

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.11.91

Constructed by Didier Picard

Date constructed 1.10.91

PLASMID NAME

497-524.Z

old name

VA 497/524L

bacterial marker Amp

parent vector

VAO

bacterial plasmid

pSP64

other relevant source constructs

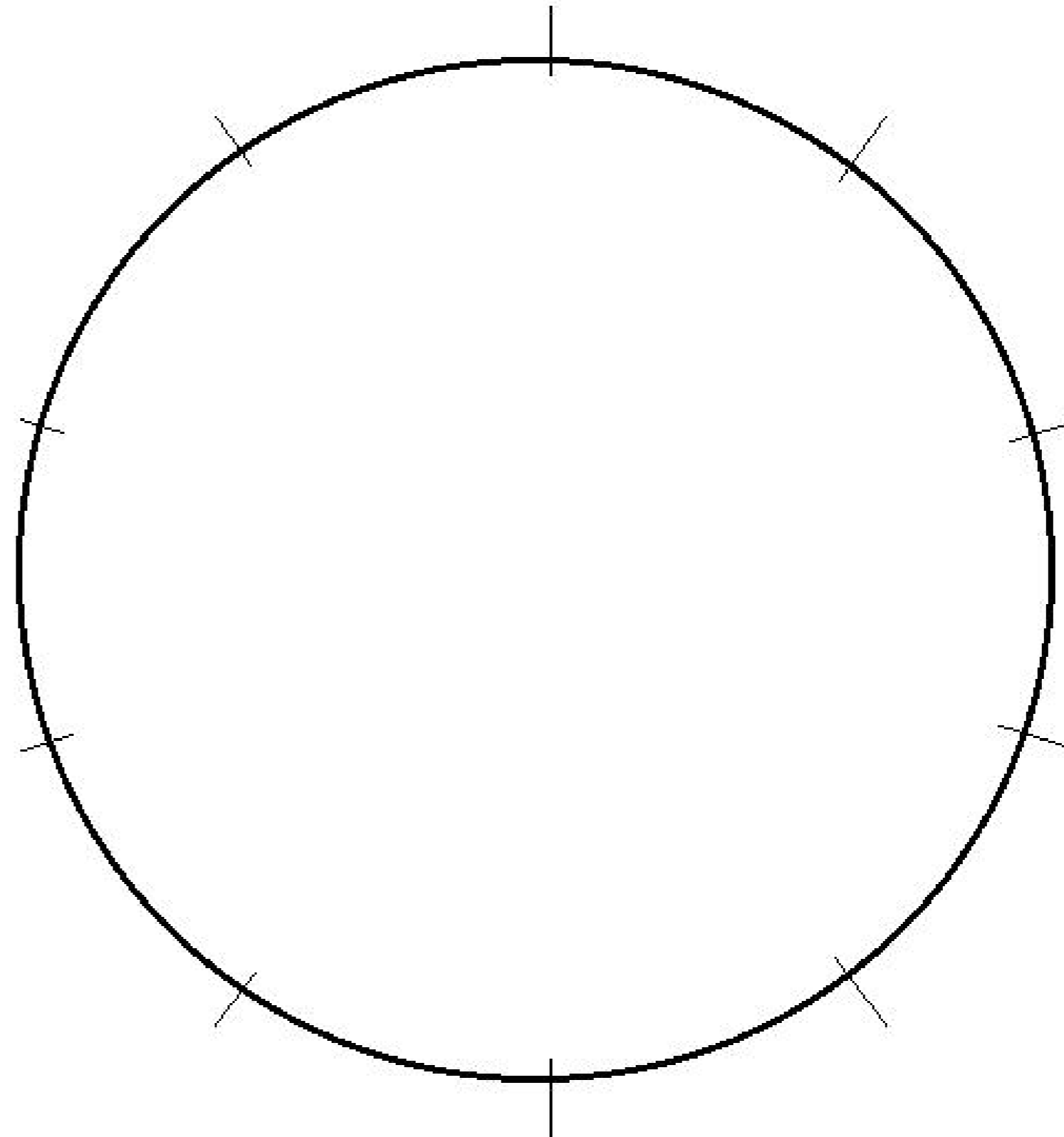
Inserts rGR AA 497 to 524 fused to AA 542 to 545, fused to N-terminus of β -galactosidase.
TK leader and AUG.
NL1 fused to β -galactosidase.

Reporter gene

Promoter, - SV40 enhancer, human α 1-globin promoter.
splice, - rabbit β -globin IVS2.
PolyA - rabbit β -globin polyA site.

Comments NL1 directs nuclear localization of β -galactosidase.

Reference Picard and Yamamoto (1987) EMBO J. 6, 3333-3340



DIDIER PICARD LAB, University of Geneva

Construct number

2

Date entered

14.11.91

Constructed by

Didier Picard

Date constructed

3.7.90

PLASMID NAME

pUC Δ SS-ERE

old name

Q1

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pUC Δ SS

bacterial plasmid

pUC18

other relevant source constructs

Inserts

single ERE (CTCGAGTCAGGTCACAGTGACCTGATCAAGTCGAC)
upstream of CYC1 TATA region.
Orientation: XhoI ----->(SalI/XhoI) CYC1

Reporter gene

lacZ

Promoter,
splice,
PolyA

Comments - deposited in Addgene with plasmid ID 108217

Reference Picard et al. (1990) Nature **348**, 166-168

DIDIER PICARD LAB, University of Geneva

Construct number

3

Date entered

4.12.91

Constructed by

Maria Jaramillo

Date constructed

30.5.91

PLASMID NAME

pHMG / GR.MR

bacterial marker Amp

parent vector

pHMG

bacterial plasmid

other relevant source constructs

pG/N414.MR (GR.MR), pPoly III-i

Inserts rGR AA 1-414 fused to rMR AA 604 -981

Reporter gene

Promoter, HMGCR promoter (Hydroxy-methylglutaryl-Coenzyme A Reductase)
splice,
PolyA

Comments

Reference for pHMG: Gautier et al. (1989) N.A.R , 8389

DIDIER PICARD LAB, University of Geneva

Construct number

4

Date entered

4.12.91

Constructed by

Maria Jaramillo

Date constructed

14.12.90

PLASMID NAME

pHMG / cFOS.GR

bacterial marker Amp

parent vector

pHMG

bacterial plasmid

other relevant source constructs

pX/cfos GR, pPoly III-i

Inserts

Mouse cFos fused to rat GR hormone binding domain .

Reporter gene

Promoter,
splice,
PolyA

HMGCR promoter (Hydroxy-methylglutaryl-Coenzyme A Reductase)

Comments

Reference for pHMG: Gautier et al. (1989) N.A.R, 8389

DIDIER PICARD LAB, University of Geneva

Construct number

5

Date entered

4.12.91

Constructed by

Maria Jaramillo

Date constructed

17.2.1991

PLASMID NAME

pHMG / N525

bacterial marker Amp

parent vector

pHMG

bacterial plasmid

other relevant source constructs

Va/N525, pPoly III-i

Inserts Rat GR AA 1 - 525

Reporter gene

Promoter, HMGCR promoter (Hydroxy-methylglutaryl-Coenzyme A Reductase)
splice,
PolyA

Comments

Reference for pHMG: Gautier et al. (1989) N.A.R ,8389
Picard et al. (1990), CELL,1,291.

DIDIER PICARD LAB, University of Geneva

Construct number

6

Date entered

15.12.92

Constructed by

Maria Jaramillo

Date constructed

1.3.91

PLASMID NAME

pHMG / cfos.ER

bacterial marker Amp

parent vector

pHMG

bacterial plasmid

other relevant source constructs

RSV/cfosER, pPoly III-i

Inserts

mouse c-fos fused to human ER hormone binding domain .

Reporter gene

Promoter,
splice,
PolyA HMGCR promoter (Hydroxy-methylglutaryl-Coenzyme A Reductase)

Comments

Reference for pHMG: Gautier et al. (1989) N.A.R ,8389

DIDIER PICARD LAB, University of Geneva

Construct number

7

Date entered

6.1.92

Constructed by

Maria Jaramillo

Date constructed

19.12.91

PLASMID NAME

pHMG / ABL.ER(G)

bacterial marker Amp

parent vector

pHMG

bacterial plasmid

other relevant source constructs

PJ3ΩcIV, pPLcIV(630).ER, pSP72/cFos.ER(G),
pPoly III-i

Inserts

mouse c-abl type IV (AA 1-630) fused to hormone binding domain of hER (Gly400).

Reporter gene

Promoter, HMGCR promoter (Hydroxy-methylglutaryl-Coenzyme A Reductase)
splice,
PolyA

Comments

ER(G) = wild type estrogen receptor containing Gly 400 (human).
cABL IV AA 1 to 630.

Reference

for pHMG: Gautier et al. (1989) N.A.R. ,8389
HEGO in pSG5 from Pierre Chambon (10/91).

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.1.92

Constructed by Maria Jaramillo

Date constructed 15.1.92

PLASMID NAME

pH)MG / ΔXB.ER(G)

bacterial marker Amp

parent vector

pHMG

bacterial plasmid

other relevant source constructs

PJ3ΩcIVΔXB, pPLcIV(630).ER, pSP72/cFos.
ER(G), pPoly III-i

Inserts mouse c-abl type IV (AA 1-630) with deletion aa72 to 126, fused to hormone binding domain of hER (Gly400).

Reporter gene

Promoter, HMGCR promoter (Hydroxy-methylglutaryl-Coenzyme A Reductase)
splice,
PolyA

Comments ER(G) = wild type estrogen receptor containing Gly 400 (human).
c-ABLIV(AA 1 - 630) with a deletion (AA72-126). ΔXB is activated c-ABLIV.

Reference for pHMG: Gautier et al. (1989) N.A.R,8389.
HEGO in pSG5 from Pierre Chambon (10/91).

DIDIER PICARD LAB, University of Geneva

Construct number

9

Date entered

6.1.92

Constructed by

Maria Jaramillo

Date constructed

6.11.1991

PLASMID NAME

pSP72 / cFos.ER(G)

bacterial marker Amp

parent vector

pSP72

bacterial plasmid

pSP72

other relevant source constructs

RSV/cFos.ER, HEGO in pSG5

Inserts mouse c-fos fused to human ER hormone binding domain (Gly400).

Reporter gene

Promoter,
splice,
PolyA

Comments ER(G) = Wild -type estrogen receptor (human) containing Gly 400.

Reference HEGO in pSG5 from Pierre Chambon (10/91)
pSG5 : S. Green et al. (1988)N.A.R. 16, 369.
pSP72: from PROMEGA.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 10.2.92

Constructed by Didier Picard

Date constructed 10.12.90

PLASMID NAME

VA/GCN4.ER

bacterial marker Amp

parent vector

VAO

bacterial plasmid

pSP64

other relevant source constructs

VA/GCN4 5' and pTCA/GCN4.ER

Inserts S. cerevisiae GCN4 fused to hER hormone binding domain.

Reporter gene

Promoter, SV40 enhancer, human α 1-globin promoter

splice, rabbit β -globin IVS2

PolyA rabbit β -globin polyA site

Comments

Reference Fankhauser, C. P., Briand, P.-A., and Picard, D. (1994). The hormone binding domain of the mineralocorticoid receptor can regulate heterologous activities *in cis*. *Biochem. Biophys. Res. Commun.* 200, 195-201.

Construct number

11

Date entered

10.2.92

Constructed by

Paula Graninger, Buslinger lab

Date constructed

12/88

PLASMID NAME

pVP16

bacterial marker Amp

parent vector

bacterial plasmid

pSP64/65

other relevant source constructs

Inserts

230 bp activation domain of the herpes simplex VP16 protein.
Contains no AUG and no stop, but symmetrical polylinker on either side.
Relative to wt, it contains several additional synthetic sites.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

12

Date entered

10.2.92

Constructed by

Triezenberg lab

Date constructed

PLASMID NAME

pSJT-1193 CRF1

bacterial marker Amp

parent vector

bacterial plasmid

pEMBL

other relevant source constructs

Inserts

C-terminus (transactivation domain) of VP16 plus 119 bp, i.e. includes stop codon.

At N-terminus, Bgl2 site in all 3 frames:

CRF1 AGA TCT GCG GCC
CRF2 AG ATC TGG GCC
CRF3 A GAT CTG GCC

Reporter gene

Promoter,
splice,
PolyA no promoter, but 3' end (polyA site) of the TK gene.

Comments

Reference Triezenberg et al. (1988) Genes Dev. 2, 718-729.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 10.2.92

Constructed by Marc Worek

Date constructed 12/90

PLASMID NAME

pC7/cFos.EcR

bacterial marker Amp

parent vector

pC7

bacterial plasmid

BLUESCRIPT M13+

other relevant source constructs

RSVcFOS.ER and pMK1

Inserts mouse cFos fused to hormone binding domain of the ecdysone receptor (Drosophila).

Reporter gene

Promoter, CMV enhancer / promoter, T7 promoter.
splice, SV40 splice and polyA.
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 10.2.92

Constructed by Marc Worek

Date constructed 1/91

PLASMID NAME

pMV/cFOS.EcR

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon Polyoma ori

parent vector

pMV-7 and pMV/cFOS

bacterial plasmid

other relevant source constructs

pMV/cFOS, pXcFos and pMK1

Inserts mouse cFos fused to hormone binding domain of the ecdysone receptor (Drosophila).

Reporter gene

Promoter,
splice,
PolyA MLV 5' and 3' LTR. TK promoter driving neo.

Comments

Reference for pMV7: Kirschmeier et al. (1988) DNA 7, 219-225.

Construct number

15

Date entered

10.2.92

Constructed by

Paula Graninger, Busslinger lab

Date constructed

91

PLASMID NAME

pMV-cJUN

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon Polyoma ori

parent vector

pMV-8

bacterial plasmid

other relevant source constructs

Inserts mouse c-JUN cDNA

Reporter gene

Promoter, MLV 5' and 3' LTR. TK promoter driving neo.
splice,
PolyA

Comments

Reference for pMV7: Kirschmeier et al. (1988) DNA 7, 219-225.

Construct number

16

Date entered

10.2.92

Constructed by

Pam Mitchell

Date constructed

1/88

PLASMID NAME

MCAT2, MCAT3

bacterial marker Amp

parent vector

bacterial plasmid

pUC118

other relevant source constructs

Inserts

-69 hMTIIA promoter upstream of CAT, w/o AP1 sites.

MCAT2 and MCAT3: only basal promoter with GC box and TATA.

Reporter gene

CAT

Promoter,
splice,
PolyA

Comments

Reference

Construct number

17

Date entered

10.2.92

Constructed by

Pam Mitchell

Date constructed

1/88

PLASMID NAME

AP1-MCAT

bacterial marker Amp

parent vector

MCAT2

bacterial plasmid

pUC118

other relevant source constructs

Inserts

4x17mer AP1-oligos inserted into the BglII site of MCAT2 (5' gatcGTGACTCAGCGGgatc 3'), AP1 site from hMTIIA.

Reporter gene

CAT

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 10.2.92

Constructed by Mark Krasnow

Date constructed

PLASMID NAME

pPAC

bacterial marker Amp

parent vector

bacterial plasmid

pUC ?

other relevant source constructs

Inserts Drosophila (D.m.) actin 5C promoter and polyA site.
Unique BamHI site for insertion, Sall site o.k., but not unique.

Reporter gene

Promoter,
splice,
PolyA

Comments expression vector for Drosophila tissue culture cells.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

19

Date entered

10.2.92

Constructed by

Pierre-André Briand

Date constructed

7/91

PLASMID NAME

pPLcIV(980).ER

bacterial marker Amp

parent vector

pPLcIV

bacterial plasmid

pUC13

other relevant source constructs

pCMV1/cFOS.ER

Inserts

mouse c-abl IV AA 1-980 fused to hER (Val400) hormone binding domain.

no selectable marker

Reporter gene

Promoter,
splice,
PolyA

MLV 5' and 3' LTR.

Comments

Reference

for vector: EMBO 8 (1989) 449-456.
for pPL: EMBO 4 (1985) 1769-1774.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 10.2.92

Constructed by Pierre-André Briand

Date constructed spring 91

PLASMID NAME

pC7/JUN

bacterial marker Amp

parent vector

pC7

bacterial plasmid

BLUESCRIPT M13+

other relevant source constructs

pMV-cJUN, pC7/G407C

Inserts mouse c-JUN cDNA.

Reporter gene

Promoter, CMV enhancer / promoter, T7 promoter.
splice, SV40 splice and polyA.
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 10.2.92

Constructed by Didier Picard

Date constructed 11/20/89

PLASMID NAME

pC7

bacterial marker Amp

parent vector

bacterial plasmid

BLUESCRIPT M13+

other relevant source constructs

pX (Busslinger lab)

Inserts

Reporter gene

Promoter, - CMV1 enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - SV40 splice and polyA.

Comments very strong expression vector for mammalian tissue culture cells.

Polylinker with convenient insertion sites (XbaI - SpeI - BamHI - SmaI - PstI - NotI - XbaI); BamHI site not unique.

Reference Bunone et al. (1996) EMBO J. 15, 2174-2183.

DIDIER PICARD LAB, University of Geneva

Construct number

22

Date entered

10.2.92

Constructed by

Didier Picard

Date constructed

3.5.91

PLASMID NAME

pG/cIV.ER

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG-1

bacterial plasmid

pUC18

other relevant source constructs

pPLcIV(630).ER

Inserts mouse c-abl IV AA 1-630 fused to hormone binding domain of hER (Val400).

Reporter gene

Promoter,
splice,
PolyA GPD promoter.

Comments

Reference for pG-1: Schena et al. (1991) Methods Enzym. 194, 389-398.

DIDIER PICARD LAB, University of Geneva

Construct number

23

Date entered

10.2.92

Constructed by

Didier Picard

Date constructed

13.5.91

PLASMID NAME

pPL Δ XB.EcR

bacterial marker Amp

parent vector

pPLcIV Δ XB

bacterial plasmid

pUC13

other relevant source constructs

BS/ Δ XB.EcR

Inserts

mouse c-abl IV (Δ XB derivative to AA 630), fused to hormone binding domain (AA 361-878) of the ecdysone receptor (EcR) from Drosophila.

no selectable marker

Reporter gene

Promoter,
splice,
PolyA MLV 5' and 3' LTR.

Comments

- Δ XB is activated c-abl IV.
- steroid binding domain inserted C-terminal of tyrosine kinase domain.

Reference

for vector: EMBO 8 (1989) 449-456.
for pPL: EMBO 4 (1985) 1769-1774.

DIDIER PICARD LAB, University of Geneva

Construct number

24

Date entered

10.2.92

Constructed by

Didier Picard

Date constructed

13.5.91

PLASMID NAME

pPLcIV.EcR

bacterial marker Amp

parent vector

pPLcIV

bacterial plasmid

pUC13

other relevant source constructs

BS/cIV.EcR

Inserts

mouse c-abl IV AA 1-630 fused to hormone binding domain (AA 361-878) of the ecdysone receptor (EcR) from Drosophila.

no selectable marker

Reporter gene

Promoter,
splice,
PolyA

MLV 5' and 3' LTR.

Comments

- steroid binding domain inserted C-terminal of tyrosine kinase domain.

Reference

for vector: EMBO 8 (1989) 449-456.
for pPL: EMBO 4 (1985) 1769-1774.

DIDIER PICARD LAB, University of Geneva

Construct number

25

Date entered

10.2.92

Constructed by

Pierre-André Briand

Date constructed

spring 91

PLASMID NAME

pluci

bacterial marker Amp

parent vector

pUC18

bacterial plasmid

pUC18

other relevant source constructs

RSVLuciferase (pRSV/L)

Inserts

luciferase cDNA from Photinus pyralis

Reporter gene

Promoter,
splice,
PolyA none

Comments

polylinker upstream of luciferase coding region.

Reference

De Wet et al. (1987) MCB 7, 725-737.

DIDIER PICARD LAB, University of Geneva

Construct number

26

Date entered

12.2.92

Constructed by

Pierre-André Briand

Date constructed

spring 91

PLASMID NAME

p2UGL

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2UG

bacterial plasmid

pUC18

other relevant source constructs

pluci

Inserts Luciferase cDNA

Reporter gene luciferase

Promoter,
splice,
PolyA GREs (3x26mer) upstream of CYC1 TATA region.

Comments

Reference for p2UG: Picard et al. (1990) Gene 86, 257-261.

DIDIER PICARD LAB, University of Geneva

Construct number

27

Date entered

12.2.92

Constructed by

Pierre-André Briand

Date constructed

spring 91

PLASMID NAME

G46TL

bacterial marker Amp

parent vector

pUC

bacterial plasmid

pUC

other relevant source constructs

pUC-G46T109CO, pluci and pSV232A/L-AΔ5'

Inserts

synthetic 46mer GRE upstream of TK promoter driving luciferase.

Reporter gene

luciferase

Promoter,
splice,
PolyA

- GRE: synthetic 46mer, dimer of footprint 1.5 of MMTV LTR.
- HSV thymidine kinase (TK) promoter.
- SV40 small t intron and polyA site.

Comments

Reference

for luciferase and pSV232A/L-AΔ5':
De Wet et al. (1987) MCB 7, 725-737.

DIDIER PICARD LAB, University of Geneva

Construct number

28

Date entered

12.2.92

Constructed by

Pierre-André Briand

Date constructed

spring 91

PLASMID NAME

GMLUC

bacterial marker Amp

parent vector

pSP64

bacterial plasmid

pSP64

other relevant source constructs

GMLO, pluci and pSV232A/L-AΔ5'

Inserts MMTV LTR driving luciferase

Reporter gene luciferase

Promoter, - MMTV LTR.
splice, - SV40 small t intron and polyA site.
PolyA

Comments

Reference for luciferase and pSV232A/L-AΔ5':
De Wet et al. (1987) MCB 7, 725-737.

DIDIER PICARD LAB, University of Geneva

Construct number

29

Date entered

12.2.92

Constructed by

Pierre-André Briand

Date constructed

spring 91

PLASMID NAME

TL

bacterial marker Amp

parent vector

pUC

bacterial plasmid

pUC

other relevant source constructs

pUC-G46T109CO, pluci and pSV232A/L-ΔΔ5'

Inserts

- TK promoter driving luciferase.
- polylinker upstream of TK promoter with HindIII and SalI as unique sites.

Reporter gene

luciferase

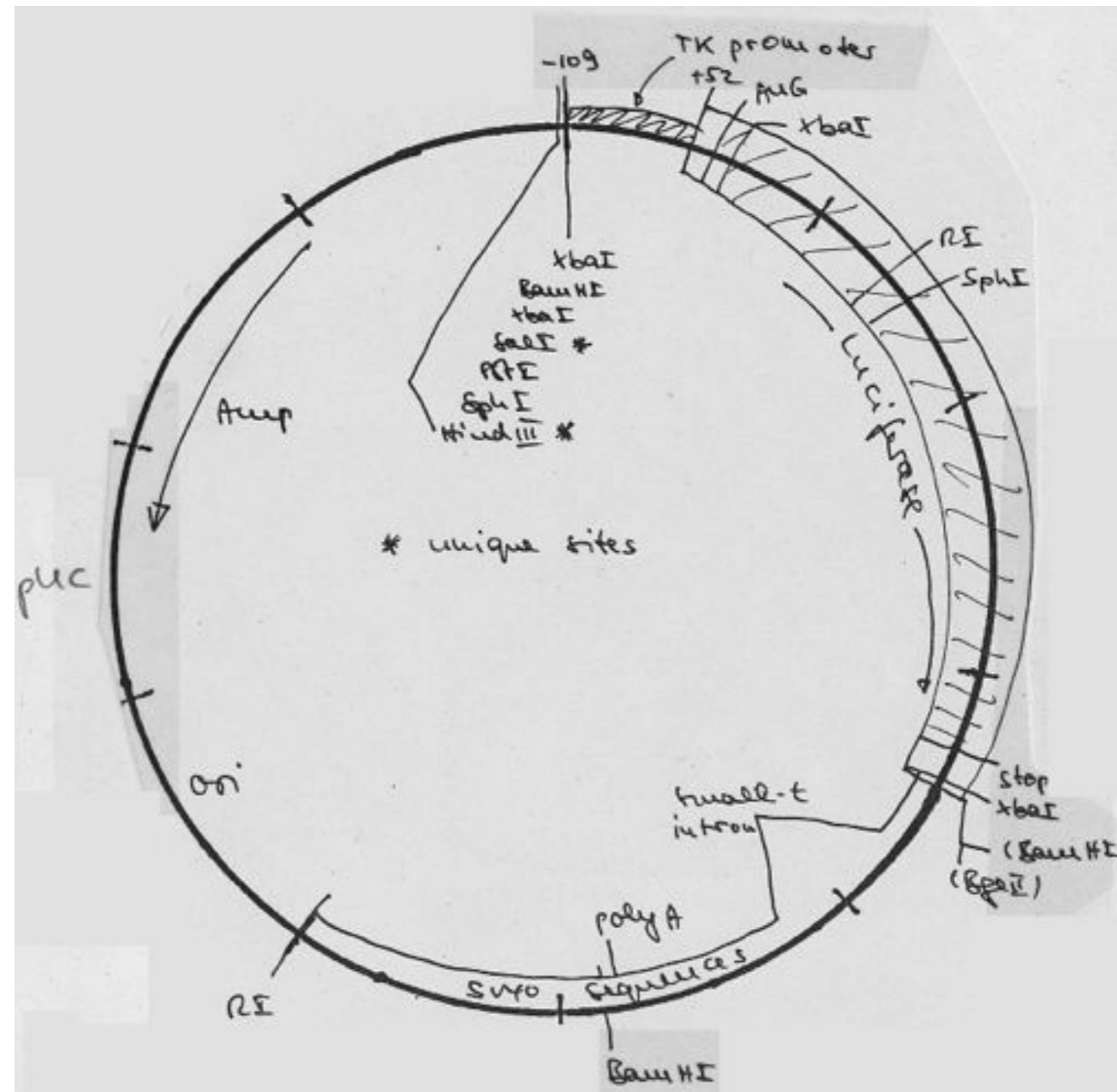
Promoter,
splice,
PolyA

- HSV thymidine kinase (TK) promoter (-109 to +52).
- SV40 small t intron and polyA site.

Comments

Reference

for luciferase and pSV232A/L-ΔΔ5':
De Wet et al. (1987) MCB 7, 725-737.



DIDIER PICARD LAB, University of Geneva

Construct number

30

Date entered

12.2.92

Constructed by

Pierre-André Briand

Date constructed

10.7.91

PLASMID NAME

VA/C60.VP16

bacterial marker Amp

parent vector

VAO

bacterial plasmid

pSP64

other relevant source constructs

pVP16 and pSJT1193

Inserts

GCN4 DNA binding domain fused to VP16 activation domain.

Reporter gene

Promoter, - SV40 enhancer, human α 1-globin promote.r
splice, - rabbit β -globin IVS2.
PolyA - rabbit β -globin polyA site.

Comments

GCN4 fragment made by PCR with
OS6820 5'CCGTCGACCGTTCGCCAAC3' and
oligo 5'CGGGATCCATGGATCCTGCTG3'

Reference

for VAO: Picard et al. (1990) Cell Reg. 1, 291-299.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 12.2.92

Constructed by Didier Picard

Date constructed 25.7.91

PLASMID NAME

pSP6/MR(Stu-RI)

bacterial marker Amp

parent vector

pSP64

bacterial plasmid

pSP64

other relevant source constructs

Inserts rMR StuI-EcoRI fragment (hormone binding domain). Puts a polylinker upstream of rMR hormone binding domain. EcoRI cuts off the last 43 AA - > hormone binding domain not complete.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

32

Date entered

12.2.92

Constructed by

Didier Picard

Date constructed

25.7.91

PLASMID NAME

VA/C60.ER.VP16

bacterial marker Amp

parent vector

VAO

bacterial plasmid

pSP64

other relevant source constructs

VA/C60.VP16, VA/GCN4.ER and pADH/GAL4.
ER.VP16

Inserts

GCN4 DNA binding domain fused to hER hormone binding domain
(Val400) fused to VP16 transactivation domain.

Reporter gene

Promoter, - SV40 enhancer, human α 1-globin promote.r
splice, - rabbit β -globin IVS2.
PolyA - rabbit β -globin polyA site.

Comments

Reference for VAO: Picard et al. (1990) Cell Reg. 1, 291-299.

DIDIER PICARD LAB, University of Geneva

Construct number

33

Date entered

13.2.92

Constructed by

Pierre-André Briand

Date constructed

June 91

PLASMID NAME

VA/GCN4(C60)

bacterial marker Amp

parent vector

VAO

bacterial plasmid

pSP64

other relevant source constructs

Inserts

GCN4 DNA binding domain (C-terminal 56 AA)

Reporter gene

Promoter, - SV40 enhancer, human α 1-globin promote.r
splice, - rabbit β -globin IVS2.
PolyA - rabbit β -globin polyA site.

Comments

GCN4 fragment made with PCR using
OS6819 5'CCAGATCTTAGCGTTCGCCA3' and
oligo 5'CGGGATCCATGGATCCTGCTG3'

Reference

for VAO: Picard et al. (1990) Cell Reg. 1, 291-299.

DIDIER PICARD LAB, University of Geneva

Construct number

34

Date entered

13.2.92

Constructed by

Pierre-André Briand

Date constructed

8/91

PLASMID NAME

pSVL/MR

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector
pSVL-codon

bacterial plasmid
?

other relevant source constructs
VA/rMR and pG/N414.MR

Inserts rMR cDNA, coding region.

Reporter gene

Promoter, - SV40 late promoter
splice, - bovine growth hormone polyA site.
PolyA

Comments expression vector replicates in COS cells.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.2.92

Constructed by Pierre-André Briand

Date constructed spring 91

PLASMID NAME

(TRE)5TL

bacterial marker Amp

parent vector

pUC

bacterial plasmid

pUC

other relevant source constructs

G46TL and p(TRE)5TKCAT

Inserts TPA-inducible element (TRE), i.e. AP1 binding site, upstream of TK promoter (-109 to +52) driving luciferase

Reporter gene

Promoter, splice, PolyA - TRE: AAGCTTG(ATGAGTCAG)5CCGGATCC, i.e. HindIII-(AP1)5-BamHI.

- HSV thymidine kinase (TK) promoter.
- SV40 small t splice and polyA site

Comments - basic structure is that of plasmid TL.
- TRE sequence is from human collagenase promoter (around -70).

Reference for p(TRE)5TKCAT: Angel et al. (1987) Cell 49, 729-739.

this plasmid: Fankhauser, C. P., Briand, P.-A., and Picard, D. (1994) Biochem. Biophys. Res. Commun. 200, 195-201.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.2.92

Constructed by Didier Picard

Date constructed 25.7.91

PLASMID NAME

VA/GCN4.MR

bacterial marker Amp

parent vector

VAO and VA/GCN4.ER

bacterial plasmid

pSP64

other relevant source constructs

VA/N414.MR

Inserts GCN4 (from *S. cerevisiae*) fused to rMR hormone binding domain.

Reporter gene

Promoter, - SV40 enhancer, human α 1-globin promote.r
splice, - rabbit β -globin IVS2.
PolyA - rabbit β -globin polyA site.

Comments

Reference for VAO: Picard et al. (1990) Cell Reg. 1, 291-299.
This plasmid: Fankhauser, C. P., Briand, P.-A., and Picard, D. (1994). The hormone binding domain of the mineralocorticoid receptor can regulate heterologous activities *in cis*. Biochem. Biophys. Res. Commun. 200, 195-201.

DIDIER PICARD LAB, University of Geneva

Construct number

37

Date entered

13.2.92

Constructed by

Didier Picard

Date constructed

31.7.91

PLASMID NAME

Z.MR

bacterial marker Amp

parent vector

VALO

bacterial plasmid

pSP64

other relevant source constructs

Z.540C, Z.HE0, pSP6/MR(Stu-RI) and
VA/N414.MR

Inserts

β -galactosidase fused to rMR hormone binding domain (HBD).

Reporter gene

Promoter, - SV40 enhancer, human α 1-globin promote.r
splice, - rabbit β -globin IVS2.
PolyA - rabbit β -globin polyA site.

Comments

Reference for VALO: Picard and Yamamoto (1987) EMBO J. 6, 3333-3340.

DIDIER PICARD LAB, University of Geneva

Construct number

38

Date entered

13.2.92

Constructed by

Pierre-André Briand

Date constructed

2.9.91

PLASMID NAME

VA/VP16.C59

bacterial marker Amp

parent vector

VAO

bacterial plasmid

pSP64

other relevant source constructs

pSP73/VP16

Inserts

VP16 transactivation domain fused to GCN4 DNA binding domain (AA 223-281).

Reporter gene

Promoter, - SV40 enhancer, human α 1-globin promote.r
splice, - rabbit β -globin IVS2.
PolyA - rabbit β -globin polyA site.

Comments

GCN4 fragment made by PCR with OS6819 5'CCAGATCTTAGCGTTCGCCA3' and oligo (15.8.91) 5'CCGTCGACCGAATCCAGTG3'

Reference

for VAO: Picard et al. (1990) Cell Reg. 1, 291-299.

Construct number 39

Date entered 13.2.92

Constructed by Katja Seipel (Schaffner lab)

Date constructed 9.9.91

PLASMID NAME

pSCTEV gal93-LF0

bacterial marker Amp	parent vector pSCTEV
eucaryotic replicon SV40 ori	bacterial plasmid pSP64
	other relevant source constructs

Inserts DNA binding domain + dimerization domain of GAL4 (from *S. cerevisiae*), AA 1-93, followed by polylinker with SmaI site in all three reading frames before stop codon.

pSCTEV gal93-LFX-s (X=0, 1, 2)

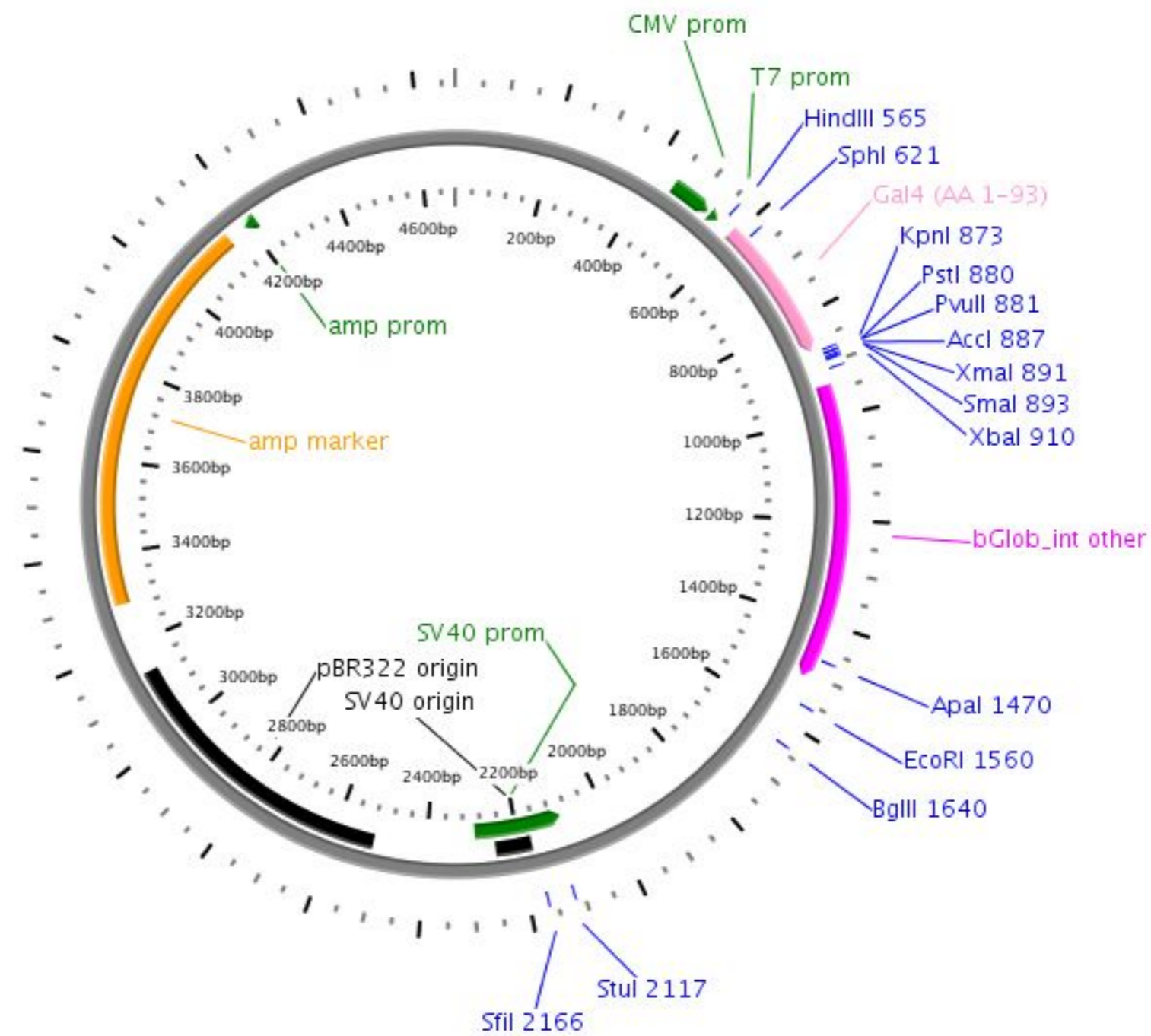
Reporter gene

Promoter, splice, PolyA

- CMV enhancer / promoter
- T7 RNA polymerase promoter
- rabbit β -globin IVS2 and polyA

Comments - sequence available

Reference for pSCTEVgal93, see: Seipel et al. (1992) EMBO J. 11. 4961



Construct number

40

Date entered

13.2.92

Constructed by

S. Nordeen (Univ. of Colorado)

Date constructed

PLASMID NAME

pXP-1

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts polylinker upstream of luciferase coding region

Reporter gene luciferase

Promoter, - no promoter.
splice, - SV40 polyA site
PolyA - 2 x polyA site upstream of polylinker to stop read-through transcripts.

Comments

Reference

Construct number

41

Date entered

13.2.92

Constructed by

Sue Smith (Stunnenberg lab)

Date constructed

21.11.90

PLASMID NAME

pRTn1

bacterial marker Amp

parent vector

pXP-1

bacterial plasmid

other relevant source constructs

Inserts

pRTn1: hMTII-A promoter with GC and TATA box driving luciferase.
pRTn10: pRTn1 with 1xTRE upstream of promoter.
pRTn13: pRTn1 with 3xTRE upstream of promoter.

Reporter gene

luciferase

Promoter,
splice,
PolyA

- hMTII-A promoter with GC and TATA box (from MCAT)
- SV40 polyA site
- 2 x polyA site upstream of polylinker to stop read-through transcripts.

Comments

TRE = AP1 binding site.

Reference

Construct number

42

Date entered

13.2.92

Constructed by

Chambon lab

Date constructed

PLASMID NAME

pSG5

bacterial marker Amp

parent vector

pKCR2

bacterial plasmid

Bluescribe M13+

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts

SV40 early promoter - rabbit β -globin IVS2 - T7 RNA polymerase promoter - polylinker - SV40 polyA site.

Polylinker has EcoRI - BamHI - BglII for insertion of cDNAs.

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

- reconstructed by Monique Fornallaz.
- expression vector replicates in COS cells.
- sequence available

Reference

Green et al. (1988) NAR 16, 369.

Construct number

43

Date entered

13.2.92

Constructed by

Eli in Chambon lab

Date constructed

PLASMID NAME

HEGO

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

HEG0 in pSG1

Inserts full-length human estrogen receptor (hER) cDNA with Gly400 (i.e. wild-type sequence) inserted at EcoRI site.

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

Reference for pSG5: Green et al. (1988) NAR 16, 369.
This plasmid: Tora et al. (1989). The cloned human estrogen receptor contains a mutation which alters its hormone binding properties. EMBO J. 8, 1981-1986.

DIDIER PICARD LAB, University of Geneva

Construct number

44

Date entered

13.2.92

Constructed by

Pierre-André Briand

Date constructed

5.11.91

PLASMID NAME

pPL/cIV(630).gag

bacterial marker Amp

parent vector

pPLcIV(630).ER

bacterial plasmid

pUC13

other relevant source constructs

Inserts mouse c-abl IV AA 1-630 fused to AMuLV gag (gag moiety is 240 AA).

no selectable marker

Reporter gene

Promoter,
splice,
PolyA MLV 5' and 3' LTR.

Comments - gag is inserted C-terminal of tyrosine kinase domain.
- gag fragment made by PCR with oligos
5'CCGATCCGGGCCAGACTGT3' and
5'CCGGATCCTAGACGGGGGTGAT3'

Reference for vector: EMBO 8 (1989) 449-456.
for pPL: EMBO 4 (1985) 1769-1774.

DIDIER PICARD LAB, University of Geneva

Construct number

45

Date entered

13.2.92

Constructed by

Pierre-André Briand

Date constructed

5.11.91

PLASMID NAME

pPL/ Δ XB(630).gag

bacterial marker Amp

parent vector

pPL Δ XB(630).ER

bacterial plasmid

pUC13

other relevant source constructs

Inserts

- mouse c-abl IV (Δ XB derivative to AA 630) fused to AMuLV gag (gag moiety is 240 AA).
- no selectable marker

Reporter gene

Promoter,
splice,
PolyA MLV 5' and 3' LTR.

Comments

- gag is inserted C-terminal of tyrosine kinase domain.
- gag fragment made by PCR with oligos 5'CCGATCCGGGCCAGACTGT3' and 5'CCGATCCTAGACGGGGGTGAT3'

Reference

for vector: EMBO 8 (1989) 449-456.
for pPL: EMBO 4 (1985) 1769-1774.

DIDIER PICARD LAB, University of Geneva

Construct number

46

Date entered

13.2.92

Constructed by

Pierre-André Briand

Date constructed

5.11.91

PLASMID NAME

pPL/cIV(980).gag

bacterial marker Amp

parent vector

pPLcIV(980).ER

bacterial plasmid

pUC13

other relevant source constructs

Inserts mouse c-abl IV AA 1-980 fused to AMuLV gag (gag moiety is 240 AA).

no selectable marker

Reporter gene

Promoter,
splice,
PolyA MLV 5' and 3' LTR.

Comments - gag fragment made by PCR with oligos
5'CCGATCCGGGCCAGACTGT3' and
5'CCGGATCCTAGACGGGGGTGAT3'

Reference for vector: EMBO 8 (1989) 449-456.
for pPL: EMBO 4 (1985) 1769-1774.

DIDIER PICARD LAB, University of Geneva

Construct number

47

Date entered

13.2.92

Constructed by

Pierre-André Briand

Date constructed

5.11.91

PLASMID NAME

pLG/LUC

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pLGSD5-ATG

bacterial plasmid

pBR

other relevant source constructs

Inserts luciferase coding region.

Reporter gene luciferase

Promoter,
splice,
PolyA - UASgal upstream of CYC1 TATA region.

Comments pLGSD5-ATG has a deletion of the AUG preceding the lacZ sequence.

Reference for pLGSD5-ATG: Schneider and Guarente (1991) Methods Enzym. 194, 389-398.

Bhattacharya K,.....Picard D. The Hsp70-Hsp90 co-chaperone Hop/Stip1 shifts the proteostatic balance from folding towards degradation.

DIDIER PICARD LAB, University of Geneva

Construct number

48

Date entered

13.2.92

Constructed by

Pierre-André Briand

Date constructed

10/91

PLASMID NAME

pC7L

bacterial marker Amp

parent vector

pC7

bacterial plasmid

BLUESCRIPT M13+

other relevant source constructs

GMLUC

Inserts luciferase coding region

Reporter gene

Promoter, - CMV1 enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - SV40 splice and polyA.

Comments very strong expression vector for mammalian tissue culture cells.

Reference **Bhattacharya K,.....Picard D.** The Hsp70-Hsp90 co-chaperone Hop/Stip1 shifts the proteostatic balance from folding towards degradation. Nat Commun (2020) Nov 25;11(1):5975.

Construct number

49

Date entered

13.2.92

Constructed by

David Largaespada (Madison)

Date constructed

PLASMID NAME

pABL-MYC

bacterial marker Amp

parent vector

bacterial plasmid

pUC12

other relevant source constructs

Inserts

retroviral vector expressing both v-ABL and c-MYC. Needs helper functions for packaging.

Reporter gene

Promoter,
splice,
PolyA

AMuLV 5' and 3' LTR

Comments

Reference

Largaespada et al. (1990) Curr. Top. Microbiol. Immunol. 166, 91-98.
Weissinger et al. (1991) PNAS 88, 8735-8739.

DIDIER PICARD LAB, University of Geneva

Construct number

50

Date entered

13.2.92

Constructed by

Pierre-André Briand

Date constructed

12/91

PLASMID NAME

pMV/GCN4

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon Polyoma ori

parent vector

pMV7

bacterial plasmid

other relevant source constructs

VA/GCN4 and pMV/cFOS.ER

Inserts GCN4 from *S. cerevisiae*

Reporter gene

Promoter, MLV 5' and 3' LTR. TK promoter driving neo.
splice,
PolyA

Comments

Reference for pMV7: Kirschmeier et al. (1988) DNA 7, 219-225.

DIDIER PICARD LAB, University of Geneva

Construct number

51

Date entered

13.2.92

Constructed by

Monique Fornallaz

Date constructed

12/91

PLASMID NAME

pSG5/GR

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

SVLGR

Inserts rGR cDNA with full-length coding region. BamHI fragment (2.7 kb) inserted into BamHI site.

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

- expression vector replicates in COS cells.

Reference for pSG5: Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.2.92

Constructed by Monique Fornallaz

Date constructed 12/91

PLASMID NAME

pET/hHsp90b

bacterial marker Amp

parent vector
pE9C (derived from pet 3b)

bacterial plasmid
pBR

other relevant source constructs
phhsp90

Inserts human HSP90 β .

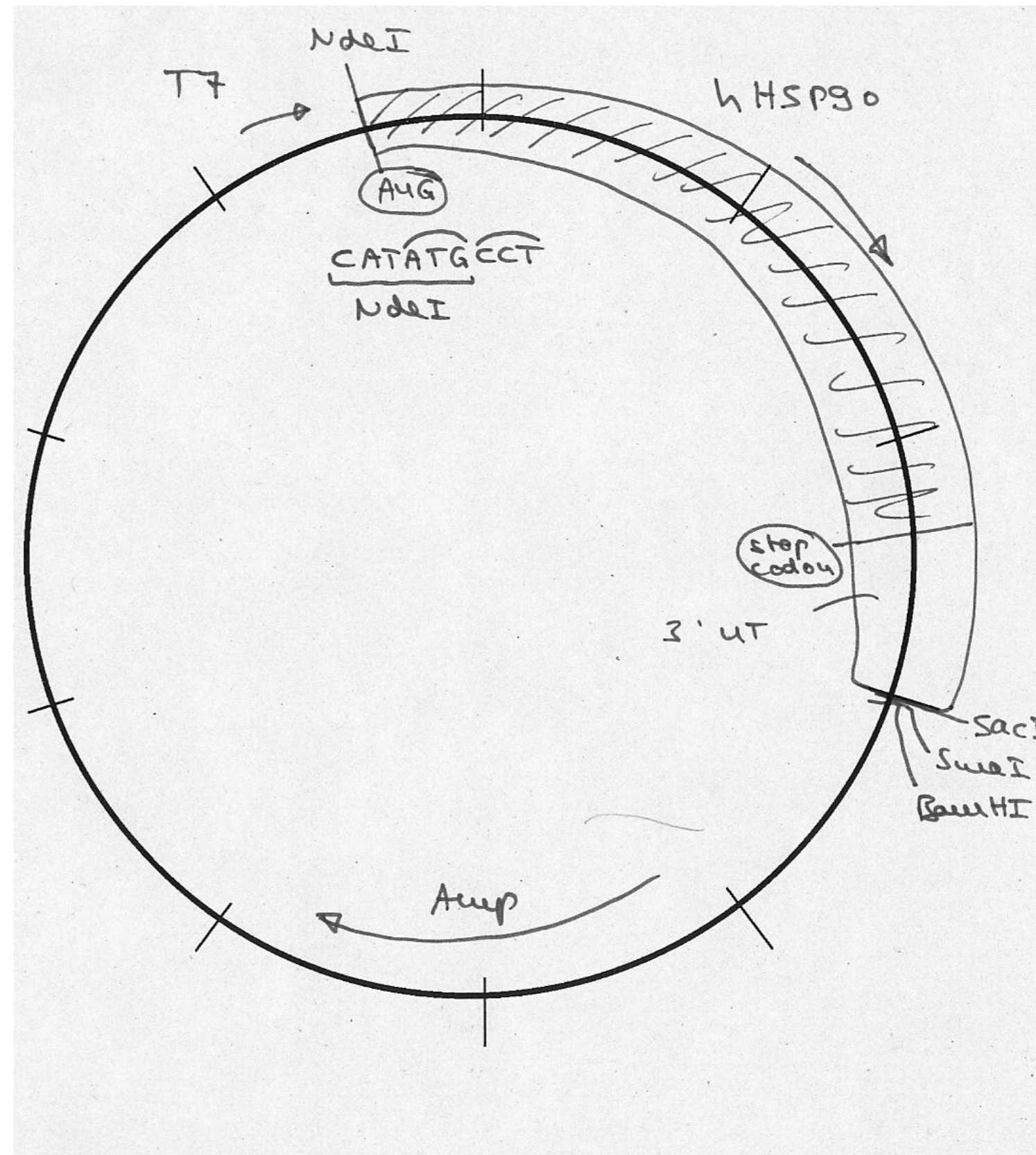
Insertion at the NdeI site is such that there is no additional N-terminal amino acid.

Reporter gene

Promoter, splice, PolyA
T7 gene 10 promoter.

Comments HSP90 5' end was made by PCR with oligos
5'GCCATATGCCTGAGGAAGTG3' and
5'GATGGAGGATCAC3'

Reference



Construct number

Date entered 3.3.92

Constructed by Peter Jackson

Date constructed ≤ 92

PLASMID NAME

pPLcIV-K290M

bacterial marker Amp

parent vector

pPLcIV

bacterial plasmid

pUC13

other relevant source constructs

Inserts

full-length mouse c-abl IV.
Kinase-defective point mutant (K290M). Conserved motif VAVK in active site is mutated to VAVM (completely inactive).

no selectable marker

Reporter gene

Promoter,
splice,
PolyA

MLV 5' and 3' LTR.

Comments - careful: restriction map is identical to pPLcIV (wild-type) !!!
- note that this is construct #53 in our database

Reference for vector: EMBO 8 (1989) 449-456.
for pPL: EMBO 4 (1985) 1769-1774.

Construct number

54

Date entered

3.3.92

Constructed by

O. Georgiev, S. Wieland

Date constructed

≤ 88

PLASMID NAME

P4-OVEC

alternative name

P4-B

bacterial marker

Amp

parent vector

OVEC

bacterial plasmid

pUC18

other relevant source constructs

Inserts

tetrameric palindromic GRE

Reporter gene

β-globin

Promoter,
splice,
PolyA

rabbit β-globin ATA box.
IVS 2 and polyA from rabbit β-globin.

Comments

only activated by truncated GR, not by wild-type

Reference

Severne et al. (1988) EMBO J. 7, 2503-

Construct number

55

Date entered

3.3.92

Constructed by

Rusconi lab

Date constructed

≤ 90

PLASMID NAME

pGGN-Tag

alternative name

GGNTØ

bacterial marker

Amp

parent vector

bacterial plasmid

pSP64

other relevant source constructs

Inserts

MMTV promoter fragment (-108 to -20), linked to a sequence corresponding to -20/-10 from the rabbit-β-globin promoter, linked to SV40 T-antigen.

MMTV promoter contains two functional GRE and one NF-1 sites.

Reporter gene

SV40 T-antigen

Promoter,
splice,
PolyA

SV40 small t splice and early polyA site.

Comments

Reference

Rusconi et al. (1990) Gene 89, 211-221.

Construct number

56

Date entered

16.3.92

Constructed by

Baulieu's lab

Date constructed

PLASMID NAME

p 59/B

bacterial marker amp

parent vector

bacterial plasmid

p Gem72 f(+)

other relevant source constructs

Inserts rabbit p 59

Reporter gene

Promoter,
splice,
PolyA

Comments p59 inserted at Ecor I site

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

57

Date entered

16.3.92

Constructed by

Louvion Jean-François

Date constructed

11/91

PLASMID NAME

pG1/p59

bacterial marker amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

pUC

other relevant source constructs

Inserts rabbit p59

Reporter gene

Promoter, GPD
splice, PGK
PolyA

Comments strong expression from constitutive promoter

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

58

Date entered

16.3.92

Constructed by

Louvion Jean-François

Date constructed

3.91

PLASMID NAME

pYES/p59

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES (5.9 Kb)

bacterial plasmid

?

other relevant source constructs

Inserts

rabbit p59 (from p59/B, Baulieu's lab)

Reporter gene

Promoter,
splice,
PolyA

GAL1

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

59

Date entered

16.3.92

Constructed by

Louvion Jean-François

Date constructed

7.91

PLASMID NAME

p gal1 hhsp90/gal10 rp59

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pgal1hhsp90

bacterial plasmid

pSE362

other relevant source constructs

Inserts human hsp90 fused to rabbit p59

Reporter gene

Promoter,
splice,
PolyA gal1 (h hsp90) and gal10 (r p59)

Comments

Reference

Construct number

60

Date entered

16.3.92

Constructed by

Yamamoto lab

Date constructed

PLASMID NAME

pG-1

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

pUC

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase (GPD = TDH3) promoter,
termination and polyA sites from 3-phosphoglycerate kinase (PGK)

Comments strong expression from constitutive promoter

Reference Schena M. et al (1991) Methods in Enzymology 194:389-398.

Construct number

62

Date entered

16.3.92

Constructed by

Yamamoto lab

Date constructed

PLASMID NAME

pG3

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

pBR322

other relevant source constructs

Inserts

Reporter gene

Promoter, glyceraldehyde-3-phosphate dehydrogenase
splice, 3-phosphoglycerate kinase
PolyA

Comments Identique to pG1 except more restriction sites inserted in the polylinker

Reference Schena M. et all (1991) Methods in Enzymology 194 :389-398.

Construct number

64

Date entered

16.3.92

Constructed by

Lindquist lab

Date constructed

1988

PLASMID NAME

pTT8

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

pBM150

other relevant source constructs

Inserts yeast hsp82 coding region (3 Kb)

Reporter gene

Promoter, gal10/gal1
splice,
PolyA

Comments

Reference for vector: (1984) MCB 4:1440-1448

Construct number

65

Date entered

16.3.92

Constructed by

Havaux-Copf Biserka

Date constructed

PLASMID NAME

pSP64/hsp82

bacterial marker Amp

parent vector

bacterial plasmid

pSP64

other relevant source constructs

Inserts yeast hsp82 coding sequence

Reporter gene

Promoter,
splice,
PolyA

Comments Xba I-Sac I digestion releasing hsp82 sequence

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

66

Date entered

16.3.92

Constructed by

Picard Didier

Date constructed

10.27.89

PLASMID NAME

pHCA/GAL4.GR

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

RS313

bacterial plasmid

other relevant source constructs

Inserts

yeast GAI4 DNA binding domain (NH2 terminal 74 amino acids) fused to hormone binding domain of r GR (amino acids 525-795)

Reporter gene

Promoter,
splice,
PolyA alcohol dehydrogenase 1 (ADH)

Comments constitutive expression

Reference pRS313: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.
Fusion based on GG22 (WT GAL4): Cell 51: 121

DIDIER PICARD LAB, University of Geneva

Construct number

67

Date entered

16.3.92

Constructed by

Louvion Jean-François

Date constructed

11.91

PLASMID NAME

pHCA/GAL4(1-93).GR

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pSTEV-GAL4(1-93)

Inserts yeast GAI4 DNA binding domain (NH2 terminal 93 amino acids) fused to hormone binding domain of rat GR (AA 512-795).

Reporter gene

Promoter,
splice,
PolyA alcohol dehydrogenase 1 (ADH)

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

68

Date entered

16.3.92

Constructed by

Louvion Jean-François

Date constructed

11.91

PLASMID NAME

pTCA/GAL4(1-93).GR

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

RS314

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pSCTEV-GAL4(1-93)

Inserts GAL4 DNA binding domain (aa1-93) fused to GR hormone binding domain (aa 512-795)

Reporter gene

Promoter,
splice,
PolyA ADH1

Comments Identical to pHCA/GAL4(1-93).GR except for the yeast marker

Reference for pRS314: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.3.92

Constructed by Picard Didier

Date constructed 10.27.89

PLASMID NAME

pHCA/GAL4.ER

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

RS313

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

HE14

pGG22

Inserts yeast GAL4 DNA binding domain (NH2- terminal 74 amino acids) fused to the hormone binding domain of hER (amino acids 282-595).

Reporter gene

Promoter,
splice,
PolyA alcohol dehydrogenase 1 (ADH), driving constitutive expression

Comments

Reference pRS313: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.
Fusion based on GG22 (WT GAL4): Gill and Ptashne, 1987, Cell 51: 121-126.

DIDIER PICARD LAB, University of Geneva

Construct number

71

Date entered

16.3.92

Constructed by

Louvion Jean-François

Date constructed

11.91

PLASMID NAME

pHCA/GAL4(1-93).ER

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pSTEV-GAL4(1-93)

Inserts yeast GAL4 DNA binding domain (NH₂- terminal 93 amino acids) fused to hormone binding domain of hER (282-595).

Reporter gene

Promoter, alcohol dehydrogenase 1 (ADH) promoter, driving constitutive expression
splice,
PolyA

Comments

Reference pRS313: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.
ADH promoter from pGG22, Gill and Ptashne, 1987, Cell 51: 121-126.

For this plasmid: Louvion et al. (1993) Gene 131, 129-134

DIDIER PICARD LAB, University of Geneva

Construct number

72

Date entered

16.3.92

Constructed by

Louvion Jean-François

Date constructed

11.91

PLASMID NAME

pTCA/GAL4(1-93).ER

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

RS314

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pSTEV-GAL4(1-93)

Inserts GAL4 DNA binding domain (aa 1-93) fused to ER hormone binding domain (aa 282-595)

Reporter gene

Promoter,
splice,
PolyA alcohol dehydrogenase gene 1 promoter (ADH)

Comments Identical to pHCA/GAL4(1-93) except the yeast marker.

Reference for pRS314: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.

DIDIER PICARD LAB, University of Geneva

Construct number

73

Date entered

16.3.92

Constructed by

Havaux-Copf Biserka

Date constructed

30.4.91

PLASMID NAME

pHCA/GAL4.ER.VP16

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

HE14

pSJT1193 CRF1

Inserts

yeast GAL4 DNA binding domain (NH2- terminal 74 amino acids) fused to hormone binding domain of h ER (aa 282-576) fused to transcriptional activator VP16 C-terminus (aa 424-490).

Reporter gene

Promoter,
splice,
PolyA alcohol dehydrogenase 1 gene promoter (constitutive)

Comments

The fusion protein can be activated (transcriptional activation) by addition of 0.1 μ M β -estradiol.

Reference

pRS313: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.
GAL4 moiety and ADH promoter from pGG22 Gill and Ptashne, 1987, Cell 51: 121-126.

DIDIER PICARD LAB, University of Geneva

Construct number

74

Date entered

16.3.92

Constructed by

Louvion Jean-François

Date constructed

11.91

PLASMID NAME

pHCA/GAL4(1-93).ER.VP16

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pSCTEV-GAL4(1-93), HE14, pSPERmyc,
pSJT1193CRF1 (S.Triezenberg's gift),

Inserts

yeast GAL4 DNA binding domain (NH2-terminal 93 amino acids) fused to the hormone binding domain of h ER (amino acids 282-576) fused to transcriptional activator VP16 C-terminus (424-490).

Reporter gene

Promoter,
splice,
PolyA alcohol dehydrogenase 1 gene promoter (constitutive)

Comments

- The fusion protein can be activated (transcriptional activation) by addition of 0.1 μ M β -estradiol.

- deposited in Addgene with plasmid ID 108216; full sequence available thanks to Addgene

Reference

- pRS313: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.
- ADH promoter from pGG22 Gill and Ptashne, 1987, Cell 51: 121-126.
- for pSPERmyc: Eilers et al. (1989) Nature 340, 66.
- for this plasmid: Louvion et al. (1993) Gene 131, 129-134

DIDIER PICARD LAB, University of Geneva

Construct number

76

Date entered

16.3.92

Constructed by

Louvion Jean-François

Date constructed

11.91

PLASMID NAME

pHCA/GAL4(1-93).hsp82

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313, pTT8

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pSCTEV-GAL4(1-93)

Inserts yeast GAL4 DNA binding domain (NH2 terminal 93 amino acids) fused to yeast hsp82

Reporter gene

Promoter,
splice,
PolyA alcohol dehydrogenase gene 1 promoter (ADH)

Comments

Reference pRS313: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.

DIDIER PICARD LAB, University of Geneva

Construct number

77

Date entered

17.3.92

Constructed by

Louvion Jean-François

Date constructed

11.91

PLASMID NAME

pTCA/GAL4(1-93).hsp82

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pRS314, pTT8

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pSCTEV-GAL4(1-93)

Inserts GAL4 DNA binding domain (aa 1-93) fused to yeast hsp82 sequences

Reporter gene

Promoter,
splice,
PolyA alcohol dehydrogenase gene 1 promoter (ADH)

Comments Identical to pHCA/GAL4(1-93)hsp82 except the yeast marker.

Reference pRS314: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.

DIDIER PICARD LAB, University of Geneva

Construct number

78

Date entered

17.3.92

Constructed by

Havaux-Copf Biserka

Date constructed

6.91

PLASMID NAME

p2LG/VP16.hsp82

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

p2LG, pRS305

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

VP16 chip

Inserts Transcriptional activation domain of VP16 fused to yeast hsp82.

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase (GPD)

Comments

Reference pRS305: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

79

Date entered

17.3.92

Constructed by

Havaux-Copf Biserka

Date constructed

11.91

PLASMID NAME

p2HG/VP16.hsp82

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

pRS303

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

VP16 chip

Inserts Transcriptional activation domain of VP16 fused to yeast hsp82.

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase (GPD)

Comments identical to p2LG/VP16.Hsp82 except for the yeast marker

Reference pRS303: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

80

Date entered

17.3.92

Constructed by

Havaux-Copf Biserka

Date constructed

1191

PLASMID NAME

p2TG/VP16.GR

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pRS304

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

VP16 chip

Inserts

Transcriptional activation domain of VP16 fused to hormone binding domain of rGR.

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase (GPD)

Comments

Reference pRS304: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

81

Date entered

17.3.92

Constructed by

Havaux-Copf Biserka

Date constructed

6.91

PLASMID NAME

p2LG/VP16.GR

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pRS305, p2LG

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

VP16 chip

Inserts

Transcriptional activation domain of VP16 fused in frame with the hormone binding domain of rGR.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference pRS305: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

82

Date entered

17.3.92

Constructed by

Havaux-Copf Biserka

Date constructed

11.91

PLASMID NAME

p2TG/VP16.ER

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pRS304

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

VP16 chip

Inserts

Transcriptional activation domain of VP16 fused in frame with the hormone binding domain of hER (282-595).

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase (GPD)

Comments

Reference pRS304: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

83

Date entered

17.3.92

Constructed by

HAvaux-Copf Biserka

Date constructed

6.91

PLASMID NAME

p2LG/VP16.ER

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

p2LG, pRS305

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

VP16 chip

Inserts

Transcriptional activation domain of VP16 fused in frame with the hormone binding domain of hER (aa 282-595).

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase (GPD)

Comments

Reference pRS305: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

84

Date entered

17.3.92

Constructed by

HAvaux-Copf Biserka

Date constructed

1990

PLASMID NAME

p2LG/VP16

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

p2LG

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

VP16 chip, pRS305

Inserts Transcriptional activation domain of VP16.

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase (GPD)

Comments

Reference pRS305: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

Construct number

85

Date entered

17.3.92

Constructed by

L. Guarente

Date constructed

PLASMID NAME

pLGSD5

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

YEP24,

bacterial plasmid

other relevant source constructs

Inserts

CYC1 leader fused to lacZ under GAL promoter (segment between GAL1 and GAL10).

Reporter gene

Promoter,
splice,
PolyA

GAL

Comments

ATGA and 3 bases are deleted so that there is no ATG for β -gal expression.

Reference

CYC1-lacZ: PNAS 78:2199
PNAS (1982) 79: 7410-7414.
Schneider and Guarantee (1990) Methods in Enzymology

Construct number

87

Date entered

17.3.92

Constructed by

Denis Sakai (Yamamoto lab)

Date constructed

PLASMID NAME

pUC Δ SS-26x

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pLG 3125, pLG 55

bacterial plasmid

pUC18

other relevant source constructs

Inserts

CYC1 leader fused to lacZ under GRE sites control.

Reporter gene

Promoter,
splice,
PolyA

Comments - 26x= GRE

- deposited in Addgene with plasmid ID 108218

Reference Schena and Yamamoto (1988) Science 241, 965

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 17.3.92

Constructed by Picard Didier

Date constructed 9.11.89

PLASMID NAME

p2HG

bacterial marker Amp

parent vector
pRS303

bacterial plasmid
pBLUESCRIPT

yeast marker HIS3

other relevant source constructs

eucaryotic replicon 2 μ circle

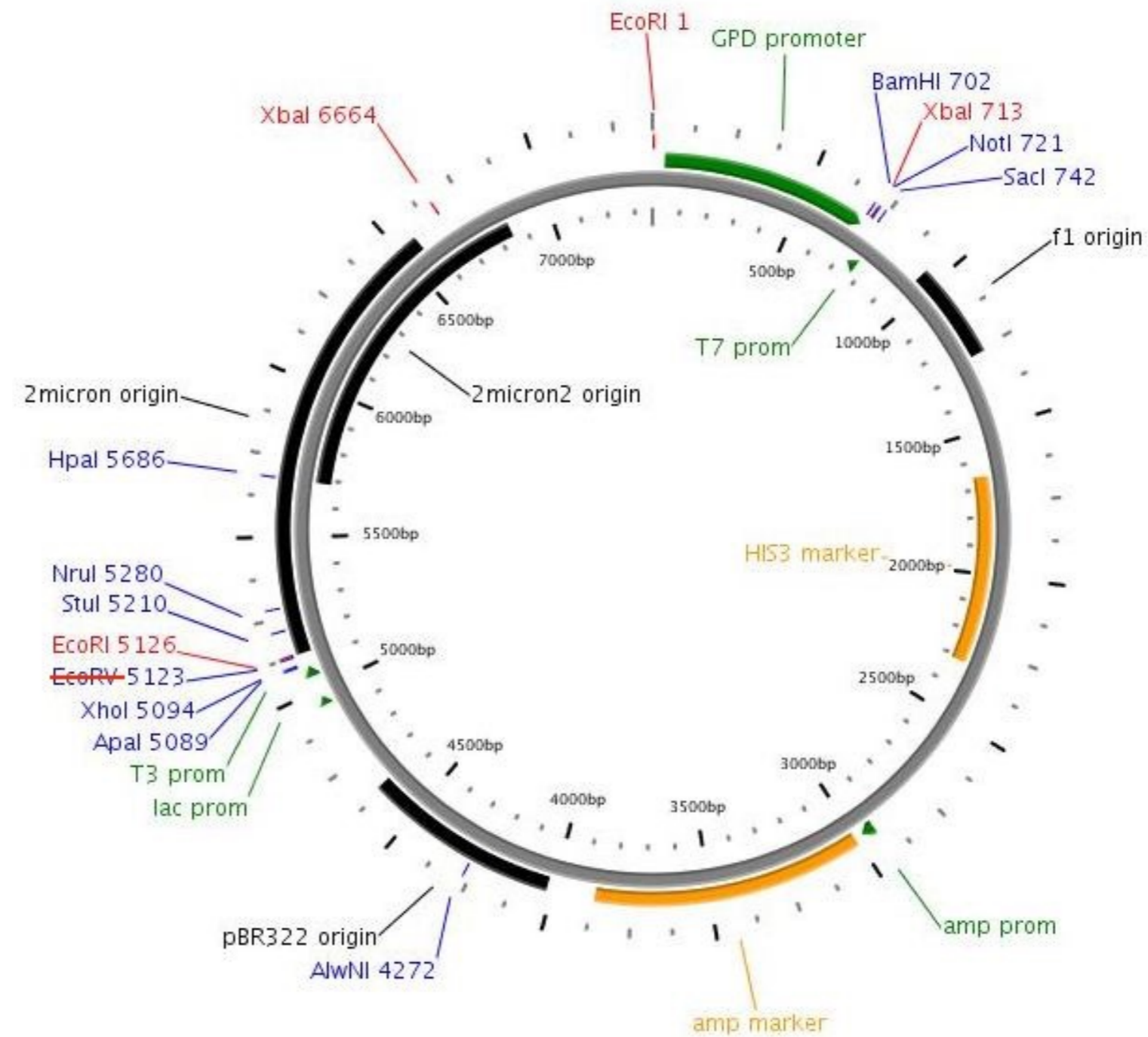
Inserts 2 μ circle and glyceraldehyde-3-phosphate dehydrogenase promoter

Reporter gene

Promoter, splice, PolyA GPD

Comments sequence available

Reference pRS303: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27
Picard et al (1990) Nature 348: 166-168.



Construct number

91

Date entered

23.3.92

Constructed by

Mike Jacobson

Date constructed

11/89

PLASMID NAME

pUC-UASgal(5x17) β mCO

bacterial marker Amp

parent vector

bacterial plasmid

pUC18

other relevant source constructs

pUC-OCDO (CAT/SV40pA)

p β mt-F7 (β globin)

p51 UAS/pUC18 (UAS gal)

Inserts

Reporter gene CAT

Promoter, wt mouse β globin promoter, gal UAS(5x17mer)
splice, SV40
PolyA

Comments

Reference

Construct number

92

Date entered

31.3.92

Constructed by

Schaffner/Rusconi labs

Date constructed

≤ 92

PLASMID NAME

CMV-lacZ

alternative name

p243

bacterial marker Amp

parent vector

bacterial plasmid

pUC18

other relevant source constructs

OVEC

Inserts β-galactosidase

Reporter gene

Promoter, - CMV enhancer/promoter (-522 to -43)
splice, - TATA box of rabbit β-globin
PolyA - TK leader and AUG
- rabbit β-globin splice (IVS2) and polyA

Comments β-galactosidase expression vector

Reference

Construct number

93

Date entered

31.3.92

Constructed by

Beni Lüscher

Date constructed

7 / 91

PLASMID NAME

pNL(Not2x)

alternative name

p251

bacterial marker Amp

parent vector

pNL

bacterial plasmid

pBS

other relevant source constructs

Inserts

- β -galactosidase with SV40 T-antigen nuclear localization signal at N-terminus.
- NotI sites for cutting off plasmid sequences.

Reporter gene

lacZ

Promoter,

splice,

PolyA

- no promoter
- polylinker for insertion of promoters.
- SV40 splice and polyA

Comments

identical to pNL except for insertion of NotI sites.

Reference

for pNL: Gan et al. (1990) Dev. Biol. 142, 346-359.

DIDIER PICARD LAB, University of Geneva

Construct number

94

Date entered

9.4.92

Constructed by

Pierre-André Briand

Date constructed

4/92

PLASMID NAME

GBZ

bacterial marker Amp

parent vector

bacterial plasmid

pUC18

other relevant source constructs

P4-OVEC, p65VALO

Inserts

β -galactosidase is fused in-frame to the N-terminal 101AA of the rabbit β -globin (junction at the BamHI site).

Reporter gene

lacZ

Promoter,
splice,
PolyA

- tetrameric palindromic GRE upstream of rabbit β -globin ATA box.
- IVS2 and polyA from rabbit β -globin.

Comments

IVS1 of β -globin gene is deleted.

Reference

for P4-OVEC: Severne et al. (1988) EMBO J. 7, 2503-

for VALO: Picard and Yamamoto (1987) EMBO J. 6, 3333-3340.

DIDIER PICARD LAB, University of Geneva

Construct number

95

Date entered

9.4.92

Constructed by

Pierre-André Briand

Date constructed

4/92

PLASMID NAME

GBNZ

bacterial marker Amp

parent vector

GBZ

bacterial plasmid

pUC18

other relevant source constructs

P4-OVEC, pNL(Not2x)

Inserts

N-terminal 101AA of the rabbit β -globin, fused to the nuclear localization signal of SV40 T-antigen, fused to β -galactosidase.

Reporter gene lacZ

Promoter, - tetrameric palindromic GRE upstream of rabbit β -globin ATA box.
splice, - IVS2 and polyA from rabbit β -globin.
PolyA

Comments IVS1 of β -globin gene is deleted.

Reference for P4-OVEC: Severne et al. (1988) EMBO J. **7**, 2503-
for pNL (parent of pNL(Not2x): Gan et al. (1990) Dev. Biol. **142**,
346-359.

DIDIER PICARD LAB, University of Geneva

Construct number

96

Date entered

9.4.92

Constructed by

Didier Picard

Date constructed

4/92

PLASMID NAME

pNC

bacterial marker Amp

parent vector

pNL(Not2x)

bacterial plasmid

pBS

other relevant source constructs

CMV-lacZ, pX, VA/N525

Inserts polylinker for insertion of coding regions (cDNAs)

Reporter gene

Promoter, - CMV enhancer / promoter.
splice, - T7 RNA polymerase promoter.
PolyA - rabbit β -globin IVS2 and polyA.

Comments bacterial plasmid sequences can be cut off at flanking NotI sites.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.4.92

Constructed by Didier Picard

Date constructed 4/92

PLASMID NAME

pNEF

bacterial marker Amp

parent vector

BN

bacterial plasmid

pBS and BS(+)

other relevant source constructs

pEF-BOS, p6R, pNL(Not2x)

eucaryotic replicon SV40 ori

Inserts polylinker for insertion of coding regions (cDNAs).

Reporter gene

Promoter,
splice,
PolyA

- human elongation factor 1 α (EF-1 α) promoter.
- first intron from EF-1 α gene.
- SV40 poly A (in late orientation).
- plasmid contains SV40 origin (pos. 5092-128), early promoter same orientation as EF-1 α promoter.

Comments EF-1 α sequence includes 203 bp 5' flanking region, 33 bp first (non-coding) exon, 943 bp first intron, and 10 bp of the second exon (20 bp upstream of EF-1 α ATG).

Bacterial plasmid sequences can be cut off at flanking NotI sites.

Reference for pEF-BOS: Mizushima and Nagata (1990) NAR **18**, 5322.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.4.92

Constructed by Didier Picard

Date constructed 4/92

PLASMID NAME

BN

bacterial marker Amp

parent vector
pNL(Not2x) and BS(+)

bacterial plasmid
BS(+)

other relevant source constructs

Inserts polylinker flanked by NotI sites.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

99

Date entered

7.5.92

Constructed by

Jean-François Louvion

Date constructed

5.11.91

PLASMID NAME

pLG/Z

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pLGSD5-ATG

bacterial plasmid

pBR

other relevant source constructs

Inserts

CYC1 leader fused to lacZ under GAL promoter (segment between GAL1 and GAL10) + β -galactosidase coding region.

Reporter gene lacZ

Promoter,
splice,
PolyA - UASgal upstream of CYC1 TATA region.

Comments pLGSD5-ATG has a deletion of the AUG preceding the lacZ sequence. Introduction of an ATG codon missing in the pLGSD5 construct.

Reference for pLGSD5-ATG: Schneider and Guarente (1991) Methods Enzym. 194, 373-388.
for this plasmid: Louvion et al. (1993) Gene 131, 129-134

Construct number

100

Date entered

26.5.92

Constructed by

Sue Smith (Stunnenberg lab)

Date constructed

21.11.90

PLASMID NAME

pRTn10

bacterial marker Amp

parent vector

pRTn1

bacterial plasmid

other relevant source constructs

Inserts

pRTn1: hMTII-A promoter with GC and TATA box driving luciferase.
pRTn10: pRTn1 with 1xTRE upstream of promoter.
pRTn13: pRTn1 with 3xTRE upstream of promoter.

Reporter gene

luciferase

Promoter,
splice,
PolyA

- hMTII-A promoter with GC and TATA box (from MCAT)
- SV40 polyA site
- 2 x polyA site upstream of polylinker to stop read-through transcripts.

Comments

TRE = AP1 binding site.

Reference

Construct number

101

Date entered

26.5.92

Constructed by

Sue Smith (Stunnenberg lab)

Date constructed

21.11.90

PLASMID NAME

pRTn13

bacterial marker Amp

parent vector

pRTn1

bacterial plasmid

other relevant source constructs

Inserts

pRTn1: hMTII-A promoter with GC and TATA box driving luciferase.
pRTn10: pRTn1 with 1xTRE upstream of promoter.
pRTn13: pRTn1 with 3xTRE upstream of promoter.

Reporter gene

luciferase

Promoter,
splice,
PolyA

- hMTII-A promoter with GC and TATA box (from MCAT)
- SV40 polyA site
- 2 x polyA site upstream of polylinker to stop read-through transcripts.

Comments

TRE = AP1 binding site.

Reference

Construct number

102

Date entered

29.5.92

Constructed by

Triezenberg lab

Date constructed

PLASMID NAME

pSJT-1193 CRF2

bacterial marker Amp

parent vector

bacterial plasmid

pEMBL

other relevant source constructs

Inserts

C-terminus (transactivation domain) of VP16 plus 119 bp, i.e. includes stop codon.

At N-terminus, Bgl2 site in all 3 frames:

CRF1 AGA TCT GCG GCC

CRF2 AG ATC TGG GCC

CRF3 A GAT CTG GCC

Reporter gene

Promoter,
splice,
PolyA no promoter, but 3' end (polyA site) of the TK gene.

Comments

Reference Triezenberg et al. (1988) Genes Dev. 2, 718-729.

Construct number

103

Date entered

29.5.92

Constructed by

Triezenberg lab

Date constructed

PLASMID NAME

p 2lg

bacterial marker Amp

parent vector

bacterial plasmid

pEMBL

other relevant source constructs

Inserts

C-terminus (transactivation domain) of VP16 plus 119 bp, i.e. includes stop codon.

At N-terminus, Bgl2 site in all 3 frames:

CRF1 AGA TCT GCG GCC

CRF2 AG ATC TGG GCC

CRF3 A GAT CTG GCC

Reporter gene

Promoter,
splice,
PolyA no promoter, but 3' end (polyA site) of the TK gene.

Comments

Reference Triezenberg et al. (1988) Genes Dev. 2, 718-729.

Construct number 104

Date entered 29.5.92

Constructed by Katja Seipel (Schaffner lab)

Date constructed 9.9.91

PLASMID NAME

pSCTEV gal93-LFx

bacterial marker Amp	parent vector pSCTEV
	bacterial plasmid pSP64
	other relevant source constructs
eucaryotic replicon SV40 ori	

Inserts DNA binding domain plus dimerization domain of GAL4 (from *S. cerevisiae*), i.e. AA 1-93, followed by polylinker with SmaI site in all three reading frames before stop codon.

pSCTEV gal93-LFx-s (X=0, 1, 2)

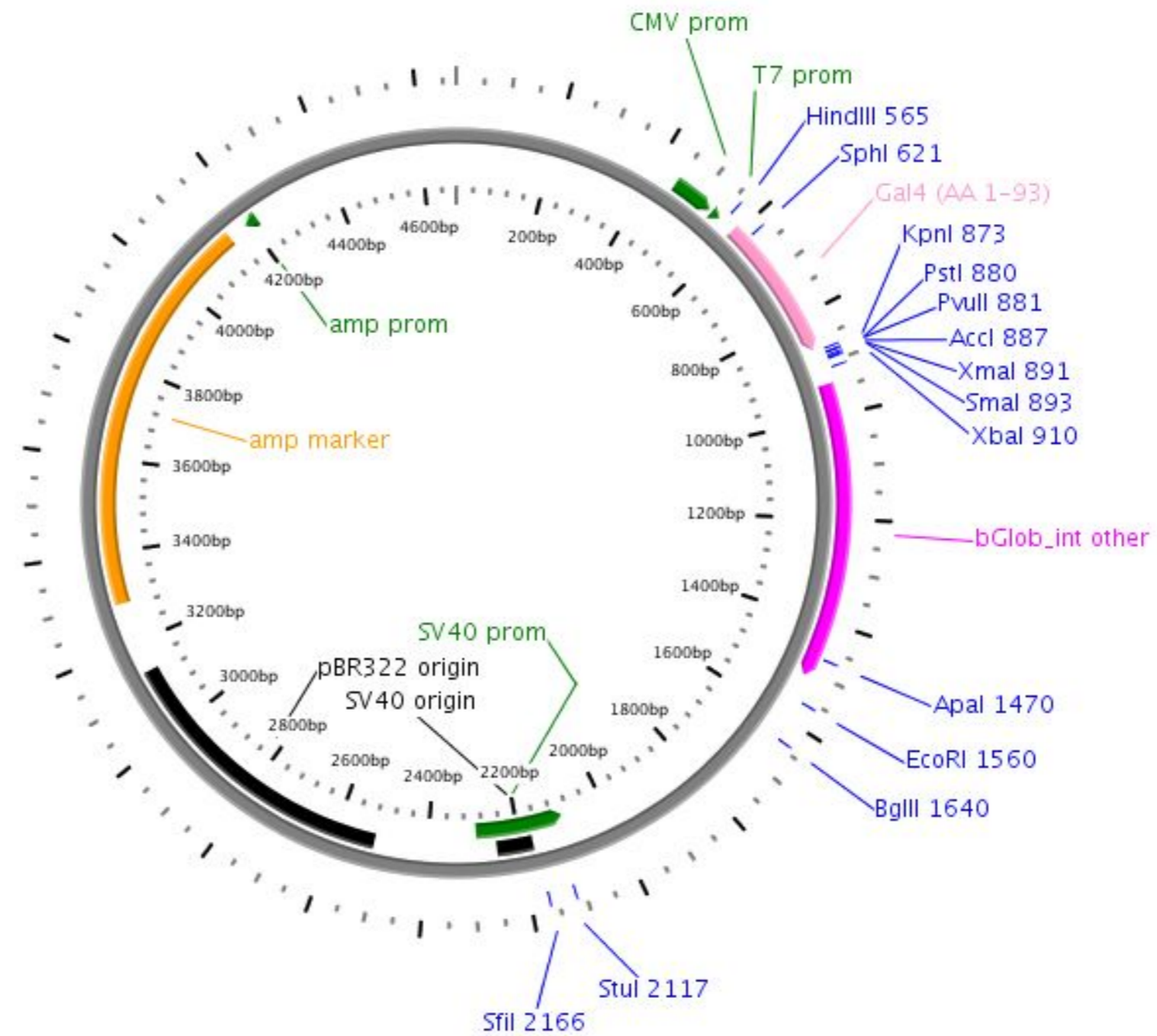
Reporter gene

Promoter, splice, PolyA

- CMV enhancer / promoter
- T7 RNA polymerase promoter
- rabbit β -globin IVS2 and polyA

Comments - see record # 39 for sequence of LFO.

Reference



Construct number 105

Date entered 29.5.92

Constructed by Katja Seipel (Schaffner lab)

Date constructed 9.9.91

PLASMID NAME

pSCTEV gal93-LF2

bacterial marker Amp	parent vector pSCTEV
	bacterial plasmid pSP64
eucaryotic replicon SV40 ori	other relevant source constructs

Inserts DNA binding domain plus dimerization domain of GAL4 (from *S. cerevisiae*), i.e. AA 1-93, followed by polylinker with SmaI site in all three reading frames before stop codon.

pSCTEV gal93-LFX-s (X=0, 1, 2)

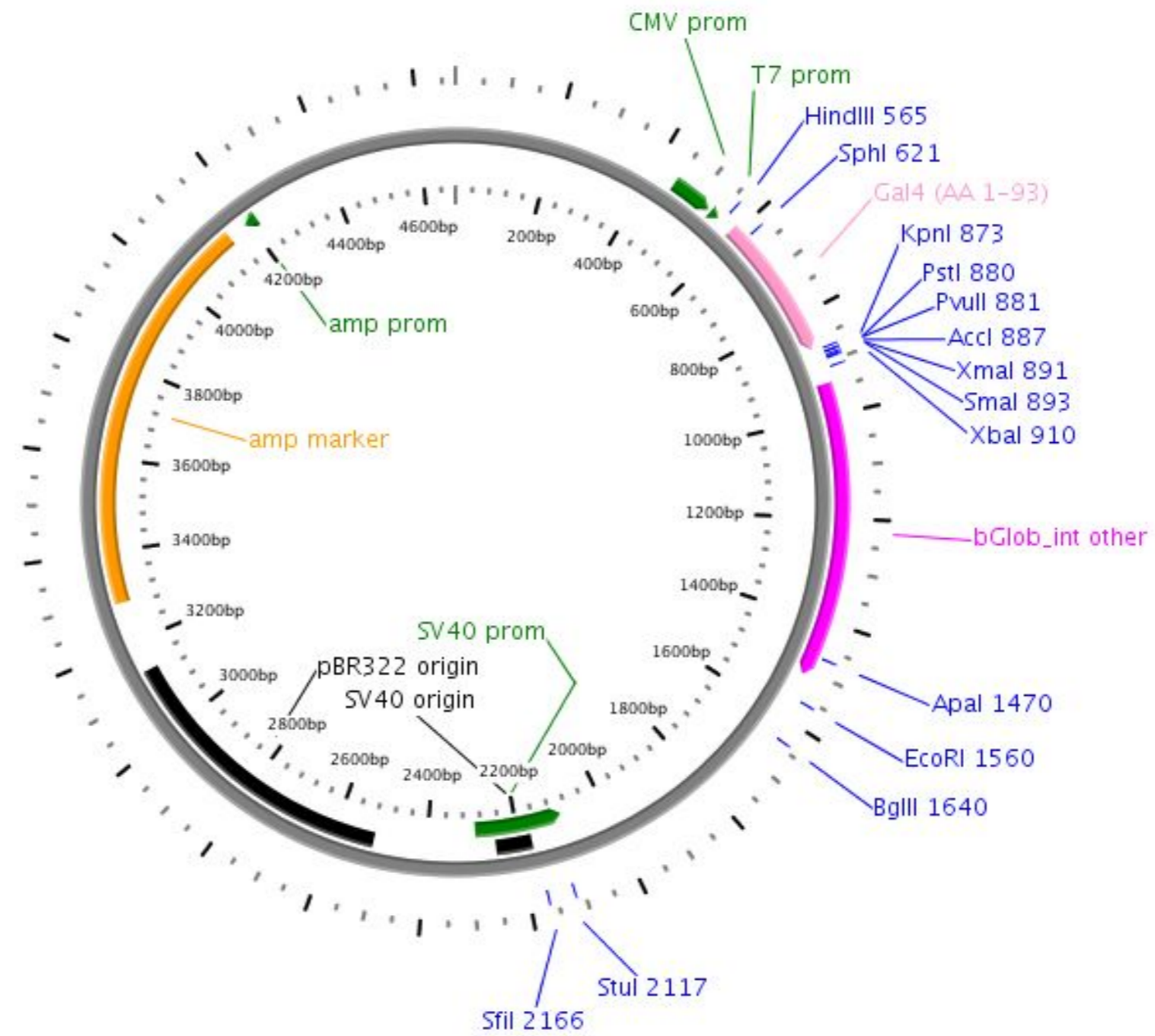
Reporter gene

Promoter, splice, PolyA

- CMV enhancer / promoter
- T7 RNA polymerase promoter
- rabbit β -globin IVS2 and polyA

Comments - see record # 39 for sequence of LF0.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

106

Date entered

29.5.92

Constructed by

Jean-François Louvion

Date constructed

PLASMID NAME

VA/cFOS

bacterial marker Amp

parent vector

VAO

bacterial plasmid

pSP64

other relevant source constructs

pXc-fos

RSVcfosER

Inserts mouse c-FOS cDNA, coding region

Reporter gene

Promoter, - SV40 enhancer, human α 1-globin promoter
splice, - rabbit β -globin IVS2.
PolyA - rabbit β -globin polyA site.

Comments cFOS (RSVcFOSER Xba I / Nco I, pXcFOS Nco I / BamH I)

Reference for VAO: Picard et al. (1990) Cell Reg. 1, 291-299.

DIDIER PICARD LAB, University of Geneva

Construct number

107

Date entered

29.5.92

Constructed by

Pierre-André Briand

Date constructed

5 / 92

PLASMID NAME

GNZ

bacterial marker Amp

parent vector

GBNZ

bacterial plasmid

pUC18

other relevant source constructs

P4-OVEC, pNL(Not2x)

Inserts nuclear localization signal of SV40 T-antigen, fused to β -galactosidase.

Reporter gene lacZ

Promoter, - tetrameric palindromic GRE upstream of rabbit β -globin ATA box.
splice, - IVS2 and polyA from rabbit β -globin.
PolyA

Comments works very well with truncated glucocorticoid receptor (N556), but hardly at all with full-length because of GRE spacing.

Reference for P4-OVEC: Severne et al. (1988) EMBO J. **7**, 2503-
for pNL (parent of pNL(Not2x): Gan et al. (1990) Dev. Biol. **142**,
346-359.

Construct number

108

Date entered

10.6.92

Constructed by

Tiziano Tallone (Rusconi lab)

Date constructed

92

PLASMID NAME

(GRE)4-63 OVEC

bacterial marker Amp

parent vector

OVEC

bacterial plasmid

pUC

other relevant source constructs

Inserts tetrameric GRE palindrome

Reporter gene β -globin

Promoter, - rabbit β -globin ATA box.
splice, - IVS 2 and polyA from rabbit β -globin.
PolyA

Comments compared to P4-OVEC, the spacing between the GRE palindromes is longer (63bp vs. 28 bp). Should work equally well with both N556 and N795. Dam methylation at GATC sites may interfere with cooperativity.

Reference

Construct number

109

Date entered

10.6.92

Constructed by

Malcolm Parker lab

Date constructed

< 92

PLASMID NAME

pJ3 L-543A/L-544A

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pJ3MOR

bacterial plasmid

pBR

other relevant source constructs

Inserts

double point mutations L-543A/L-544A in the hormone binding domain of the mouse estrogen receptor (MOR).

Mutations were cloned as oligos between KpnI and ClaI sites engineered at positions 1608 and 1654 introducing an XhoI site at 1634.

Reporter gene

Promoter, - SV40 early promoter
splice, - SV40 small t splice and SV40 polyA
PolyA

Comments

Reference Danielian et al. (1992) EMBO J. 11, 1025-1033.

Construct number

110

Date entered

10.6.92

Constructed by

Malcolm Parker lab

Date constructed

< 92

PLASMID NAME

G4ER M-547A/L-548A

bacterial marker Amp

parent vector

pSG424 ?

bacterial plasmid

other relevant source constructs

pJ3 M-547A/L-548A (MOR)

Inserts

GAL4 DNA binding domain (AA1-147) fused to hormone binding domain of mouse estrogen receptor (AA 313-599).

Contains double point mutation M-547A/L-548A in the hormone binding domain.

Mutations were cloned as oligos between KpnI and ClaI sites engineered at positions 1608 and 1654 introducing an XhoI site at 1634.

Reporter gene

Promoter,
splice,
PolyA

Comments probably in a eukaryotic expression vector (see Sadowski and Ptashne).

Reference for mutant: Danielian et al. (1992) EMBO J. **11**, 1025-1033.
for pSG424: Sadowski and Ptashne (1989) NAR **17**, 7539-

Construct number

111

Date entered

10.6.92

Constructed by

Malcolm Parker lab

Date constructed

< 92

PLASMID NAME

G4GR I-762A/I-763A

bacterial marker Amp

parent vector

pSG424 ?

bacterial plasmid

other relevant source constructs

Inserts

GAL4 DNA binding domain (AA1-147) fused to hormone binding domain of mouse glucocorticoid receptor (mGR), AA 506-783.

Contains double point mutation I-762A/I-763A in the hormone binding domain.

Reporter gene

Promoter,
splice,
PolyA

Comments probably in a eukaryotic expression vector (see Sadowski and Ptashne).

Reference for mutant: Danielian et al. (1992) EMBO J. **11**, 1025-1033.
for pSG424: Sadowski and Ptashne (1989) NAR **17**, 7539-

Construct number

112

Date entered

10.6.92

Constructed by

Malcolm Parker lab

Date constructed

< 92

PLASMID NAME

pJ3 L-511R

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pJ3MOR

bacterial plasmid

pBR

other relevant source constructs

Inserts

cDNA for full-length mouse estrogen receptor (MOR) with a single point mutation (L-511R) in the hormone binding domain.

Reporter gene

Promoter, - SV40 early promoter
splice, - SV40 small t splice and SV40 polyA
PolyA

Comments mutation knocks out dimerization in vitro.

Reference Fawell et al. (1990) Cell **60**, 953-962.

Construct number

113

Date entered

25.6.92

Constructed by

Invitrogen

Date constructed

PLASMID NAME

pYES2

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA GAL 1 + termination sequence

Comments Galactose inducible promoter

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

114

Date entered

25.6.92

Constructed by

Louvion Jean-François

Date constructed

25.6.92

PLASMID NAME

puc-UASgal(5x17) β mLUC

bacterial marker Amp

parent vector
puc-UASgal(17x5) β mCO

bacterial plasmid
puc18

other relevant source constructs
GMLUC

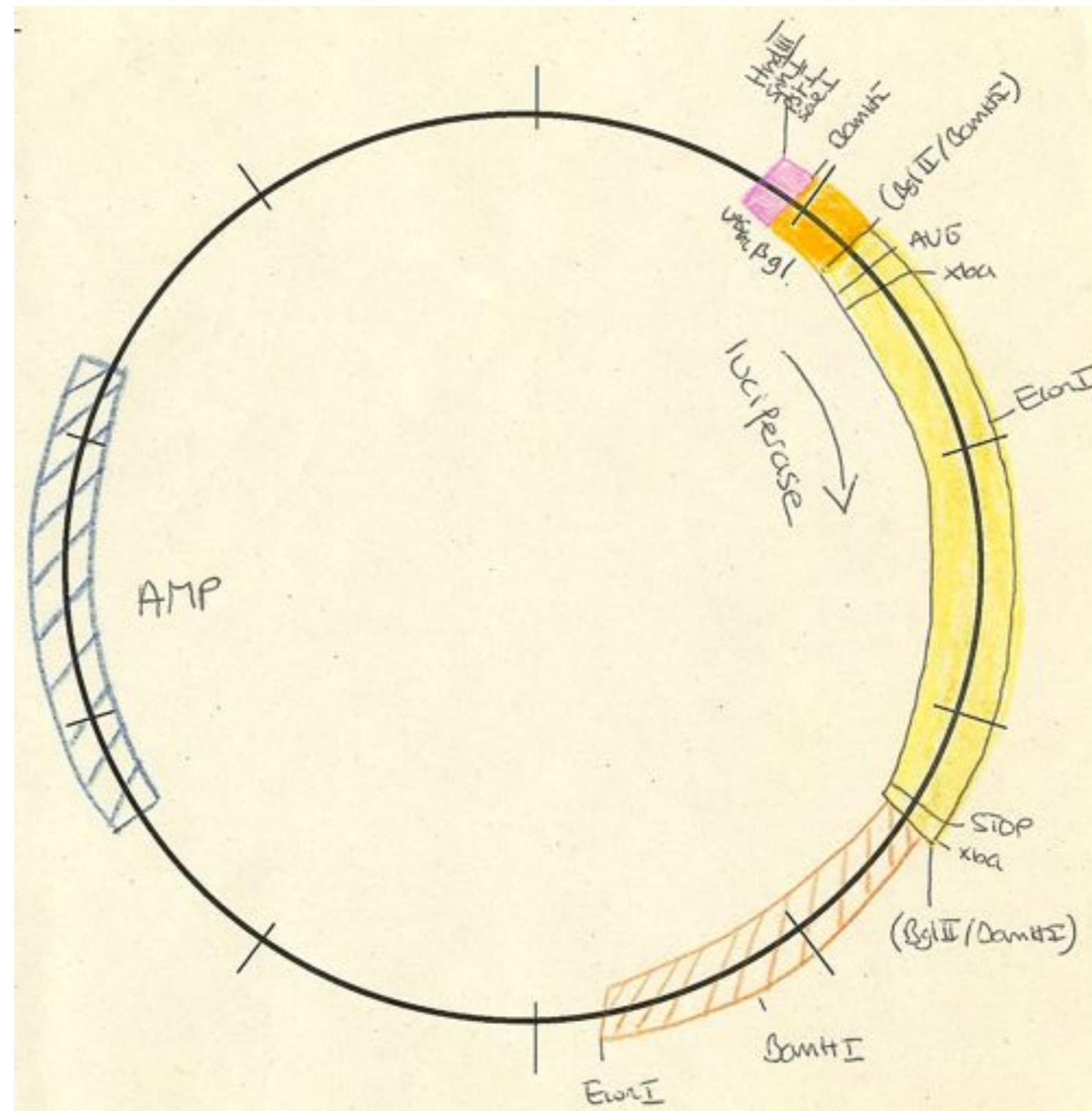
Inserts UASgal- β globin driving luciferase

Reporter gene luciferase

Promoter, splice, PolyA UASgal, β globin
SV40 small intron and poly A site

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

115

Date entered

27.6.92

Constructed by

Didier Picard

Date constructed

27.2.90

PLASMID NAME

pG/ER.106C

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG-1

bacterial plasmid

other relevant source constructs

pSP72/HE14

Inserts hER Hormone binding domain fused to rGR AA 106-795.

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

116

Date entered

27.6.92

Constructed by

Dider Picard

Date constructed

30.5.88

PLASMID NAME

pGal1-hhsp90

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pSE362

bacterial plasmid

other relevant source constructs

phhsp90

Inserts human hsp90 β

Reporter gene

Promoter,
splice,
PolyA GAL1 promoter

Comments hsp90=hsp89 β

Reference - for hsp89 β (gene 53:235-245)
- for construct: Palmer et al. (1995) Molec. Biochem. Parasitology 70,
199-202

Construct number

117

Date entered

27.6.92

Constructed by

Neil Rebbe

Date constructed

. 3.88

PLASMID NAME

pKN 1-3

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts human hsp90

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

118

Date entered

27.6.92

Constructed by

Mark Schena

Date constructed

PLASMID NAME

pG/N795

GR

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

pUC

other relevant source constructs

Inserts r GR cDNA

Reporter gene

Promoter, GPD
splice, PGK termination sequence
PolyA

Comments - deposited in Addgene with plasmid ID 108220

Reference Methods in Enzymology (1991) 194 : 389-398.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.7.92

Constructed by samarpan

Date constructed 1.8.92

PLASMID NAME

pNEF / cfos.GR

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pNEF

bacterial plasmid

pBS and BS(+)

other relevant source constructs

pEF-Bos, px/cfosGR

Inserts Mouse cFos fused to rat GR hormone binding domain .

Reporter gene

Promoter, human EF1a human elongation factor 1 α (EF-1 α) promoter.
splice, - first intron from EF-1 α gene.
PolyA - SV40 poly A (in late orientation).
- plasmid contains SV40 origin (pos. 5092-128), early promoter same orientation as EF-1 α promoter.

Comments

Reference For EF-1a: N.A.R. 18, (1990), 5322.

DIDIER PICARD LAB, University of Geneva

Construct number

120

Date entered

9.7.92

Constructed by

Maria Jaramillo

Date constructed

1.9.92

PLASMID NAME

pNEF / N525

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pNEF

bacterial plasmid

pBS and BS(+)

other relevant source constructs

VA/N525

Inserts Rat GR AA 1 - 525

Reporter gene

Promoter, human EF1a elongation factor 1 α (EF-1 α) promoter.
splice, - first intron from EF-1 α gene.
PolyA - SV40 poly A (in late orientation).
- plasmid contains SV40 origin (pos. 5092-128), early promoter same orientation as EF-1 α promoter.

Comments

Reference For EF-1a: N.A.R. 18, (1990), 5322.

DIDIER PICARD LAB, University of Geneva

Construct number

121

Date entered

9.7.92

Constructed by

Maria Jaramillo

Date constructed

10.6.92

PLASMID NAME

pNEF / luciferase

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pNEF

bacterial plasmid

pBS and BS(+)

other relevant source constructs

pluci

Inserts luciferase cDNA from Photinus pyralis

Reporter gene

Promoter, human EF1a elongation factor 1 α (EF-1 α) promoter.
splice, - first intron from EF-1 α gene.
PolyA - SV40 poly A (in late orientation).
- plasmid contains SV40 origin (pos. 5092-128), early promoter same orientation as EF-1 α promoter.

Comments

Reference For EF-1a: N.A.R. 18, (1990), 5322.

DIDIER PICARD LAB, University of Geneva

Construct number

123

Date entered

15.7.92

Constructed by

Pierre-André Briand

Date constructed

7 / 92

PLASMID NAME

ETL

bacterial marker Amp

parent vector

pUC

bacterial plasmid

pUC18

other relevant source constructs

G46TL, pUC-ETCO

Inserts

ERE upstream of TK promoter driving luciferase.

Reporter gene

luciferase

Promoter,
splice,
PolyA

- ERE from Xenopus vitellogenin A2 gene
- HSV thymidine kinase (TK) promoter.
- SV40 small t intron and polyA site.

Comments

Reference for luciferase: De Wet et al. (1987) MCB 7, 725-737.

DIDIER PICARD LAB, University of Geneva

Construct number

124

Date entered

15.7.92

Constructed by

Pierre-André Briand

Date constructed

7 / 92

PLASMID NAME

G4NZ

bacterial marker Amp

parent vector

OVEC-1

bacterial plasmid

pUC

other relevant source constructs

GNZ, (GRE)4-63-OVEC

Inserts nuclear localization signal of SV40 T-antigen, fused to β -galactosidase.

Reporter gene lacZ

Promoter, - tetrameric palindromic GRE upstream of rabbit β -globin ATA box.
splice, - IVS2 and polyA from rabbit β -globin.
PolyA

Comments spacing of GRE centers is 63 bp (compared to 28 bp in GNZ); β -globin 3' flanking sequence as in OVEC. Otherwise identical to GNZ. pUC sequence can be cut off with HindIII.

Reference for OVEC-1: Westin et al. (1987) NAR **15**, 6787-6798.

DIDIER PICARD LAB, University of Geneva

Construct number

125

Date entered

15.7.92

Constructed by

Pierre-André Briand

Date constructed

7 / 92

PLASMID NAME

G46TNZ

bacterial marker Amp

parent vector

bacterial plasmid

pUC

other relevant source constructs

OVEC-1, GBNZ, pUC-G₄₆T₁₀₉CO

Inserts

synthetic 46mer GRE upstream of TK promoter driving chimeric protein (nuclear localization signal of SV40 T-antigen, fused to β -galactosidase).

Reporter gene

lacZ

Promoter,
splice,
PolyA

- GRE: synthetic 46mer, dimer of footprint 1.5 of MMTV LTR.
- HSV thymidine kinase (TK) promoter.
- IVS2 and polyA from rabbit β -globin.

Comments

pUC sequence can be cut off with HindIII.

Reference

for OVEC-1: Westin et al. (1987) NAR **15**, 6787-6798.
for pUC-G₄₆T₁₀₉CO: see plasmid 5'MTV46 in Sakai et al. (1988) Genes Dev. **2**, 1144-1154.

DIDIER PICARD LAB, University of Geneva

Construct number

126

Date entered

15.7.92

Constructed by

Didier Picard

Date constructed

6 / 92

PLASMID NAME

pMV/cIV(K290M)

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon Polyoma ori

parent vector

pMV7

bacterial plasmid

pML

other relevant source constructs

pPLcIV-K290M

Inserts

full-length mouse c-abl IV.
Kinase-defective point mutant (K290M). Conserved motif VAVK in active site is mutated to VAVM (completely inactive).

Reporter gene

Promoter,
splice,
PolyA MLV 5' and 3' LTR. TK promoter driving neo.

Comments

Reference for pMV7: Kirschmeier et al. (1988) DNA 7, 219-225.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 15.7.92

Constructed by Didier Picard

Date constructed 6 / 92

PLASMID NAME

pMV/ Δ XB(K290M)

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon Polyoma ori

parent vector

pMV7

bacterial plasmid

pML

other relevant source constructs

pPLcIV-K290M, pPLcIV Δ XB

Inserts full-length mouse c-abl IV with Δ XB deletion mutation (Δ of AA 72-126) and point mutation K290M.
K290M: Conserved motif VAVK in active site is mutated to VAVM (completely inactive).

Reporter gene

Promoter, MLV 5' and 3' LTR. TK promoter driving neo.
splice,
PolyA

Comments

Reference for pMV7: Kirschmeier et al. (1988) DNA 7, 219-225.

DIDIER PICARD LAB, University of Geneva

Construct number

128

Date entered

15.7.92

Constructed by

Didier Picard

Date constructed

6 / 92

PLASMID NAME

pMV/cIV(K-).ER

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon Polyoma ori

parent vector

pMV7

bacterial plasmid

pML

other relevant source constructs

pPLcIV-K290M, pPL/cIV(630).ER, pMV/cFOS.
ER

Inserts

mouse c-abl IV AA 1-630 fused to the hormone binding domain of hER (Val400).

abl moiety is a kinase-defective point mutant (K290M: conserved motif VAVK in active site is mutated to VAVM).

Reporter gene

Promoter, MLV 5' and 3' LTR. TK promoter driving neo.
splice,
PolyA

Comments

Reference for pMV7: Kirschmeier et al. (1988) DNA 7, 219-225.

DIDIER PICARD LAB, University of Geneva

Construct number

129

Date entered

31.7.92

Constructed by

Louvion Jean-François

Date constructed

june 1992

PLASMID NAME

pHCA/GAL4(93).VP16.GR

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

RS313

bacterial plasmid

other relevant source constructs

Inserts

GAI4 DNA binding domain (93 NH2 terminal amino acids) fused to VP16 transcriptional activation domain fused to rat glucocorticoid receptor Hormone binding domain (amino acids 525 to 795).

Reporter gene

Promoter,
splice,
PolyA ADH

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

130

Date entered

31.7.92

Constructed by

Louvion Jean-François

Date constructed

june 1992

PLASMID NAME

pHCA/GAL4(93).VP16.ER

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

RS313

bacterial plasmid

other relevant source constructs

Inserts

GAI4 DNA binding domain (93 NH2 terminal amino acids) fused to VP16 transcriptional activation domain fused to human oestrogen receptor Hormone binding domain (amino acids 282 to 595).

Reporter gene

Promoter,
splice,
PolyA

ADH

Comments

Reference Louvion et al. (1993) Gene 131, 129-134

DIDIER PICARD LAB, University of Geneva

Construct number

131

Date entered

5.8.92

Constructed by

Louvion Jean-François

Date constructed

july 92

PLASMID NAME

pDS56/RBSII6xHIShsp82

bacterial marker Amp

parent vector

pDS56/RBSII6xHIS(-1)

bacterial plasmid

other relevant source constructs

hsp82 from PTT8 and pHCA/GAL4(74)hsp82

Inserts yeast hsp82

Reporter gene

Promoter,
splice,
PolyA lac promoter/operator element

Comments

Protein can be expressed in bacteria after IPTG induction.
Plasmid has to be grown in bacteria containing lac repressor (M15).

Reference

Immunological Methods vol IV (1990)

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 10.8.92

Constructed by Louvion Jean-François

Date constructed august 92

PLASMID NAME

pHCA/6xHIShsp82

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

other relevant source constructs

pD56/RBSII6xHIShsp82

Inserts 6 histidine residues fused in NH2 terminus of yeast hsp82

Reporter gene

Promoter, ADH
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 10.8.92

Constructed by Louvion Jean-François

Date constructed august 92

PLASMID NAME

p2HG/6xHIShsp82

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

pRS303

bacterial plasmid

other relevant source constructs

pDS56/RBSII6xHIShsp82

Inserts 6 histidine residues fused to NH2 terminus of yeast hsp82

Reporter gene

Promoter,
splice,
PolyA GPD

Comments high copy number plasmid

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 27.8.92

Constructed by Louvion Jean-François

Date constructed august 92

PLASMID NAME

puc18(3xstop codon)

bacterial marker Amp

parent vector

puc18

bacterial plasmid

other relevant source constructs

Inserts oligonucleotide containing stop codon in all three open reading frame and one SnaBI restriction site inserted in the polylinker (SmaI/SacI).
!!! original oligonucleotide was duplicated, see the sequence indicated in the remark section , duplication of SnaBI and SacI sites!!!

Reporter gene

Promoter,
splice,
PolyA

Comments SnaBI SacI SnaBI Asp718
TACGTAGATAGATAGAGCTCTATGTGTCTACGTAGGGTACC
SacI EcoRI
GAGCTCGAATTC

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

135

Date entered

27.8.92

Constructed by

Frédéric Preitner

Date constructed

8 / 92

PLASMID NAME

pC7/hHSP90

bacterial marker Amp

parent vector

pC7

bacterial plasmid

BLUESCRIPT M13+

other relevant source constructs

pSVLcodon/hHSP90, pC7/N556

Inserts

human HSP90 cDNA, complete coding region.
(hsp89 β isoform).

Reporter gene

Promoter, - CMV1 enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - SV40 splice and polyA.

Comments

Reference for HSP90 cDNA: Rebbe et al. (1987) Gene **53**, 235-245.

DIDIER PICARD LAB, University of Geneva

Construct number

136

Date entered

27.8.92

Constructed by

Frédéric Preitner

Date constructed

8 / 92

PLASMID NAME

pMV/ Δ XB(K-).ER

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon Polyoma ori

parent vector

pMV7

bacterial plasmid

pML

other relevant source constructs

pMV/ Δ XB(K290M), pMV/CIV(K-).ER

Inserts

mouse c-abl IV AA 1-630 (with deletion of AA 72-126) fused to the hormone binding domain of hER (Val400).

abl moiety is a kinase-defective point mutant (K290M: conserved motif VAVK in active site is mutated to VAVM).

Reporter gene

Promoter, MLV 5' and 3' LTR. TK promoter driving neo.
splice,
PolyA

Comments

Reference for pMV7: Kirschmeier et al. (1988) DNA 7, 219-225.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 31.8.92

Constructed by Louvion Jean-François

Date constructed august 92

PLASMID NAME

pHCA/GAL4(93).VP16 + 3xstop

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

other relevant source constructs

Inserts DNA binding domain of yeast GAL4 (NH2 terminus 93 amino acids) fused to transcriptional activation domain of VP16 + stop codon in three reading frame.

Reporter gene

Promoter,
splice,
PolyA

Comments No unique site for insertion with the opportunity to have 3 stop codons.

Reference Louvion et al. (1993) Gene 131, 129-134

DIDIER PICARD LAB, University of Geneva

Construct number

138

Date entered

17.9.92

Constructed by

Pierre-André Briand

Date constructed

9 / 92

PLASMID NAME

G46NZ

bacterial marker Amp

parent vector

OVEC-1

bacterial plasmid

pUC

other relevant source constructs

G46TNZ, G4NZ

Inserts nuclear localization signal of SV40 T-antigen, fused to β -galactosidase.

Reporter gene lacZ

Promoter,
splice,
PolyA

- synthetic 46mer GRE (dimer of footprint 1.5 of MMTV LTR) upstream of rabbit β -globin ATA box.
- IVS2 and polyA from rabbit β -globin.

Comments β -globin 3' flanking sequence as in OVEC.
pUC sequence can be cut off with HindIII.

Reference for OVEC-1: Westin et al. (1987) NAR **15**, 6787-6798.

Construct number

139

Date entered

12.1.94

Constructed by

C. Dickson

Date constructed

PLASMID NAME

pKR1B-Lac4-1

bacterial marker

Amp+Kan

parent vector

pKR1B

bacterial plasmid

other relevant source constructs

Inserts

LAC 4 (β -galactosidase) and LAC12 (lactose permease) gene from *Kluyveromyces lactis*

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference PNAS (1985) 82: 7909-7913

DIDIER PICARD LAB, University of Geneva

Construct number

141

Date entered

1.10.92

Constructed by

Catherine FANKHAUSER

Date constructed

1.05.1992

PLASMID NAME

Z.M767.G583

bacterial marker Amp

parent vector

VALO

bacterial plasmid

pSP64

other relevant source constructs

Z.MR, PC7/M767.G583

Inserts

β -Gal fused to rMR from Z-MR

HBD rMR fused to HBD rGR from PC7/M767.G583

Reporter gene

Promoter, SV40 enhancer, human α 1-globin promoter
splice, rabbit β -globin IVS2
PolyA rabbit β -globin poly A site

Comments

Reference for VALO : Picard and Yamamoto, EMBO J., 6, 3333-3340 (1987)

DIDIER PICARD LAB, University of Geneva

Construct number

142

Date entered

1.10.92

Constructed by

Catherine FANKHAUSER

Date constructed

1.05.1992

PLASMID NAME

Z.M804.G620

bacterial marker Amp

parent vector

VALO

bacterial plasmid

pSP64

other relevant source constructs

Z.MR, PC7/M804.G620,

Inserts

β -Gal fused to rMR from Z-MR

HBD rMR fused to HBD rGR from PC7/M804.G620

Reporter gene

Promoter,
splice,
PolyA

SV40 enhancer, human α -1 globin

rabbit β -globin IVS2

rabbit β -globin poly A site

Comments

Reference

For VALO : Picard and Yamamoto, EMBO J., 6, 3333-3340, (1987)

DIDIER PICARD LAB, University of Geneva

Construct number

143

Date entered

1.10.92

Constructed by

Catherine FANKHAUSER

Date constructed

1.05.1992

PLASMID NAME

Z.M829.G646

bacterial marker Amp

parent vector

VAO

bacterial plasmid

sP64

other relevant source constructs

PC7/GMC, Z.MR

Inserts

β -Gal fused to rMR from Z-MR

HBD rMR fused to HBD rGR from PC7/M829.G646

Reporter gene

Promoter, SV40 enhancer, human α -1 globin promoter
splice, rabbit β -globin IVS2
PolyA rabbit β -globin poly A site

Comments

Reference for VAO : Picard and Yamamoto, EMBO J., 6, 3333-3340 (1987)

DIDIER PICARD LAB, University of Geneva

Construct number

144

Date entered

1.10.92

Constructed by

Catherine FANKHAUSER

Date constructed

1.05.1992

PLASMID NAME

Z.M886.G702

bacterial marker Amp

parent vector

VAO

bacterial plasmid

sP64

other relevant source constructs

PC7/GMC, Z.MR, PC7/M886.G702

Inserts

β -Gal fused to rMR from Z-MR

HBD rMR fused to HBD rGR from PC7/M886.G702

Reporter gene

Promoter, SV40 enhancer, human α -1 globin promoter
splice, rabbit β -globin IVS2
PolyA rabbit β -globin poly A site

Comments

Reference for VAO : Picard and Yamamoto, EMBO J. , 6, 3333-3340 (1987)

DIDIER PICARD LAB, University of Geneva

Construct number

145

Date entered

1.10.92

Constructed by

Catherine FANKHAUSER

Date constructed

1.05.1992

PLASMID NAME

Z.M928.G745

bacterial marker Amp

parent vector

VAO

bacterial plasmid

sP64

other relevant source constructs

Z.MR, PC7/GMC, PC7/M928.G745

Inserts

β -Gal fused to rMR from Z-MR

HBD rMR fused to HBD rGR from PC7/M928.G745

Reporter gene

Promoter, SV40 enhancer, human α -1 globin promoter
splice, rabbit β -globin IVS2
PolyA rabbit β -globin poly A site

Comments

Reference for VAO : Picard and Yamamoto, EMBO J., 6, 3330-3340 (1987)

Construct number

146

Date entered

23.10.92

Constructed by

Joe Curran (Kolakofsky lab)

Date constructed

23.10.1992

PLASMID NAME

pSC11 CMV

bacterial marker Amp

eucaryotic replicon SV40

parent vector

pSTC GR X-556

bacterial plasmid

pSP65

other relevant source constructs

Inserts

Reporter gene

Promoter, - human CMV enhancer / promoter, from -522 to 72.
splice, - rabbit β -globin IVS2 and polyA.
PolyA

Comments

Reference pSTC GR X-556 from Rusconi lab.

Construct number

147

Date entered

13.11.92

Constructed by

Errede lab

Date constructed

1990

PLASMID NAME

pNC 199

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

other relevant source constructs

Inserts

5'untranslated sequence + STE11 coding region.
Linker for **C terminal insertion** (KpnI, HpaI and BglII) (see table 4.3)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

148

Date entered

13.11.92

Constructed by

Errede lab

Date constructed

1990

PLASMID NAME

pNC 275

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

other relevant source constructs

Inserts STE11(+ myc epitope) coding region under control of GAL1/10 promoter.
Linker for **N-terminal insertion** (KpnI, HpaI and BglII) (see table 4.3)

Reporter gene

Promoter, GAL1/10
splice,
PolyA

Comments

Reference

Construct number

149

Date entered

7.12.92

Constructed by

Salvatore Oliviero (Struhl lab)

Date constructed

≤ 92

PLASMID NAME

f4

bacterial marker Amp

parent vector

pMTpn

bacterial plasmid

pUC8

other relevant source constructs

Inserts

rat c-FOS N-terminus fused to yeast GCN4 DNA binding domain (basic region and leucine zipper).

Reporter gene

Promoter, - SV40 enhancer, human metallothioneine IIa (hMTIIa) promoter
splice, - human growth hormone 3' UT sequences
PolyA

Comments FOS-GCN4 inserted as BamHI fragment

Reference Oliviero et al. (1992) Genes Dev. **6**, 1799-1809.

DIDIER PICARD LAB, University of Geneva

Construct number

150

Date entered

15.12.92

Constructed by

Maria Jaramillo

Date constructed

5.10.92

PLASMID NAME

pNEF / CIV.ER(G)

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pNEF

bacterial plasmid

pBS and BS(+)

other relevant source constructs

PJ3ΩcIV, pPLcIV(630).ER, pSP72/cFos.ER(G)

Inserts

mouse c-abl type IV (AA 1-630) fused to hormone binding domain of hER (Gly400).

Reporter gene

Promoter, human EF1a elongation factor 1 α (EF-1 α) promoter.

splice,

PolyA

- first intron from EF-1 α gene.
- SV40 poly A (in late orientation).
- plasmid contains SV40 origin (pos. 5092-128), early promoter same orientation as EF-1 α promoter.

Comments

ER(G) = wild type estrogen receptor containing Gly 400 (human).
cABL IV AA 1 to 630.

Reference

For EF-1a: N.A.R. 18, (1990), 5322.
HEGO in pSG5 from Pierre Chambon (10/91).

DIDIER PICARD LAB, University of Geneva

Construct number

152

Date entered

15.12.92

Constructed by

Maria Jaramillo

Date constructed

9.7.92

PLASMID NAME

pNEF / cfos.ER(G)

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pHMG

bacterial plasmid

other relevant source constructs

RSV/cfosER, HEGO in pS65, pPoly III-i

Inserts mouse c-fos fused to human ER hormone binding domain (Gly400).

Reporter gene

Promoter, HMGCR promoter (Hydroxy-methylglutaryl-Coenzyme A Reductase)
splice,
PolyA

Comments ER(G) = wild type estrogen receptor containing Gly 400 (human).

Reference for pHMG: Gautier et al. (1989) N.A.R 17,8389
HEGO in pSG5 from Pierre Chambon (10/91).

DIDIER PICARD LAB, University of Geneva

Construct number

153

Date entered

15.12.92

Constructed by

Maria Jaramillo

Date constructed

10.12.91

PLASMID NAME

pHMG / luciferase

bacterial marker Amp

parent vector

pHMG

bacterial plasmid

other relevant source constructs

pluci, pPoly III-i

Inserts

luciferase cDNA from Photinus pyralis

Reporter gene

Promoter,
splice,
PolyA HMGCR promoter (Hydroxy-methylglutaryl-Coenzyme A Reductase)

Comments

Reference for pHMG: Gautier et al. (1989) N.A.R Volume 17 number 20,8389

DIDIER PICARD LAB, University of Geneva

Construct number

154

Date entered

15.12.92

Constructed by

Maria Jaramillo

Date constructed

5.12.92

PLASMID NAME

pNEF/ ΔXB.ER(G)

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pNEF

bacterial plasmid

pBS and BS(+)

other relevant source constructs

PJ3ΩcIVΔXB, pPLcIV(630).ER, Hego in psg65

Inserts

mouse c-abl type IV (AA 1-630) with deletion aa72 to 126, fused to hormone binding domain of hER (Gly400).

Reporter gene

Promoter, human EF1a elongation factor 1α (EF-1α) promoter.
splice, - first intron from EF-1α gene.
PolyA - SV40 poly A (in late orientation).
- plasmid contains SV40 origin (pos. 5092-128), early promoter same orientation as EF-1α promoter.

Comments

ER(G) = wild type estrogen receptor containing Gly 400 (human).
ΔXB is activated c-ABL IV.

Reference

For EF-1a: N.A.R. 18, (1990), 5322.
HEGO in pSG5 from Pierre Chambon (10/91).

DIDIER PICARD LAB, University of Geneva

Construct number

155

Date entered

15.12.92

Constructed by

Maria Jaramillo

Date constructed

2.11.92

PLASMID NAME

pNEF / myc.ER(G)

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pNEF

bacterial plasmid

pBS and BS(+)

other relevant source constructs

pMVmyc.ER,HEGO in pSG5

Inserts

Human c-myc fused to hormone binding domain of ER (G).

Reporter gene

Promoter, human EF1a elongation factor 1 α (EF-1 α) promoter.
splice, - first intron from EF-1 α gene.
PolyA - SV40 poly A (in late orientation).
- plasmid contains SV40 origin (pos. 5092-128), early promoter same orientation as EF-1 α promoter.

Comments

Reference For EF-1a: N.A.R. 18, (1990), 5322.
For c-myc: Eilers et al. (1989) Nature 340, 66-68

DIDIER PICARD LAB, University of Geneva

Construct number

158

Date entered

18.12.92

Constructed by

Thomas Knittel

Date constructed

9/92

PLASMID NAME

pXAR(A2-B2)

old name

Xcliver clone 480/4

bacterial marker

Amp

parent vector

pSP64

bacterial plasmid

pSP64

other relevant source constructs

Inserts

Xenopus laevis androgen receptor (XAR).

PCR fragment obtained with oligo A2 (sequence CKVFFK in first finger) and oligo B2 (sequence QYSWM in HBD) with Xenopus liver cDNA -> cloned blunt end into SmaI site.

82% identity to hAR.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

159

Date entered

18.12.92

Constructed by

Thomas Knittel

Date constructed

9/92

PLASMID NAME

prGR(460-619)

bacterial marker Amp

parent vector

pSP64

bacterial plasmid

pSP64

other relevant source constructs

Inserts

rat glucocorticoid receptor AA 460-619.

PCR fragment obtained with oligo A2 (sequence CKVFFK in first finger) and oligo B2 (sequence QYSWM in HBD) with rat liver cDNA -> cloned blunt end into SmaI site.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

160

Date entered

6.1.93

Constructed by

Peter Jackson

Date constructed

≤ 92

PLASMID NAME

pPLcIV-Q5

bacterial marker Amp

parent vector

pPLcIV

bacterial plasmid

pUC13

other relevant source constructs

Inserts

full-length mouse c-abl IV.
First nuclear localization signal (around aa 625) is mutated: K5 -> Q5

no selectable marker

Reporter gene

Promoter,
splice,
PolyA MLV 5' and 3' LTR.

Comments careful: restriction map is identical to pPLcIV (wild-type) !!!

Reference for vector: EMBO 8 (1989) 449-456.
for pPL: EMBO 4 (1985) 1769-1774.

Construct number

161

Date entered

6.1.93

Constructed by

Peter Jackson

Date constructed

≤ 92

PLASMID NAME

pGEM4 cIV

bacterial marker Amp

parent vector

pGEM4

bacterial plasmid

pGEM4

other relevant source constructs

pPLcIV

Inserts mouse c-abl type IV coding region

Reporter gene

Promoter, - SP6 promoter for sense transcripts
splice, - T7 for antisense
PolyA

Comments

Reference

Construct number

162

Date entered

6.1.93

Constructed by

Peter Jackson

Date constructed

≤ 92

PLASMID NAME

pGEM4 ΔXB

bacterial marker Amp

parent vector

pGEM4

bacterial plasmid

pGEM4

other relevant source constructs

pPLΔXB

Inserts mouse c-abl type IV coding region; ΔXB variant

Reporter gene

Promoter, - SP6 promoter for sense transcripts
splice, - T7 for antisense
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.1.93

Constructed by Louvion Jean-François

Date constructed jan.93

PLASMID NAME

pLG/STE11

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pLG

bacterial plasmid

other relevant source constructs

pNC199 (STE11)

Inserts STE11 coding sequences

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase (GPD)

Comments BamHI site introduced in 5' by subcloning Hind III fragment from pNC199 in pSP65.
pNC199 Bgl II site used to clone the 3' extremity in the BamHI site of p2LG.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.1.93

Constructed by Louvion Jean-François

Date constructed jan.1993

PLASMID NAME

p2LG/STE11.ER

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

p2LG

bacterial plasmid

other relevant source constructs

pNC199
pNC199.ER

Inserts STE11 coding sequences fused in frame with sequences coding for the hormone binding domain of the human estrogen receptor (aa282-595)

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase (GPD)

Comments BamHI site introduced in 5' by subcloning Hind III fragment from pNC199 in pSP65.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.1.93

Constructed by Louvion Jean-François

Date constructed dec.1993

PLASMID NAME

pNC199.ER

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pNC199

bacterial plasmid

other relevant source constructs

Inserts STE11 coding sequences fused in frame with sequences coding for the hormone binding domain of the human estrogen receptor (aa282-595)

Reporter gene

Promoter,
splice,
PolyA

Comments Bgl II site was introduced by PCR at the 5' extremity of ER HBD and was used to fuse the HBD to STE11.
ER HBD was subcloned as a BamHI/Hind III fragment into pUC18 to locate a Kpn I site at the 3' extremity.

Reference

Construct number

168

Date entered

12.1.93

Constructed by

Thomas Munder

Date constructed

PLASMID NAME

pKS-CDC25

bacterial marker Amp

parent vector

pKS

bacterial plasmid

other relevant source constructs

Inserts

Saccharomyces cerevisiae cdc25 gene

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

169

Date entered

11.1.93

Constructed by

Didier PICARD

Date constructed

1986

PLASMID NAME

Z.540C

bacterial marker Amp

parent vector

VAO

bacterial plasmid

pSP64

other relevant source constructs

Inserts

Gr a.a. 540 to 795 (HBD) at C-terminus of β -Galactosidase

Reporter gene

Promoter, SV40 enhancer, α -globin promoter
splice, TK leader and AUG
PolyA

Comments

HBD can be cut out e.g. as 1.1 kb BamH1 fragment
HBD can be activated with 10 μ M dexamethasone

Reference

Picard and Yamamoto, EMBO J., 6, 3330-3340, (1987)

DIDIER PICARD LAB, University of Geneva

Construct number

170

Date entered

12.1.93

Constructed by

Louvion Jean-François

Date constructed

jan. 1993

PLASMID NAME

pUC/STE11 Δ N

bacterial marker

Amp

parent vector

bacterial plasmid

pUC18

other relevant source constructs

pNC199

Inserts

Sequences coding for STE11, deleted for N-terminal sequence (aa1-341)

Reporter gene

Promoter,
splice,
PolyA

Comments

STE11 sequences digested with DdeI, treated with Klenow, cut with Kpn I and introduced into pUC18 Sma I / Kpn I.

Reference

Construct number

172

Date entered

12.1.94

Constructed by

Thomas Munder

Date constructed

PLASMID NAME

pCDC25/1

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Expression vector for the Saccharomyces cerevisiae cdc25 gene

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

173

Date entered

15.1.93

Constructed by

Tiziana Mattioni

Date constructed

1/93

PLASMID NAME

pPL/cIV(630)Q5.ER

bacterial marker Amp

parent vector

bacterial plasmid

pUC13

other relevant source constructs

pPLcIV-Q5, pSP64HE14s

Inserts

mouse c-abl type IV AA 1-630 fused to the hormone binding domain of human ER (AA 282-595).
Mutation in cIV: nuclear localization signal K5 -> Q5
Mutation in hER: G400V

no selectable marker

Reporter gene

Promoter,
splice,
PolyA

MLV 5' and 3' LTR.

Comments

Reference

for vector: EMBO 8 (1989) 449-456.
for pPL: EMBO 4 (1985) 1769-1774.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 15.1.93

Constructed by Tiziana Mattioni

Date constructed 1/93

PLASMID NAME

pPL/ Δ XB(630)Q5.ER

alternative name

pPL/cIV(630) Δ XB-Q5.ER

bacterial marker Amp

parent vector

bacterial plasmid

pUC13

other relevant source constructs

pPLcIV-Q5, pSP64HE14s, pPLcIV Δ XB

Inserts

mouse c-abl IV AA 1-630 fused to the hormone binding domain of human ER (AA 282-595).

Mutation in cIV: - nuclear localization signal K5 -> Q5
- Δ XB deletion (Δ of AA 72-126)

Mutation in hER: G400V

no selectable marker

Reporter gene

Promoter, MLV 5' and 3' LTR.
splice,
PolyA

Comments

Reference for vector: EMBO 8 (1989) 449-456.
for pPL: EMBO 4 (1985) 1769-1774.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.1.93

Constructed by Louvion Jean-François

Date constructed jan 1993

PLASMID NAME

pG/STE11ΔN.ER

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2μ circle

parent vector

pG1

bacterial plasmid

other relevant source constructs

pNC199.ER
pHE14

Inserts STE11 coding sequences (deleted for N-terminal sequences, start aa:341) fused to the hER hormone binding domain (aa:282-595).

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase (GPD), constitutive promoter

Comments STE11ΔN is a constitutive form of the yeast kinase (activated in the absence of α-factor)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.1.93

Constructed by Louvion Jean-François

Date constructed jan. 1993

PLASMID NAME

pYES/STE11ΔN

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2μ circle

parent vector

pYES

bacterial plasmid

other relevant source constructs

pNC199

Inserts STE11 coding sequences (deleted for N-terminal sequences, start aa:341).

Reporter gene

Promoter, GAL1 promoter (galactose inducible)

splice,

PolyA Termination (?) sequences

Comments STE11ΔN is a constitutive form of the yeast kinase (activated is the absence of α-factor)

Reference Louvion et al. (1998). Hsp90 is required for pheromone signaling in yeast. Mol. Biol. Cell 8, 3071-3083

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.1.93

Constructed by Louvion Jean-François

Date constructed jan. 993

PLASMID NAME

pYES/STE11ΔN.ER

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2μ circle

parent vector

pYES

bacterial plasmid

other relevant source constructs

pNC199
HE14

Inserts STE11 coding sequences (deleted for N-terminal sequences, start aa:341) fused to the hER hormone binding domain (aa:282-595) containing the G400V mutation.

Reporter gene

Promoter, GAL1 promoter (galactose inducible)

splice,

PolyA Termination (?) sequences

Comments STE11ΔN is a constitutive form of the yeast kinase (activated in the absence of α-factor)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.1.93

Constructed by Louvion Jean-François

Date constructed jan. 1993

PLASMID NAME

pG/STE11

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

other relevant source constructs

pNC199

Inserts STE11 coding sequences

Reporter gene

Promoter, glyceraldehyde-3-phosphate dehydrogenase (constitutive) promoter

splice,

PolyA GPK termination sequences

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

179

Date entered

18.1.93

Constructed by

Louvion Jean-François

Date constructed

jan. 1993

PLASMID NAME

pG/STE11.ER

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

other relevant source constructs

pNC199
HE14

Inserts STE11 coding sequences (deleted for N-terminal sequences, start aa:341) fused to the hER hormone binding domain (aa:282-595).

Reporter gene

Promoter, glyceraldehyde-3-phosphate dehydrogenase (constitutive) promoter
splice,
PolyA GPK termination sequences

Comments

Reference

Construct number

180

Date entered

21.1.93

Constructed by

Anca Ghika

Date constructed

sept. 1992

PLASMID NAME

pc7/Z.G744.M929

bacterial marker Amp

parent vector

pc7

bacterial plasmid

pc7

other relevant source constructs

pc7/G744.M929. ,Z.540C

Inserts

GR AA 540-744 fused to MR AA 929-981
Beta- GAL fused to the chimeric construct mentioned above.

Reporter gene

Promoter, CMV enhancer / promoter
splice, T7 promoter
PolyA TK leader and AUG
SV40 splice and poly A

Comments

Reference

Construct number

181

Date entered

21.1.93

Constructed by

Anca Ghika

Date constructed

sept.1992

PLASMID NAME

pc7/Z.G701.M887

bacterial marker Amp

parent vector

pc7

bacterial plasmid

pc7

other relevant source constructs

pc7/G701.M887.,Z.540C

Inserts

Beta GAL fused to the chimeric construct consisting of : GR AA 540-701 fused to MR AA 887-981.

Reporter gene

Promoter, CMV enhancer / promoter
splice, T7 promoter
PolyA TK leader and AUG
SV40 splice and poly A

Comments

Reference

Construct number

Date entered 22.1.93

Constructed by Anca Ghika

Date constructed sept. 1992

PLASMID NAME

pc7/Z.G645.M830

<u>bacterial marker</u> Amp	<u>parent vector</u> pc7 <u>bacterial plasmid</u> pc7 <u>other relevant source constructs</u> Z.540C , pc7 / G645.M830.
-----------------------------	--

Inserts Beta-GAL fused to the chimeric construct consisting of GR AA 540-645 fused to MR AA 830-891.

Reporter gene

Promoter, CMV enhancer / promoter
splice, T7 promoter
PolyA TK leader and AUG
SV40 splice and poly A

Comments

Reference

Construct number

183

Date entered

22.1.93

Constructed by

Anca Ghika

Date constructed

sept.1992

PLASMID NAME

pc7 / Z.G619.M805

bacterial marker Amp

parent vector

pc7

bacterial plasmid

pc7

other relevant source constructs

Z.540C , pc7 / G619.M805.

Inserts

Beta-GAL fused to the chimeric construct consisting of GR AA 540-619 fused to MR AA 805-981.

Reporter gene

Promoter, CMV enhancer / promoter
splice, T7 promoter
PolyA TK leader and AUG
SV40 splice and poly A

Comments

Reference

Construct number

184

Date entered

26.1.93

Constructed by

Anca Ghika

Date constructed

sept.1992

PLASMID NAME

pc7/Z.G582.M768

bacterial marker Amp

parent vector

pc7

bacterial plasmid

pc7

other relevant source constructs
Z.540C , pc7 / G582.M768.

Inserts

Beta-GAL fused to the chimeric construct consisting of GR AA 540-582 fused to MR AA 768-981.

Reporter gene

Promoter, CMV enhancer / promoter
splice, T7 promoter
PolyA TK leader and AUG
SV40 splice and polyA

Comments

Reference

Construct number

185

Date entered

1.2.93

Constructed by

David D. Moore lab

Date constructed

≤ 93

PLASMID NAME

pYCGR

bacterial marker Kan

parent vector

pYC184cl

bacterial plasmid

pACYC 177

other relevant source constructs

Inserts

DNA binding domain of λ cI (aa 1-113) fused to hormone binding domain of human glucocorticoid receptor

Reporter gene

Promoter,
splice,
PolyA

- lac promoter (-35 and -10 box)
- includes SD sequence and ATG.
- stop codon in GR sequence.

Comments

confers immunity to lambda phage superinfection at 30°C.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

186

Date entered

5.11.93

Constructed by

olfa hoofd van huijsduijnen

Date constructed

08.11.93

PLASMID NAME

pUC/c-abl (IV) (163-1645)

bacterial marker Amp

parent vector

bacterial plasmid

pUC18

other relevant source constructs

pPL/cIV

Inserts abl CIV from bp 163 to 1664 using pst1

Reporter gene

Promoter,
splice,
PolyA

Comments construct contains no AUG, but coding sequence can be cut out as EcoRI fragment for in-frame fusion to β -galactosidase in λ gt11.

Reference

Construct number

188

Date entered

25.2.93

Constructed by

Härtig (Rahmsdorf lab)

Date constructed

≤1991

PLASMID NAME

phcfos -711/+45 CAT5

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Human c-fos promoter linked to the CAT gene

Reporter gene

Promoter,
splice,
PolyA

Human c-fos promoter I (-711/+45)

Comments

Reference

Härtig et al. , NAR 19, 4153 (1991)

DIDIER PICARD LAB, University of Geneva

Construct number

189

Date entered

30.3.93

Constructed by

Tiziana Mattioni

Date constructed

16/2/93

PLASMID NAME

pGM3CIV

bacterial marker Amp

parent vector

pGM3

bacterial plasmid

other relevant source constructs

pGM4CIV

Inserts mouse c-abl type IV coding region

Reporter gene

Promoter, T7 and Sp6 The sense RNA is from T7
splice,
PolyA

Comments for transcription in vitro
CIV abl full length

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

190

Date entered

30.3.93

Constructed by

Tiziana Mattioni

Date constructed

16/2/93

PLASMID NAME

pGM3 Δ XB

bacterial marker Amp

parent vector

pGM3

bacterial plasmid

other relevant source constructs

pGM4DXB

Inserts

mouse c-abl type IV coding region Δ XB variant
 Δ XB deletion (Δ of AA 72-126)

Reporter gene

Promoter,
splice,
PolyA

T7 and Sp6 The sense RNA is from T7

Comments

for transcription in vitro
DXB-abl (SH3 deletion)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

191

Date entered

30.3.93

Constructed by

Tiziana Mattioni

Date constructed

16/2/93

PLASMID NAME

pGM3CIV(K290M)

bacterial marker Amp

parent vector

pGM3

bacterial plasmid

other relevant source constructs

pMVCIV(K290M)

Inserts

mouse c-abl IV.

Kinase-defective point mutant (K290M). Conserved motif VAVK in active site is mutated to VAVM (completely inactive).

Reporter gene

Promoter,
splice,
PolyA

T7 and Sp6 The sense RNA is from T7

Comments

for transcription in vitro
CIV abl full length (kinase defective) MUTATION in position 290

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

192

Date entered

30.3.93

Constructed by

Tiziana Mattioni

Date constructed

16/2/93

PLASMID NAME

pGM3DXB(K290M)

bacterial marker Amp

parent vector

pGM3

bacterial plasmid

other relevant source constructs

pMVDXB(K290M)

Inserts

mouse c-abl type IV coding region Δ XB variant
 Δ XB deletion (Δ of AA 72-126) Kinase-defective point mutant (K290M).
Conserved motif VAVK in active site is mutated to VAVM (completely inactive).

Reporter gene

Promoter,
splice,
PolyA

T7 and Sp6 The sense RNA is from T7

Comments

for transcription in vitro
DXB-abl (SH3 deletion) MUTATION in position 290
(kinase defective)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

193

Date entered

13.4.93

Constructed by

Louvion Jean-François

Date constructed

feb.1993

PLASMID NAME

pG/STE11 Δ N(EcoICRI)

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

pUC18

other relevant source constructs

pNC199

Inserts yeast STE11 with N-terminal deletion (STE11 Δ N, aa:341-717)

Reporter gene

Promoter,
splice,
PolyA GPD (constitutive)

Comments STE11 Δ N is a constitutive mutant that leads to yeast growth arrest.
EcoICRI is a neoschisomere of SacI.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.4.93

Constructed by Louvion Jean-François

Date constructed FEB.1993

PLASMID NAME

pG/STE11.GR

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

pUC18

other relevant source constructs

pNC199

Inserts yeast STE11 fused to the rGR hormone binding domain (aa:512-795)

Reporter gene

Promoter,
splice,
PolyA GPD (constitutive)

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

195

Date entered

13.4.93

Constructed by

Louvion Jean-François

Date constructed

feb.1993

PLASMID NAME

pG/STE11 Δ N.GR

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

pUC18

other relevant source constructs

pNC199

Inserts yeast STE11 with N-terminal deletion (STE Δ N, aa:341-717) fused to the rGR hormone binding domain (aa:512-795)

Reporter gene

Promoter, GPD (constitutive)
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.4.93

Constructed by Louvion Jean-François

Date constructed feb. 1993

PLASMID NAME

pG/STE11.MR

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

pUC18

other relevant source constructs

pNC199

Inserts yeast STE11 fused to the rMR hormone binding domain (aa: 685-981)

Reporter gene

Promoter,
splice,
PolyA yeast GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

197

Date entered

13.4.93

Constructed by

Louvion Jean-François

Date constructed

feb. 1993

PLASMID NAME

pG/STE11 Δ N.MR

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

pUC18

other relevant source constructs

pNC199

Inserts

yeast STE11 with N-terminal deletion (STE11 Δ N, aa: 341-717) fused to the rMR hormone binding domain (aa:685-981)

Reporter gene

Promoter,
splice,
PolyA yeast GPD (constitutive)

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 198

Date entered 17.5.93

Constructed by Louvion Jean-François

Date constructed may 1993

PLASMID NAME

p2U

bacterial marker Amp	parent vector pRS306
yeast marker URA3	bacterial plasmid pBLUESCRIPT
eucaryotic replicon 2 μ circle	other relevant source constructs

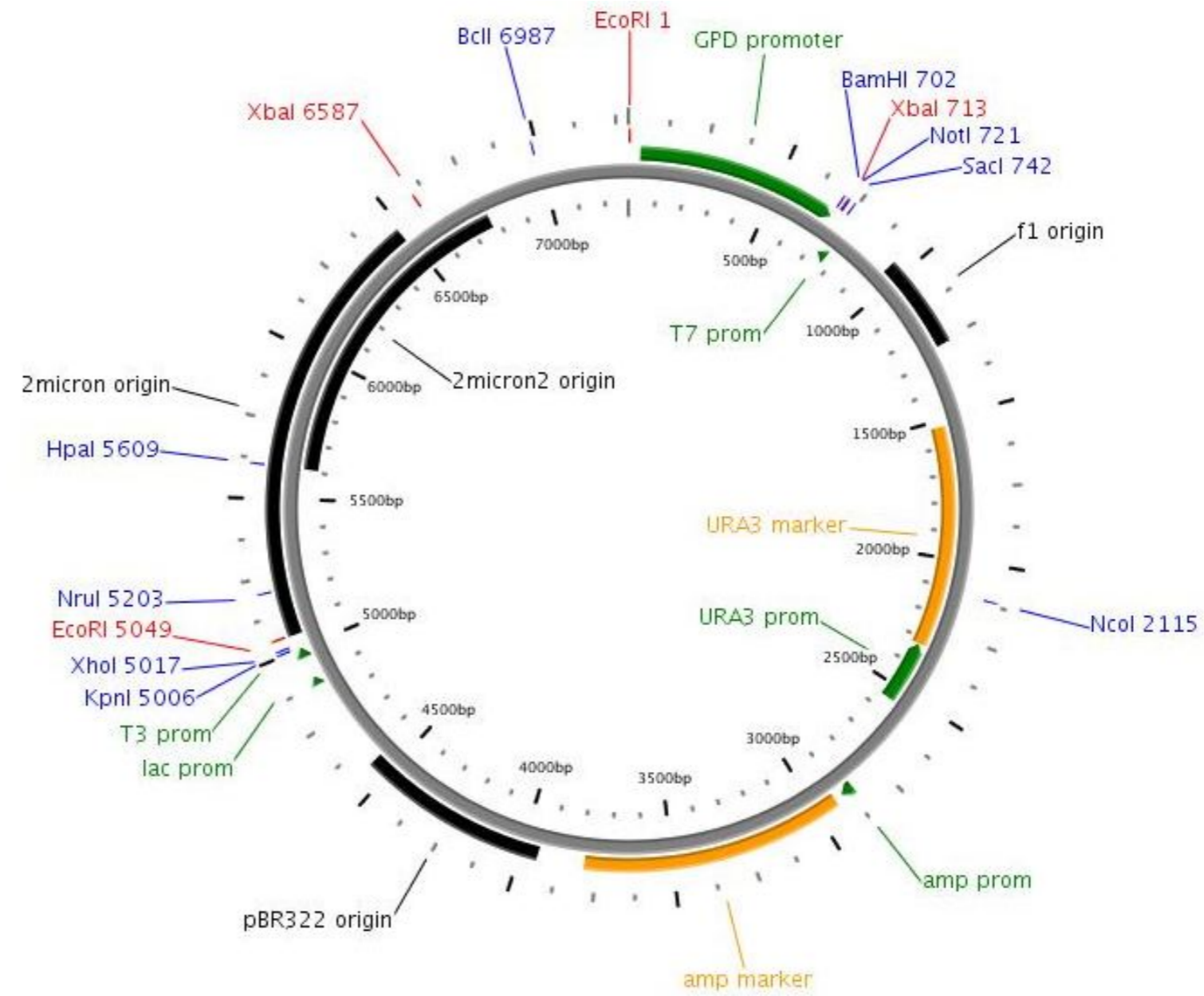
Inserts 2 μ circle and glyceraldehyde-3-phosphate dehydrogenase promoter

Reporter gene

Promoter, splice, PolyA GPD

Comments sequence available

Reference for pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.
for p2U: Palmer et al. (1995) Mol. Biochem. Parasitology 70, 199-202.



DIDIER PICARD LAB, University of Geneva

Construct number

199

Date entered

17.5.93

Constructed by

Louvion Jean-François

Date constructed

mai 1993

PLASMID NAME

p2U/STE11 Δ N.ER

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pNC199 (STE11)

HE14

Inserts

STE11 (deleted for N-terminal sequence, start; aa341) fused in frame with the hormone binding domain of hER (aa:282-595)

Reporter gene

Promoter,
splice,
PolyA GPD (glyceraldehyde-3-phosphate-dehydrogenase)

Comments

STE11 Δ N is a constitutive form of the yeast kinase (activated in the absence of the pheromone)

Reference

pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

200

Date entered

17.5.93

Constructed by

Louvion Jean-François

Date constructed

mai 1993

PLASMID NAME

p2U/STE11 Δ N.GR

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pNC199

Inserts

STE11 (deleted for N-terminal sequence, start; aa341) fused in frame with the hormone binding domain of rGR (aa:512-795)

Reporter gene

Promoter,
splice,
PolyA GPD (glyceraldehyde-3-phosphate-dehydrogenase)

Comments

STE11 Δ N is a constitutive form of the yeast kinase (activated in the absence of the pheromone)

Reference

pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

201

Date entered

17.5.93

Constructed by

Louvion Jean-François

Date constructed

mai 1993

PLASMID NAME

p2U/STE11ΔN.MR

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2μ circle

parent vector

p2U

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pNC199

Inserts

STE11 (deleted for N-terminal sequence, start; aa341) fused in frame with the hormone binding domain of rMR (685-981)

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

STE11ΔN is a constitutive form of the yeast kinase (activated in the absence of the pheromone)

Reference

pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

Construct number 202

Date entered 17.5.93

Constructed by Louvion Jean-François

Date constructed mai 1993

PLASMID NAME

p2U/hsp82

<u>bacterial marker</u> Amp	<u>parent vector</u> p2U
<u>yeast marker</u> URA3	<u>bacterial plasmid</u> pBLUESCRIPT
<u>eucaryotic replicon</u> 2μ circle	<u>other relevant source constructs</u> pTT8

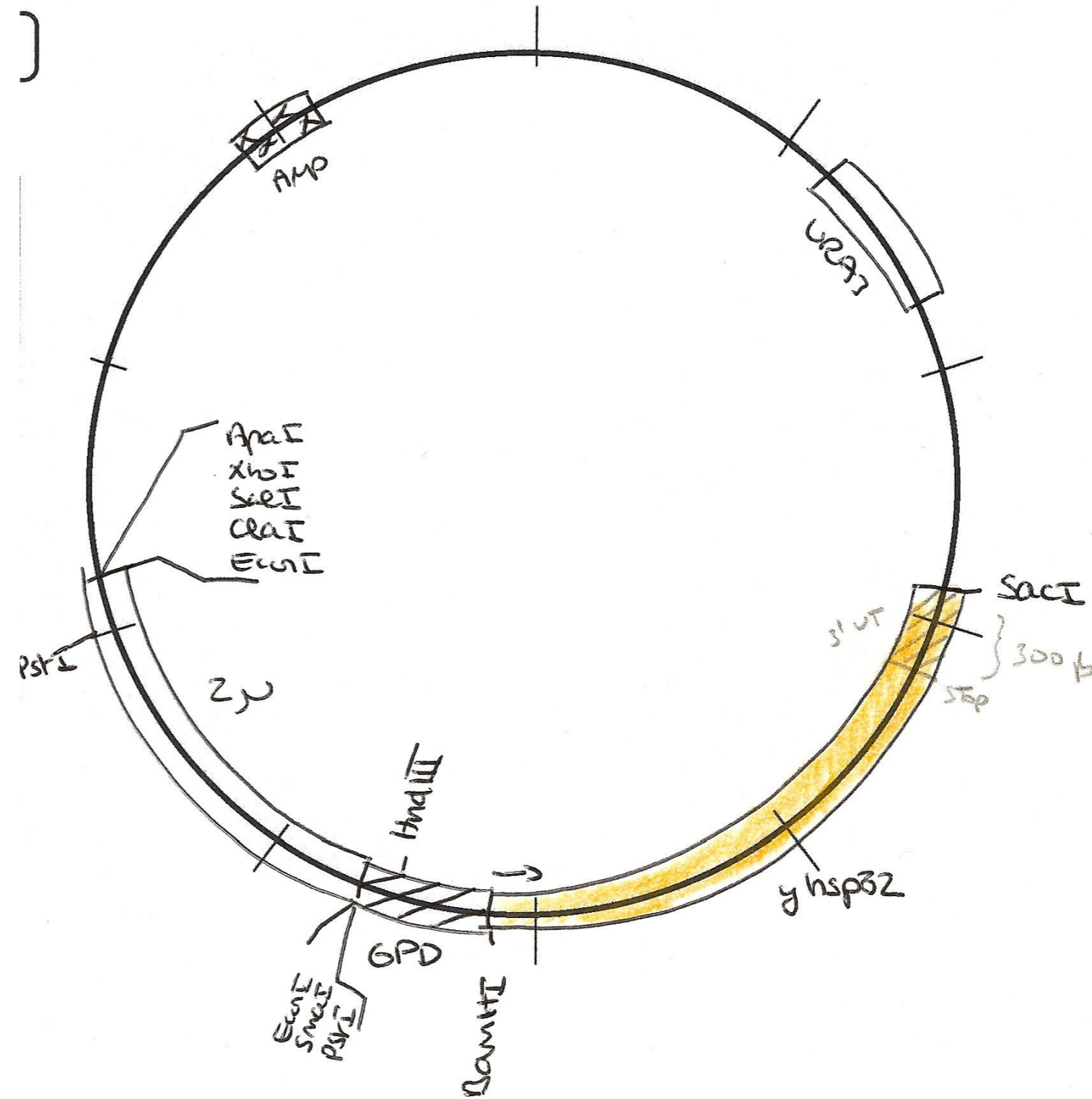
Inserts yeast hsp82

Reporter gene

Promoter, splice, PolyA GPD

Comments - sequence available

Reference - pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27
- this construct: Louvion, J.-F., Warth, R. & Picard, D. (1996). Proc. Natl. Acad. Sci. USA, 93, 13937-13942.



DIDIER PICARD LAB, University of Geneva

Construct number

203

Date entered

17.5.93

Constructed by

Louvion Jean-François

Date constructed

mars 1993

PLASMID NAME

p2HG/STE11 Δ N.ER

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pNC199

HE14

Inserts

STE11 (deleted for N-terminal sequence, start; aa341) fused in frame with the hormone binding domain of hER (282-595)

Reporter gene

Promoter,
splice,
PolyA GPD (glyceraldehyde-3-phosphate-dehydrogenase)

Comments

Reference pRS303: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

204

Date entered

17.5.93

Constructed by

Louvion Jean-François

Date constructed

mars 1993

PLASMID NAME

p2HG/STE11 Δ N.GR

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pNC199

Inserts

STE11 (deleted for N-terminal sequence, start; aa341) fused in frame with the hormone binding domain of rGR (aa:512-795)

Reporter gene

Promoter,
splice,
PolyA GPD (glyceraldehyde-3-phosphate-dehydrogenase)

Comments

Reference pRS303: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

205

Date entered

17.5.93

Constructed by

Louvion Jean-François

Date constructed

mars 1993

PLASMID NAME

p2HG/STE11 Δ N.MR

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pNC199

Inserts

STE11 (deleted for N-terminal sequence, start; aa341) fused in frame with the hormone binding domain of rMR (685-981)

Reporter gene

Promoter,
splice,
PolyA GPD (glyceraldehyde-3-phosphate-dehydrogenase)

Comments

Reference pRS303: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

206

Date entered

25.5.93

Constructed by

Louvion Jean-François

Date constructed

mai 1993

PLASMID NAME

pG/ Δ XB.ER

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

pUC18

other relevant source constructs

pPlcIV(630).ER

Inserts

mouse c-abl IV Δ XB (aa:1-630, Δ aa:72-126) fused to the hormone binding domain of hER val400 (282-595).

Reporter gene

Promoter, GPD promoter (glyceraldehyde-3-phosphate-dehydrogenase)
splice, GPK terminator
PolyA

Comments

Reference pG1: Schena et al. (1991) Methods Enzym. 194:389-398.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 31.5.93

Constructed by Louvion Jean-François

Date constructed mai 1993

PLASMID NAME

p2LG/hER

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

p2LG

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pRS305

Inserts hER (val400)

Reporter gene

Promoter,
splice,
PolyA GPD (glyceraldehyde-3-phosphate-dehydrogenase)

Comments

Reference pRS305: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

208

Date entered

31.5.93

Constructed by

Louvion Jean-François

Date constructed

mai 1993

PLASMID NAME

pG/cIV(630)

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

pUC18

other relevant source constructs

Inserts mouse c-abl IV (aa:1-630)

Reporter gene

Promoter, GPD (glyceraldehyde-3-phosphate-dehydrogenase)
splice, GPK terminator
PolyA

Comments

Reference pG1: Schena et al. (1991) Methods Enzym. 194:389-398.

DIDIER PICARD LAB, University of Geneva

Construct number

209

Date entered

31.5.93

Constructed by

Louvion Jean-François

Date constructed

mai 1993

PLASMID NAME

pG/ Δ XB(630)

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

pUC18

other relevant source constructs

Inserts mouse c-abl IV Δ XB

Reporter gene

Promoter, GPD (glyceraldehyde-3-phosphate-dehydrogenase)
splice, GPK terminator
PolyA

Comments

Reference pG1: Schena et al. (1991) Methods Enzym. 194:389-398.

Construct number

210

Date entered

17.6.93

Constructed by

S. BOHEN (YAMAMOTO LAB)

Date constructed

PLASMID NAME

pTCA/hsp82 wt

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pRS314

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

Inserts yeast HSP82 wild-type coding sequences

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate-dehydrogenase promoter (GPD)
(constitutive)

Comments

Reference

Construct number

211

Date entered

17.6.93

Constructed by

S. BOHEN (YAMAMOTO LAB)

Date constructed

PLASMID NAME

pTCA/hsp82 G313N

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pRS314

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

Inserts yeast HSP82 **G313N** coding sequences

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate-dehydrogenase promoter (constitutive)

Comments

Reference

Construct number

212

Date entered

17.6.93

Constructed by

S. BOHEN (YAMAMOTO LAB)

Date constructed

PLASMID NAME

pTCA/hsp82 E431K

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pRS314

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

Inserts yeast HSP82 **E431K** coding sequences

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate-dehydrogenase promoter (constitutive)

Comments

Reference

Construct number

213

Date entered

17.6.93

Constructed by

S. BOHEN (YAMAMOTO LAB)

Date constructed

PLASMID NAME

pTCA/hsp82 T525I

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pRS314

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

Inserts yeast HSP82 **T525I** coding sequences

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate-dehydrogenase promoter (constitutive)

Comments

Reference

Construct number

214

Date entered

17.6.93

Constructed by

S. BOHEN (YAMAMOTO LAB)

Date constructed

PLASMID NAME

pTCA/hsp82 A576T-R579K

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pRS314

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

Inserts yeast HSP82 **A576T-R579K** coding sequences

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate-dehydrogenase promoter (constitutive)

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

215

Date entered

17.6.93

Constructed by

Louvion Jean-François

Date constructed

june 1993

PLASMID NAME

pG/hER

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

pUC18

other relevant source constructs

Inserts hER (val400)

Reporter gene

Promoter,
splice,
PolyA GPD promoter + GPK terminator

Comments

Reference - pG1: Schena et al. (1991) Methods in Enzym. 194: 389-398.
- this construct: Louvion, J.-F., Warth, R. & Picard, D. (1996). Proc. Natl. Acad. Sci. USA, 93, 13937-13942.

DIDIER PICARD LAB, University of Geneva

Construct number

216

Date entered

17.6.93

Constructed by

Louvion Jean-François

Date constructed

june 1993

PLASMID NAME

pG/N525

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

pUC18

other relevant source constructs

Inserts rGR aa: 1-525 (constitutive form of the steroid receptor)

Reporter gene

Promoter,
splice,
PolyA GPD promoter + GPK terminator

Comments

Reference pG1: Schena et al. (1991) Methods in Enzym. 194: 389-398.

DIDIER PICARD LAB, University of Geneva

Construct number

217

Date entered

17.6.93

Constructed by

Louvion Jean-François

Date constructed

may 1993

PLASMID NAME

p2LG/N795

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pRS305

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

Inserts rGR coding sequences

Reporter gene

Promoter, GPD promoter (constitutive)
splice,
PolyA

Comments

Reference pRS305 : Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

218

Date entered

18.6.93

Constructed by

Louvion Jean-François

Date constructed

june 1993

PLASMID NAME

pYES/cIV.GR

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES

bacterial plasmid

other relevant source constructs

pPLcIV.GR
pJ3 cIV

Inserts abl c-IV (aa. 1-630) fused in frame with the hormone binding domain of rGR (aa: 512-795).

Reporter gene

Promoter, GAL1 + terminator
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

219

Date entered

18.6.93

Constructed by

Louvion Jean-François

Date constructed

june 1993

PLASMID NAME

pYES/ Δ XB.GR

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES

bacterial plasmid

other relevant source constructs

pPLcIV.GR
pJ3 Δ XB

Inserts abl Δ XB (aa. 1-630 with Δ aa:72-126) fused in frame with the hormone binding domain of rGR (aa: 512-795).

Reporter gene

Promoter, GAL1 + terminator
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

220

Date entered

19.6.93

Constructed by

Louvion Jean-François

Date constructed

june 1993

PLASMID NAME

pYES/STE11 Δ N.MR

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES

bacterial plasmid

other relevant source constructs

pNC199

Inserts yeast STE11 with N-terminal deletion (STE11 Δ N, aa: 341-717) fused to the rMR hormone binding domain (aa:685-981)

Reporter gene

Promoter, GAL1 + terminator
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 21.6.93

Constructed by Louvion Jean-François

Date constructed june 1993

PLASMID NAME

pYES/cIV.ER

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES

bacterial plasmid

other relevant source constructs

pPLcIV.ER

Inserts mouse c-abl IV Δ XB (aa:1-630) fused to the hormone binding domain of hER val400 (aa:282-595).

Reporter gene

Promoter, GAL1 + terminator
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

222

Date entered

21.6.93

Constructed by

Louvion Jean-François

Date constructed

june 1993

PLASMID NAME

pYES/ Δ XB.ER

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES

bacterial plasmid

other relevant source constructs

pPL Δ XB.ER

Inserts

mouse c-abl IV Δ XB (aa:1-630, Δ aa:72-126) fused to the hormone binding domain of hER val400 (aa:282-595).

Reporter gene

Promoter,
splice,
PolyA GAL1 + terminator

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

223

Date entered

22.6.93

Constructed by

Jaramillo

Date constructed

1.5.93

PLASMID NAME

pNEF / β gal.GR

bacterial marker Amp

parent vector

VALdHR(=Z.407C)

bacterial plasmid

psp64

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts β -galactosidase fused to DNA binding domain of rGR(AA 407 to795).

Reporter gene

Promoter, human EF1a elongation factor 1 α (EF-1 α) promoter.
splice, - first intron from EF-1 α gene.
PolyA - SV40 poly A (in late orientation).
- plasmid contains SV40 origin (pos. 5092-128), early promoter same orientation as EF-1 α promoter.

Comments

Reference For EF-1a: N.A.R. 18, (1990), 5322.
For β -galactosidase fusion: Picard and Yamamoto (1987) EMBO J. 6,3333-3340.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.6.93

Constructed by Jaramillo

Date constructed

PLASMID NAME

pNEF / CIV(Q5).ER(G)

bacterial marker Amp

parent vector

bacterial plasmid
pBS and BS(+)

other relevant source constructs
PJ3 Ω cIV, pPL/cIV(630)Q5.ER
HEGO in PSG5

eucaryotic replicon SV40 ori

Inserts mouse c-abl type IV (AA 1-630) , fused to hormone binding domain of hER (AA 282-595).
Mutation in cIV: nuclear localization signal K5 -> Q5
Mutation in hER: G400V

Reporter gene

Promoter, human EF1a elongation factor 1 α (EF-1 α) promoter.
splice, - first intron from EF-1 α gene.
PolyA - SV40 poly A (in late orientation).
- plasmid contains SV40 origin (pos. 5092-128), early promoter same orientation as EF-1 α promoter.

Comments

Reference For EF-1a: N.A.R. 18, (1990), 5322.

DIDIER PICARD LAB, University of Geneva

Construct number

225

Date entered

22.6.93

Constructed by

Jaramillo

Date constructed

PLASMID NAME

pNEF / ΔXB(Q5).ER(G)

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts

mouse c-abl IV AA 1-630 fused to the hormone binding domain of human ER (AA 282-595).
Mutation in cIV: - nuclear localization signal K5 -> Q5
- ΔXB deletion (Δ of AA 72-126)

Reporter gene

Promoter, human EF1a elongation factor 1α (EF-1α) promoter.
splice, - first intron from EF-1α gene.
PolyA - SV40 poly A (in late orientation).
- plasmid contains SV40 origin (pos. 5092-128), early promoter same orientation as EF-1α promoter.

Comments

Reference For EF-1a: N.A.R. 18, (1990), 5322.

DIDIER PICARD LAB, University of Geneva

Construct number

226

Date entered

22.6.93

Constructed by

Jaramillo

Date constructed

PLASMID NAME

pNEF / DXB(Q5).ER

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts

mouse c-abl IV AA 1-630 fused to the hormone binding domain of human ER (AA 282-595).
Mutation in cIV: - nuclear localization signal K5 -> Q5
- ΔXB deletion (Δ of AA 72-126)
Mutation in hER: G400V

Reporter gene

Promoter, human EF1a elongation factor 1α (EF-1α) promoter.
splice, - first intron from EF-1α gene.
PolyA - SV40 poly A (in late orientation).
- plasmid contains SV40 origin (pos. 5092-128), early promoter same orientation as EF-1α promoter.

Comments

Reference For EF-1a: N.A.R. 18, (1990), 5322.

DIDIER PICARD LAB, University of Geneva

Construct number

227

Date entered

12.7.93

Constructed by

Louvion Jean-François

Date constructed

june 993

PLASMID NAME

pYES/STE11 Δ N.GR

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES

bacterial plasmid

other relevant source constructs

pNC199

Inserts yeast STE11 with N-terminal deletion (STE Δ N, aa:341-717) fused to the rGR hormone binding domain (aa:512-795)

Reporter gene

Promoter, GAL1 promoter (galactose inducible)
splice,
PolyA Termination (?) sequences

Comments STE11 Δ N is a constitutive form of the yeast kinase (activated is the absence of α or a-factor)

Reference

Construct number

228

Date entered

19.7.93

Constructed by

White lab

Date constructed

PLASMID NAME

pGRE5-1

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

pAL10

Inserts polylinker for insertion of cDNAs downstream of GRE-TATA box.

Reporter gene

Promoter,
splice,
PolyA

- 5xGRE (head-to-tail pentamer of 35 bp rat TAT GRE)
- Ad2 major late promoter TATA box.
- rabbit β -globin intron 2 (from natural BamHI to EcoRI sites; EcoRI site removed)
- SV40 polyA

Comments

- see also pGRE5-2
- plasmid can be cut away with XbaI.

Reference Mader and White (1993) PNAS 90, 5603-5607.

Construct number

229

Date entered

19.7.93

Constructed by

White lab

Date constructed

PLASMID NAME

pGRE5-2

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

pAL10

Inserts polylinker for insertion of cDNAs downstream of GRE-TATA box.

Reporter gene

Promoter,
splice,
PolyA

- 5xGRE (head-to-tail pentamer of 35 bp rat TAT GRE)
- Ad2 major late promoter TATA box.
- rabbit β -globin intron 2 (from natural BamHI to EcoRI sites; EcoRI site removed)
- SV40 polyA

Comments

- see also pGRE5-1
- plasmid can be cut away with XbaI.

Reference Mader and White (1993) PNAS 90, 5603-5607.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.7.93

Constructed by Louvion Jean-François

Date constructed june 93

PLASMID NAME

pYES/STE11ΔN.GR (506)

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2μ circle

parent vector

pYES

bacterial plasmid

other relevant source constructs

pNC199

Inserts yeast STE11 with N-terminal deletion (STE11ΔN, aa:341-717) fused to the rGR hormone binding domain (aa:506-795)

Reporter gene

Promoter, GAL1 promoter (galactose inducible)

splice,
PolyA Termination (?) sequences

Comments STE11ΔN is a constitutive form of the yeast kinase (activated is the absence of α or a-factor)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

231

Date entered

20.7.93

Constructed by

Louvion Jean-François

Date constructed

jun 1993

PLASMID NAME

pSP70/GAL4

bacterial marker Amp

parent vector

pSP70

bacterial plasmid

other relevant source constructs

GG22

Inserts

GAL4 coding sequences (Bgl II restriction site introduced, stop codon elimination)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference GG22: Gill and Ptashne Cell (1987), 51: 121-126.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.93

Constructed by Didier Picard

Date constructed 4.8.93

PLASMID NAME

pGRE5/NZ

bacterial marker Amp

parent vector

pGRE5-1

bacterial plasmid

? (yield o.k.)

other relevant source constructs

GBNZ

Inserts β -galactosidase with nuclear localization signal of SV40 T-antigen at N-terminus

Reporter gene

Promoter,
splice,
PolyA

- 5xGRE (head-to-tail pentamer of 35 bp rat TAT GRE)
- Ad2 major late promoter TATA box.
- rabbit β -globin intron 2 (from natural BamHI to EcoRI sites; EcoRI site removed)
- SV40 polyA

Comments - plasmid can be cut away with XbaI.

Reference for pGRE5-1: Mader and White (1993) PNAS 90, 5603-5607.

Construct number

235

Date entered

27.8.93

Constructed by

J. S. Cox (P. Walter lab)

Date constructed

PLASMID NAME

pCS110

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pRS314

bacterial plasmid

other relevant source constructs

Inserts

IRE1 coding sequences + IRE1 promoter region

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

pSC110: Cell (1993) 73: 1197-1206.

pRS314: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

Construct number

236

Date entered

8.9.93

Constructed by

Pier Giuseppe Pelicci

Date constructed

1992

PLASMID NAME

L-SHCSN

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

LXSN

bacterial plasmid

pBR322

other relevant source constructs

Inserts

SHC complete sequence inserted at the EcoRI-XbaI sites of the vector LXSN as EcoI-PvuII

Reporter gene

Promoter, 5'MoMSV LTR, 3'MoMLV for the insert
splice, SV40 for Neo
PolyA

Comments

Reference Cell, Vol. 70, 93-104, July 10 1992

DIDIER PICARD LAB, University of Geneva

Construct number

237

Date entered

28.1.94

Constructed by

olfa Hooft van Huijsduijnen

Date constructed

28-01-94

PLASMID NAME

Gem3- Δ XB -R171k -HA

bacterial marker Amp

parent vector

pPL- Δ XB-R171-HA

bacterial plasmid

pGEMINI 3

other relevant source constructs

Inserts

Δ XB-R171K and tag (influenza HA tag),
 Δ XB= C-abl with mutation in SH3 domain, aa72-126.

Reporter gene

Promoter,
splice,
PolyA

T7

Comments

R171K IS A MUTATION IN THE SH2 domain, aa163-179.

Reference

Mol and Cell. Biology (1992) vol. 12 n. 2 pp. 609-618.

DIDIER PICARD LAB, University of Geneva

Construct number

238

Date entered

28.1.94

Constructed by

Gaby Palmer

Date constructed

jan 94

PLASMID NAME

pG1/flu htpG-hsp82 chim. 1

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

pUC

other relevant source constructs

p2U/flu htpG(2-208)-hsp82(208-end)
pTT8

Inserts

E.Coli htpG coding sequence from a.a. 2 to 208 fused to a.a 208-709 of yeast hsp 82.
9 a.a. flu epitope on N terminus

Reporter gene

Promoter,
splice,
PolyA Constitutive GPD promoter

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

239

Date entered

28.1.94

Constructed by

Gaby Palmer

Date constructed

dec 94

PLASMID NAME

p2G/TC hsp

bacterial marker Amp

yeast marker none

eucaryotic replicon 2 μ circle

parent vector

p2G

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/TC hsp

Inserts Trypanosoma cruzi hsp83 coding sequence

Reporter gene

Promoter,
splice,
PolyA Constitutive GPD promoter

Comments

Reference for original TC source: Dragon E.A., et al., Mol. Cell.Biol.,7;1271-1275, 1987

DIDIER PICARD LAB, University of Geneva

Construct number

241

Date entered

10.9.93

Constructed by

Louvion Jean-François

Date constructed

11.91

PLASMID NAME

pHCA/GAL4(1-93).GR.VP16

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pSCTEV-GAL4(1-93)

pSJT1193CRF1 (S.Triezenberg)

Inserts

yeast GAL4 DNA binding domain (NH2-terminal 93 amino acids) fused to the hormone binding domain of rat GR (amino acids 512-795) fused to transcriptional activator VP16 (AA 424-490).

Reporter gene

Promoter, ADH1 promoter (constitutive)
splice,
PolyA

Comments

The fusion protein can be transcriptionally activated by addition of 10 μ M of the synthetic glucocorticoid deacetylcortivazol (DAC; from 10 mM stock in ethanol).

Reference

- for parent plasmid pRS313: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.
- ADH promoter from pGG22 Gill and Ptashne, 1987, Cell 51: 121-126.

Construct number

242

Date entered

1.10.93

Constructed by

Date constructed

9.91

PLASMID NAME

pYE10 hPR1A

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pYE10

bacterial plasmid

other relevant source constructs

Inserts

human progesterone receptor (B form); with yeast-specific Kozak sequence

Reporter gene

Promoter, PGK promoter (+ PGK terminator)
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 5.10.93

Constructed by Louvion Jean-François

Date constructed august 93

PLASMID NAME

pHCA/GAL4(848).ER

alternative name

GAL4(848).ER

bacterial marker Amp	parent vector pRS313
yeast marker HIS3	bacterial plasmid pBLUESCRIPT
eucaryotic replicon CEN/ARS	other relevant source constructs pGG22

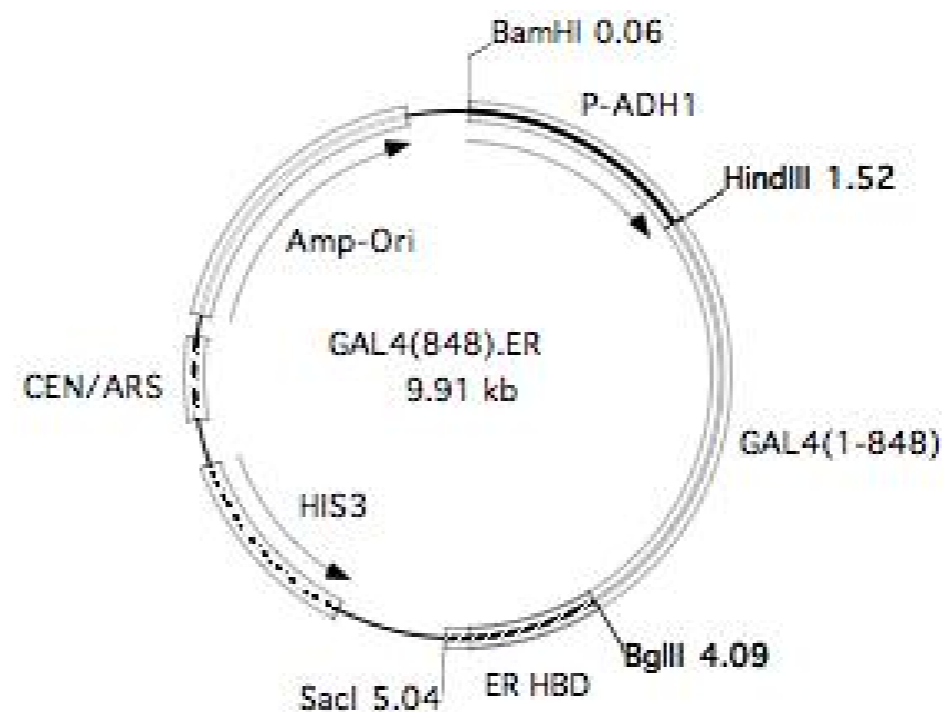
Inserts GAL4 coding sequences (1-848) fused in frame with the hormone binding domain of hER (282-595).

Reporter gene

Promoter, splice, PolyA ADH promoter (constitutive)

Comments - deposited in Addgene with plasmid ID 108215

Reference pRS313: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.
ADH promoter from pGG22 Gill and Ptashne, 1987, Cell 51: 121-126.
Ref. for plasmid itself: Picard, D. (1999). In Nuclear receptors: a practical approach D. Picard, ed., Vol. 207 (Oxford: Oxford University Press), pp. 261-274.



Plasmid name: GAL4(848).ER
Plasmid size: 9.91 kb
Constructed by: ?
Construction date: unknown

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 5.10.93

Constructed by Louvion Jean-françois

Date constructed august 93

PLASMID NAME

pHCA/GAL4(848).MR

alternative name

GAL4(848).MR

bacterial marker Amp	parent vector pRS313
yeast marker HIS3	bacterial plasmid pBLUESCRIPT
eucaryotic replicon CEN/ARS	other relevant source constructs pGG22

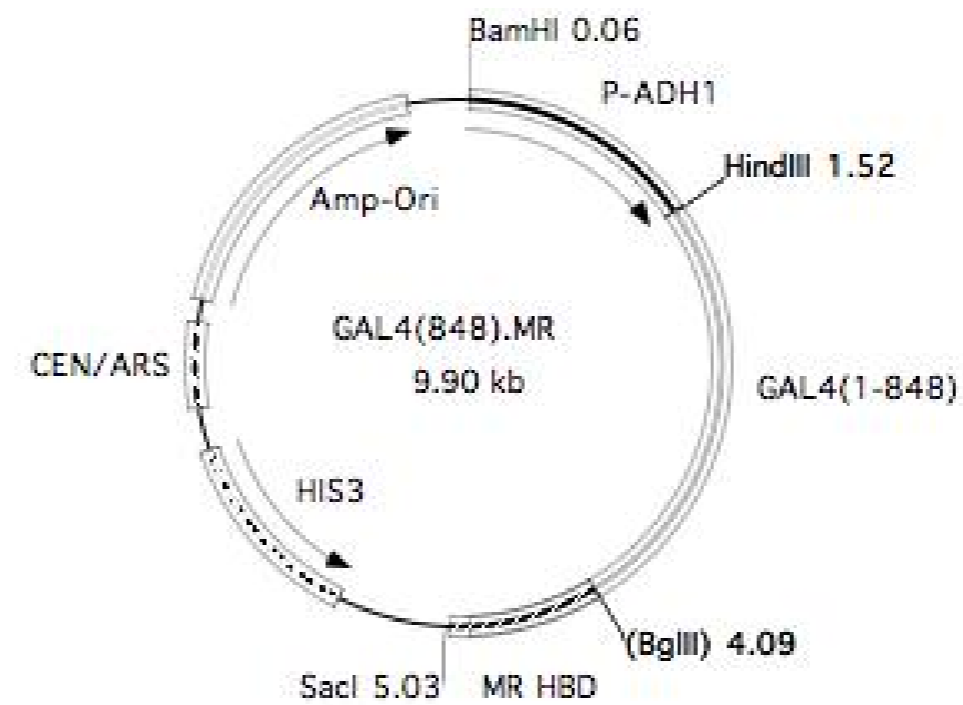
Inserts GAL4 coding sequences (1-848) fused in frame with the hormone binding domain of rMR (685-981).

Reporter gene

Promoter, splice, PolyA ADH promoter (constitutive)

Comments

Reference pRS313: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.
ADH promoter from pGG22 Gill and Ptashne, 1987, Cell 51: 121-126.
Ref. for plasmid itself: Picard, D. (1999). In Nuclear receptors: a practical approach D. Picard, ed., Vol. 207 (Oxford: Oxford University Press), pp. 261-274.



Plasmid name: GAL4(848).MR
Plasmid size: 9.90 kb
Constructed by: ?
Construction date: unknown

DIDIER PICARD LAB, University of Geneva

Construct number

246

Date entered

11.10.93

Constructed by

Louvion Jean-françois

Date constructed

august 93

PLASMID NAME

p2HA/GAL4(848).MR

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

pRS313

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pGG22

Inserts

GAL4 coding sequences (1-848) fused in frame with the hormone binding domain of rMR (685-981).

Reporter gene

Promoter, ADH promoter (constitutive)
splice,
PolyA

Comments

Reference

pRS313: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.
ADH promoter from pGG22 Gill and Ptashne, 1987, Cell 51: 121-126.

DIDIER PICARD LAB, University of Geneva

Construct number

245

Date entered

11.10.93

Constructed by

Louvion Jean-françois

Date constructed

august 93

PLASMID NAME

p2HA/GAL4(848)

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

pRS313

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pGG22

pUC18 3xstop/ GAL4(848)

Inserts GAL4 coding sequences (1-848) + triple stop

Reporter gene

Promoter, ADH promoter (constitutive)
splice,
PolyA

Comments

Reference pRS313: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.
ADH promoter from pGG22 Gill and Ptashne, 1987, Cell 51: 121-126.

DIDIER PICARD LAB, University of Geneva

Construct number

249

Date entered

20.10.93

Constructed by

Jean-François Louvion

Date constructed

dec. 1992

PLASMID NAME

pUC18/MR HBD

bacterial marker Amp

parent vector

pUC18

bacterial plasmid

other relevant source constructs

Z.MR
PG/N414.MR

Inserts Hormone binding domain (aa:685-981) of rMR

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

250

Date entered

22.10.93

Constructed by

Jean-François Louvion

Date constructed

dec. 1993

PLASMID NAME

pUC18/MR HBD

bacterial marker Amp

parent vector

pUC18

bacterial plasmid

other relevant source constructs

Z.MR
P2HG/N414.MR

Inserts Hormone binding domain (aa:685-981) of rMR

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

251

Date entered

24.10.93

Constructed by

Jean-François Louvion

Date constructed

oct. 1993

PLASMID NAME

pBSKSII/flu tag

bacterial marker Amp

parent vector

pBSKSII

bacterial plasmid

other relevant source constructs

Inserts flu epitope

Reporter gene

Promoter,
splice,
PolyA

Comments

Fragment subcloned as Sst I-EcoR IV from pBSKSII/fluBIK1
Bam HI-25 nucl. UT-ATG **GAC CCA TAC GAC GTC CCA GAC TAC GCT**
GAT AGA TAT C (EcoRV)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

252

Date entered

24.10.93

Constructed by

Jean-François Louvion

Date constructed

oct. 1993

PLASMID NAME

pSP72/flu tag

bacterial marker

Amp

parent vector

pSP72

bacterial plasmid

other relevant source constructs

Inserts

flu epitope

Reporter gene

Promoter,
splice,
PolyA

Comments

Fragment subcloned as Sst I-EcoR IV from pBSKSII/fluBIK1
Bam HI-25 nucl. UT-ATG **GAC CCA TAC GAC GTC CCA GAC TAC GCT**
GAT AGA TAT C (EcoRV) AG ATC T (Bgl2)

Reference

Construct number

253

Date entered

1.11.93

Constructed by

Etienne Principaud

Date constructed

9.1993

PLASMID NAME

pSG5(r+x)GR

bacterial marker Amp

parent vector

bacterial plasmid

pSG5

other relevant source constructs

pNEG/GR.MR, pXGR2

Inserts

Rat GR sequence, fragment EcoR1-BstX1 coming from pNEF/GR.MR linked to a BstX1-Asp718 PCR fragment (Asp718 introduced via PCR primer. The rat ORF contains aa 1 to 537 (Transactivation + DNA binding domains).

Xenopus GR sequence, fragment Asp718-EcoR1 coming from pXGR2. The ORF contains aa 537 to 795 (Hormone binding domain).

Reporter gene

Promoter,
splice,
PolyA

SV40 early promoter,
rabbit beta globin intron II,
SV40 poly- A signal

Comments

Reference

Construct number

255

Date entered

2.11.93

Constructed by

Tony Wright

Date constructed

PLASMID NAME

pLGZ-1LEXA

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene lacZ

Promoter,
splice,
PolyA CYC5' Δ + LexA OP

Comments

Reference

Construct number 256

Date entered 2.11.93

Constructed by Tony Wright

Date constructed

PLASMID NAME

pLGZ-2LEXA

bacterial marker Amp

parent vector

yeast marker URA3

bacterial plasmid

eucaryotic replicon 2 μ circle

other relevant source constructs

Inserts

Reporter gene lacZ

Promoter,
splice,
PolyA CYC5' Δ + double LexA OP

Comments

Reference

Construct number

257

Date entered

2.11.93

Constructed by

Tony Wright

Date constructed

PLASMID NAME

pLG1519

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

pRS316

bacterial plasmid

other relevant source constructs

Inserts

LexADNA binding domain fused in frame with GAL4 transcriptional activation domain

Reporter gene

Promoter,
splice,
PolyA

ADC1

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.11.93

Constructed by Louvion Jean-françois

Date constructed august 93

PLASMID NAME

p2HA/LexA.GAL4(848)

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

pRS313

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pLG1519

Inserts lexA DNA binding domain (aa: 1-87) + GAL4 transcriptional domain (aa: 74-848) + hER hormone binding domain (aa: 282-595).

Reporter gene

Promoter, ADH promoter (constitutive)
splice,
PolyA

Comments

Reference pRS313: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.
ADH promoter from pGG22 Gill and Ptashne, 1987, Cell 51: 121-126.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.11.93

Constructed by Louvion Jean-françois

Date constructed august 93

PLASMID NAME

p2HA/LexA.GAL4(848)

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

pRS313

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pLG1519

pUC18/GAL4(848) 3 x stop

Inserts lexA DNA binding domain (aa: 1-87) + GAL4 transcriptional domain (aa: 74-848)

Reporter gene

Promoter, ADH promoter (constitutive)
splice,
PolyA

Comments

Reference pRS313: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.
ADH promoter from pGG22 Gill and Ptashne, 1987, Cell 51: 121-126.

Construct number

261

Date entered

26.11.93

Constructed by

Murray Whitelaw (Poellinger lab)

Date constructed

PLASMID NAME

pGEM7Zf(+)/hGR-mdioxinR

bacterial marker Amp

parent vector
pGEM7Zf(+)
bacterial plasmid

other relevant source constructs

Inserts hGR (aa:1-500) fused to mDioxin receptor (aa:83-593)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference EMBO J. 1993 12: 4169-4179.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.11.93

Constructed by Picard Didier

Date constructed 9.11.89

PLASMID NAME

bacterial marker Amp

parent vector
pRS305

bacterial plasmid
pBLUESCRIPT

yeast marker LEU2

other relevant source constructs

eucaryotic replicon 2μ circle

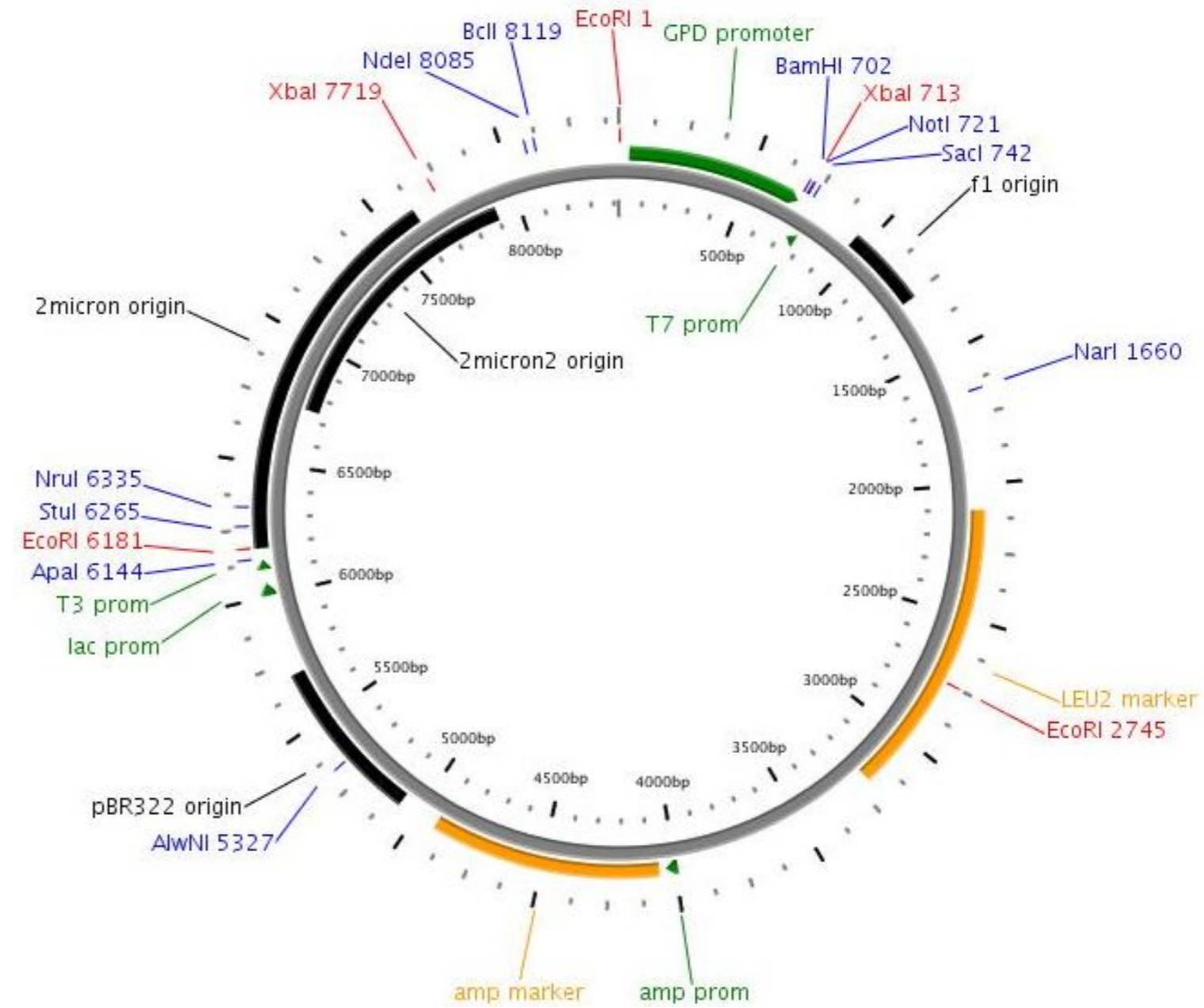
Inserts 2μ circle and glyceraldehyde-3-phosphate dehydrogenase promoter

Reporter gene

Promoter, splice, PolyA
GPD

Comments sequence available

Reference pRS305: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27



DIDIER PICARD LAB, University of Geneva

Construct number

263

Date entered

29.11.93

Constructed by

Etienne Principaud

Date constructed

9.1993

PLASMID NAME

pSG5 xGR

bacterial marker Amp

parent vector

bacterial plasmid

pSG5

other relevant source constructs

pXGR1, pXGR2

Inserts

Xenopus GR sequence, 2 EcoR1 fragments coming from pXGR1 and pXGR2 introduced into the EcoR1 site of pSG5. This clone contains the entire Xenopus laevis GR sequence present into the original lambda clone. Transcription OK. Lack of protein synthesis. Absence of the 5' end and of the translation initiation site?

Reporter gene

Promoter,
splice,
PolyA

SV40 early promoter
rabbit beta globin intron II
SV40 poly-A signal

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

264

Date entered

29.11.93

Constructed by

Etienne Principaud

Date constructed

PLASMID NAME

pXGR1

bacterial marker Amp

parent vector

bacterial plasmid

pVZ1

other relevant source constructs

Inserts

Xenopus laevis glucocorticoid sequence, 1 Kb EcoR1 fragment coming from a lambda clone (Liver cDNA library into lambda Zap). This sequence contains the 5' end of the GR sequence.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

265

Date entered

29.11.93

Constructed by

Etienne Principaud

Date constructed

PLASMID NAME

pXGR2

bacterial marker Amp

parent vector

bacterial plasmid

pVZ1

other relevant source constructs

Inserts

Xenopus laevis glucocorticoid sequence, 0.8 Kb EcoR1 fragment coming from a lambda clone (Liver cDNA library into lambda Zap). This sequence contains the hormone binding domain and the 3' end of the GR sequence.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

266

Date entered

8.12.93

Constructed by

Tiziana Mattioni

Date constructed

16/2/93

PLASMID NAME

pGM3DXB(K290M)HA

bacterial marker Amp

parent vector

pGM3ΔXB(K290M)

bacterial plasmid

other relevant source constructs

pPLΔXB R171K-HA

Inserts

mouse c-abl type IV coding region aa. 1-984 fused with HA tag 39mer ΔXB variant = deletion aa. 72-126. Kinase-defective point mutant (K290M). Conserved motif VAVK in active site is mutated to VAVM (completely inactive).

Reporter gene

Promoter,
splice,
PolyA

T7 and Sp6 The sense RNA is from T7

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

267

Date entered

8.12.93

Constructed by

Tiziana Mattioni

Date constructed

16/2/93

PLASMID NAME

pGM3CIV(K290M)HA

bacterial marker Amp

parent vector

pGM3ΔXB(K290M)

bacterial plasmid

other relevant source constructs

pPLΔXB R171K-HA

Inserts

mouse c-abl type IV coding region aa. 1-984 fused with HA tag 39mer Kinase-defective point mutant (K290M). Conserved motif VAVK in active site is mutated to VAVM (completely inactive).

Reporter gene

Promoter,
splice,
PolyA

T7 and Sp6 The sense RNA is from T7

Comments

Reference

Construct number

268

Date entered

9.12.93

Constructed by

Peter Jackson

Date constructed

1993

PLASMID NAME

pPLΔXB HA

bacterial marker Amp

parent vector

pPLΔXB

bacterial plasmid

pUC13

other relevant source constructs

Inserts ΔXB abl + HA tag

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

269

Date entered

9.12.93

Constructed by

Peter Jackson

Date constructed

1993

PLASMID NAME

pPLΔXB R171K HA

bacterial marker Amp

parent vector

bacterial plasmid

pUC13

other relevant source constructs

Inserts ΔXBR171K+ HA tag (influenza HA tag)

Reporter gene

Promoter,
splice,
PolyA

Comments Mutation R 171 to K in the SH2 domain

Reference Mol. and Cel. Biology (1992) vol. 12 n. 2 pp. 609-618

Construct number

270

Date entered

9.12.93

Constructed by

Peter Jackson

Date constructed

1993

PLASMID NAME

pPLCIV Q5 HA

bacterial marker Amp

parent vector

pPLCIVQ5

bacterial plasmid

pUC13

other relevant source constructs

Inserts

CIV abl Q5 + HA tag (influenza HA tag)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

271

Date entered

9.12.93

Constructed by

lab Thierry/D.Melton

Date constructed

1991

PLASMID NAME

pSP35Tbetaglobin

bacterial marker Amp

parent vector

pSP35T

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments ref. Cell 66; 257-270 (1991)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

272

Date entered

9.12.93

Constructed by

Tiziana Mattioni

Date constructed

16/11/93

PLASMID NAME

pSP35T/ Δ XB.ER

bacterial marker Amp

parent vector

pSP35T betaglobin

bacterial plasmid

other relevant source constructs

pPL Δ XB.ER(630)

Inserts

Xenopus beta-globin 5'UTR containing AUG fused to mouse c-abl type IV aa.1-630 (Δ XB variant = deletion aa. 72-126) fused to the hormone binding domain of human estrogen receptor(AA 282-595).

Reporter gene

Promoter,
splice,
PolyA Sp6

Comments

Unique sites are NcoI, Sall and EcoRI
mouse c-abl type IV aa.1-322=PCR fragment

Reference

pSP35T: Cell (1991) 66; 257-270
pPL Δ XB.ER(630): EMBO J. (1993) 12; 7 pp.2809-2819

DIDIER PICARD LAB, University of Geneva

Construct number

273

Date entered

10.12.93

Constructed by

Gaby Palmer

Date constructed

14.10.93

PLASMID NAME

p2U / TC hsp

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pGEX-2T /TC hsp cDNA

Inserts Trypanosoma cruzi hsp 83 coding sequence

Reporter gene

Promoter,
splice,
PolyA Constitutive GPD promoter

Comments

Reference - for TC hsp83: Dragon et al. (1987) Mol. Cell. Biol. 7, 1271-1275.
- for construct: Palmer et al. (1995) Molec. Biochem. Parasitology 70, 199-202

DIDIER PICARD LAB, University of Geneva

Construct number

274

Date entered

10.12.93

Constructed by

Gaby Palmer

Date constructed

5.11.93

PLASMID NAME

p2U/ flu htp G

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pBJ2

Inserts

E. coli htp G coding sequence with 9 a.a flu epitope added on N terminus

Reporter gene

Promoter,
splice,
PolyA Constitutive GPD promoter

Comments

Reference - for htp G: Bardwell and Craig (1987) PNAS 84, 5177-5181.
- for construct: Palmer et al. (1995) Molec. Biochem. Parasitology 70, 199-202

DIDIER PICARD LAB, University of Geneva

Construct number

275

Date entered

10.12.93

Constructed by

Gaby Palmer

Date constructed

24.11.93

PLASMID NAME

p2LG/ flu htp G

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

p2LG

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pBJ2

Inserts E. Coli htp G coding sequence with 9 a.a flu epitope added on N terminus

Reporter gene

Promoter,
splice,
PolyA Constitutive GPD promoter

Comments

Reference Bardwell J.C.A. and Craig E.A., PNAS, 84, pp. 5177-5181, 1987
for htp G

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 10.12.93

Constructed by Gaby Palmer

Date constructed 24.11.93

PLASMID NAME

pG1/ flu hv GRP 94

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

pUC

other relevant source constructs

pBH6-601, psp72 flu

Inserts Hordeum vulgare L. GRP 94 coding sequence lacking first 20 a.a (ER translocation signal peptide), starting with 9 a.a flu epitope on N terminus

Reporter gene

Promoter, Constitutive GPD promoter
splice, PGK terminaison and polyA sites
PolyA

Comments flu tag from psp72 flu

Reference Walther- Larsen H., Brandt J., Collinge D.B., Plant Mol. Biol., 21, pp. 1097-1108, 1993 for GRP 94

DIDIER PICARD LAB, University of Geneva

Construct number

277

Date entered

10.12.93

Constructed by

Gaby Palmer

Date constructed

25.11.93

PLASMID NAME

p2U/ flu htpG-hsp82 chim.2

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/ flu htp G, pTT8

Inserts

E.Coli htpG coding sequence (a.a 2-623) with 9 a.a flu epitope added on N terminus and with a.a 674-709 from yeast hsp 82 added on C terminus

Reporter gene

Promoter,
splice,
PolyA Constitutive GPD promoter

Comments

Reference

Construct number

278

Date entered

10.12.93

Constructed by

olfa Hooft van Huijsduijnen

Date constructed

10-12-93

PLASMID NAME

p2HA/Gal4 cIV (K-)

bacterial marker Amp

vertebrate marker

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

pRS303

bacterial plasmid

other relevant source constructs

puc 18 3 x stop

Inserts Gal4 (1-93) +Abl CIV with K290 mutation+ triple stop

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

279

Date entered

10.12.93

Constructed by

Olfa Hooft van Huijsduijnen

Date constructed

10-12-93

PLASMID NAME

p2LG/ ΔXB(K-) VP16

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2μ circle

parent vector

p2IG, pMV/ cIV(k-)

bacterial plasmid

other relevant source constructs

psjt1193-crf 3

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

281

Date entered

14.12.93

Constructed by

Jaramillo

Date constructed

PLASMID NAME

pNEF / CIV(Q5).ER

bacterial marker Amp

parent vector

bacterial plasmid
pBS and BS(+)

other relevant source constructs
PJ3ΩcIV, pPL/cIV(630)Q5.ER

eucaryotic replicon SV40 ori

Inserts

mouse c-abl type IV (AA 1-630) , fused to hormone binding domain of hER (AA 282-595).
Mutation in cIV: nuclear localization signal K5 -> Q5
Mutation in hER: G400V

Reporter gene

Promoter, human EF1a elongation factor 1 α (EF-1 α) promoter.
splice, - first intron from EF-1 α gene.
PolyA - SV40 poly A (in late orientation).
- plasmid contains SV40 origin (pos. 5092-128), early promoter same orientation as EF-1 α promoter.

Comments

Reference For EF-1a: N.A.R. 18, (1990), 5322.

Construct number

282

Date entered

14.12.93

Constructed by

Olfa Hooft van Huijsduijnen

Date constructed

14-12-1993

PLASMID NAME

Pet/ CIV(630)

bacterial marker amp

parent vector

pet-15, puc/CIV (630),pg/CIV(630)

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.1.94

Constructed by Gaby Palmer

Date constructed dec 1993

PLASMID NAME

p2U/flu-htpG-hsp82 chim. 1

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/flu htpG, pTT8

Inserts E.Coli htp G coding sequence from aa. 2 to 207 fused to aa. 208 to 709 of yeast hsp 82.
9 aa. flu epitope on N-terminus of the protein

Reporter gene

Promoter,
splice,
PolyA Constitutive GPD promoter

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

284

Date entered

5.1.94

Constructed by

Louvion Jean-François

Date constructed

1992

PLASMID NAME

p2G

bacterial marker Amp

yeast marker

eucaryotic replicon 2 μ circle

parent vector

pRS303

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

Inserts 2 μ circle and glyceraldehyde-3-phosphate dehydrogenase promoter

Reporter gene

Promoter,
splice,
PolyA

Comments Small deletion in the HIS3 gene (Hind III fragment removed) producing a vector without yeast marker

Reference pRS303: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27
Picard et al (1990) Nature 348: 166-168.

Construct number

285

Date entered

6.1.94

Constructed by

Lorenz Poellinger's lab

Date constructed

PLASMID NAME

TD/DR(83-805)/KUNX

bacterial marker Amp

yeast marker LEU2d

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts Transactivation domain (TD) of hGR (aa:1-500) fused in frame to aa:83-805 of Dioxin receptor.

Reporter gene

Promoter,
splice,
PolyA GPK in wich the upstream activating sequences have been replaced by UAS gal (galactose inducible)

Comments In yeast the fusion can be activated by 10 nm of JCZ or MICZ (indolocarbazoles)

Reference

Construct number

287

Date entered

26.1.94

Constructed by

Struhl's lab

Date constructed

PLASMID NAME

pBS-31

bacterial marker Amp

parent vector
BLUESCRIPT
bacterial plasmid

other relevant source constructs

Inserts yeast URA3 gene flanked by bacterial repetitive sequences (hisG)

Reporter gene

Promoter,
splice,
PolyA

Comments Can be used for pop-in, pop-out gene disruption in yeast

Reference Alani et al 1987 Genetics 116: 541-545.

DIDIER PICARD LAB, University of Geneva

Construct number

288

Date entered

28.1.94

Constructed by

Gaby Palmer

Date constructed

14.10.93

PLASMID NAME

p2U / fluTC hsp

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pGEX-2T /TChsp cDNA, p2U/TC hsp, psp72-flu tag

Inserts

Trypanosoma cruzi hsp 83 coding sequence with 9 a.a. flu epitope and 10 additional a.a. on N terminus

Reporter gene

Promoter,
splice,
PolyA Constitutive GPD promoter

Comments

Reference

- for TC hsp83: Dragon et al. (1987) Mol. Cell. Biol. 7, 1271-1275.
- for construct: Palmer et al. (1995) Molec. Biochem. Parasitology 70, 199-202

Construct number

289

Date entered

1.3.94

Constructed by

Marty Privalsky

Date constructed

PLASMID NAME

pUC Δ SS-TRE

old name

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pUC Δ SS

bacterial plasmid

pUC18

other relevant source constructs

Inserts

single TRE (AGGTCATGACCT) upstream of CYC1 TATA region.
inserted at the XhoI site

Reporter gene

lacZ

Promoter,
splice,
PolyA

Comments

Reference

Construct number

290

Date entered

1.3.94

Constructed by

Marty Privalsky

Date constructed

PLASMID NAME

pG/hT3R

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pG1

bacterial plasmid

other relevant source constructs

Inserts

human TR (thyroid receptor) inserted at the BamHI site

Reporter gene

Promoter,
splice,
PolyA

GPD
PGK termination sequence

Comments

Reference

Construct number

291

Date entered

4.3.94

Constructed by

S. Lindquist's lab

Date constructed

PLASMID NAME

Δ Hsc82::LEU

bacterial marker Amp

parent vector

bacterial plasmid

pBluescript

other relevant source constructs

Inserts

Hsc82 1.6 deletion removing both highly charged regions and most of the coding region replaced by the yeast LEU2 marker. Insert can be excised (for single step gene disruption) with a HindIII digestion.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

292

Date entered

4.3.94

Constructed by

S. Lindquist's lab

Date constructed

PLASMID NAME

Δ Hsp82::LEU

bacterial marker Amp

parent vector

bacterial plasmid

pVZ

other relevant source constructs

Inserts

Hsp82 1.4 deletion removing both highly charged regions and most of the coding region replaced by the yeast LEU2 marker. Insert can be excised (for single step gene disruption) with a HindIII-MluI digestion.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

293

Date entered

4.3.94

Constructed by

C. Nicolet (Craig's lab)

Date constructed

PLASMID NAME

YE_p-STI1

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

YE_p24

bacterial plasmid

other relevant source constructs

Inserts

9.0 Kb genomic insert with STI1, the yeast (*S. cerevisiae*) homologue of p60. Contains whole coding sequence and complements sti1-negative strain.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Nicolet and Craig (1989) MCB 9, 3638-3646

Construct number

294

Date entered

9.3.94

Constructed by

Date constructed

PLASMID NAME

pBH 6-601

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts hordeum vulgare GRP94 coding sequence

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Walther-Larsen H., Brandt J.C.A, Collinge M.B., Plant Mol. Biol., 1993, pp.1079-1108

Construct number

295

Date entered

9.3.94

Constructed by

Craig lab

Date constructed

PLASMID NAME

pBJ2

bacterial marker Tet

parent vector

pBJ1

bacterial plasmid

pBR322

other relevant source constructs

Inserts

Coding sequence of E.Coli htp G, 3.25 kb Pst1-EcoR1 subclone from 6 kb EcoR1 fragment in pBJ1

Reporter gene

Promoter,
splice,
PolyA

Comments

Sent by Jim Bradwell
No ampicilline resistance!

Reference

Bradwell J.C.A., Craig E.A., PNAS, 84, 1987, pp.5177-5181

Construct number

296

Date entered

9.3.94

Constructed by

Date constructed

PLASMID NAME

pGex-2T TC hsp83

bacterial marker Amp

parent vector

bacterial plasmid

pGEX

other relevant source constructs

Inserts

Coding sequence for trypanosoma cruzi hsp83

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Dragon E.A. et al, Mol.Cell.Biol., 7, 1987, pp.1271-1275 for TC hsp83

Construct number

298

Date entered

9.3.94

Constructed by

Date constructed

PLASMID NAME

YEplac 195-library S

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

YEplac 195

bacterial plasmid

pUC19

other relevant source constructs

Inserts yeast genomic DNA, insert size 8-10 kb

Reporter gene

Promoter,
splice,
PolyA

Comments about 20% empty plasmides (estimated by blue/white colonies assay on IPTG and X-gal)

Reference gift from Martine Collart C.M.U.

Construct number

299

Date entered

9.3.94

Constructed by

Date constructed

jan 1994

PLASMID NAME

YEplac 195-library S/amplified

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

YEplac 195

bacterial plasmid

pUC19

other relevant source constructs

Inserts yeast genomic DNA, insert size 8-10 kb

Reporter gene

Promoter,
splice,
PolyA

Comments amplification of library S (record n°298), five 1 ml aliquots of the corresponding bacteria are stored at - 80°

Reference gift from Martine Collart C.M.U.

Construct number

300

Date entered

9.3.94

Constructed by

Date constructed

jan 1994

PLASMID NAME

YEplac 195-library L/amplified

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

YEplac 195

bacterial plasmid

pUC19

other relevant source constructs

Inserts yeast genomic DNA, insert size 15-20 kb

Reporter gene

Promoter,
splice,
PolyA

Comments amplification of library L (record n°297), five 1 ml aliquots of the corresponding bacteria are stored at - 80°

Reference gift from Martine Collart C.M.U.

DIDIER PICARD LAB, University of Geneva

Construct number

301

Date entered

28.4.94

Constructed by

Bruno Amati

Date constructed

1992

PLASMID NAME

pJ6Ω puro

bacterial marker

Amp

vertebrate marker

puromycin

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Morgenster & Land (90) NAR 18, 1068

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 28.4.94

Constructed by Addgene

Date constructed

PLASMID NAME

pBABE-puro

<u>bacterial marker</u> Amp	<u>parent vector</u>
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u> high copy
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

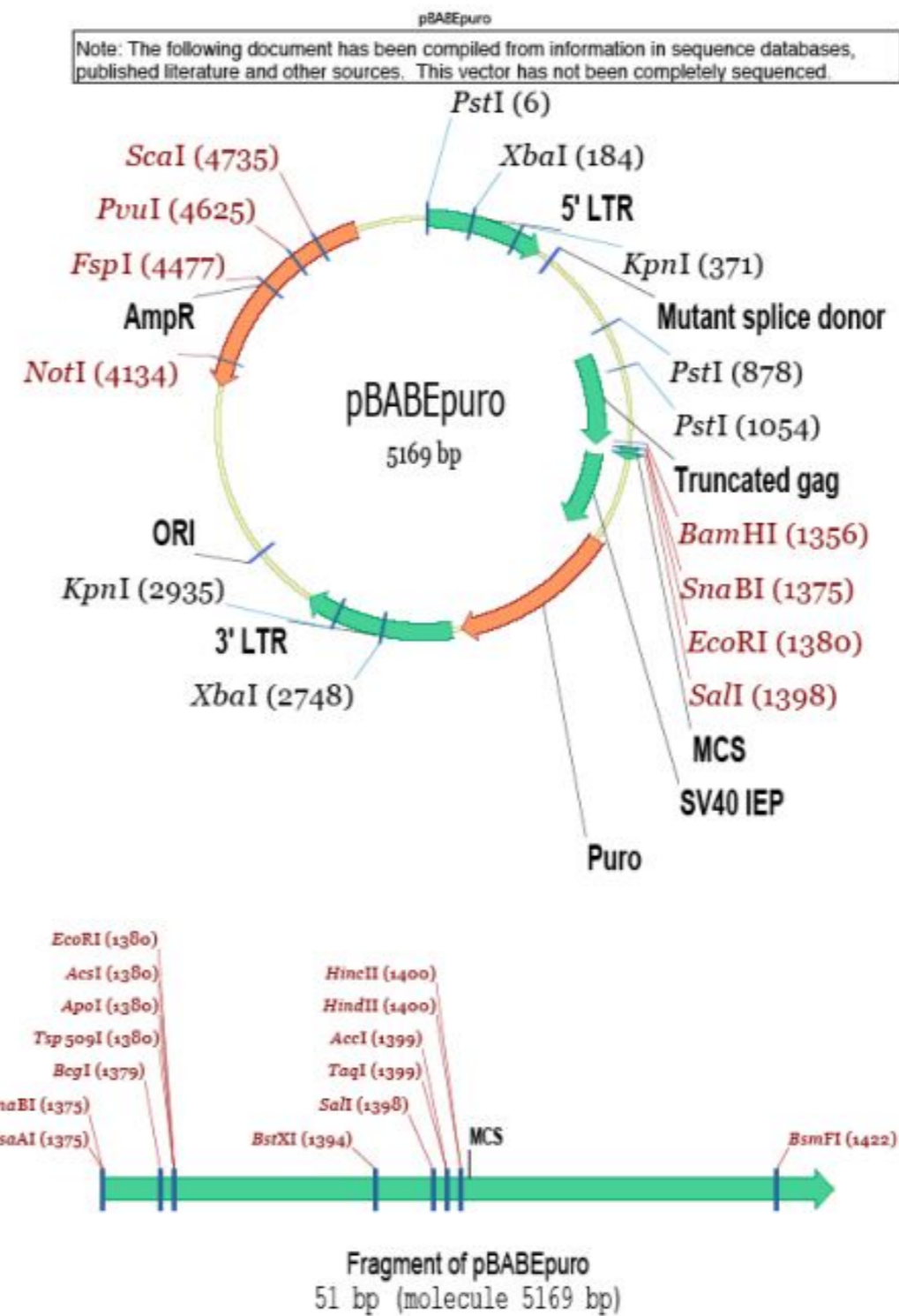
Inserts Retroviral expression vector with puromycin marker

Reporter gene

Promoter, splice, PolyA - Moloney murine leukemia virus LTR

Comments - addgene plasmid # 1764
- some sequence available

Reference Morgenstern & Land (90) NAR 18, 3587-3596



Construct number

303

Date entered

2.5.94

Constructed by

Ira Schulman's lab

Date constructed

PLASMID NAME

pG/hRXR α

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

other relevant source constructs

Inserts human RXR α

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

Construct number

304

Date entered

2.5.94

Constructed by

Ira Schulman's lab

Date constructed

PLASMID NAME

DR1-lacZ

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

PGA 1696

bacterial plasmid

other relevant source constructs

Inserts

DR1 (binding sequence for RXR)-CYC1 TATA in front of β -galactosidase coding sequences

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DR1 Umesono et al. Cell 65: 1255-1266

Construct number

305

Date entered

2.5.94

Constructed by

Date constructed

PLASMID NAME

GA11

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

mouse GR Zinc finger + hormone binding domain

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

306

Date entered

13.5.94

Constructed by

Date constructed

PLASMID NAME

pHO

bacterial marker Amp

yeast marker URA3

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Saccharomyces cerevisiae endonuclease HO (mating type switch)
under the control it's own promoter (turned off when cells are in the diploid form)

Reporter gene

Promoter,
splice,
PolyA

Comments Obtained from Martine Belin-Collart (CMU)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

307

Date entered

16.5.94

Constructed by

Louvion Jean-François

Date constructed

may 1993

PLASMID NAME

p2U/fluhs82

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pRS306

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

Inserts flu epitope fused in frame with yeast (*S. cerevisiae*) Hsp82 sequence

Reporter gene

Promoter, GPD promoter (constitutive)
splice,
PolyA

Comments flu sequence : ATG GAC TAC CCA TAC GAC GTC CCA GAC TAC GCT
gat aga tat cag atc t
EcoRV

Reference - for pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27
- for construct: Palmer et al. (1995) Molec. Biochem. Parasitology 70,
199-202

DIDIER PICARD LAB, University of Geneva

Construct number

308

Date entered

27.5.94

Constructed by

Pierre-André Briand

Date constructed

18.5.94

PLASMID NAME

p2TP/ER(G)

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pYE10

bacterial plasmid

other relevant source constructs

hPr1ApYE10, HEG0

Inserts wild-type human estrogen receptor (ER), i.e. with G400

Reporter gene

Promoter, PGK promoter and terminator
splice,
PolyA

Comments

Reference hPR1ApYE10 is from Gronemeyer lab.

Construct number

309

Date entered

7.6.94

Constructed by

Murray Whitelaw (L.Poellinger's lab)

Date constructed

PLASMID NAME

TD/DR83-805/2LG

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

p2LG

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

TD/DR83-805/KUNX

Inserts

first 500 aa of human GR (glucocorticoid receptor) fused to aa:83-805 of mouse dioxin receptor

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

310

Date entered

23.6.94

Constructed by

Olfa Hooft van Huijsduijnen

Date constructed

23.6.1994

PLASMID NAME

Gem-3- Δ XB-R171K-K290M-HA

bacterial marker Amp

parent vector

Gem-3- Δ XB-R171K & Gem-3- Δ XB-K290M.

bacterial plasmid

other relevant source constructs

Inserts

Δ XB-R171K and tag (influenza HA tag),
 Δ XB= C-abl with mutation in SH3 domain, aa72-126.
R171K is a mutation in the SH2 domain, aa 163 to 179.
Kinase-defective point mutant (K290M).

Reporter gene

Promoter, T7 for sense RNA, SP6 for anti-sense
splice,
PolyA

Comments

Reference

Construct number

311

Date entered

6.7.94

Constructed by

Stanley McKnight

Date constructed

1987

PLASMID NAME

pCEV

bacterial marker Amp

parent vector

bacterial plasmid

pUC13

other relevant source constructs

Inserts

mouse C α PKA subunit cDNA

Reporter gene

Promoter, - MT1 promoter (Zn inducible promoter; use 80 μ M ZnSO $_4$)
splice,
PolyA - hGH splice (?) and polyA

Comments

received via Günther Schütz lab.

Reference

McKnight (1987) JBC 262, 15202-15207

Construct number

312

Date entered

6.7.94

Constructed by

Schütz lab

Date constructed

1988

PLASMID NAME

pREV

bacterial marker Amp

parent vector

bacterial plasmid

pUC13

other relevant source constructs

Inserts

human testis RII β PKA subunit cDNA

Reporter gene

Promoter, - MT1 promoter (Zn inducible promoter; use 80 μ M ZnSO₄)
splice,
PolyA - hGH splice (?) and polyA

Comments

Reference

Construct number

313

Date entered

14.7.94

Constructed by

R. CADE (B. ERREDE lab)

Date constructed

PLASMID NAME

pNC318

STE7.M

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pLG669-Z , pNC161

bacterial plasmid

other relevant source constructs

pNC279

Inserts S.c. STE7 fused in frame with the Myc epitope (EQKLISEEDLN)

Reporter gene

Promoter, CYC-1 promoter
splice,
PolyA

Comments

Reference pNC318: M.C.B 1993 13:2069-2080.
pLG669-Z: PNAS 1981 78:2199-2203
pNC161 : plasmids 1990 23: 159-162

Construct number

314

Date entered

18.7.94

Constructed by

?

Date constructed

?

PLASMID NAME

pSG5-cea-II

alternative name

cTR α in pSG5

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

Bluescribe

other relevant source constructs

pcea-II (c-erbA cDNA)

eucaryotic replicon SV40 ori

Inserts chicken thyroid receptor α

Reporter gene

Promoter, - SV40 early promoter
splice, - rabbit β -globin splice
PolyA - SV40 polyA

Comments obtained from Carsten Carlberg

Reference insert: Nature 324, 635-640, 1986

Construct number

315

Date entered

18.7.94

Constructed by

W. Wahli lab

Date constructed

6 / 93

PLASMID NAME

xPPAR α in pSG5

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe

other relevant source constructs

Inserts Xenopus PPAR α

Reporter gene

Promoter, - SV40 early promoter
splice, - rabbit β -globin splice
PolyA - SV40 polyA

Comments

Reference

Construct number

316

Date entered

18.7.94

Constructed by

W. Wahli lab

Date constructed

6 / 93

PLASMID NAME

xER-xPPAR γ

old name

chim2

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

Bluescribe

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts

chimeric receptor consisting of aa 1-276 of Xenopus estrogen receptor (ER) and ligand binding domain of Xenopus PPAR γ (aa 164-477)

Reporter gene

Promoter, - SV40 early promoter
splice, - rabbit β -globin splice
PolyA - SV40 polyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

317

Date entered

19.7.94

Constructed by

Louvion Jean-françois

Date constructed

19.7.1994

PLASMID NAME

p2HG/STE7M

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pRS303

pNC318

Inserts

S.c. STE7 coding sequence (with an internal MYC epitope fused at the C-terminus of the protein)

Reporter gene

Promoter,
splice,
PolyA constitutive GPD (promoter)

Comments

Reference pRS303: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.
pNC318: M.C.B 1993 13:2069-2080.

DIDIER PICARD LAB, University of Geneva

Construct number

318

Date entered

19.7.94

Constructed by

Louvion Jean-françois

Date constructed

19.7.1994

PLASMID NAME

p2U/STE7M

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pRS306

pNC318

Inserts

S.c. STE7 coding sequence (with an internal MYC epitope fused at the C-terminus of the protein)

Reporter gene

Promoter,
splice,
PolyA constitutive GPD (promoter)

Comments

Reference pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.
pNC318: M.C.B 1993 13:2069-2080.

DIDIER PICARD LAB, University of Geneva

Construct number

319

Date entered

19.7.94

Constructed by

Louvion Jean-françois

Date constructed

19.7.1994

PLASMID NAME

pHCAcyc-1/STE7M

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS306

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pNC318

Inserts

S.c. STE7 coding sequence (with an internal MYC epitope fused at the C-terminus of the protein)

Reporter gene

Promoter,
splice,
PolyA CYC-1 induced by 1 % sucrose (repressed in 2% glucose)

Comments

Reference pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.
pNC318: M.C.B 1993 13:2069-2080.

Construct number

320

Date entered

19.7.94

Constructed by

Martin Chalfie lab

Date constructed

93

PLASMID NAME

he38

bacterial marker Amp

parent vector

bacterial plasmid

pBS(+)

other relevant source constructs

λ gfp10

Inserts

- green-fluorescent protein (GFP) cDNA, from jellyfish *Aequorea victoria*
- EcoRI fragment in pBS(+)
- 238 aa protein

Reporter gene

Promoter,
splice,
PolyA

Comments

- contains PCR-mediated change of CAG (E) to CGG (R) at codon 80 (no effects)
- orientation presumably T7->T3

Reference

Chalfie et al. (1994) Science 263, 802-805

Construct number

321

Date entered

19.7.94

Constructed by

Martin Chalfie lab

Date constructed

93

PLASMID NAME

TU#58

bacterial marker Amp

parent vector

pET3a

bacterial plasmid

other relevant source constructs

pGFP10.1

Inserts

- green-fluorescent protein (GFP) cDNA, from jellyfish Aequorea victoria.
- insert generated by PCR as NheI-EcoRI fragment (5' primer was ACAAAGGCTAGCAAAGGAGAAGAAC; 3' primer was T3 primer); initial Met replaced by Ala. Cloned into pET3a NheI-EcoRI.
- 238 aa protein

Reporter gene

Promoter, T7 promoter (for expression in BL21(DE3) LysS)
splice,
PolyA

Comments contains PCR-mediated change of CAG (E) to CGG (R) at codon 80 (no effects)

Reference for pET3a: Rosenberg et al. (1987) Gene 56, 125.

Chalfie et al. (1994) Science 263, 802-805

DIDIER PICARD LAB, University of Geneva

Construct number

322

Date entered

19.7.94

Constructed by

Didier Picard

Date constructed

7/94

PLASMID NAME

pSGF

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

pGFP10.1

Inserts green-fluorescent protein (GFP) cDNA

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference for pSG5: Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

323

Date entered

19.7.94

Constructed by

Pierre-André Briand

Date constructed

7/94

PLASMID NAME

pGRE5F

bacterial marker Amp

parent vector

pGRE5-1

bacterial plasmid

other relevant source constructs

pAL10

Inserts green-fluorescent protein (GFP) cDNA

Reporter gene GFP

Promoter,
splice,
PolyA

- 5xGRE (head-to-tail pentamer of 35 bp rat TAT GRE)
- Ad2 major late promoter TATA box.
- rabbit β -globin intron 2 (from natural BamHI to EcoRI sites; EcoRI site removed)
- SV40 polyA

Comments

Reference for vector pGRE5-1: Mader and White (1993) PNAS 90, 5603-5607.

Construct number

324

Date entered

20.7.94

Constructed by

C. LOGIE (M. NICHOLS lab)

Date constructed

PLASMID NAME

hum And

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts human androgen receptor Hormone binding domain (aa:624-919)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

325

Date entered

20.7.94

Constructed by

C. LOGIE (M. NICHOLS lab)

Date constructed

PLASMID NAME

lotus 2

bacterial marker Amp

parent vector

bacterial plasmid
pBLUESCRIPT
other relevant source constructs

Inserts rat androgen receptor Hormone binding domain (aa:606-901)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

326

Date entered

4.8.94

Constructed by

Anca Ghika

Date constructed

5.4.1994

PLASMID NAME

antisense hHSP90

bacterial marker Amp

parent vector

BS (+)

bacterial plasmid

other relevant source constructs

Inserts

hHSP 90 : first 2097 bp in an antisense orientation

Reporter gene

Promoter, T7 promoter
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

327

Date entered

4.8.94

Constructed by

Louvion Jean-François

Date constructed

08.94

PLASMID NAME

pBabe /fluhs82

bacterial marker Amp

vertebrate marker Puromycin

eukaryotic replicon SV40 ori

parent vector

pBabe Puro

bacterial plasmid

other relevant source constructs

p2U/fluhs82

Inserts yeast hsp82 coding sequence (+3' UT 150 pb)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference pBabe Puro : Morgenstern & Land (90) NAR 18, 3587-3596

DIDIER PICARD LAB, University of Geneva

Construct number

329

Date entered

4.8.94

Constructed by

Louvion Jean-François

Date constructed

08.94

PLASMID NAME

pBabe /fluhsp82 Δ 1-354 Δ 538-552

bacterial marker Amp

vertebrate marker Puromycin

eukaryotic replicon SV40 ori

parent vector

pBabe Puro

bacterial plasmid

other relevant source constructs

p2U/fluhsp82 Δ 1-354 Δ 538-552

Inserts yeast hsp82 coding sequence deleted for aa: 1-354 and 538-552 (+3' UT 300 pb)

Reporter gene

Promoter,
splice,
PolyA

Comments The protein has a dominant-negative effect (at high temperature) when expressed in yeast

Reference pBabe Puro : Morgenstern & Land (90) NAR 18, 3587-3596

Construct number

330

Date entered

15.8.94

Constructed by

Gronemeyer lab (Chambon)

Date constructed

≤ 1987

PLASMID NAME

cPR1

bacterial marker Amp

parent vector

pKCR2

bacterial plasmid

pBR322?

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts

- chicken progesterone (cPR) receptor cDNA, complete coding body
- nt +367 to +2921 and sequence GATCCTCGAGCCACC just upstream of ATG; cloned into pKCR2 as EcoRI fragment.

Reporter gene

Promoter, SV40 early promoter
splice,
PolyA

Comments

Reference Gronemeyer et al. (1987) EMBO J. 6, 3985-3994

for pKCR2: NAR 11, 7119-7136 (1983)

DIDIER PICARD LAB, University of Geneva

Construct number

331

Date entered

22.8.94

Constructed by

Tiziana Mattioni

Date constructed

18/8/94

PLASMID NAME

pC7-Fos M

bacterial marker Amp

parent vector

pC7

bacterial plasmid

other relevant source constructs

RSV-cFos.ER

Inserts

mouse c-Fos aa1-373 fused in frame to an oligo coding for h-Myc as a tag
oligo sequence coding strand:
5' TG GAA CAA AAA CTC ATC TCA GAA GAG GAT CTG TGA 3'

Reporter gene

Promoter,
splice,
PolyA CMV enhancer and promoter, T7 promoter, SV40 splice and polyA

Comments

Reference for Myc tag : G.,E.,Evan Moll. and Cell. Biol. 1985, 3610-3616

Construct number

332

Date entered

5.9.94

Constructed by

Schlessinger lab

Date constructed

1994

PLASMID NAME

GFP 7.4

bacterial marker Amp

parent vector

pRK5

bacterial plasmid

pUC

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts myc-tagged green fluorescent protein (GFP)
myc tag is at N-terminus of GFP

Reporter gene

Promoter, CMV enhancer/promoter
splice, SV40 polyA site
PolyA

Comments obtained via Mike Garabedian

Reference

Construct number

333

Date entered

12.9.94

Constructed by

Pouysségur lab

Date constructed

PLASMID NAME

MAPKK (S218D/S222D)

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pECE

bacterial plasmid

pUC

other relevant source constructs

Inserts

constitutive mutant of hamster MAP kinase kinase (MAPKK).
Flu tag (HA1 epitope) at N-terminus.

Mutations are S218D and S222D

Reporter gene

Promoter, SV40 early promoter and enhancer
splice, SV40 polyA site
PolyA

Comments

Reference

Construct number

334

Date entered

12.9.94

Constructed by

Pouysségur lab

Date constructed

PLASMID NAME

MAP TA

bacterial marker Kan

vertebrate marker Neo (G418)

parent vector

pcDNA neo

bacterial plasmid

other relevant source constructs

Inserts

dominant-negative mutant of hamster MAP kinase (MAPK).
Flu tag (HA1 epitope) at N-terminus.

Mutation is T192A

Reporter gene

Promoter, CMV promoter and enhancer
splice,
PolyA

Comments

Reference

Meloche S. Pages G. Pouyssegur J.
Functional expression and growth factor activation of an
epitope-tagged p44 mitogen-activated protein kinase,
p44^{mapk}

DIDIER PICARD LAB, University of Geneva

Construct number

335

Date entered

13.9.94

Constructed by

Pierre-André Briand

Date constructed

9 / 94

PLASMID NAME

pGST.ABL(15-607)

bacterial marker Amp

parent vector

pGEX-1

bacterial plasmid

other relevant source constructs

Inserts

Glutathione S-transferase (GST) fused to murine c-ABL type IV amino acids 15-607

ABL fragment was generated as PCR fragment with Pfu DNA polymerase and pPLclV as template and the following oligos:
CCCGGATCCTAGTTTGCCCGCCCTGCA and
CCGAATTCATCATCTTCATTTAGGCTG

Plasmid also carries lacIq gene.

Reporter gene

Promoter,
splice,
PolyA tac promoter

Comments

Reference - for pGEX-1: Gene 67 (1988) 31-40
- construct itself: Foray et al. (2002) MCB 22, 4020.

DIDIER PICARD LAB, University of Geneva

Construct number

336

Date entered

13.9.94

Constructed by

Pierre-André Briand

Date constructed

9 / 94

PLASMID NAME

pUC/Abl(15-607)

bacterial marker Amp

parent vector

pUC18

bacterial plasmid

pUC18

other relevant source constructs

Inserts

murine c-ABL type IV amino acids 15-607 (no AUG, but with stop)

ABL fragment was generated as PCR fragment with Pfu DNA polymerase and pPLcIV as template and the following oligos:
CCCGGATCCTAGTTTGCCCGCCCTGCA and
CCGAATTCATCTTCATTTAGGCTG

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

337

Date entered

13.9.94

Constructed by

Pierre-André Briand

Date constructed

9 / 94

PLASMID NAME

pET/ABL(15-607)

bacterial marker Amp

parent vector

pET-15b

bacterial plasmid

? (low yield)

other relevant source constructs

Inserts

murine c-ABL type IV amino acids 15-607 with (His)6 tag at N-terminus.

ABL fragment was generated as PCR fragment with Pfu DNA polymerase and pPLcIV as template and the following oligos:
CCCGGATCCTAGTTTGCCCGCCCTGCA and
CCGAATTCACCTCATCTTCATTTAGGCTG

Reporter gene

Promoter, T7 promoter and terminator
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

338

Date entered

13.9.94

Constructed by

Pierre-André Briand

Date constructed

9 / 94

PLASMID NAME

pTZ3

bacterial marker Amp

parent vector

G46TNZ

bacterial plasmid

pSP71

other relevant source constructs

Inserts

C-terminal part of β -galactosidase

Reporter gene

Promoter,
splice,
PolyA

Comments for cloning 5' flanking regions of enhancer trap transgenes

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

339

Date entered

13.9.94

Constructed by

Pierre-André Briand

Date constructed

9 / 94

PLASMID NAME

pTZ5

bacterial marker Amp

parent vector

G46TNZ

bacterial plasmid

pSP71

other relevant source constructs

Inserts

5' sequences of transgene G46TNZ; includes GRE, TK promoter and 5' end of β -galactosidase

Reporter gene

Promoter,
splice,
PolyA

Comments for cloning 3' flanking regions of enhancer trap transgenes

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

340

Date entered

13.9.94

Constructed by

Pierre-André Briand

Date constructed

9 / 94

PLASMID NAME

pTZ

bacterial marker Amp

parent vector

G46TNZ

bacterial plasmid

pSP71

other relevant source constructs

Inserts

transgene G46TNZ; includes GRE, TK promoter and β -galactosidase coding region (lacks 3' flanking sequences)

Reporter gene

Promoter,
splice,
PolyA

Comments

expresses low levels of β -galactosidase in E. coli as does G46TNZ (probably from cryptic promoter).

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

341

Date entered

13.9.94

Constructed by

Pierre-André Briand

Date constructed

9 / 94

PLASMID NAME

pG/ER(G)

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

pUC

other relevant source constructs

pG/hER and HEG0

Inserts human estrogen receptor (ER).
Wild-type form, i.e. Gly400

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments - deposited in Addgene with plasmid ID 108219

Reference for pG1: Schena et al. (1991) Methods Enzym. 194:389-398.
for pG/ER(G): FEMS Microbiology Letters 159 (1998) 167-171

DIDIER PICARD LAB, University of Geneva

Construct number

342

Date entered

13.9.94

Constructed by

Pierre-André Briand

Date constructed

9 / 94

PLASMID NAME

pG/cPR

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

pUC

other relevant source constructs

cPR1

Inserts chicken progesterone receptor (cPR)

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments

Reference for cPR1: Gronemeyer et al. (1987) EMBO J. 6, 3985-3994
for pG1: Schena et al. (1991) Methods Enzym. 194:389-398.
for pG/cPR: FEMS Microbiology Letters 159 (1998) 167-171

DIDIER PICARD LAB, University of Geneva

Construct number

343

Date entered

23.9.94

Constructed by

Pierre-André Briand

Date constructed

9 / 94

PLASMID NAME

XTL

bacterial marker Amp

parent vector

BS(+)

bacterial plasmid

BS(+)

other relevant source constructs

TL

Inserts

- TK promoter driving luciferase.
- polylinker upstream of TK promoter with Sal1, Xho1, Apal and Kpn1 as unique sites*.

Reporter gene

luciferase

Promoter,
splice,
PolyA

- HSV thymidine kinase (TK) promoter (-109 to +52).
- SV40 small t intron and polyA site.

Comments

- Bluescript version of TL (it lacks the cryptic AP1 site of pUC vectors)
- partial sequence available

Reference

for luciferase and pSV232A/L- $\Delta\Delta 5'$:
De Wet et al. (1987) MCB 7, 725-737.

DIDIER PICARD LAB, University of Geneva

Construct number

344

Date entered

23.9.94

Constructed by

Pierre-André Briand

Date constructed

9 / 94

PLASMID NAME

XG46TL

bacterial marker Amp

parent vector

BS(+)

bacterial plasmid

BS(+)

other relevant source constructs

G46TL

Inserts synthetic 46mer GRE upstream of TK promoter driving luciferase.

Reporter gene luciferase

Promoter,
splice,
PolyA

- GRE: synthetic 46mer, dimer of footprint 1.5 of MMTV LTR.
- HSV thymidine kinase (TK) promoter.
- SV40 small t intron and polyA site.

Comments

- Bluescript version of G46TL (it lacks the cryptic AP1 site of pUC vectors)
- sequence of GRE-TK promoter context available

Reference

for luciferase and pSV232A/L-AΔ5':
De Wet et al. (1987) MCB 7, 725-737.
for XG46TL: Bunone et al. (1996) EMBO J. 15, 2174-2183.

DIDIER PICARD LAB, University of Geneva

Construct number

345

Date entered

23.9.94

Constructed by

Pierre-André Briand

Date constructed

9 / 94

PLASMID NAME

X4BL

bacterial marker Amp

parent vector

BS(+)

bacterial plasmid

BS(+)

other relevant source constructs

puc-UASgal(5x17) β mLUC

Inserts UASgal- β globin driving luciferase

Reporter gene luciferase

Promoter, - GAL4 binding sites upstream of mouse β -globin promoter
splice, - SV40 small t intron and poly A site
PolyA

Comments Bluescript version of puc-UASgal(5x17) β mLUC (it lacks the cryptic AP1 site of pUC vectors).
Not clear whether it works!!!

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

346

Date entered

23.9.94

Constructed by

Pierre-André Briand

Date constructed

9 / 94

PLASMID NAME

XETL

bacterial marker Amp

parent vector

BS(+)

bacterial plasmid

BS(+)

other relevant source constructs

ETL

Inserts

ERE upstream of TK promoter driving luciferase.

Reporter gene

luciferase

Promoter,
splice,
PolyA

- ERE from Xenopus vitellogenin A2 gene
- HSV thymidine kinase (TK) promoter.
- SV40 small t intron and polyA site.

Comments

- Bluescript version of ETL (it lacks the cryptic AP1 site of pUC vectors)
- sequence for ERE-TK environment available

Reference

for luciferase: De Wet et al. (1987) MCB 7, 725-737.
for XETL: Bunone et al. (1996) EMBO J. 15, 2174-2183.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.10.94

Constructed by Didier Picard

Date constructed 9/94

PLASMID NAME

pG/GFP

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

pUC

other relevant source constructs

pSGF

Inserts green-fluorescent protein (GFP) cDNA

Reporter gene

Promoter,
splice,
PolyA - GPD promoter

Comments 5' untranslated leader was modified by PCR. BamHI-NcoI fragment was from PCR product.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.10.94

Constructed by Rainer Warth

Date constructed 3.3.1995

PLASMID NAME

pG/F.ER

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG/GFP

bacterial plasmid

pUC

other relevant source constructs

pSp6/HE14 a

Inserts green-fluorescent protein (GFP) fused to the N-terminal end of the hormone binding domain (HBD) of human estrogen receptor (ER).

Reporter gene

Promoter,
splice,
PolyA - GPD promoter

Comments BamHI site was introduced by PCR at stop codon for fusion to ER. NcoI-BamHI fragment of GFP was from PCR product. ER HBD contains Val400 mutation.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

349

Date entered

3.10.94

Constructed by

Louvion Jean-François

Date constructed

08.1994

PLASMID NAME

pG1/GCN4.MR

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

other relevant source constructs

VA/GCN4.MR

Inserts yeast (SC) GCN4 fused to rMR Hormone Binding Domain

Reporter gene

Promoter, glyceraldehyde-3-phosphate dehydrogenase (GPD)
splice, termination and polyA sites from 3-phosphoglycerate kinase (PGK)
PolyA

Comments strong expression from constitutive promoter

Reference Schena M. et al (1991) Methods in Enzymology 194:389-398.

DIDIER PICARD LAB, University of Geneva

Construct number

350

Date entered

3.10.94

Constructed by

Louvion Jean-François

Date constructed

08.1994

PLASMID NAME

pG1/GCN4.ER

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

other relevant source constructs

VA/GCN4.ER

Inserts yeast (SC) GCN4 fused to hER Hormone Binding Domain

Reporter gene

Promoter, glyceraldehyde-3-phosphate dehydrogenase (GPD)
splice, termination and polyA sites from 3-phosphoglycerate kinase (PGK)
PolyA

Comments strong expression from constitutive promoter

Reference Schena M. et al (1991) Methods in Enzymology 194:389-398.

DIDIER PICARD LAB, University of Geneva

Construct number

351

Date entered

3.10.94

Constructed by

Louvion Jean-François

Date constructed

09 1994

PLASMID NAME

pG1/GCN4.Ar

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

other relevant source constructs

lotus 2
pBSKS/rAR

Inserts yeast (SC) GCN4 fused to rAR Hormone Binding Domain

Reporter gene

Promoter, glyceraldehyde-3-phosphate dehydrogenase (GPD)
splice, termination and polyA sites from 3-phosphoglycerate kinase (PGK)
PolyA

Comments strong expression from constitutive promoter

Reference Schena M. et al (1991) Methods in Enzymology 194:389-398.

DIDIER PICARD LAB, University of Geneva

Construct number

352

Date entered

5.10.94

Constructed by

Olfa Hooft van Huijsduijnen

Date constructed

PLASMID NAME

pLex A-c-abl (IV) (48-630) K-

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pBTM116

bacterial plasmid

other relevant source constructs

puc c-abl(IV) (163-1645), p2HA/GAL4 C4K-

Inserts

LexA fused to murine c-Abl type IV, from aa48 to 630 with K290 mutation.

Reporter gene

Promoter, ADH1 promoter
splice, ADH terminator
PolyA

Comments

pBTM116 was constructed by Paul Bartel and Stan Fields (for acknowledgments).

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

353

Date entered

7.10.94

Constructed by

gift of M.Eilers

Date constructed

PLASMID NAME

hcdk2

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

human cdk2 suggested digestion : BamH1

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

354

Date entered

7.10.94

Constructed by

gift of M.Eilers

Date constructed

PLASMID NAME

cyclin D1

bacterial marker

Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

mouse cyclin D1 suggested digestion for probe preparation EcoR1

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

355

Date entered

7.10.94

Constructed by

gift of M.Eilers

Date constructed

PLASMID NAME

cyclin D2

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

mouse cyclin D2 suggested digestion for probe preparation EcoR1

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

356

Date entered

7.10.94

Constructed by

gift of M.Eilers

Date constructed

PLASMID NAME

cyclin E

bacterial marker

Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

mouse cyclin E suggested digestion for probe preparation EcoR1

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

357

Date entered

7.10.94

Constructed by

gift of M.Eilers

Date constructed

PLASMID NAME

cyclin A

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

mouse cyclin A suggested digestion for probe preparation EcoR1

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

358

Date entered

7.10.94

Constructed by

gift of B.Mayer

Date constructed

PLASMID NAME

GDN-G

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

pGDN

bacterial plasmid

other relevant source constructs

Inserts

mouse c-abl type IV coding region Δ XB variant
 Δ XB deletion (Δ of AA 72-126)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Mol. and Cell Biol. May 1994, p.2883-2894

DIDIER PICARD LAB, University of Geneva

Construct number

359

Date entered

7.10.94

Constructed by

gift of B.Mayer

Date constructed

PLASMID NAME

GDN-GSC

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

mouse c-abl type IV coding region Δ XB variant Δ XB deletion (Δ of AA 72-126) in which the catalytic domain is from Src

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Mol. and Cell Biol. May 1994, p.2883-2894

DIDIER PICARD LAB, University of Geneva

Construct number

360

Date entered

7.10.94

Constructed by

gift of B.Mayer

Date constructed

PLASMID NAME

GDN-GSCS

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

bacterial plasmid

other relevant source constructs

Inserts

mouse c-abl type IV coding region Δ XB variant Δ XB deletion (Δ of AA 72-126) in which SH2 and catalytic domain are derived from Src

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Mol. and Cell Biol. May 1994, p.2883-2894

DIDIER PICARD LAB, University of Geneva

Construct number

361

Date entered

7.10.94

Constructed by

gift of B.Mayer

Date constructed

PLASMID NAME

GDN-GSCC

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

bacterial plasmid

other relevant source constructs

Inserts

mouse c-abl type IV coding region Δ XB variant Δ XB deletion (Δ of AA 72-126) in which SH2 derived from Crk and the catalytic domain derived from Src

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Mol. and Cell Biol. May 1994, p.2883-2894

DIDIER PICARD LAB, University of Geneva

Construct number

362

Date entered

7.10.94

Constructed by

gift of B.Mayer

Date constructed

PLASMID NAME

GDN-GC

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

bacterial plasmid

other relevant source constructs

Inserts

mouse c-abl type IV coding region Δ XB variant Δ XB deletion (Δ of AA 72-126) in which the SH2 domain is from Crk

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Mol. and Cell Biol. May 1994, p.2883-2894

DIDIER PICARD LAB, University of Geneva

Construct number

363

Date entered

14.10.94

Constructed by

Louvion Jean-François

Date constructed

oct 1994

PLASMID NAME

p2UG/F

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2UG

bacterial plasmid

pUC18

other relevant source constructs

pG/GFP

Inserts Green fluorescent protein (GFP) coding sequences

Reporter gene

Promoter,
splice,
PolyA GRE (26 mer x3)- cyc1

Comments

Reference p2UG: Picard et al. 1990, Gene **86**:257-261.

DIDIER PICARD LAB, University of Geneva

Construct number

364

Date entered

14.10.94

Constructed by

Louvion Jean-François

Date constructed

oct 1994

PLASMID NAME

pYES/F

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES

bacterial plasmid

other relevant source constructs

pG/GFP

Inserts Green fluorescent protein (GFP) coding sequences

Reporter gene

Promoter,
splice,
PolyA GAL1/10

Comments

Reference

Construct number

365

Date entered

14.10.94

Constructed by

Bartel & Fields

Date constructed

PLASMID NAME

pBTM116

bacterial marker Amp

parent vector

bacterial plasmid

yeast marker TRP1

other relevant source constructs

eucaryotic replicon 2μ circle

Inserts LexA DNA binding domain

Reporter gene

Promoter, splice, PolyA ADH1 promoter and ADH1 terminator

Comments - Possibility to produce fusion protein that will bind to a Lex A operator
- see also "map" layout for details on MCS

Reference

LexA DNA binding domain (DNA-BD)

ATT GAA GGG CTG GCG GTT GGG GTT ATT CGC AAC GGC GAC TGG CTG
I E G L A V G V I R N G D W L

MCS

→ EcoRI SmaI BamHI SalI PstI stop
GAA TTC CCG GGG ATC CGT CGA CCT GCA GCC AAG CTA ATT CCG GGC
E F P G I R R P A A K L I P G

stop stop
GAA TTT CTT ATG ATT TAT GAT TTT TAT TAT TAA
E F L M I Y D F Y Y *

DIDIER PICARD LAB, University of Geneva

Construct number

366

Date entered

14.10.94

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pBTM116.ER.VP16

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pBTM116

bacterial plasmid

other relevant source constructs

pHCA/GAL4.ER.VP16

Inserts

LexA DNA Binding Domain fused to the hER (V) Hormone Binding Domain fused to VP16 activation Domain

Reporter gene

Promoter,
splice,
PolyA

Comments

Possibility to produce fusion protein that will bind to a Lex A operator

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

367

Date entered

14.10.94

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pBTM116.ER

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pBTM116

bacterial plasmid

other relevant source constructs

pHCA/GAL4.ER.VP16

p2HG/hER

Inserts

LexA DNA Binding Domain fused to the hER (V) Hormone Binding Domain

Reporter gene

Promoter,
splice,
PolyA

Comments

Possibility to produce fusion protein that will bind to a Lex A operator

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

368

Date entered

28.10.94

Constructed by

Louvion Jean-François

Date constructed

oct 1994

PLASMID NAME

p2U/F.ER

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U (pRS306)

bacterial plasmid

other relevant source constructs

pG/GFP
pHCA/GAL4.ER

Inserts

Green fluorescent protein (GFP) coding sequences fused to the hER (V400) hormone binding domain (282-595).

Reporter gene

Promoter,
splice,
PolyA GPD (constitutive)

Comments

Reference

Construct number

369

Date entered

21.11.94

Constructed by

Tatchell lab

Date constructed

1987

PLASMID NAME

p73a

bacterial marker Amp

yeast marker URA3

parent vector

bacterial plasmid

other relevant source constructs

Inserts BCY1 gene disruption construct

Reporter gene

Promoter,
splice,
PolyA

Comments cut with BamH1 for transformation and select for URA3

Reference Cannon and Tatchell (1987) MCB 7, 2653-2663

Construct number

370

Date entered

21.11.94

Constructed by

Nic Jones

Date constructed

PLASMID NAME

p89(lex RB)

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

other relevant source constructs

Inserts Lex A fused to Rb pocket and C-terminal region. No N-terminal region

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

371

Date entered

21.11.94

Constructed by

Nic Jones

Date constructed

PLASMID NAME

p98(plexRB)

bacterial marker Amp

vertebrate marker

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

other relevant source constructs

Inserts

LexA fused to RB pocket and C-terminal region without the N-terminal one.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

372

Date entered

21.11.94

Constructed by

NIC

Date constructed

PLASMID NAME

p93(VP16-E1A)

bacterial marker

yeast marker TRP1

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

374

Date entered

12.12.94

Constructed by

Louvion Jean-François

Date constructed

oct 1994

PLASMID NAME

p2H/GRE.F

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

pUC18

other relevant source constructs

p2UG/F
pG/GFP

Inserts Green fluorescent protein (GFP) coding sequences

Reporter gene

Promoter,
splice,
PolyA GRE (26 mer x3)- cyc1

Comments

Reference p2UG: Picard et al. 1990, Gene **86**:257-261.

Construct number

375

Date entered

9.1.95

Constructed by

Richard Miksicek Lab

Date constructed

PLASMID NAME

pCMV.ER (wt)

bacterial marker Amp

parent vector

pCMV4

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts WT estrogen receptor (human)

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - hGH 3' sequence
PolyA

Comments ER cDNA subcloned as a BamH I / Mlu I fragment into the Bgl II / Mlu I sites of the pCMV4

Reference Neff, S. et al. Mol. Endocrinology 8: 1215-1223 (1994)

Construct number

376

Date entered

9.1.95

Constructed by

Richard Miksicek Lab

Date constructed

PLASMID NAME

pCMV.ER C447S

bacterial marker Amp

parent vector

pCMV4

bacterial plasmid

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts human ER with C447S mutation

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - hGH 3' sequence
PolyA

Comments ER cDNA subcloned as a BamH I / Mlu I fragment into the Bgl II / Mlu I sites of the pCMV4

Reference Neff, S. et al. Mol. Endocrinology 8: 1215-1223 (1994)

Construct number

377

Date entered

9.1.95

Constructed by

Richard Miksicek Lab

Date constructed

PLASMID NAME

pCMV.ER A505V

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts human ER with A505V mutation

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - hGH 3' sequence
PolyA

Comments ER cDNA subcloned as a BamH I / Mlu I fragment into the Bgl II / Mlu I sites of the pCMV4

Reference Neff, S. et al. Mol. Endocrinology 8: 1215-1223 (1994)

Construct number

378

Date entered

10.1.95

Constructed by

Pouysségur lab

Date constructed

PLASMID NAME

MAPK-1

bacterial marker kan

vertebrate marker Neo (G418)

parent vector

bacterial plasmid

other relevant source constructs

Inserts MAP + TAG

Reporter gene

Promoter,
splice,
PolyA CMV

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.1.95

Constructed by Rainer Warth

Date constructed Dec. 1994

PLASMID NAME

bacterial marker Amp

parent vector

pET15b

bacterial plasmid

pBR322

other relevant source constructs

pDS56/RBII6xHIShsp82

Inserts yeast hsp82 with 6xHis tag

Reporter gene

Promoter, T7 promoter
splice,
PolyA

Comments

Reference Abbas-Terki et al. (2001) Mol. Cell. Biol. 21, 7569–7575.

DIDIER PICARD LAB, University of Geneva

Construct number

388

Date entered

27.1.95

Constructed by

Pierre-André Briand

Date constructed

9/95

PLASMID NAME

F.C447S

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pGFP-C2

bacterial plasmid

pUC

other relevant source constructs

pCMV.ER C447S

Inserts GFP fused to human estrogen receptor (ER) with C447S point mutation

Reporter gene

Promoter, - CMV enhancer, promoter
splice, - SV40 polyA
PolyA

Comments

Reference for C447S mutation: Neff et al. (1994) Mol. Endocrinology 8: 1215-1223

Construct number

379

Date entered

27.1.95

Constructed by

DAVID E. LEVIN's lab

Date constructed

PLASMID NAME

YEp351

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

?

other relevant source constructs

Inserts S. cerevisiae MPK1 gene

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference may be similar to YEp13[MPK1] mentioned in MCB 13 (1993) 3067-3075

DIDIER PICARD LAB, University of Geneva

Construct number

380

Date entered

27.1.95

Constructed by

Pierre-André Briand

Date constructed

9/95

PLASMID NAME

F.S118A-C447S

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pGFP-C2

bacterial plasmid

pUC

other relevant source constructs

HE457, pCMV.ER C447S

Inserts GFP fused to human estrogen receptor (ER) with S118A and C447S point mutations

Reporter gene

Promoter, - CMV enhancer, promoter
splice, - SV40 polyA
PolyA

Comments

Reference for S118A mutation: Ali et al. (1993) EMBO J. 12, 1153-1160.
for C447S mutation: Nef et al. (1994) Mol. Endocrinol. 8, 1215-1223.

DIDIER PICARD LAB, University of Geneva

Construct number

393

Date entered

21.2.95

Constructed by

gift of Bruce Mayer

Date constructed

3.1995

PLASMID NAME

GDN-GS

bacterial marker

Amp

Neo (G418)

parent vector

pDGN-GC

bacterial plasmid

other relevant source constructs

Inserts

mouse c-abl type IV coding region Δ XB variant Δ XB deletion (Δ of AA 72-126) in which the SH2 domain is from Src

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

394

Date entered

21.2.95

Constructed by

Tiziana Mattioni

Date constructed

1.1995

PLASMID NAME

pGDN-GSC-S:ER

bacterial marker

Amp

Neo (G418)

parent vector

pGDN-GSCS

bacterial plasmid

other relevant source constructs

Inserts

mouse c-abl type IV coding region Δ XB variant Δ XB deletion (Δ of AA 72-126) in which SH2 and catalytic domain are derived from Src truncated at aa 630 and fused with the HBD of the ER receptor

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Mattioni, T., Mayer, B.J. & Picard, D. (1996). FEBS Lett., 390, 170-174.

DIDIER PICARD LAB, University of Geneva

Construct number

395

Date entered

21.2.95

Constructed by

Tiziana Mattioni

Date constructed

3.1995

PLASMID NAME

pGDN-GS:ER

bacterial marker

Amp

Neo (G418)

parent vector

pGDN-GS

bacterial plasmid

other relevant source constructs

Inserts

mouse c-abl type IV coding region Δ XB variant Δ XB deletion (Δ of AA 72-126) in which the SH2 domain is from Src truncated at aa 630 and fused with the HBD of the ER receptor

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Mattioni, T., Mayer, B.J. & Picard, D. (1996). FEBS Lett., 390, 170-174.

DIDIER PICARD LAB, University of Geneva

Construct number

396

Date entered

21.2.95

Constructed by

Tiziana Mattioni

Date constructed

1.1995

PLASMID NAME

pGDN-G:ER

bacterial marker

Neo (G418)

parent vector

bacterial plasmid

other relevant source constructs

Inserts

mouse c-abl type IV coding region Δ XB variant
 Δ XB deletion (Δ of AA 72-126) truncated at aa 630 and fused with the
HBD
of the ER receptor

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Mattioni, T., Mayer, B.J. & Picard, D. (1996). FEBS Lett., 390, 170-174.

DIDIER PICARD LAB, University of Geneva

Construct number

397

Date entered

21.2.95

Constructed by

Tiziana Mattioni

Date constructed

1.1995

PLASMID NAME

pGDN-GC-ER

bacterial marker

Neo (G418)

parent vector

bacterial plasmid

other relevant source constructs

Inserts

mouse c-abl type IV coding region Δ XB variant Δ XB deletion (Δ of AA 72-126) in which the SH2 domain is from Crk truncated at aa 630 and fused with the HBD of the ER receptor

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

398

Date entered

21.2.95

Constructed by

Tiziana Mattioni

Date constructed

1.1995

PLASMID NAME

pGDN-GSCC-ER

bacterial marker

Neo (G418)

parent vector

bacterial plasmid

other relevant source constructs

Inserts

mouse c-abl type IV coding region Δ XB variant Δ XB deletion (Δ of AA 72-126) in which SH2 derived from Crk and the catalytic domain derived from Src truncated at aa 630 and fused with the HBD of the ER receptor

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

399

Date entered

21.2.95

Constructed by

Tiziana Mattioni

Date constructed

1.1995

PLASMID NAME

pGDN-GSC:ER

bacterial marker

Neo (G418)

parent vector

bacterial plasmid

other relevant source constructs

Inserts

mouse c-abl type IV coding region Δ XB variant Δ XB deletion (Δ of AA 72-126) in which the catalytic domain is from Src truncated at aa 630 and fused with the HBD of the ER receptor

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Mattioni, T., Mayer, B.J. & Picard, D. (1996). FEBS Lett., 390, 170-174.

Construct number

400

Date entered

23.2.95

Constructed by

Promega

Date constructed

PLASMID NAME

pSP-luc+

bacterial marker

Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

New luciferase gene that lacks all the cryptic sites

Reporter gene

luciferase

Promoter,
splice,
PolyA

no promoter

Comments

Reference

Construct number

401

Date entered

24.2.95

Constructed by

Invitrogen

Date constructed

PLASMID NAME

pTrcHis A

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

E. coli expression vector with trc promoter and His tag; vector also carries lacIq repressor

Reporter gene

Promoter,
splice,
PolyA

trc promoter, lac operator

Comments

Reference

Construct number

402

Date entered

24.2.95

Constructed by

Invitrogen

Date constructed

PLASMID NAME

pTrcHis B

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

E. coli expression vector with trc promoter and His tag; vector also carries lacIq repressor

Reporter gene

Promoter,
splice,
PolyA trc promoter, lac operator

Comments see pTrcHis A for details

Reference

Construct number

403

Date entered

24.2.95

Constructed by

Invitrogen

Date constructed

PLASMID NAME

pTrcHis C

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

E. coli expression vector with trc promoter and His tag; vector also carries lacIq repressor

Reporter gene

Promoter,
splice,
PolyA trc promoter, lac operator

Comments see pTrcHis A for details

Reference

Construct number

404

Date entered

24.2.95

Constructed by

Invitrogen

Date constructed

PLASMID NAME

pTrcHis-CAT

bacterial marker

Amp

parent vector

pTrcHis

bacterial plasmid

other relevant source constructs

Inserts

CAT with His tag

Reporter gene

Promoter,
splice,
PolyA

trc promoter, lac operator

Comments

Reference

Construct number

405

Date entered

24.2.95

Constructed by

Roger Tsien lab

Date constructed

1994

PLASMID NAME

pGEMEX/GFP (Y66H)

bacterial marker Amp

parent vector

pGEMEX-2

bacterial plasmid

other relevant source constructs

gfp clone 10.1

Inserts green fluorescent protein (GFP) with point mutation Y66H (P4)

Reporter gene

Promoter,
splice,
PolyA

Comments fluoresces blue (excitation at 382 nm, emission at 448 nm).

Reference Heim et al. (1994) PNAS 91, 12501-12504.

Construct number

406

Date entered

24.2.95

Constructed by

Schaffner lab

Date constructed

PLASMID NAME

2GOVEC

bacterial marker Amp

parent vector

OVEC

bacterial plasmid

pUC18

other relevant source constructs

Inserts

Reporter gene β -globin

Promoter, - 2xGal4 binding sites upstream of rabbit β -globin ATA box
splice, - rabbit β -globin IVS2
PolyA - rabbit β -globin polyA

Comments

Reference Seipel et al. (1992) EMBO J.

Construct number

407

Date entered

24.2.95

Constructed by

Schaffner lab

Date constructed

PLASMID NAME

5GOVEC

bacterial marker Amp

parent vector

OVEC

bacterial plasmid

pUC18

other relevant source constructs

Inserts

Reporter gene β -globin

Promoter, - 5xGal4 binding sites upstream of rabbit β -globin ATA box
splice, - rabbit β -globin IVS2
PolyA - rabbit β -globin polyA

Comments

Reference Seipel et al. (1992) EMBO J.

Construct number

408

Date entered

24.2.95

Constructed by

Schaffner lab

Date constructed

≤ 1995

PLASMID NAME

Gal-luc

bacterial marker

Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

luciferase

Promoter,
splice,
PolyA

- 5xGal4 binding sites

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

409

Date entered

24.2.95

Constructed by

Didier Picard

Date constructed

2/95

PLASMID NAME

pTZ3B

bacterial marker Amp

parent vector

pTZ3

bacterial plasmid

pSP71

other relevant source constructs

Inserts

C-terminal part of β -galactosidase (starting at Bcl I site)

Reporter gene

Promoter,
splice,
PolyA

Comments

for cloning 5' flanking regions of enhancer trap transgenes

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 24.2.95

Constructed by Didier Picard

Date constructed 2 / 95

PLASMID NAME

pTZ5B

bacterial marker Amp

parent vector

pTZ5

bacterial plasmid

pSP71

other relevant source constructs

G46TNZ

Inserts 5' sequences of transgene G46TNZ; includes GRE, TK promoter and 5' end of β -galactosidase (down to Bcl I site)

Reporter gene

Promoter,
splice,
PolyA

Comments for cloning 3' flanking regions of enhancer trap transgenes

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

411

Date entered

24.2.95

Constructed by

Didier Picard

Date constructed

2 / 95

PLASMID NAME

pyCyp40

bacterial marker Amp

parent vector

pUC18

bacterial plasmid

pUC18

other relevant source constructs

Inserts

- putative yeast cyclophilin-40 (Cyp40) homologue
- gene roughly maps to nt 33000-35000 of Genbank entry Sch816 (acc. # U14913).

Reporter gene

Promoter,
splice,
PolyA

Comments

PstI-SnaBI fragment of PCR product (amplified with oligos N70 and N71)

Reference

Warth, R., Briand, P.A. and Picard, D. (1997) Functional analysis of the yeast 40 kDa cyclophilin Cyp40 and its role for viability and steroid receptor regulation. Biol. Chem., 378, 381-391.

Construct number

413

Date entered

24.2.95

Constructed by

Howard Bussey lab

Date constructed

PLASMID NAME

YEP24-KRE6

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

YEP24

bacterial plasmid

other relevant source constructs

Inserts 4.6 kb BamHI/SalI fragment containing the yeast KRE6 coding sequence

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Roemer and Bussey (1991) PNAS 88:11295-11299

DIDIER PICARD LAB, University of Geneva

Construct number

414

Date entered

27.2.95

Constructed by

louvion Jean-François

Date constructed

feb 1995

PLASMID NAME

pCA/gal*hsp82

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pTT8*

Inserts yeast HSP82 coding sequences

Reporter gene

Promoter, mutated GAL promoter (5-10 % hsp82 expression in 2 % glucose)
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

415

Date entered

7.3.95

Constructed by

Didier Picard

Date constructed

3.95

PLASMID NAME

pTrc/Abl(15-607)

bacterial marker Amp

parent vector

pTrcHis B

bacterial plasmid

other relevant source constructs

pUC/Abl(15-607)

Inserts

His tag fused to murine c-Abl type IV, amino acids 15-607

Reporter gene

Promoter,
splice,
PolyA trc promoter, lac operator

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.3.95

Constructed by Didier Picard

Date constructed 3.95

PLASMID NAME

pTrc/HSP82C

bacterial marker Amp

parent vector

pTrcHis B

bacterial plasmid

other relevant source constructs

pTCA/HSP82

Inserts His tag fused to yeast HSP82, amino acids 170-709

Reporter gene

Promoter,
splice,
PolyA trc promoter, lac operator

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.3.95

Constructed by Didier Picard

Date constructed 3.95

PLASMID NAME

pTrc/ABA1-3

bacterial marker Amp

parent vector

pTrcHis C

bacterial plasmid

other relevant source constructs

ABA1 clone 3

Inserts His tag fused to a part of ABA1 (clone 3), contains ankyrin repeats

Reporter gene

Promoter,
splice,
PolyA trc promoter, lac operator

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.3.95

Constructed by Didier Picard

Date constructed 3.95

PLASMID NAME

pSGFB

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSGF

bacterial plasmid

Bluescribe M13+

other relevant source constructs

pGEMEX/GFP (Y66H)

Inserts green fluorescent protein (GFP) with point mutation Y66H (P4)

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

- expression vector replicates in COS cells.
- fluorescence is blue for same excitation wave length as wt GFP

Reference for pSG5: Green et al. (1988) NAR 16, 369.
for pGEMEX/GFP (Y66H): Heim et al. (1994) PNAS 91, 12501-12504.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.3.95

Constructed by Didier Picard

Date constructed 3 / 95

PLASMID NAME

pHCA/yCyp40

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

BLUESCRIPT

other relevant source constructs

pyCyp40

Inserts

- putative yeast cyclophilin-40 (Cyp40) homologue; coding region with flanking regions.
- gene roughly maps to nt 33000-35000 of Genbank entry Sch816 (acc. # U14913).

Reporter gene

Promoter, Cyp40 promoter
splice,
PolyA

Comments

Reference for pRS313: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.

Construct number

420

Date entered

27.4.95

Constructed by

Simak Ali in Chambon lab

Date constructed

PLASMID NAME

HE457

bacterial marker Amp

parent vector
pSG-HEGO
bacterial plasmid

other relevant source constructs

Inserts

full-length human estrogen receptor (hER) cDNA with S118A mutation; ORF inserted at EcoRI site. Serine codon is changed GCG (Alanine), thus introducing a Nar1 site.

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

- note that the expression vector is NOT pSG5, it's an older version of it where the T7 primer is 5' to the intron preceding the inserted ORF.

Reference

Ali et al. (1993) EMBO J. 12, 1153-1160

Construct number

421

Date entered

27.4.95

Constructed by

Simak Ali in Chambon lab

Date constructed

PLASMID NAME

HE458

bacterial marker Amp

parent vector
pSG-HEGO
bacterial plasmid

other relevant source constructs

Inserts full-length human estrogen receptor (hER) cDNA with S118E mutation;
ORF inserted at EcoRI site.

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

- see comment about sequence in sequence layout.
- note that the expression vector is NOT pSG5, it's an older version of it where the T7 primer is 5' to the intron preceding the inserted ORF.

Reference Ali et al. (1993) EMBO J. 12, 1153-1160

Construct number

422

Date entered

1.5.95

Constructed by

Bruce Mayer

Date constructed

≤ 1991

PLASMID NAME

pGST-SH2(Abl)

bacterial marker Amp

parent vector

pGEX-2T

bacterial plasmid

other relevant source constructs

Inserts

GST fused to SH2 domain of murine c-ABL

Reporter gene

Promoter,
splice,
PolyA

Comments

(BamHI linker was first inserted at HincII site at aa 144; then BamHI-HinPI fragment was subcloned into BamHI-SmaI of pGEX-2T)

Reference

Mayer et al. (1991) PNAS 88, 627-631.

Construct number

423

Date entered

1.5.95

Constructed by

Rusconi lab

Date constructed

1995

PLASMID NAME

pSCT-Z Ω

bacterial marker Amp

parent vector

pSCT

bacterial plasmid

pSP64

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts E. coli LacZ (β -galactosidase) with a deletion of amino acids 10-41 (Ω -fragment).

Reporter gene

Promoter, - CMV promoter and leader
splice, - rabbit β -globin splice and polyA
PolyA

Comments

Reference

Construct number

424

Date entered

1.5.95

Constructed by

Rusconi lab

Date constructed

1995

PLASMID NAME

pSCT-ZN85

bacterial marker Amp

parent vector

pSCT

bacterial plasmid

pSP64

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts

E. coli LacZ (β -galactosidase) amino acids 1-85 + ~ 4 extra amino acids + stop.

Reporter gene

Promoter, - CMV promoter and leader
splice, - rabbit β -globin splice and polyA
PolyA

Comments complements Ω -fragment.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 1.5.95

Constructed by Didier Picard

Date constructed 3 / 95

PLASMID NAME

pL Δ Cyp

bacterial marker Amp

yeast marker LEU2

parent vector

bacterial plasmid

pUC18

other relevant source constructs

pSP6leu2, pyCyp40, p Δ Cyp40::LEU2

Inserts gene disruption construct for the putative yeast Cyp40 gene; deletes major part of coding region leaving a few hundred bp on either side of LEU2 gene insertion.

Reporter gene

Promoter,
splice,
PolyA

Comments plasmid can be cut away with XbaI and SacI

Reference Warth, R., Briand, P.A. and Picard, D. (1997) Functional analysis of the yeast 40 kDa cyclophilin Cyp40 and its role for viability and steroid receptor regulation. Biol. Chem., 378, 381-391.

DIDIER PICARD LAB, University of Geneva

Construct number

426

Date entered

1.5.95

Constructed by

Didier Picard

Date constructed

4 / 95

PLASMID NAME

pU Δ Cyp

bacterial marker Amp

yeast marker URA3

parent vector

bacterial plasmid

pUC18

other relevant source constructs

pHR35, pyCyp40

Inserts

gene disruption construct for the putative yeast Cyp40 gene; deletes major part of coding region leaving a few hundred bp on either side of URA3 gene insertion.

Reporter gene

Promoter,
splice,
PolyA

Comments plasmid can be cut away with XbaI and SacI

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 1.5.95

Constructed by Didier Picard

Date constructed 4 / 95

PLASMID NAME

pNEF/F

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pNEF

bacterial plasmid

pBS and BS(+)

other relevant source constructs

pG/GFP

Inserts green fluorescent protein (GFP)

Reporter gene

Promoter,
splice,
PolyA

- human elongation factor 1 α (EF-1 α) promoter.
- first intron from EF-1 α gene.
- SV40 poly A (in late orientation).
- plasmid contains SV40 origin (pos. 5092-128), early promoter same orientation as EF-1 α promoter.

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 1.5.95

Constructed by Didier Picard

Date constructed 4 / 95

PLASMID NAME

pNEF/FB

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pNEF

bacterial plasmid

pBS and BS(+)

other relevant source constructs

pG/GFP, pGEMEX/GFP(Y66H)

Inserts green fluorescent protein (GFP) with point mutation Y66H (P4)

Reporter gene

Promoter,
splice,
PolyA

- human elongation factor 1 α (EF-1 α) promoter.
- first intron from EF-1 α gene.
- SV40 poly A (in late orientation).
- plasmid contains SV40 origin (pos. 5092-128), early promoter same orientation as EF-1 α promoter.

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 1.5.95

Constructed by Didier Picard

Date constructed 4 / 95

PLASMID NAME

pNEF/F.ER

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pNEF

bacterial plasmid

pBS and BS(+)

other relevant source constructs

pG/GFP, N524.HE14, p2U/F.ER

Inserts green fluorescent protein (GFP) fused to hormone binding domain (HBD) of the human estrogen receptor (hER). HBD has V400 mutation.

Reporter gene

Promoter,
splice,
PolyA

- human elongation factor 1 α (EF-1 α) promoter.
- first intron from EF-1 α gene.
- SV40 poly A (in late orientation).
- plasmid contains SV40 origin (pos. 5092-128), early promoter same orientation as EF-1 α promoter.

Comments

Reference

Construct number

430

Date entered

2.5.95

Constructed by

Date constructed

PLASMID NAME

pRS415

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments identical to pRS315 except for polylinker which is from pBLUESCRIPT II

Reference Genetics 122: 19-27 (May,1989)

DIDIER PICARD LAB, University of Geneva

Construct number

431

Date entered

9.5.95

Constructed by

Pierre-André Briand

Date constructed

5/95

PLASMID NAME

pGST.ABA1-3

bacterial marker

Amp

parent vector

pGEX-3X

bacterial plasmid

other relevant source constructs

ABA1 clone 3

Inserts

GST fused to part of ABA1 (clone 3), contains ankyrin repeats

Reporter gene

Promoter,
splice,
PolyA

IPTG-inducible tac promoter

Comments

ABA1 can be cleaved off with Factor X

Reference

for pGEX-3X: Gene 67 (1988) 31-40

Construct number

432

Date entered

22.5.95

Constructed by

CLONTECH

Date constructed

PLASMID NAME

pGFP-C2

bacterial marker kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

bacterial plasmid

pUC

other relevant source constructs

Inserts

pGFP-C2 allows genes cloned into a multiple cloning site (MCS) at the 3' end of the GFP coding sequences to be expressed as fusions to the C-terminus of GFP.

Reporter gene

Promoter,
splice,
PolyA CMV

Comments

Reference

Construct number

433

Date entered

1.6.95

Constructed by

Nicolas Fasel

Date constructed

PLASMID NAME

pLK-neo1

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

bacterial plasmid

pBR322?

other relevant source constructs

Inserts

Reporter gene

Promoter, - variant MMTV LTR (glucocorticoid inducible)
splice,
PolyA - SV40 polyA

Comments vector for glucocorticoid inducible expression of cDNA. Stable cell lines can be selected with neo. pLK-neo2 has polylinker in reverse orientation.

Reference Hirt et al. (1992) Gene 111, 199-206

Construct number

434

Date entered

1.6.95

Constructed by

Nicolas Fasel

Date constructed

PLASMID NAME

pLK-neo2

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

bacterial plasmid

pBR322?

other relevant source constructs

Inserts

Reporter gene

Promoter, - variant MMTV LTR (glucocorticoid inducible)
splice,
PolyA - SV40 polyA

Comments vector for glucocorticoid inducible expression of cDNA. Stable cell lines can be selected with neo. pLK-neo1 has polylinker in reverse orientation.

Reference Hirt et al. (1992) Gene 111, 199-206

DIDIER PICARD LAB, University of Geneva

Construct number

435

Date entered

5.6.95

Constructed by

Rainer Warth

Date constructed

PLASMID NAME

pF.HEI4

bacterial marker Kan

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

for map please look for pF.HEI4 which is the same vector
DP

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

436

Date entered

22.6.95

Constructed by

Pierre-André Briand

Date constructed

9/95

PLASMID NAME

GR.ER(G)

bacterial marker Amp

parent vector

pC7

bacterial plasmid

Bluescript

other relevant source constructs

N524.HE14, pCMV.ER(wt), pC7G

Inserts

rat glucocorticoid receptor (GR) with hormone binding domain (HBD) from human estrogen receptor (ER)

Reporter gene

Promoter, - CMV enhancer, promoter
splice, - SV40 polyA and splice
PolyA

Comments

the HBD of GR.ER(G) is the true wild-type with G400 as opposed to N524.HE14 which has the V400 mutation.

Reference

Bunone et al. (1996) EMBO J. 15, 2174-2183.

DIDIER PICARD LAB, University of Geneva

Construct number

437

Date entered

22.6.95

Constructed by

Pierre-André Briand

Date constructed

9/95

PLASMID NAME

pCMV.ER(S118A/C447S)

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pCMV.ER C447S

bacterial plasmid

other relevant source constructs

HE457

Inserts full-length human estrogen receptor (ER) with point mutations S118A and C447S

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - hGH 3' sequence
PolyA

Comments

Reference for S118A mutation: Ali et al. (1993) EMBO J. 12, 1153-1160.
for C447S mutation: Nef et al. (1994) Mol. Endocrinol. 8, 1215-1223.

Construct number

438

Date entered

30.6.95

Constructed by

Karl Matter

Date constructed

PLASMID NAME

BSSKT-HAocc

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

HA tag fused to N-terminal end of

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

439

Date entered

30.6.95

Constructed by

Pierre-André Briand

Date constructed

10/95

PLASMID NAME

F.cPR

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

cPR1

bacterial plasmid

?

other relevant source constructs

pNEF/F.ER

Inserts

GFP fused to full-length chicken progesterone receptor (PR)

Reporter gene

Promoter,
splice,
PolyA

SV40 early promoter

Comments

expression vector is pKCR2

Reference

for cPR1: Gronemeyer et al. (1987) EMBO J. 6, 3985-3994
for pKCR2: NAR 11, 7119-7136 (1983)

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.6.95

Constructed by Jiawei Liu

Date constructed 02. 95

PLASMID NAME

p2HG/cPR

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

pRS303

bacterial plasmid

other relevant source constructs

cPR1

Inserts cPR: chicken progesterone receptor

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments

Reference cPR1: Gronemeyer et al. (1987) EMBO J. 6, 3985-3994

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.6.95

Constructed by Jiawei Liu

Date constructed 2.1995

PLASMID NAME

p2LG/cPR

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pRS305

bacterial plasmid

other relevant source constructs

p2HG/cPR

Inserts cPR: chicken progesterone receptor

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments

Reference cPR1: Gronemeyer et al. (1987) EMBO J. 6, 3985-3994

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.6.95

Constructed by Jiawei Liu

Date constructed 01.95

PLASMID NAME

p2LG/MAPK

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

p2LG

bacterial plasmid

other relevant source constructs

MAPK

Inserts MAP + TAG

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments

Reference MAPK: gift from Pouysségur lab

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.6.95

Constructed by Jiawei Liu

Date constructed 01.95

PLASMID NAME

pHCY/MAPKK

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

other relevant source constructs

MAPKK

Inserts MAPKK + TAG

Reporter gene

Promoter, GAL1 promoter (galactose inducible)
splice,
PolyA

Comments

Reference MAPKK: gift from Pouysségur lab

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.6.95

Constructed by Jiawei Liu

Date constructed 05.95

PLASMID NAME

p2LG/MAPK.gal1,10

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

p2LG

bacterial plasmid

other relevant source constructs

MAPK

Inserts MAP + TAG

Reporter gene

Promoter,
splice,
PolyA gal1 (h hsp90) and gal10 (r p59)

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

445

Date entered

3.7.95

Constructed by

Jiawei Liu

Date constructed

06.95

PLASMID NAME

p2LG/STE11cPRHBD

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pRS305

bacterial plasmid

other relevant source constructs

p2LG/STE11ER

Inserts

STE11 coding sequences fused in frame with sequences coding for the hormone binding domain of the chicken progesterone receptor (aa 540-786)

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase (GPD)

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 19.10.95

Constructed by Jiawei LIU

Date constructed 10.1995

PLASMID NAME

pYES/STE11 Δ N.cPRHBD

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES

bacterial plasmid

other relevant source constructs

pYES/STE11 Δ NER
PUC/cPRHBD.1,2

Inserts STE11 coding sequences (deleted for N-terminal sequences, start aa:341) fused to C- terminal of chicken progesterone receptor containing hormone binding domain (aa:495-786)

Reporter gene

Promoter, GAL1 promoter (galactose inducible)

splice,

PolyA Termination (?) sequences

Comments STE11 Δ N is a constitutive form of the yeast kinase (activated in the absence of α or a-factor)

Reference

Construct number

447

Date entered

7.7.95

Constructed by

Garabedian lab

Date constructed

PLASMID NAME

ΔETCO

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts ERE upstream of TK promoter driving CAT gene

Reporter gene CAT

Promoter,
splice,
PolyA ERE and HSV thymidine kinase (TK) promoter

Comments

Reference

Construct number

448

Date entered

7.7.95

Constructed by

Garabedian lab

Date constructed

PLASMID NAME

CMV-ER

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

bacterial plasmid

other relevant source constructs

Inserts human estrogen receptor (WT)

Reporter gene

Promoter, CMV promoter
splice, β -globin intron
PolyA

Comments

Reference MCB 13, 7813 (1993)

Construct number

449

Date entered

7.7.95

Constructed by

Garabedian lab

Date constructed

PLASMID NAME

MEK

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

constitutive active MAPKK (MEK)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

450

Date entered

15.7.95

Constructed by

Jiawei Liu

Date constructed

12-95

PLASMID NAME

pHCA/GAL4(848).cPRHBD

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pHCA/cPRHBD, pHCA/GAL4(848).ER

Inserts

GAL4 coding sequences (1-848) fused in frame with the C-terminus of chicken progesterone receptor containing hormone binding domain (aa: 495-786)

Reporter gene

Promoter, ADH promoter (constitutive)
splice,
PolyA

Comments

Reference

pRS313: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.
ADH promoter from pGG22 Gill and Ptashne, 1987, Cell 51: 121-126.

Construct number

452

Date entered

2.8.95

Constructed by

Handschumacher lab

Date constructed

≤ 1995

PLASMID NAME

p3X40

bacterial marker Amp

parent vector

pGEX-3X

bacterial plasmid

other relevant source constructs

Inserts

human cyclophilin-40 (Cyp-40) in bacterial expression vector.

Note that GST has been removed and that Cyp-40 is expressed with the N-terminal leading peptide MSPIDP

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Hoffmann et al. (1995) Eur. J. Biochem. 229, 188-193.

DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Louvion J-F

Date entered 4.8.95
 Date constructed 7.95

PLASMID NAME

p2U/flaghsp82

<u>bacterial marker</u> Amp	<u>parent vector</u> p2U
<u>yeast marker</u> URA3	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> 2 μ circle	<u>other relevant source constructs</u> p2U/fluhs82

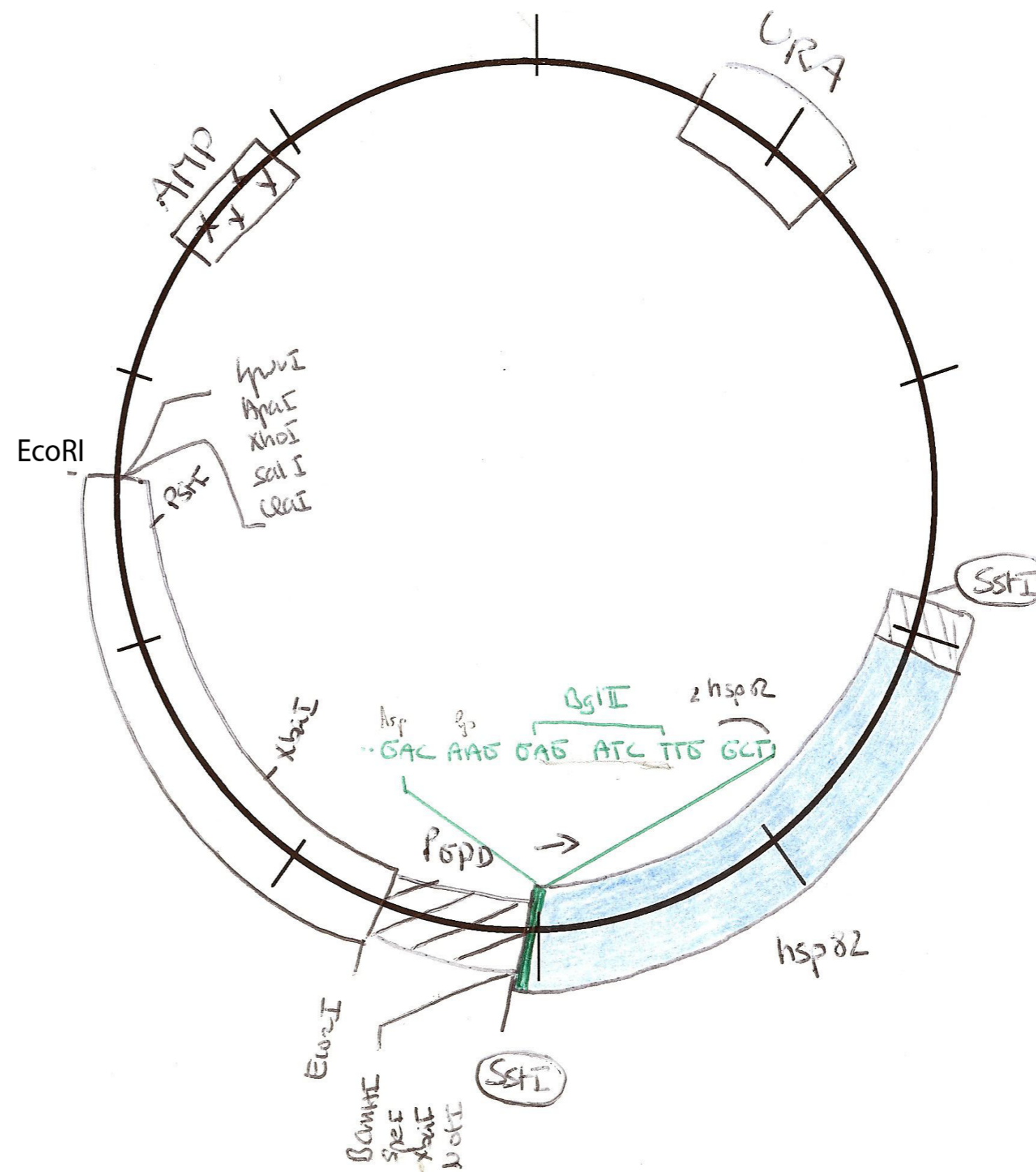
Inserts flag epitope (asp-tyr-lys-asp-asp-asp-lys) fused to hsp82 wt

Reporter gene

Promoter, splice, PolyA GPD (constitutive)

Comments - complete sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number
Constructed by Louvion J-F

Date entered 4.8.95
Date constructed 7.95

PLASMID NAME

p2U/GST.hsp82

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

other relevant source constructs

p2U/fluhs82

Inserts GST sequence (clone by PCR from pGEX1) fused to hsp82 wt

Reporter gene

Promoter, GPD (constitutive)
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.95

Constructed by Louvion J-F

Date constructed 7.95

PLASMID NAME

p2U/GST

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

Bluescript

other relevant source constructs

pUC/GST 3xstop

Inserts GST sequence (clone by PCR from pGEX1) followed by 3 stop codons

Reporter gene

Promoter, GPD (constitutive)
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number
Constructed by Louvion J-F

Date entered 4.8.95
Date constructed 7.95

PLASMID NAME

p2HG/GST

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

Bluescript

other relevant source constructs

p2U/GST

Inserts GST sequence (clone by PCR from pGEX1) followed by 3 stop codons

Reporter gene

Promoter, GPD (constitutive)
splice,
PolyA

Comments identical to p2U/GST except for marker/parent vector

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.95

Constructed by Louvion J-F

Date constructed 7.95

PLASMID NAME

p2U/GST.hsp82G313N

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

other relevant source constructs

p2U/flaghsp82
pTCA/hsp82G313N

Inserts GST sequence (clone by PCR from pGEX1) fused to hsp82 G313N

Reporter gene

Promoter, GPD (constitutive)
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.95

Constructed by Louvion J-F

Date constructed 7.95

PLASMID NAME

p2U/flaghsp82G313N

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

other relevant source constructs

p2U/flaghsp82
pTCA/hsp82G313N

Inserts flag epitope (asp-tyr-lys-asp-asp-asp-asp-lys) fused to hsp82 G313N

Reporter gene

Promoter, GPD (constitutive)
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.95

Constructed by Louvion J-F

Date constructed 7.95

PLASMID NAME

pUC/GST3xstop

bacterial marker Amp

parent vector

pUC 3 x stop

bacterial plasmid

pUC18

other relevant source constructs

pGEX1, p2U/GST.Hsp82

Inserts GST sequence (obtained by PCR from pGEX1)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number
Constructed by Louvion J-F

Date entered 4.8.95
Date constructed aout 95

PLASMID NAME

p2Tgal/STE11ΔN

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2μ circle

parent vector

pRS304

bacterial plasmid

other relevant source constructs

pYES/STE11ΔN

Inserts yeast STE11ΔN (deleted for N terminal sequence start aa: 341)

Reporter gene

Promoter, GAL
splice,
PolyA

Comments constitutive form of STE11 protein (yeast cell growth arrest when the protein is expressed)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

461

Date entered

4.8.95

Constructed by

Louvion Jean-François

Date constructed

about 95

PLASMID NAME

p2Tgal/STE11ΔN.ER

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2μ circle

parent vector

pRS304

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pYES/STE11ΔN.ER

Inserts

STE11 (deleted for N-terminal sequence, start; aa341) fused in frame with the hormone binding domain of hER (aa:282-595)

Reporter gene

Promoter,
splice,
PolyA

GAL

Comments

STE11ΔN is a constitutive form of the yeast kinase (activated in the absence of the pheromone)

Reference

pRS304: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

462

Date entered

4.8.95

Constructed by

Louvion Jean-François

Date constructed

about 95

PLASMID NAME

p2Tgal/STE11ΔN.MR

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2μ circle

parent vector

pRS304

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pYES/STE11ΔN.MR

Inserts

STE11 (deleted for N-terminal sequence, start; aa341) fused in frame with the hormone binding domain of rMR (685-981)

Reporter gene

Promoter,
splice,
PolyA

GAL

Comments

STE11ΔN is a constitutive form of the yeast kinase (activated in the absence of the pheromone)

Reference

pRS304: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.8.95

Constructed by Rainer Warth

Date constructed 2.2.1995

PLASMID NAME

pG/ER.F

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG/ER.106C

bacterial plasmid

pUC

other relevant source constructs

pG/GFP

Inserts green-fluorescent protein (GFP) fused to the C-terminal end of hormone binding domain (HBD) of human estrogen receptor (ER) (Val400)

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments SacI-NcoI insert was PCR'd from pGFP10.1

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.8.95

Constructed by Rainer Warth

Date constructed 31.1.95

PLASMID NAME

pG4

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG-1

bacterial plasmid

pUC

other relevant source constructs

Inserts Nco1 site was introduced between BamH1 and Sal1 site

Reporter gene

Promoter, glyceraldehyde-3-phosphate dehydrogenase (GPD)
splice, termination and polyA sites from 3-phosphoglycerate kinase (PGK)
PolyA

Comments strong expression from constitutive promoter

Reference for pG-1:
Schena M. et al (1991) Methods in Enzymology 194:389-398.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.8.95

Constructed by Rainer Warth

Date constructed Feb. 1995

PLASMID NAME

pG/his.hsp82

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG4

bacterial plasmid

pUC

other relevant source constructs

pET15b/His.hsp82
PDS56/RBSII6xHIShsp82

Inserts Yeast Hsp82 with 6xHis tag.
For sequence information concerning the *Nco*I- His.hsp82- *Sa*I insert refer to pET15b/His.hsp82 vector (DP387)

Reporter gene

Promoter, glyceraldehyde-3-phosphate dehydrogenase (GPD)
splice, termination and polyA sites from 3-phosphoglycerate kinase (PGK)
PolyA

Comments strong expression from constitutive promoter

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.8.95

Constructed by Rainer Warth

Date constructed July 1995

PLASMID NAME

pF.HE14

bacterial marker kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pGFP-C2

bacterial plasmid

pUC

other relevant source constructs

pSp6HE14s

Inserts GFP fused to HBD from human estrogen receptor (Val400)

Reporter gene

Promoter,
splice,
PolyA CMV

Comments

Reference

Construct number

468

Date entered

8.8.95

Constructed by

Dr. Dieter Zopf

Date constructed

6.2.95

PLASMID NAME

pZL47

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

yepubstu

bacterial plasmid

pBR322

other relevant source constructs

Inserts

GFP fused to the C-terminal end of human estrogen receptor (hER).

Reporter gene

Promoter,
splice,
PolyA

Cup1 promotor. For induction of the fusion protein a final concentration of 50 μ M CuSO₄ is required.

Comments

complete sequence available (ask Rainer)

Reference

Construct number

469

Date entered

11.8.95

Constructed by

Fink's lab

Date constructed

PLASMID NAME

pSB231

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

pBL101

bacterial plasmid

other relevant source constructs

Inserts Fus1 LacZ gene fusion

Reporter gene lacZ

Promoter,
splice,
PolyA Fus1

Comments

Reference Trueheart et al MCB 7:2316-2328

Construct number

470

Date entered

11.8.95

Constructed by

Fink's lab

Date constructed

PLASMID NAME

pSB234

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pBL101

bacterial plasmid

other relevant source constructs

Inserts

Fus1 LacZ gene fusion

Reporter gene

lacZ

Promoter,
splice,
PolyA

Fus1

Comments

Reference

Trueheart et al. MCB 7:2316-2328

DIDIER PICARD LAB, University of Geneva

Construct number

471

Date entered

31.8.95

Constructed by

Louvion Jean-François

Date constructed

18.5.95

PLASMID NAME

p2HG / TC

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/TC_{hsp}

Inserts Trypanosoma cruzi hsp 83 coding sequence

Reporter gene

Promoter,
splice,
PolyA Constitutive GPD promoter

Comments

Reference Dragon, E.A., et al., Mol. Cell. Biol.,7: 1271-1275, 1987 for TC hsp83

DIDIER PICARD LAB, University of Geneva

Construct number

472

Date entered

31.8.95

Constructed by

Louvion Jean-François

Date constructed

18.5.95

PLASMID NAME

p2HG /flu TC

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/fluTC_{hsp}

Inserts

Trypanosoma cruzi hsp 83 coding sequence preceded by flu tag sequence

Reporter gene

Promoter,
splice,
PolyA Constitutive GPD promoter

Comments

Reference Dragon, E.A., et al., Mol. Cell. Biol.,7: 1271-1275, 1987 for TC hsp83

DIDIER PICARD LAB, University of Geneva

Construct number

473

Date entered

31.8.95

Constructed by

Louvion Jean-François

Date constructed

18.5.95

PLASMID NAME

p2TG /flu TC

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pRS304

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/fluTChsp

Inserts

Trypanosoma cruzi hsp 83 coding sequence preceded by flu tag sequence

Reporter gene

Promoter,
splice,
PolyA Constitutive GPD promoter

Comments

Reference Dragon, E.A., et al., Mol. Cell. Biol.,7: 1271-1275, 1987 for TC hsp83

DIDIER PICARD LAB, University of Geneva

Construct number

474

Date entered

31.8.95

Constructed by

Louvion Jean-François

Date constructed

18.5.95

PLASMID NAME

p2TG / TC

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pRS304

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/TC_{hsp}

Inserts Trypanosoma cruzi hsp 83 coding sequence

Reporter gene

Promoter,
splice,
PolyA Constitutive GPD promoter

Comments

Reference Dragon, E.A., et al., Mol. Cell. Biol.,7: 1271-1275, 1987 for TC hsp83

DIDIER PICARD LAB, University of Geneva

Construct number

475

Date entered

31.8.95

Constructed by

Louvion Jean-François

Date constructed

9.11.94

PLASMID NAME

p2HG/hhsp90 β

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

other relevant source constructs

p2TG/hhsp90 β

Inserts human hsp90 β sequence

Reporter gene

Promoter,
splice,
PolyA GPD (constitutive)

Comments

Reference Louvion et al. (1998). Hsp90 is required for pheromone signaling in yeast. Mol. Biol. Cell 8, 3071-3083

DIDIER PICARD LAB, University of Geneva

Construct number

476

Date entered

31.8.95

Constructed by

Louvion Jean-François

Date constructed

9.11.94

PLASMID NAME

pHCA/hsp82

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

other relevant source constructs

pTCA/hsp82

Inserts yeast hsp82 wt sequence

Reporter gene

Promoter,
splice,
PolyA GPD (constitutive)

Comments

Reference Louvion et al. (1998). Hsp90 is required for pheromone signaling in yeast. Mol. Biol. Cell 8, 3071-3083

DIDIER PICARD LAB, University of Geneva

Construct number

477

Date entered

31.8.95

Constructed by

Louvion Jean-François

Date constructed

3.2.95

PLASMID NAME

pHCA/hsp82 G313N

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

other relevant source constructs

pTCA/hsp82 G313N

Inserts yeast hsp82 sequence (G313N point mutation)

Reporter gene

Promoter,
splice,
PolyA GPD promoter (constitutive)

Comments G31N mutation confers ts phenotype

Reference Louvion et al. (1998). Hsp90 is required for pheromone signaling in yeast. Mol. Biol. Cell 8, 3071-3083

DIDIER PICARD LAB, University of Geneva

Construct number

478

Date entered

31.8.95

Constructed by

Louvion Jean-François

Date constructed

june 95

PLASMID NAME

pHCA/hsp82 T525I

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

other relevant source constructs

pTCA/hsp82 T525I

Inserts yeast hsp82 sequence (with T525I point mutation)

Reporter gene

Promoter,
splice,
PolyA GPD (constitutive)

Comments T525I point mutation confers ts phenotype

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

479

Date entered

31.8.95

Constructed by

Louvion Jean-François

Date constructed

9.1.95

PLASMID NAME

pHCA/hhsp90 β

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

other relevant source constructs

p2TG hhsp90 β

Inserts human hsp90 β sequence

Reporter gene

Promoter,
splice,
PolyA GPD (constitutive)

Comments

Reference

- this plasmid: MacLean et al. (2005). A yeast-based assay reveals a functional defect of the Q488H polymorphism in human Hsp90 α . Biochem. Biophys. Res. Commun. 337, 133-137.
- p2TG/hHsp90 β : Louvion et al. (1998). Hsp90 is required for pheromone signaling in yeast. Mol. Biol. Cell 9, 3071-3083.

DIDIER PICARD LAB, University of Geneva

Construct number

480

Date entered

31.8.95

Constructed by

Louvion Jean-François

Date constructed

9.1.95

PLASMID NAME

pHCA/gal*hsp82

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

other relevant source constructs

pTT8*

Inserts yeast hsp82 wt sequence

Reporter gene

Promoter, mutated GAL promoter (from PTT8* contained in GRS4 yeast strain)
splice, 5 % of expression in glucose
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

481

Date entered

31.8.95

Constructed by

Louvion Jean-François

Date constructed

9.1.95

PLASMID NAME

pTCA/gal*hsp82

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pRS314

bacterial plasmid

other relevant source constructs

pTT8*

Inserts yeast hsp82 wt sequence

Reporter gene

Promoter, mutated GAL promoter (from PTT8* contained in GRS4 yeast strain)
splice, 5 % of expression in glucose
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

482

Date entered

31.8.95

Constructed by

Louvion Jean-François

Date constructed

1994

PLASMID NAME

p2TG/hhsp90 β

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pRS304

bacterial plasmid

other relevant source constructs

pgalhsp90 β

Inserts human hsp90 β sequence

Reporter gene

Promoter,
splice,
PolyA GPD (constitutive)

Comments

Reference Louvion et al. (1998). Hsp90 is required for pheromone signaling in yeast. Mol. Biol. Cell 8, 3071-3083

DIDIER PICARD LAB, University of Geneva

Construct number

483

Date entered

31.8.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2TG/flu hsp82

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pRS304

bacterial plasmid

other relevant source constructs

p2U/flu hsp82

Inserts yeast hsp82 wt sequence preceded by the flu epitope

Reporter gene

Promoter,
splice,
PolyA GPD (constitutive)

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

484

Date entered

31.8.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2TG/flu hsp82 G313N

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pRS304

bacterial plasmid

other relevant source constructs

p2U/flu hsp82
PTCA/hsp82 G313N

Inserts yeast hsp82 G313N sequence preceded by the flu epitope

Reporter gene

Promoter,
splice,
PolyA GPD (constitutive)

Comments G313n point mutation confers ts phenotype

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

485

Date entered

31.8.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2TG/flu hsp82 T525I

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pRS304

bacterial plasmid

other relevant source constructs

p2U/flu hsp82
PTCA/hsp82 T525I

Inserts yeast hsp82 T525I sequence preceded by the flu epitope

Reporter gene

Promoter,
splice,
PolyA GPD (constitutive)

Comments T525I point mutation confers ts phenotype

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

486

Date entered

31.8.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pHCA/GAL4(1-74).hsp82.VP16

bacterial marker Amp

HIS3

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid
pBLUESCRIPT

other relevant source constructs
pHCA/GAL4(74).hsp82
pSJT1193-CRF3

Inserts yeast Gal4 DNA binding domain (NH2-terminal 74 amino acids) fused to Hsp82 fused to the transcriptional activator VP16 C-terminus (424-490).

Reporter gene

Promoter, ADH1 (constitutive)
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

488

Date entered

31.8.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2G/hsp82 G313N

bacterial marker Amp

eucaryotic replicon 2 μ circle

parent vector

p2G

bacterial plasmid

other relevant source constructs

pTCA/hsp82 G313N

Inserts yeast hsp82 G313N sequence

Reporter gene

Promoter,
splice,
PolyA GPD (constitutive)

Comments The vector contains no yeast marker (the selection is done by hsp82)
G313N point mutation confers ts phenotype

Reference Louvion et al. (1998). Hsp90 is required for pheromone signaling in yeast.
Mol. Biol. Cell 8, 3071-3083

DIDIER PICARD LAB, University of Geneva

Construct number

489

Date entered

14.2.96

Constructed by

Louvion Jean-François

Date constructed

14.02.96

PLASMID NAME

p2TG/Hsp82 Δ 582-601

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pRS304

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pTCA/Hsp82wt
p2U/fluHsp82 Δ 582-601

Inserts yeast hsp82 wt sequencewith an internal deletion aa:582-601

Reporter gene

Promoter,
splice,
PolyA GPD (constitutive)

Comments

Reference pRS304: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.
pTCA/Hsp82: S. Bohen (1995) J.Biol. Chem. 270: 29433

DIDIER PICARD LAB, University of Geneva

Construct number

490

Date entered

4.9.95

Constructed by

Louvion Jean-François

Date constructed

5.09.94

PLASMID NAME

p2HG/hsp82

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pTT8

Inserts yeast hsp82 wt sequence

Reporter gene

Promoter,
splice,
PolyA GPD (constitutive)

Comments

Reference Louvion, J.-F., Warth, R. & Picard, D. (1996). Proc. Natl. Acad. Sci. USA, 93, 13937-13942.

DIDIER PICARD LAB, University of Geneva

Construct number

491

Date entered

4.9.95

Constructed by

Louvion Jean-François

Date constructed

5.09.94

PLASMID NAME

p2HG/hsp82 Δ 211-259

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

pRS313

bacterial plasmid

other relevant source constructs

p2U/hsp82 Δ 211-259

Inserts yeast hsp82 wt sequence (Δ 211-259)

Reporter gene

Promoter,
splice,
PolyA GPD (constitutive)

Comments

Reference Louvion, J.-F., Warth, R. & Picard, D. (1996). Proc. Natl. Acad. Sci. USA, 93, 13937-13942.

DIDIER PICARD LAB, University of Geneva

Construct number

492

Date entered

5.9.95

Constructed by

Louvion Jean-François

Date constructed

5.09.94

PLASMID NAME

p2U/hsp82 Δ 211-259

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

other relevant source constructs

p2U/hsp82 Δ 211-259

Inserts yeast hsp82 wt sequence (Δ 211-259)

Reporter gene

Promoter,
splice,
PolyA GPD (constitutive)

Comments

Reference Louvion, J.-F., Warth, R. & Picard, D. (1996). Proc. Natl. Acad. Sci. USA, 93, 13937-13942.

DIDIER PICARD LAB, University of Geneva

Construct number

493

Date entered

5.9.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2U/hsp82 (1-700)

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

other relevant source constructs

pUC/hsp82 (1-700) 3 x stop

Inserts yeast hsp82 wt sequence (aa:1-700)

Reporter gene

Promoter,
splice,
PolyA GPD (constitutive)

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

494

Date entered

5.9.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pUC/hsp82 (1-700) 3 x stop

bacterial marker Amp

parent vector

PUC18 3 x stop

bacterial plasmid

other relevant source constructs

pUC/hsp82 XbaI/EcoNI

Inserts

yeast hsp82 sequence (DNA sequence starts at the XbaI site !)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

495

Date entered

5.9.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pUC/hsp82XbaI/EcoNI

bacterial marker Amp

parent vector

pUC18

bacterial plasmid

other relevant source constructs

pTT8

Inserts yeast hsp82 (DNA sequence XbaI-EcoNI)

Reporter gene

Promoter,
splice,
PolyA

Comments Used to construct hsp82 3' deletions (via partial digestions)

Reference

Construct number

496

Date entered

5.9.95

Constructed by

Marshall lab

Date constructed

PLASMID NAME

EXV MANA (A221)

alternative name

MAPKK1 d/n

bacterial marker

Amp

parent vector

pEXV

bacterial plasmid

?

other relevant source constructs

Inserts

dominant negative mutant (S221A) of rabbit MAPKK1

Reporter gene

Promoter,
splice,
PolyA

mammalian expression vector

Comments

Reference

Cowley et al. (1994) Cell 77, 841-852

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 11.9.95

Constructed by Abbas-Terki Toufik

Date constructed 09.95

PLASMID NAME

pG1 α

bacterial marker Amp

parent vector

pG1

yeast marker TRP1

bacterial plasmid

pUC 18

eucaryotic replicon 2 μ circle

other relevant source constructs

psp73 α

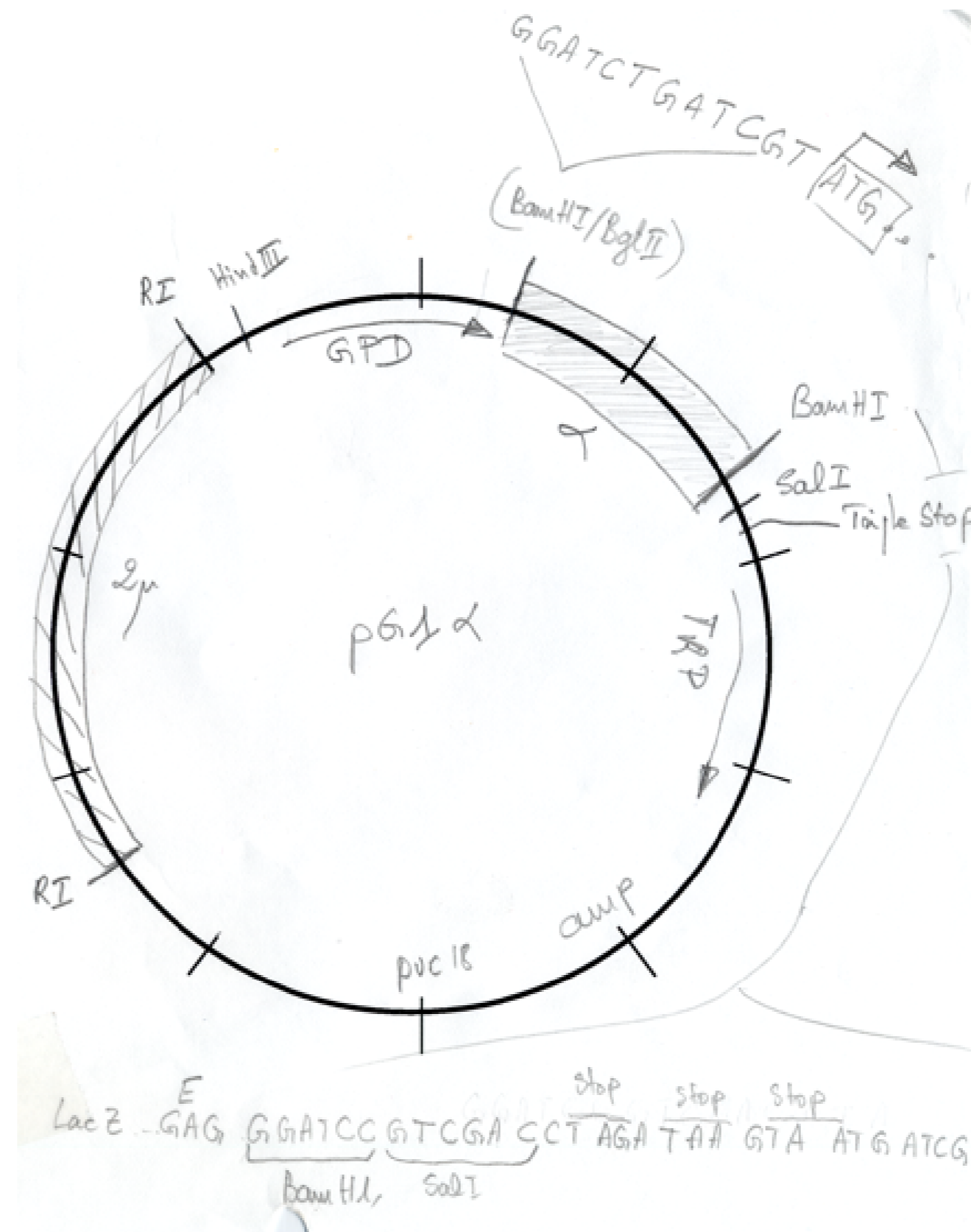
Inserts α peptide from Lac Z (AA 1-85)
use in α complementation with Ω fragment

Reporter gene

Promoter, splice, PolyA GPD

Comments

Reference Abbas-Terki T. and Picard D. (1999), Eur J. Biochem. 266, 517-523



DIDIER PICARD LAB, University of Geneva

Construct number

498

Date entered

11.9.95

Constructed by

Abbas-Terki Toufik

Date constructed

09.95

PLASMID NAME

p2HG/M15

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

BLUESCRIPT

other relevant source constructs

pUC 18 Ω ; p65 Valo

Inserts

Ω fragment from LacZ (deletion of AA 10-41)
Use with α peptide for the α complementation

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference Abbas-Terki T. and Picard D. (1999), Eur J. Biochem. 266, 517-523

DIDIER PICARD LAB, University of Geneva

Construct number

499

Date entered

21.9.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2Hgal/fluhs82/ $\Delta\Delta$

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

pRS303

bacterial plasmid

other relevant source constructs

p2U/fluhs82 $\Delta\Delta$

Inserts yeast flu hsp82 with the double deletion aa:1-354 and aa: 538-552

Reporter gene

Promoter,
splice,
PolyA GAL

Comments high copy number plasmid
strong inducible promoter (galactose)
dominant-negative hsp82 at 38°C

Reference

Construct number

501

Date entered

29.9.95

Constructed by

George Sprague lab

Date constructed

< 1992

PLASMID NAME

pSL1497

bacterial marker Amp

yeast marker HIS3

parent vector

bacterial plasmid

other relevant source constructs

pSPT18 (Pharmacia)

Inserts

FUS1 promoter fused to HIS3 coding region plus 1.2 kb FUS1 downstream sequences.

Reporter gene

Promoter,
splice,
PolyA

Comments

for disruption of FUS1 (cut out insert with EcoRI); cells become His+ even without pheromone unless pheromone signaling pathway is disrupted.

Reference

Stevenson et al. (1992) Genes Dev 6, 1293-1304

Construct number

502

Date entered

4.10.95

Constructed by

Rosamaria Ruggieri

Date constructed

1994

PLASMID NAME

pADU-Raf Δ N

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts catalytic domain of human c-Raf-1 (Δ N)

Reporter gene

Promoter, ADH1
splice,
PolyA

Comments

Reference Freed et al. (1994) Science 265, 1713-1716

DIDIER PICARD LAB, University of Geneva

Construct number

503

Date entered

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2G/hHsp90 β

bacterial marker Amp

eucaryotic replicon 2 μ circle

parent vector

p2G

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2TG/hHsp90

Inserts Human Hsp90 β coding sequences

Reporter gene

Promoter,
splice,
PolyA

Comments No yeast selectable marker

Reference Louvion et al. (1998). Hsp90 is required for pheromone signaling in yeast. Mol. Biol. Cell 8, 3071-3083

DIDIER PICARD LAB, University of Geneva

Construct number

504

Date entered

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pTCA/galTc

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pRS314

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/Tc

Inserts Trypanosoma cruzi Hsp83 coding sequences

Reporter gene

Promoter,
splice,
PolyA

GAL1

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

505

Date entered

6.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pUC/hsp82 (1-454) 3 x stop

bacterial marker Amp

parent vector

PUC18 3 x stop

bacterial plasmid

other relevant source constructs

pUC/hsp82 XbaI/EcoNI

Inserts

yeast hsp82 sequence (DNA sequence starts at the XbaI site !)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

506

Date entered

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pTT8/p59

bacterial marker

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pTT8

bacterial plasmid

other relevant source constructs

p59

Inserts Hsp82 and p59 coding sequences driven by GAL promoter

Reporter gene

Promoter,
splice,
PolyA GAL1 and GAL10

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

507

Date entered

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pHCA/Hsp82

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pTCA/Hsp82

Inserts Yeast Hsp82 coding sequences

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference pRS313: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.

DIDIER PICARD LAB, University of Geneva

Construct number

508

Date entered

6.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2HG/Hsp82 G313N

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pTCA/Hsp82G313N

Inserts Hsp82 G313N coding sequences

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

p2HG: Picard et al (1990) Nature 348: 166-168.
pTCA/Hsp82 G313N: Bohen (1995) J. Biol. Chem. 270: 29433-29438

DIDIER PICARD LAB, University of Geneva

Construct number

509

Date entered

6.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pUC/hsp82 (1-652) 3 x stop

bacterial marker Amp

parent vector

PUC18 3 x stop

bacterial plasmid

other relevant source constructs

pUC/hsp82 XbaI/EcoNI

Inserts

yeast hsp82 sequence (DNA sequence starts at the XbaI site !)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered

Constructed by Louvion Jean-François

Date constructed

PLASMID NAME

pG/Hsp82

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG-1

bacterial plasmid

other relevant source constructs

PTT8

Inserts yeast Hsp82 coding sequences

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference pG-1: Schena M. et al (1991) Methods in Enzymology 194:389-398.

DIDIER PICARD LAB, University of Geneva

Construct number

511

Date entered

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pC7/Hsp82

bacterial marker Amp

parent vector

pC7

bacterial plasmid

other relevant source constructs

pTT8

Inserts yeast Hsp82 coding sequence

Reporter gene

Promoter, T7, CMV enhancer/promoter
splice, SV40 splice and polyA
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

512

Date entered

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pC7/fluHsp82 Δ 1-354/ Δ 538-552

bacterial marker Amp

yeast marker

eucaryotic replicon

parent vector

pC7

bacterial plasmid

other relevant source constructs

p2U/fluHsp82 Δ 1-354/ Δ 538-552

Inserts yeast Hsp82 with internal deletions aa: 1-354 and 538-552

Reporter gene

Promoter, CMV enhancer/promoter
splice, SV40 splice and polyA
PolyA

Comments Dominant-negative Hsp82 in yeast at elevated temperature

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

513

Date entered

6.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2U/hsp82 (1-652)

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

other relevant source constructs

pUC/hsp82 (1-651) 3 x stop

Inserts yeast hsp82 wt sequence (aa:1-652)

Reporter gene

Promoter,
splice,
PolyA GPD (constitutive)

Comments

Reference Louvion, J.-F., Warth, R. & Picard, D. (1996). Proc. Natl. Acad. Sci. USA, 93, 13937-13942.

DIDIER PICARD LAB, University of Geneva

Construct number

514

Date entered

16.2.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pTCA/fluHsp82

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pRS314

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/fluHsp82

Inserts Yeast Hsp82 with a flu epitope

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

515

Date entered

16.2.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2HG/fluHsp82

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

other relevant source constructs

p2U/fluHsp82

Inserts Yeast Hsp82 with a flu epitope

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

516

Date entered

16.2.96

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pHCA/fluHsp82

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/fluHsp82

Inserts Yeast Hsp82 with a flu epitope

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

517

Date entered

6.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2U/fluhs82 (1-651)

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

other relevant source constructs

pUC/hsp82 (1-651) 3 x stop

Inserts yeast hsp82 wt sequence (aa:1-651 + 1)

Reporter gene

Promoter,
splice,
PolyA GPD (constitutive)

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

518

Date entered

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pHCA/fluHsp82G313N

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pTCA/fluHsp82G313N

Inserts Yeast Hsp82 with point mutation G313N and with a flu epitope

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

519

Date entered

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pTCA/fluHsp82G313N

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pRS314

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pTCA/Hsp82G313N

p2U/fluHsp82

Inserts Yaest hsp82 with point mutation G313N and with a flu epitope

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference pTCA/Hsp82 G313N: Bohen (1995) J. Biol. Chem. 270: 29433-29438
pRS314: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.10.95

Constructed by Louvion Jean-François

Date constructed may 1993

PLASMID NAME

p2U/hsp82 Δ 364-423

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pRS306

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pTT8

Inserts 2 μ circle and glyceraldehyde-3-phosphate dehydrogenase promoter

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

521

Date entered

6.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2U/hsp82 Δ 538-552

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pRS306

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pTT8

Inserts yeast hsp82 sequence with internal deletion (Δ 538-552)

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase promoter

Comments dominant-negative hsp82 mutant (ts phenotype)

Reference - pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27
- this construct: Louvion, J.-F., Warth, R. & Picard, D. (1996). Proc. Natl. Acad. Sci. USA, 93, 13937-13942.

DIDIER PICARD LAB, University of Geneva

Construct number

522

Date entered

6.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2HG/fluhs82Δ319-353

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2μ circle

parent vector

pRS303

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pTT8

Inserts 2μ circle and glyceraldehyde-3-phosphate dehydrogenase promoter

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference pRS303: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27
Picard et al (1990) Nature 348: 166-168.

DIDIER PICARD LAB, University of Geneva

Construct number

523

Date entered

6.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2U/hsp82 Δ 319-353

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pRS306

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pTT8

Inserts yeast hsp82 sequence with internal deletion Δ 319-353

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference - pRS303: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27
- this construct: Louvion, J.-F., Warth, R. & Picard, D. (1996). Proc. Natl. Acad. Sci. USA, 93, 13937-13942.

DIDIER PICARD LAB, University of Geneva

Construct number

524

Date entered

6.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2G/hsp82 Δ 211-259

bacterial marker Amp

yeast marker

eucaryotic replicon 2 μ circle

parent vector

pRS313

bacterial plasmid

other relevant source constructs

p2U/hsp82 Δ 211-259

Inserts yeast hsp82 wt sequence (Δ 211-259)

Reporter gene

Promoter, GPD (constitutive)
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

525

Date entered

6.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2U/hsp82 Δ 582-601

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pRS306

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

Inserts yeast hsp82 sequencewith internal deletion : Δ 582-601

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference - pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27
- this construct: Louvion, J.-F., Warth, R. & Picard, D. (1996). Proc. Natl. Acad. Sci. USA, 93, 13937-13942.

DIDIER PICARD LAB, University of Geneva

Construct number

526

Date entered

6.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2U/fluhsp82 Δ 582-601

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pRS306

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

Inserts yeast flu hsp82 sequence with internal deletion : Δ 582-601

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

527

Date entered

9.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pC7/hsp82 Δ 538-552

bacterial marker Amp

parent vector

pC7

bacterial plasmid

BLUESCRIPT M13+

other relevant source constructs

p2U/hsp82 Δ 538-552

Inserts yeast hsp82 sequence with internal deletion Δ 538-552

Reporter gene

Promoter, CMV enhancer / promoter, T7 promoter.
splice, SV40 splice and polyA.
PolyA

Comments dominant-negative hsp82 mutant (ts phenotype)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

528

Date entered

9.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2U/fluhs82fFF

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pRS306

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/hsp82 Δ 538-552

Inserts yeast hsp82 sequence with internal deletion (Δ 538-552) preceded by the flu epitope

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase promoter

Comments dominant-negative hsp82 mutant (ts phenotype)

Reference pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

529

Date entered

9.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pC7/fluhs82 Δ 538-552

bacterial marker Amp

parent vector

pC7

bacterial plasmid

BLUESCRIPT M13+

other relevant source constructs

p2U/fluhs82 Δ 538-552

Inserts

yeast hsp82 sequence with internal deletion Δ 538-552 preceded by the flu epitope

Reporter gene

Promoter, CMV enhancer / promoter, T7 promoter.
splice, SV40 splice and polyA.
PolyA

Comments dominant-negative hsp82 mutant (ts phenotype)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

530

Date entered

9.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2HG/flu~~hsp82~~538-552

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

pRS306

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/hsp82~~538-552~~

Inserts yeast hsp82 sequence with internal deletion (Δ 538-552) preceded by the flu epitope

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase promoter

Comments dominant-negative hsp82 mutant (ts phenotype)

Reference pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

531

Date entered

9.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2TG/fluhs82 Δ 538-552

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pRS306

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/hsp82 Δ 538-552

Inserts yeast hsp82 sequence with internal deletion (Δ 538-552) preceded by the flu epitope

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase promoter

Comments dominant-negative hsp82 mutant (ts phenotype)

Reference pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

532

Date entered

9.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2LG/hsp82 Δ 538-552

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pRS306

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pTT8

Inserts yeast hsp82 sequence with internal deletion (Δ 538-552)

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase promoter

Comments dominant-negative hsp82 mutant (ts phenotype)

Reference pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

533

Date entered

9.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2LG/fluhs82 Δ 538-552

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pRS306

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/hsp82 Δ 538-552

Inserts yeast hsp82 sequence with internal deletion (Δ 538-552) preceded by the flu (HA) epitope

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase promoter

Comments - dominant-negative hsp82 mutant (ts phenotype)

- sequence available

Reference for pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

534

Date entered

9.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2U/hsp82 Δ 319-353/ Δ 538-552

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pRS306

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/hsp82 Δ 319-353

p2U/hsp82 Δ 538-552

Inserts yeast hsp82 sequence with internal deletion (Δ 319-353/ Δ 538-552)

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase promoter

Comments

Reference pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

535

Date entered

9.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2U/fluhs82 Δ 319-353/ Δ 538
552

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pRS306

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/fluhs82 Δ 319-353

p2U/hsp82 Δ 538-552

Inserts

yeast hsp82 sequence with internal deletion (Δ 319-353/ Δ 538-552) preceded by the flu epitope

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase promoter

Comments

Reference pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.10.95

Constructed by

Date constructed

PLASMID NAME

pYES/hsp82 Δ 538-552

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES

bacterial plasmid

other relevant source constructs

p2U/hsp82 Δ 538-552

Inserts yeast hsp82 sequence with internal deletion (Δ 538-552)

Reporter gene

Promoter,
splice,
PolyA GAL 1 + termination sequence

Comments dominant-negative hsp82 mutant

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

537

Date entered

9.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2TG/flu hsp82 Δ 1-354/ Δ 538-552

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pRS306

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/hsp82 Δ 538-552

p2U/flu hsp82

Inserts yeast hsp82 sequence with internal deletion (Δ 1-354/ Δ 538-552) preceded by the flu epitope

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase promoter

Comments dominant-negative hsp82 mutant (ts phenotype)

Reference pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

538

Date entered

9.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2U/flu hsp82 Δ 1-354/ Δ 538-552

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pRS306

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/hsp82 Δ 538-552

p2U/flu hsp82

Inserts yeast hsp82 sequence with internal deletion (Δ 1-354/ Δ 538-552) preceded by the flu epitope

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase promoter

Comments dominant-negative hsp82 mutant (ts phenotype)

Reference - pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27
- this construct: Louvion, J.-F., Warth, R. & Picard, D. (1996). Proc. Natl. Acad. Sci. USA, 93, 13937-13942.

DIDIER PICARD LAB, University of Geneva

Construct number

539

Date entered

9.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2U/flu hsp82 Δ 1-183/ Δ 538-552

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pRS306

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/hsp82 Δ 538-552

p2U/flu hsp82

Inserts yeast hsp82 sequence with internal deletion (Δ 1-183/ Δ 538-552) preceded by the flu epitope

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase promoter

Comments dominant-negative hsp82 mutant (ts phenotype)

Reference pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

540

Date entered

9.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2LG/flu hsp82 Δ 1-354/ Δ 538-552

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pRS306

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/hsp82 Δ 538-552

p2U/flu hsp82

Inserts yeast hsp82 sequence with internal deletion (Δ 1-354/ Δ 538-552) preceded by the flu epitope

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase promoter

Comments dominant-negative hsp82 mutant (ts phenotype)

Reference pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

Construct number

541

Date entered

9.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pHCA/galfluhsp82 Δ 1-354 Δ 538
550

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

RS313

bacterial plasmid

other relevant source constructs

Inserts yeast hsp82 sequence with internal deletion (Δ 1-354/ Δ 538-552) preceded by the flu epitope

Reporter gene

Promoter,
splice,
PolyA GAL1

Comments dominant-negative hsp82 mutant (ts phenotype)

Reference pRS313: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.
Fusion based on GG22 (WT GAL4): Cell 51: 121

DIDIER PICARD LAB, University of Geneva

Construct number

542

Date entered

9.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pC7/fluhs82

bacterial marker Amp

parent vector

pC7

bacterial plasmid

BLUESCRIPT M13+

other relevant source constructs

p2U/fluhs82

Inserts yeast hsp82 sequence preceded by the flu epitope

Reporter gene

Promoter, CMV enhancer / promoter, T7 promoter.
splice, SV40 splice and polyA.
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

543

Date entered

9.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pHCA/fluhs82 Δ 1-354 Δ 538-552

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

RS313

bacterial plasmid

other relevant source constructs

p2U/fluhs82 Δ 1-354/ Δ 538-552

Inserts yeast hsp82 sequence with internal deletion (Δ 1-354/ Δ 538-552) preceded by the flu epitope

Reporter gene

Promoter, ADH promoter
splice,
PolyA

Comments dominant-negative hsp82 mutant (ts phenotype)

Reference pRS313: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.
Fusion based on GG22 (WT GAL4): Cell 51: 121

DIDIER PICARD LAB, University of Geneva

Construct number

544

Date entered

9.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2HG/fluhs82 Δ 1-354 Δ 538-552

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

other relevant source constructs

p2U/fluhs82 Δ 1-354/ Δ 538-552

Inserts yeast hsp82 sequence with internal deletion (Δ 1-354/ Δ 538-552) preceded by the flu epitope

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments dominant-negative hsp82 mutant (ts phenotype)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

545

Date entered

9.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2U/fluhs82 Δ 538-552/ Δ 653
700

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

other relevant source constructs

p2U/hsp82 Δ 538-552

p2U/hsp82(1-653)

Inserts

yeast hsp82 sequence with internal deletion (Δ 538-552/ Δ 653-709)
preceded by the flu epitope

Reporter gene

Promoter, ADH promoter
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

546

Date entered

30.10.98

Constructed by

Didier Picard

Date constructed

17.12.87

PLASMID NAME

pSP6HE14a

bacterial marker Amp

parent vector

pSP64

bacterial plasmid

pSP64

other relevant source constructs

pUR290-HE14

Inserts

human estrogen receptor hormone binding domain (hER HBD), AA 282-595, with G400V mutation

Contains stop codon, but no AUG !!!

Reporter gene

Promoter,
splice,
PolyA

SP6

Comments

- BamHI fragment is in antisense orientation relative to SP6 (as opposed to the orientation in pSP6HE14s).

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

547

Date entered

30.10.98

Constructed by

Didier Picard

Date constructed

17.12.87

PLASMID NAME

pSP6HE14s

bacterial marker Amp

yeast marker

eucaryotic replicon

parent vector

pSP64

bacterial plasmid

pSP64

other relevant source constructs

pUR290-HE14

Inserts

human estrogen receptor hormone binding domain (hER HBD), AA 282-595, with G400V mutation

Contains stop codon, but no AUG !!!

Reporter gene

Promoter, SP6
splice,
PolyA

Comments

- BamHI fragment is in sense orientation relative to SP6 (as opposed to the orientation in pSP6HE14a).

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

548

Date entered

9.10.95

Constructed by

Date constructed

PLASMID NAME

bacterial marker

yeast marker

eucaryotic replicon

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

549

Date entered

9.10.95

Constructed by

Date constructed

PLASMID NAME

bacterial marker

yeast marker

eucaryotic replicon

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

550

Date entered

9.10.95

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2U/fluhs82 Δ 538-576

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

other relevant source constructs

p2U/fluhs82
pTT8

Inserts yeast hsp82 sequence with internal deletion (Δ 538576) preceded by the flu epitope

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments dominant-negative hsp82 mutant (ts phenotype)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

551

Date entered

12.10.95

Constructed by

Jiawei LIU

Date constructed

10. 95

PLASMID NAME

PUC18/cPRHBD.1

bacterial marker Amp

parent vector

PUC18

bacterial plasmid

other relevant source constructs

pG/cPR

Inserts

C- terminal of chicken progesterone receptor containing hormone binding domain (aa:495-786)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 12.10.95

Constructed by Jiawei LIU

Date constructed 10.95

PLASMID NAME

PUC18/cPRHBD.2

bacterial marker Amp

parent vector

PUC18

bacterial plasmid

other relevant source constructs

pG/cPR

Inserts C- terminal of chicken progesterone receptor containing hormone binding domain (aa:495-786)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

554

Date entered

12.10.95

Constructed by

Jiawei LIU

Date constructed

10.95

PLASMID NAME

pUC18(3xstop)/cPR-NH2

bacterial marker Amp

parent vector

puc18(3xstop codon)

bacterial plasmid

puc18(3xstop codon)

other relevant source constructs

pG/cPR

Inserts

-oligonucleotide containing stop codon in all three open reading frame and one SnaBI restriction site inserted in the polylinker (SmaI/SacI)
-NH₂ terminal (aa: 495) of chicken progesterone receptor inserted just upstream of the 3x stop codon (HindIII)

Reporter gene

Promoter,
splice,
PolyA

Comments

Oligonucleotide sequence: TACGTAGATAGATAGAGCT
SnaBI SacI

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

555

Date entered

16.10.95

Constructed by

Didier Picard

Date constructed

10/95

PLASMID NAME

p2LAX

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pRS305

bacterial plasmid

Bluescript

other relevant source constructs

pBTM116, p2HA/LexA.GAL4(848)

Inserts full-length LexA for fusion to bait proteins

Reporter gene

Promoter, ADH1
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

556

Date entered

16.10.95

Constructed by

Pierre-André Briand

Date constructed

8 / 95

PLASMID NAME

pGST.Crk

bacterial marker Amp

parent vector

pGEX-3X

bacterial plasmid

other relevant source constructs

Crk-V-18

Inserts

Glutathione S-transferase (GST) fused to portion of mouse Crk (contains SH3 domain).

Plasmid also carries lacIq gene.

Reporter gene

Promoter,
splice,
PolyA tac promoter (IPTG inducible)

Comments

Crk portion was found in a two-hybrid screen as protein which interacts with Abl; Crk sequence is about 300 bp, but it is not fully characterized.

Reference

for pGEX-3X: Gene 67 (1988) 31-40

Construct number

557

Date entered

23.10.95

Constructed by

Roger Brent lab

Date constructed

≤ 1993

PLASMID NAME

yeast genomic library in pJG4-5

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pJG4-5

bacterial plasmid

pUC13

other relevant source constructs

Inserts

ATG - SV40 nuclear localization signal (PPKKKRKVA) - B42 transcription activation domain - HA1 epitope tag (YPYDVPDYA) fused to yeast genomic DNA.

Library was made from strain S288c (MAT α SUC2 mal gal2 CUP1 hap1); AluI and HaeIII partially digested yeast genomic DNA (cloned into EcoRI site); size roughly 800-4000 bp.

Reporter gene

Promoter,
splice,
PolyA GAL1 promoter (galactose-inducible)

Comments

- Library was made by Paul Watt from Jim Wang's lab.
- our sample of amplified library DNA received from Françoise Stutz.

Reference

for pJG4-5: Gyuris et al. (1993) Cell 75, 791-803

Construct number

558

Date entered

27.10.95

Constructed by

Date constructed

PLASMID NAME

EJ ras

bacterial marker Amp

parent vector

bacterial plasmid

pBR322?

other relevant source constructs

Inserts genomic fragment (BamHI?) with Val12 mutant of Ha-c-Ras gene from T24 bladder carcinoma

Reporter gene

Promoter,
splice,
PolyA its own

Comments received from Frank McCormick in 1988

Reference <https://www.ncbi.nlm.nih.gov/pubmed/2201922>
Nature. 1990 Aug 23;346(6286):754-6.
Suppression of c-ras transformation by GTPase-activating protein.
Zhang K1, DeClue JE, Vass WC, Papageorge AG, McCormick F, Lowy DR.

Construct number

559

Date entered

27.10.95

Constructed by

Bos lab

Date constructed

PLASMID NAME

RSV-ras (N17)

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

N17 dominant-negative mutant of Ras

Reporter gene

Promoter,
splice,
PolyA

RSV

Comments

Reference

Medema, R.H., Wubbolts, R. & Bos, J.L. (1991) *Mol. Cell. Biol.* , 11, 5963-5967.

Construct number

560

Date entered

1.11.95

Constructed by

Roger Brent lab

Date constructed

6/92

PLASMID NAME

pEG202

pLexA

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

LexA202+202PL (backbone unclear)

Inserts

LexA amino acids 1-202 (DNA binding and dimerization domain) followed by a polylinker and stop codons in all three frames.

Reporter gene

Promoter, ADH1 promoter and terminator
splice,
PolyA

Comments

- for construction of bait constructs for 2-hybrid screen.
- sequence available

Reference

Gyuris et al. (1993) Cell 75, 791-803

Construct number

561

Date entered

1.11.95

Constructed by

Roger Brent lab

Date constructed

PLASMID NAME

pSH18-34

bacterial marker Amp

parent vector

yeast marker URA3

bacterial plasmid

eucaryotic replicon 2 μ circle

other relevant source constructs

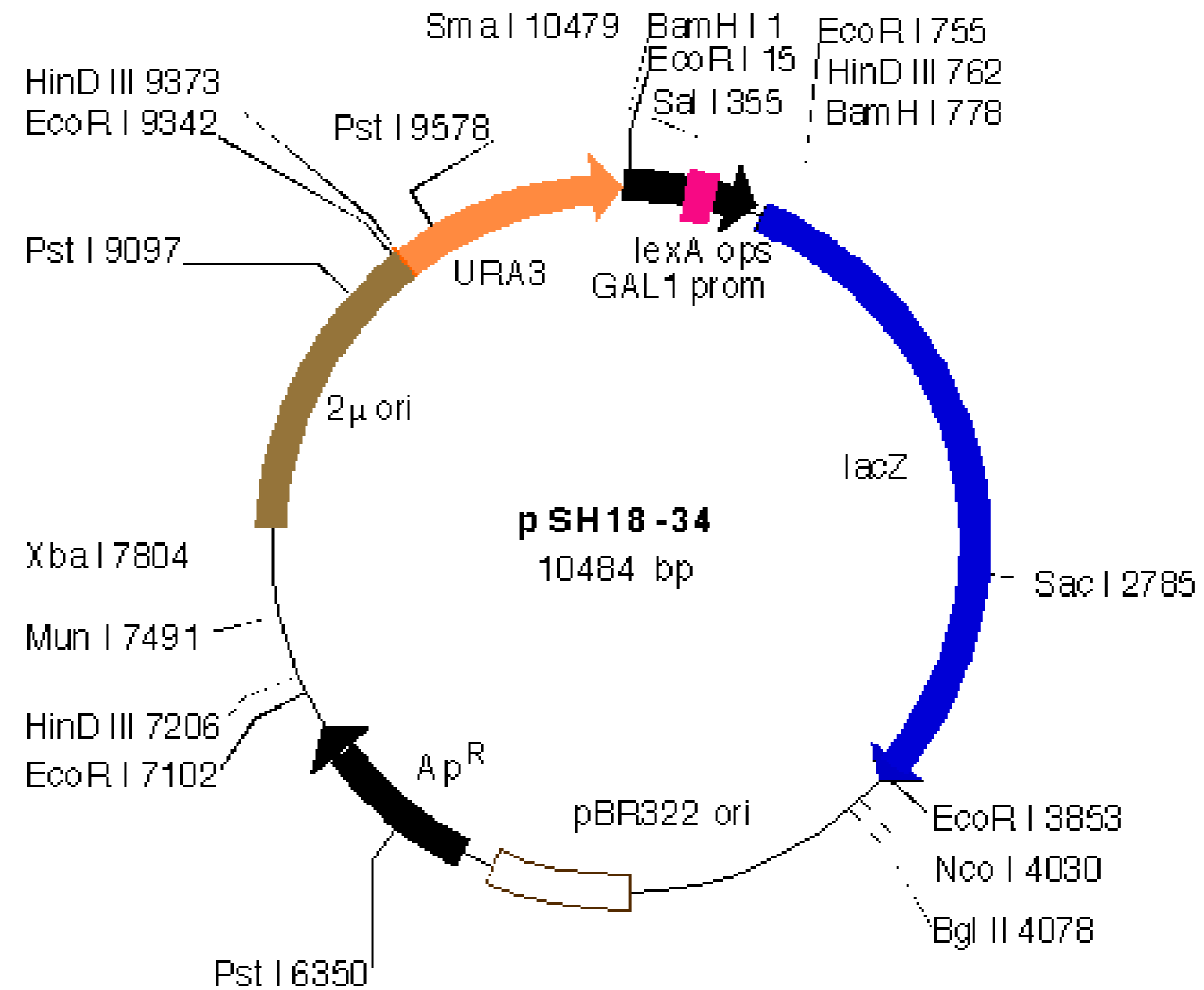
Inserts 8 LexA operators upstream of GAL1 promoter (lacks UASg)

Reporter gene lacZ

**Promoter,
splice,
PolyA**

Comments - LexA reporter plasmid
- sequence and map available, from <http://www.fccc.edu/research/labs/golemis/plasmids/pSH18-34.html>

Reference Gyuris et al. (1993) Cell 75, 791-803



Construct number

562

Date entered

1.11.95

Constructed by

Roger Brent lab

Date constructed

PLASMID NAME

pJK101

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts 2 LexA operators between UASg and GAL1 transcription start site

Reporter gene lacZ

Promoter,
splice,
PolyA

Comments LexA reporter plasmid: transcriptionally inert LexA fusion protein represses galactose-inducible reporter expression 2-20x.

Reference - Gyuris et al. (1993) Cell 75, 791-803 ?
- Repression assay: Brent and Ptashne (1984) Nature 312: 612-615.

Construct number

563

Date entered

1.11.95

Constructed by

Roger Brent lab

Date constructed

9/91

PLASMID NAME

pJG4-5

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

pUC13

other relevant source constructs

Inserts

ATG - SV40 nuclear localization signal (PPKKKRKVA) - B42 transcription activation domain - HA1 epitope tag (YPYDVPDYA), followed by unique EcoRI and XhoI sites

Reporter gene

Promoter, - GAL1 promoter (galactose-inducible)
splice, - ADH1 terminator.
PolyA

Comments

- for construction of libraries or prey constructs for yeast 2-hybrid screen.

Reference

Gyuris et al. (1993) Cell 75, 791-803

Construct number

564

Date entered

1.11.95

Constructed by

Roger Brent lab

Date constructed

PLASMID NAME

pRFHM1

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

LexA202+PL

bacterial plasmid

other relevant source constructs

Inserts

LexA (AA 1-202) fused to transcriptionally inert heterologous protein (total size of fusion protein about 40 kD)

Reporter gene

Promoter,
splice,
PolyA

ADH1 promoter and terminator

Comments

Reference

Construct number

565

Date entered

1.11.95

Constructed by

Roger Brent lab

Date constructed

PLASMID NAME

pSH17-4

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts LexA (AA 1-87) fused to GAL4 (AA 74-881)

Reporter gene

Promoter,
splice,
PolyA ADH1 promoter and terminator

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.11.95

Constructed by Jiawei LIU

Date constructed 11.1995

PLASMID NAME

pG/cPR.N

bacterial marker Amp

yeast marker TRP1

parent vector

pG1

bacterial plasmid

other relevant source constructs

pGFP-C2/cPR intermediate
pG/cPR

Inserts - N-terminus (A, B, C, D) of chicken progesterone receptor

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

567

Date entered

16.11.95

Constructed by

Louvion Jean-François

Date constructed

nov 95

PLASMID NAME

p2U/hsp82 (1-685)

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pTCA/hsp82

Inserts yeast hsp82 sequence aa:1-685 (+ 5 aa ,L Q F A L)

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase

Comments Clone as BamHI / AlwNI fragment from pTCA/hsp82 into BamHI/SstI p2U (unusual base pairing , bacterial repair, resulting in the following sequence :...ACA GAG CTC CAA TTC GCC CTA TAG)

Reference Louvion, J.-F., Warth, R. & Picard, D. (1996). Proc. Natl. Acad. Sci. USA, 93, 13937-13942.

DIDIER PICARD LAB, University of Geneva

Construct number

568

Date entered

16.11.95

Constructed by

Louvion Jean-François

Date constructed

nov 95

PLASMID NAME

p2HG/hsp82 (1-685)

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/hsp82 (1-685)

Inserts yeast hsp82 sequence aa:1-685

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase

Comments See p2U/hsp82 (1-685)

Reference Louvion, J.-F., Warth, R. & Picard, D. (1996). Proc. Natl. Acad. Sci. USA, 93, 13937-13942.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.11.95

Constructed by Louvion Jean-François

Date constructed dec 95

PLASMID NAME

p2TG/hsp82 $\Delta\Delta\Delta$ 705-709

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pRS304

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2TG/hsp82(1-704)

p2U/fluhs82 Δ 1-354 Δ 538-552

Inserts

- yeast hsp82 sequence with 3 internal deletions : Δ aa:1-354, 538-552, 704-709 (=> dominant negative hsp82 + conserved sequence MEEVD missing)
- contains flu epitope (12CA5) at N-terminus

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase

Comments

Reference

- pRS304: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.
- for this construct: Louvion, J.-F., Warth, R. & Picard, D. (1996). Proc. Natl. Acad. Sci. USA, 93, 13937-13942.

DIDIER PICARD LAB, University of Geneva

Construct number

570

Date entered

16.11.95

Constructed by

Jiawei LIU

Date constructed

11.1995

PLASMID NAME

pHCA/cPRHBD

bacterial marker Amp

yeast marker HIS3

parent vector

pRS313

bacterial plasmid

other relevant source constructs

pYES/STE11ΔN.cPRHBD

Inserts

-C-terminus of chicken progesterone receptor containing hormone binding domain (aa: 495-786) is inserted in the polylinker (XbaI)

Reporter gene

Promoter,
splice,
PolyA

Comments

intermediate for the construction of " pHCA/GAL4(848)cPRHBD"

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

571

Date entered

29.11.95

Constructed by

Rainer Warth

Date constructed

23.10.95

PLASMID NAME

pET-15b/cyp40

bacterial marker Amp

parent vector

pET15b

bacterial plasmid

pBR322

other relevant source constructs

pBScyp40

Inserts yeast cyclophilin 40 (Cyp40)

Reporter gene

Promoter, T7 promoter
splice,
PolyA

Comments

Reference Warth, R., Briand, P.A. and Picard, D. (1997) Functional analysis of the yeast 40 kDa cyclophilin Cyp40 and its role for viability and steroid receptor regulation. Biol. Chem., 378, 381-391.

DIDIER PICARD LAB, University of Geneva

Construct number

576

Date entered

5.12.95

Constructed by

Louvion Jean-François

Date constructed

5.12 .95

PLASMID NAME

p2TG/hsp82 (1-704)

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pRS304

bacterial plasmid

PBLUESCRIPT

other relevant source constructs

pTT8, p2U/hsp82

Inserts yeast hsp82 aa: 1-704

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference - pRS304: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27
- Louvion, J.-F., Warth, R. & Picard, D. (1996). Proc. Natl. Acad. Sci. USA, 93, 13937-13942.

DIDIER PICARD LAB, University of Geneva

Construct number

577

Date entered

5.12.95

Constructed by

Louvion Jean-François

Date constructed

7.12 .95

PLASMID NAME

p2HG/hsp82 (1-704)

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

PBLUESCRIPT

other relevant source constructs

p2TG/hsp82 (1-704)

Inserts yeast hsp82 aa: 1-704

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference Louvion, J.-F., Warth, R. & Picard, D. (1996). Proc. Natl. Acad. Sci. USA, 93, 13937-13942.

DIDIER PICARD LAB, University of Geneva

Construct number

578

Date entered

8.12.95

Constructed by

Louvion Jean-François

Date constructed

dec 95

PLASMID NAME

p2TG/hsp82 $\Delta\Delta\Delta$ 653-709

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pRS304

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/hsp82(1-652)

p2U/fluhs82 Δ 1-354 Δ 538-552

Inserts

- yeast hsp82 sequence with 3 internal deletions : Δ aa:1-354, 538-552, 653-709
- contains flu epitope (12CA5) at N-terminus

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase

Comments

Reference

- pRS304: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.
- for this construct: Louvion, J.-F., Warth, R. & Picard, D. (1996). Proc. Natl. Acad. Sci. USA, 93, 13937-13942.

DIDIER PICARD LAB, University of Geneva

Construct number

579

Date entered

8.12.95

Constructed by

Louvion Jean-François

Date constructed

nov 95

PLASMID NAME

p2TG/hsp82 $\Delta\Delta\Delta$ 686-709

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pRS304

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/hsp82(1-685)

p2U/fluhs82 Δ 1-354 Δ 538-552

Inserts

- yeast hsp82 sequence with 3 internal deletions : Δ aa:1-354, 538-552, 685-709
- contains flu epitope (12CA5) at N-terminus

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase

Comments

Reference

- pRS304: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.
- for this construct: Louvion, J.-F., Warth, R. & Picard, D. (1996). Proc. Natl. Acad. Sci. USA, 93, 13937-13942.

Construct number

584

Date entered

12.12.95

Constructed by

Stan Hollenberg

Date constructed

PLASMID NAME

pVP16

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts AUG - NLS - VP16 - unique BamHI and NotI sites - triple stop

Reporter gene

Promoter, ADH1 promoter and terminator
splice,
PolyA

Comments this vector allows the construction of prey constructs for the two-hybrid system.

Reference

Construct number

582

Date entered

12.12.95

Constructed by

Hollenberg lab

Date constructed

PLASMID NAME

Lex-VP16

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pBTM116

bacterial plasmid

other relevant source constructs

Inserts VP16

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

583

Date entered

12.12.95

Constructed by

Date constructed

PLASMID NAME

Lex-da

bacterial marker Amp

yeast marker TRP1

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments Lex-da gives no beta-gal activity when paired with pVP16 and can be used for comparison with test baits, pVP16-MYOD

Reference

Construct number

584

Date entered

12.12.95

Constructed by

Date constructed

PLASMID NAME

pVP16-MyoD

bacterial marker Amp

vertebrate marker

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments pVP16-MyoD can be used as partner for da

Reference

Construct number

585

Date entered

12.12.95

Constructed by

Date constructed

PLASMID NAME

pL909

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments as a source of the ADE2 gene

Reference

Construct number

586

Date entered

12.12.95

Constructed by

Date constructed

PLASMID NAME

Lex-Lamin

bacterial marker Amp

yeast marker TRP1

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments Lex-Lamine can be used as false positive control in mating. This bait is very unlikely to remove all false positives.

Reference

Construct number

588

Date entered

12.12.95

Constructed by

Hollenberg

Date constructed

PLASMID NAME

pVP16-cDNA mouse embryo

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts c-DNA of mouse embryo of 10.5 days

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

589

Date entered

12.12.95

Constructed by

hollenberg

Date constructed

PLASMID NAME

pVP16-cDNA mouse embryo

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts C-dna of mouse embryo of 9,5 days

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

590

Date entered

18.12.95

Constructed by

Pierre-André Briand

Date constructed

12/95

PLASMID NAME

p2U/GST-2

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

BS

other relevant source constructs

pUC/GST

Inserts GST

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments this is a control plasmid for expression of unfused GST in yeast.

Reference Warth, R., Briand, P.A. and Picard, D. (1997) Functional analysis of the yeast 40 kDa cyclophilin Cyp40 and its role for viability and steroid receptor regulation. Biol. Chem., 378, 381-391.

DIDIER PICARD LAB, University of Geneva

Construct number

591

Date entered

18.12.95

Constructed by

Pierre-André Briand

Date constructed

12/95

PLASMID NAME

pUC/GST

bacterial marker Amp

parent vector

bacterial plasmid

pUC18

other relevant source constructs

pGEX-1, pUC/GST3xstop

Inserts

GST with BamHI and KpnI sites at 5' end for in-frame fusions; stop codon at 3' end.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.12.95

Constructed by Didier Picard

Date constructed 12/95

PLASMID NAME

p2LAXC

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

p2LAX

bacterial plasmid

Bluescript

other relevant source constructs

BS/Cyp40

Inserts full-length LexA fused to full-length yeast Cyp40

Reporter gene

Promoter,
splice,
PolyA ADH1

Comments this a bait construct for a two-hybrid screen.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

593

Date entered

18.12.95

Constructed by

Didier Picard

Date constructed

12/95

PLASMID NAME

pYES/ Δ N.ER(G)

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES/ Δ N.cPRHBD

bacterial plasmid

other relevant source constructs

GR.ER(G), pYES/ Δ N.ER

Inserts

yeast Ste11 with N-terminal deletion (STE11 Δ N, aa:341-717) fused to the hormone binding domain of the wild-type estrogen receptor (ER HBD).

Reporter gene

Promoter,
splice,
PolyA GAL1 + terminator

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

594

Date entered

18.12.95

Constructed by

Didier Picard

Date constructed

12/95

PLASMID NAME

pNEF/F65.C447S

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pNEF

bacterial plasmid

pBS and BS(+)

other relevant source constructs

pNEF/F, F.C447S, pRSETB-GFPS65T

Inserts

green fluorescent protein (GFP) with S65T mutation, fused to the human estrogen receptor (ER) with the C447S mutation.

Reporter gene

Promoter,
splice,
PolyA

- human elongation factor 1 α (EF-1 α) promoter.
- first intron from EF-1 α gene.
- SV40 poly A (in late orientation).
- plasmid contains SV40 origin (pos. 5092-128), early promoter same orientation as EF-1 α promoter.

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.12.95

Constructed by Pierre-André Briand

Date constructed 12/95

PLASMID NAME

p2U/HSP82.GST

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U/GST-2

bacterial plasmid

BS

other relevant source constructs

p2U/HSP82, pHCA/GAL4(93).HSP82.VP16

Inserts wild-type full-length yeast Hsp82 fused to N-terminus of GST

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments

Reference Warth, R., Briand, P.A. and Picard, D. (1997) Functional analysis of the yeast 40 kDa cyclophilin Cyp40 and its role for viability and steroid receptor regulation. Biol. Chem., 378, 381-391.

Construct number

596

Date entered

20.12.95

Constructed by

Bruce Mayer lab

Date constructed

PLASMID NAME

pEBB

bacterial marker Amp

parent vector

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA human EF-1 α promoter

Comments expression vector for mammalian cells

Reference

Construct number

597

Date entered

20.12.95

Constructed by

Bruce Mayer lab

Date constructed

PLASMID NAME

pEBB-F

bacterial marker Amp

parent vector

pEBB

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts wild-type mouse c-Abl type IV

Reporter gene

Promoter,
splice,
PolyA human EF-1 α promoter

Comments

Reference

Construct number

598

Date entered

20.12.95

Constructed by

Bruce Mayer lab

Date constructed

PLASMID NAME

pEBB-G

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pEBB

bacterial plasmid

other relevant source constructs

Inserts

wild-type mouse c-Abl type IV with deletion of SH3.

Reporter gene

Promoter,
splice,
PolyA

human EF-1 α promoter

Comments

Reference

Construct number

599

Date entered

8.1.96

Constructed by

Nick Tonks lab

Date constructed

PLASMID NAME

pSG5-MKP-1(myc)

alternative name

pSG5ΔCWT(Myc)

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

BS

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts

MKP-1 (MAP kinase phosphatase 1), also referred to as 3CH134.
First 314 AA fused to myc epitope (for 9E10 antibody).

Reporter gene

Promoter, - SV40 early promoter.
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2.
- SV40 polyA site.

Comments

Reference see Cell 75, 487-493 (1993)

Construct number

600

Date entered

8.1.96

Constructed by

Nick Tonks lab

Date constructed

PLASMID NAME

pSG5-MKP-1CS(myc)

alternative name

pSG5ΔCCS(Myc)

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

BS

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts

MKP-1 (MAP kinase phosphatase 1), also referred to as 3CH134. First 314 AA with inactivating C258S mutation fused to myc epitope (for 9E10 antibody).

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

Reference see Cell 75, 487-493 (1993)

DIDIER PICARD LAB, University of Geneva

Construct number

601

Date entered

16.1.96

Constructed by

Abbas-Terki Toufik

Date constructed

11.95

PLASMID NAME

pG1 α ER

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

pUC 18

other relevant source constructs

Inserts α peptide (aa:1-85) fused to the hER(G) hormone binding domain (aa:282-595)

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 23.1.96

Constructed by Jiawei LIU

Date constructed 1.96

PLASMID NAME

pHCA/GAL4(848).ER(G)

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pHCA/GAL4(848).ER, pYES/ Δ N.ER(G)

Inserts GAL4 coding sequences (1-848) fused in frame with the wild type (G400) hormone binding domain of hER (282-595).

Reporter gene

Promoter, ADH promoter (constitutive)
splice,
PolyA

Comments

Reference pRS313: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.
ADH promoter from pGG22 Gill and Ptashne, 1987, Cell 51: 121-126.

DIDIER PICARD LAB, University of Geneva

Construct number

603

Date entered

23.1.96

Constructed by

Jiawei LIU

Date constructed

1.96

PLASMID NAME

p2LG/ Δ N.ER(G)

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

p2LG

bacterial plasmid

other relevant source constructs

p2LG/MAPK.gal1,10
pYES/ Δ N.ER(G)

Inserts

yeast Ste11 with N-terminal deletion (STE11 Δ N, aa:341-717) fused to the hormone binding domain of the wild-type estrogen receptor (ER HBD).

Reporter gene

Promoter, gal1,10 (galactose inducible)
splice,
PolyA

Comments

Reference

Construct number

604

Date entered

24.1.96

Constructed by

Olfa Hooft van Huijsduijnen

Date constructed

23.1.1996

PLASMID NAME

pLexA- ΔXB(48-630) K-

bacterial marker Amp

yeast marker TRP1

parent vector

pLex-c-abl (IV) (48-630) K-& pG/ΔXB(630)

bacterial plasmid

other relevant source constructs

pBTM116

Inserts mouse c-abl IV ΔX b with K290 mutation.

Reporter gene

Promoter,
splice,
PolyA

Comments pBTM116 was constructed by Paul Bartel and Stan Fields (for acknowledgments).

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.1.96

Constructed by Jiawei LIU

Date constructed 1.96

PLASMID NAME

PG/ER(S118A)

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

pUC

other relevant source constructs

pG/ER(G), HE457

Inserts full-length human estrogen receptor (hER) cDNA with point mutation of S118 --> A

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.1.96

Constructed by Jiawei LIU

Date constructed 1.96

PLASMID NAME

PG/ER(S118E)

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

pUC

other relevant source constructs

pG/ER(G), HE458

Inserts full-length human estrogen receptor (hER) cDNA with point mutation of S118 --> E

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments

Reference

Construct number

607

Date entered

29.1.96

Constructed by

Ruggieri lab

Date constructed

PLASMID NAME

YEpMEK

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts Xenopus (?) MEK

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde dehydrogenase gene promoter

Comments

Reference Freed et al. (1994) Science 265, 1713-1716.

Construct number

608

Date entered

29.1.96

Constructed by

Ruggieri lab

Date constructed

PLASMID NAME

YCpMEK

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

other relevant source constructs

Inserts Xenopus (?) MEK

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde dehydrogenase gene promoter

Comments comparable to YEpMEK, but lower background.

Reference

Construct number

609

Date entered

29.1.96

Constructed by

Ruggieri lab

Date constructed

PLASMID NAME

pADU-Raf Δ N

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts constitutive Raf Δ N, i.e. N-terminally truncated c-Raf-1

Reporter gene

Promoter, ADH1 promoter
splice,
PolyA

Comments

Reference Freed et al. (1994) Science 265, 1713-1716.

DIDIER PICARD LAB, University of Geneva

Construct number

610

Date entered

2.2.96

Constructed by

Jiawei LIU

Date constructed

2.96

PLASMID NAME

pHCA/ Δ N.ER(G)

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

pRS303

bacterial plasmid

other relevant source constructs

pYES/ Δ N.ER(G)

Inserts

yeast Ste11 with N-terminal deletion (STE11 Δ N, aa:341-717) fused to the hormone binding domain of the wild-type estrogen receptor (ER HBD).

Reporter gene

Promoter, GAL1 promoter (galactose inducible)
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

614

Date entered

14.2.96

Constructed by

Pierre-André Briand

Date constructed

2/96

PLASMID NAME

pNEF/C447S.S65T

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pNEF

bacterial plasmid

pBS and BS(+)

other relevant source constructs

pG/ER(G), pCMV ER C447S, pG/ER.F,
pRSETB/GFPS65T

Inserts

human estrogen receptor (ER) with C447S mutation fused to green fluorescent protein (GFP) with S65T mutation.

Reporter gene

Promoter,
splice,
PolyA

- human elongation factor 1 α (EF-1 α) promoter.
- first intron from EF-1 α gene.
- SV40 poly A (in late orientation).
- plasmid contains SV40 origin (pos. 5092-128), early promoter same orientation as EF-1 α promoter.

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

615

Date entered

14.2.96

Constructed by

Pierre-André Briand

Date constructed

2/96

PLASMID NAME

S65T.cPR

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

cPR1

bacterial plasmid

pBR322?

other relevant source constructs

pNEF/F65.C447S, pNEF/F.ER

Inserts

green fluorescent protein (GFP) S65T mutant fused to full-length chicken progesterone receptor (cPR).

Reporter gene

Promoter,
splice,
PolyA SV40 early promoter

Comments expression vector is pKCR2 (precursor to pSG5).

Reference for cPR1: Gronemeyer et al. (1987) EMBO J. 6, 3985-3994

for pKCR2: NAR 11, 7119-7136 (1983)

DIDIER PICARD LAB, University of Geneva

Construct number

616

Date entered

14.2.96

Constructed by

Pierre-André Briand

Date constructed

2/96

PLASMID NAME

p2U/hHsp90 β

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

BS

other relevant source constructs

p2TG/hhsp90 β

Inserts human Hsp90 β

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

617

Date entered

14.2.96

Constructed by

Pierre-André Briand

Date constructed

2/96

PLASMID NAME

pTrc/HSP82.GST

bacterial marker

Amp

parent vector

pTrcHis B

bacterial plasmid

other relevant source constructs

pHCA/GAL4(1-74).HSP82.VP16, p2U/HSP82.
GST, pTrc/Hsp82C

Inserts

His tag fused to full-length yeast HSP82 fused to GST.

Reporter gene

Promoter,
splice,
PolyA

trc promoter, lac operator

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

618

Date entered

16.2.96

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2HG/fluHsp82G313N

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pTCA/Hsp82G313N

p2U/fluHsp82

Inserts Yeast hsp82 with point mutation G313N and with a flu epitope

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference pTCA/Hsp82 G313N: Bohlen (1995) J. Biol. Chem. 270: 29433-29438
p2HG: Picard et al (1990) Nature 348: 166-168.

DIDIER PICARD LAB, University of Geneva

Construct number

619

Date entered

16.2.96

Constructed by

Louvion Jean-François

Date constructed

15.5.93

PLASMID NAME

p2TG/fluhs82Δ319-353

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2μ circle

parent vector

pRS304

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/fluhs82Δ319-353

Inserts Hsp82 with an internal deletion aa: 319-353 and with a flu epitope

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase promoter (GPD)

Comments

Reference pRS304: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

620

Date entered

16.2.96

Constructed by

Louvion Jean-François

Date constructed

13.2.94

PLASMID NAME

p2U/fluhs82Δ319-353

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2μ circle

parent vector

p2U

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/hsp82Δ319-353

Inserts Hsp82 with an internal deletion aa: 319-353 and with a flu epitope

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase promoter (GPD)

Comments

Reference pRS304: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

621

Date entered

16.2.96

Constructed by

Louvion Jean-François

Date constructed

13.2.94

PLASMID NAME

p2U/fluhs82 Δ 319-353 Δ 582-601

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/fluhs82 Δ 319-353

p2U/hsp82582-601

Inserts

Hsp82 with 2 internal deletions aa: 319-353 and aa: 582-601 with a flu epitope

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase promoter (GPD)

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

622

Date entered

16.2.96

Constructed by

Louvion Jean-François

Date constructed

13.2.94

PLASMID NAME

pYES/fluhs82Δ319-353Δ582-601

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2μ circle

parent vector

pYES

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/fluhs82Δ319-353Δ582-601

Inserts

Hsp82 with 2 internal deletions aa: 319-353 and aa: 582-601
with a flu epitope

Reporter gene

Promoter,
splice,
PolyA

GAL1

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

623

Date entered

16.2.96

Constructed by

Picard Didier

Date constructed

9.11.89

PLASMID NAME

p2HG/fluHsp82 Δ 1-354

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/fluHsp82

Inserts Yeast Hsp82 with N-ter deletion aa: 1-354 and with a flu epitope

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase promoter

Comments

Reference - p2HG: Picard et al (1990) Nature 348: 166-168.
- for this construct: Louvion, J.-F., Warth, R. & Picard, D. (1996). Proc. Natl. Acad. Sci. USA, 93, 13937-13942.

DIDIER PICARD LAB, University of Geneva

Construct number

624

Date entered

16.2.96

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2U/Hsp82 Δ 10-106

alternative name

Δ 11-107

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pTT8

Inserts Yaest Hsp82 with N-ter deletion aa: 11-107

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase promoter

Comments

Reference - pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27
- Louvion, J.-F., Warth, R. & Picard, D. (1996). Proc. Natl. Acad. Sci. USA, 93, 13937-13942.

DIDIER PICARD LAB, University of Geneva

Construct number

625

Date entered

16.2.96

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2U/fluHsp82 Δ 1-106

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/fluHsp82

Inserts

Yeast Hsp82 with N-ter deletion aa: 1-106 and with a flu epitope

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase promoter

Comments

Reference pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

626

Date entered

16.2.96

Constructed by

Louvion Jean-François

Date constructed

17.6.94

PLASMID NAME

pYES/fluhs82 Δ 582-601

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/fluhs82 Δ 582-601

Inserts Hsp82 with an internal deletions aa: 582-601 and with a flu epitope

Reporter gene

Promoter,
splice,
PolyA GAL1

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

627

Date entered

16.2.96

Constructed by

Louvion Jean-François

Date constructed

14.4.94

PLASMID NAME

p2UG/Ste11 Δ N

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2UG

bacterial plasmid

pUC18

other relevant source constructs

pUC/Ste11 Δ N 3x stop

Inserts Dominant Ste11 Δ

Reporter gene

Promoter,
splice,
PolyA GREs (3x26mer) upstream of CYC1 TATA region.

Comments

Reference for p2UG: Picard et al. (1990) Gene 86, 257-261.

DIDIER PICARD LAB, University of Geneva

Construct number

628

Date entered

16.2.96

Constructed by

Louvion Jean-François

Date constructed

6.4.94

PLASMID NAME

pUCERE/Ste11 ΔN

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2μ circle

parent vector

pUCΔERE

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pUC/Ste11 ΔN 3xstop

Inserts Dominant Ste11 ΔN

Reporter gene

Promoter, single ERE (CTCGAGTCAGGTCACAGTGACCTGATCAAGTCGAC)
splice, upstream of CYC1 TATA region.
PolyA Orientation: XhoI ----->(Sal1/XhoI) CYC1

Comments

Reference Picard et al. (1990) Nature **348**, 166-168

Construct number

629

Date entered

16.2.96

Constructed by

Louvion Jean-François

Date constructed

9.4.94

PLASMID NAME

pUCΔSS-GRE/Ste11ΔN

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2μ circle

parent vector

pUCΔSS-26x

bacterial plasmid

pUC18

other relevant source constructs

pUC/Ste11ΔN 3xstop

Inserts Dominant Ste11ΔN

Reporter gene

Promoter, CYC1 leader under GRE sites control.
splice,
PolyA

Comments 26x= GRE

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 630 Date entered 16.2.96
Constructed by Louvion Jean-François Date constructed 29.3.94

PLASMID NAME

puc18/Ste11 Δ N 3xstop

bacterial marker Amp

parent vector

puc18 3xstop codon

bacterial plasmid

pUC18

other relevant source constructs

pG/Ste11 Δ N.ER

Inserts Dominant Ste11 Δ N

Reporter gene

Promoter,
splice,
PolyA

Comments SnaBI SnaBI Asp718
TACGTAGATAGATAGAGCTCTATGTGTCTACGTAGGGTACC
SacI EcoRI
GAGCTCGAATTC

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

631

Date entered

16.2.96

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pYES/Ste11ΔN.DR

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2μ circle

parent vector

pYES

bacterial plasmid

other relevant source constructs

pYES/Ste11ΔN.ER

Inserts

Dominant Ste11ΔN fused to Dioxin receptor HBD

Reporter gene

Promoter,
splice,
PolyA GAL 1 + termination sequence

Comments Galactose inducible promoter

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

632

Date entered

16.2.96

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2HG/Ste11ΔN.DR

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2μ circle

parent vector

p2HG

bacterial plasmid

other relevant source constructs

pYES/Ste11ΔN.ER

Inserts

Dominant Ste11ΔN fused to Dioxin receptor HBD

Reporter gene

Promoter,
splice,
PolyA

GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

633

Date entered

16.2.96

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2HG/Ste11ΔN

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2μ circle

parent vector

p2HG

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pUC18/Ste11ΔN

Inserts Dominant Ste11ΔN

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase promoter

Comments

Reference pRS303: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27
Picard et al (1990) Nature 348: 166-168.

DIDIER PICARD LAB, University of Geneva

Construct number

634

Date entered

16.2.96

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2HG/Ste11

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pNC199

pSP65/Ste11

Inserts Yeast Ste11 coding sequences

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase promoter

Comments

Reference pRS303: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27
Picard et al (1990) Nature 348: 166-168.

DIDIER PICARD LAB, University of Geneva

Construct number

635

Date entered

16.2.96

Constructed by

Louvion Jean-François

Date constructed

dec.1993

PLASMID NAME

pNC199.MR

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pNC199

bacterial plasmid

other relevant source constructs

Z.MR

Inserts

STE11 coding sequences fused in frame with sequences coding for the hormone binding domain of the rat mineralocorticoid receptor 6

Reporter gene

Promoter, Ste11
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

636

Date entered

16.2.96

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2LG/STE11.GR

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

p2LG

bacterial plasmid

other relevant source constructs

pNC199, pSP65Ste11
pHCA/GAI4(93).GR

Inserts

STE11 coding sequences fused in frame with sequences coding for the hormone binding domain of the rat glucocorticoid receptor

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase (GPD)

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

637

Date entered

16.2.96

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

p2LG/STE11ΔN

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2μ circle

parent vector

p2LG

bacterial plasmid

other relevant source constructs

pUC18/Ste11ΔN

Inserts Dominant STE11 coding sequences

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase (GPD)

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

638

Date entered

16.2.96

Constructed by

Louvion Jean-François

Date constructed

14.2.94

PLASMID NAME

p2LG/LexA.ER.VP16

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

p2LG

bacterial plasmid

other relevant source constructs

pHCA/GAL4(93).ER.VP16
pSP72.LexA.ER

Inserts

DNA binding domain of LexA fused to the estrogen Hormone Binding Domain and the VP16 activation domain

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase (GPD)

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

639

Date entered

16.2.96

Constructed by

Louvion Jean-François

Date constructed

11.91

PLASMID NAME

pTCA/GAL4(1-93).GR.VP16

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

RS314

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pHCA/GAL4(93).GR.VP16

Inserts

GAL4 DNA binding domain (aa1-93) fused to GR hormone binding domain (aa525-795) and the VP16 activation domain.

Reporter gene

Promoter,
splice,
PolyA ADH

Comments

Reference pRS314: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.

DIDIER PICARD LAB, University of Geneva

Construct number

640

Date entered

16.2.96

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pTCA/GAL4(1-93).ER.VP16

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

RS314

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pHCA/GAL4(93).ER.VP16

Inserts

GAL4 DNA binding domain (aa 1-93) fused to ER hormone binding domain (aa 282-576) and teh VP16 activation domain

Reporter gene

Promoter,
splice,
PolyA alcohol dehydrogenase gene 1 promoter (ADH)

Comments

Reference pRS314: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.

DIDIER PICARD LAB, University of Geneva

Construct number

641

Date entered

18.2.96

Constructed by

Louvion Jean-François

Date constructed

7.6.95

PLASMID NAME

p2HA/LexA.Hsp82

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pBTM116

p2U/fluHsp82

Inserts LexA fused to yeast Hsp82

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase promoter

Comments

Reference pRS303: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27
Picard et al (1990) Nature 348: 166-168.

DIDIER PICARD LAB, University of Geneva

Construct number

642

Date entered

18.2.96

Constructed by

Louvion Jean-François

Date constructed

12.6.95

PLASMID NAME

pG/Ste11.VP16

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG-1

bacterial plasmid

pUC

other relevant source constructs

pYES/Ste11.VP16

Inserts

Yeast Ste11 fused to the VP16 activation domain

Reporter gene

Promoter, glyceraldehyde-3-phosphate dehydrogenase (GPD)
splice, termination and polyA sites from 3-phosphoglycerate kinase (PGK)
PolyA

Comments strong expression from constitutive promoter

Reference Schena M. et al (1991) Methods in Enzymology 194:389-398.

DIDIER PICARD LAB, University of Geneva

Construct number

643

Date entered

18.2.96

Constructed by

Louvion Jean-François

Date constructed

24.4.95

PLASMID NAME

pYES/LexA

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES

bacterial plasmid

other relevant source constructs

pBTM116

Inserts Bacterial LexA

Reporter gene

Promoter,
splice,
PolyA GAL 1 + termination sequence

Comments Galactose inducible promoter

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

644

Date entered

18.2.96

Constructed by

Louvion Jean-François

Date constructed

2.5.95

PLASMID NAME

p2HG/LexA.VP16

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

CRF2, pYES/LexA

Inserts Bacterial LexA fused to the VP16 activation domain

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase promoter (GPD)

Comments

Reference for p2HG: Picard et al (1990) Nature 348: 166-168.

DIDIER PICARD LAB, University of Geneva

Construct number

645

Date entered

18.2.96

Constructed by

Louvion Jean-François

Date constructed

9.4.95

PLASMID NAME

pHCA/LexA.Hsp82

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pBTM116

pHCA/GAL4(1-93).Hsp82

Inserts Bacterial LexA binding domain fused to the yeast Hsp82 coding sequences

Reporter gene

Promoter,
splice,
PolyA alcohol dehydrogenase 1 gene promoter (constitutive)

Comments

Reference pRS313: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.
ADH promoter from pGG22 Gill and Ptashne, 1987, Cell 51: 121-126.

DIDIER PICARD LAB, University of Geneva

Construct number

646

Date entered

19.2.96

Constructed by

Louvion Jean-François

Date constructed

9.4.95

PLASMID NAME

pTCA/GAL4(1-93).Ste11

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

RS314

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pNC275
pHCA/GAL4(93).ER.VP16

Inserts GAL4 DNA binding domain (aa1-93) fused to Ste11 (+ myc epitope)

Reporter gene

Promoter, ADH
splice,
PolyA

Comments

Reference pRS314: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.

DIDIER PICARD LAB, University of Geneva

Construct number

647

Date entered

19.2.96

Constructed by

Louvion Jean-François

Date constructed

5.5.95

PLASMID NAME

pHCA/GAL4(1-93).Ste11

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

RS313

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pTCA/GAL4(93).ER.VP16

Inserts GAL4 DNA binding domain (aa1-93) fused to Ste11 (+ myc epitope)

Reporter gene

Promoter,
splice,
PolyA ADH

Comments

Reference pRS313: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.

DIDIER PICARD LAB, University of Geneva

Construct number

648

Date entered

19.2.96

Constructed by

Louvion Jean-François

Date constructed

5.5.95

PLASMID NAME

pUCA/cyc1Ste7

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

RS316

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pNC318

Inserts yeast Ste7 (+ myc epitope)

Reporter gene

Promoter, CYC-1 induced by 1 % sucrose (repressed in 2% glucose)
splice,
PolyA

Comments

Reference pRS316: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.

DIDIER PICARD LAB, University of Geneva

Construct number

649

Date entered

19.2.96

Constructed by

Louvion Jean-François

Date constructed

19.1.95

PLASMID NAME

pHCA/GPDSte7

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

RS313

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pNC318

Inserts yeast Ste7 (+ myc epitope)

Reporter gene

Promoter,
splice,
PolyA GPD (constitutive)

Comments

Reference pRS313: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.

DIDIER PICARD LAB, University of Geneva

Construct number

650

Date entered

19.2.96

Constructed by

Louvion Jean-François

Date constructed

2.2.94

PLASMID NAME

pSP72/LexA.ER

bacterial marker Amp

parent vector

pSP72

bacterial plasmid

other relevant source constructs

pSP72.ER (282-576)

Inserts

Bacterial LexA fused to ER hormone binding domain

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

651

Date entered

19.2.96

Constructed by

Date constructed

PLASMID NAME

pAS249

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

YCP50

bacterial plasmid

other relevant source constructs

Inserts genomic Sau3A fragment of PAN1

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Sachs and Deardorf (1992) Cell 70: 961-973

Construct number

652

Date entered

19.2.96

Constructed by

Date constructed

PLASMID NAME

pAS269

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

pAS252

bacterial plasmid

pUC19

other relevant source constructs

Inserts PAN1 disrupted by HIS3 gene

Reporter gene

Promoter,
splice,
PolyA

Comments Use XbaI-SacI fragment to create a PAN1-deleted strain

Reference Sachs and Deardorf (1992) Cell 70: 961-973

DIDIER PICARD LAB, University of Geneva

Construct number

653

Date entered

19.2.96

Constructed by

Louvion Jean-François

Date constructed

16.2.95

PLASMID NAME

pYES/MAPKK

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES

bacterial plasmid

other relevant source constructs

MAPKK

Inserts Hamster dominant MAPKK coding sequences

Reporter gene

Promoter, GAL1 promoter (galactose inducible)
splice,
PolyA Termination (?) sequences

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

655

Date entered

19.2.96

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pUC18/ER

bacterial marker Amp

parent vector

pUC18

bacterial plasmid

other relevant source constructs

pHCA/GAL4(93).ER

Inserts

hormone binding domain of h ER (amino acids 282-576)

Reporter gene

Promoter,
splice,
PolyA

Comments

The fusion protein can be activated (transcriptional activation) by addition of 0.1 μ M β -estradiol.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

656

Date entered

19.2.96

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pUC18/GR

bacterial marker Amp

parent vector

pUC18

bacterial plasmid

other relevant source constructs

Inserts

hormone binding domain of r GR (amino acids 525-795)

Reporter gene

Promoter,
splice,
PolyA

Comments constitutive expression

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

657

Date entered

19.2.96

Constructed by

Louvion Jean-François

Date constructed

5.9.94

PLASMID NAME

pKS/rAR

bacterial marker

Amp

parent vector

pKS

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

lotus2

Inserts

rat androgen receptor hormone binding domain (aa:606-901)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

658

Date entered

19.2.96

Constructed by

Lindquist lab

Date constructed

1988

PLASMID NAME

pTT8/gal*hsp82

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pTT8

bacterial plasmid

pBM150

other relevant source constructs

Inserts yeast hsp82 coding region (3 Kb)

Reporter gene

Promoter, gal10/gal1* (5-10% of Hsp82 levels when cells are grown in 2% glucose)
splice,
PolyA

Comments see pTT8 for more details

Reference for vector: (1984) MCB 4:1440-1448

DIDIER PICARD LAB, University of Geneva

Construct number

659

Date entered

19.2.96

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pSG5/VP16.ER

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pKCR2

bacterial plasmid

Bluescribe M13+

other relevant source constructs

p2LG/VP16.ER

Inserts

Activation domain of VP16 fused to the hormone binding domain of hER (282-595)

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

660

Date entered

19.2.96

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pSG5/VP16.GR

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pKCR2

bacterial plasmid

Bluescribe M13+

other relevant source constructs

p2LG/VP16.ER

Inserts Activation domain of VP16 fused to the hormone binding domain of rGR

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

661

Date entered

19.2.96

Constructed by

Louvion Jean-François

Date constructed

22.2.95

PLASMID NAME

pUCA/MAPKK

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

RS316

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

MAPKK

Inserts hamster dominant MAPKK

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference pRS316: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.

DIDIER PICARD LAB, University of Geneva

Construct number

662

Date entered

19.2.96

Constructed by

Jean-François Louvion

Date constructed

PLASMID NAME

pUC18/hHSP90 β

bacterial marker Amp

parent vector

pUC18

bacterial plasmid

other relevant source constructs

LF/GAL4(1-93).hHSP90 β

Inserts human HSP90 β

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

663

Date entered

19.2.96

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pYES/ER(282-576)

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES

bacterial plasmid

other relevant source constructs

HE14

Inserts hER hormone binding domain

Reporter gene

Promoter, GAL 1 + termination sequence
splice,
PolyA

Comments Galactose inducible promoter

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

664

Date entered

19.2.96

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pVZ/ER(282-576)

bacterial marker Amp

parent vector

pVZ

bacterial plasmid

other relevant source constructs

HE14

Inserts hER hormone binding domain

Reporter gene

Promoter,
splice,
PolyA GAL 1 + termination sequence

Comments Galactose inducible promoter

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

665

Date entered

19.2.96

Constructed by

Louvion Jean-François

Date constructed

23.6.95

PLASMID NAME

pSP72/GST

bacterial marker Amp

parent vector

pSP72

bacterial plasmid

other relevant source constructs

pGEX-1N

Inserts GST

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

666

Date entered

19.2.96

Constructed by

Louvion Jean-François

Date constructed

2.5.95

PLASMID NAME

p2 μ U 6

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pRS306

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U

Inserts 2 μ circle

Reporter gene

Promoter,
splice,
PolyA

Comments NO PROMOTER !

Reference pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

667

Date entered

19.2.96

Constructed by

Louvion Jean-François

Date constructed

2.5.95

PLASMID NAME

p2 μ U7

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pRS306

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U

Inserts 2 μ circle

Reporter gene

Promoter,
splice,
PolyA

Comments NO PROMOTER !

Reference pRS306: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

DIDIER PICARD LAB, University of Geneva

Construct number

668

Date entered

19.2.96

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pTCA/GAL4(1-93).VP16

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

RS314

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pHCA/GAL4(93).VP16

Inserts GAL4 DNA binding domain (aa1-93) fused to the activation domain of VP16

Reporter gene

Promoter, ADH
splice,
PolyA

Comments

Reference pRS314: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.

DIDIER PICARD LAB, University of Geneva

Construct number

669

Date entered

19.2.96

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pTCA/GAL4(1-93)

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

RS314

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pHCA/GAL4(93)

Inserts GAL4 DNA binding domain (aa1-93)VP16

Reporter gene

Promoter,
splice,
PolyA ADH

Comments

Reference pRS314: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.

DIDIER PICARD LAB, University of Geneva

Construct number

670

Date entered

19.2.96

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

pHCA/GAL4(1-93)

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

other relevant source constructs

pHCA/GAL4(1-93).ER

Inserts

Reporter gene

Promoter,
splice,
PolyA

ADH

Comments

Reference pRS313: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.

DIDIER PICARD LAB, University of Geneva

Construct number

671

Date entered

19.2.96

Constructed by

Louvion Jean-François

Date constructed

19.1.95

PLASMID NAME

pUCA/GPDSte7

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

pRS316

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pNC318

Inserts yeast Ste7 (+ myc epitope)

Reporter gene

Promoter,
splice,
PolyA GPD (constitutive)

Comments

Reference pRS316: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.

DIDIER PICARD LAB, University of Geneva

Construct number

672

Date entered

19.2.96

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

LF/GAL4(1-93).hHSP90 β

bacterial marker Amp

yeast marker

eucaryotic replicon

parent vector

bacterial plasmid

other relevant source constructs

pKN1-3, pSCTEV-gal93-LF1

Inserts

GAL4 DNA Binding Domain fused to hHsp90 β coding sequences.

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments

strong expression from constitutive promoter

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

673

Date entered

19.2.96

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

LF/GAL4(1-93).VP16

bacterial marker Amp

yeast marker

eucaryotic replicon

parent vector

LF1

bacterial plasmid

other relevant source constructs

pUC18/VP16,pHCA/GAL4(93).VP16

Inserts

GAL4 DNA Binding Domain fused to the activation domain of VP16

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments strong expression from constitutive promoter

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

674

Date entered

19.2.96

Constructed by

Louvion Jean-françois

Date constructed

PLASMID NAME

pHCA/LexA.GAL4(848)

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pUC/GAL4(848) 3xstop

Inserts LexA fused to GAL4 coding sequences (1-848).

Reporter gene

Promoter,
splice,
PolyA ADH promoter (constitutive)

Comments

Reference pRS313: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.
ADH promoter from pGG22 Gill and Ptashne, 1987, Cell 51: 121-126.

DIDIER PICARD LAB, University of Geneva

Construct number

675

Date entered

19.2.96

Constructed by

Louvion Jean-François

Date constructed

PLASMID NAME

puc18/GAL4(848)3xstop codon

bacterial marker Amp

parent vector

puc18

bacterial plasmid

other relevant source constructs

pGG22

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference GG22 (WT GAL4): Gill and Ptashne, 1987, Cell 51: 121-126.

Construct number

676

Date entered

26.2.96

Constructed by

Miksicek lab

Date constructed

PLASMID NAME

pCMV-ER20

bacterial marker Amp

parent vector

pCMV-4

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts

double mutant of human estrogen receptor (hER):

- L454P (CTT -> CCT)
- V534G (GTG -> GGG)

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - hGH 3' sequence
PolyA

Comments

- mutant was obtained as a PCR artefact
- does not bind hormone in vitro, but can be activated transcriptionally with about 10 μ M.
- pronounced cytoplasmic phenotype

Reference

Construct number

677

Date entered

26.2.96

Constructed by

Miksicek lab

Date constructed

PLASMID NAME

pCMV-ERΔE5

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pCMV-4

bacterial plasmid

other relevant source constructs

Inserts

human estrogen receptor (hER) truncated after exon 4. G366 is the last natural residue followed by TRENV (from PCR).

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - hGH 3' sequence
PolyA

Comments - weakly constitutively active ?

Reference

Construct number

678

Date entered

26.2.96

Constructed by

Miksicek lab

Date constructed

PLASMID NAME

pERΔE7

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

human estrogen receptor (hER) truncated by skipping of exon 7 (causes a frame-shift and premature termination).

S456 is the last natural residue. After that the sequence reads:

GAA CAA AGG CAT GGA GCA TCT GTA CAG CAT GAA GTG CAA
GAA CGT GGT GCC CCT CTA **TGA**.

Reporter gene

Promoter, - CMV enhancer, T3 promoter, HSV TK promoter (?)
splice,
PolyA - SV40 poly A site

Comments - dominant negative or inactive (depending on context?).

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

679

Date entered

29.2.96

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.3.96

Constructed by T. Mattioni

Date constructed 1995

PLASMID NAME

pUC-ABA

bacterial marker Amp

parent vector

puc8

bacterial plasmid

other relevant source constructs

Inserts ABA amplified by PCR using VP16 oligo and an oligo coding for a BamH1 site in frame with the green protein in the vector p2U/F.ER

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.3.96

Constructed by T. Mattioni

Date constructed 1996

PLASMID NAME

pNef/F65-ABA

bacterial marker Amp

parent vector

pNef

bacterial plasmid

other relevant source constructs

pucABA, pNef/F65.C447S, p2U/F.ER

Inserts Green protein fused in frame with ABA fragment (500bp)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

682

Date entered

27.3.96

Constructed by

Elion lab

Date constructed

?

PLASMID NAME

BB192

alternative name

pYBS146

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pJG4-5

bacterial plasmid

pUC13

other relevant source constructs

Inserts

ATG - SV40 nuclear localization signal (PPKKKRKVA) - B42 transcription activation domain - HA1 epitope tag (YPYDVPDYA) fused to Ste5

Reporter gene

Promoter, - GAL1 promoter (galactose-inducible)
splice, - ADH1 terminator.
PolyA

Comments

Ste5 prey construct. Plasmid appears under pYBS146 in Choi et al. reference (obtained from Elion lab 3/96).

Reference

Choi et al. (1995) Cell 78, 499-512

Construct number

683

Date entered

27.3.96

Constructed by

Elion lab

Date constructed

?

PLASMID NAME

BB345

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

LEX202+PL

bacterial plasmid

?

other relevant source constructs

Inserts LexA AA 1-202 fused to Ste11

Reporter gene

Promoter, - ADH1 promoter.
splice, - ADH1 terminator.
PolyA

Comments Ste11 bait construct. Details not clear since plasmid under this name does not appear in Choi et al. reference (obtained from Elion lab 3/96). Identical to pYBS345?

Reference Choi et al. (1995) Cell 78, 499-512
for LEX202+PL: Ruden et al. Nature 350, 250-252 ?

Construct number

684

Date entered

27.3.96

Constructed by

Elion lab

Date constructed

?

PLASMID NAME

BB325

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

LEX202+PL

bacterial plasmid

?

other relevant source constructs

Inserts LexA AA 1-202 fused to Ste7

Reporter gene

Promoter, - ADH1 promoter.
splice, - ADH1 terminator.
PolyA

Comments Ste7 bait construct. Details not clear since plasmid under this name does not appear in Choi et al. reference (obtained from Elion lab 3/96). Identical to pYBS325?

Reference Choi et al. (1995) Cell 78, 499-512
for LEX202+PL: Ruden et al. Nature 350, 250-252 ?

Construct number

685

Date entered

27.3.96

Constructed by

Elion lab

Date constructed

?

PLASMID NAME

BB336

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

LEX202+PL

bacterial plasmid

?

other relevant source constructs

Inserts LexA AA 1-202 fused to Kss1

Reporter gene

Promoter, - ADH1 promoter.
splice, - ADH1 terminator.
PolyA

Comments Kss1 bait construct. Details not clear since plasmid under this name does not appear in Choi et al. reference (obtained from Elion lab 3/96). Identical to pYBS336?

Reference Choi et al. (1995) Cell 78, 499-512

for LEX202+PL: Ruden et al. Nature 350, 250-252 ?

Construct number

686

Date entered

26.4.96

Constructed by

P. Muller (Bern)

Date constructed

PLASMID NAME

pB23

bacterial marker Amp

URA3

eucaryotic replicon CEN/ARS

parent vector

YCp50 (URA3)

bacterial plasmid

other relevant source constructs

Inserts GCN4 leader fused to lacZ

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

688

Date entered

29.4.96

Constructed by

Olfa Hooft van H uijdsuijnen

Date constructed

PLASMID NAME

pvp16-ABA1-3

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

p vp16

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 1.5.96

Constructed by Jiawei LIU

Date constructed 1.5.1996

PLASMID NAME

pART1-ER(G)

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

pART1-N795

bacterial plasmid

PUC118

other relevant source constructs

pART1, pG/ER(G)

Inserts human estrogen receptor (ER).
Wild-type form, i.e. Gly400

Reporter gene

Promoter, ADH promoter
splice,
PolyA

Comments -S. pombe expression vector

Reference

Construct number

690

Date entered

2.5.96

Constructed by

Lab Weinstein

Date constructed

PLASMID NAME

pMV-7

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

bacterial plasmid

other relevant source constructs

Inserts -rat PKC β I

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference -Housey,G.M. et al. (1988), Cell 52, 343-354
- pMV-7 was sent as a gift by Dr. Christoph Borner, University of
Fribourg

Construct number

691

Date entered

6.5.96

Constructed by

Date constructed

PLASMID NAME

pmt-2 MOR 1-599

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

EcoR1 fragment from psP6MoR (mouse oestrogen receptor)1-599 subcloned into the EcoR1 site of the pmT-2 vector

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

692

Date entered

6.5.96

Constructed by

Parker Lab

Date constructed

PLASMID NAME

pMT2 MOR Y541F

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts mouse estrogen receptor carrying a mutation at tyr 541 to phenylalanine

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

693

Date entered

6.5.96

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.5.96

Constructed by Jiawei Liu

Date constructed 7.5.1996

PLASMID NAME

pART1-cPR

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

pART1

bacterial plasmid

PUC118

other relevant source constructs

p2LG/cPR

Inserts -chicken progesterone receptor (cPR)

Reporter gene

Promoter,
splice,
PolyA -ADH promoter

Comments -S. pombe expression vector

Reference

Construct number

695

Date entered

7.5.96

Constructed by

Lab of Markus O. Imhof

Date constructed

PLASMID NAME

pBM-PRE11

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pbm2389

bacterial plasmid

other relevant source constructs

Inserts

-contains one PRE upstream of a modified GAL1 promoter and the HIS3 coding region.
- TRP1 marker gene is inserted in the URA3 gene.

Reporter gene

Promoter,
splice,
PolyA -GAL1 promoter

Comments

Reference

-This plasmid was sent as a gift, together with pBM-PRE9, by Dr. Markus O. Imhof, Duke University Medical Centre, Durham.

Construct number

696

Date entered

7.5.96

Constructed by

Lab of Markus O. Imhof

Date constructed

PLASMID NAME

pBM-PRE9

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

-This plasmid was sent as a gift, together with pBM-PRE11 by Dr. Markus O. Imhof, Duke University Medical Centre, Durham.

Construct number

697

Date entered

22.5.96

Constructed by

Andrew McMahon lab

Date constructed

PLASMID NAME

pHYK-Wnt-1

bacterial marker Amp

parent vector

pHYK

bacterial plasmid

pBr322/pUC hybrid

other relevant source constructs

Inserts Wnt-1

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

698

Date entered

29.5.96

Constructed by

Didier Picard (Yamamoto lab)

Date constructed

< 1990

PLASMID NAME

ER.GR

alternative name

pHE298.NL2

bacterial marker Amp

parent vector

HE0

bacterial plasmid

pBR322?

other relevant source constructs

Z.540C

eucaryotic replicon SV40 ori

Inserts

human estrogen receptor (hER) aa 1-298 fused to rat glucocorticoid receptor (rGR) aa 540-795

Reporter gene

Promoter,
splice,
PolyA

- SV40 early
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

GR hormone binding domain (HBD) is substituted for that of the hER (activate with 10 μ M Dex).

Reference

Bunone et al. (1996) EMBO J. 15, 2174-2183.

Construct number

699

Date entered

29.5.96

Constructed by

Didier Picard (Yamamoto lab)

Date constructed

< 1990

PLASMID NAME

pC7G

bacterial marker Amp

parent vector

bacterial plasmid
BLUESCRIPT M13+
other relevant source constructs

Inserts rat glucocorticoid receptor (rGR), full-length

Reporter gene

Promoter, - CMV1 enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - SV40 splice and polyA.

Comments

Reference Bunone et al. (1996) EMBO J. 15, 2174-2183.

Construct number

700

Date entered

30.5.96

Constructed by

Didier Picard (Yamamoto lab)

Date constructed

3/89

PLASMID NAME

p2UG

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

pUC18

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA GREs (3x26mer) upstream of CYC1 TATA region.

Comments there is a polylinker with unique sites downstream of the start site of transcription; allows insertion of cDNAs with their own AUG and stop codon.

Reference Picard et al. (1990) Gene 86, 257-261.

Construct number

701

Date entered

7.6.96

Constructed by

lab of HEIMO RIEDDL

Date constructed

PLASMID NAME

YEP-51

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments -control for YEP/PKC α

Reference -Molecular and Cellular Biology, Aug. 1993, Vol.13, No.8, p-4728-4735
-a gift from Dr. HEIMO RIEDDL, Harvard Medical School, Boston

Construct number

702

Date entered

7.6.96

Constructed by

lab of HEIMO RIEDDL

Date constructed

PLASMID NAME

YEP/PKC α

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts -Bovine PKC α

Reporter gene

Promoter,
splice,
PolyA -GAL10 promoter, inducible by Galactose

Comments -PKC α is functionally expressed in yeast
-4x increase in cell doubling time and a substantial decrease in yeast colony size on plates with presence of PMA

Reference -Molecular and Cellular Biology, Aug. 1993, Vol.13, No.8, p-4728-4735
-a gift from Dr. HEIMO RIEDDL, Harvard Medical School, Boston

Construct number

703

Date entered

7.6.96

Constructed by

lab of HEIMO RIEDDL

Date constructed

PLASMID NAME

VTC/PKC α

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts -Bovine PKC α

Reporter gene

Promoter,
splice,
PolyA -ADC promoter

Comments -see YEP/PKC α

Reference -Molecular and Cellular Biology, Aug. 1993, Vol.13, No.8, p-4728-4735
-a gift from Dr. HEIMO RIEDDL, Harvard Medical School, Boston

Construct number

704

Date entered

13.6.96

Constructed by

George F. Sprague lab

Date constructed

PLASMID NAME

pSL1654

bacterial marker Amp

yeast marker URA3

parent vector

pRS306

bacterial plasmid

BS

other relevant source constructs

Inserts constitutive allele of *STE11* (*STE11-1*); 3.6 kb XbaI fragment

Reporter gene

Promoter,
splice,
PolyA

Comments KpnI site of pRS306 polylinker is destroyed; plasmid can be linearized with KpnI for integration into genome.

Reference Stevenson et al. (1992) Genes Dev. 6, 1293-1304

Construct number

705

Date entered

17.6.96

Constructed by

Maria Catelli lab

Date constructed

1995

PLASMID NAME

pTGpd90 Δ 601-620

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pRS314

bacterial plasmid

other relevant source constructs

Inserts chicken Hsp90 α deletion mutant (Δ AA601-620).

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

706

Date entered

27.6.96

Constructed by

Abbas-Terki Toufik

Date constructed

01.96

PLASMID NAME

pG1 α wt

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

pUC 18

other relevant source constructs

pG1 α

Inserts

α peptide wt cloned by PCR from Lac Z (AA 1-85)
use in α complementation with Ω fragment

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference Abbas-Terki T. and Picard D. (1999), Eur J. Biochem. 266, 517-523

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 1.7.96

Constructed by Abbas-Terki Toufik

Date constructed 3.1996

PLASMID NAME

p2U /M15

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pRS306

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2HG Ω

Inserts Ω fragment from LacZ (deletion of AA 10-41)
Use with α peptide for the α complementation

Reporter gene

Promoter, GPD
splice,
PolyA

Comments

Reference

Construct number

708

Date entered

1.7.96

Constructed by

Wigler lab (Jeffrey Gerst)

Date constructed

PLASMID NAME

YCp50-RAS2Val19

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

other relevant source constructs

Inserts Val19 mutant of S. cerevisiae RAS2

Reporter gene

Promoter,
splice,
PolyA

Comments received from Fink lab (7/96)

Reference used in: Mösch et al. (1996) PNAS 93, 5352-5356

Construct number

Date entered 2.7.96

Constructed by

Date constructed

PLASMID NAME

pGEX-1

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

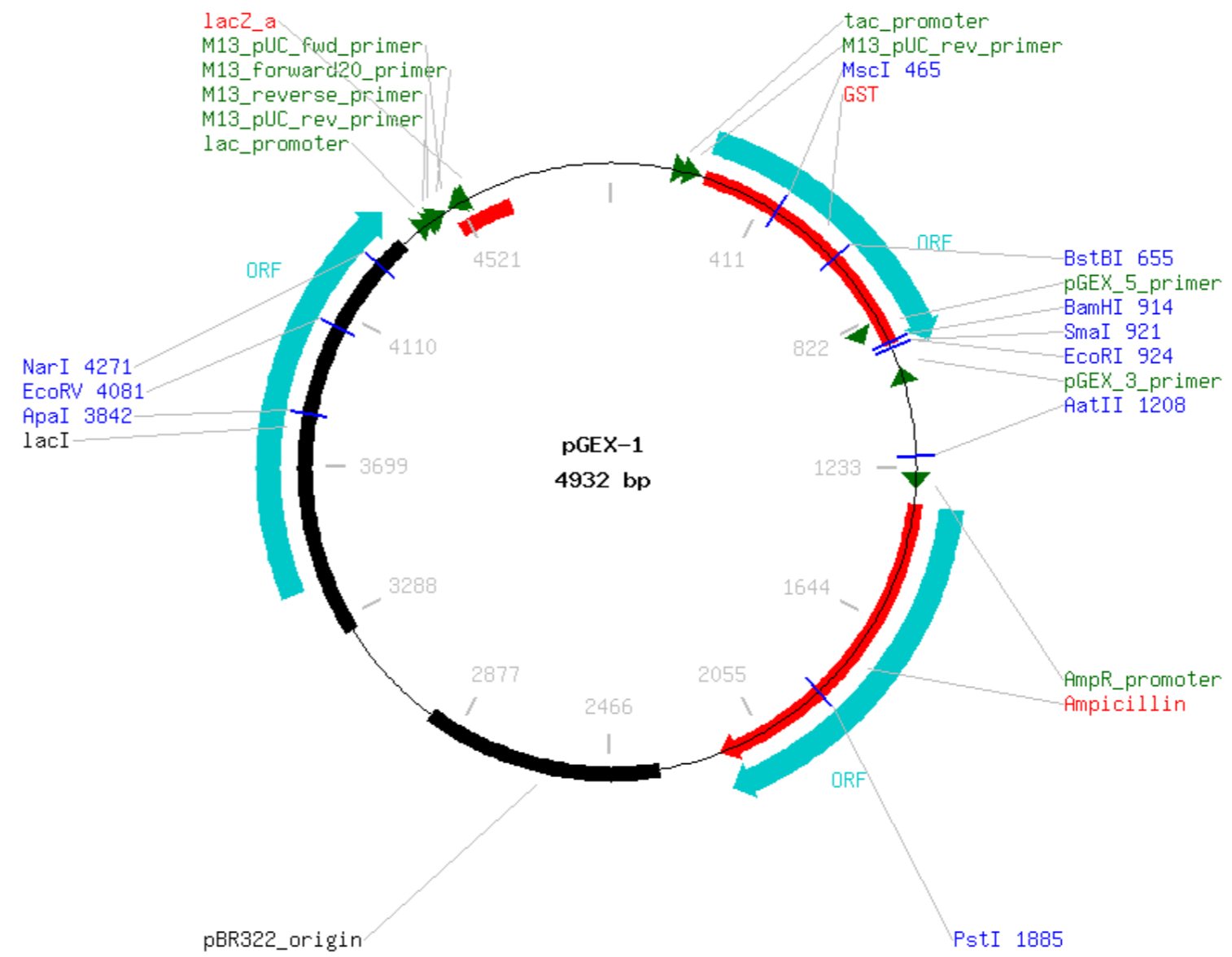
Inserts

Reporter gene

Promoter, splice, PolyA tac

Comments also contains lacIq

Reference Genebank accession number M21676
Smith and Johnson (1988) Gene 67, 31-40



DIDIER PICARD LAB, University of Geneva

Construct number

710

Date entered

9.7.96

Constructed by

Pierre-André Briand

Date constructed

6/96

PLASMID NAME

p2TAX.ABA1

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pBTM116

bacterial plasmid

other relevant source constructs

ABA1-3

Inserts LexA fused to ABA1 (about 150 AA)

Reporter gene

Promoter, ADH promoter and terminator
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

711

Date entered

9.7.96

Constructed by

Pierre-André Briand

Date constructed

6/96

PLASMID NAME

p2TAX.C4K-

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pBTM116

bacterial plasmid

other relevant source constructs

Inserts

LexA fused to murine c-Abl AA 48-632. Abl is a kinase-defective mutant (K290M).

Reporter gene

Promoter,
splice,
PolyA ADH1 promoter and terminator

Comments

Abl insert was generated by PCR with Pfu DNA pol. and the oligos
CCAAGGATCCCCCTGCAGAGGCCAGTG and
CCAAGGATCCTACGTCGGCGCCATTTTC

Reference

Construct number

712

Date entered

12.7.96

Constructed by

Marco Foiani

Date constructed

PLASMID NAME

c102-2

bacterial marker Amp

parent vector

YCp50

bacterial plasmid

other relevant source constructs

Inserts contains GCN2 gene (eIF-2 α -kinase)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Donzé and Picard, *Mol Cell Biol.* 1999 Dec;19(12):8422-8432.

Construct number

713

Date entered

5.8.96

Constructed by

Maria Catelli lab

Date constructed

1995

PLASMID NAME

pTGpd90 Δ 381-441

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pRS314

bacterial plasmid

other relevant source constructs

Inserts chicken Hsp90 α deletion mutant (Δ 381-441).

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments

Reference

Construct number

714

Date entered

5.8.96

Constructed by

Maria Catelli lab

Date constructed

1995

PLASMID NAME

pTGpd90 Δ 521-540

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pRS314

bacterial plasmid

other relevant source constructs

Inserts chicken Hsp90 α deletion mutant (Δ 521-540).

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments

Reference

Construct number

715

Date entered

5.8.96

Constructed by

Maria Catelli lab

Date constructed

1995

PLASMID NAME

pTGpd90 Δ 548-567

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pRS314

bacterial plasmid

other relevant source constructs

Inserts chicken Hsp90 α deletion mutant (Δ 548-567).

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments

Reference

Construct number

716

Date entered

5.8.96

Constructed by

Maria Catelli lab

Date constructed

1995

PLASMID NAME

pTGpd90 Δ 661-677

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pRS314

bacterial plasmid

other relevant source constructs

Inserts chicken Hsp90 α deletion mutant (Δ 661-677).

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments

Reference

Construct number

717

Date entered

5.8.96

Constructed by

Maria Catelli lab

Date constructed

1995

PLASMID NAME

pTGpd90 Δ 699-728

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pRS314

bacterial plasmid

other relevant source constructs

Inserts chicken Hsp90 α deletion mutant (Δ 699-728).

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

718

Date entered

8.8.96

Constructed by

Pierre-André Briand

Date constructed

8/96

PLASMID NAME

p2TAXC

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pBTM116

bacterial plasmid

Bluescript

other relevant source constructs

p2LAXC, pyCyp40

Inserts full-length LexA fused to full-length yeast Cyp40

Reporter gene

Promoter,
splice,
PolyA ADH1 promoter and terminator

Comments bait construct for two-hybrid screen. Equivalent to p2LAXC (which has LEU2 marker instead of TRP1).

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

719

Date entered

8.8.96

Constructed by

Pierre-André Briand

Date constructed

8/96

PLASMID NAME

pVP16.C4K-

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pVP16

bacterial plasmid

other relevant source constructs

p2TAX.C4K-

Inserts VP16 fused to murine c-Abl AA 48-632. Abl is a kinase-defective mutant (K290M).

Reporter gene

Promoter, ADH1 promoter and terminator
splice,
PolyA

Comments prey construct for the two-hybrid system. Abl insert was originally generated by PCR with Pfu DNA pol. (to construct plasmid p2TAX.C4K-).

Reference

Construct number 720

Date entered 9.8.96

Constructed by Sikorski and Hieter

Date constructed

PLASMID NAME

pRS303

bacterial marker Amp

parent vector

yeast marker HIS3

bacterial plasmid

Bluescript

other relevant source constructs

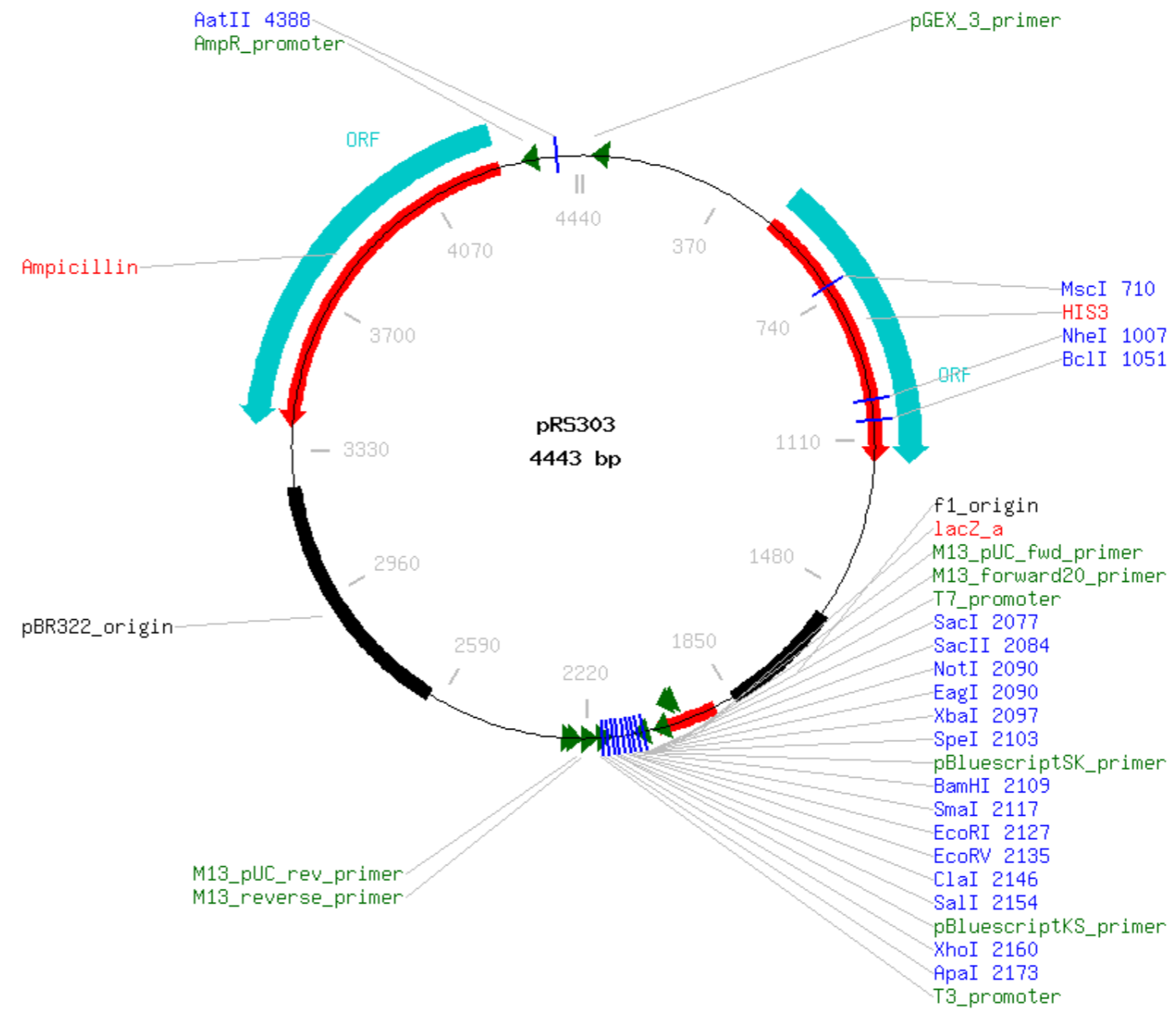
Inserts

Reporter gene

Promoter, splice, PolyA

Comments yeast vector for integration

Reference Sikorski and Hieter (1989) Genetics 122, 19-27.



Construct number 721

Date entered 9.8.96

Constructed by Sikorski and Hieter

Date constructed

PLASMID NAME

pRS313

bacterial marker Amp	parent vector
yeast marker HIS3	bacterial plasmid Bluescript
eucaryotic replicon CEN/ARS	other relevant source constructs

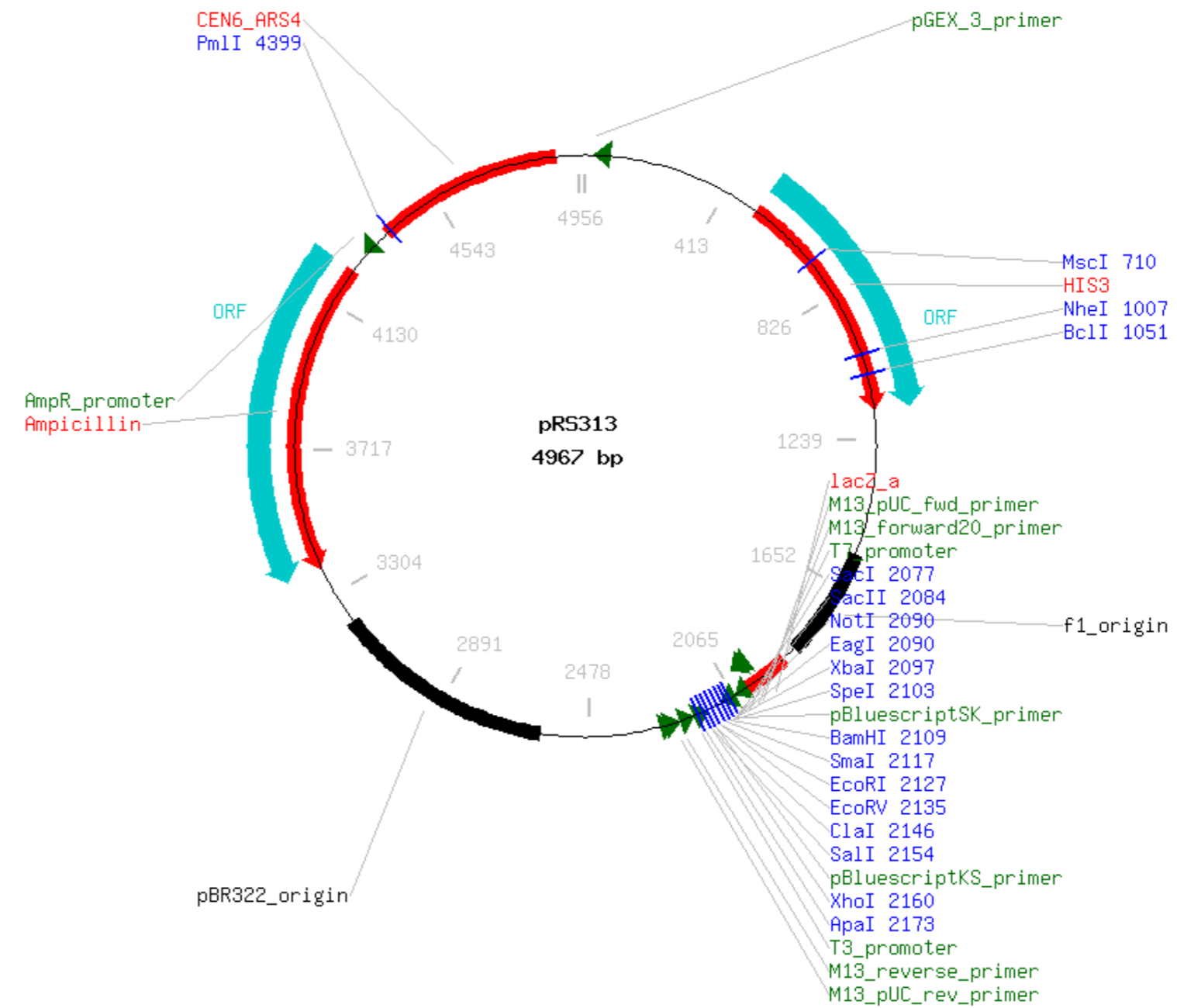
Inserts

Reporter gene

Promoter, splice, PolyA

Comments low copy number yeast episomal vector

Reference Sikorski and Hieter (1989) Genetics 122, 19-27.



Construct number 722

Date entered 9.8.96

Constructed by Sikorski and Hieter

Date constructed

PLASMID NAME

pRS314

<u>bacterial marker</u> Amp	<u>parent vector</u>
<u>yeast marker</u> TRP1	<u>bacterial plasmid</u> Bluescript
<u>eucaryotic replicon</u> CEN/ARS	<u>other relevant source constructs</u>

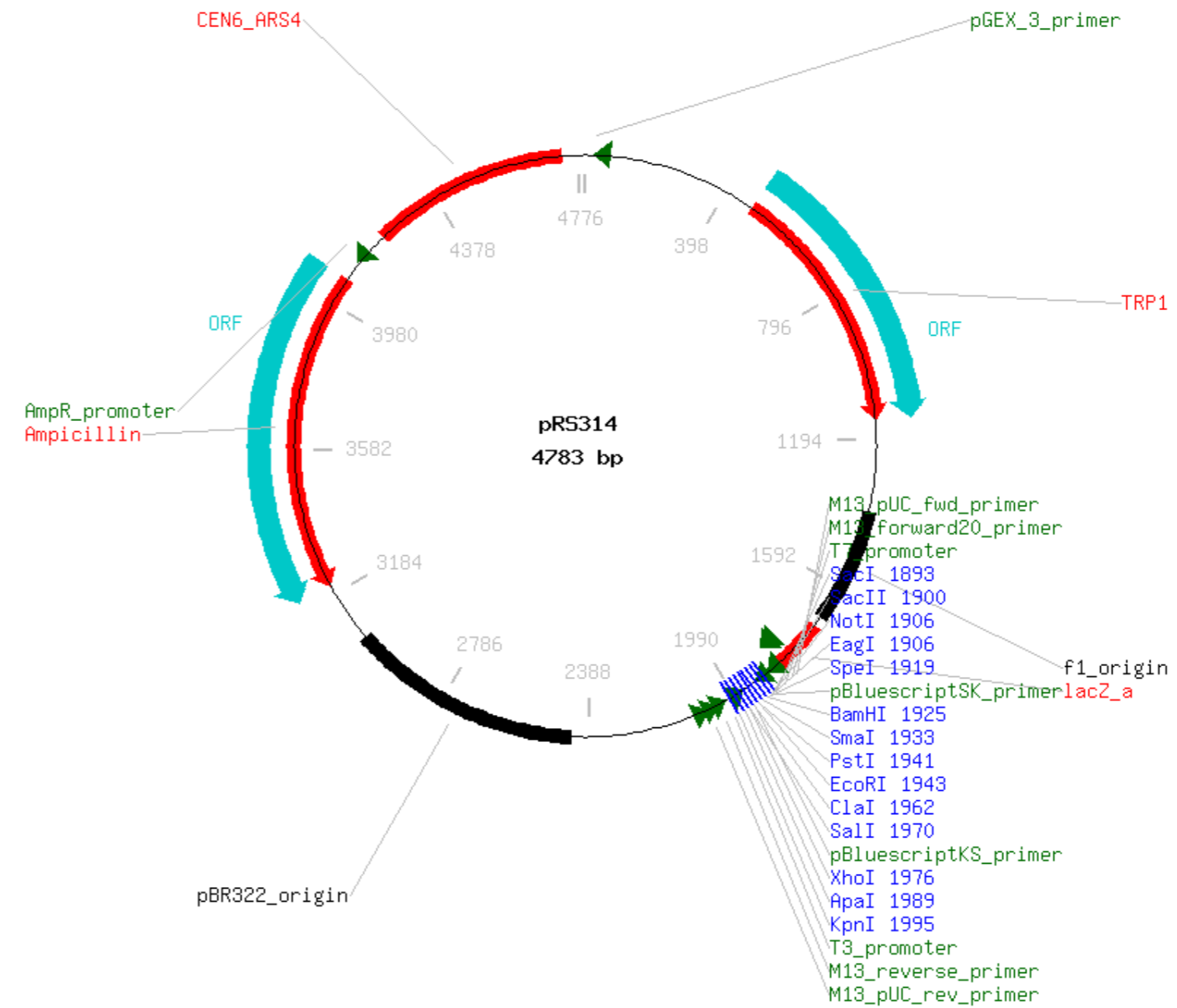
Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments low copy number yeast episomal vector

Reference Sikorski and Hieter (1989) Genetics 122, 19-27.



Construct number 723

Date entered 9.8.96

Constructed by Sikorski and Hieter

Date constructed

PLASMID NAME

pRS315

bacterial marker Amp	parent vector
yeast marker LEU2	bacterial plasmid Bluescript
eucaryotic replicon CEN/ARS	other relevant source constructs

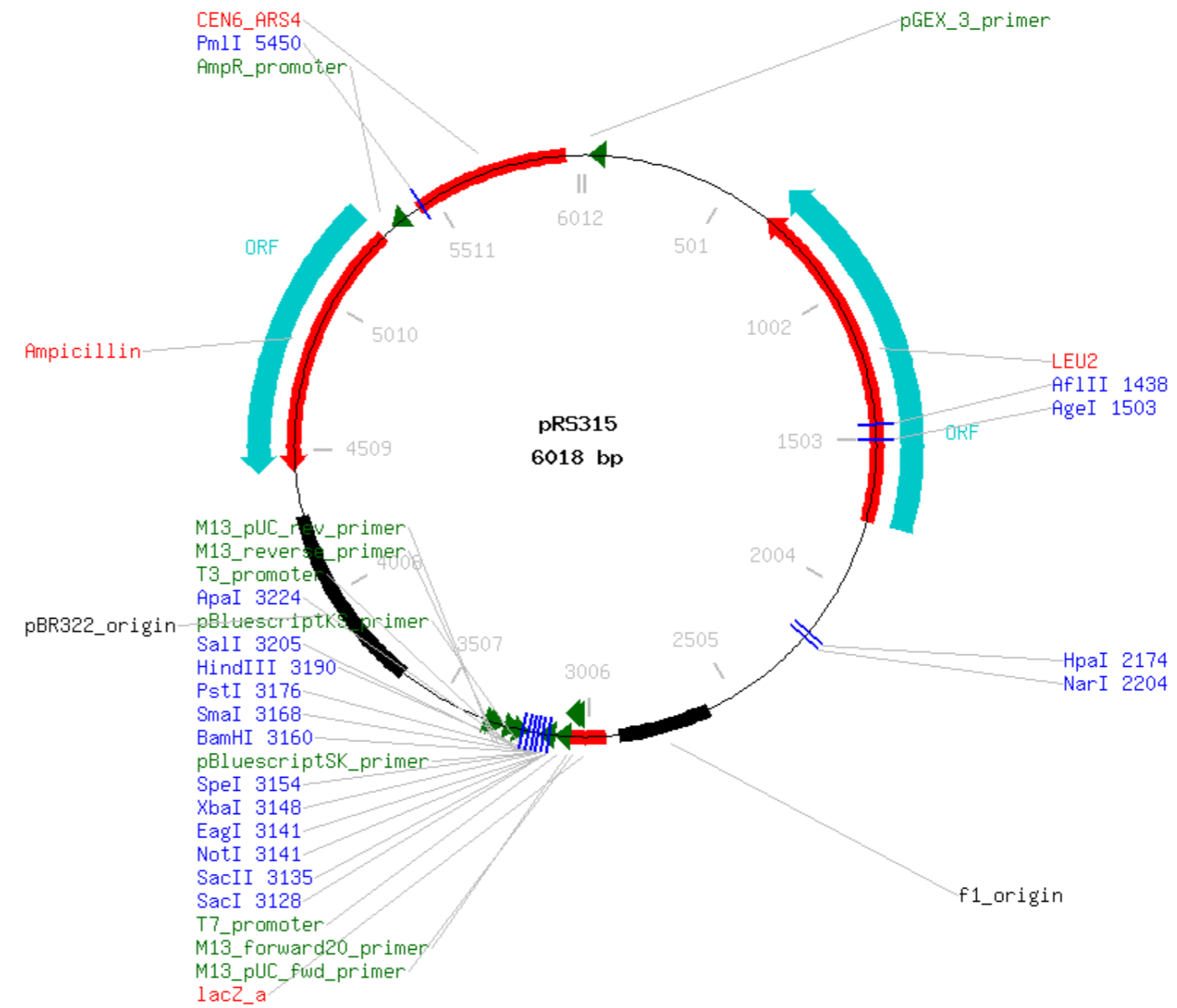
Inserts

Reporter gene

Promoter, splice, PolyA

Comments - low copy number yeast episomal vector
 - Note that this version of the sequence (from Pubmed) probably contains an error that suggests erroneously that there is a second XhoI site at 2409 (the original map does not show any XhoI site there)

Reference Sikorski and Hieter (1989) Genetics 122, 19-27.



Construct number 724

Date entered 9.8.96

Constructed by Sikorski and Hieter

Date constructed

PLASMID NAME

pRS316

bacterial marker Amp	parent vector
yeast marker URA3	bacterial plasmid Bluescript
eucaryotic replicon CEN/ARS	other relevant source constructs

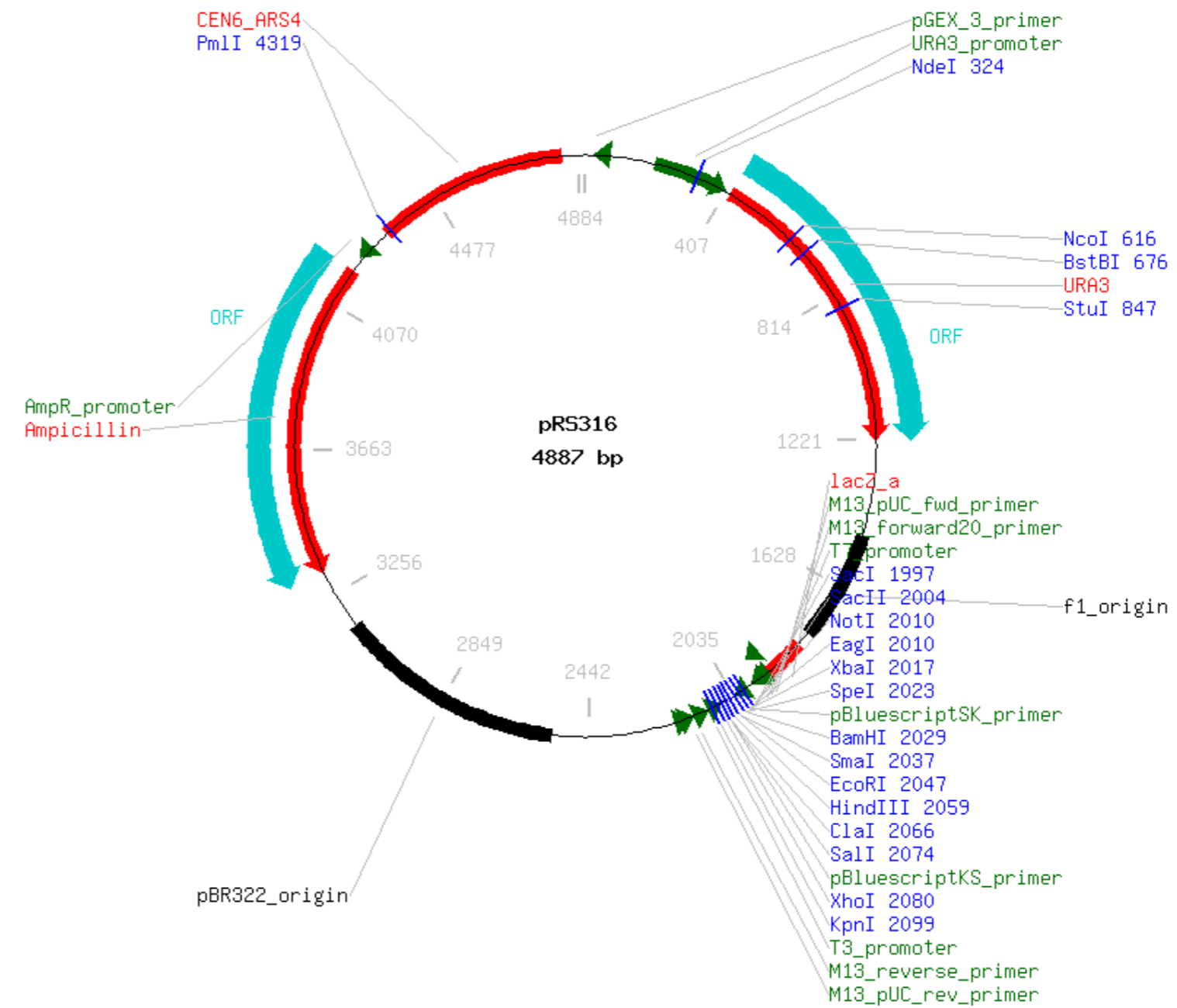
Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments low copy number yeast episomal vector

Reference Sikorski and Hieter (1989) Genetics 122, 19-27.



Construct number

Date entered 9.8.96

Constructed by Sikorski and Hieter

Date constructed

PLASMID NAME

pRS304

bacterial marker Amp

parent vector

yeast marker TRP1

bacterial plasmid

Bluescript

other relevant source constructs

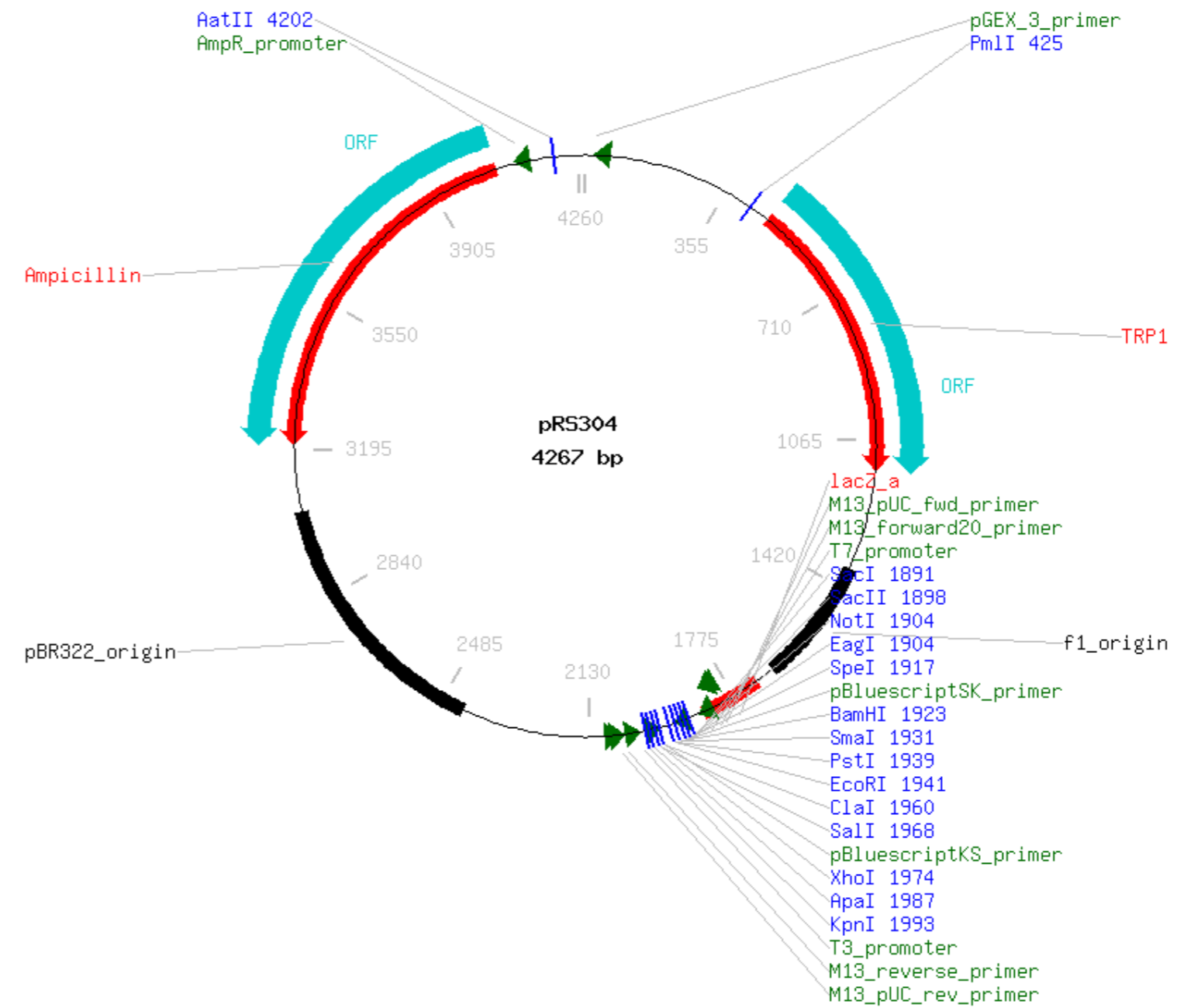
Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments yeast vector for integration

Reference Sikorski and Hieter (1989) Genetics 122, 19-27.



Construct number 726

Date entered 9.8.96

Constructed by Sikorski and Hieter

Date constructed

PLASMID NAME

pRS305

bacterial marker Amp

parent vector

bacterial plasmid

Bluescript

yeast marker LEU2

other relevant source constructs

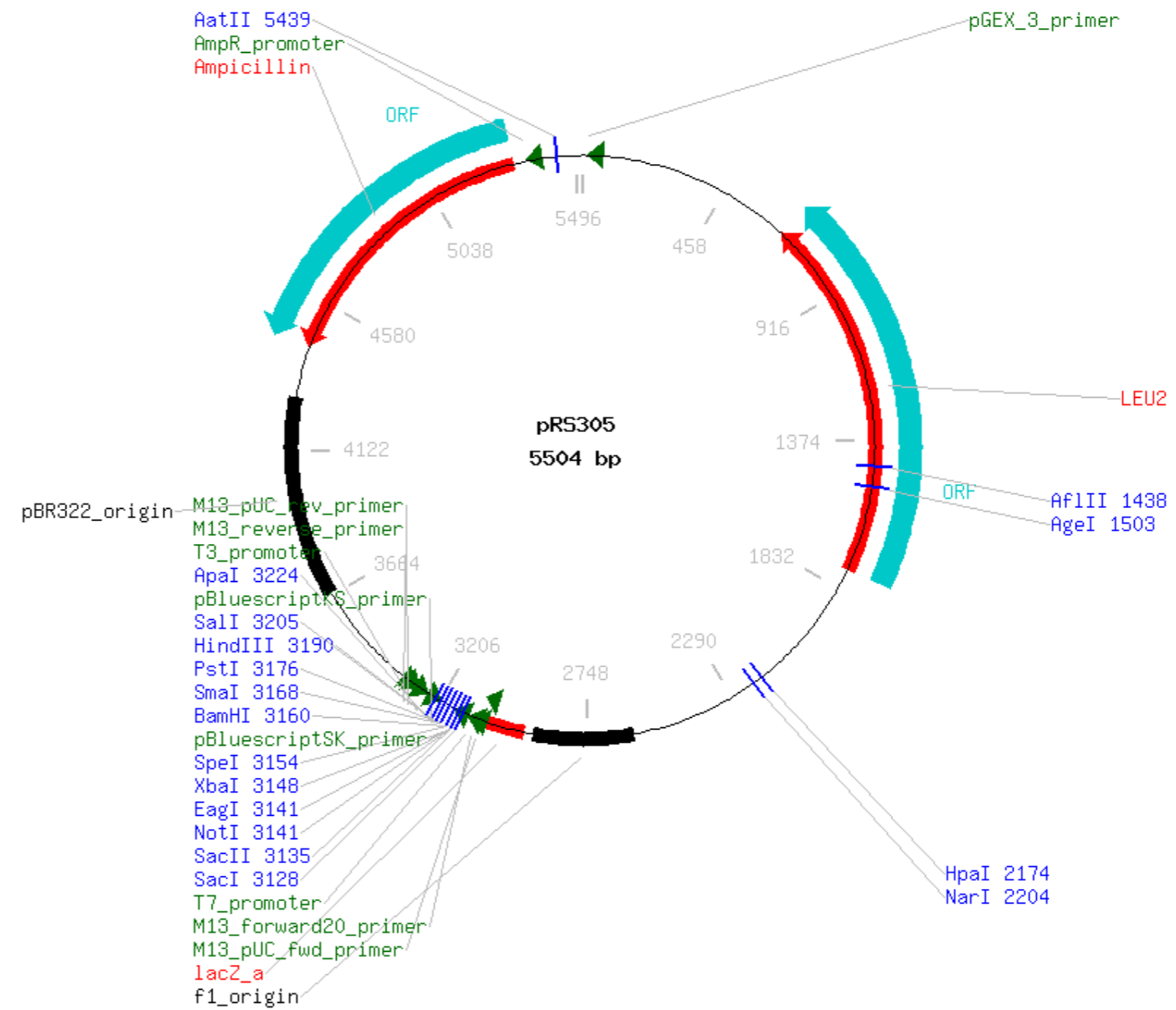
Inserts

Reporter gene

Promoter, splice, PolyA

Comments yeast vector for integration

Reference Sikorski and Hieter (1989) Genetics 122, 19-27.



Construct number 727

Date entered 9.8.96

Constructed by Sikorski and Hieter

Date constructed

PLASMID NAME

pRS306

bacterial marker Amp	parent vector
yeast marker URA3	bacterial plasmid Bluescript
	other relevant source constructs

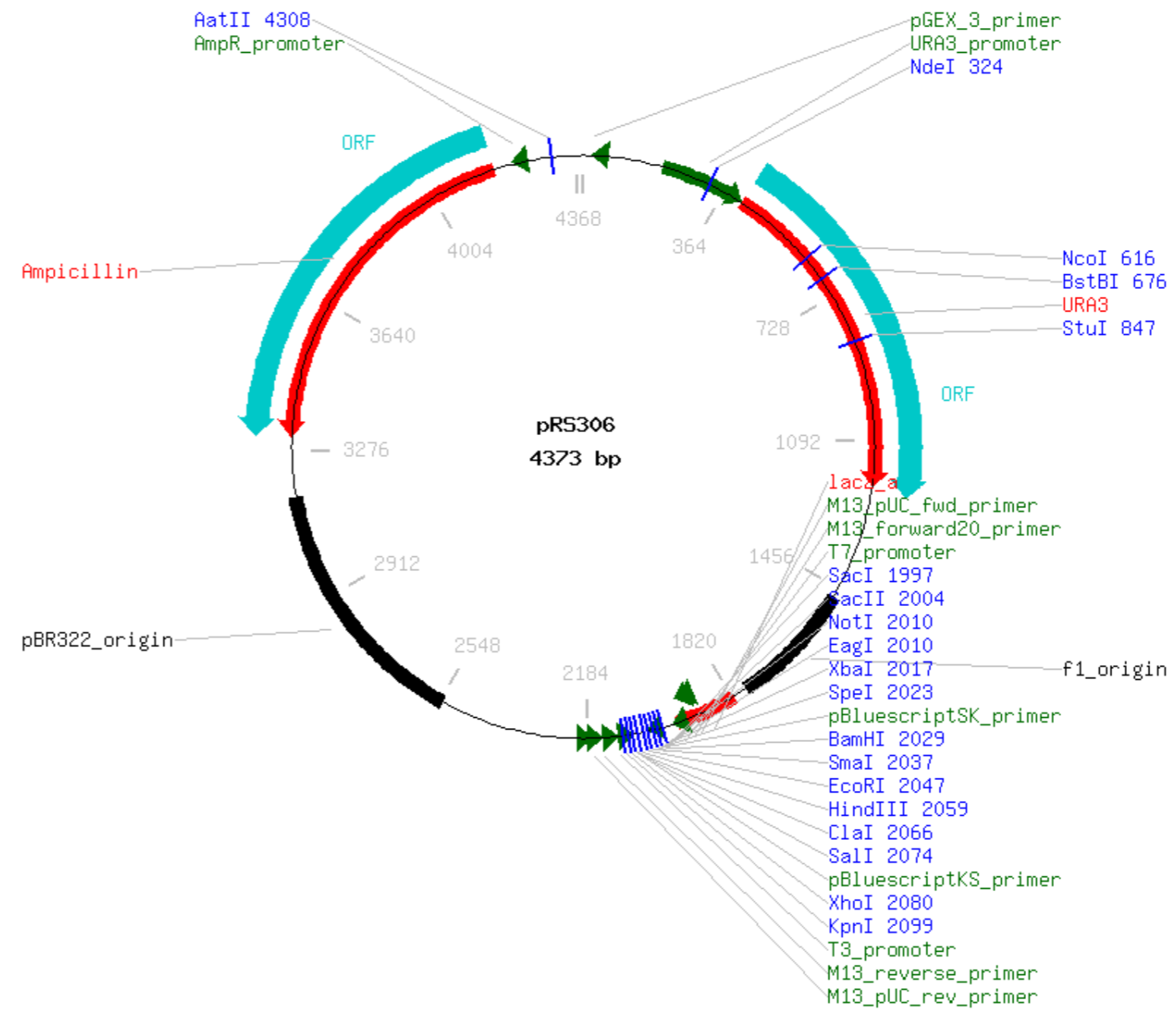
Inserts

Reporter gene

Promoter, splice, PolyA

Comments yeast vector for integration

Reference Sikorski and Hieter (1989) Genetics 122, 19-27.



Construct number

728

Date entered

12.8.96

Constructed by

E. Dubois lab

Date constructed

PLASMID NAME

pIL30

alternative name

FG(TyA)::lacZ-URA3

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

pIL5

bacterial plasmid

pBR322?

other relevant source constructs

Inserts

Ty1 insertion into TDH3 5' sequence driving β -galactosidase.

Reporter gene

lacZ

Promoter,
splice,
PolyA

Comments

Ty1 contains a STE12 and a TEC1 binding site which respond to nitrogen starvation in haploids and diploids but not to pheromone.

Reference

- Laloux et al. (1994) NAR 22, 999-1005
- see also: Möscher et al. (1996) PNAS 93, 5352-5356

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.8.96

Constructed by toufik

Date constructed 1996

PLASMID NAME

p2HG α

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

other relevant source constructs

pG1 α

Inserts alpha fragment from LAC-Z

Reporter gene

Promoter,
splice,
PolyA GPD

Comments This construct doesn't contain stop codon !!!

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.8.96

Constructed by toufik

Date constructed 1996

PLASMID NAME

pYes Sti1DN

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYes2

bacterial plasmid

other relevant source constructs

Inserts 535-589 AA obtained by PCR. This construction was used like a Dominant negative protein.

Reporter gene

Promoter, GAL
splice,
PolyA

Comments It doesn't work: no phenotype.
There is no evidence about the protein expression.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.8.96

Constructed by toufik

Date constructed 1996

PLASMID NAME

pTCA Hsp82 VP16

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

other relevant source constructs
pHCA.GAL4-Hsp82.VP16

Inserts Hsp82 + VP16 activation domain

Reporter gene

Promoter, ADH
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.8.96

Constructed by toufik

Date constructed 1996

PLASMID NAME

pTCA Hsp82 GSTVP16

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

other relevant source constructs

pTCA/Hsp82-VP16

Inserts

Reporter gene

Promoter, ADH
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.8.96

Constructed by toufik

Date constructed 1996

PLASMID NAME

pTCA Hsp82 Δ N250 VP16

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

other relevant source constructs

pHCA/Hsp82wt pTCA/Hsp82-VP16

Inserts this protein have a N-terminus deletion of Hsp82 (275-709).

Reporter gene

Promoter, ADH
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.8.96

Constructed by toufik

Date constructed 1996

PLASMID NAME

pTCA Hsp82 ΔN 350 VP16

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pTCA

bacterial plasmid

other relevant source constructs

pTCA/ Hsp82VP16 pHCA/GAL4(1-76)
Hsp82.VP16

Inserts this protein have a N-terminus deletion of Hsp82(350-709)

Reporter gene

Promoter, ADH
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.8.96

Constructed by toufik

Date constructed 1996

PLASMID NAME

pG1/ER α

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

puC

other relevant source constructs

pG1 α

Inserts V 400 ER HBD (282-576) fused to alpha peptide (aa:1-85) of the β -galactosidase

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference Abbas-Terki T. and Picard D. (1999), Eur J. Biochem. 266, 517-523

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.8.96

Constructed by toufik

Date constructed 1996

PLASMID NAME

pG1/ER Ω

bacterial marker

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

other relevant source constructs

pGER106.C/ pSCTZ Ω

Inserts G400 ER

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.8.96

Constructed by toufik

Date constructed 1996

PLASMID NAME

p2LGf/ Ω

bacterial marker

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

p2HG

Inserts

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.8.96

Constructed by toufik

Date constructed 1996

PLASMID NAME

p2HG/ER(G)

bacterial marker

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

pG/ER(G)

Inserts ER(G) insert.

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.8.96

Constructed by toufik

Date constructed 1996

PLASMID NAME

p2G/Hsp82

bacterial marker

yeast marker

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

p2G G313N

Inserts

Reporter gene

Promoter, GPD
splice,
PolyA

Comments

Reference Louvion et al. (1998). Hsp90 is required for pheromone signaling in yeast. Mol. Biol. Cell 8, 3071-3083

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.8.96

Constructed by toufik

Date constructed 1996

PLASMID NAME

p2LG/Lac12

bacterial marker

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

#139

Inserts first ORF of Lac12 obtained by PCR

Reporter gene

Promoter,
splice,
PolyA GPD

Comments doesn't work in Lactose assay.
no evidence about ths protein expression.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.8.96

Constructed by toufik

Date constructed 1996

PLASMID NAME

pTCA Hsp82 ΔN350 GST Vp16

bacterial marker

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

other relevant source constructs

pTCA 82 GST VP16/ ΔN 350

Inserts

Reporter gene

Promoter, ADH
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.8.96

Constructed by toufik

Date constructed 1996

PLASMID NAME

p2HG/rGR

bacterial marker

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

pG N 795

Inserts

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 21.8.96

Constructed by Patrick Keller

Date constructed 8/96

PLASMID NAME

VA/Z.cPR

bacterial marker Amp

parent vector

Z.HE0

bacterial plasmid

pSP64

other relevant source constructs

pUR290, p2HG/cPR

Inserts β -galactosidase fused to full-length chicken progesterone receptor (cPR)

Reporter gene

Promoter,
splice,
PolyA

- SV40 enhancer, human α 1-globin promoter
- rabbit β -globin IVS2.
- rabbit β -globin polyA site.

Comments

Reference for Z.HE0: Picard et al. (1990) Cell Reg. 1, 291-299.

DIDIER PICARD LAB, University of Geneva

Construct number

744

Date entered

21.8.96

Constructed by

Patrick Keller

Date constructed

8/96

PLASMID NAME

VA/Z.C447S

bacterial marker Amp

parent vector

Z.HE0

bacterial plasmid

pSP64

other relevant source constructs

Z.540C, pG/ER(G), pCMVERC447S

Inserts

β -galactosidase fused to full-length human estrogen receptor (hER) with C447S mutation.

Reporter gene

Promoter, - SV40 enhancer, human α 1-globin promoter
splice, - rabbit β -globin IVS2.
PolyA - rabbit β -globin polyA site.

Comments

Reference for Z.HE0: Picard et al. (1990) Cell Reg. 1, 291-299.

DIDIER PICARD LAB, University of Geneva

Construct number

745

Date entered

21.8.96

Constructed by

Patrick Keller

Date constructed

8/96

PLASMID NAME

p2U/S65T.HSP82

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

BLUESCRIPT

other relevant source constructs

pNEF/F65.C447S, pHCA/GAL4(1-93).HSP82

Inserts green fluorescent protein (GFP) with S65T mutation fused to yeast HSP82.

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 21.8.96

Constructed by Patrick Keller

Date constructed 8/96

PLASMID NAME

pG/S65T.ER

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG-1

bacterial plasmid

pUC

other relevant source constructs

pNEF/F65.C447S, pG/F.ER

Inserts green fluorescent protein (GFP) with S65T mutation fused to hormone binding domain of human estrogen receptor (hER) (AA 282-595).

Reporter gene

Promoter,
splice,
PolyA GPD

Comments ER HBD contains Val400 mutation.

Reference for pG-1: Schena M. et al (1991) Methods in Enzymology 194:389-398.

Construct number

747

Date entered

26.8.96

Constructed by

STRATAGENE

Date constructed

PLASMID NAME

BLUESCRIPT M13+

alternative name

BS(+), pBluescript SK+

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments - it is **not** identical to pBS(+)
- contains M13 origin of replication in (+) orientation (identical to BS(-) except for that).
- sequences in detail completed by Tai based on sequencing data and vector original instruction.

Reference

Construct number

748

Date entered

26.8.96

Constructed by

STRATAGENE

Date constructed

PLASMID NAME

BLUESCRIPT M13-

alternative name

BS(-)

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments - it is **not** identical to pBS(-)
- contains M13 origin of replication in (-) orientation (identical to BS(+) except for that).

Reference

Construct number

749

Date entered

6.9.96

Constructed by

Maria Catelli lab

Date constructed

6.9.1996

PLASMID NAME

pTGpcHsp90

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pRS314

bacterial plasmid

other relevant source constructs

Inserts chicken Hsp90 α wt

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

751

Date entered

23.9.96

Constructed by

Katja Straesser

Date constructed

9/96

PLASMID NAME

p2HAXC

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HA/GAL4(848)

bacterial plasmid

BLUESCRIPT

other relevant source constructs

p2LAXC

Inserts full-length LexA fused to full-length yeast Cyp40

Reporter gene

Promoter,
splice,
PolyA ADH1

Comments this is a bait construct for 2-hybrid screens

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 24.9.96

Constructed by toufik

Date constructed

PLASMID NAME

psp73-GST2

bacterial marker Amp

parent vector

psp73

bacterial plasmid

psp73

other relevant source constructs

pGEX-2 and pHCA/GST-Hsp82

Inserts GST protein

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

753

Date entered

24.9.96

Constructed by

Toufik

Date constructed

PLASMID NAME

pYes/GST-STE5

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYes

bacterial plasmid

other relevant source constructs

psp73-GST

Inserts

Reporter gene

Promoter,
splice,
PolyA

GAL

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

757

Date entered

26.9.96

Constructed by

Patrick Keller

Date constructed

9/96

PLASMID NAME

pG/ER.Y66H

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG/ER.F

bacterial plasmid

pUC

other relevant source constructs

pNEF/FB, pG/GFP

Inserts green fluorescent protein (GFP) with Y66H mutation fused to hormone binding domain of human estrogen receptor (hER) (AA 282-576).

Reporter gene

Promoter,
splice,
PolyA GPD

Comments ER HBD contains Val400 mutation.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

758

Date entered

26.9.96

Constructed by

Patrick Keller

Date constructed

9/96

PLASMID NAME

p2HG/fluHSP82.S65T

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG/HSP82

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pRSETB.GFP.S65T, pTCA/HSP82.VP16

Inserts

Yeast HSP82 fused to green fluorescent protein (GFP) with S65T mutation.

Reporter gene

Promoter,
splice,
PolyA GPD (constitutive)

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 26.9.96

Constructed by Patrick Keller

Date constructed 9/96

PLASMID NAME

p2HG/HSP82.Y66H

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG/HSP82

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pRSETB.GFP.S65T, pNEF/FB, pTCA/HSP82.
VP16

Inserts Yeast HSP82 fused to green fluorescent protein (GFP) with Y66H mutation.

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

Construct number

760

Date entered

2.10.96

Constructed by

Biolabs

Date constructed

PLASMID NAME

pACYC177

bacterial marker

Amp+Kan

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

low copy-number E. coli cloning vector. Origin of replication from plasmid p15A, i.e. it can coexist with ColE1 derived plasmids such as pBR322 or pUC18.

Reference

Construct number

761

Date entered

11.10.96

Constructed by

E. Dubois

Date constructed

PLASMID NAME

pIL30-HIS3

alternative name

FG(TyA)::lacZ-HIS3

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

pBR322?

other relevant source constructs

Inserts

Ty1 insertion into TDH3 5' sequence driving β -galactosidase.

Reporter gene

lacZ

Promoter,
splice,
PolyA

Comments

Ty1 contains a STE12 and a TEC1 binding site which respond to nitrogen starvation in haploids and diploids but not to pheromone.

obtained via G. Fink lab.

Reference

URA3 version is described in Laloux et al. (1994) NAR 22, 999-1005, see also: Mösch et al. (1996) PNAS 93, 5352-5356

Construct number

762

Date entered

18.10.96

Constructed by

Tony Wright

Date constructed

PLASMID NAME

pLGZ-1LEXA

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene lacZ

Promoter,
splice,
PolyA CYC5' Δ + LexA OP

Comments

Reference

Construct number

763

Date entered

18.10.96

Constructed by

Tony Wright

Date constructed

PLASMID NAME

pLGZ-1LEXA

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene lacZ

Promoter,
splice,
PolyA CYC5' Δ + LexA OP

Comments

Reference

Construct number

764

Date entered

21.10.96

Constructed by

F. Kern lab

Date constructed

PLASMID NAME

pCHCerbB2

bacterial marker Amp

vertebrate marker Hygromycin B

parent vector

pCHC6

bacterial plasmid

other relevant source constructs

Inserts

Xbal fragment of c-erb-2 (erbB2)

Reporter gene

Promoter, CMV
splice,
PolyA SV40

Breast Cancer Research and Treatment, 34, 97 (1995)

Comments

Reference

Construct number 765

Date entered 28.10.96

Constructed by Sikorski and Hieter

Date constructed

PLASMID NAME

pRS413

<u>bacterial marker</u> Amp	<u>parent vector</u>
<u>yeast marker</u> HIS3	<u>bacterial plasmid</u> Bluescript II
<u>eucaryotic replicon</u> CEN/ARS	<u>other relevant source constructs</u>

Inserts

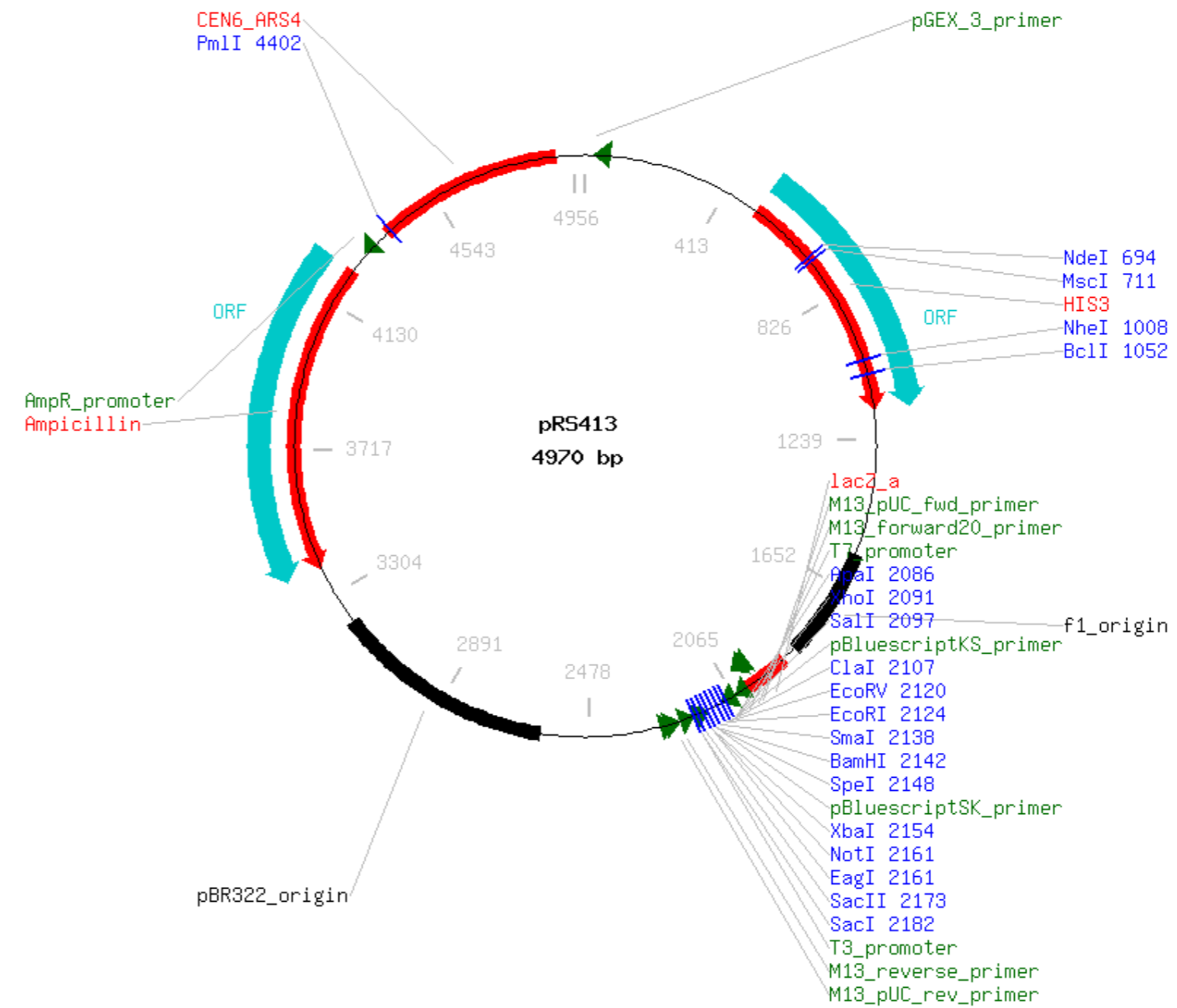
Reporter gene

Promoter, splice, PolyA

Comments

- low copy number yeast episomal vector
- compared to the pRS310 series polylinker is inverted and flanked by BssHII sites; otherwise vector is almost identical.

Reference Sikorski and Hieter (1989) Genetics 122, 19-27.



Construct number 766

Date entered 28.10.96

Constructed by Sikorski and Hieter

Date constructed

PLASMID NAME

pRS414

<u>bacterial marker</u> Amp	<u>parent vector</u>
<u>yeast marker</u> TRP1	<u>bacterial plasmid</u> Bluescript II
<u>eucaryotic replicon</u> CEN/ARS	<u>other relevant source constructs</u>

Inserts

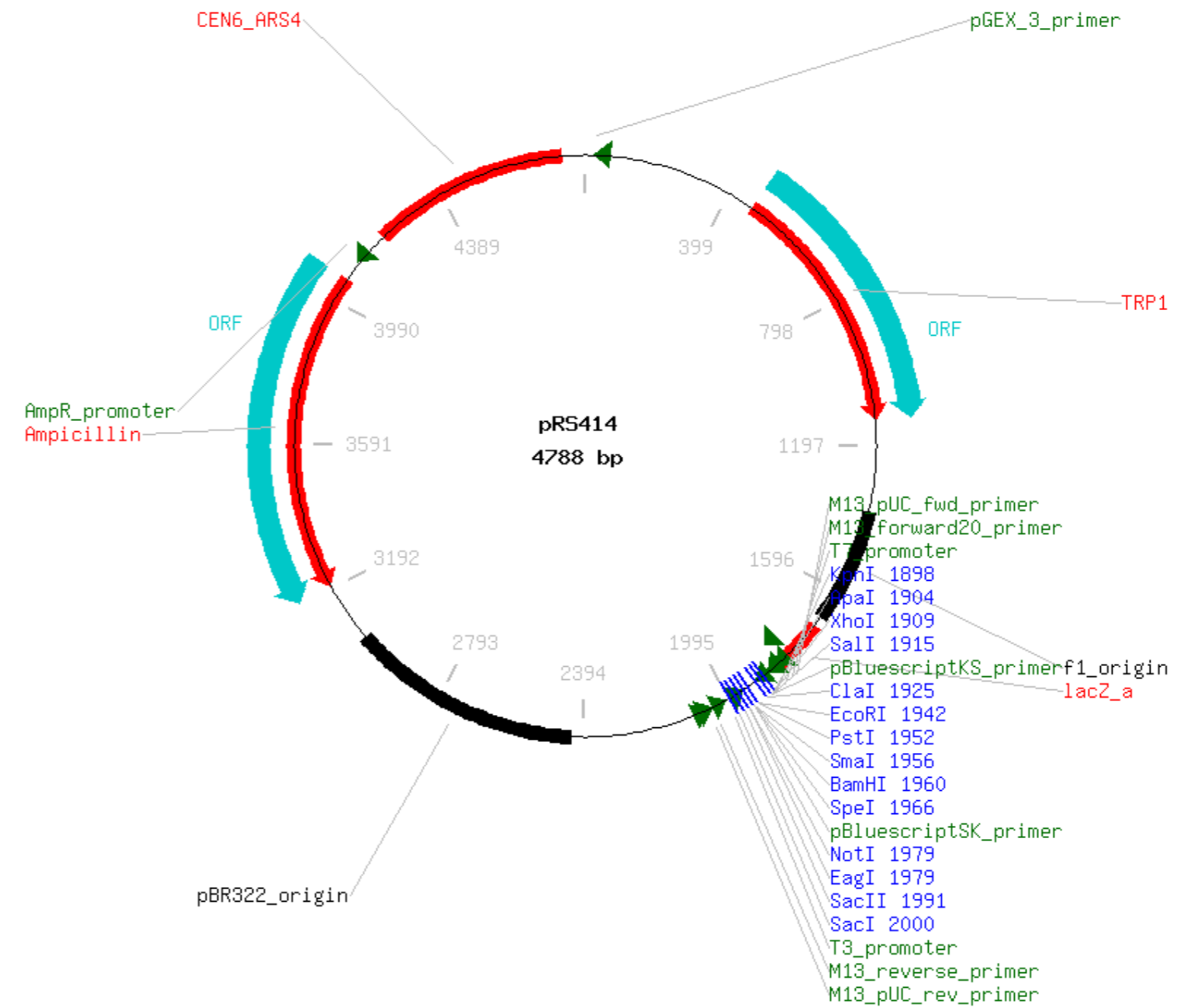
Reporter gene

Promoter, splice, PolyA

Comments

- low copy number yeast episomal vector
- compared to the pRS310 series polylinker is inverted and flanked by BssHII sites; otherwise vector is almost identical.

Reference Sikorski and Hieter (1989) Genetics 122, 19-27.



Construct number 767

Date entered 28.10.96

Constructed by Sikorski and Hieter

Date constructed

PLASMID NAME

pRS415

bacterial marker Amp	parent vector
yeast marker LEU2	bacterial plasmid Bluescript II
eucaryotic replicon CEN/ARS	other relevant source constructs

Inserts

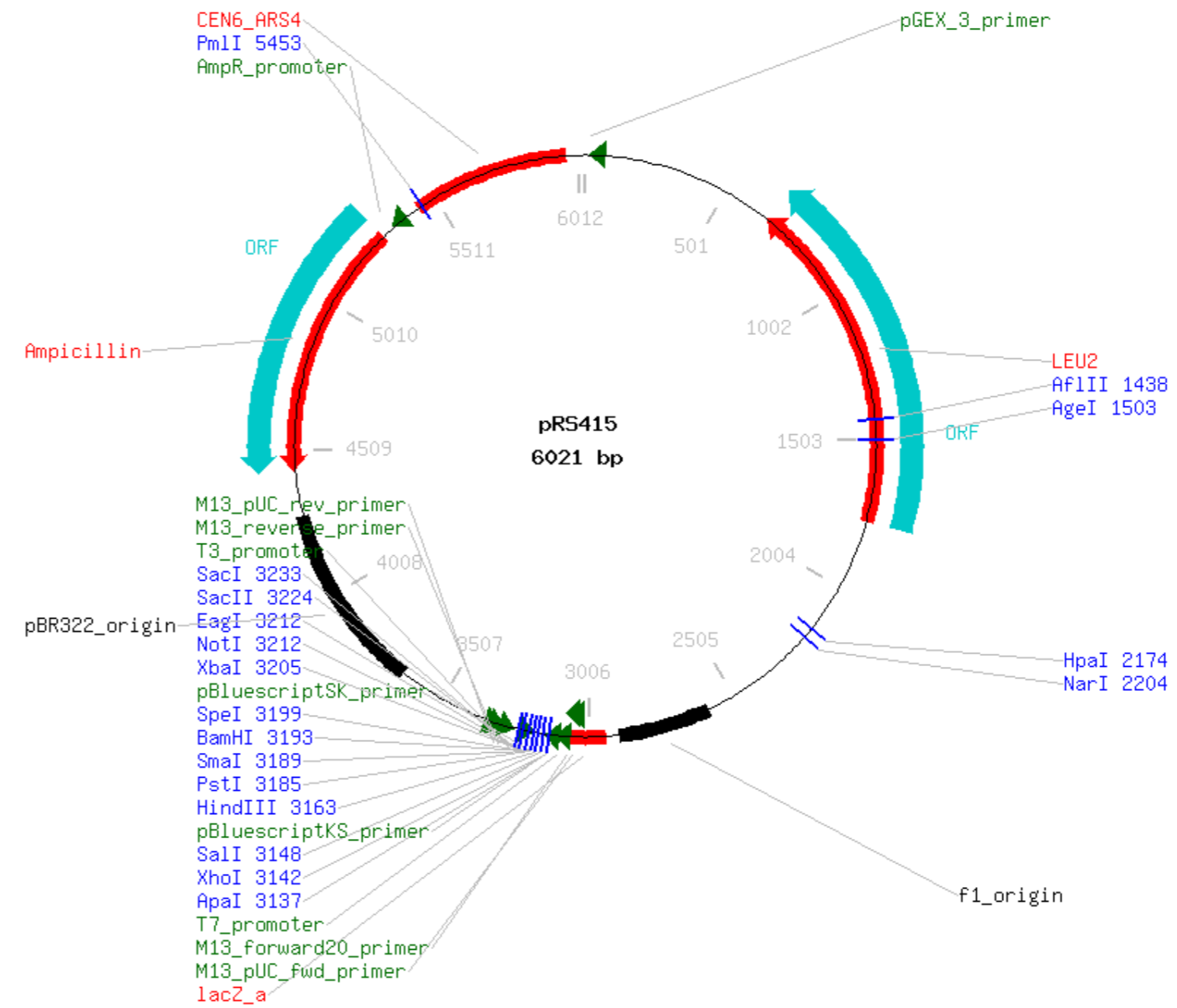
Reporter gene

Promoter, splice, PolyA

Comments

- low copy number yeast episomal vector
- compared to the pRS310 series polylinker is inverted and flanked by BssHII sites; otherwise vector is almost identical.

Reference Sikorski and Hieter (1989) Genetics 122, 19-27.



Construct number 768

Date entered 28.10.96

Constructed by Sikorski and Hieter

Date constructed

PLASMID NAME

pRS416

bacterial marker Amp	parent vector
yeast marker URA3	bacterial plasmid Bluescript II
eucaryotic replicon CEN/ARS	other relevant source constructs

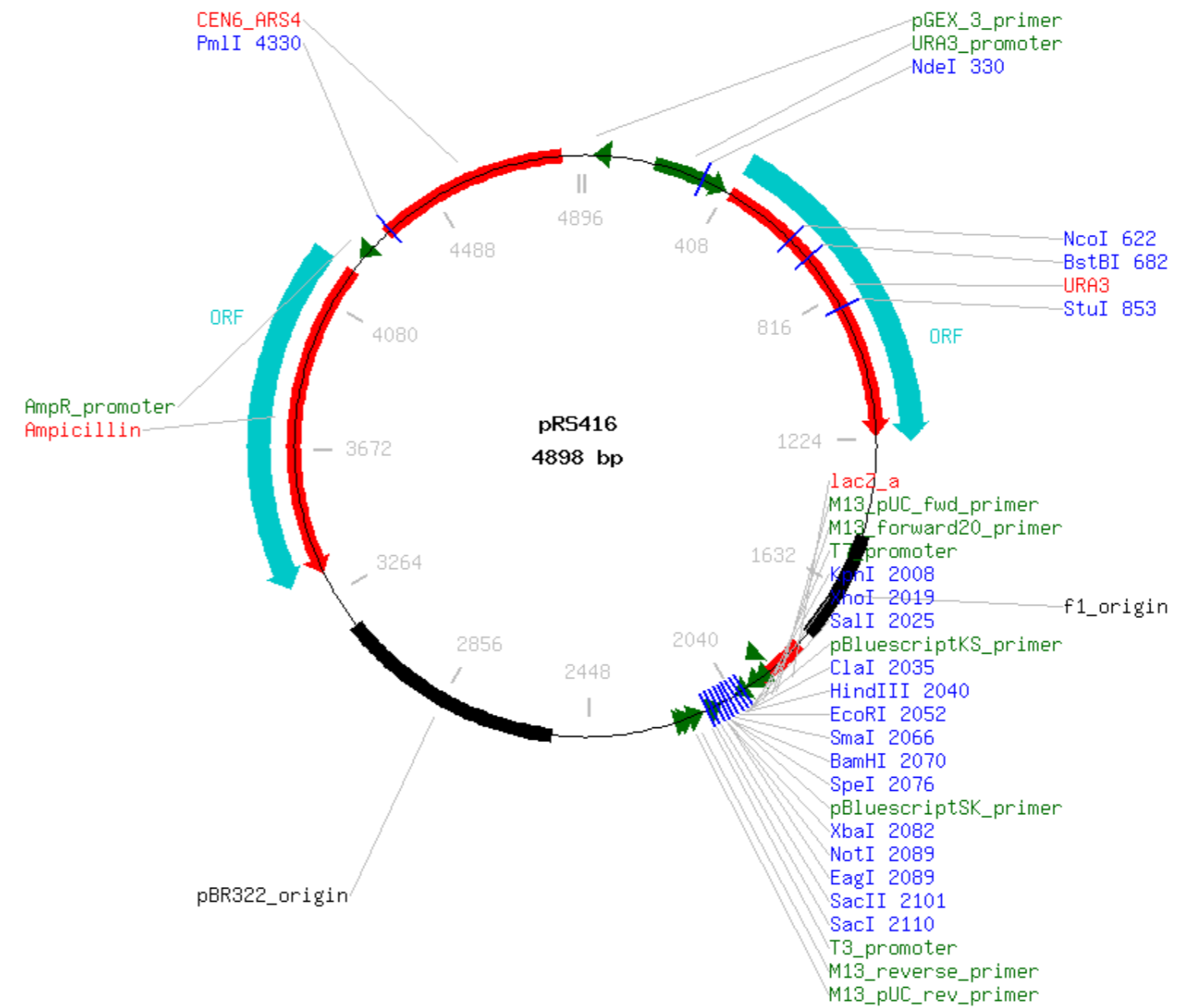
Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments - low copy number yeast episomal vector
- compared to the pRS310 series polylinker is inverted and flanked by BssHII sites; otherwise vector is almost identical.

Reference Sikorski and Hieter (1989) Genetics 122, 19-27.



Construct number 769

Date entered 28.10.96

Constructed by Hieter lab

Date constructed

PLASMID NAME

pRS423

bacterial marker Amp	parent vector
yeast marker HIS3	bacterial plasmid Bluescript II SK+
eucaryotic replicon 2 μ circle	other relevant source constructs

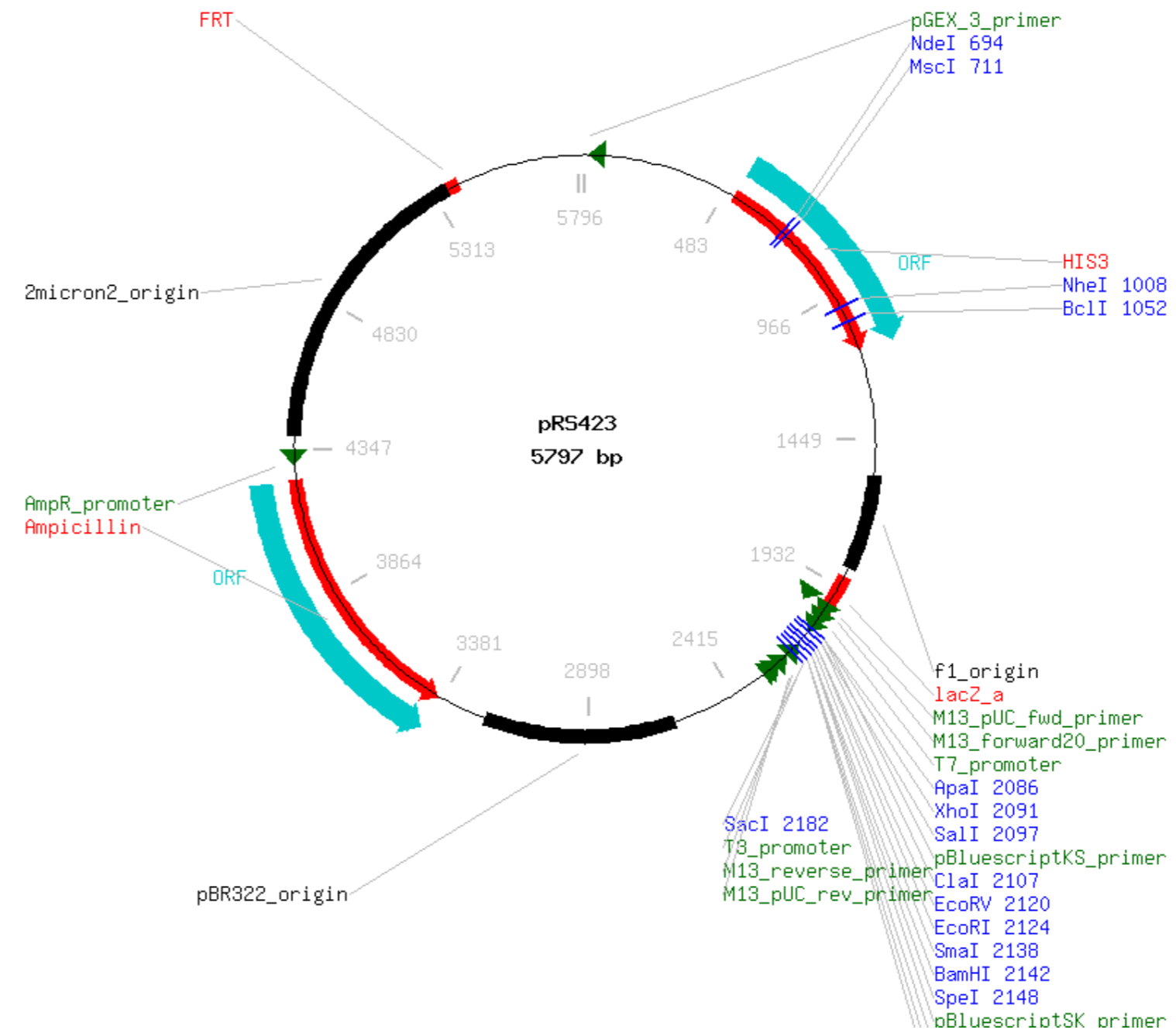
Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments - high copy number yeast episomal vector
- compared to the pRS310 series polylinker is inversed and flanked by BssHII sites

Reference Christianson et al. (1992) Gene 110, 119-122



Construct number 770

Date entered 28.10.96

Constructed by Hieter lab

Date constructed

PLASMID NAME

pRS424

bacterial marker Amp	parent vector
yeast marker TRP1	bacterial plasmid Bluescript II SK+
eucaryotic replicon 2 μ circle	other relevant source constructs

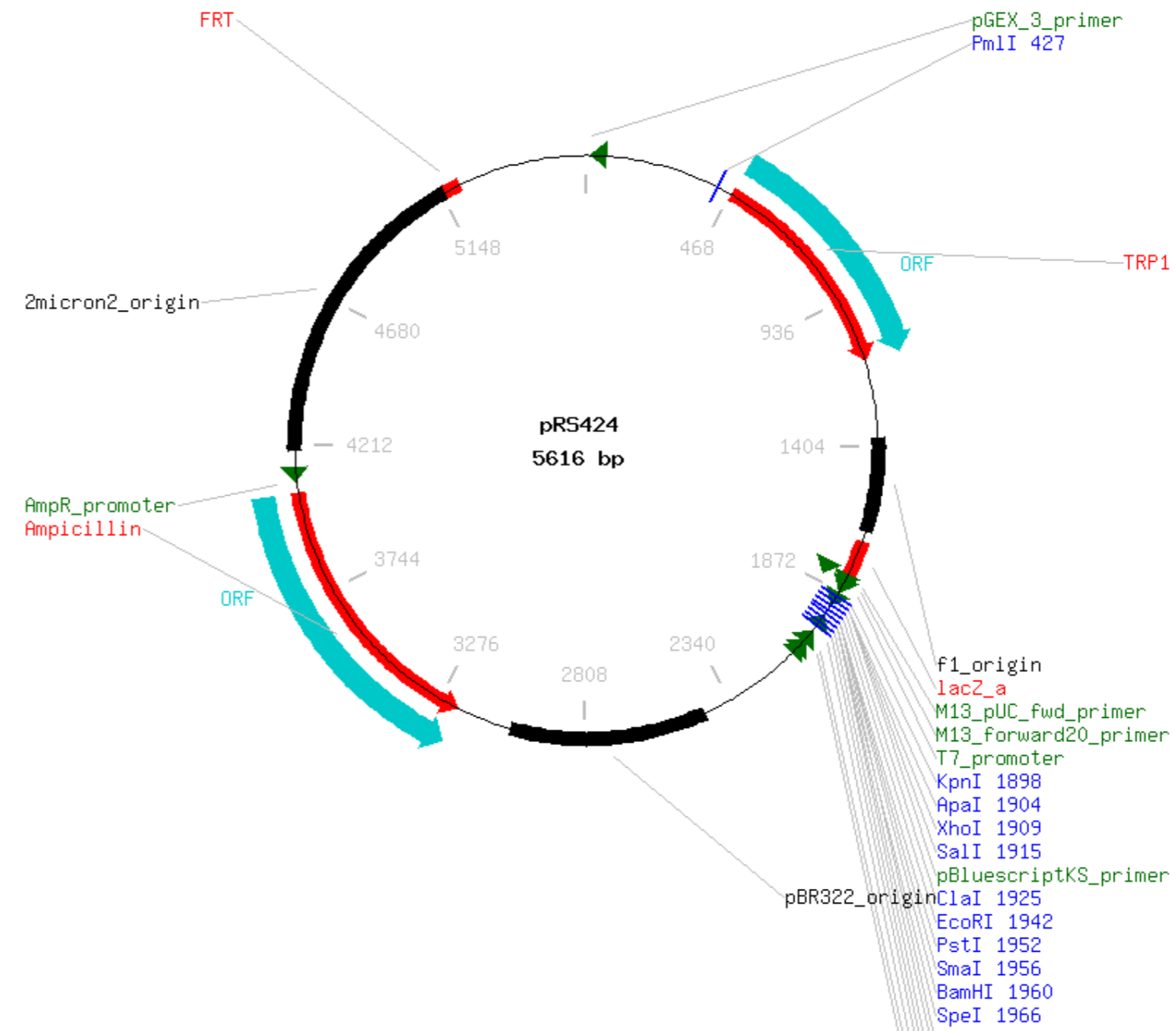
Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments - high copy number yeast episomal vector
- compared to the pRS310 series polylinker is inversed and flanked by BssHII sites

Reference Christianson et al. (1992) Gene 110, 119-122



Construct number
Constructed by Hieter lab

Date entered 28.10.96
Date constructed

PLASMID NAME

pRS425

bacterial marker Amp	parent vector
yeast marker LEU2	bacterial plasmid Bluescript II SK+
eucaryotic replicon 2 μ circle	other relevant source constructs

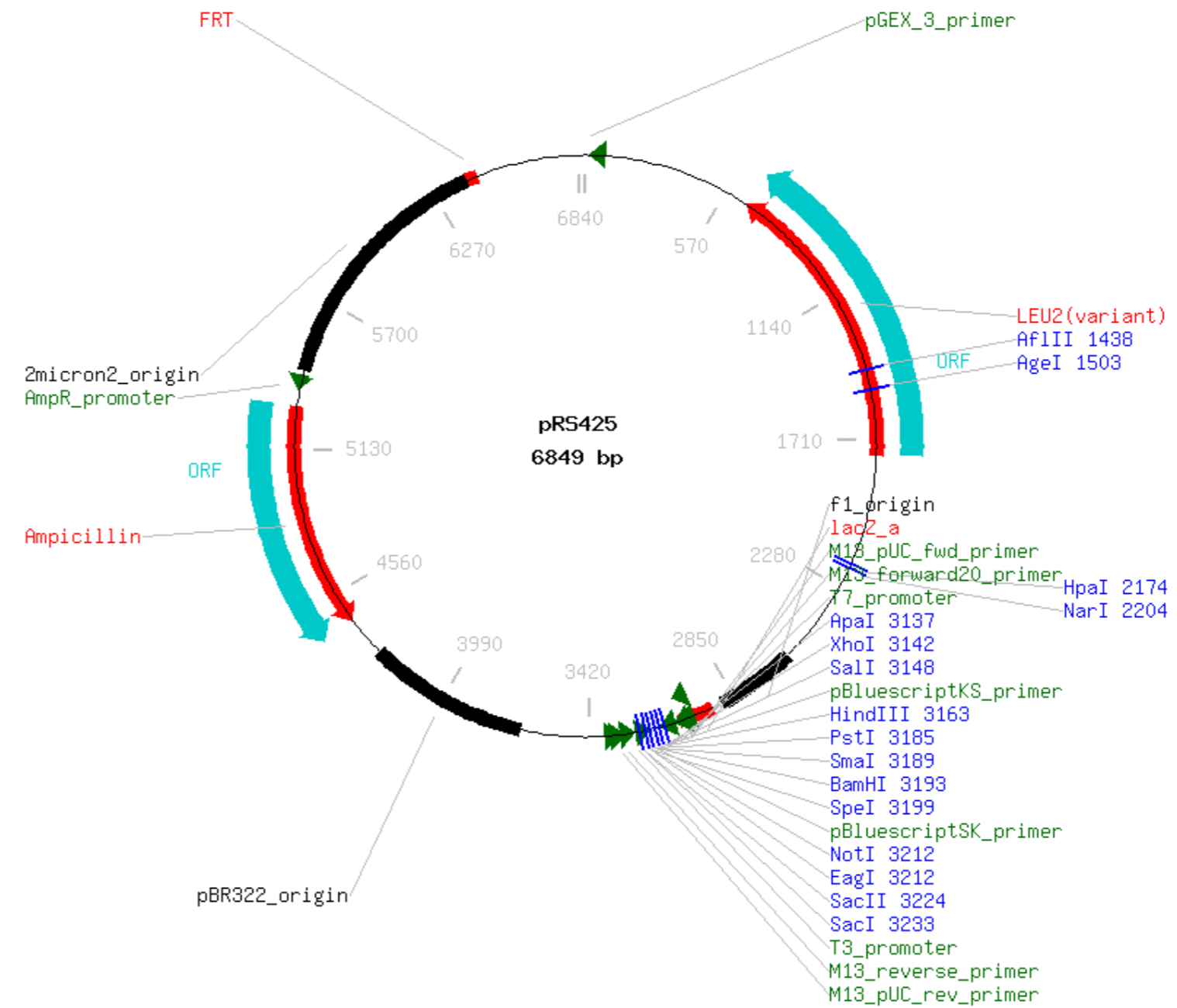
Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments - high copy number yeast episomal vector
- compared to the pRS310 series polylinker is inversed and flanked by BssHII sites

Reference Christianson et al. (1992) Gene 110, 119-122



Construct number

Date entered 28.10.96

Constructed by Hieter lab

Date constructed

PLASMID NAME

pRS426

bacterial marker Amp	parent vector
yeast marker URA3	bacterial plasmid Bluescript II SK+
eucaryotic replicon 2 μ circle	other relevant source constructs

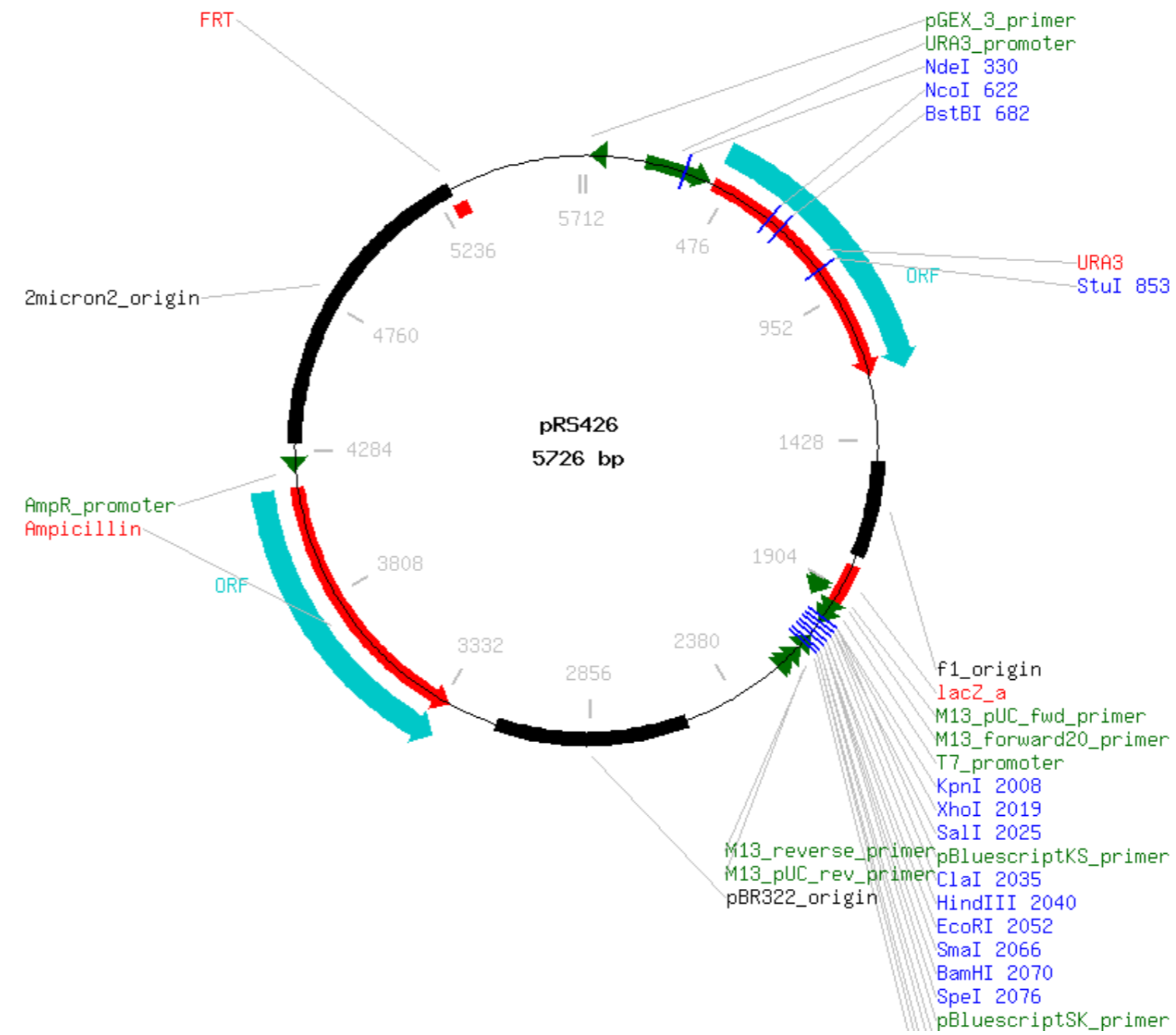
Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments - high copy number yeast episomal vector
- compared to the pRS310 series polylinker is inversed and flanked by BssHII sites

Reference Christianson et al. (1992) Gene 110, 119-122



Construct number

773

Date entered

4.11.96

Constructed by

O.Donzé

Date constructed

PLASMID NAME

p2U/GSTGcn2

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U/GSThsp82

bacterial plasmid

other relevant source constructs

Inserts

GCN2 (eIF-2 α kinase).
BamH1-Xho1 fragment from PCR (BamH1 is a new restriction site 8 nucleotides upstream of the AUG of GCN2) and Xho1-Nru1 fragment from pC102 (Ycp50 containing GCN2) ligated into BglI-NaeI of PGST Hsp82.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Donzé and Picard, *Mol Cell Biol.* 1999 Dec;19(12):8422-8432.

Construct number

774

Date entered

4.11.96

Constructed by

O.Donzé

Date constructed

sept. 96

PLASMID NAME

p2U/GCN2GST

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U/hsp82GST

bacterial plasmid

other relevant source constructs

Inserts BamH1-Kpn1 fragment of c-102 (GCN2:coding sequence 1-1017)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

775

Date entered

4.11.96

Constructed by

Olivier Donzé

Date constructed

juillet 96

PLASMID NAME

c-102 GCN2::TRP1

bacterial marker Amp

yeast marker TRP1/URA3

eucaryotic replicon CEN/ARS

parent vector

Ycp50

bacterial plasmid

other relevant source constructs

Inserts

GCN2 lacking fragment SnaBI-PvuII plus fragment EcoRI of pTT8 (containing TRP1 marker)

Reporter gene

Promoter,
splice,
PolyA

Comments

plasmid constructed for GCN2 knock out experiment

Reference

Donzé and Picard, *Mol Cell Biol.* 1999 Dec;19(12):8422-8432.

Construct number

776

Date entered

4.11.96

Constructed by

ELi in Chambon lab

Date constructed

PLASMID NAME

HEO

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

HEGO in pSG1

eucaryotic replicon SV40 ori

Inserts full-length human estrogen receptor (hER) cDNA with Val400

Reporter gene

Promoter, SV40 early promoter
splice, T7 RNA polymerase promoter
PolyA rabbit β -globin IVS2
SV40 poly A site

Comments

Reference

Construct number

777

Date entered

14.11.96

Constructed by

L. Guarente

Date constructed

PLASMID NAME

pLGSD5

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

YEP24,

bacterial plasmid

other relevant source constructs

Inserts

CYC1 leader fused to lacZ under GAL promoter (segment between GAL1 and GAL10).

Reporter gene

Promoter,
splice,
PolyA

GAL

Comments

ATGA and 3 bases are deleted so that there is no ATG for β -gal expression.

Reference

CYC1-lacZ: PNAS 78:2199
PNAS (1982) 79: 7410-7414.
Schneider and Guarente (1990) Methods in Enzymology

DIDIER PICARD LAB, University of Geneva

Construct number

779

Date entered

18.11.96

Constructed by

Pierre-André Briand

Date constructed

11/96

PLASMID NAME

F65.cPR

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pNEF/F65.C447S

bacterial plasmid

pBS and BS(+)

other relevant source constructs

p2HG/cPR

Inserts green fluorescent protein (GFP), with S65T mutation, fused to the chicken progesterone receptor (cPR)

Reporter gene

Promoter,
splice,
PolyA

- human elongation factor 1 α (EF-1 α) promoter.
- first intron from EF-1 α gene.
- SV40 poly A (in late orientation).
- plasmid contains SV40 origin (pos. 5092-128), early promoter same orientation as EF-1 α promoter.

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 25.11.96

Constructed by toufik

Date constructed 11.96

PLASMID NAME

pG1/flu- α wt

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

other relevant source constructs

pG1/ α wt

Inserts flu tag in N-terminus of α peptide

Reporter gene

Promoter,
splice,
PolyA GPD

Comments the protein was not detected by western!!

Reference

Construct number

781

Date entered

29.11.96

Constructed by

Roger Tsien

Date constructed

PLASMID NAME

P4-3

bacterial marker Amp

parent vector

pRSET B

bacterial plasmid

other relevant source constructs

Inserts

green fluorescent protein (GFP) with double point mutations Y66H and Y145F (P4-3).

Has N-terminal His6 tag and EK cleavage site

Reporter gene

Promoter, T7 promoter
splice,
PolyA

Comments - in bacterial expression vector
- "blue" GFP

Reference Current Biol. 6, 178-182 (1996)

Construct number

782

Date entered

29.11.96

Constructed by

Linder's lab

Date constructed

29.11.1996

PLASMID NAME

pFA6a-kanMX4

bacterial marker Amp

yeast marker Kanamycin

parent vector

psp72

bacterial plasmid

psp72

other relevant source constructs

Inserts

kan resistance coding sequence flanked by A.gossypii TEF promotor and terminator.

Reporter gene

Promoter,
splice,
PolyA

Comments

after transformation, grow the cell 3h in YEPD before plating in Kan plattes!
total sequenc of this plasmid is available

Reference

Wach, A et al (1994) Yeast 10:1793-1808

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.12.96

Constructed by toufik

Date constructed 10.96

PLASMID NAME

pYes/GST-STE5

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYes

bacterial plasmid

other relevant source constructs

psp73-GST2

Inserts GST-STE5 fusion

Reporter gene

Promoter,
splice,
PolyA GAL

Comments the protein is not detected by western using an antibody against GST.
But by invitro translation a protein is detected at 120Kd and It is purified by
GST chromatography!!!

Reference

Construct number

784

Date entered

15.1.97

Constructed by

Schütz lab

Date constructed

PLASMID NAME

pT2FPz+

pCRE-Z

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts lacZ gene under the control of the cAMP response element (CRE)

Reporter gene lacZ

Promoter, Thymidine kinase (TK)
splice, SV40
PolyA

Comments Plasmid used as a positive control to check cAMP responsive pathway (PKA, SKF, 8Br-cAMP)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 28.1.97

Constructed by Didier Picard

Date constructed 12/96

PLASMID NAME

Ste5 Δ C

alternative name

DP124Ls3.1

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

YEplac 195

bacterial plasmid

pUC19

other relevant source constructs

Inserts

STE5 gene with promoter from -1020 upstream of AUG to codon 800 in open reading frame. Ste5 is C-terminally truncated and lacks AA 801-917. Insert is a Sau3A partial fragment.

Reporter gene

Promoter,
splice,
PolyA *STE5* promoter

Comments this plasmid was isolated as a multicopy suppressor (from a genomic library in YEplac 195) of the human Hsp90 defect in pheromone signaling in budding yeast.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 28.1.97

Constructed by toufik

Date constructed 1.97

PLASMID NAME

p2U/GST-STE5(Hsp82)

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

other relevant source constructs

BB192 P2U/GST-Hsp82

Inserts GST-STE5 fusion protein.
Ste5 was introduced in GST-Hsp82 gene. The 3' region of Hsp82 still present in this vector, but it's not translated!

Reporter gene

Promoter,
splice,
PolyA GPD

Comments Induce cell arrest: constitutive induction of pheromone pathway!!!!
DNA yield in E.coli is very low !!!

Reference Louvion et al. (1998). Hsp90 is required for pheromone signaling in yeast.
Mol. Biol. Cell 8, 3071-3083

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 28.1.97

Constructed by toufik

Date constructed 1.97

PLASMID NAME

pYes/GST-STE5(Hsp82)

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYes

bacterial plasmid

other relevant source constructs

p2U/GST-STE5(Hsp82)

Inserts GST-STE5 fusion protein.

Reporter gene

Promoter,
splice,
PolyA GAL1

Comments

Reference

Construct number

788

Date entered

5.2.97

Constructed by

Elledge (Davis lab)

Date constructed

≤ 1992

PLASMID NAME

yeast genomic library in pYES-R

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

λYES

bacterial plasmid

pBR

other relevant source constructs

Inserts

sheared genomic DNA of yeast strain SNY243 (*mat a leu2-04 ade1 ade6 circ0*), cloned into XhoI site with linkers, average insert size is 4kb, original complexity is 50 million!!!

Reporter gene

Promoter,
splice,
PolyA

- GAL1 promoter and HIS3 terminator
- in reverse orientation: E. coli lac promoter with RBS and AUG

Comments

plasmid DNA was excised from phage with Cre in E. coli strain BNN132. Original phage stock (stored at 4°C) retains original complexity, but amplified plasmid DNA prep. of 4/97 has a complexity of about 1'240'000 colonies.

Reference

for library: Ramer et al. (1992) PNAS 89, 11589-11593
for vector λYES: Elledge et al. (1991) PNAS 88, 1731-1735

Construct number

789

Date entered

12.2.97

Constructed by

toufik

Date constructed

2.97

PLASMID NAME

pFA6a-Lac12

bacterial marker Amp

yeast marker Kan

parent vector

pFA6a-kanMX4

bacterial plasmid

psp73

other relevant source constructs

Inserts

Lac12 fragment (XmnI/RV)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

790

Date entered

17.2.97

Constructed by

Richard Iggo's lab

Date constructed

≤ 1995

PLASMID NAME

pLS210

bacterial marker Amp

yeast marker URA3

eucaryotic replicon none

parent vector

pLS208

bacterial plasmid

other relevant source constructs

Inserts minimal CYC1 promoter, linked to three copies of p53 binding sites, driving Ade2 expression

Reporter gene ADE2

Promoter, splice, PolyA CYC1 minimal promoter with p53 binding sites

Comments - plasmid is for integration in yeast, it has no replicon.
- there is a BamHI site upstream of the Ade2 coding region.

Reference Flaman et al. (1995) PNAS 92, 3963-3967

Construct number

791

Date entered

17.2.97

Constructed by

Clontech

Date constructed

PLASMID NAME

pGAD424

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

pUC

other relevant source constructs

Inserts

GAL4 transcriptional activation domain with the SV40 NLS

Reporter gene

Promoter, - ADH1 promoter
splice, - ADH1 terminator
PolyA

Comments plasmid is to make fusion proteins for the two-hybrid system

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 19.2.97

Constructed by Rainer Warth

Date constructed 1.11.95

PLASMID NAME

pKS/Cyp40

bacterial marker Amp

parent vector
pBluescript II KS +/-
bacterial plasmid
pUC19
other relevant source constructs
pET-15b/cyp40

Inserts yeast cyclophilin 40 (Cyp40)

Reporter gene

Promoter,
splice,
PolyA

Comments The orientation of the f1 origin is not known !!!
Vector was used for sequencing of the Cyp40 gene.

Reference

Construct number

793

Date entered

24.2.97

Constructed by

Oscar Aparicio

Date constructed

1/91

PLASMID NAME

pVURAH2+

bacterial marker

parent vector

pSC1

bacterial plasmid

other relevant source constructs

Inserts

In these plasmids (4-17 thru 4-22) the 1.1kb Hind3 URA3 fragment is inserted in 1 of 3 Hind3 sites on the cloned CHRv fragment in plasmid pSC1. H2 is the Hind3 site centromere distal and H4 is centromere proximal; H3 is in between +/- are the two orientations of URA3.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Renauld et al. Genes And Development 7:1133-1145 (1993)

Construct number

794

Date entered

24.2.97

Constructed by

Oscar Aparicio

Date constructed

1/91

PLASMID NAME

pVURAH3+

bacterial marker

parent vector

pSC1

bacterial plasmid

other relevant source constructs

Inserts

In these plasmids (4-17 thru 4-22) the 1.1kb Hind3 URA3 fragment is inserted in 1 of 3 Hind3 sites on the cloned CHRv fragment in plasmid pSC1. H2 is the Hind3 site centromere distal and H4 is centromere proximal; H3 is in between +/- are the two orientations of URA3.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Renauld et al. Genes And Development 7:1133-1145 (1993)

Construct number

795

Date entered

24.2.97

Constructed by

Oscar Aparicio

Date constructed

1/91

PLASMID NAME

pVURAH4+

bacterial marker

parent vector

pSC1

bacterial plasmid

other relevant source constructs

Inserts

In these plasmids (4-17 thru 4-22) the 1.1kb Hind3 URA3 fragment is inserted in 1 of 3 Hind3 sites on the cloned CHRv fragment in plasmid pSC1. H2 is the Hind3 site centromere distal and H4 is centromere proximal; H3 is in between +/- are the two orientations of URA3.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Renauld et al. Genes And Development 7:1133-1145 (1993)

Construct number

796

Date entered

25.2.97

Constructed by

Clontech

Date constructed

PLASMID NAME

pEGFP-C1

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

bacterial plasmid

pUC

other relevant source constructs

Inserts

green fluorescent protein (GFP) mutant (F64L and S65T) with red shift and enhanced fluorescence; polylinker allows fusions to C-terminus of GFP.

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments

Careful: this plasmid does *not* have the Amp resistance!!!

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

797

Date entered

27.2.97

Constructed by

Pierre-André Briand

Date constructed

1/97

PLASMID NAME

pLexA.Abl Δ 489C

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pLexA-c-abl(IV)(48-630)K-

bacterial plasmid

pUC

other relevant source constructs

Inserts

LexA fused to murine c-Abl type IV, AA 489 to 630

Reporter gene

Promoter, ADH1 promoter
splice, ADH1 terminator
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

798

Date entered

27.2.97

Constructed by

Pierre-André Briand

Date constructed

2/97

PLASMID NAME

pLexA.Abl(489-543)

alternative name

Δ543

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2μ circle

parent vector

pBTM116

bacterial plasmid

pUC

other relevant source constructs

pLexA.AblΔ489C

Inserts

LexA fused to murine c-Abl type IV, AA 489 to 543

Reporter gene

Promoter, ADH1 promoter and terminator
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

799

Date entered

27.2.97

Constructed by

Pierre-André Briand

Date constructed

3/97

PLASMID NAME

pGST.ABL(489-543)

bacterial marker Amp

parent vector

pGEX-1

bacterial plasmid

other relevant source constructs

pLexA.Abl(489-543)

Inserts

Glutathione S-transferase (GST) fused to murine c-ABL type IV amino acids 489-543.

Plasmid also carries lacIq gene.

Reporter gene

Promoter,
splice,
PolyA tac promoter

Comments

Reference - for pGEX-1: Gene 67 (1988) 31-40
- construct itself: Foray et al. (2002) MCB 22, 4020.

Construct number

800

Date entered

3.3.97

Constructed by

levitzki

Date constructed

PLASMID NAME

pGST-5RIH

bacterial marker

Amp

parent vector

pGEX-KG

bacterial plasmid

other relevant source constructs

Inserts

construct used for generating anti-STE5 antibodies
0.4Kb EcoRI-HindIII fragment of STE5

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Guan and Dixon, 1991, Anal. Bioch. 192: 262-267

Construct number

801

Date entered

3.3.97

Constructed by

levitzki

Date constructed

PLASMID NAME

pF7G5

bacterial marker Amp

yeast marker ?

parent vector

YcpIF7

bacterial plasmid

other relevant source constructs

pGEX2K-L

Inserts GST-STE5 fusion protein

Reporter gene

Promoter,
splice,
PolyA GAL1

Comments

Reference yablonski et al. PNAS(1996).93: 13864-13869

DIDIER PICARD LAB, University of Geneva

Construct number

802

Date entered

6.3.97

Constructed by

Olivier Donzé

Date constructed

6/3/97

PLASMID NAME

pSP73CDC37

bacterial marker Amp

parent vector

pSP73

bacterial plasmid

other relevant source constructs

Inserts

BamH1-SacI insert of cdc37 (cloned by PCR) ligated into pSP73

Reporter gene

Promoter,
splice,
PolyA

Comments

For in vitro translation of cdc37 with T7 polymerase

Reference

Abbas-Terki T. *et al.* The molecular chaperone Cdc37 is required for Ste11 function and pheromone-induced cell cycle arrest. FEBS Lett. 2000 Feb 4;467(1):111-116.

DIDIER PICARD LAB, University of Geneva

Construct number

803

Date entered

10.3.97

Constructed by

Didier Picard

Date constructed

3/97

PLASMID NAME

pU/ERE-Ade2

bacterial marker Amp

yeast marker URA3

eucaryotic replicon none !

parent vector

pLS210

bacterial plasmid

pBR

other relevant source constructs

pUCASS-ERE(Q1)

Inserts

Reporter gene ADE2

Promoter,
splice,
PolyA single ERE upstream of CYC1 TATA region

Comments - plasmid is for integration in yeast, it has no replicon.
- there is a BamHI site upstream of the Ade2 coding region.

Reference -for pLS210: Flaman et al. (1995) PNAS 92, 3963-3967
-Nucleic Acids Research (1999), Vol. 27, No. 8, 1875-1881.

DIDIER PICARD LAB, University of Geneva

Construct number

804

Date entered

10.3.97

Constructed by

Didier Picard

Date constructed

3/97

PLASMID NAME

EF.ZcPR

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEGFP-C1

bacterial plasmid

pUC

other relevant source constructs

497-524.Z, VA/Z.cPR

Inserts

green fluorescent protein (GFP) mutant (F64L and S65T) (with red shift and enhanced fluorescence) fused to β -galactosidase fused to full-length chicken progesterone receptor (cPR)

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments Careful: this plasmid does *not* have the Amp resistance!!!

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

805

Date entered

18.3.97

Constructed by

Didier Picard

Date constructed

3/97

PLASMID NAME

pC7/GR.cPR

bacterial marker Amp

parent vector

pC7/N556

bacterial plasmid

BLUESCRIPT M13+

other relevant source constructs

p6RGRLS9, pHCA/cPRHBD

Inserts

rat glucocorticoid receptor (GR) AA 1-502 fused to chicken progesterone receptor (cPR) AA 495-786 (hormone binding domain).

GR portion contains A/B domain and DNA binding domain, but lacks NL1.

Reporter gene

Promoter, - CMV1 enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - SV40 splice and polyA.

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

806

Date entered

18.3.97

Constructed by

Didier Picard

Date constructed

4/97

PLASMID NAME

DP125s31-library

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

pRS316

bacterial plasmid

Bluescript

other relevant source constructs

Inserts

genomic DNA from yeast strain DP125s31. This strain is a His⁺ and α -factor-sensitive mutant of DP125 (*ade2 his3 leu2 trp1 ura3 hsp82::LEU2 hsc82::LEU2 fus1::HIS3 / hHSP90 β -2 μ -TRP1* (p2TG/hHSP90)). Genomic DNA from DP125s31 lacking the reporter plasmid pSB234 was partially digested with Bsp143I (=Sau3A) and 5-20 kb fragments were cloned into BamHI-cut pRS316. Library size is about 7000 colonies.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

807

Date entered

26.3.97

Constructed by

Promega

Date constructed

PLASMID NAME

pRL-CMV

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

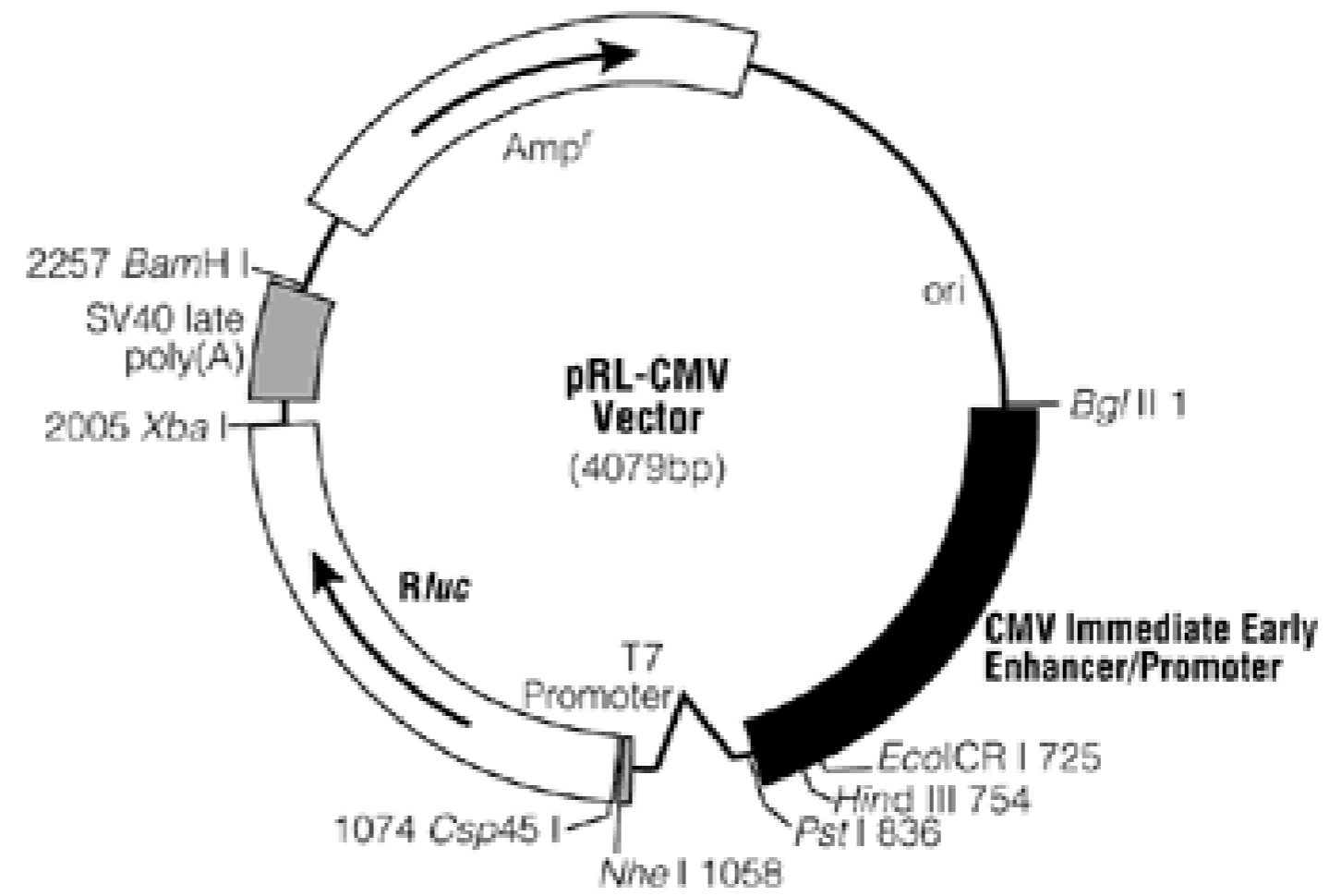
Inserts Renilla luciferase (from Renilla reniformis)

Reporter gene

Promoter, splice, PolyA CMV
SV40 poly A signal

Comments

Reference



10647401_GA

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.4.97

Constructed by Didier Picard

Date constructed 4/97

PLASMID NAME

pU/GRE-Ade2

bacterial marker Amp

yeast marker URA3

eucaryotic replicon none !

parent vector

pLS210

bacterial plasmid

pBR

other relevant source constructs

pUCΔSS-26X

Inserts

Reporter gene

Promoter, 3 copies of TAT GRE upstream of CYC1 TATA region
splice,
PolyA

Comments - plasmid is for integration in yeast, it has no replicon.
- there is a BamHI site upstream of the Ade2 coding region.

Reference for pLS210: Flaman et al. (1995) PNAS 92, 3963-3967

Construct number

809

Date entered

7.4.97

Constructed by

Olivier Donzé

Date constructed

20.3.97

PLASMID NAME

pSP72GSTGCN2

bacterial marker Amp

parent vector

pSP72

bacterial plasmid

other relevant source constructs

Inserts

BamH1-PvuII insert of p2UGSTGCN2 cloned into BamH1-PvuII digested pSP72 vector.

Reporter gene

Promoter,
splice,
PolyA

Comments For *in vitro* translation

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

810

Date entered

8.4.97

Constructed by

Date constructed

PLASMID NAME

pGEX/Srb9-271:499

bacterial marker

parent vector

pGEX-1N

bacterial plasmid

other relevant source constructs

Inserts

Srb9 fragment (aa271:499)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

811

Date entered

8.4.97

Constructed by

Date constructed

PLASMID NAME

pGEX/Y'-10:330

bacterial marker

parent vector

pGEX-1N

bacterial plasmid

other relevant source constructs

Inserts

Y' fragment (10-330)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

812

Date entered

8.4.97

Constructed by

Date constructed

PLASMID NAME

pGEX/JSN1-108:810

bacterial marker

parent vector

pGEX-1N

bacterial plasmid

other relevant source constructs

Inserts

JSN fragment (aa108 to aa810)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

813

Date entered

8.4.97

Constructed by

Date constructed

PLASMID NAME

pGEX/UBP7-160:643

bacterial marker

parent vector

pGEX-1N

bacterial plasmid

other relevant source constructs

Inserts

UBP7 fragment (aa160 to 643)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.4.97

Constructed by Didier Picard

Date constructed 4/97

PLASMID NAME

pG/hER Δ

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG/ER(G)

bacterial plasmid

pUC

other relevant source constructs

Inserts human estrogen receptor coding region lacking codons 68 to 503 (natural NotI site fused with new NotI site at PflMI site 280 bp upstream of stop codon).

-> overlap with ER mRNA is about 200 bp and 280 bp at the 5' and 3' ends, respectively.

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments gap repair vector -> linearize vector with unique NotI site.

Reference -for pG1: Schena et al. (1991) Methods Enzym. 194:389-398.
-Nucleic Acids Research (1999), Vol. 27, No. 8, 1875-1881.

Construct number

815

Date entered

9.4.97

Constructed by

P. Hieter via ATCC and P. Linder

Date constructed

PLASMID NAME

p366 yeast library

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

p366

bacterial plasmid

pBR322

other relevant source constructs

Inserts

Yeast (*S. cerevisiae*) genomic library (strain: YPH1); Sau3AI partial;
9-12 kb inserts; need ≥ 1000 clones for "complete" coverage.

Reporter gene

Promoter,
splice,
PolyA

Comments

Library has been amplified at least once!
The order of the major features of the parent vector p366 are: HindIII -
BamHI - SphI - LEU2 - CEN4 - ARS1 - pMB1 ori - bla. Total size of p366 is
8.5 kb.

Reference

can be obtained from ATCC

Construct number

816

Date entered

9.4.97

Constructed by

Dieter Kessler (Linder lab)

Date constructed

PLASMID NAME

YCplac111-library

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

YCplac111

bacterial plasmid

pUC

other relevant source constructs

Inserts

Yeast (*S. cerevisiae*) genomic library (strain: CDK8-3A [*tif1::HIS3 tif2::URA3 pGalTIF stm2::LEU2 stm1::ADE2*]); Sau3AI partial cloned into BamHI site of vector which contains the pUC19 polylinker; 5-10 kb inserts; ~40'000 independent clones.

Reporter gene

Promoter,
splice,
PolyA

Comments library has been amplified at least once!

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 10.4.97

Constructed by Patrick Keller

Date constructed 10.2.1997

PLASMID NAME

pUC18/P4-3

bacterial marker Amp

parent vector

pUC18

bacterial plasmid

pUC

other relevant source constructs

P4-3

Inserts green fluorescent protein (GFP) with double point mutations Y66H and Y145F (P4-3).

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference For P4-3 : Current Biol. 6, 178-182 (1996)

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 10.4.97

Constructed by Patrick Keller

Date constructed 3.4.1997

PLASMID NAME

p2HG/HSP82.P4-3

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

P4-3, p2HG/HSP82.S65T

Inserts Full length yeast HSP82 fused to green fluorescent protein (GFP) with double point mutations Y66H and Y145F (P4-3).

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

Construct number

819

Date entered

11.4.97

Constructed by

Dieter Kessler (Linder lab)

Date constructed

PLASMID NAME

YEplac181 - library

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

YEplac181

bacterial plasmid

pUC

other relevant source constructs

Inserts

Yeast (*S. cerevisiae*) genomic library (strain: CDK8-3A [*tif1::HIS3 tif2::URA3 pGalTIF stm2::LEU2 stm1::ADE2*]); Sau3AI partial cloned into BamHI site of vector which contains the pUC19 polylinker; 5-10 kb inserts; ~80'000 independent clones.

Reporter gene

Promoter,
splice,
PolyA

Comments library has been amplified at least once!

Reference

Construct number

820

Date entered

11.4.97

Constructed by

gordon peters

Date constructed

PLASMID NAME

h cyclin D1

bacterial marker Amp

parent vector
bluescript KS+
bacterial plasmid

other relevant source constructs

Inserts human cyclin D1 cDNA (900pb) cloned as BamHI -EcoRI fragment.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.4.97

Constructed by toufik

Date constructed 4.97

PLASMID NAME

pYes GST-STE5 Δ C

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYes

bacterial plasmid

other relevant source constructs

Ste5 Δ C and pYes GST-STE5(82)

Inserts The PEST domain in C-terminus is absent.

Reporter gene

Promoter,
splice,
PolyA GAL1

Comments Stop codon is 91 nucleotides after Ste5 sequence, just after the polylinker of pYes.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.4.97

Constructed by toufik

Date constructed 4.97

PLASMID NAME

pYes HA-STE5

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYes

bacterial plasmid

other relevant source constructs

pYes GST-STE5(82)

Inserts HA tag (MQDLPGNDNSTAG) fused to STE5.
This construction was made by generating a blunt-end with Klenow polymerase.

Reporter gene

Promoter, GAL1
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

823

Date entered

15.4.97

Constructed by

Didier Picard

Date constructed

4/97

PLASMID NAME

DP125s19-library

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

pRS316

bacterial plasmid

Bluescript

other relevant source constructs

Inserts

genomic DNA from yeast strain DP125s19. This strain is a His⁺ and α -factor-sensitive mutant of DP125 (*ade2 his3 leu2 trp1 ura3 hsp82::LEU2 hsc82::LEU2 fus1::HIS3 / hHSP90 β -2 μ -TRP1* (p2TG/hHSP90)). Genomic DNA from DP125s19 lacking the reporter plasmid pSB234 was partially digested with Bsp143I (=Sau3AI) and 5-20 kb fragments were cloned into BamHI-cut pRS316.

Library size is about 20'000 colonies of which about 1% are empty vector and 30-34% derive from plasmid p2TG/hHSP90.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 15.4.97

Constructed by toufik

Date constructed 4.97

PLASMID NAME

p2HG/Hsp82.GST

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

BS

other relevant source constructs

p2U/Hsp82.GST

Inserts wild type full-length yeast Hsp82 fused to N-terminus of GST

Reporter gene

Promoter, GPD
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 15.4.97

Constructed by toufik

Date constructed 4.97

PLASMID NAME

p2LG / Hsp82.GST

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

p2LG

bacterial plasmid

BS

other relevant source constructs

p2U/Hsp82.GST

Inserts wild type full-length yeast Hsp82 fused to N-terminus of GST

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 15.4.97

Constructed by Toufik

Date constructed 4.97

PLASMID NAME

pRS423/h.cyclinD1

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

pRS423

bacterial plasmid

other relevant source constructs

h cyclin D1

Inserts full length human cyclin D1.

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 2.5.97

Constructed by Rainer Warth

Date constructed 21.4.97

PLASMID NAME

pCMV/LEG

bacterial marker Amp

parent vector

BS(-)

bacterial plasmid

other relevant source constructs

pUC/GST, pGEX-1N

Inserts GST for easier subcloning

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 5.5.97

Constructed by Rainer Warth

Date constructed 5.4.1997

PLASMID NAME

pTRC/SRB9-271:499

bacterial marker Amp

parent vector
pTRC-HisB
bacterial plasmid

other relevant source constructs

Inserts SRB9 gene from 271 to 499
from Katja's 2H screen

Reporter gene

Promoter,
splice,
PolyA

Comments Vector sequence available (sequence part from this record)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

829

Date entered

5.5.97

Constructed by

Rainer Warth

Date constructed

5.4.1997

PLASMID NAME

pTRC/Y^I-10:330

bacterial marker

Amp

parent vector

pTRC-HisB

bacterial plasmid

other relevant source constructs

Inserts

UBP7 gene from 160 to 643
from Katja's 2H screen

Reporter gene

Promoter,
splice,
PolyA

Comments

Vector sequence available (sequence part from this record)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 5.5.97

Constructed by Rainer Warth

Date constructed 4.97

PLASMID NAME

pTRC/JSN1-108:810

bacterial marker Amp

parent vector
pTRC-HisB
bacterial plasmid

other relevant source constructs

Inserts JSN1 gene from 108 to 810
from Katja's 2H screen

Reporter gene

Promoter,
splice,
PolyA

Comments Vector sequence available (sequence part from this record)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 5.5.97

Constructed by Rainer Warth

Date constructed 5.4.1997

PLASMID NAME

pTRC/UBP7-160:643

bacterial marker Amp

parent vector
pTRC-HisB
bacterial plasmid

other relevant source constructs

Inserts UBP7 gene from 160 to 643
from Katja's 2H screen

Reporter gene

Promoter,
splice,
PolyA

Comments Vector sequence available (sequence part from this record)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

832

Date entered

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

837

Date entered

12.5.97

Constructed by

Pierre-André Briand

Date constructed

5/97

PLASMID NAME

p2HEZ

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

pRS423

bacterial plasmid

Bluescript

other relevant source constructs

pUC/ Δ SS-ERE, p65VALO

Inserts single estrogen response element (ERE) upstream of minimal CYC1 promoter driving β -galactosidase

Reporter gene lacZ

Promoter,
splice,
PolyA

Comments - essentially HIS3 marker version of pUC/ Δ SS-ERE
- high basal (10-20-fold higher)

Reference for pUC/ Δ SS-ERE: Picard et al. (1990) Nature **348**, 166-168
for pRS423: Christianson et al. (1992) Gene 110, 119-122

DIDIER PICARD LAB, University of Geneva

Construct number

838

Date entered

12.5.97

Constructed by

Rainer Warth

Date constructed

10.5.97

PLASMID NAME

pBS/GST.SRB9-271:499

bacterial marker Amp

parent vector

pBS(-)GST

bacterial plasmid

pBS

other relevant source constructs

Inserts

SRB9 gene from 271 to 499
from Katja's 2H screen

Reporter gene

Promoter,
splice,
PolyA

Comments Vector sequence available (sequence part from this record)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 12.5.97

Constructed by Rainer Warth

Date constructed 10.5.97

PLASMID NAME

pBS/GST.Y'-10:330

bacterial marker Amp

parent vector
pBS(-)/GST
bacterial plasmid
pBS
other relevant source constructs

Inserts Y' gene from 10to 330
from Katja's 2H screen

Reporter gene

Promoter,
splice,
PolyA

Comments Vector sequence available (squence part from this record)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

840

Date entered

12.5.97

Constructed by

Rainer Warth

Date constructed

10.5.97

PLASMID NAME

pBS/GST.JSN1-108:810

bacterial marker Amp

parent vector

pBS(-)/GST

bacterial plasmid

pBS

other relevant source constructs

Inserts

JSN gene from 108:810
from Katja's 2H screen

Reporter gene

Promoter,
splice,
PolyA

Comments Vector sequence available (sequence part from this record)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

841

Date entered

12.5.97

Constructed by

Rainer Warth

Date constructed

12.5.97

PLASMID NAME

pBS/GST.UBP7-160:643

bacterial marker

parent vector

pBS(-)/GST

bacterial plasmid

pBS

other relevant source constructs

Inserts

UBP7 gene from 160:643
from Katja's 2H screen

Reporter gene

Promoter,
splice,
PolyA

Comments

Vector sequence available (sequence part from this record)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

842

Date entered

14.5.97

Constructed by

Pierre-André Briand

Date constructed

5/97

PLASMID NAME

pC7/hHSP90.B

bacterial marker Amp

parent vector

pC7/hHSP90

bacterial plasmid

BLUESCRIPT M13+

other relevant source constructs

pUC18/P4-3

Inserts

full-length human HSP90 β fused to green fluorescent protein (GFP) with double point mutations Y66H and Y145F (P4-3).

Reporter gene

Promoter, - CMV1 enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - SV40 splice and polyA.

Comments

- GFP is blue.
- EcoRI site just upstream of stop codon of hHSP90 β was introduced by PCR (sequence was verified!).

Reference

for HSP90 cDNA: Rebbe et al. (1987) Gene **53**, 235-245.
for P4-3 : Current Biol. 6, 178-182 (1996)

Construct number

843

Date entered

15.5.97

Constructed by

Trapman lab

Date constructed

PLASMID NAME

pG1AR-II

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

pUC18

other relevant source constructs

Inserts full-length human androgen receptor (AR) coding region

Reporter gene

Promoter, GPD promoter
splice, PGK terminator
PolyA

Comments

Reference Doesburg et al. (1997) Biochemistry 36, 1052-1064

DIDIER PICARD LAB, University of Geneva

Construct number

844

Date entered

22.5.97

Constructed by

Pierre-André Briand

Date constructed

5/97

PLASMID NAME

pG/ER Δ 5

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG/ER(G)

bacterial plasmid

pUC

other relevant source constructs

pCRII/ Δ 5-PCR

Inserts

human estrogen receptor (ER) lacking amino acids encoded by exon 5 ("exon 5 deletion variant"). G366 is the last natural residue followed by TRENV

Reporter gene

Promoter, GPD promoter
splice, PGK terminator
PolyA

Comments

Reference -for pG1: Schena et al. (1991) Methods Enzym. 194:389-398.
--Nucleic Acids Research (1999), Vol. 27, No. 8, 1875-1881.

Construct number

845

Date entered

23.5.97

Constructed by

Cernilofsky lab (Bender & Co.)

Date constructed

PLASMID NAME

pADneo-fosluci

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene luciferase

Promoter, - c-fos promoter
splice, - SV40 polyA?
PolyA

Comments also contains RSV-neo

Reference

Construct number

846

Date entered

30.5.97

Constructed by

Katzenellenbogen lab

Date constructed

PLASMID NAME

pCMVhER G521R

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pCMV5

bacterial plasmid

other relevant source constructs

Inserts full-length human estrogen receptor (hER) with point mutation G521R (corresponds to G525R in mouse ER).

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - hGH 3' sequence
PolyA

Comments - ER cDNA is cloned into BamHI site
- this mutant essentially only responds to hydroxytamoxifen (use at ≥ 100 nM), not to β -estradiol (weakly at $\geq 1\mu$ M).

Reference see Ekena et al. (1996) JBC 271, 20053-20059

Construct number

847

Date entered

30.5.97

Constructed by

Katzenellenbogen lab

Date constructed

PLASMID NAME

pCMVhER L525A

bacterial marker Amp

parent vector

pCMV5

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts full-length human estrogen receptor (hER) with point mutation L525A

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - hGH 3' sequence
PolyA

Comments ER cDNA is cloned into BamHI site

Reference Ekena et al. (1996) JBC 271, 20053-20059

Construct number

848

Date entered

30.5.97

Constructed by

Malcolm Parker lab

Date constructed

PLASMID NAME

pGEX2TK-SRC1a (1241-1441)

bacterial marker Amp

parent vector

pGEX-2TK

bacterial plasmid

pBR

other relevant source constructs

Inserts

human SRC1a C-terminal AA 1241-1441 (nuclear receptor interaction domain)

Reporter gene

Promoter,
splice,
PolyA

Comments

IPTG-inducible bacterial expression vector.

Reference

Construct number

849

Date entered

30.5.97

Constructed by

Malcolm Parker lab

Date constructed

PLASMID NAME

pSG5/SRC1a

alternative name

p160

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts full-length human SRC1a (p160)

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

- expression vector replicates in COS cells.
- Bgl2 site of vector pSG5 was lost by insertion of cDNA
- details on 5' end are given in sequence layout.
- complete sequence available, too

Reference for pSG5: Green et al. (1988) NAR 16, 369.

Construct number

850

Date entered

30.5.97

Constructed by

Malcolm Parker lab

Date constructed

PLASMID NAME

MER/G525R

bacterial marker Amp

parent vector

BSKS+

bacterial plasmid

other relevant source constructs

Inserts

mouse estrogen receptor (mER) hormone binding domain (HBD) with G525R mutation (corresponds to G521R in human ER)

Reporter gene

Promoter,
splice,
PolyA

Comments

- this mutant essentially only responds to hydroxytamoxifen (use at ≥ 100 nM), not to β -estradiol (weakly at $\geq 1\mu M$).
- HBD cloned into BSKS+ as BamHI-EcoRI fragment (?)

Reference

for G525R: Danielian et al. (1993) Mol. Endocrinol. 7, 232-240

Construct number

851

Date entered

5.6.97

Constructed by

Jeff Lefstin (Yamamoto lab)

Date constructed

4/91

PLASMID NAME

pFL-N795ΔNae

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

Bluescript

other relevant source constructs

Inserts rat glucocorticoid receptor (rGR) and GRE-lacZ reporter gene

Reporter gene lacZ

Promoter, for rGR: GPD promoter
splice, for reporter: GRE (3xTAT) - minimal CYC1 promoter
PolyA

Comments high basal in absence of hormone

Reference

Construct number

852

Date entered

12.6.97

Constructed by

C. Bélanger

Date constructed

PLASMID NAME

pGL3-pS2

bacterial marker Amp

parent vector

pGL3

bacterial plasmid

other relevant source constructs

Inserts luciferase under control of pS2 promoter

Reporter gene luciferase

Promoter, pS2
splice,
PolyA SV40

Comments

Reference

Construct number

853

Date entered

12.6.97

Constructed by

C. Bélanger

Date constructed

PLASMID NAME

pGL3-pS2- Δ ERE

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts Luciferase under control of pS2 promoter (ERE deleted)

Reporter gene

Promoter, pS2
splice,
PolyA SV40

Comments

Reference

Construct number

854

Date entered

13.6.97

Constructed by

David Smith lab

Date constructed

PLASMID NAME

pSPUTK/wtHip

alternative name

wt Hip

bacterial marker

Amp

parent vector

pSPUTK

bacterial plasmid

high copy

other relevant source constructs

Inserts

human Hip; wild-type coding region

Reporter gene

Promoter,
splice,
PolyA

SP6 with Xenopus β -globin 5 UTR

Comments

Reference

Construct number

855

Date entered

13.6.97

Constructed by

David Smith lab

Date constructed

PLASMID NAME

pSPUTK/APAV2

alternative name

Hip APAV2

bacterial marker Amp

parent vector

pSPUTK

bacterial plasmid

high copy

other relevant source constructs

Inserts

human Hip; full-length coding region with two of the DPEV sequences at the C-terminus of Hip mutated to APAV

Reporter gene

Promoter,
splice,
PolyA

SP6 with Xenopus β -globin 5 UTR

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 856

Date entered 16.6.97

Constructed by Jiawei LIU

Date constructed 16.6.1997

PLASMID NAME

p2LEZ

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pRS425

bacterial plasmid

pBluescript

other relevant source constructs

p2HEZ

Inserts single estrogen response element (ERE) upstream of minimal CYC1 promoter driving β -galactosidase

Reporter gene lacZ

Promoter,
splice,
PolyA

Comments essentially LEU2 marker version of pUC/ Δ SS-ERE
!!!!!!!!!!!!!! HIGH BASAL ACTIVITY !!!!!!!!!!!!!

Reference for pUC/ Δ SS-ERE: Picard et al. (1990) Nature **348**, 166-168
for pRS425: Christianson et al. (1992) Gene 110, 119-122

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.6.97

Constructed by Jiawei LIU

Date constructed 16.6.1997

PLASMID NAME

pHCAEZ

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

Bluescript

other relevant source constructs

p2HEZ

Inserts single estrogen response element (ERE) upstream of minimal CYC1 promoter driving β -galactosidase

not good! (see comments)

Reporter gene

Promoter,
splice,
PolyA

Comments essentially HIS3 marker version of pUC/ Δ SS-ERE
!!!!!!!!!!!!!! HIGH BASAL ACTIVITY !!!!!!!!!!!!!

Reference for pUC/ Δ SS-ERE: Picard et al. (1990) Nature **348**, 166-168
pRS313: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 17.6.97

Constructed by Rainer Warth

Date constructed 10.6.97

PLASMID NAME

pG/GST.SRB9-271:499

bacterial marker Amp

yeast marker TRP1

parent vector

pG-1

bacterial plasmid

other relevant source constructs

Inserts subcloned from pBS/GST.SRB9-271:499

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

859

Date entered

17.6.97

Constructed by

Rainer Warth

Date constructed

15.5.97

PLASMID NAME

pG/GST.Y'-10:330

bacterial marker Amp

yeast marker TRP1

parent vector

pG-1

bacterial plasmid

other relevant source constructs

Inserts subcloned from pBS/GST.Y'-10:330

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

860

Date entered

17.6.97

Constructed by

Rainer Warth

Date constructed

15.5.97

PLASMID NAME

pG/GST.JSN1-108:810

bacterial marker Amp

yeast marker TRP1

parent vector

pG-1

bacterial plasmid

other relevant source constructs

Inserts subcloned from pBS/GST.JSN1-108:810

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

861

Date entered

17.6.97

Constructed by

Rainer Warth

Date constructed

2.5.97

PLASMID NAME

pG/GST

bacterial marker Amp

yeast marker TRP1

parent vector

pG-1

bacterial plasmid

other relevant source constructs

pUC/GST, pBS(-)/GST

Inserts GST

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

863

Date entered

25.6.97

Constructed by

Mike Garabedian

Date constructed

PLASMID NAME

pG1F620S

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

pUC

other relevant source constructs

Inserts full-length rat glucocorticoid receptor (rGR) with F620S mutation.

Reporter gene

Promoter, - GPD promoter
splice, - PGK termination sequence
PolyA

Comments F620S increases response to Dex in yeast.

Reference for original wt construct: Methods in Enzymology (1991) 194 : 389-398.

Construct number

864

Date entered

25.6.97

Constructed by

Sean Bohan

Date constructed

PLASMID NAME

pHCA/F620S

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRSR313

bacterial plasmid

BS

other relevant source constructs

based on pHCA/rGR

Inserts full-length rat glucocorticoid receptor (rGR) with F620S mutation.

Reporter gene

Promoter,
splice,
PolyA - GPD promoter

Comments F620S increases response to Dex in yeast.

Reference

Construct number

865

Date entered

25.6.97

Constructed by

Sean Bohan

Date constructed

PLASMID NAME

pH2/F620S GR

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

pRS423

bacterial plasmid

BS

other relevant source constructs

Inserts full-length rat glucocorticoid receptor (rGR) with F620S mutation.

Reporter gene

Promoter,
splice,
PolyA - GPD promoter

Comments F620S increases response to Dex in yeast.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 866

Date entered 30.6.97

Constructed by Jiawei LIU

Date constructed 06.1997

PLASMID NAME

p2H(u)EZ

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

pRS423

bacterial plasmid

pBluescript

other relevant source constructs

p2HEZ, pUC Δ SS-ERE

Inserts single estrogen response element (ERE) upstream of minimal CYC1 promoter driving β -galactosidase

Reporter gene lacZ

Promoter,
splice,
PolyA

Comments essentially HIS3 marker version of pUC/ Δ SS-ERE

Reference for pUC/ Δ SS-ERE: Picard et al. (1990) Nature **348**, 166-168
for pRS423: Christianson et al. (1992) Gene 110, 119-122

Construct number

867

Date entered

3.7.97

Constructed by

strubin lab

Date constructed

3.7.97

PLASMID NAME

pYesADE2

bacterial marker Amp

yeast marker ADE2

eucaryotic replicon 2 μ circle

parent vector

pYes

bacterial plasmid

other relevant source constructs

pYes

Inserts

Reporter gene

Promoter,
splice,
PolyA

GAL1

Comments

Reference Eduardo Gonzalez Couto (February 1996)

Construct number

868

Date entered

14.7.97

Constructed by

L. Arwood (Lindquist lab)

Date constructed

PLASMID NAME

p2A/GRGZ

bacterial marker Amp

yeast marker Ade2

eucaryotic replicon 2 μ circle

parent vector

p2909

bacterial plasmid

other relevant source constructs

Inserts

glucocorticoid Receptor expressed from the GPD promoter and reporter gene (GRE-cyc1-lacZ) on 2 micro ADE2+ plasmid.

Reporter gene

Promoter,
splice,
PolyA

GPD

Comments

Reference

Construct number

869

Date entered

14.7.97

Constructed by

D. Nathan (Lindquist Lab)

Date constructed

PLASMID NAME

pTGpd/G170D

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pTGpd

bacterial plasmid

other relevant source constructs

pRS314

Inserts

ts mutant (G170D of the yeast Hsp82 expressed from the GPD promoter on a trp marked cen plasmid).

Reporter gene

Promoter,
splice,
PolyA

GDP

Comments

Reference

Construct number

871

Date entered

25.7.97

Constructed by

David Smith lab

Date constructed

PLASMID NAME

pSPUTK/N-303

Hip-303

bacterial marker Amp

parent vector

pSPUTK

bacterial plasmid

high copy

other relevant source constructs

Inserts

human hip; 65 aa at C-terminus were deleted (NcoI-SpHI fragment)

Reporter gene

Promoter,
splice,
PolyA

SP6 with Xenopus β -globin 5 UTR

Comments

Reference

MCB vol16, no11, p6200-6207

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 19.8.97

Constructed by Jiawei LIU

Date constructed 19.8.1997

PLASMID NAME

p2TG/fluTRAP1

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pRS304

bacterial plasmid

other relevant source constructs

p2TG/fluhs82 ; pGAD GH/TRAP1

Inserts Flu/HA epitope (12CA5 antigen) fused to partial TRAP1(TNF receptor-associated protein, with strong homology to the 90 kDa family of heat shock proteins) sequence.

Reporter gene

Promoter,
splice,
PolyA GPD

Comments Probably starts with Q406, but not clear whether this clone has the correct C-terminus.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 19.8.97

Constructed by Jia Wei Liu

Date constructed

PLASMID NAME

pGAD GH/TRAP1

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pGAD GH

bacterial plasmid

other relevant source constructs

Inserts Partial TRAP1(TNF receptor-associated protein, with strong homology to the 90 kDa family of heat shock proteins) sequence fused to GAL4 activation domain

Reporter gene

Promoter,
splice,
PolyA ADH1

Comments - clone fished out in genetic screen in yeast.
- probably starts with Q406, but not clear whether this clone has the correct C-terminus.

Reference -Clontech Matchmaker Library of HeLa cell was provided by Krämer's lab

Construct number

875

Date entered

20.8.97

Constructed by

A.Ziemiecki (BERN)

Date constructed

PLASMID NAME

pBSL7a

bacterial marker Amp

parent vector

pBs

bacterial plasmid

other relevant source constructs

Inserts

EcoRI fragment of the ribosomal protein L7a (also called SPA for switching protein for antagonist)

Reporter gene

Promoter,
splice,
PolyA

Comments

L7a or SPA protein allows steroid receptor to become activated in the presence of antagonists (RU486)

Reference

for L7a: Ziemiecki, A. et al., (1990) EMBO J, 9, 191-196
for SPA: Jackson, T. et al., (1997) Mol. Endo. 11, 693-705

DIDIER PICARD LAB, University of Geneva

Construct number

876

Date entered

22.8.97

Constructed by

Rainer Warth

Date constructed

8.8.97

PLASMID NAME

pBS/CPR7

bacterial marker

Amp

parent vector

BS(-)

bacterial plasmid

other relevant source constructs

Inserts

CPR7 gene from PCR reaction
(Sequence and map available)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 26.8.97

Constructed by Jiawei LIU

Date constructed 26.8.1997

PLASMID NAME

pG/mER(2xL-A)

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pRS424

bacterial plasmid

other relevant source constructs

pG3, pmt-2 MOR 1-599,
pJ3 L-543A/L-544A*

Inserts

Mouse estrogen receptor (MOR) which contains double point mutations L-543A/L-544A in the hormone binding domain (Mutations were cloned as oligos between KpnI and ClaI sites engineered at positions 1608 and 1654 introducing an XhoI site at 1634).

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference *Danielian et al. (1992) EMBO J. **11**, 1025-1033.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 26.8.97

Constructed by Didier Picard

Date constructed 2/13/90

PLASMID NAME

pHCA/GZ

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

Bluescript

other relevant source constructs

p(G26)3YC, pI-G26.1

Inserts

Reporter gene

Promoter, 3xGRE upstream of minimal CYC1 promoter (TATA region)
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

879

Date entered

26.8.97

Constructed by

Didier Picard

Date constructed

2/13/90

PLASMID NAME

pTCA/GZ

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pRS314

bacterial plasmid

Bluescript

other relevant source constructs

p(G26)3YC, pI-G26.1

Inserts

Reporter gene lacZ

Promoter, 3xGRE upstream of minimal CYC1 promoter (TATA region)
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 26.8.97

Constructed by toufik

Date constructed 8.97

PLASMID NAME

pYES/HA-Ste11

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES

bacterial plasmid

other relevant source constructs

BB345

Inserts HA ta(MQDLPGNDNSTAG) fused to Ste11.

Reporter gene

Promoter,
splice,
PolyA GAL-1

Comments

Reference Louvion et al. (1998). Hsp90 is required for pheromone signaling in yeast.
Mol. Biol. Cell 8, 3071-3083

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 27.8.97

Constructed by toufik

Date constructed 7.96

PLASMID NAME

pG1/ α wt.ER

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

puC

other relevant source constructs

pG1/ α wt pG1/ α ER

Inserts fusion between alpha peptide aa:1-85 (wt, obtained by PCR) and the HBD of ER(G400)

Reporter gene

Promoter, GPD
splice,
PolyA

Comments

Reference

Construct number

882

Date entered

27.8.97

Constructed by

Tom Spencer

Date constructed

PLASMID NAME

pABGAL147hSRC-1A

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Gal4 DNA-binding domain fused to SRC-1a (human)

Reporter gene

Promoter,
splice,
PolyA

RSV

Comments

For tethered co-activator assay

Reference

Construct number

883

Date entered

27.8.97

Constructed by

Paul Webb

Date constructed

PLASMID NAME

GK1

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

plasmid containing the firefly luciferase reporter gene under the control of an erb-TATA and a 5XGAL4 enhancer (17mer) (lacks the pUC backbone AP-1 site)

Reporter gene

luciferase

Promoter,
splice,
PolyA

SV40 splice and polyA

Comments - see separate map

- sequence of most of the plasmid available (includes upstream vector sequences, promoter, luciferase and downstream SV40 splice and polyA).

Reference

Webb, P., Nguyen, P., Shinsako, J., Anderson, C., Feng, W., Nguyen, M. P., Chen, D., Huang, S. M., Subramanian, S., McKinerney, E., Katzenellenbogen, B. S., Stallcup, M. R., and Kushner, P. J. (1998). Mol. Endocrinol. 12, 1605-1618.

Construct number

884

Date entered

27.8.97

Constructed by

Mike Stallcup's lab

Date constructed

PLASMID NAME

GAL-GRIP (5-1462)

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

GAL DNA-binding domain fused to the Co-activator GRIP1 (mouse)

Reporter gene

Promoter,
splice,
PolyA

Comments for tethered coactivator assay

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

885

Date entered

27.8.97

Constructed by

Olivier Donzé

Date constructed

14.5.97

PLASMID NAME

pGex2CDC37

bacterial marker Amp

parent vector

pGex2

bacterial plasmid

other relevant source constructs

Inserts

BamH1-EcoRI insert from pSP73CDC37 cloned into the BamH1-EcoR1 site of pGex2. (the CDC37 gene contains an internal EcoR1 site!)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Abbas-Terki T. *et al.* The molecular chaperone Cdc37 is required for Ste11 function and pheromone-induced cell cycle arrest. FEBS Lett. 2000 Feb 4;467(1):111-116.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 27.8.97

Constructed by Jiawei LIU

Date constructed 8.97

PLASMID NAME

SIAEM3-pG/ER(G)

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

pUC

other relevant source constructs

pG/ER(G)

Inserts undefined mutant of the human estrogen receptor (ER) wild-type form, i.e. Gly400

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments this plasmid mutation gives a higher basal level than its w.t. form in β -gal activity of Lac Z reporter gene

Reference for pG1: Schena et al. (1991) Methods Enzym. 194:389-398.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 27.8.97

Constructed by Jiawei LIU

Date constructed 8.97

PLASMID NAME

pG/ER(SIAEM3)

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

pUC

other relevant source constructs

SIAEM3-pG/ER(G), pG/ER(G)

Inserts N-terminus (aa:1-158) of human estrogen receptor (ER) wild-type form (i. e. Gly400) fused to the rest of the coding sequence (aa:159-595?) which is from undefined plasmid mutation (SIAEM3-pG/ER(G))

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments

Reference for pG1: Schena et al. (1991) Methods Enzym. 194:389-398.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 28.8.97

Constructed by toufik

Date constructed 7.97

PLASMID NAME

p2TG/flag.Hsp82wt

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pRS304

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/flaghsp82 p2TG/hHsp90

Inserts flag epitope (asp-tyr-lys-asp-asp-asp-asp-lys) fused to hsp82 wt

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference Louvion et al. (1998). Hsp90 is required for pheromone signaling in yeast. Mol. Biol. Cell 8, 3071-3083

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 28.8.97

Constructed by toufik

Date constructed 7.97

PLASMID NAME

p2TG/flag.Hsp82G313N

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pRS304

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

p2U/flaghsp82G313N p2TG/hHsp90

Inserts flag epitope (asp-tyr-lys-asp-asp-asp-asp-lys) fused to hsp82 G313N

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

891

Date entered

28.8.97

Constructed by

Pierre-André Briand

Date constructed

10/2003

PLASMID NAME

ER α S167A

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

HEG0, S167A intermediate

Inserts full-length human estrogen receptor α (ER) with point mutation S167A

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference for pSG5: Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

892

Date entered

28.8.97

Constructed by

Pierre-André Briand

Date constructed

10/2003

PLASMID NAME

ER α S167E

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

HEG0, S167E intermediate

Inserts full-length human estrogen receptor α (ER) with point mutation S167E

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference for pSG5: Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

893

Date entered

28.8.97

Constructed by

Pierre-André Briand

Date constructed

6/97

PLASMID NAME

pCMV/S104/6A

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pCMV4

bacterial plasmid

other relevant source constructs

pCMV-ERwt, S104/6A

Inserts full-length human estrogen receptor (hER) with double point mutations S104A / S106A

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - hGH 3' sequence
PolyA

Comments - expression vector replicates in COS cells.
- mutations were introduced into ER subclone by PCR and sequenced.

Reference for parent vector pCMV-ERwt: Nef et al. (1994) Mol. Endocrinology 8: 1215-1223.

DIDIER PICARD LAB, University of Geneva

Construct number

894

Date entered

28.8.97

Constructed by

Pierre-André Briand

Date constructed

10/2003

PLASMID NAME

ER α S104/6-167A

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

HEG0, S104/6A, S167A intermediate

Inserts

full-length human estrogen receptor α (ER) with triple point mutations S104A, S106A, and S167A.

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference for pSG5: Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 2.9.97

Constructed by Jiawei LIU

Date constructed 9.97

PLASMID NAME

pSCT-TRAP1

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs
PSCTZ@N85, pGAD GH/TRAP1

eucaryotic replicon SV40 ori

Inserts Partial TRAP1 (TNF receptor-associated protein, with strong homology to the 90 kDa family of heat shock proteins) sequence fused to GAL4 activation domain (768-881)

Reporter gene

Promoter, CMV
splice,
PolyA

Comments Probably starts with Q406, but not clear whether this clone has the correct C-terminus.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

896

Date entered

10.9.97

Constructed by

Jiawei LIU

Date constructed

9.1997

PLASMID NAME

pG/mER(1-599)

alternative name

p2TG/mER(1-599)

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pRS424

bacterial plasmid

other relevant source constructs

pG3, pmt-2 MOR 1-599

Inserts

MOR (mouse oestrogen receptor), wild type(1-599)

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 10.9.97

Constructed by Jiawei LIU

Date constructed 9.1997

PLASMID NAME

pG/hER(m)

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pRS424

bacterial plasmid

other relevant source constructs

pG/ER(G), pmt-2 MOR 1-599

Inserts st

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 10.9.97

Constructed by Jiawei LIU

Date constructed 9.1997

PLASMID NAME

pG/hER(m2xL-A)

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pRS424

bacterial plasmid

other relevant source constructs

pG/ER(G), pJ3 L-543A/L-544A*

Inserts

N-terminus of human ER (aa: 1-64) fused to MOR (mouse oestrogen receptor, aa: 90-599) which contains double point mutations L-543A/L-544A in the hormone binding domain (Mutations were cloned as oligos between KpnI and ClaI sites engineered at positions 1608 and 1654 introducing an XhoI site at 1634).

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference *Danielian et al. (1992) EMBO J. **11**, 1025-1033.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 10.9.97

Constructed by toufik

Date constructed 9.1997

PLASMID NAME

pYesADE2/HA-Ste11

bacterial marker Amp

yeast marker ADE2

eucaryotic replicon 2 μ circle

parent vector

pyes

bacterial plasmid

other relevant source constructs

pYesADE2 pYes/HA.Ste11

Inserts Ha tag (MQDLPGNDNSTAG) fused to Ste11 in N-terminus

Reporter gene

Promoter,
splice,
PolyA GAL1

Comments

Reference Abbas-Terki T. *et al.* The molecular chaperone Cdc37 is required for Ste11 function and pheromone-induced cell cycle arrest. FEBS Lett. 2000 Feb 4;467(1):111-116.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.9.97

Constructed by toufik

Date constructed 9.1997

PLASMID NAME

pYesADE2/GST.Ste5

bacterial marker Amp

yeast marker ADE2

eucaryotic replicon 2 μ circle

parent vector

pYes

bacterial plasmid

other relevant source constructs

pYesADE2
pYes/GST-STE5(Hsp82)

Inserts GST-Ste5 fusion protein.

Reporter gene

Promoter, GAL1
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.9.97

Constructed by toufik

Date constructed 9.1997

PLASMID NAME

pYes/Ste11 Δ N.GST

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYes

bacterial plasmid

other relevant source constructs

pYes/Ste11 Δ N.ER

Inserts STE11 coding sequences (deleted for N-terminal sequences, start aa:341) fused to the GST.

Reporter gene

Promoter, GAL1
splice,
PolyA

Comments

Reference Louvion et al. (1998). Hsp90 is required for pheromone signaling in yeast. Mol. Biol. Cell 8, 3071-3083

Construct number

904

Date entered

6.10.97

Constructed by

Milgrom lab

Date constructed

PLASMID NAME

rPR- Δ 638-642

bacterial marker Amp

parent vector
pKSV10 (Pharmacia)

bacterial plasmid

?

other relevant source constructs

Inserts rabbit progesterone receptor (rPR) with deletion of amino acids 638-642.

Reporter gene

Promoter, ???
splice,
PolyA

Comments

Reference

Construct number

907

Date entered

23.10.97

Constructed by

J. Pines lab

Date constructed

1993

PLASMID NAME

pCMX-?

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts Human cyclin A (tagged at the N-terminus with the myc epitope)

Reporter gene

Promoter, CMV
splice,
PolyA SV40 ori

Comments Name of plasmid not clear (pCMX is the name of an expression vector)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

908

Date entered

30.10.97

Constructed by

Jiawei LIU

Date constructed

10.1997

PLASMID NAME

pGBT/GAL4(1-93)ER(496)

alternative name

pGBT/GAL4(1-93)ER(643)

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pGBT9

bacterial plasmid

other relevant source constructs

pHCA/GAL4(1-93).ER

Inserts

yeast GAL4 DNA binding domain (NH2- terminal 93 amino acids) fused to partially deleted hormone binding domain of hER (282-496).

Reporter gene

Promoter,
splice,
PolyA alcohol dehydrogenase 1 (ADH) promoter, driving constitutive expression

Comments

Reference ADH promoter from pGG22 Gill and Ptashne, 1987, Cell 51: 121-126.

DIDIER PICARD LAB, University of Geneva

Construct number

909

Date entered

30.10.97

Constructed by

Jiawei LIU

Date constructed

10.1997

PLASMID NAME

pGBT/GAL4(1-93)ER(427)

alternative name

pGBT/GAL4(1-93)ER(432)

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pGBT9

bacterial plasmid

other relevant source constructs

pHCA/GAL4(1-93).ER

Inserts

yeast GAL4 DNA binding domain (NH2- terminal 93 amino acids) fused to partially deleted hormone binding domain of hER (282-427.....).

Reporter gene

Promoter,
splice,
PolyA alcohol dehydrogenase 1 (ADH) promoter, driving constitutive expression

Comments

Reference ADH promoter from pGG22 Gill and Ptashne, 1987, Cell 51: 121-126.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.10.97

Constructed by Jiawei LIU

Date constructed 10.1997

PLASMID NAME

pGBT/GAL4(1-93)ER(wt)

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pGBT9

bacterial plasmid

other relevant source constructs

pHCA/GAL4(1-93).ER

Inserts yeast GAL4 DNA binding domain (NH₂- terminal 93 amino acids) fused to hormone binding domain of hER (282-595).

Reporter gene

Promoter, splice, PolyA alcohol dehydrogenase 1 (ADH) promoter, driving constitutive expression

Comments

Reference ADH promoter from pGG22 Gill and Ptashne, 1987, Cell 51: 121-126.
Jia Wei Liu, Elisabeth jeannin and Didier Picard
The anti-estrogen hydroxytamoxifen is a potent antagonist in a novel yeast system, 1999, Biol.Chem., Vol. 380, pp. 1341-1345

Construct number

911

Date entered

30.10.97

Constructed by

David B. Donner's lab

Date constructed

PLASMID NAME

pBluescript-TRAP1

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

2.2 kb insert of human TRAP1 cDNA (TNF receptor-associated protein, with strong homology to the 90 kDa family of heat shock proteins)

Reporter gene

Promoter,
splice,
PolyA

Comments

- partial 5' and 3' sequences available
- note that this cDNA clone lacks the very 5' end.
- the orientation is T3 - cDNA - T7

Reference

JBC(1995) 270:8. p3574-3581

Construct number

912

Date entered

3.11.97

Constructed by

Gustafsson lab

Date constructed

PLASMID NAME

pCMV5-hERbeta

bacterial marker Amp

parent vector

pCMV5

bacterial plasmid

other relevant source constructs

Inserts

human estrogen receptor beta short

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.11.97

Constructed by Jiawei LIU

Date constructed 11.1997

PLASMID NAME

pUC/TRAP1(PCR)

bacterial marker Amp

parent vector

bacterial plasmid

pUC18

other relevant source constructs

pBluescript-TRAP1

Inserts

TRAP1 fragment : generated by PCR with Pfu DNA polymerase and pBluescript-TRAP1 as template and the following oligos:
TRAP1-1: 5'-GGCGGATCCAAATGGAGATTCACCTTGCAGACC
-3' (BamH1 site "GGATCC" introduced)
TRAP1-2: 5'-CCCGGGCCTCGCTGGAAAACCTCC-3'

Reporter gene

Promoter,
splice,
PolyA

Comments this is an intermediate for the cloning of the whole length TRAP 1 ("flu-TRAP1")

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

914

Date entered

5.11.97

Constructed by

Pierre-André Briand

Date constructed

5.11.1997

PLASMID NAME

pSG5 HE15

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

HEG0 and PCR fragment

Inserts human estrogen receptor (hER) AA 1-281 (HE15)

Reporter gene

Promoter, - SV40 early promoter.
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference for pSG5: Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

915

Date entered

5.11.97

Constructed by

Pierre-André Briand

Date constructed

5.11.1997

PLASMID NAME

pSG5/HE15(S118A)

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

HE457 and pSG/HE15

Inserts human estrogen receptor (hER) AA 1-281 with point mutation S118A.

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference for pSG5: Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

917

Date entered

5.11.97

Constructed by

Pierre-André Briand

Date constructed

10/2003

PLASMID NAME

HE15(S167A)

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

S167A intermediate and pSG/HE15

Inserts Human estrogen receptor α (ER) AA 1-281 with point mutant S167A.

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference for pSG5: Green et al. (1988) NAR 16, 369.

Construct number

919

Date entered

5.11.97

Constructed by

Marc G. Caron's Lab (Duke)

Date constructed

PLASMID NAME

pCMV5-hD1A

alternative name

pCMV5-D1

bacterial marker

Amp

parent vector

pCMV5

bacterial plasmid

other relevant source constructs

Inserts

1365 bp insert containing the whole coding sequence (1338 bp) of human D1A (dopamine D1A) receptor cloned into EcoR1 and Xba1

Reporter gene

Promoter,
splice,
PolyA

pCMV5 does NOT have an intron splicing cassette
it has an SV40 ori, transcription termination and poly-A (hGH)
it doesn't have a neo resistance gene

Comments

Reference

pCMV5-hD1A(=pCMV5-D1): Dearry et al, 1990 Science 347: 72-76
pCMV5: Andersson et al, JBC 264,14,8222-8229, 1989

DIDIER PICARD LAB, University of Geneva

Construct number

922

Date entered

7.11.97

Constructed by

Pierre-André Briand

Date constructed

7.11.1997

PLASMID NAME

pSG5/HE15(S104/6A)

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

pSG5/S104/6A and pSG/HE15

Inserts

human estrogen receptor (hER) AA 1-281 with point mutations S104A and S106A

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference for pSG5: Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

923

Date entered

10.11.97

Constructed by

Pierre-André Briand

Date constructed

11/97

PLASMID NAME

GAL93.VP16

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSCTEVGal93-LF0

bacterial plasmid

pSP64

other relevant source constructs

pVP16 (VP16 chip)

Inserts

DNA binding domain + dimerization domain of GAL4 (from *S. cerevisiae*)
AA 1-93 fused to VP16

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2 and polyA

Comments

Reference for pSCTEVgal93: see Seipel et al. (1992) EMBO J. 11, 4961

DIDIER PICARD LAB, University of Geneva

Construct number

924

Date entered

10.11.97

Constructed by

Didier Picard

Date constructed

1/98

PLASMID NAME

GAL93.ER(V)

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSCTEVGal93-LF0

bacterial plasmid

pSP64

other relevant source constructs

VA/GCN4.ER, intermediate Gali

Inserts

DNA binding domain + dimerization domain of GAL4 (AA 1-93) fused to hormone binding domain (HBD) of human estrogen receptor (hER) (AA 282-595) with point mutation G400V

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2 and polyA

Comments

Reference for pSCTEVgal93: see Seipel et al. (1992) EMBO J. 11, 4961

DIDIER PICARD LAB, University of Geneva

Construct number

925

Date entered

10.11.97

Constructed by

Didier Picard

Date constructed

1/98

PLASMID NAME

GAL93.ER(L)

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSCTEVGal93-LF0

bacterial plasmid

pSP64

other relevant source constructs

VA/GCN4.ER, L525A, intermediate Gali

Inserts

DNA binding domain + dimerization domain of GAL4 (AA 1-93) fused to hormone binding domain (HBD) of human estrogen receptor (hER) (AA 282-595) with point mutation L525A

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2 and polyA

Comments

Reference - for pSCTEVgal93: see Seipel et al. (1992) EMBO J. 11, 4961
- this plasmid: Maggiolini et al. (2001) Mol. Pharmacol. 60, 595-602.

DIDIER PICARD LAB, University of Geneva

Construct number

926

Date entered

10.11.97

Constructed by

Pierre-André Briand

Date constructed

11/97

PLASMID NAME

pEXF

bacterial marker Amp

parent vector

pUC18

bacterial plasmid

pUC18

other relevant source constructs

pG/ER(G)

Inserts

full-length human estrogen receptor (hER) cDNA with frame-shift in Xmal site in A/B domain

Reporter gene

Promoter,
splice,
PolyA none

Comments Xmal site was filled in with Klenow and religated

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

927

Date entered

10.11.97

Constructed by

Didier Picard

Date constructed

1/98

PLASMID NAME

pNEF/NESER

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pNEF/NES (intermediate)

bacterial plasmid

pBS and BS(+)

other relevant source constructs

pG/ER(G)

Inserts human estrogen receptor (hER) with nuclear export signal at N-terminus

Reporter gene

Promoter,
splice,
PolyA

- human elongation factor 1 α (EF-1 α) promoter.
- first intron from EF-1 α gene.
- SV40 poly A (in late orientation).
- plasmid contains SV40 origin (pos. 5092-128), early promoter same orientation as EF-1 α promoter.

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

928

Date entered

10.11.97

Constructed by

Pierre-André Briand

Date constructed

11/97

PLASMID NAME

pGAD424-SRC1

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pGAD424

bacterial plasmid

pUC

other relevant source constructs

pABGAL147hSRC-1A

Inserts

GAL4 transcriptional activation domain with the SV40 NLS fused to SRC1a (GAL4AD-SRC1)

Reporter gene

Promoter, - ADH1 promoter
splice, - ADH1 terminator
PolyA

Comments

Reference

Jia Wei Liu, Elisabeth Jeannin and Didier Picard. The anti-estrogen hydroxytamoxifen is a potent antagonist in a novel yeast system, 1999, Biol.Chem., Vol. 380, pp. 1341-1345

DIDIER PICARD LAB, University of Geneva

Construct number

929

Date entered

10.11.97

Constructed by

Pierre-André Briand

Date constructed

11/97

PLASMID NAME

pSG5/S294A

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

HEG0, S294A

Inserts full-length human estrogen receptor (hER) with point mutation S294A

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

- expression vector replicates in COS cells.
- mutations were introduced into ER subclone M (NotI-HindIII fragment in BS(+)) by PCR and sequenced.

Reference for pSG5: Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

930

Date entered

10.11.97

Constructed by

Pierre-André Briand

Date constructed

11/97

PLASMID NAME

pSG5/HE15(S118E)

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

HE458 and pSG/HE15

Inserts human estrogen receptor (hER) AA 1-281 with point mutation S118E

Reporter gene

Promoter, - SV40 early promoter.
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference for pSG5: Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

932

Date entered

18.11.97

Constructed by

Pierre-André Briand

Date constructed

5.11.1997

PLASMID NAME

pSG5/HE15(S118A)

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

HE457 and pSG/HE15

Inserts human estrogen receptor (hER) AA 1-281 with point mutation S118A.

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference for pSG5: Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

934

Date entered

18.11.97

Constructed by

Bruno Cenni

Date constructed

12.11.97

PLASMID NAME

pSG5/cPR

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

pSG5 and cPR1

Inserts chicken progesterone (cPR) receptor cDNA, complete coding body

Reporter gene

Promoter, - SV40 early promoter.
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference for pSG5: Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 19.11.97

Constructed by Bruno Cenni

Date constructed 18.11.97

PLASMID NAME

pSG5/hPR

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

pYE10hPR1A

Inserts Human progesterone receptor (hPR)

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference for pSG5: Green et al. (1988) NAR 16, 369.
plasmid itself: Scheidegger et al. (2000) JBC 275, 38921.

DIDIER PICARD LAB, University of Geneva

Construct number

936

Date entered

19.11.97

Constructed by

Bruno Cenni

Date constructed

17.11.97

PLASMID NAME

GAL93.cPR

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSCTEVGal93-LF0

bacterial plasmid

pSP64

other relevant source constructs

PUC18/cPRHBD.1 and pHCA/GAL4(848).
cPRHBD

Inserts

DNA binding domain + dimerization domain of GAL4 (AA 1-93) fused to hormone binding domain (HBD) of chicken progesterone receptor cPR (AA)

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2 and polyA

Comments

Reference for pSCTEVgal93: see Seipel et al. (1992) EMBO J. 11, 4961

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 21.11.97

Constructed by Jiawei LIU

Date constructed 11.1997

PLASMID NAME

pGBT9/GAL4(1-93)ER(341)

alternative name

pGBT9/GAL4(1-93)ER(180)

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pGBT9

bacterial plasmid

other relevant source constructs

pGBT/GAL4(1-93)ER(643)

Inserts yeast GAL4 DNA binding domain (NH2- terminal 93 amino acids) fused to partially deleted hormone binding domain of hER (282-341).

Reporter gene

Promoter,
splice,
PolyA alcohol dehydrogenase 1 (ADH) promoter, driving constitutive expression

Comments

Reference ADH promoter from pGG22 Gill and Ptashne, 1987, Cell 51: 121-126.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 21.11.97

Constructed by Jiawei LIU

Date constructed 11.1997

PLASMID NAME

GST-TRAP1

bacterial marker Amp

parent vector

pGEX1

bacterial plasmid

other relevant source constructs

pGAD GH/TRAP1

Inserts Glutathione S-transferase (GST) fused in frame to a part of TRAP1(TNF receptor-associated protein, with strong homology to the 90 kDa family of heat shock proteins)

Reporter gene

Promoter,
splice,
PolyA IPTG-inducible tac promoter

Comments Probably starts with Q406, but not clear whether this clone has the correct C-terminus.

Reference for pGEX-1: Gene 67 (1988) 31-40

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 24.11.97

Constructed by Jiawei LIU

Date constructed 11.1997

PLASMID NAME

pGBT9(1-93)

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pGBT9

bacterial plasmid

other relevant source constructs

pGBT/GAL4(1-93)ER(wt)

Inserts yeast GAL4 DNA binding domain (NH2- terminal 93 amino acids)

Reporter gene

Promoter,
splice,
PolyA alcohol dehydrogenase 1 (ADH) promoter, driving constitutive expression

Comments

Reference ADH promoter from pGG22 Gill and Ptashne, 1987, Cell 51: 121-126.

DIDIER PICARD LAB, University of Geneva

Construct number

940

Date entered

25.11.97

Constructed by

Rainer Warth

Date constructed

11'97

PLASMID NAME

p2U/His.Hsp82.GST

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U/Hsp82.GST

bacterial plasmid

bluescript

other relevant source constructs

p2U/Hsp82.GST, pG/His.Hsp82

Inserts

cloned by hom. recombination
see thesis (p. 134) of Rainer Warth for details

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

941

Date entered

25.11.97

Constructed by

Received from R. Lefkowitz (Duke)

Date constructed

PLASMID NAME

pRK5

bacterial marker Amp	parent vector
eucaryotic replicon SV40 ori	bacterial plasmid pUC118
	other relevant source constructs

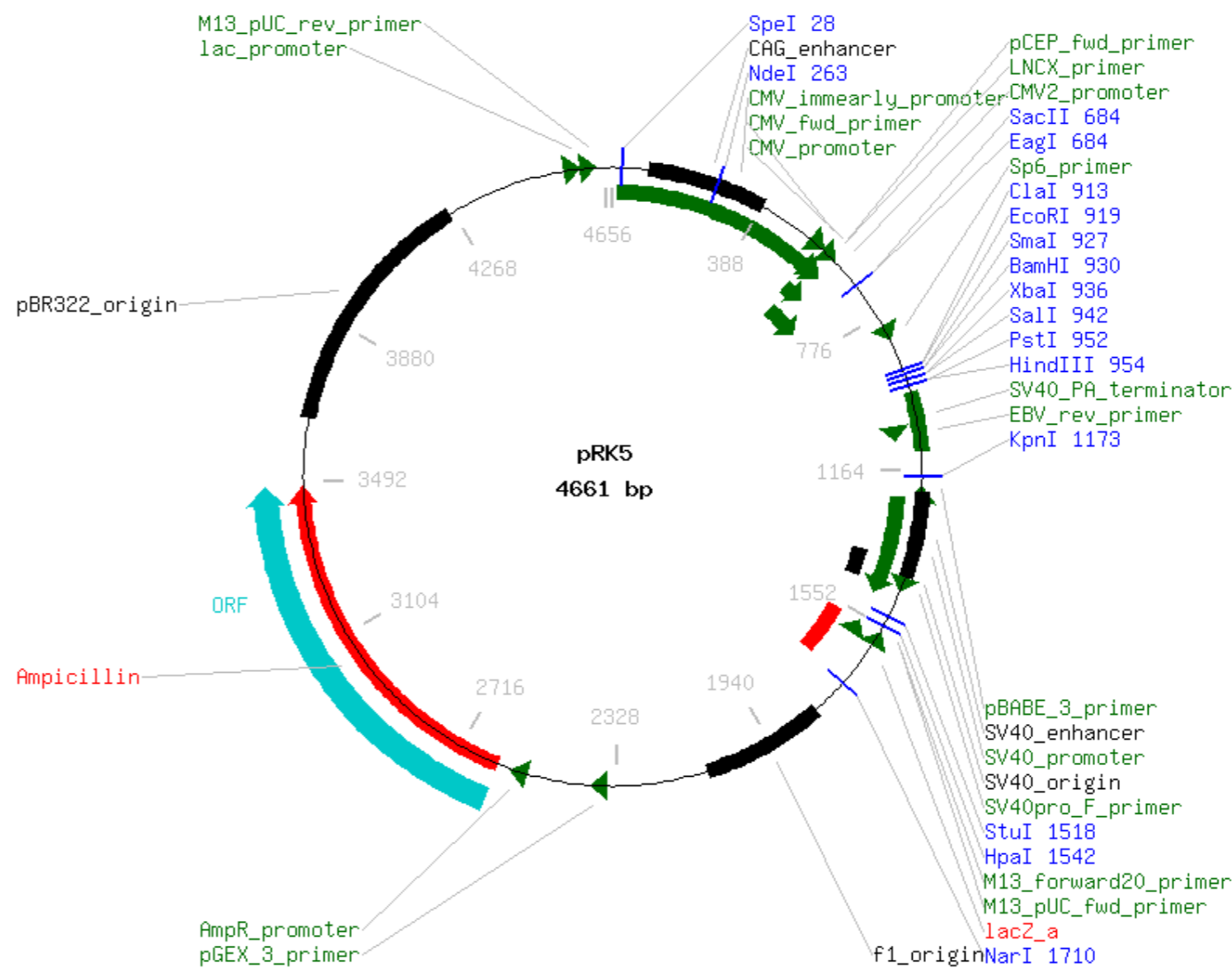
Inserts

Reporter gene

Promoter, CMV promoter
splice, SV40 ori
PolyA SV40 polyA

Comments - Empty vector for pRK-βARK1
 - sequence available (downloaded from Addgene; should be the same vector)

Reference Luttrell LM et al 1993 Science 259: 1453-1457
 Koch WJ et al 1994 J Biol Chem 269(8): 6193-6197



Construct number

942

Date entered

25.11.97

Constructed by

received from R. Lefkowitz (Duke)

Date constructed

PLASMID NAME

pRK- β ARK1

alternative name

pRK- β ARK1-(495-689)

bacterial marker Amp

parent vector

pRK5

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts

β ARK1 cDNA encoding AA G495-L689 in minigene as described in Ref.
Acts as dominant negative beta-gamma G-protein.

Reporter gene

Promoter,
splice,
PolyA

Comments

Do not distribute without R. Lefkowitz's consent and acknowledge him in papers...

Reference

Luttrell LM et al 1993 Science 259: 1453-1457
Koch WJ et al 1994 J Biol Chem 269(8): 6193-6197

Construct number

943

Date entered

26.11.97

Constructed by

Pierre- André Briand

Date constructed

26.11.1997

PLASMID NAME

M(S118E)

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

945

Date entered

3.12.97

Constructed by

Pierre-André Briand

Date constructed

1.12.1997

PLASMID NAME

M/S104/6E-S118E

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

946

Date entered

3.12.97

Constructed by

David Moore lab

Date constructed

PLASMID NAME

Gal4N-RIP13 delta N4

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts contains the NR co-repressor (N-CoR) or RIP13

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

947

Date entered

3.12.97

Constructed by

Stratagene

Date constructed

PLASMID NAME

pNFkB-luc

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

luciferase downstream of a promoter responsive to NF-kB (5x). Sequence of response element: (T GGGGACTTTCC GC)₅

Reporter gene

luciferase

Promoter,
splice,
PolyA

- NFkB response elements upstream of minimal TATA box
- SV40 splice and polyA

Comments sequence available

Reference

Construct number

948

Date entered

3.12.97

Constructed by

Stratagene

Date constructed

PLASMID NAME

pNFkB-luc

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

luciferase downstream of a promoter responsive to NF-kB.

Reporter gene

luciferase

Promoter,
splice,
PolyA

Comments

Reference

Construct number

950

Date entered

11.12.97

Constructed by

P. Philippsen lab

Date constructed

PLASMID NAME

pDP6

bacterial marker Amp

yeast marker LYS2

eucaryotic replicon none

parent vector

pUC19

bacterial plasmid

pUC19

other relevant source constructs

Inserts S. cerevisiae LYS2 gene

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Fleig et al. (1986) Gene 46, 237-245.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 11.12.97

Constructed by toufik

Date constructed 12.97

PLASMID NAME

psp73/KSS1

bacterial marker Amp

parent vector

psp73

bacterial plasmid

psp73

other relevant source constructs

psp73

Inserts KSS1 ORF obtained by PCR (Taq).

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 11.12.97

Constructed by toufik

Date constructed 12.97

PLASMID NAME

psp73/KSS1-TRP1-KSS1

bacterial marker Amp

parent vector

psp73

bacterial plasmid

other relevant source constructs

psp73/KSS1

Inserts TRP1 (yeast marker from pG-1 vector) introduced in5' of the SSK1 ORF to generate a SSK1 K.O. in yeast

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

953

Date entered

16.12.97

Constructed by

Pierre-André Briand

Date constructed

16.12.1997

PLASMID NAME

pSG5 ER S104/6E-S118E

alternative name

pSG5-ER(3xE)

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5/HE15

bacterial plasmid

Bluescribe M13+

other relevant source constructs

HEG0, M/S104/6E-S118E

Inserts full-length human estrogen receptor (hER) with triple mutation S104E / S106E / S118E.

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

- expression vector replicates in COS cells.
- mutations were introduced by PCR into subclone (-> M/S104/6E-S118E) and sequenced

Reference for pSG5 vector: Green et al. (1988) NAR 16, 369.
for this plasmid: Gburcik et al. (2005), MCB 25: 3421

Construct number

955

Date entered

7.1.98

Constructed by

Bart von Der Burg (Parker Lab)

Date constructed

PLASMID NAME

ERE-E1b TATA-Luc

bacterial marker Amp

parent vector

pLUC

bacterial plasmid

other relevant source constructs

Inserts

luciferase gene under the control of an ERE with the E1b TATA box (minimal promoter)

Reporter gene

luciferase

Promoter,
splice,
PolyA

Comments

Reference

Construct number

956

Date entered

9.1.98

Constructed by

Stratagene

Date constructed

PLASMID NAME

pCRE-Luc

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts CRE 4x (AGCC TGACGTCA GAG) and TATATA

Reporter gene luciferase

Promoter, - CRE 4x (AGCC TGACGTCA GAG) and TATATA
splice, - SV40 splice and polyA
PolyA

Comments sequence available

Reference

Construct number

957

Date entered

9.1.98

Constructed by

Stratagene

Date constructed

PLASMID NAME

pFC-PKA

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts PKA catalytic subunit

Reporter gene

Promoter,
splice,
PolyA CMV promoter, sv40 polyA

Comments

Reference

Construct number

958

Date entered

13.1.98

Constructed by

?

Date constructed

PLASMID NAME

GAL-HO-TRP1

alternative name

DV253

bacterial marker

Amp

parent vector

bacterial plasmid

yeast marker

TRP1

other relevant source constructs

eucaryotic replicon

2 μ or CEN

Inserts

S. cerevisiae HO endonuclease

Reporter gene

Promoter,
splice,
PolyA

GAL (galactose-inducible)

Comments

obtained from David Shore

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

959

Date entered

13.1.98

Constructed by

Bruno Cenni

Date constructed

PLASMID NAME

GAL848.cPR

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSCTEVGal93-LF0

bacterial plasmid

pSP64

other relevant source constructs

pHCA/GAL4(848).cPRHBD

Inserts

GAL4 (AA 1-848) fused to hormone binding domain (HBD) of chicken progesterone receptor (AA 495-786)

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2 and polyA

Comments

Reference for pSCTEVgal93: see Seipel et al. (1992) EMBO J. 11, 4961

DIDIER PICARD LAB, University of Geneva

Construct number

960

Date entered

13.1.98

Constructed by

Bruno Cenni

Date constructed

PLASMID NAME

GAL848.ER(G)

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSCTEVGal93-LF0

bacterial plasmid

pSP64

other relevant source constructs

pHCA/GAL4(848).ER(G)

pG/ER(G)

Inserts

GAL4 (AA 1-848) fused to hormone binding domain (HBD) of wild-type (G400) human estrogen receptor (hER) (AA 282-595)

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2 and polyA

Comments

Reference for pSCTEVgal93: see Seipel et al. (1992) EMBO J. 11, 4961
for Gal848.ER(G): Maggiolini et al. (1999) Cancer Res. 59, 4864-4869.

DIDIER PICARD LAB, University of Geneva

Construct number

961

Date entered

13.1.98

Constructed by

Bruno Cenni

Date constructed

PLASMID NAME

GAL848.ER(V)

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSCTEVGal93-LF0

bacterial plasmid

pSP64

other relevant source constructs

pHCA/GAL4(848).ER(G)

pG/hER

Inserts

GAL4 (AA 1-848) fused to hormone binding domain (HBD) of human estrogen receptor (hER) (AA 282-595) with point mutation G400V

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2 and polyA

Comments

Reference for pSCTEVgal93: see Seipel et al. (1992) EMBO J. 11, 4961

DIDIER PICARD LAB, University of Geneva

Construct number

962

Date entered

13.1.98

Constructed by

Bruno Cenni

Date constructed

PLASMID NAME

pSG5/cPR.GR

bacterial marker Amp

SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

p6RGRLS9
PUC18(3xstop)/cPR-NH2

Inserts

chicken progesterone (cPR) receptor cDNA aminotermius (AA 1-496) fused to rat glucocorticoid receptor (rGR) hormone binding domain (AA 506-795)

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference for pSG5: Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

963

Date entered

13.1.98

Constructed by

Bruno Cenni

Date constructed

PLASMID NAME

GAL848

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSCTEV

bacterial plasmid

pSP64

other relevant source constructs

pHCA/GAL4(848).cPRHBD

Inserts Almost full-length GAL4 (AA 1-848=AA 1-93 fused to AA 94-848)

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2 and polyA

Comments - should be a strong activator in mammalian cells

Reference for pSCTEVgal93: see Seipel et al. (1992) EMBO J. 11, 4961

Construct number

964

Date entered

16.1.98

Constructed by

Billadello Lab (Wash. U. St. Louis)

Date constructed

PLASMID NAME

pMAMneo-HA-Gsalpha*

bacterial marker Amp+Kan

vertebrate marker Neo (G418)

parent vector

pMAMneo

bacterial plasmid

pBR322

other relevant source constructs

Inserts

rat Gsalpha cDNA with R201C point mutation and HA tag. R201C inhibits intrinsic GTPase activity, rendering the Gsalpha constitutively active. Has HA-Gsalpha* under control of dexamethasone-inducible MMTV-LTR. cDNA was originally subcloned in pBluescript SKII (SpeI/HindIII) and inserted into pMAMneo (Clontech) as Sall fragment.

Reporter gene

Promoter, SV40 splice and polyA
splice,
PolyA

Comments

Reference

pMAMneo-HA-Gsalpha* from J. Billadello: Tsai et al 1997, JCI 99(1):67-76
original cDNA from H. Bourne (UCSF, he gave permission to use it): Levis et al 1992, JCB 119:1297-1307

DIDIER PICARD LAB, University of Geneva

Construct number

965

Date entered

28.1.98

Constructed by

Didier Picard

Date constructed

1/98

PLASMID NAME

pTCA/GLys

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pRS314

bacterial plasmid

Bluescript

other relevant source constructs

pDP6, pTCA/GZ

Inserts LYS2 under control of GRE

Reporter gene LYS2

Promoter,
splice,
PolyA 3xGRE upstream of minimal CYC1 promoter (TATA region)

Comments Bam HI site introduced at 5' end of LYS2 ORF by PCR

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

966

Date entered

28.1.98

Constructed by

Didier Picard

Date constructed

1/98

PLASMID NAME

pNEF/NESER(V)

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pNEF/NES (intermediate)

bacterial plasmid

pBS and BS(+)

other relevant source constructs

pG/hER

Inserts

human estrogen receptor (hER) with nuclear export signal at N-terminus;
Val400 mutant of ER

Reporter gene

Promoter,
splice,
PolyA

- human elongation factor 1 α (EF-1 α) promoter.
- first intron from EF-1 α gene.
- SV40 poly A (in late orientation).
- plasmid contains SV40 origin (pos. 5092-128), early promoter same orientation as EF-1 α promoter.

Comments

Reference

Construct number

967

Date entered

2.2.98

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

968

Date entered

2.2.98

Constructed by

Saito lab

Date constructed

PLASMID NAME

pDSS24

ssk2:LEU2

bacterial marker

Amp

parent vector

bluescriptSK(+)

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

969

Date entered

2.2.98

Constructed by

saito lab

Date constructed

PLASMID NAME

pDYC734

ssk22:LEU2

bacterial marker

Amp

parent vector

BluescriptSK(+)

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

970

Date entered

2.2.98

Constructed by

saito lab

Date constructed

PLASMID NAME

pSSK258

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pRS416

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

971

Date entered

2.2.98

Constructed by

saito lab

Date constructed

PLASMID NAME

pYCR732

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pRS415

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

972

Date entered

10.2.98

Constructed by

Van den Heuvel (gift from Nigg)

Date constructed

PLASMID NAME

pCMVRb (Bam)

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

human retinoblastoma (high expression level)

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments

Reference

Construct number

973

Date entered

10.2.98

Constructed by

from Nigg lab

Date constructed

PLASMID NAME

pCMVcRB

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

chicken(?) retinoblastoma (low level expression)

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

974

Date entered

19.2.98

Constructed by

Rainer Warth

Date constructed

10.1.98

PLASMID NAME

pG/GST.SRB9-271;1375

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon

parent vector

pG-1

bacterial plasmid

other relevant source constructs

Inserts

full-length SRB9
for details see sequence part of this record

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

975

Date entered

19.2.98

Constructed by

Rainer Warth

Date constructed

11.1.98

PLASMID NAME

pBS/GST.SRB9-271;1375

bacterial marker Amp

parent vector

pBS

bacterial plasmid

other relevant source constructs

Inserts

full-length SRB9

(for DNA sequence see sequence part of this record

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

976

Date entered

19.2.98

Constructed by

Rainer Warth

Date constructed

12.1.98

PLASMID NAME

pET/SRB9-271;1375

bacterial marker Amp

parent vector

pET-15b

bacterial plasmid

other relevant source constructs

Inserts full length SRB9 in pET vector

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

977

Date entered

27.2.98

Constructed by

Didier Picard

Date constructed

2/98

PLASMID NAME

pNEF/NESER(C)

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pNEF/NES (intermediate)

bacterial plasmid

pBS and BS(+)

other relevant source constructs

pG/ER(G), pNEF/F65.C447S

Inserts

human estrogen receptor (hER) with nuclear export signal at N-terminus;
C447S mutant of ER

Reporter gene

Promoter,
splice,
PolyA

- human elongation factor 1 α (EF-1 α) promoter.
- first intron from EF-1 α gene.
- SV40 poly A (in late orientation).
- plasmid contains SV40 origin (pos. 5092-128), early promoter same orientation as EF-1 α promoter.

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

978

Date entered

27.2.98

Constructed by

Didier Picard

Date constructed

2/98

PLASMID NAME

pNEF/NES.cPR

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pNEF/NES (intermediate)

bacterial plasmid

pBS and BS(+)

other relevant source constructs

F65.cPR

Inserts

chicken progesterone receptor (cPR) with nuclear export signal at N-terminus

Reporter gene

Promoter,
splice,
PolyA

- human elongation factor 1 α (EF-1 α) promoter.
- first intron from EF-1 α gene.
- SV40 poly A (in late orientation).
- plasmid contains SV40 origin (pos. 5092-128), early promoter same orientation as EF-1 α promoter.

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

979

Date entered

27.2.98

Constructed by

Didier Picard

Date constructed

2/98

PLASMID NAME

pGADY'

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pGAD424

bacterial plasmid

pUC

other relevant source constructs

plasmid 1.12

Inserts

GAL4 transcriptional activation domain with the SV40 NLS fused to AA 12-333 of *S. cerevisiae* ORF YBL113C (a Y' element).

Reporter gene

Promoter, - ADH1 promoter
splice, - ADH1 terminator
PolyA

Comments

parent vector 1.12 was found as a prey plasmid in a 2-hybrid screen with Cyp40.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

980

Date entered

27.2.98

Constructed by

Didier Picard

Date constructed

2/98

PLASMID NAME

pGADUBP7

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pGAD424

bacterial plasmid

pUC

other relevant source constructs

plasmid 11.6

Inserts

GAL4 transcriptional activation domain with the SV40 NLS fused to AA 180-643 of *S. cerevisiae* protein Ubp7

Reporter gene

Promoter, - ADH1 promoter
splice, - ADH1 terminator
PolyA

Comments

parent vector 11.6 was found as a prey plasmid in a 2-hybrid screen with Cyp40.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

981

Date entered

27.2.98

Constructed by

Didier Picard

Date constructed

2/98

PLASMID NAME

pGADJSN1

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pGAD424

bacterial plasmid

pUC

other relevant source constructs

plasmid 26.8

Inserts

GAL4 transcriptional activation domain with the SV40 NLS fused to AA 108-810 of *S. cerevisiae* protein Jsn1

Reporter gene

Promoter, - ADH1 promoter
splice, - ADH1 terminator
PolyA

Comments

parent vector 26.8 was found as a prey plasmid in a 2-hybrid screen with Cyp40.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

982

Date entered

27.2.98

Constructed by

Didier Picard

Date constructed

2/98

PLASMID NAME

pGADSRB9

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pGAD424

bacterial plasmid

pUC

other relevant source constructs

plasmid 4.3

Inserts

SV40 NLS - B42 activation region - HA1 epitope fused to AA 271-1375 of S. cerevisiae protein Srb9

Reporter gene

Promoter, - ADH1 promoter
splice, - ADH1 terminator
PolyA

Comments

parent vector 4.3 was found as a prey plasmid in a 2-hybrid screen with Cyp40.

GAL4 activation domain of pGAD424 has been excised!

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 27.2.98

Constructed by Jiawei LIU

Date constructed 2.1998

PLASMID NAME

TRAP1-II

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pRS426

bacterial plasmid

Bluescript II SK+

other relevant source constructs

pBluescript-TRAP1

Inserts TRAP1 (TNF receptor-associated protein, with strong homology to the 90 kDa family of heat shock proteins)

Reporter gene

Promoter,
splice,
PolyA

Comments Intermediate construction for flu-TRAP1(full length)

Reference -for pBluescript-TRAP1: Vol.270, No.8, issue of February 24, pp.3574-3581, 1995

DIDIER PICARD LAB, University of Geneva

Construct number 984

Date entered 27.2.98

Constructed by Jiawei LIU

Date constructed 2.1998

PLASMID NAME

flu-TRAP1(full.483)

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

TRAP1-II

bacterial plasmid

other relevant source constructs

pUC/TRAP1(PCR), p2TG/flu hsp82

Inserts Full length TRAP1(TNF receptor-associated protein, with strong homology to the 90 kDa family of heat shock proteins) sequence preceded by the flu epitope (Anti-flu: 12CA5 α HA, mouse)

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference -for pBluescript-TRAP1: Vol.270, No.8, issue of February 24, pp.3574-3581, 1995

Construct number

985

Date entered

3.3.98

Constructed by

Peter Piper lab

Date constructed

PLASMID NAME

YCplac111/Hsp82(D79W)

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

YCplac111

bacterial plasmid

pUC

other relevant source constructs

Inserts Yeast (*S. cerevisiae*) Hsp82 with D79W mutation

Reporter gene

Promoter,
splice,
PolyA HSP82 promoter

Comments BamHI fragment with HSP82 gene.

Reference

Construct number

986

Date entered

3.3.98

Constructed by

Peter Piper lab

Date constructed

PLASMID NAME

YCplac111/Hsp82(D79N)

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

YCplac111

bacterial plasmid

pUC

other relevant source constructs

Inserts Yeast (*S. cerevisiae*) Hsp82 with D79N mutation

Reporter gene

Promoter,
splice,
PolyA HSP82 promoter

Comments BamHI fragment with HSP82 gene.

Reference

Construct number

987

Date entered

3.3.98

Constructed by

Peter Piper lab

Date constructed

PLASMID NAME

YCplac111/Hsp82(E33Q)

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

YCplac111

bacterial plasmid

pUC

other relevant source constructs

Inserts

Yeast (*S. cerevisiae*) Hsp82 with E33Q mutation

Reporter gene

Promoter,
splice,
PolyA HSP82 promoter

Comments

BamHI fragment with HSP82 gene.

Reference

Construct number

988

Date entered

3.3.98

Constructed by

Peter Piper lab

Date constructed

PLASMID NAME

YCplac111/Hsp82(E33A)

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

YCplac111

bacterial plasmid

pUC

other relevant source constructs

Inserts Yeast (*S. cerevisiae*) Hsp82 with E33A mutation

Reporter gene

Promoter,
splice,
PolyA HSP82 promoter

Comments BamHI fragment with HSP82 gene.

Reference

Construct number

989

Date entered

3.3.98

Constructed by

Peter Piper lab

Date constructed

PLASMID NAME

YCplac111/Hsp82(D79R)

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

YCplac111

bacterial plasmid

pUC

other relevant source constructs

Inserts

Yeast (*S. cerevisiae*) Hsp82 with D79R mutation

Reporter gene

Promoter,
splice,
PolyA HSP82 promoter

Comments BamHI fragment with HSP82 gene.

Reference

Construct number

990

Date entered

3.3.98

Constructed by

Peter Piper lab

Date constructed

PLASMID NAME

YCplac111/Hsp82

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

YCplac111

bacterial plasmid

pUC

other relevant source constructs

Inserts Yeast (*S. cerevisiae*) wild-type Hsp82

Reporter gene

Promoter,
splice,
PolyA HSP82 promoter

Comments BamHI fragment with HSP82 gene.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.3.98

Constructed by Olivier Donzé

Date constructed 28/1/98

PLASMID NAME

pTCAHE15wt

bacterial marker

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pTCAhsp82deIN 250 VP16

bacterial plasmid

other relevant source constructs

Inserts fragment 1-281 from human ER (called HE15)

Reporter gene

Promoter,
splice,
PolyA ADH

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.3.98

Constructed by Olivier Donzé

Date constructed 28/1/98

PLASMID NAME

pTCA HE15 104/6/118E

bacterial marker

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pTCAhsp82 DelN250 VP16

bacterial plasmid

other relevant source constructs

Inserts Fragment 1-281 from human ER containing 3 mutations ser-to-glu at position 104, 106 and 118.

Reporter gene

Promoter,
splice,
PolyA ADH

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.3.98

Constructed by Olivier Donzé

Date constructed 11/12/98

PLASMID NAME

pG1HE15wt

bacterial marker

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

other relevant source constructs

Inserts HE15 (1-281 from human ER)

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

994

Date entered

3.3.98

Constructed by

Olivier Donzé

Date constructed

PLASMID NAME

pG1/cdc37

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG/ER

bacterial plasmid

other relevant source constructs

Inserts cdc37

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference Abbas-Terki T. *et al.* The molecular chaperone Cdc37 is required for Ste11 function and pheromone-induced cell cycle arrest. FEBS Lett. 2000 Feb 4;467(1):111-116.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.3.98

Constructed by Olivier Donzé

Date constructed 16/5/97

PLASMID NAME

pYes/GST.Cdc37

bacterial marker

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYesGSTE5 (hsp82)

bacterial plasmid

other relevant source constructs

Inserts GST fused in frame to cdc37

Reporter gene

Promoter,
splice,
PolyA GAL1

Comments

Reference Abbas-Terki T. *et al.* The molecular chaperone Cdc37 is required for Ste11 function and pheromone-induced cell cycle arrest. FEBS Lett. 2000 Feb 4;467(1):111-116.

Construct number

1001

Date entered

3.3.98

Constructed by

Peter Piper lab

Date constructed

PLASMID NAME

YeEplac195/hsc82

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts 5.5 Kb BamHI fragment (-1350 to +4150 of Hsc82).

Reporter gene

Promoter,
splice,
PolyA Hsc82 promoter

Comments

Reference

Construct number

Date entered 3.3.98

Constructed by Olivier Donzé

Date constructed 3/3/98

PLASMID NAME

pYesGSTGcn2

bacterial marker

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYes2

bacterial plasmid

other relevant source constructs

Inserts GSTGcn2

Reporter gene

Promoter, Gal1
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 15.4.02

Constructed by Valentina Gburcik

Date constructed 15/04/2002

PLASMID NAME

pSG5 ER(104/6A/118A)

alternative name

pSG5-ER(3xA)

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts Full length (estrogen) ER containing 3 mutations ser-to-ala at positions 104, 106 and 118.

Reporter gene

Promoter, SV40
splice,
PolyA

Comments

Reference Gburcik et al. (2005), MCB 25: 3421

Construct number

999

Date entered

3.3.98

Constructed by

Olivier Donzé

Date constructed

12/12/97

PLASMID NAME

pSG5ER(104/6E/118A)

bacterial marker Amp

parent vector

HEG0

bacterial plasmid

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts full length human ER containing point mutations 104/6E and 118A.

Reporter gene

Promoter,
splice,
PolyA SV40

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.10.99

Constructed by Didier Picard

Date constructed 10/99

PLASMID NAME

p2U/GST.Cpr7

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U/GST-2

bacterial plasmid

BS

other relevant source constructs

pGEX/Cpr7, pBS/Cpr7

Inserts GST fused to full-length Cpr7

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments

Reference for p2U/GST-2: Warth et al. (1997) Biol. Chem., 378, 381-391.
this plasmid: Abbas-Terki et al. (2001) Mol. Cell. Biol. 21, 7569-7575.

Construct number

1002

Date entered

11.3.98

Constructed by

Leonard Zon Lab

Date constructed

PLASMID NAME

pEBG-SEK1

bacterial marker Amp

parent vector

pEBG

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts

Wild-type SEK1 as GST fusion

Reporter gene

Promoter,
splice,
PolyA

EF-1 alpha promoter
SV40 ori
GST with thrombin cleavage site

Comments

Reference

Sanchez I et al Nature 1994 V372: 794-798

Construct number

1003

Date entered

11.3.98

Constructed by

Leonard Zon Lab

Date constructed

PLASMID NAME

pEBG-SEK1(K-R)

bacterial marker Amp

parent vector

pEBG

bacterial plasmid

other relevant source constructs

Inserts

Dominant-negative SEK1 with point mutation K129 to R (kinase inactivation) as GST fusion

Reporter gene

Promoter,
splice,
PolyA

EF-1 alpha

Comments

Reference Sanchez I et al Nature 1994 V372: 794-798

Construct number

1006

Date entered

11.3.98

Constructed by

Eisuke Nishida's Lab

Date constructed

PLASMID NAME

pSRalpha-HA-LA-SDSE-MAPKK

bacterial marker Amp

parent vector
pSRalphaHA3
bacterial plasmid

other relevant source constructs

Inserts

HA tagged Xenopus MAPKK (MEK) cDNA with mutations: L33 and L37 to A to disrupt NES, S218 to D and S222 to E to make constitutive active mutant.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference M. Fukuda et al. JBC 1997 272(51):32642-8

Construct number

1007

Date entered

12.3.98

Constructed by

Ravi Yiengar's Lab

Date constructed

PLASMID NAME

pSKAC-alpha*q-flag

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

G-protein alpha q with Q209L mutation to render it constitutive fused to the flag epitope. The pSKAC vector is a shuttle vector, no mammalian expression.

The Gqalpha*-flag can be excised with NotI (3' of Gq*) and SmaI/KpnI/BamHI (5' of Gq*), since NotI also cuts 800 bp upstream of Gq* the 1.1 kb fragment is Gq*. There is also a non-unique XbaI 3' of Gq*.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference DeVivo M et al JBC 1992 V267(26): 18263-6

DIDIER PICARD LAB, University of Geneva

Construct number

1008

Date entered

13.3.98

Constructed by

Didier Picard

Date constructed

3/98

PLASMID NAME

ER(V). α

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSCT-ZN85

bacterial plasmid

pSP64

other relevant source constructs

pG1/ER α

Inserts

human estrogen receptor hormone binding domain (ER HBD) (AA 282-576) with G400V mutation fused to alpha peptide (AA 1-85) of β -galactosidase

Reporter gene

Promoter, - CMV promoter and leader
splice, - rabbit β -globin splice and polyA
PolyA

Comments PCR was used to introduce BamHI and AUG upstream of codon 282.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.3.98

Constructed by Didier Picard

Date constructed 3/98

PLASMID NAME

ER(L). α

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector
pSCT-ZN85

bacterial plasmid
pSP64

other relevant source constructs
pG1/ER α

Inserts human estrogen receptor hormone binding domain (ER HBD) (AA 282-576) with L525A mutation fused to alpha peptide (AA 1-85) of β -galactosidase

Reporter gene

Promoter, - CMV promoter and leader
splice, - rabbit β -globin splice and polyA
PolyA

Comments PCR was used to introduce BamHI and AUG upstream of codon 282.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1010

Date entered

17.3.98

Constructed by

Bruno Cenni

Date constructed

17.3.98

PLASMID NAME

pNEF/Galpha*q-flag

bacterial marker Amp

parent vector

pNEF

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

pSKAC-alpha*q-flag

Inserts

G-protein alpha q with Q209L mutation to render it constitutive, fused to the flag epitope (Use Kodak M2 antibody).

Reporter gene

Promoter,
splice,
PolyA

- human elongation factor 1 α (EF-1 α) promoter.
- first intron from EF-1 α gene.
- SV40 poly A (in late orientation).
- plasmid contains SV40 origin (pos. 5092-128), early promoter same orientation as EF-1 α promoter.

Comments

Reference for pEF-BOS: Mizushima and Nagata (1990) NAR **18**, 5322.
for Galpha*q: DeVivo M et al JBC 1992 V267(26): 18263-6

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 17.3.98

Constructed by Bruno Cenni

Date constructed 17.3.98

PLASMID NAME

pNEF/HA-Gsalpha*

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pNEF

bacterial plasmid

other relevant source constructs

pMAMneo-HA-Gsalpha*

Inserts rat Gsalpha cDNA with R201C point mutation and HA tag. R201C inhibits intrinsic GTPase activity, rendering the Gsalpha constitutively active. (Use Boehringer 12CA5 antibody)

Reporter gene

Promoter,
splice,
PolyA

- human elongation factor 1 α (EF-1 α) promoter.
- first intron from EF-1 α gene.
- SV40 poly A (in late orientation).
- plasmid contains SV40 origin (pos. 5092-128), early promoter same orientation as EF-1 α promoter.

Comments

Reference pMAMneo-HA-Gsalpha* from J. Billadello: Tsai et al 1997, JCI 99(1):67-76.
Original Gs* cDNA from H. Bourne (UCSF, he gave permission to use it):
Levis et al 1992, JCB 119:1297-1307
for pEF-BOS: Mizushima and Nagata (1990) NAR 18, 5322.

Construct number

1012

Date entered

23.3.98

Constructed by

Malcolm Parker lab

Date constructed

PLASMID NAME

pBL1-RIP140 935-944

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

pBL1

bacterial plasmid

other relevant source constructs

Inserts

F domain of human estrogen receptor (hER) fused to DNA binding domain of hER fused to RIP140 AA 935-944 (VLKQLLSEN).

Reporter gene

Promoter,
splice,
PolyA ?

Comments

Reference

Heery et al. (1997) Nature 387, 733-736
for pBL1: Le Douarin et al. (1995) NAR 23, 876

Construct number

1013

Date entered

9.4.98

Constructed by

M. Privalsky

Date constructed

PLASMID NAME

pSG5-v-erbB

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

v-erbB (EGF receptor like encoded by the avian erythroblastosis virus)

Reporter gene

Promoter,
splice,
PolyA

SV40

Comments

Reference

Construct number

1015

Date entered

21.4.98

Constructed by

P.A. Briand

Date constructed

21/4/98

PLASMID NAME

pSG5/ERΔN

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

other relevant source constructs

pYES ERΔN(G)

Inserts human estrogen receptor (amino acids 1-180 deleted) (=HE19) (G400)

Reporter gene

Promoter,
splice,
PolyA SV40

Comments

Reference

Construct number

1016

Date entered

22.4.98

Constructed by

P.A. Briand

Date constructed

22/4/98

PLASMID NAME

pSCTEV Gal93-AF1

alternative name

Gal4.ER(A/B)

bacterial marker

Amp

parent vector

pSCTEV gal93-LF2

bacterial plasmid

other relevant source constructs

Inserts

insert of human estrogen receptor AF-1 (amino acids 82-152 fused to the Gal4 DNA binding domain 1-93)

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments

Reference

Construct number

1017

Date entered

22.4.98

Constructed by

P.A. Briand

Date constructed

22.4.98

PLASMID NAME

pSCTEV Gal93-AF1(3xE)

bacterial marker

parent vector

pSCTEV gal93-LF2

bacterial plasmid

other relevant source constructs

Inserts

insert of human estrogen receptor AF-1 (amino acids 82-152 fused to the Gal4 DNA binding domain 1-93) with mutations 104/106/118E.

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments

Reference

Construct number

1018

Date entered

27.4.98

Constructed by

recvd from D. McDonnell

Date constructed

PLASMID NAME

phPR-B

bacterial marker Amp

parent vector

pUC8

bacterial plasmid

other relevant source constructs

Inserts

Human progesterone receptor B (and hPR-A)

Reporter gene

Promoter,
splice,
PolyA

SV40 enhancer/hMTII promoter
hGH polyA

Comments

Reference

Construct number

1019

Date entered

27.4.98

Constructed by

Recvd from D. McDonnell

Date constructed

PLASMID NAME

PRE-TATA-Luc

bacterial marker Amp

parent vector

pGL2

bacterial plasmid

other relevant source constructs

Inserts

Progesterone response elements (PRE) oligos

Reporter gene

luciferase

Promoter,
splice,
PolyA

PRE-TATA

Comments

Reference

Construct number

1021

Date entered

5.5.98

Constructed by

Natasha Kralli

Date constructed

PLASMID NAME

ptGT3CAN1

bacterial marker

parent vector

bacterial plasmid

?

other relevant source constructs

Inserts

GRE-CYC1 embedded in CAN1 5' flank and beginning of coding sequences. GRE-CYC1 replaces CAN1 promoter

Reporter gene

Promoter,
splice,
PolyA

GRE with TATA region of CYC1

Comments

allows replacement of CAN1 promoter with GRE-CYC1 by homologous recombination.

Reference

Construct number

1022

Date entered

6.5.98

Constructed by

Frank Burton (U Minnesota)

Date constructed

PLASMID NAME

GH-CT

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Cholera toxin A subunit cassette under control of GH promoter. Cut out CT cassette with BamHI (600bp).

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Burton F et al Nature 350 p.74

Construct number

1023

Date entered

7.5.98

Constructed by

A. Maggi lab

Date constructed

PLASMID NAME

pRAS leu 61

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts RAS constitutively active mutant

Reporter gene

Promoter,
splice,
PolyA RSV LTR

Comments Ref. Mol. Endo, Patrone et al. 1998 in Press

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1024

Date entered

12.5.98

Constructed by

Bruno Cenni

Date constructed

PLASMID NAME

pSG5/CT

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

GH-CT

Inserts Cholera toxin A subunit cassette.

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

Reference For pSG5: Green et al. (1988) NAR 16, 369.
For CT in GH-CT: Burton F et al Nature 350 p.74

Construct number

1025

Date entered

13.5.98

Constructed by

Nick Grammatikakis

Date constructed

2001

PLASMID NAME

pSG5-Lf

alternative name

Cdc37B

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts

alternate human Cdc37 cDNA coding for a 36 kD (natural "dominant-negative" form) and by splicing a 54 kD protein.

FLAG tag at N-terminus

p50

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

Reference

Construct number

1026

Date entered

13.5.98

Constructed by

Nick Grammatikakis

Date constructed

PLASMID NAME

pSG5-Sf

alternative name

Cdc37 α

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts

human Cdc37 cDNA coding for the "normal" 50 kD protein.

FLAG tag at N-terminus

p50

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1027

Date entered

22.5.98

Constructed by

Rainer Warth

Date constructed

18.5.98

PLASMID NAME

pET/GST

bacterial marker

Amp

parent vector

pET15b

bacterial plasmid

other relevant source constructs

Inserts

this vector is used to obtain a His-tagged GST
(Sequence available !!!)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

1028

Date entered

24.5.98

Constructed by

NEB

Date constructed

PLASMID NAME

pCYB1

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts AUG- multicloning site - intein - chitin binding domain (IMPACT system).
Plasmid also contains LacIq.

Reporter gene

Promoter, IPTG-inducible Ptac promoter
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 27.5.98

Constructed by Rainer Warth

Date constructed 27.5.1998

PLASMID NAME

pG/HIS.GST

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG-4

bacterial plasmid

other relevant source constructs

Inserts GST protein with 6xHis-tag from pET15b vector
(sequence of His.GST available)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 1030

Date entered 2.6.98

Constructed by Jiawei LIU

Date constructed 05.1998

PLASMID NAME

flu-TRAP1(NN)

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

pRS423

bacterial plasmid

other relevant source constructs

pBluescript-TRAP1, p2TG/flu hsp82

Inserts Full length TRAP1(TNF receptor-associated protein, with strong homology to the 90 kDa family of heat shock proteins) sequence preceded by the flu epitope (Anti-flu: 12CA5 α HA, mouse).

Reporter gene

Promoter,
splice,
PolyA

Comments -This "full length" begins from the far N-terminus end RALRR...

Reference -for pBluescript-TRAP1: Vol.270, No.8, issue of February 24, pp.3574-3581, 1995

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.6.98

Constructed by Jiawei LIU

Date constructed 05.1998

PLASMID NAME

flu-TRAP1(NSTQ-2)

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

pRS423

bacterial plasmid

other relevant source constructs

pBluescript-TRAP1, p2TG/flu hsp82

Inserts Full length TRAP1(TNF receptor-associated protein, with strong homology to the 90 kDa family of heat shock proteins) sequence preceded by the flu epitope (Anti-flu: 12CA5 α HA, mouse).

Reporter gene

Promoter,
splice,
PolyA

Comments -This "full length" begins from the N-terminus end STQ...

Reference -for pBluescript-TRAP1: Vol.270, No.8, issue of February 24, pp.3574-3581, 1995

DIDIER PICARD LAB, University of Geneva

Construct number 1023

Date entered 4.6.98

Constructed by Jiawei LIU

Date constructed 05.1998

PLASMID NAME

flu-TRAP1(NSTQ-NN)

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

pRS423

bacterial plasmid

other relevant source constructs

pBluescript-TRAP1, p2TG/flu hsp82

Inserts Full length TRAP1(TNF receptor-associated protein, with strong homology to the 90 kDa family of heat shock proteins) sequence preceded by the flu epitope (Anti-flu: 12CA5 α HA, mouse).

Reporter gene

Promoter,
splice,
PolyA

Comments -This "full length" begins from the N-terminus end STQ...

Reference -for pBluescript-TRAP1: Vol.270, No.8, issue of February 24, pp.3574-3581, 1995

DIDIER PICARD LAB, University of Geneva

Construct number 1033

Date entered 4.6.98

Constructed by Jiawei LIU

Date constructed 05.1998

PLASMID NAME

flu-TRAP1(NSTQ-2)/T

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pRS424

bacterial plasmid

other relevant source constructs

flu-TRAP1(NSTQ-2)

Inserts Full length TRAP1(TNF receptor-associated protein, with strong homology to the 90 kDa family of heat shock proteins) sequence preceded by the flu epitope (Anti-flu: 12CA5 α HA, mouse).

Reporter gene

Promoter,
splice,
PolyA

Comments -This "full length" begins from the N-terminus end STQ... but with TRP1 marker

Reference

Construct number

1034

Date entered

9.6.98

Constructed by

Chris Marshall's lab (via Arkinstall)

Date constructed

PLASMID NAME

pGEX-Erk2

bacterial marker Amp

parent vector

pGEX-2T

bacterial plasmid

pBR

other relevant source constructs

Inserts

GST fused to wild-type full-length mouse Erk2 (MAPK)

Reporter gene

Promoter,
splice,
PolyA

Comments

IPTG-inducible bacterial expression vector.

Reference

Construct number

1035

Date entered

9.6.98

Constructed by

Chris Marshall's lab (via Arkinstall)

Date constructed

PLASMID NAME

pGEX-Erk2 D319N

bacterial marker Amp

parent vector

pGEX-2T

bacterial plasmid

pBR

other relevant source constructs

Inserts

GST fused to full-length mouse Erk2 (MAPK) with Sevenmaker mutation D319N

Reporter gene

Promoter,
splice,
PolyA

Comments

IPTG-inducible bacterial expression vector.
This mutant is constitutive in vivo but not in vitro.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 12.6.98

Constructed by toufik

Date constructed 6.98

PLASMID NAME

pG1/HA α wt

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

other relevant source constructs

pG1 α wt

Inserts HA tag (MQDLPGNDNSTAG) fused to alpha peptide of Lac-Z gene.

Reporter gene

Promoter,
splice,
PolyA GPD

Comments the peptide is recognized in western blot.

Reference Abbas-Terki T. and Picard D. (1999), Eur J. Biochem. 266, 517-523

DIDIER PICARD LAB, University of Geneva

Construct number

1037

Date entered

16.6.98

Constructed by

Marcello Maggiolini

Date constructed

6/98

PLASMID NAME

BS/h β Act

bacterial marker Amp

parent vector

BS(+)

bacterial plasmid

BS

other relevant source constructs

Inserts human β -actin PCR fragment (position 820 - 1252 of full-length cDNA)

Reporter gene

Promoter,
splice,
PolyA

Comments - fragment made by RT-PCR (Taq pol.)
- orientation unknown

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1038

Date entered

18.6.98

Constructed by

Marcello Maggiolini

Date constructed

6/98

PLASMID NAME

BS/pS2

bacterial marker Amp

parent vector

BS(+)

bacterial plasmid

BS

other relevant source constructs

Inserts human pS2 PCR fragment (position 245 - 459 of full-length cDNA)

Reporter gene

Promoter,
splice,
PolyA

Comments - fragment made by RT-PCR (Taq pol.)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1039

Date entered

18.6.98

Constructed by

Marcello Maggiolini

Date constructed

6/98

PLASMID NAME

BS/hPR

bacterial marker Amp

parent vector

BS(+)

bacterial plasmid

BS

other relevant source constructs

Inserts

human progesterone receptor (hPR) PCR fragment (position 1613-2337 of full-length cDNA)

Reporter gene

Promoter,
splice,
PolyA

Comments - fragment made by RT-PCR (Taq pol.)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.6.98

Constructed by Rainer Warth

Date constructed 6.6.98

PLASMID NAME

pGEX/CPR7

bacterial marker Amp

parent vector

pGEX1

bacterial plasmid

other relevant source constructs

Inserts CPR7 gene

Reporter gene

Promoter,
splice,
PolyA

Comments complete sequence available (see sequence part of this record)

Reference Abbas-Terki et al. (2001) Mol. Cell. Biol. 21, 7569–7575.

DIDIER PICARD LAB, University of Geneva

Construct number

1041

Date entered

25.6.98

Constructed by

Pierre-André Briand

Date constructed

6/98

PLASMID NAME

pET Δ Trap1

bacterial marker Amp

parent vector

pET15b

bacterial plasmid

? (low yield)

other relevant source constructs

Inserts

AUG - His6-tag - thrombin cut site - human Trap1.

Reporter gene

Promoter, T7 promoter and terminator
splice,
PolyA

Comments

- Plasmid carries lacI gene.
- poor protein yield in E. coli!
- Probably starts with Q406, but not clear whether this clone has the correct C-terminus.

Reference

Construct number

1042

Date entered

30.6.98

Constructed by

Didier Picard (Yamamoto lab)

Date constructed

1988

PLASMID NAME

VA0

bacterial marker Amp

parent vector

bacterial plasmid

pSP64

other relevant source constructs

Inserts

Reporter gene

Promoter, - SV40 enhancer, human α 1-globin promoter
splice, - rabbit β -globin IVS2.
PolyA - rabbit β -globin polyA site.

Comments - mammalian expression vector
- see sequence of rabbit fragment in layout "sequence"

Reference Picard and Yamamoto (1987) EMBO J. 6, 3333-3340

DIDIER PICARD LAB, University of Geneva

Construct number

1043

Date entered

30.6.98

Constructed by

Pierre-André Briand

Date constructed

6/98

PLASMID NAME

VA/GAD.SRC1

bacterial marker Amp

parent vector

VA0

bacterial plasmid

pSP64

other relevant source constructs

pGAD424-SRC1

Inserts

GAL4 transcriptional activation domain with the SV40 NLS fused to human SRC1a

Reporter gene

Promoter, - SV40 enhancer, human α 1-globin promoter
splice, - rabbit β -globin IVS2.
PolyA - rabbit β -globin polyA site.

Comments - see sequence of rabbit fragment in layout "sequence"

Reference for VA0: Picard and Yamamoto (1987) EMBO J. 6, 3333-3340

DIDIER PICARD LAB, University of Geneva

Construct number

1044

Date entered

30.6.98

Constructed by

Pierre-André Briand

Date constructed

6/98

PLASMID NAME

pSG5/ERΔN.VP16

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

pSG5/ERΔN, VA/C60.ER.VP16

Inserts

human estrogen receptor (AA 181-576) fused to VP16; V400 mutant HE19.VP16

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β-globin IVS2.
- SV40 polyA site.

Comments

Reference for pSG5: Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

1045

Date entered

30.6.98

Constructed by

Marcello Maggiolini

Date constructed

7/98

PLASMID NAME

EF.Erk2

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEGFP-C1

bacterial plasmid

pUC

other relevant source constructs

pGEX2T-Erk2

Inserts green fluorescent protein (GFP) mutant (F64L and S65T) fused to mouse Erk2

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments Careful: this plasmid does *not* have the Amp resistance!!!

Reference for pGEX2T-Erk2: EMBO 11, 3985 (1992)

Construct number

1046

Date entered

30.6.98

Constructed by

Melanie Cobb lab

Date constructed

PLASMID NAME

His-rat ERK2/pCEP4

bacterial marker Amp

parent vector

pCEP4

bacterial plasmid

?

other relevant source constructs

Inserts

wild-type rat Erk2 (MAPK) with N-terminal His6 tag

Reporter gene

Promoter,
splice,
PolyA

CMV promoter

Comments

Reference

Construct number

1047

Date entered

2.7.98

Constructed by

Arthur Gutierrez-Hartmann

Date constructed

PLASMID NAME

rPRL-Luc

alternative name

pA3(-425)rPRL-Luc

bacterial marker

Amp

parent vector

pGEM7

bacterial plasmid

other relevant source constructs

Inserts

rat prolactin promoter (-425 to +73) driving luciferase

Reporter gene

luciferase

Promoter,
splice,
PolyA

Comments

Reference

Construct number

1048

Date entered

15.7.98

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

1049

Date entered

15.7.98

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 15.7.98

Constructed by Jiawei LIU

Date constructed 03.98

PLASMID NAME

pG/rMR

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG/N414.MR(=GR.MR)

bacterial plasmid

other relevant source constructs

VA/rMR

Inserts rMR

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference -pG/N414.MR(=GR.MR): constructed by Didier
-VA/rMR: a gift from Yamamoto

Construct number

1051

Date entered

7.7.98

Constructed by

N. Berndt Lab (Children's Hospital)

Date constructed

PLASMID NAME

pDR540~PP1alphaT320A

bacterial marker Amp

parent vector

pDR540

bacterial plasmid

other relevant source constructs

Inserts

rabbit protein phosphatase 1 alpha with T320A point mutation that makes it constitutive. The insert can be excised with BamHI

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Berndt et al. (1987) FEBS Lett. 223, 340-346.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.7.98

Constructed by Bruno Cenni

Date constructed 20.7.98

PLASMID NAME

pSG5/PP1T320A

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

pDR540~PP1alphaT320A

Inserts rabbit protein phosphatase 1 alpha with T320A point mutation that makes it constitutive. The BamHI fragment from pDR540~PP1alphaT320A was ligated into pSG5

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference PP1a: Berndt et al. (1987) FEBS Lett. 223, 340-346.
pSG5: Green et al. (1988) NAR 16, 369.

Construct number

1053

Date entered

20.7.98

Constructed by

C. Vinson Lab @NCI

Date constructed

PLASMID NAME

bzipCREB

bacterial marker Amp

parent vector

pRc/CMV500

bacterial plasmid

other relevant source constructs

Inserts

Leu274-Asp341 domain of CREB (natural C-terminus) with N-terminal FLAG (DYKDDDDK) epitope

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments

Reference

S. Ahn et al. 1998: Mol Cell Biol 18(2): 967-77

Construct number

1054

Date entered

20.7.98

Constructed by

C. Vinson Lab @NCI

Date constructed

PLASMID NAME

A-CREB

bacterial marker Amp

parent vector

pRc/CMV500

bacterial plasmid

other relevant source constructs

Inserts

Dominant-negative CREB with N-terminal FLAG (DYKDDDDK) epitope

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments

Reference S. Ahn et al 1998 Mol Cell Biol 18(2): 967-77

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 5.8.98

Constructed by Rainer Warth

Date constructed 4.8.98

PLASMID NAME

pG/HG.Cyp40

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG-4

bacterial plasmid

other relevant source constructs

Inserts see Rainer's Thesis p. 129-130 (attached pages)
His and GST tagged Cyp40

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

1057

Date entered

7.8.98

Constructed by

Ladant lab

Date constructed

PLASMID NAME

pT25-zip

bacterial marker Chl

parent vector

bacterial plasmid

p15A

other relevant source constructs

Inserts T25 leucine zipper fusion

Reporter gene

Promoter,
splice,
PolyA

Comments - for E. coli 2-hybrid in strain DHP1
- contains p15A origin of replication (compatible with ColE1)

Reference Karimova et al. (1998) PNAS 95, 5752

Construct number

1058

Date entered

7.8.98

Constructed by

Ladant lab

Date constructed

PLASMID NAME

pT18-zip

bacterial marker Amp

parent vector

bacterial plasmid

pBR

other relevant source constructs

Inserts T18 leucine zipper fusion

Reporter gene

Promoter,
splice,
PolyA

Comments - for E. coli 2-hybrid in strain DHP1
- contains ColE1 origin of replication (compatible with p15A)

Reference Karimova et al. (1998) PNAS 95, 5752

Construct number

1059

Date entered

19.8.98

Constructed by

Masahito Tamura NIH

Date constructed

PLASMID NAME

pGZ-GFP

alternative name

pGZ210xZ-GFP

bacterial marker

Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

GFP

Reporter gene

Promoter,
splice,
PolyA

CMV + Kozak

Comments

Reference

Tamura et al Science 1998 280 p. 1614-1617

Construct number

1060

Date entered

19.8.98

Constructed by

Masahito Tamura NIH

Date constructed

PLASMID NAME

pGZ-GFP-PTEN

alternative name

pGZ21 δ xZ-GFP-PTEN

bacterial marker

Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

GFP fused to tumor suppressor and putative protein tyrosine phosphatase PTEN

Reporter gene

Promoter,
splice,
PolyA

CMV + Kozak

Comments

Reference

Tamura et al Science 1998 280 p. 1614-1617

Construct number

1061

Date entered

19.8.98

Constructed by

Masahito Tamura NIH

Date constructed

PLASMID NAME

pGZ-GFP-D92A

alternative name

pGZ21ΔxZ-GFP-PTEN-D92A

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

GFP fused to tumor suppressor and putative protein tyrosine phosphatase PTEN with D92A mutation making it an inactive, substrate trapping phosphatase

Reporter gene

Promoter,
splice,
PolyA CMV + Kozak

Comments

Reference Tamura et al Science 1998 280 p. 1614-1617

DIDIER PICARD LAB, University of Geneva

Construct number

1062

Date entered

27.8.98

Constructed by

Marcello Maggiolini

Date constructed

8/98

PLASMID NAME

pSG5/mErk2

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts full-length mouse Erk2

Reporter gene

Promoter, - SV40 early promoter.
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference for pSG5: Green et al. (1988) NAR 16, 369.

Construct number

1063

Date entered

28.8.98

Constructed by

ATCC (IMAGE)

Date constructed

PLASMID NAME

zw31h06.r1

bacterial marker Amp

parent vector

pT7T3D (Pharmacia)

bacterial plasmid

other relevant source constructs

Inserts

- human cathepsin D cDNA, at least the first 554 nucleotides.
- human EST clone (IMAGE clone) from Soares ovary tumor NbHOT; ATCC # 1039349
- cloned into a modified pT7T3 vector as EcoRI-NotI (5'->3') fragment

Reporter gene

Promoter, T7 and T3
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1066

Date entered

23.9.98

Constructed by

Bruno Cenni

Date constructed

15.9.98

PLASMID NAME

GAL93.ER β

bacterial marker Amp

parent vector

pSCTEV gal93-LF0

bacterial plasmid

other relevant source constructs

pCMV5-hERbeta
GAL93.cPR

Inserts

Human ER β HBD (AA K191-Q477) fused to GAL DNA-binding domain (AA 1-93)

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2 and polyA

Comments

Reference Maggiolini et al. (2001) Mol. Pharmacol. 60, 595-602

Construct number

1068

Date entered

29.9.98

Constructed by

Shenolikar Lab

Date constructed

PLASMID NAME

pCB6hI-1

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts Constitutive active hInh-1 minigene (AA9-54, with T35D mutation).

Reporter gene

Promoter,
splice,
PolyA CMV promoter

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1070

Date entered

29.9.98

Constructed by

Bruno Cenni

Date constructed

27.9.98

PLASMID NAME

Gal93.ER(G)ML543/4AA

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSCTEV gal93-LF0

bacterial plasmid

other relevant source constructs

Gal93.ER(G)
pSG5/ER(G)ML543/4AA

Inserts

DNA binding domain + dimerization domain of GAL4 (AA 1-93) fused to hormone binding domain (HBD) of human estrogen receptor (hER) (AA 282-595) with point mutations ML543/4AA that abolish AF-2.

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2 and polyA

Comments

Reference - for pSCTEVgal93: see Seipel et al. (1992) EMBO J. 11, 4961
- this plasmid: Maggiolini et al. (2001) Mol. Pharmacol. 60, 595-602

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.9.98

Constructed by Buno Cenni

Date constructed 21.9.98

PLASMID NAME

BS/HBDmt

bacterial marker Amp

parent vector

pBS-

bacterial plasmid

other relevant source constructs

HEG0

Inserts Cloning intermediate with hER HBD (XbaI-SacI fragment with G400) with M543A/L544A (ML543/4AA) point mutations that abolish AF-2

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1072

Date entered

29.9.98

Constructed by

Bruno Cenni

Date constructed

28.9.98

PLASMID NAME

YADE/PKA

bacterial marker Amp

yeast marker ADE2

eucaryotic replicon 2 μ circle

parent vector

pYesADE2

bacterial plasmid

other relevant source constructs

pBS+
pCEV

Inserts mouse C α PKA subunit cDNA

Reporter gene

Promoter,
splice,
PolyA GAL1

Comments

Reference for pYESade2: Eduardo Gonzalez Couto (February 1996)
for mPKAc McKnight (1987) JBC 262, 15202-15207

DIDIER PICARD LAB, University of Geneva

Construct number

1073

Date entered

29.9.98

Constructed by

Bruno Cenni

Date constructed

PLASMID NAME

Gal93.ERΔF

bacterial marker Amp

parent vector

pSCTEV gal93-LF0

bacterial plasmid

other relevant source constructs

93.ER(V)

Inserts

DNA binding domain + dimerization domain of GAL4 (AA 1-93) fused to hormone binding domain (HBD) of human estrogen receptor (hER) (AA 282-552) which lacks F-domain (Stop codon after P552).

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β-globin IVS2 and polyA

Comments HBD has G400V mutation!

Reference - for pSCTEVgal93: see Seipel et al. (1992) EMBO J. 11, 4961.
- this plasmid: Maggiolini et al. (2001) Mol. Pharmacol. 60, 595-602

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.9.98

Constructed by Catherine Cohet

Date constructed 09.98

PLASMID NAME

pSG5/hER(V)-En, "EVE"

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

HEGO in pSG1; HEO in pSG5
VALE (full-length Engrailed)

Inserts full-length human estrogen receptor (hER) with Val 400, fused to the Drosophila Engrailed repressor domain (AA 167-282).

Reporter gene

Promoter, - SV40 early promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit b-globin IVS2
- SV40 poly A site

Comments

Reference for pSG5: Green et al. (1988) NAR 16, 369
for Engrailed: Han & Manley (1993) Embo J. 12, 2723

Construct number

1075

Date entered

1.10.98

Constructed by

Invitrogen

Date constructed

PLASMID NAME

pCEP4

bacterial marker Amp

vertebrate marker Hygromycin

eucaryotic replicon EBV

parent vector

bacterial plasmid

pUC

other relevant source constructs

Inserts

Reporter gene

Promoter, CMV enhancer/promoter
splice, SV40 polyA signal
PolyA

Comments - for high level expression in mammalian cells; maintained as episome (thanks to EBV origin oriP and EBNA-1 gene) in human, primate and dog cells.
- sequence available

Reference

Construct number

1076

Date entered

2.10.98

Constructed by

Hyman B. Niznik's Lab (Toronto)

Date constructed

PLASMID NAME

phD5DR

old name

pCD-Xho 5k-D5

bacterial marker

Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Human dopamine D5 receptor gene (5kb)

Reporter gene

Promoter,
splice,
PolyA

Sv40 promoter
SV40 polyA

Comments

Reference

Construct number

1393

Date entered

19.10.98

Constructed by

P. Tschlis Lab (Fox Chase)

Date constructed

PLASMID NAME

HA-c-akt

bacterial marker Amp

parent vector

CMV5

bacterial plasmid

other relevant source constructs

Inserts

Wild-type c-akt (=PKB) with HA tag.

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments - probably murine c-Akt

Reference

Construct number

1078

Date entered

19.10.98

Constructed by

P. Tschlis Lab (Fox Chase)

Date constructed

PLASMID NAME

Myr-c-akt-HA

bacterial marker Amp

parent vector

pCMV6

bacterial plasmid

other relevant source constructs

Inserts

Wild-type c-akt (PKB) with myristylation signal that renders it constitutive.
HA tag.

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1079

Date entered

19.10.98

Constructed by

Pierre-André Briand

Date constructed

10/98

PLASMID NAME

EHETL

bacterial marker Amp

vertebrate marker Hygromycin

eucaryotic replicon EBV

parent vector

pCEP4

bacterial plasmid

pUC

other relevant source constructs

XETL

Inserts

ERE (from Xenopus vitellogenin gene A2) upstream of TK promoter driving firefly luciferase.

Reporter gene

luciferase

Promoter,
splice,
PolyA

ERE - TK promoter
SV40 polyA signal

Comments

- for high level expression in mammalian cells; maintained as episome (thanks to EBV origin oriP and EBNA-1 gene) in human, primate and dog cells.
- lacks CMV promoter of pCEP4 parent vector.

Reference

for XETL: Bunone et al. (1996) EMBO J. 15, 2174-2183.

DIDIER PICARD LAB, University of Geneva

Construct number

1080

Date entered

19.10.98

Constructed by

Pierre-André Briand

Date constructed

10/98

PLASMID NAME

EHG₄₆TL

bacterial marker Amp

vertebrate marker Hygromycin

eucaryotic replicon EBV

parent vector

pCEP4

bacterial plasmid

pUC

other relevant source constructs

XG₄₆TL

Inserts GRE (synthetic 46mer, dimer of footprint 1.5 of MMTV LTR.) upstream of TK promoter driving firefly luciferase.

Reporter gene luciferase

Promoter, GRE - TK promoter
splice, SV40 polyA signal
PolyA

Comments - for high level expression in mammalian cells; maintained as episome (thanks to EBV origin oriP and EBNA-1 gene) in human, primate and dog cells.
- lacks CMV promoter of pCEP4 parent vector.

Reference for XG₄₆TL: Bunone et al. (1996) EMBO J. 15, 2174-2183.

DIDIER PICARD LAB, University of Geneva

Construct number

1081

Date entered

20.10.98

Constructed by

Bruno Cenni

Date constructed

20.10.98

PLASMID NAME

pNCG

bacterial marker Amp

parent vector

pNC

bacterial plasmid

other relevant source constructs

pBS(-)/GST

Inserts

GST insert without stop codon to accept cDNA for aminoterminal GST fusions

...might not express well (rather use EBG)

Reporter gene

Promoter,
splice,
PolyA

CMV enhancer/promoter
T7 promoter
rabbit bglobin IVS2 and polyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.10.98

Constructed by Schaffner lab

Date constructed

PLASMID NAME

pSCTEV/gal93/KOX

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSCTEVgal93-LFO

bacterial plasmid

pSp65

other relevant source constructs

Inserts DNA binding domain + dimerization domain of GAL4, fused to the part of the KOX1 protein containing the KRAB domains A and B .

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2 and polyA

Comments KOX1: position 1015 to 1381, with KRAB-A (1045-1073) and KRAB-B (1074-1239)
stop: position 1414

Reference for KRAB, see: The New Biologist (1990) Vol.2 (4), 363-374
for pSCTEVgal93, see: Seipel et al. (1992) EMBO J. 11. 4961

Construct number

1083

Date entered

27.10.98

Constructed by

N. Kralli's Lab

Date constructed

PLASMID NAME

pcDNA3-hLEM6

alternative name

pcDNA3-C8orf

bacterial marker

Amp

parent vector

pcDNA3

bacterial plasmid

other relevant source constructs

Inserts

Human LEM6 (C8orf in N. Kralli's screen) cloned into BamH1/Xho1

Reporter gene

Promoter,
splice,
PolyA

CMV promoter
BGH polyA

Comments

LEM6 = PGC1 α

Reference

Construct number

1084

Date entered

30.10.98

Constructed by

Mike Jacobson (Yamamoto lab)

Date constructed

1989

PLASMID NAME

p6R.Gal(74/525)GR

bacterial marker Amp

parent vector

p6R

bacterial plasmid

?

other relevant source constructs

Inserts

GAL4 DNA binding domain (AA 1-74) fused to the hormone binding domain (HBD) of the rat glucocorticoid receptor (rGR)

Reporter gene

Promoter, - RSV LTR
splice, - SV40 polyA
PolyA

Comments

Reference

Construct number

1085

Date entered

30.10.98

Constructed by

Matthias Peter

Date constructed

PLASMID NAME

pRS426/Ste11-4

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pRS426

bacterial plasmid

other relevant source constructs

Inserts Ste11-4

Reporter gene

Promoter,
splice,
PolyA

Comments from Matthias Peter (lausanne)

Reference

Construct number

1086

Date entered

30.10.98

Constructed by

Matthias Peter

Date constructed

PLASMID NAME

LSDI

bacterial marker Amp

yeast marker probably URA3

CEN/ARS

parent vector

? pRD53

bacterial plasmid

other relevant source constructs

Inserts

Ste11 Ala3: the S302, S306 and T 307 are mutated to Ala

Reporter gene

Promoter,
splice,
PolyA unknown

Comments

Reference Matthias Peter

Construct number

1087

Date entered

30.10.98

Constructed by

Matthias Peter

Date constructed

PLASMID NAME

pRD53/Ste11 Asp3

bacterial marker Amp

probably URA3

eucaryotic replicon CEN/ARS

parent vector

pRD53

bacterial plasmid

other relevant source constructs

Inserts

Ste11 Asp3: the S302, S306 and T 307 are mutated Asp

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Matthias Peter

Construct number

1088

Date entered

30.10.98

Constructed by

Matthias Peter

Date constructed

PLASMID NAME

pRD53/Ste11wt

bacterial marker Amp

yeast marker probably URA3

eucaryotic replicon CEN/ARS

parent vector

pRD53

bacterial plasmid

other relevant source constructs

Inserts Wt Ste11

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Matthias Peter

DIDIER PICARD LAB, University of Geneva

Construct number

1089

Date entered

10.11.98

Constructed by

Marcello Maggiolini

Date constructed

11/98

PLASMID NAME

BS/36B4

bacterial marker Amp

parent vector

BS(+)

bacterial plasmid

BS

other relevant source constructs

Inserts

a fragment of the cDNA of human acidic ribosomal phosphoproteinP0 (=36B4); nt 609 - 1017 relative to start site of mRNA.

Reporter gene

Promoter,
splice,
PolyA

Comments

- fragment was generated by PCR from MCF7 cDNA with primers CTCAACATCTCCCCCTTCTC and CAATCCCATATCCTCGTCC.
- can be used to make a probe for Northern -> mRNA is about 1.1 kb.

Reference

Construct number

1090

Date entered

10.11.98

Constructed by

CA Meyer (CMU)

Date constructed

PLASMID NAME

pSV2 hTR β 1wt

bacterial marker Amp

parent vector

pSV2

bacterial plasmid

other relevant source constructs

Inserts

Human thyroid receptor β 1

Reporter gene

Promoter,
splice,
PolyA

SV40 early promoter

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1091

Date entered

10.11.98

Constructed by

Catherine Cohet

Date constructed

09.98

PLASMID NAME

pBS/Engrailed

bacterial marker Amp

parent vector

pBS

bacterial plasmid

pBS

other relevant source constructs

VALE (full-length Engrailed)

Inserts

Cloning intermediate containing the Engrailed repressor domain C/D (AA 167-282) from Drosophila.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

1092

Date entered

17.11.98

Constructed by

Stanley McKnight (U Wash)

Date constructed

PLASMID NAME

mtREVab

bacterial marker Amp

parent vector

bacterial plasmid

pUC13

other relevant source constructs

Inserts

Dominant negative PKA regulative subunit (does not bind cAMP and is therefore not released from the catalytic subunit).

The MT promoter can be induced with ZnSO₄ (<80uM)

Reporter gene

Promoter, MT-1 inducible promoter
splice, hGH poly A
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1093

Date entered

17.11.98

Constructed by

Catherine Cohet

Date constructed

10.98

PLASMID NAME

pET/hER-DBD

bacterial marker

Amp

parent vector

pET-15b

bacterial plasmid

other relevant source constructs

Inserts

Human estrogen receptor DNA binding domain (AA 180-262) cloned at the NcoI-BamHI sites, in place of the His tag and thrombin clivage site.

Reporter gene

Promoter,
splice,
PolyA

T7 promoter and terminator

Comments

low yield!

Reference

for the DBD, see: Schwabe et al. (1995), Structure, 3(2), 201-213.

DIDIER PICARD LAB, University of Geneva

Construct number

1094

Date entered

23.11.98

Constructed by

Bruno Cenni

Date constructed

20.11.98

PLASMID NAME

GSRC1-NID

bacterial marker Amp

parent vector

pNCG

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 23.11.98

Constructed by Catherine Cohet

Date constructed 11.98

PLASMID NAME

pSG5/hER(V)-Krab, "EVK"

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

M13+

other relevant source constructs

EVE

pSCTEV-Gal93-Kox

Inserts full-length human estrogen receptor with Val 400, fused to AA 1-100 of the human Kox-1 protein (Krab domains A and B: AA 11-53 and 54-75).

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter
- T7 RNA polymerase promoter
- rabbit b-globin IVS2
- SV40 poly A site

Comments

Reference for pSG5: Green et al. (1988) NAR 16, 369
for KRAB: Margolin et al. (1994) PNAS 91, 4509

Construct number

1096

Date entered

2.12.98

Constructed by

Date constructed

PLASMID NAME

pSG5-GRIP1

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

pUC

other relevant source constructs

Inserts 4.7Kb EcoRI insert containing GRIP1 (mouse) in EcoRI site of pSG5.

Reporter gene

Promoter, SV40
splice,
PolyA

Comments - sequence available

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1098

Date entered

8.12.98

Constructed by

Pierre-André Briand

Date constructed

10/2003

PLASMID NAME

ER α 4xE

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

HEG0, 3xE, S167E intermediate

eucaryotic replicon SV40 ori

Inserts human estrogen receptor α (ER) with point mutations S104E, S106E, S118E, and S167E

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference for pSG5: Green et al. (1988) NAR 16, 369.

Construct number

1099

Date entered

14.12.98

Constructed by

toufik

Date constructed

12.98

PLASMID NAME

pYES/HA-Ste11(Ala3)

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYes/Haste11 and pRD53/Ste11 Ala3

bacterial plasmid

other relevant source constructs

Inserts

Ste11 Ala3: the S302, S306 and T 307 are mutated to Ala

Reporter gene

Promoter,
splice,
PolyA

GAL1

Comments

Reference

Construct number

1100

Date entered

14.12.98

Constructed by

toufik

Date constructed

PLASMID NAME

pYES/HA-ste11(Asp3)

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES/HASSte11 pRD53/Ste11 Asp3

bacterial plasmid

other relevant source constructs

Inserts

Ste11 Asp3: the S302, S306 and T 307 are mutated Asp

Reporter gene

Promoter,
splice,
PolyA

GAL1

Comments

Reference

Construct number

1101

Date entered

4.1.99

Constructed by

Nancy Hynes

Date constructed

PLASMID NAME

c-erb-B2

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.1.99

Constructed by Catherine Cohet

Date constructed 15.1.99

PLASMID NAME

pBS/KRAB

bacterial marker Amp

parent vector

pBS

bacterial plasmid

pBS

other relevant source constructs

EVK, EGK

Inserts Cloning intermediate containing AA 1-100 of the human Kox-1 protein (Krab domains A and B: AA 11-53 and 54-75).

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1104

Date entered

18.1.99

Constructed by

Catherine Cohet

Date constructed

15.1.99

PLASMID NAME

HEGO/BAMH1

bacterial marker Amp

SV40 ori

parent vector

pSG5

bacterial plasmid

M13+

other relevant source constructs

EVE, EVK, EGK

Inserts

Cloning intermediate: wild type hER without stop codon, BamHI site in 3'.

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter
- T7 RNA polymerase promoter
- rabbit b-globin IVS2
- SV40 poly A site

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1105

Date entered

18.1.99

Constructed by

Bruno Cenni

Date constructed

21.12.98

PLASMID NAME

pRK5/SHP

bacterial marker Amp

parent vector

pRK5

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

CDM8SHP
pRK- β ARK1

Inserts Mouse SHP (Xho fragment)

Reporter gene

Promoter, CMV promoter/enhancer
splice, SV40 ori
PolyA SV40 poly A
SP6 promoter

Comments

Reference

Construct number

1107

Date entered

18.1.99

Constructed by

David Moore`s Lab

Date constructed

PLASMID NAME

CDM8mSHP

bacterial marker Amp+Tet

parent vector

bacterial plasmid

other relevant source constructs

eucaryotic replicon

Inserts Mouse SHP.

Reporter gene

Promoter, CMV promoter
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 26.1.99

Constructed by Olivier Donzé

Date constructed 28/8/98

PLASMID NAME

pGEX2AF1

bacterial marker Amp

parent vector

pGEX2

bacterial plasmid

other relevant source constructs

Inserts AF-1 (80-150) region of the human estrogen receptor fused to GST

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 26.1.99

Constructed by Olivier Donzé

Date constructed 28/8/98

PLASMID NAME

pGEX2AF1(3XE)

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts AF-1 (80-150) region of the human estrogen receptor mutant (serines 104, 106 and 118 mutated to glutamic acid) fused to GST

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1111

Date entered

28.1.99

Constructed by

Catherine Cohet

Date constructed

28.1.99

PLASMID NAME

pSG5/hERwt-KRAB

alternative name

EGK

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

M13+

other relevant source constructs
EVE, EVK, pSCTEV-Gal93-Kox

Inserts

full-lentgh human estrogen receptor (wild-type), fused to AA 1-100 of the human Kox-1 protein (Krab domains A and B: AA 11-53 and 54-75).

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter
- T7 RNA polymerase promoter
- rabbit b-globin IVS2
- SV40 poly A site

Comments

Reference KRAB: Margolin et al. (1994) PNAS 91, 4509

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 28.1.99

Constructed by Bruno Cenni

Date constructed 27.1.99

PLASMID NAME

NEF/mtREVab

bacterial marker Amp

SV40 ori

parent vector

pNEF

bacterial plasmid

other relevant source constructs

mtREVab

Inserts Dominant negative PKA regulative subunit (does not bind cAMP and is therefore not released from the catalytic subunit).

Reporter gene

Promoter,
splice,
PolyA

- human elongation factor 1 α (EF-1 α) promoter.
- first intron from EF-1 α gene.
- SV40 poly A (in late orientation).
- plasmid contains SV40 origin (pos. 5092-128), early promoter same orientation as EF-1 α promoter.

Comments EF-1 α sequence includes 203 bp 5' flanking region, 33 bp first (non-coding) exon, 943 bp first intron, and 10 bp of the second exon (20 bp upstream of EF-1 α ATG).

Bacterial plasmid sequences can be cut off at flanking NotI sites.

Reference for pEF-BOS: Mizushima and Nagata (1990) NAR **18**, 5322.
mtREVab a gift of Stanley McKnight

DIDIER PICARD LAB, University of Geneva

Construct number

1113

Date entered

29.1.99

Constructed by

Bruno Cenni

Date constructed

25.1.99

PLASMID NAME

EBG

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pEBG-SEK1

bacterial plasmid

other relevant source constructs

pEF-BOS, pGEX2T

Inserts

This plasmid is a modified pEBG. It's made from pEBG-SEK1 by excising SEK1 with BamHI and religating the vector.
Contains cassette to introduce cDNA fused to GST-C terminus.

Reporter gene

Promoter, EF-1 alpha promoter
splice, SV40 ori
PolyA GST (+thrombin cleavage site)
hGCSF polyA/intron?

Comments

Reference The original pEBG is based on pEF-BOS: Mizushima and Nagata (1990)
NAR **18**, 5322
(For pEBG-SEK1 Sanchez I et al Nature 1994 V372: 794-798)

Construct number

1114

Date entered

5.2.99

Constructed by

Date constructed

PLASMID NAME

pJUFO(3xstops)

bacterial marker Amp

parent vector

pJUFO

bacterial plasmid

other relevant source constructs

Inserts

leucine zipper of JUN fused to the phage protein pIII and the leucine zipper of Fos .

Reporter gene

Promoter,
splice,
PolyA

lacZ

Vector designed for the phage display cDNA library .

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.2.99

Constructed by Rainer Warth

Date constructed

PLASMID NAME

pGEX/ycyp40

bacterial marker Amp

parent vector

pGEX-1

bacterial plasmid

pET-15b/cyp40

other relevant source constructs

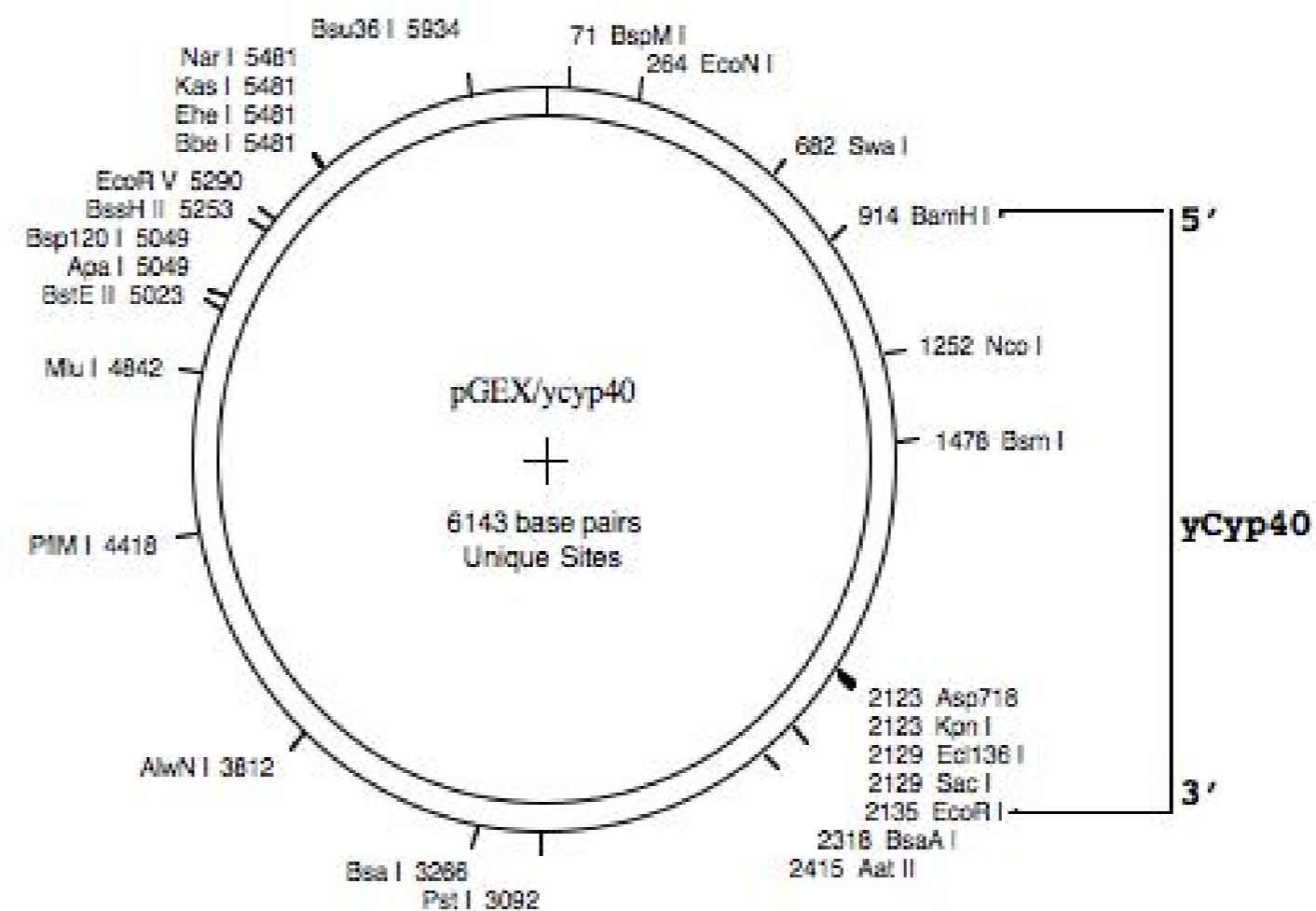
Inserts yCyp40 gene, as cloned in pET-15b/cyp40 (no. 571)
sequence and map available

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.2.99

Constructed by Elisabeth Jeannin

Date constructed 4.12.98

PLASMID NAME

pGBT9(1-93)LXXLL

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector
pGBT9(1-93)

bacterial plasmid
pGBT9

other relevant source constructs

Inserts LXXLL motif from RIP140 (aa933 toF 944) fused to the GAL4 DNA binding domain

Reporter gene

Promoter, ADH1 promoter
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 1118

Date entered 9.2.99

Constructed by Elisabeth Jeannin

Date constructed 4.12.98p

PLASMID NAME

pGAD424hPR

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pGAD424

bacterial plasmid

pUC

other relevant source constructs

pSG5hPR

Inserts hPR LBD (aa 673 to 934) fused to the GAL4 activation domain

Reporter gene

Promoter, ADH1
splice,
PolyA

Comments hPR LBD is composed of the BamHI/HindIII digested PCR fragment (with oligonucleotides PR2521-/PR2014+ and pSG5hPR) fused to the HindIII/BamHI pSG5hPR fragment

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.2.99

Constructed by Elisabeth Jeannin

Date constructed 4.12.98

PLASMID NAME

pGAD424hAR

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pGAD424

bacterial plasmid

pUC

other relevant source constructs

pG1-ARII

Inserts hAR ligand binding domain (aa 657 to 919) fused to the GAL4 activation domain

Reporter gene

Promoter, ADH1 promoter
splice,
PolyA

Comments hAR LBD is composed of a BamHI/NcoI PCR fragment (primers AR2281- and AR1969+ with pG1ARII) fused to a NcoI/Sall pG1ARII fragment

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.2.99

Constructed by Elisabeth Jeannin

Date constructed 4.12.98

PLASMID NAME

pGAD424hER

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pGAD424

bacterial plasmid

pUC

other relevant source constructs

Inserts hER ligand binding domain (aa 271 to 595) fused to the GAL4 activation domain

Reporter gene

Promoter, ADH1 promoter
splice,
PolyA

Comments hER HBD is composed of a BamHI/HindIII PCR fragment (pG/ER(G) with primers) fused to the BamHI/HindIII Gal848ER fragment

Reference Jia Wei Liu, Elisabeth Jeannin and Didier Picard. The anti-estrogen hydroxytamoxifen is a potent antagonist in a novel yeast system, 1999, Biol.Chem., Vol. 380, pp. 1341-1345

DIDIER PICARD LAB, University of Geneva

Construct number 1121

Date entered 9.2.99

Constructed by Bruno Cenni

Date constructed 8.2.99

PLASMID NAME

XTL Δ Luc

bacterial marker Amp

parent vector

XTL

bacterial plasmid

BS(+)

other relevant source constructs

TL

Inserts

- Luc ORF with EcoRV-XcmI 608 bp fragment excised and religated, no functional Luc protein expressed. Can be used as internal control for Luc-SV40t intron RT-PCR.
- TK promoter driving luciferase.
- polylinker upstream of TK promoter with SalI, XhoI, ApaI and KpnI as unique sites.

Reporter gene truncated luciferase

Promoter,
splice,
PolyA

- HSV thymidine kinase (TK) promoter (-109 to +52).
- SV40 small t intron and polyA site.

Comments Bluescript version of TL (it lacks the cryptic AP1 site of pUC vectors)

Reference for luciferase and pSV232A/L-A Δ 5':
De Wet et al. (1987) MCB 7, 725-737.

Construct number

1122

Date entered

16.2.99

Constructed by

Chris Glass' lab

Date constructed

PLASMID NAME

pCEP4-NCOR

bacterial marker Amp

vertebrate marker Hygromycin

parent vector

pCEP4

bacterial plasmid

other relevant source constructs

Inserts

N-CoR full-length with double flag tag (at the C-terminus)

Reporter gene

Promoter, CMV, T7
splice,
PolyA SV40

Comments

- Note: this is the mouse NCoR1
- sequence of Not1 fragment available
- AUG is at about 120 bp from 5' Not1 site (see enclosed ORF map).

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 1.3.99

Constructed by Jiawei LIU

Date constructed 4.98

PLASMID NAME

pG/HE19

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

other relevant source constructs

pG/ER(G)

Inserts Deleted version (deletion region: aa 1-179) of human estrogen receptor (ER).

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 1.3.99

Constructed by Jiawei LIU

Date constructed 6.98

PLASMID NAME

Lex.HE19

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pBTM116

bacterial plasmid

other relevant source constructs

pG/ER(G)

Inserts LexA DNA binding domain fused to the deleted version (deletion region: aa 1-179) of human estrogen receptor (ER).

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 1.3.99

Constructed by Jiawei LIU

Date constructed 7.98

PLASMID NAME

pG/HE19Vp16

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

other relevant source constructs

pSG5/ER Δ N.VP16

Inserts Human estrogen receptor (AA 181-576) fused to VP16; V400 mutant

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.3.99

Constructed by Lab of N. Kralli

Date constructed

PLASMID NAME

pTCA/PDR5

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

other relevant source constructs

Inserts Insert of Pdr5

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference -Received from N. Kralli, BIOZENTRUM, BASEL on March 3, 1999
-See the map on separated page

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.3.99

Constructed by Lab of N. Kralli

Date constructed

PLASMID NAME

pLCA/Pdr5

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

other relevant source constructs

Inserts Insert of Pdr5

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference -Received from N. Kralli, BIOZENTRUM, BASEL on March 3, 1999
-See the map on separate page

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.3.99

Constructed by Lab of N. Kralli

Date constructed

PLASMID NAME

pH2/PDR5

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts Insert of Pdr5

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference -Received from N. Kralli, BIOZENTRUM, BASEL on March 3, 1999
-See the map on separated page

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.3.99

Constructed by Catherine Cohet

Date constructed 4.3.99

PLASMID NAME

pCEP4-EGK

bacterial marker Amp

vertebrate marker Hygromycin

eucaryotic replicon EBV

parent vector

pCEP4

bacterial plasmid

pUC

other relevant source constructs

pCEP4/EVK
pSG5/EGK

Inserts full-length human estrogen receptor wild type, fused to AA 1-100 of the human Kox-1 protein (Krab domains A and B: AA 11-53 and 54-75).
ER-Krab is inserted at the KpnI site digested with Asp 718

Reporter gene

Promoter, CMV enhancer/promoter
splice, SV40 polyA signal
PolyA

Comments For high level expression in mammalian cells; maintained as episome (thanks to EBV origin oriP and EBNA-1 gene) in human, primate and dog cells

Reference

Construct number

1131

Date entered

5.3.99

Constructed by

Mike Garabedian lab

Date constructed

PLASMID NAME

pCMV-HA-p23

bacterial marker Amp

parent vector

pCMV5

bacterial plasmid

other relevant source constructs

Inserts

human p23 with N-terminal HA tag (12CA5 epitope)

Reporter gene

Promoter,
splice,
PolyA

- CMV
- β -globin splice and polyA

Comments

Reference

Knoblauch and Garabedian (1999) MCB

Construct number

1132

Date entered

19.3.99

Constructed by

PAB

Date constructed

11/12/98

PLASMID NAME

pSG5ERVP16 (FL)

bacterial marker Amp

parent vector
pSG5ERDELNVP16
bacterial plasmid

other relevant source constructs

Inserts Full-length human estrogen receptor fused to Vp16

Reporter gene

Promoter,
splice,
PolyA SV40

Comments

Reference

Construct number

1134

Date entered

22.3.99

Constructed by

S. Mader

Date constructed

PLASMID NAME

HE82/pSG5

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts

Human estrogen receptor with 3aa substitution in the core of C region with the corresponding aa of the human glucocorticoid receptor. (HE82) (contains the valine 400)

Reporter gene

Promoter, SV40
splice,
PolyA

Comments

Reference Mader *et al.*, Nature, **338**: 271 (1989)

Construct number

1135

Date entered

25.3.99

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

1136

Date entered

8.4.99

Constructed by

Date constructed

PLASMID NAME

pSG5 ERVP16 118A

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

full-length human estrogen receptor containing the serine 118 mutated to alanine fused to VP16.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

1137

Date entered

12.4.99

Constructed by

Marc Montminy's lab

Date constructed

PLASMID NAME

RSV-CREB

bacterial marker Amp

parent vector

SG-RSV

bacterial plasmid

other relevant source constructs

Inserts

Wild-type rat CREB

Reporter gene

Promoter,
splice,
PolyA

RSV LTR
SV40 polyA

Comments

Reference

Gonzalez GA, Montminy MR Cell 1989 17;59(4):675-80

Construct number

1138

Date entered

12.4.99

Constructed by

Marc Montminy's lab

Date constructed

PLASMID NAME

RSV-CREB-M1

bacterial marker Amp

parent vector

SG-RSV

bacterial plasmid

other relevant source constructs

Inserts

Rat CREB with Ser133 to Ala point mutation, phosphorylation deficient and dominant negative

Reporter gene

Promoter,
splice,
PolyA

RSV LTR
SV40 polyA

Comments

Reference

Gonzalez GA, Montminy MR Cell 1989 17;59(4):675-80

Construct number

1139

Date entered

12.4.99

Constructed by

Marc Montminy's lab

Date constructed

PLASMID NAME

pRC/RSV-mCBP-HA

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

pRC/RSV

bacterial plasmid

other relevant source constructs

Inserts mCBP with HA Tag in c-terminal position (MAYPYDVPDYAS)

Reporter gene

Promoter, RSV LTR
splice, BGH polyA
PolyA

Comments

Reference Chrvia JC et al Nature 1993;365(6449):855-9

Construct number

1140

Date entered

12.4.99

Constructed by

Steve Grossman/Livingston Lab

Date constructed

PLASMID NAME

pCMV β -p300

bacterial marker Amp

parent vector

pCMV β

bacterial plasmid

other relevant source constructs

Inserts p300 full length (GenBank acc. nr. U01877)

Reporter gene

Promoter,
splice,
PolyA CMV promoter

Comments It is critical to grow this plasmid in XL1Blue or DH5a or a similarly recombination-deficient strain.

Reference Eckner R et al Genes Dev 1994 8(8):869-84

Construct number

1141

Date entered

12.4.99

Constructed by

Mario Tiberi (M. Caron)

Date constructed

PLASMID NAME

pCMV5-F264I-D1A

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts hD1A dopamine receptor with activating F264I point mutation

Reporter gene

Promoter,
splice,
PolyA CMV

Comments

Reference Charpentier S et al J Biol Chem 1996 271(45):28071-6

Construct number

1142

Date entered

12.4.99

Constructed by

Mario Tiberi (M. Caron)

Date constructed

PLASMID NAME

pCMV5-F264I/R266K-D1A

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

hD1A dopamine receptor with activating F264I/R266K double point mutation

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments

Reference

Charpentier S et al J Biol Chem 1996 271(45):28071-6

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.4.99

Constructed by Catherine Cohet

Date constructed March 99

PLASMID NAME

G521R-En

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

G521R-Krab
EVE

Inserts full-length human estrogen receptor (hER) with point mutation G521R (corresponds to G525R in mouse ER), fused to the Drosophila Engrailed repressor domain (AA 167-282).

Map: same than EVE (n° 1074) but with wild type hER (G400) and G521R mutation

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - hGH 3' sequence
PolyA

Comments the G521R mutant essentially only responds to hydroxytamoxifen (use at ≥ 100 nM), not to β -estradiol (weakly at $\geq 1\mu$ M).

Reference for Engrailed: Han & Manley (1993) Embo J. 12, 2723
for G521R: Danielan et al. (1993) Mol. Endo. 7, 232

DIDIER PICARD LAB, University of Geneva

Construct number 1144

Date entered 13.4.99

Constructed by Catherine Cohet

Date constructed March 99

PLASMID NAME

G521R-KRAB

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

G521R-En
EVK, EGK

Inserts full-length human estrogen receptor (hER) with point mutation G521R (corresponds to G525R in mouse ER), fused to AA 1-100 of the human KOX-1 protein (KRAB domains A and B: AA 11-53 and AA 54-75).

Map: same than EGK (n° 1111) with G521R mutation

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - hGH 3' sequence
PolyA

Comments the G521R mutant essentially only responds to hydroxytamoxifen (use at ≥ 100 nM), not to β -estradiol (weakly at $\geq 1 \mu\text{M}$).

Reference for KRAB: Margolin et al. (1994) PNAS 91, 4509
for G521R: Danielan et al. (1993) Mol. Endo. 7, 232

DIDIER PICARD LAB, University of Geneva

Construct number

1145

Date entered

20.4.99

Constructed by

Pierre-André Briand

Date constructed

6/98

PLASMID NAME

VA/GAD.SRC1

bacterial marker Amp

parent vector

VA0

bacterial plasmid

pSP64

other relevant source constructs

pGAD424-SRC1

Inserts

GAL4 transcriptional activation domain with the SV40 NLS fused to human SRC1a

Reporter gene

Promoter, - SV40 enhancer, human α 1-globin promoter
splice, - rabbit β -globin IVS2.
PolyA - rabbit β -globin polyA site.

Comments - see sequence of rabbit fragment in layout "sequence"

Reference for VA0: Picard and Yamamoto (1987) EMBO J. 6, 3333-3340

DIDIER PICARD LAB, University of Geneva

Construct number 1146

Date entered 27.4.99

Constructed by Marcello Maggiolini

Date constructed 4/99

PLASMID NAME

pRK5/hAR

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pRK5

bacterial plasmid

pUC118

other relevant source constructs

pG1AR-II

Inserts human androgen receptor (hAR), full-length

Reporter gene

Promoter, CMV promoter, enhancer
splice, SV40 splice?
PolyA SV40 polyA

Comments also contains SP6 promoter for in vitro transcription/translation

Reference for vector pRK5, see: Luttrell LM et al 1993 Science 259: 1453-1457;
Koch WJ et al 1994 J Biol Chem 269(8): 6193-6197

Bhattacharya K,.....Picard D. The Hsp70-Hsp90 co-chaperone Hop/Stip1 shifts the proteostatic balance from folding towards degradation.

Construct number

1147

Date entered

30.4.99

Constructed by

R. Goodman's Lab

Date constructed

PLASMID NAME

pRc/RSV CREB

bacterial marker Amp

parent vector

pRc/RSV

bacterial plasmid

other relevant source constructs

Inserts

Wild type CREB

Reporter gene

Promoter,
splice,
PolyA

RSV promoter
BGH polyA

Comments

Reference

Construct number

1148

Date entered

30.4.99

Constructed by

R. Goodman's Lab

Date constructed

PLASMID NAME

pRc/RSV K-CREB

bacterial marker Amp

parent vector

pRc/RSV

bacterial plasmid

other relevant source constructs

Inserts

Mutant CREB (K-CREB=Killer CREB) DNA-binding deficient

Reporter gene

Promoter,
splice,
PolyA

RSV promoter
BGH polyA

Comments

Reference

Walton KM et al 1992Mol Endo 6(4):647-55

Construct number

1149

Date entered

12.5.99

Constructed by

Natasha Kralli's Lab

Date constructed

PLASMID NAME

pEGFP-HA/Lem6.91C

bacterial marker Kan

vertebrate marker Neo (G418)

parent vector

pEGFP-C1

bacterial plasmid

other relevant source constructs

Inserts

HA/Lem6 with N-terminal deletion (lacking AA 1-91) fused to EGFP. better dominant negative than the Lem6.91C without EGFP

EGFP-C1 (Clontech) Genbank U55763#

Reporter gene GFP

Promoter, CMV
splice, SV40 polyA
PolyA

Comments LEM6 = PGC1 α

Reference HA/Lem6 91C Knutti et al MCB 2000 20(7):2411-2422

Construct number

1150

Date entered

18.5.99

Constructed by

Julian Downward's lab

Date constructed

PLASMID NAME

p110*

alternative name

pcDNA3CD2p110myc

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

pcDNA3

bacterial plasmid

other relevant source constructs

Inserts

Constitutive active p110* (K227E) mutant of PI3 kinase p110 alpha catalytic subunit. Has a myc (9E10) epitope c-terminal of p110* and a CD2-fragment in aminoterminal of p110

Reporter gene

Promoter, CMV promoter
splice, BGH polyA
PolyA

Comments

Reference Rodriguez-Viciana P et al 1996 EMBOJ 15(10):2442-51

Construct number

1151

Date entered

18.5.99

Constructed by

Julian Downward's lab

Date constructed

PLASMID NAME

p85 Δ iSH2-N

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts

PI3 kinase regulatory subunit p85 alpha with deletion aa 478-513. It acts as dominant negative PI3kinase

Reporter gene

Promoter,
splice,
PolyA

SV40

Comments

Reference

Rodriguez-Viciano P et al 1996 EMBOJ 15(10):2442-51

Construct number

1152

Date entered

4.6.99

Constructed by

Novagen

Date constructed

PLASMID NAME

pET-3a

bacterial marker Amp

parent vector

bacterial plasmid

pBR322

other relevant source constructs

Inserts

Reporter gene

Promoter, T7 promoter
splice,
PolyA

Comments contains N-terminal T7-Tag upstream of a BamHI site, but no His6

Reference

Construct number

1153

Date entered

4.6.99

Constructed by

Novagen

Date constructed

PLASMID NAME

pET-19b

bacterial marker Amp

parent vector

bacterial plasmid

pBR322

other relevant source constructs

Inserts

Reporter gene

Promoter, T7 promoter - lac operator
splice,
PolyA

Comments - contains N-terminal His6-tag
- plasmid carries lacIq

Reference

Construct number
 Constructed by Clontech

Date entered 4.6.99
 Date constructed

PLASMID NAME

pEGFP-N1

bacterial marker Kan	parent vector
vertebrate marker Neo (G418)	bacterial plasmid pUC
eucaryotic replicon SV40 ori	other relevant source constructs

Inserts green fluorescent protein (GFP) mutant (F64L and S65T) with red shift and enhanced fluorescence; polylinker allows fusions to N-terminus of GFP.

Reporter gene

Promoter, splice, PolyA
 - CMV enhancer and promoter
 - SV40 poly A

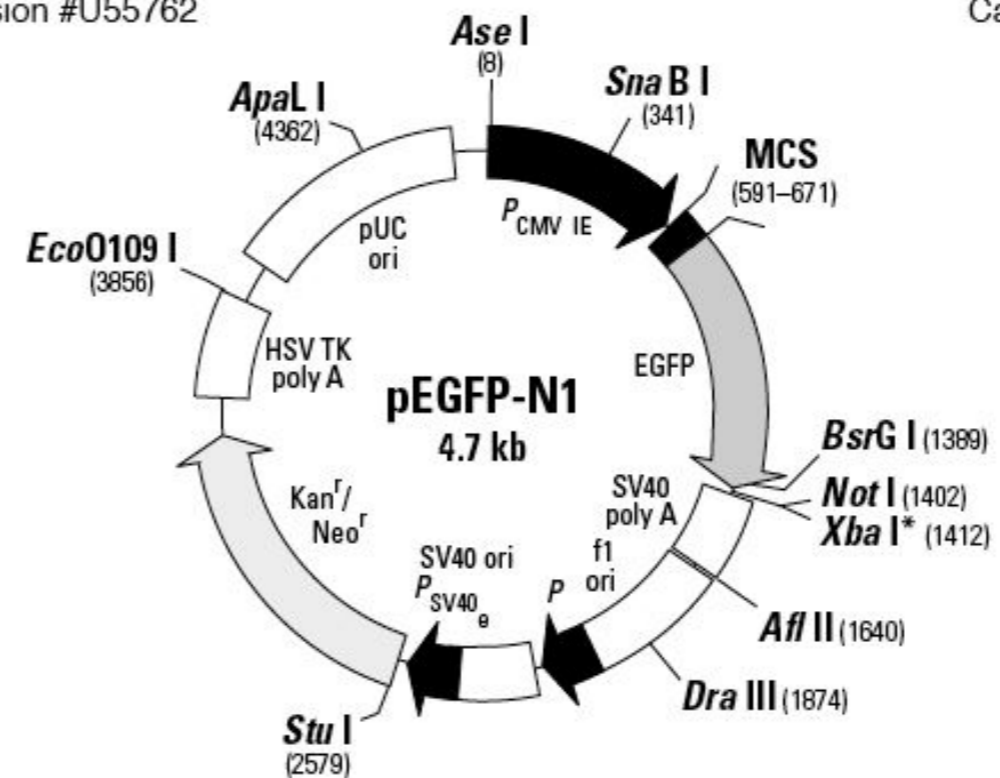
Comments
 - Careful: this plasmid does *not* have the Amp resistance!!!
 - sequence available

Reference

pEGFP-N1 Vector Information

GenBank Accession #U55762

PT3027-5
 Catalog #6085-1



591 601 611 621 631 641 651 661 671 EGFP
 G CTA GCG CTA CCG GAC TCA GAT CTC GAG CTC AAG CTT CGA ATT CTG CAG TCG ACG GTA CCG CGG GCC CGG GAT CCA CCG GTC GCC ACC ATG GTG
 Nhe I Eco47 III Bgl II Xho I Sac I Hind III EcoR I Pst I Sal I Kpn I Apa I BamH I Age I
 Ecl136 II Acc I Asp718 I Bsp120 I Xma I Sma I

Restriction Map and Multiple Cloning Site (MCS) of pEGFP-N1 Vector. All restriction sites shown are unique. The *Not*I site follows the EGFP stop codon. The *Xba*I site (*) is methylated in the DNA provided by BD Biosciences Clontech. If you wish to digest the vector with this enzyme, you will need to transform the vector into a *dam*⁻ and make fresh DNA.

Construct number

1155

Date entered

4.6.99

Constructed by

Clontech

Date constructed

PLASMID NAME

pEBFP-N1

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

bacterial plasmid

pUC

other relevant source constructs

Inserts

blue fluorescent variant of GFP (BFP) (mutations Y66H, F64L, S65T, Y145F) with enhanced fluorescence; polylinker allows fusions to N-terminus of BFP.

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments Careful: this plasmid does *not* have the Amp resistance!!!

Reference

Construct number

1156

Date entered

4.6.99

Constructed by

Suzie Scales (R. Schaller lab)

Date constructed

PLASMID NAME

pECFP-N3

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

bacterial plasmid

pUC

other relevant source constructs

Inserts cyan fluorescent variant of GFP (CFP) (mutations Y66W, F64L, S65T, N146I, M153T, V163A); polylinker allows fusions to N-terminus of CFP.

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments Careful: this plasmid does *not* have the Amp resistance!!!

Reference made in R. Schaller's lab in pEGFP-N3 (Clontech) backbone

Construct number

1157

Date entered

4.6.99

Constructed by

Suzie Scales (R. Schaller lab)

Date constructed

PLASMID NAME

pEYFP-N3

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

bacterial plasmid

pUC

other relevant source constructs

Inserts yellow fluorescent variant of GFP (YFP) (mutations S65G, V68L, S72A, T203Y, H231L); polylinker allows fusions to N-terminus of YFP.

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments Careful: this plasmid does *not* have the Amp resistance!!!

Reference made in R. Schaller's lab in pEGFP-N3 (Clontech) backbone

DIDIER PICARD LAB, University of Geneva

Construct number

1158

Date entered

14.6.99

Constructed by

Pierre-André Briand

Date constructed

9/99

PLASMID NAME

Gal93.ER(G)

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSCTEV gal93-LF0

bacterial plasmid

pSP64

other relevant source constructs

GAL848.ER(G),
Gal93.ER(V)L543/4A

Inserts

DNA binding domain + dimerization domain of GAL4 (AA 1-93) fused to hormone binding domain (HBD) of human estrogen receptor (hER) (AA 282-595) with wild-type G400

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2 and polyA

Comments - sequence available

Reference - for pSCTEVgal93: see Seipel et al. (1992) EMBO J. 11, 4961.
- this plasmid: Maggiolini et al. (2001) Mol. Pharmacol. 60, 595-602

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.6.99

Constructed by Bruno Cenni

Date constructed 25.5.99

PLASMID NAME

Gal93.ER(V) Δ D

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSCTEV gal93-LF0

bacterial plasmid

other relevant source constructs

Gal93.ER(V)

Inserts DNA binding domain + dimerization domain of GAL4 (AA 1-93) fused to hormone binding domain (HBD) of human estrogen receptor (hER) lacking the usual piece of hinge region (AA 302-595) with point mutation G400V

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2 and polyA

Comments

Reference for pSCTEVgal93: see Seipel et al. (1992) EMBO J. 11, 4961

Construct number

1160

Date entered

14.6.99

Constructed by

S. Rees

Date constructed

PLASMID NAME

pCIN4

alternative name

pIRESneo (available from Clontech)

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

pcDNA3

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter, - pCMV IE promoter
splice, - ECMV internal ribosome entry site (IRES)
PolyA - IVS intron
- bovine growth hormone polyA site

Comments Plasmid from Karl Matter's lab

Reference Rees et al. (1996) BioTechniques 20: 102

DIDIER PICARD LAB, University of Geneva

Construct number

1161

Date entered

15.6.99

Constructed by

Christoph Meier's lab

Date constructed

PLASMID NAME

pMTV-TRElap-CAT

bacterial marker Amp

parent vector

pGEM-4; pMTV-CAT (ATCC)

bacterial plasmid

pUC18

other relevant source constructs

Inserts

TRElap (5'-AGCTTGACCTGACGTCAGGTCAAGCTT-3') cloned into the HindIII site of pMTV-CAT (without GRE).

Reporter gene

CAT

Promoter,
splice,
PolyA

Comments

Reference

Meier et al. (1993) J. Clin. Invest. 92, 1986
Meier et al. (1992) Mol. Endo. 6, 248
Thompson CC et al. (1989) PNAS, 86, 3494

Construct number

1162

Date entered

15.6.99

Constructed by

Freedman's lab

Date constructed

PLASMID NAME

pGEX/GST-hER(HBD)

bacterial marker Amp

parent vector

pGEX

bacterial plasmid

other relevant source constructs

Inserts

GST fused to the human estrogen receptor hormone binding domain with Val400.

No sequence available!

Reporter gene

Promoter,
splice,
PolyA

Comments IPTG-inducible bacterial expression vector.

Reference

Construct number

1163

Date entered

18.6.99

Constructed by

via Patrick Linder

Date constructed

PLASMID NAME

pHT4467

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

pRS316

bacterial plasmid

BS

other relevant source constructs

Inserts ADE3 gene

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Venema and Tollervey (1996) EMBO J. 15, 5701-5714

DIDIER PICARD LAB, University of Geneva

Construct number

1164

Date entered

18.6.99

Constructed by

Pierre-André Briand

Date constructed

6/99

PLASMID NAME

pCUA3/Cpr6

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

pHT4467

bacterial plasmid

BS

other relevant source constructs

pyCyp40

Inserts Cpr6 gene

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference for pHT4467: Venema and Tollervey (1996) EMBO J. 15, 5701-5714

Construct number

1165

Date entered

18.6.99

Constructed by

Freedman's lab

Date constructed

PLASMID NAME

pcDNA3-FlagDRIP77

bacterial marker

Amp

Neo (G418)

parent vector

pcDNA.3

bacterial plasmid

other relevant source constructs

Inserts

DRIP77 fused to the Flag epitope (MS2 antibody)

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments

Reference

Construct number

1166

Date entered

18.6.99

Constructed by

Freedman's lab

Date constructed

PLASMID NAME

pcDNA3-FlagDRIP150

bacterial marker

Amp

Neo (G418)

parent vector

pcDNA.3

bacterial plasmid

other relevant source constructs

Inserts

DRIP150 fused to the Flag epitope (MS2 antibody)

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments

Reference

Construct number

1167

Date entered

18.6.99

Constructed by

Freedman's lab

Date constructed

PLASMID NAME

pcDNA3-FlagDRIP205

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

pcDNA.3

bacterial plasmid

other relevant source constructs

Inserts

DRIP205 fused to the Flag epitope (MS2 antibody)

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 1168

Date entered 22.6.99

Constructed by Elisabeth Jeannin

Date constructed 4.12.98p

PLASMID NAME

pGAD424hPR

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pGAD424

bacterial plasmid

pUC

other relevant source constructs

pSG5hPR

Inserts hPR ligand binding domain (aa 673 to 934) fused to the GAL4 activation domain

Reporter gene

Promoter, ADH1
splice,
PolyA

Comments hPR LBD is composed of the BamHI/HindIII digested PCR fragment (with oligonucleotides PR2521-/PR2014+ and pSG5hPR) fused to the HindIII/BamHI pSG5hPR fragment

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1169

Date entered

22.6.99

Constructed by

Elisabeth Jeannin

Date constructed

6.4.99

PLASMID NAME

pGBT9(1-93)SRC

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pGBT9 (1-93)

bacterial plasmid

pGBT9

other relevant source constructs

Inserts yeast GAL4 DNA binding domain (N-terminal 93 aa) fused to the hSRC1A motif (aa 568 to aa 782)

Reporter gene

Promoter, ADH1
splice,
PolyA

Comments

Reference

Jia Wei Liu, Elisabeth jeannin and Didier Picard
The anti-estrogen hydroxytamoxifen is a potent antagonist in a novel yeast system, 1999, Biol.Chem., Vol. 380, pp. 1341-1345

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.6.99

Constructed by Invitrogen

Date constructed

PLASMID NAME

pVP22/myc-His

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA3.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

Reporter gene

Promoter, CMV promoter/enhancer
splice, T7 promoter
PolyA BGH + SV40 polyA

Comments - Expression of proteins fused to VP22 and translocation of the fusion protein out of transfected cells into surrounding non-transfected cells.
Contains the c-myc epitope and a polyHis tag.
- sequence available

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1171

Date entered

25.6.99

Constructed by

P.A Briand

Date constructed

PLASMID NAME

pSG5 HE15(82)118A

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Human estrogen receptor α AA 1-281 with S118A mutation, and 3 aa substitution in the core of C region with the corresponding aa of the human glucocorticoid receptor (HE82 variant).

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 25.6.99

Constructed by P.A.Briand

Date constructed

PLASMID NAME

pSG5 HE15(104/6A/118A)

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

other relevant source constructs

HE15

Inserts Human estrogen receptor α AA 1-281 with S104A, S106A, and S118A mutations

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1173

Date entered

25.6.99

Constructed by

P.A.BRIAND

Date constructed

PLASMID NAME

pSG5 HE15(82)104/6A/118A

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

other relevant source constructs

HE15, HE82

Inserts

Human estrogen receptor α AA 1-281 with S104A, S106A and S118A mutations, and 3 aa substitution in the core of C region with the corresponding aa of the human glucocorticoid receptor (HE82 variant).

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 25.6.99

Constructed by P.A. Briand

Date constructed

PLASMID NAME

pSG HE15(82)104/6A

bacterial marker Amp

parent vector

pSG5 HE15

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

HE82, HE15

Inserts Human estrogen receptor α AA 1-281 with S104A and S106A mutations, and 3 aa substitution in the core of C region with the corresponding aa of the human glucocorticoid receptor (HE82 variant).

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference

Construct number 1175

Date entered 11.8.99

Constructed by Promega

Date constructed

PLASMID NAME

pRL-Null

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

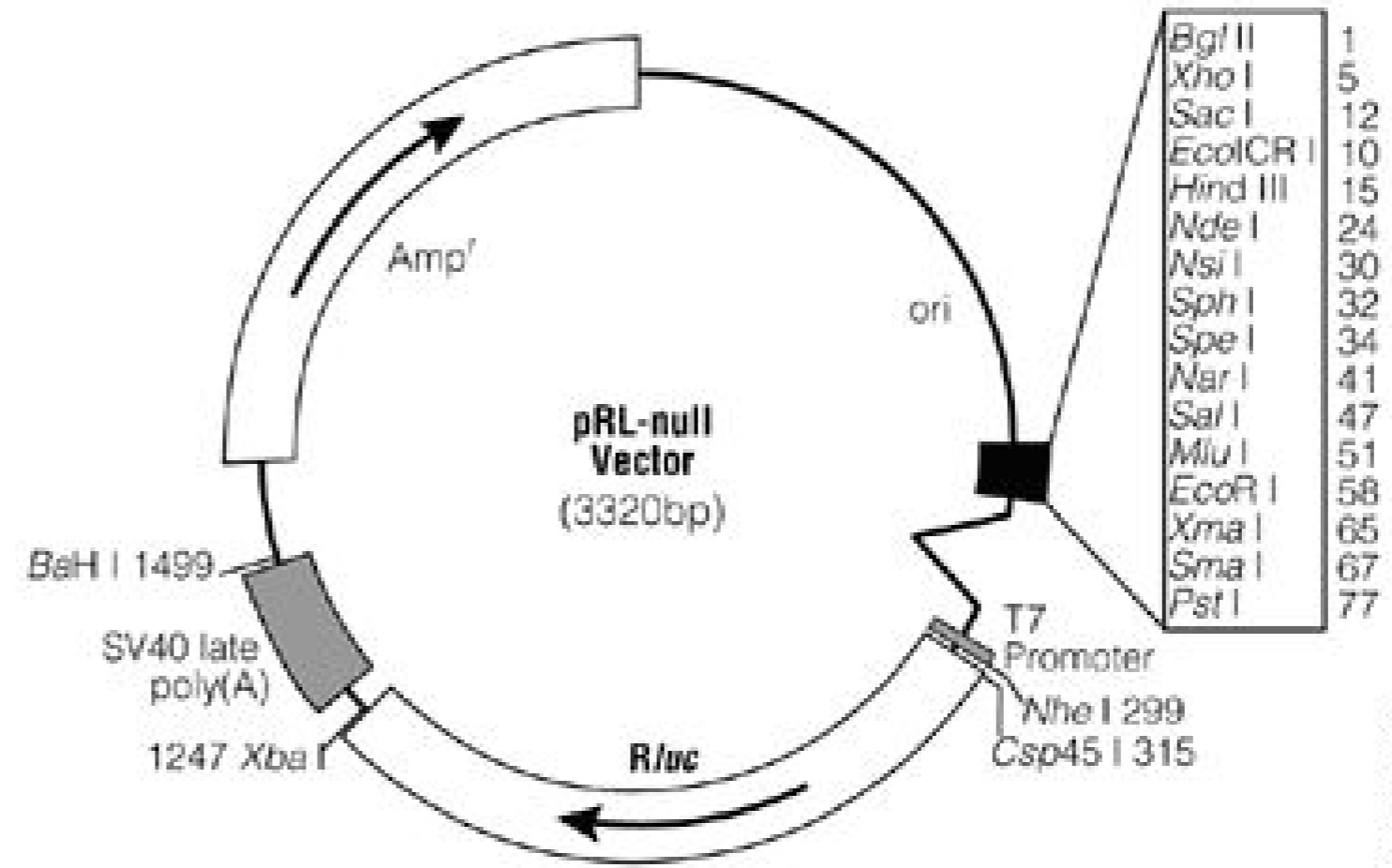
Inserts Renilla luciferase (from Renilla reniformis)

Reporter gene

Promoter, splice, PolyA - T7 promoter; no (!!!) eukaryotic promoter upstream of luciferase.
- SV40 late polyA site.

Comments - sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 11.8.99

Constructed by Catherine Cohet

Date constructed 07/99

PLASMID NAME

pCIN4-hER/Krab

alternative name

pCIN4-EGK

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

pcDNA3

bacterial plasmid

other relevant source constructs

EGK (n° 1111)

Inserts full-length human estrogen receptor (wild-type), fused to AA 1-100 of the human Kox-1 protein (Krab domains A and B: AA 11-53 and 54-75).

Reporter gene

Promoter, - pCMV IE promoter
splice, - ECMV internal ribosome entry site (IRES)
PolyA - IVS intron
- bovine growth hormone polyA site

Comments

Reference for pCIN4: Rees, S., et al. (1996) BioTechniques 20: 102
for KRAB: Margolin et al. (1994) PNAS 91, 4509

DIDIER PICARD LAB, University of Geneva

Construct number

1177

Date entered

11.8.99

Constructed by

Catherine Cohet

Date constructed

07/99

PLASMID NAME

pVP22-hER

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

pVP22/myc-His

bacterial plasmid

pUC

other relevant source constructs

Inserts

Full length human estrogen receptor (wild-type) fused to VP22.

Reporter gene

Promoter, CMV promoter/enhancer
splice, T7 promoter
PolyA BGH + SV40 polyA

Comments

The c-myc epitope and polyHis tag are not expressed.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 11.8.99

Constructed by Catherine Cohet

Date constructed 07/99

PLASMID NAME

pVP22-EVK

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

pVP22/myc-His

bacterial plasmid

pUC

other relevant source constructs

EVK (n° 1095), pCEP4-EVK (n° 1129)
pCIN4-EVK (n° 1176)

Inserts Fusion of VP22 to the full-length human estrogen receptor with Val 400 + AA 1-100 of the human Kox-1 protein (Krab domains A and B: AA 11-53 and 54-75).

Reporter gene

Promoter, CMV promoter/enhancer
splice, T7 promoter
PolyA BGH + SV40 polyA

Comments The c-myc epitope and polyHis tag are not expressed.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 12.8.99

Constructed by Olivier Donzé

Date constructed 10/5/98

PLASMID NAME

pYESGcn2

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYes2

bacterial plasmid

other relevant source constructs

Inserts yeast Gcn2

Reporter gene

Promoter,
splice,
PolyA Gal

Comments

Reference Donzé and Picard, *Mol Cell Biol.* 1999 Dec;19(12):8422-8432.

DIDIER PICARD LAB, University of Geneva

Construct number

1180

Date entered

12.8.99

Constructed by

Olivier Donzé

Date constructed

11/5/98

PLASMID NAME

pYESGcn2 Δ N

bacterial marker Amp

URA3

eucaryotic replicon 2 μ circle

parent vector

pYes.2

bacterial plasmid

other relevant source constructs

Inserts

yeast Gcn2 lacking amino acids 1 to 437 (according to old numbering of Gcn2). Start at the beginning of the kinase domain of Gcn2

Reporter gene

Promoter,
splice,
PolyA

Gal1

Comments

Reference Donzé and Picard, *Mol Cell Biol.* 1999 Dec;19(12):8422-8432.

DIDIER PICARD LAB, University of Geneva

Construct number

1181

Date entered

12.8.99

Constructed by

Olivier Donzé

Date constructed

11/5/99

PLASMID NAME

pYesGcn2 K559V

bacterial marker

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYes.2

bacterial plasmid

other relevant source constructs

pYesGcn2

Inserts

Gcn2 carrying a point mutation in the kinase domain at position 559 (lys-to-val). This mutant is dead for kinase activity.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Donzé and Picard, *Mol Cell Biol.* 1999 Dec;19(12):8422-8432.

DIDIER PICARD LAB, University of Geneva

Construct number

1182

Date entered

12.8.99

Constructed by

Olivier Donzé

Date constructed

9/8/99

PLASMID NAME

pYesFlagGcn2

bacterial marker Amp

URA3

eucaryotic replicon

parent vector

pYes

bacterial plasmid

other relevant source constructs

Inserts

Gcn2 fused to the FLAG tag peptide (MS2 antibody)

Reporter gene

Promoter,
splice,
PolyA

Gal1

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1183

Date entered

12.8.99

Constructed by

Olivier Donzé

Date constructed

11/8/99

PLASMID NAME

pYesFlagGcn2ΔN

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2μ circle

parent vector

pYes

bacterial plasmid

other relevant source constructs

pYesGcn2ΔN

Inserts yeast Gcn2 lacking amino acids 1 to 437 fused to the FLAG tag epitope.

Reporter gene

Promoter, Gal1
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1184

Date entered

16.8.99

Constructed by

Olivier Donzé

Date constructed

15/3/99

PLASMID NAME

pYesPKR

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYes.2

bacterial plasmid

other relevant source constructs

Inserts human PKR (eIF-2 α kinase)

Reporter gene

Promoter,
splice,
PolyA GAL1

Comments

Reference O. Donzé, T. Abbas-Terki and D. Picard (2001). The Hsp90 chaperone complex is both a facilitator and a repressor of the dsRNA-dependent kinase PKR. EMBO J. **20**, 3771-3780.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 17.8.99

Constructed by Bruno Cenni

Date constructed 5.5.99

PLASMID NAME

Gal93.ER(R)

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSCTEVGal93-LF0

bacterial plasmid

pSP64

other relevant source constructs

Gal93.ERΔD, pCMV5ERG521R

Inserts DNA binding domain + dimerization domain of GAL4 (AA 1-93) fused to hormone binding domain (HBD) of human estrogen receptor (hER) (AA 302-595) with point mutation G521R

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β-globin IVS2 and polyA

Comments

Reference for pSCTEVgal93: see Seipel et al. (1992) EMBO J. 11, 4961
for G521R Ekena et al (1996) JBC 271, 20053-20059
this plasmid: Maggiolini et al. (2001) Mol. Pharmacol. 60, 595-602.

DIDIER PICARD LAB, University of Geneva

Construct number

1186

Date entered

17.8.99

Constructed by

Bruno Cenni

Date constructed

7.7.99

PLASMID NAME

LERSN

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon

parent vector

pLXSN

bacterial plasmid

other relevant source constructs

HEG0

Inserts

hER wild-type full length
Vector allows for stable integration. If transfected into appropriate packaging cells infective, replication-deficient virus particles can be generated

Reporter gene

Promoter, MoMuLV LTR
splice,
PolyA

Comments Low level expression

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 17.8.99

Constructed by Bruno Cenni

Date constructed 7.7.99

PLASMID NAME

pET/GEH

bacterial marker Amp

parent vector

pET/GST

bacterial plasmid

other relevant source constructs

pET15b, HEG0

Inserts Bacterial expression vector (T7) that contains a GST (carboxyterminal) and His (aminoterminal) tagged wild-type hER hormone-binding domain (aa 302-595). To be used in BL21 bacteria.

Reporter gene

Promoter, T7
splice,
PolyA

Comments

Reference

Construct number

1188

Date entered

19.8.99

Constructed by

Bertrand Séraphin

Date constructed

PLASMID NAME

pBS1479

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

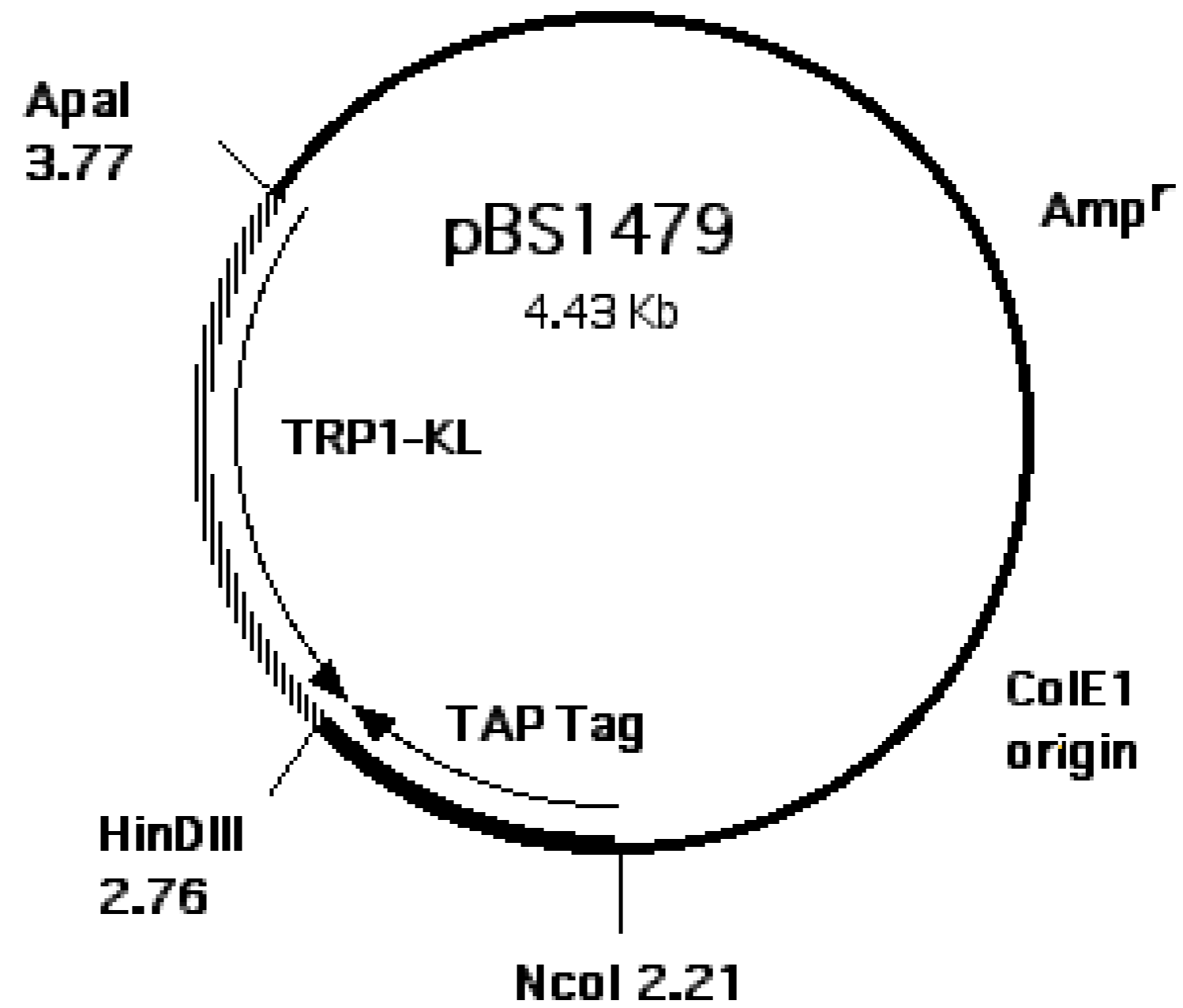
contains TAP (tandem affinity purification) and K. lactis TRP1 sequences as a subclone for PCR amplification for integration into yeast genome

Reporter gene

Promoter,
splice,
PolyA

Comments - map and sequence available

Reference Caspary et al. (1999) EMBO J. 18, 3463



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 19.8.99

Constructed by Olivier Donzé

Date constructed 11/8/99

PLASMID NAME

BSGcn1

bacterial marker Amp

parent vector

BS

bacterial plasmid

other relevant source constructs

BsGcn1:TRP1

Inserts Gcn1 cloned by PCR from position 451 to position 3030 (start site is at position 501). This represents just a part of the full length gene (about 8000 nts) used for knock out experiment (see BSGcn1:TRP1).

Reporter gene

Promoter, T7
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 19.8.99

Constructed by Olivier Donzé

Date constructed 18/8/99

PLASMID NAME

BSGcn1:TRP1

bacterial marker Amp

parent vector

BS

bacterial plasmid

other relevant source constructs

BSGcn1/ pTT8

Inserts Gcn1 (partial sequence) containing the TRP1 gene (in the opposite direction) at position 954.

Reporter gene

Promoter, T7
splice,
PolyA

Comments Used to generate knock out strain for Gcn1

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1191

Date entered

23.8.99

Constructed by

Olivier Donzé

Date constructed

23/8/99

PLASMID NAME

BSGcn1:2XTRP1

bacterial marker Amp

parent vector

BS

bacterial plasmid

other relevant source constructs

BSGcn1/ pTT8

Inserts

Gcn1 (partial sequence) containing two TRP1 genes in tandem at position 954.

Reporter gene

Promoter,
splice,
PolyA

T7

Comments Used to knock out the Gcn1 gene in Yeast

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 23.8.99

Constructed by Olivier Donzé

Date constructed 19/8/99

PLASMID NAME

pcDNA3 /FlagGcn2

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

pcDNA3

bacterial plasmid

other relevant source constructs

pYesFlagGcn2/ pcDN3.1 DRIP150

Inserts yeast Gcn2 kinase fused to the FLAG tag

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

1193

Date entered

24.8.99

Constructed by

Simak Ali's lab

Date constructed

20.5.99

PLASMID NAME

HEG0-S236A

alternative name

HE464

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

HEG0

Inserts

full-length human estrogen receptor (hER) cDNA with Gly400 (i.e. wild-type sequence) inserted at EcoRI site which has S236A point mutation (has one StuI site less than HEG0).

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

Reference for pSG5: Green et al. (1988) NAR 16, 369.
for HEG0-S236A: Chen et al. (1999) MCB 19(2): 1002-15

Construct number

1194

Date entered

24.8.99

Constructed by

Simak Ali's lab

Date constructed

20.5.99

PLASMID NAME

HEG0-S236E

alternative name

HE465

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

HEG0

Inserts

full-length human estrogen receptor (hER) cDNA with Gly400 (i.e. wild-type sequence) inserted at EcoRI site which has S236E point mutation.

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

Reference for pSG5: Green et al. (1988) NAR 16, 369.
for HEG0-S236E: Chen et al. (1999) MCB 19(2): 1002-15

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 24.8.99

Constructed by Bruno Cenni

Date constructed 20.8.99

PLASMID NAME

HEG0-S305A

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

HEG0

Inserts full-length human estrogen receptor (hER) cDNA with Gly400 (i.e. wild-type sequence) inserted at EcoRI site which has S305A point mutation.

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

Reference for pSG5: Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 24.8.99

Constructed by Bruno Cenni

Date constructed 20.8.99

PLASMID NAME

HEG0-S305E

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

HEG0

Inserts full-length human estrogen receptor (hER) cDNA with Gly400 (i.e. wild-type sequence) inserted at EcoRI site which has S305E point mutation.

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

Reference for pSG5: Green et al. (1988) NAR 16, 369.

Construct number

Date entered 26.8.99

Constructed by H. Endoh

Date constructed

PLASMID NAME

p68/pSG5

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

other relevant source constructs

Inserts p68 helicase full length

Reporter gene

Promoter, SV40, T7
splice,
PolyA

Comments

Reference MCB (1999), 19, 5363-5372

Construct number

1198

Date entered

26.8.99

Constructed by

H. Endoh

Date constructed

PLASMID NAME

p68 /pM

bacterial marker Amp

parent vector
pM (Clonotech)
bacterial plasmid

other relevant source constructs

Inserts p68 helicase fused to Gal4 DNA-binding domain

Reporter gene

Promoter, SV40
splice,
PolyA

Comments

Reference

Construct number

1199

Date entered

30.8.99

Constructed by

Meier's lab

Date constructed

PLASMID NAME

pGex2T N-CoR

bacterial marker Amp

parent vector

pGEX2T

bacterial plasmid

other relevant source constructs

Inserts

N-CoR (interacting domain 1: 2238-2453)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.8.99

Constructed by Meier's lab

Date constructed

PLASMID NAME

pGem N-CoR

bacterial marker

parent vector

pGem (Promega)

bacterial plasmid

other relevant source constructs

Inserts N-CoR full-length

Reporter gene

Promoter, T7
splice,
PolyA

Comments

Reference

Construct number

1201

Date entered

3.9.99

Constructed by

Date constructed

PLASMID NAME

pGEX-2T

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts bacterial vector for expression of GST fusion proteins

Reporter gene

Promoter,
splice,
PolyA tac

Comments also contains lacIq

Reference Smith and Johnson (1988) Gene 67, 31-40

DIDIER PICARD LAB, University of Geneva

Construct number

1202

Date entered

10.9.99

Constructed by

Pierre-André Briand

Date constructed

9/99

PLASMID NAME

pGex.ER α HBD

bacterial marker Amp

parent vector

pGEX-1

bacterial plasmid

other relevant source constructs

Gal93.ER(V), GAL848.ER(G)

Inserts

GST fused to the hormone binding domain (HBD) (AA 282-595) of the wild-type human estrogen receptor (ER)

Reporter gene

Promoter,
splice,
PolyA

IPTG-inducible tac

Comments

- also contains lacIq
- HBD is G400 !!!

Reference

for pGEX-1: Genbank accession number M21676 (Smith and Johnson (1988) Gene 67, 31-40).

DIDIER PICARD LAB, University of Geneva

Construct number

1203

Date entered

10.9.99

Constructed by

Pierre-André Briand

Date constructed

9/99

PLASMID NAME

BS/ER β

bacterial marker Amp

parent vector

pBluescript II KS+

bacterial plasmid

Bluescript

other relevant source constructs

pCMV5-hER β

Inserts human estrogen receptor β (hER β) cDNA

Reporter gene

Promoter,
splice,
PolyA T7

Comments may lack the N-terminal 45 AA.

Reference

Construct number

1204

Date entered

10.9.99

Constructed by

Stratagene

Date constructed

PLASMID NAME

pBluescript II KS+

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter, T7 / T3
splice,
PolyA

Comments

Reference

Construct number

1206

Date entered

10.9.99

Constructed by

Vanacker lab

Date constructed

PLASMID NAME

pSG5 Flag-ERR1

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts

Flag-tagged mouse ERR1 (=ERR α);
lacks the first 96 AA corresponding to the A/B domain;
DNA binding and transactivation like wild-type.

Reporter gene

Promoter, - SV40 early promoter.
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2.
- SV40 polyA site.

Comments

Reference

Construct number

1207

Date entered

10.9.99

Constructed by

Vanacker lab

Date constructed

PLASMID NAME

SFRE-luc

bacterial marker Amp

parent vector
pGL2-Promoter
bacterial plasmid

other relevant source constructs

Inserts Pentamer of SF1 response element (SFRE) in Bgl II site of SV40-luciferase reporter plasmid

Reporter gene luciferase

Promoter, - SV40 minimal promoter, nt 43-238
splice, - SV40 splice and polyA
PolyA

Comments - pGL2-Promoter is from Promega

Reference Vanacker et al. (1999) EMBO J. 18, 4270

Construct number

1208

Date entered

10.9.99

Constructed by

Vanacker lab

Date constructed

PLASMID NAME

SFRE-CAT

bacterial marker Amp

parent vector

pBL4 CAT

bacterial plasmid

other relevant source constructs

Inserts

Trimer of SF1 response element (SFRE) in Bgl II site of TK-CAT reporter plasmid

Reporter gene

CAT

Promoter,
splice,
PolyA

- minimal TK promoter

Comments

Reference

Vanacker et al. (1999) EMBO J. 18, 4270

DIDIER PICARD LAB, University of Geneva

Construct number

1209

Date entered

23.9.99

Constructed by

Pierre-André Briand

Date constructed

9/99

PLASMID NAME

pGEX/ER β HBD

bacterial marker Amp

parent vector

pGEX-1

bacterial plasmid

other relevant source constructs

Gal93.ER β

Inserts

GST fused to the hormone binding domain (HBD) (AA 244 - 530) of the wild-type human estrogen receptor β (ER β)

Reporter gene

Promoter,
splice,
PolyA

IPTG-inducible tac

Comments - also contains lacIq

Reference

for pGEX-1: Genbank accession number M21676 (Smith and Johnson (1988) Gene 67, 31-40).

DIDIER PICARD LAB, University of Geneva

Construct number

1211

Date entered

5.10.99

Constructed by

Bruno Cenni

Date constructed

1.10.99

PLASMID NAME

pCEP4/hD1A

bacterial marker Amp

vertebrate marker Hygromycin

EBV

parent vector

pCEP4

bacterial plasmid

other relevant source constructs

pCMV/hD1A

Inserts

1365 bp insert containing the whole coding sequence (1338 bp) of human D1A (dopamine D1A) receptor.

Reporter gene

Promoter, CMV enhancer/promoter
splice, SV40 polyA signal
PolyA

Comments

Reference pCMV5-hD1A(=pCMV5-D1): Dearry et al, 1990 Science 347: 72-76

Construct number

1212

Date entered

5.10.99

Constructed by

gordon peters

Date constructed

PLASMID NAME

h cyclin D1

bacterial marker Amp

parent vector
bluescript KS+
bacterial plasmid

other relevant source constructs

Inserts human cyclin D1 cDNA (900pb) cloned as BamHI -EcoRI fragment.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

1213

Date entered

7.10.99

Constructed by

Lindquist lab

Date constructed

PLASMID NAME

pTGpd/A41V

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pRS314

bacterial plasmid

other relevant source constructs

Inserts Yeast Hsp82 carrying a mutation at position 41 (alanine-to-valine).

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference Nathan and Lindquist, MCB, 15: 3917 (1995)

Construct number

1214

Date entered

7.10.99

Constructed by

Lindquist lab

Date constructed

PLASMID NAME

pTGpd/E381K

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pRS314

bacterial plasmid

other relevant source constructs

Inserts Yeast Hsp82 carrying mutations at position 381 (Glutamate-to-lysine)

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference Nathan and Lindquist, MCB, 15: 3917 (1995)

Construct number

1215

Date entered

22.10.99

Constructed by

Sorger/Pelham

Date constructed

PLASMID NAME

pHSE2-lacZ

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

pBR ?

other relevant source constructs

Inserts

heat-shock element (HSE):
CTAGAAGCTTCTAGAAGCTTCTAGAGGATCCCCG
as a Sal1-BamHI fragment in Xho1-Bgl2 sites

contains two perfect matches to consensus HSE, CNNGAANNTTCNNG

Regulated by Hsf1

Reporter gene lacZ

Promoter,
splice,
PolyA HSE upstream of *CYC1* TATA region (at -178)

Comments received from Peter Piper

Reference Sorger and Pelham (1988) EMBO J. 6, 3035-3041

Construct number

1216

Date entered

27.10.99

Constructed by

Mike Caron's Lab (Duke)

Date constructed

PLASMID NAME

Barr2-GFP

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEGFP-N3

bacterial plasmid

other relevant source constructs

Inserts

β -arrestin2 fused to GFP (S65T mutant). Allows to monitor in real time activation of G-protein-coupled receptors (when both receptor and Barr2-GFP overexpressed).

Reporter gene

GFP

Promoter,
splice,
PolyA

CMV ie
SV40 polyA
f1 ori
SV40 ori

Comments

Reference Barak LS et al. J Biol Chem 1997 272(44):27497-500

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 28.10.99

Constructed by Olivier Donzé

Date constructed 28/10/99

PLASMID NAME

pJUFO/GST

bacterial marker Amp

parent vector
pJUFO3xstops
bacterial plasmid

other relevant source constructs

Inserts GST

Reporter gene

Promoter,
splice,
PolyA lacz

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 28.10.99

Constructed by Olivier Donzé

Date constructed 20/7/99

PLASMID NAME

pJUFO/ER

bacterial marker Amp

parent vector
pJUFO3xstops
bacterial plasmid

other relevant source constructs

Inserts HBD of the human estrogen receptor (a.a 287 to 595)

Reporter gene

Promoter,
splice,
PolyA lacZ

Comments

Reference

Construct number 1219

Date entered 2.11.99

Constructed by Promega

Date constructed

PLASMID NAME

pRL-TK

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

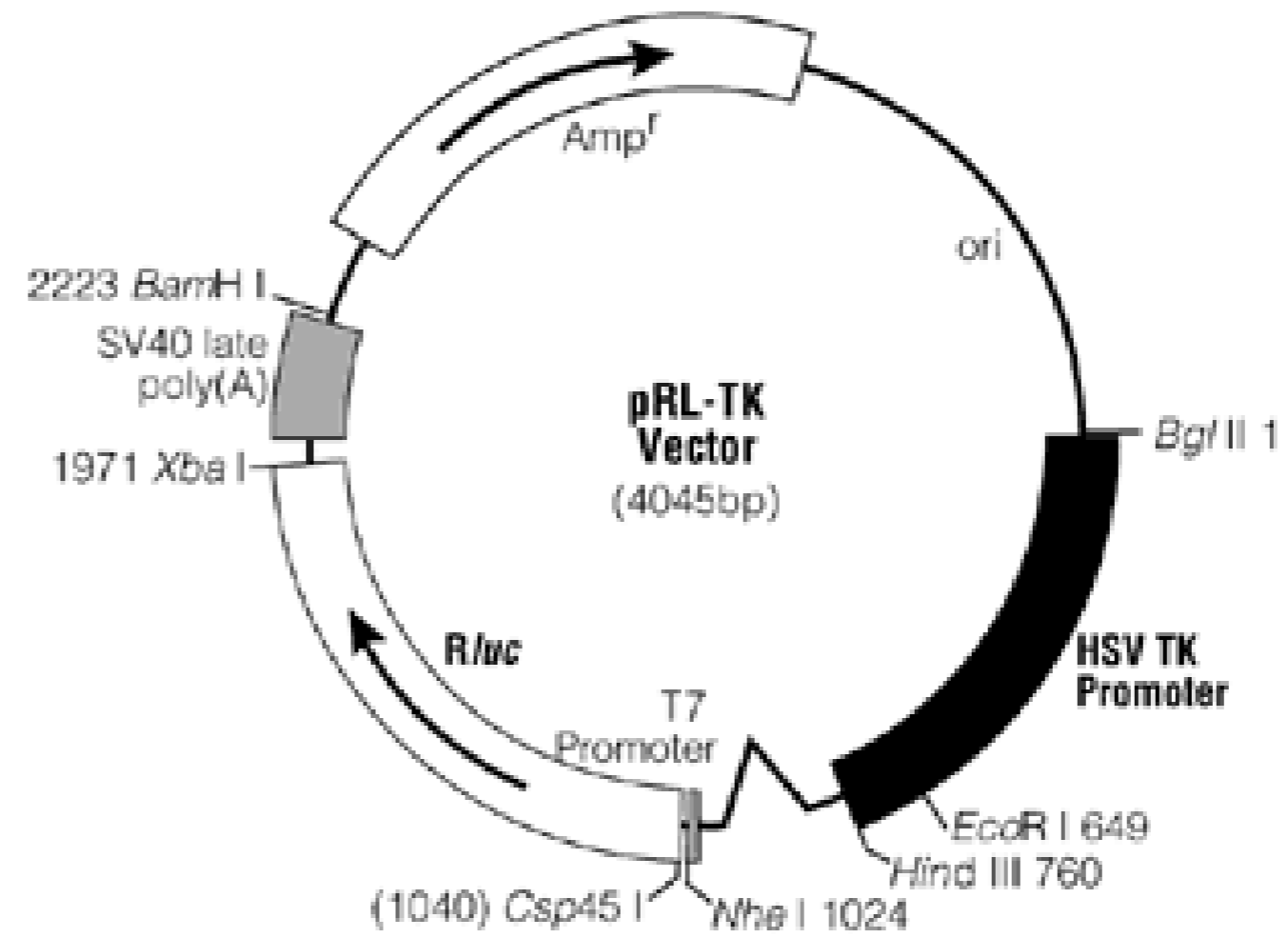
Inserts Renilla luciferase (from Renilla reniformis)

Reporter gene

Promoter, splice, PolyA HSV TK promoter
Chimeric intron
T7 promoter
SV40 late polyA

Comments - sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

1220

Date entered

5.11.99

Constructed by

Pierre-André Briand

Date constructed

11.99

PLASMID NAME

pET/Cpr7

bacterial marker Amp

parent vector

pET-15b

bacterial plasmid

pBR

other relevant source constructs

p2U/GST.Cpr7

Inserts

full-length Cpr7 from budding yeast

Reporter gene

Promoter, T7 promoter, AUG, His-tag, thrombin cut site, Cpr7, T7 terminator.
splice,
PolyA

Comments Plasmid carries lacI gene.

Reference

Construct number

1221

Date entered

9.11.99

Constructed by

Clontech

Date constructed

PLASMID NAME

pIRESpuro2

bacterial marker Amp

vertebrate marker Puromycin

parent vector

bacterial plasmid

other relevant source constructs

Inserts

CMV enhancer/promoter - MCS - attenuated internal ribosome entry site (IRES) - puromycin resistance

Reporter gene

Promoter, - CMV
splice, - synthetic intron
PolyA - bovine GH polyA

Comments - sequence available

Reference

Construct number

1222

Date entered

9.11.99

Constructed by

Piper's lab

Date constructed

PLASMID NAME

pYes/CNS1

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYes.2

bacterial plasmid

other relevant source constructs

Inserts CNS1

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

1223

Date entered

10.11.99

Constructed by

Vogelstein lab

Date constructed

PLASMID NAME

pAdEasy-1

bacterial marker Amp

parent vector

bacterial plasmid

pBR322?

other relevant source constructs

Inserts

Human adenovirus type 5 without the E1 genes (nucleotides 1 - 3'533) and the E3 gene (nucleotides 28'130 - 30'820)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

He et al. (1998) PNAS 95, 2509; see also www.coloncancer.org

Construct number

1224

Date entered

10.11.99

Constructed by

Vogelstein lab

Date constructed

PLASMID NAME

pAdEasy-2

bacterial marker Amp

parent vector

bacterial plasmid

pBR322?

other relevant source constructs

Inserts

Human adenovirus type 5 without the E1 genes (nucleotides 1 - 3'533), the E3 gene (nucleotides 28'130 - 30'820) and the E4 gene (nucleotides 32'816 - 35'462)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

He et al. (1998) PNAS 95, 2509; see also www.coloncancer.org

Construct number

1225

Date entered

10.11.99

Constructed by

Vogelstein lab

Date constructed

PLASMID NAME

pShuttle

bacterial marker Kan

parent vector

bacterial plasmid

pBR322

other relevant source constructs

Inserts

Human adenovirus type 5 sequences: left arm (nucleotides 34'931 - 35'935), inverted terminal repeat (ITR) and packaging signal sequences (nt 1 - 480), right arm (nucleotides 3'534 - 5'790)

Polylinker for insertion of transgenes with their own promoter.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference He et al. (1998) PNAS 95, 2509; see also www.coloncancer.org

Construct number

1226

Date entered

10.11.99

Constructed by

Vogelstein lab

Date constructed

PLASMID NAME

pShuttle-CMV

bacterial marker Kan

parent vector

bacterial plasmid

pBR322

other relevant source constructs

Inserts

Human adenovirus type 5 sequences: left arm (nucleotides 34'931 - 35'935), inverted terminal repeat (ITR) and packaging signal sequences (nt 1 - 480), right arm (nucleotides 3'534 - 5'790)

In contrast to pShuttle, this vector contains a CMV enhancer/promoter preceding the polylinker, followed by a polyadenylation site (from pEGFP-C1).

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - PolyA
PolyA

Comments

Reference He et al. (1998) PNAS 95, 2509; see also www.coloncancer.org

Construct number

1227

Date entered

10.11.99

Constructed by

Vogelstein lab

Date constructed

PLASMID NAME

pAdTrack

bacterial marker Kan

parent vector

pShuttle

bacterial plasmid

pBR322

other relevant source constructs

Inserts

Human adenovirus type 5 sequences: left arm (nucleotides 34'931 - 35'935), inverted terminal repeat (ITR) and packaging signal sequences (nt 1 - 480), right arm (nucleotides 3'534 - 5'790)

Polylinker for insertion of transgenes with their own promoter.

Enhanced GFP (EGFP) driven by CMV enhancer/promoter (from pEGFP-C1).

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference He et al. (1998) PNAS 95, 2509; see also www.coloncancer.org

Construct number

1228

Date entered

10.11.99

Constructed by

Vogelstein lab

Date constructed

PLASMID NAME

pAdTrack-CMV

bacterial marker Kan

parent vector

pShuttle-CMV

bacterial plasmid

pBR322

other relevant source constructs

Inserts

Human adenovirus type 5 sequences: left arm (nucleotides 34'931 - 35'935), inverted terminal repeat (ITR) and packaging signal sequences (nt 1 - 480), right arm (nucleotides 3'534 - 5'790)
Enhanced GFP (EGFP) driven by CMV enhancer/promoter (from pEGFP-C1).
Compared to pAdTrack, this vector also contains a CMV enhancer/promoter preceding the polylinker, followed by a polyadenylation site (from pEGFP-C1).

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - PolyA
PolyA

Comments

Reference He et al. (1998) PNAS 95, 2509; see also www.coloncancer.org

Construct number

1229

Date entered

10.11.99

Constructed by

Stratagene

Date constructed

PLASMID NAME

pESC-LEU

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pESC

bacterial plasmid

other relevant source constructs

Inserts

Vector for inducible expression in yeast. Contains DNA sequences coding for FLAG and MYC epitopes.

Reporter gene

Promoter, GAL1 and GAL10
splice,
PolyA

Comments - sequence available

Reference

Construct number

1230

Date entered

11.11.99

Constructed by

Katzenellenbogen lab

Date constructed

PLASMID NAME

pCMVhER Y537S

bacterial marker Amp

parent vector

pCMV5

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts full-length human estrogen receptor (hER) with point mutation Y537S (constitutively active).

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - hGH 3' sequence
PolyA

Comments - ER cDNA is cloned into BamHI site
- there is a Bgl2 site at the mutation.

Reference Weis et al. (1996) Mol. Endo. 10, 1388

Construct number

1231

Date entered

11.11.99

Constructed by

Stratagene

Date constructed

PLASMID NAME

pESC-TRP

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pESC

bacterial plasmid

other relevant source constructs

pESC-LEU

Inserts

Vector for inducible expression in yeast. Contains DNA sequences coding for FLAG and MYC epitopes.

Reporter gene

Promoter, GAL1 and GAL10
splice,
PolyA

Comments - sequence available

Reference

Construct number

1232

Date entered

13.11.99

Constructed by

lindquist's lab

Date constructed

PLASMID NAME

pGPDluxAB(his)

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Luciferase fusion protein.
This protein is ts.

Reporter gene

Promoter,
splice,
PolyA

GPD

Comments

Reference

Construct number

1233

Date entered

13.11.99

Constructed by

lindquist's lab

Date constructed

PLASMID NAME

pYs104

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS ?

parent vector

pRS316

bacterial plasmid

other relevant source constructs

Inserts Hsp104 genomic sequence.

Reporter gene

Promoter,
splice,
PolyA own promotor

Comments

Reference Sanchez and Lindquist ,Science 248, 1112, 1115 (1990)

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 19.11.99

Constructed by Bruno Cenni

Date constructed 10.10.99

PLASMID NAME

pSG5/ER(G)ML543/4AA

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector
pSG5, HEG0
bacterial plasmid

other relevant source constructs
Gal93.ER(G)L543/4A

Inserts Human estrogen receptor alpha (hER) full length with point mutations ML543/4AA that abolish AF-2.

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2 and polyA

Comments

Reference for pSG5: Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

1235

Date entered

23.11.99

Constructed by

Pierre-André Briand

Date constructed

11.99

PLASMID NAME

pSP6/ER α A⁺

bacterial marker Amp

parent vector

pSP64Poly(A)

bacterial plasmid

pSP64

other relevant source constructs

pG/ER(G)

Inserts cDNA of human estrogen receptor α

Reporter gene

Promoter, - SP6
splice, - "synthetic" PolyA of 30 A's
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 26.11.99

Constructed by toufik

Date constructed 11.99

PLASMID NAME

pYes/flag

alternative name

pYFL or pYES2/flag

bacterial marker Amp

parent vector

pYes2

bacterial plasmid

yeast marker URA3

other relevant source constructs

eucaryotic replicon 2 μ circle

Inserts Flag sequence introduced in the SacI BamHI sites.

This plasmid was made for tagging protein in the N-terminus.

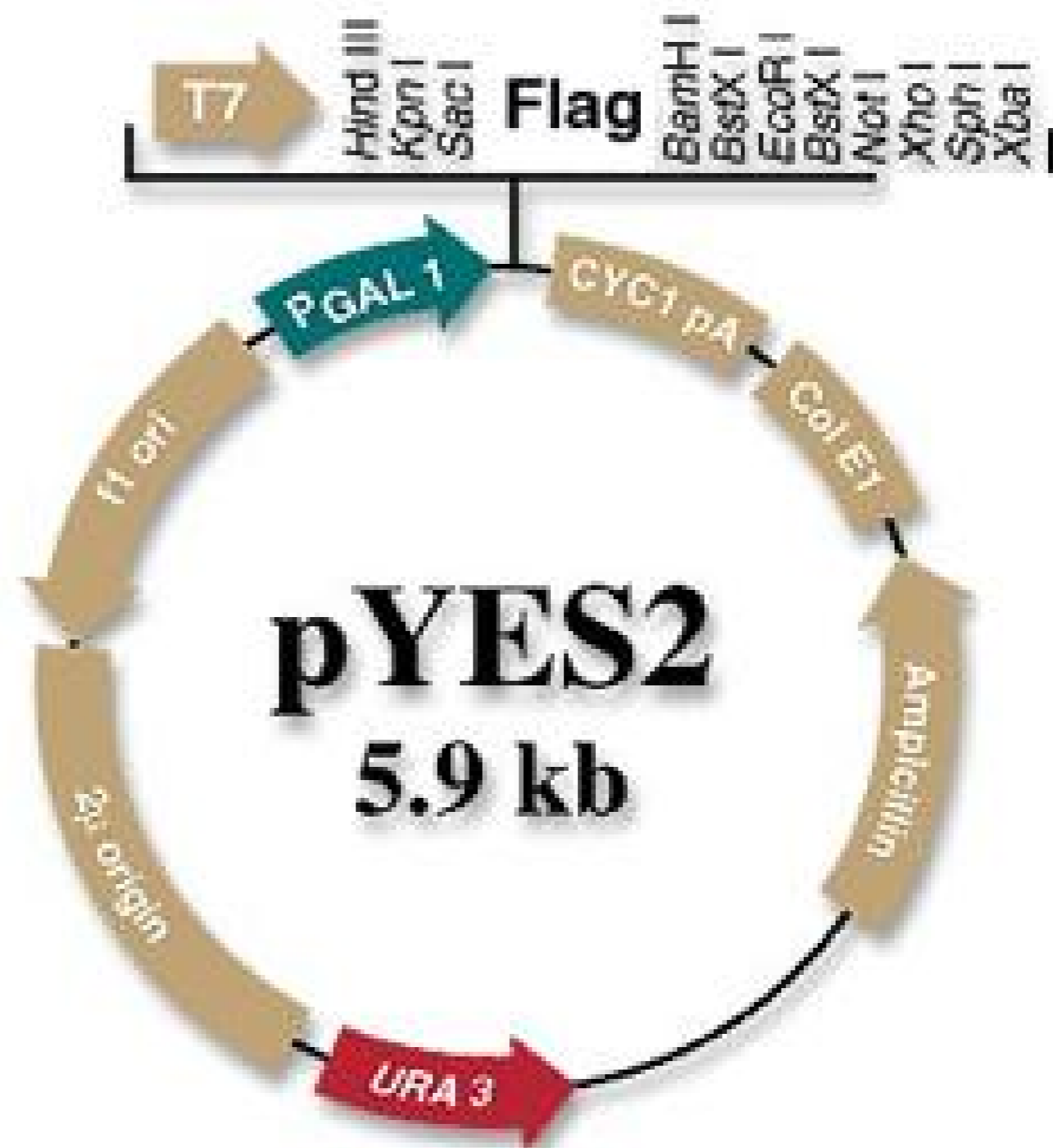
gagctcAAAGC **ATG** GAC TAC AAG GAC GAC GAT GAC AAG GGG ATC
C

Reporter gene

Promoter, splice, PolyA GAL1

Comments it works!

Reference Abbas-Terki et al. (2001) Mol. Cell. Biol. 21, 7569–7575.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.11.99

Constructed by nathalie bot

Date constructed nov.1999

PLASMID NAME

mERK2-EGFP

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEGFP-N1

bacterial plasmid

pUC

other relevant source constructs

BS/ERK2

Inserts coding sequence of mouse ERK2.

Reporter gene

Promoter, CMV enhancer and promoter

splice,

PolyA

SV40 poly A

Comments fusion of geen fluorescent protein to the c terminus of mouse ERK2

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.11.99

Constructed by nathalie bot

Date constructed nov.1999

PLASMID NAME

BS/mERK2

bacterial marker Amp

parent vector

BS+

bacterial plasmid

pBluescript M13+

other relevant source constructs

pGEX-ERK2

Inserts mouse ERK2 .coding sequence.

Reporter gene

Promoter,
splice,
PolyA

Comments only the coding sequence of ERK2 inserted. It has no Stop codon.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.11.99

Constructed by nathalie bot

Date constructed nov.1999

PLASMID NAME

pCEP4/hER(G)

bacterial marker Amp

vertebrate marker Hygromycin

eucaryotic replicon EBV

parent vector

pCEP4

bacterial plasmid

pUC

other relevant source constructs

pG/hER (G)

Inserts human estrogen receptor alpha (glycin 400)

Reporter gene

Promoter, CMV enhancer/ promoter
splice, SV40 poly A signal
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.11.99

Constructed by nathalie bot

Date constructed nov.1999

PLASMID NAME

pCMV5-hERbeta Y488A

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pCMV5

bacterial plasmid

other relevant source constructs

Inserts human estrogen receptor beta, the short form (aa 54-531). Point mutation of aa488 from tyrosine to alanine.

Reporter gene

Promoter,
splice,
PolyA CMV

Comments This point mutation must render the receptor constitutively active

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.11.99

Constructed by nathalie bot

Date constructed nov.1999

PLASMID NAME

GAL93.hER β Y488A

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSCTEV gal93-LFO

bacterial plasmid

other relevant source constructs

GAL93.ER β and BS/ER β

Inserts human ER beta HBD (aa 245-531) fused to GAL DNA-binding domain AA(1-93). aa Y 488 is changed into an alanine

Reporter gene

Promoter, CMV
splice, T7 RNA polymerase promoter
PolyA rabbit b-globulin IVS2 and poly A

Comments

Reference

Construct number 1243

Date entered 30.11.99

Constructed by Fedor

Date constructed 01/09/00

PLASMID NAME

pYES2/SBA1

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES2

bacterial plasmid

other relevant source constructs

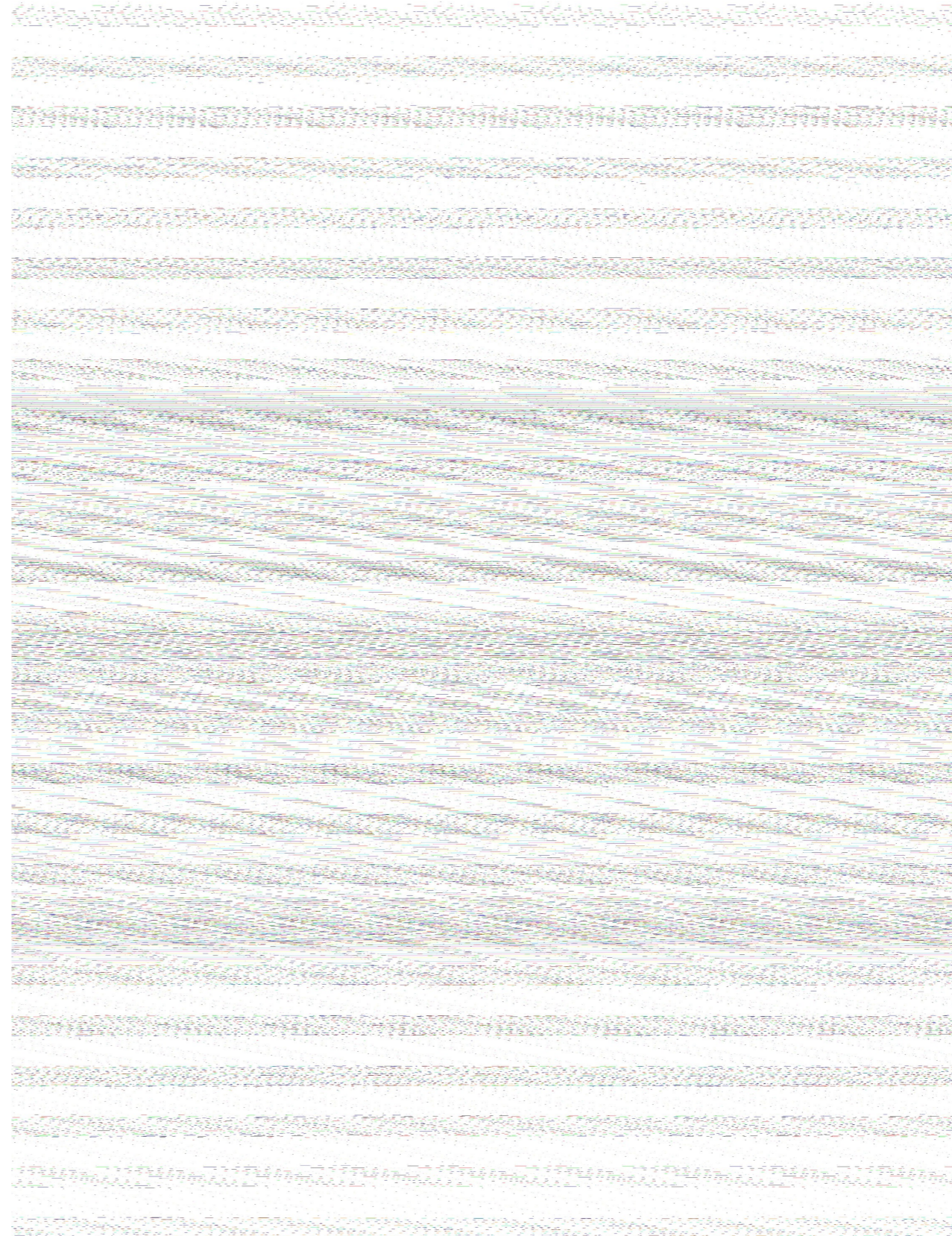
Inserts Yeast p23 (SBA1)

Reporter gene

Promoter,
splice,
PolyA Gal1

Comments SBA1 cloned by PCR and checked by sequencing
originally cloned by Marc Fischer, then recloned by Fedor

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.11.99

Constructed by Fedor Forafonov

Date constructed 01/09/00

PLASMID NAME

pYFL-SBA1

alternative name

pYES2/flag::SBA1

<u>bacterial marker</u> Amp	<u>parent vector</u> pYES2
<u>yeast marker</u> URA3	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> 2 μ circle	<u>other relevant source constructs</u> pYES2/flag

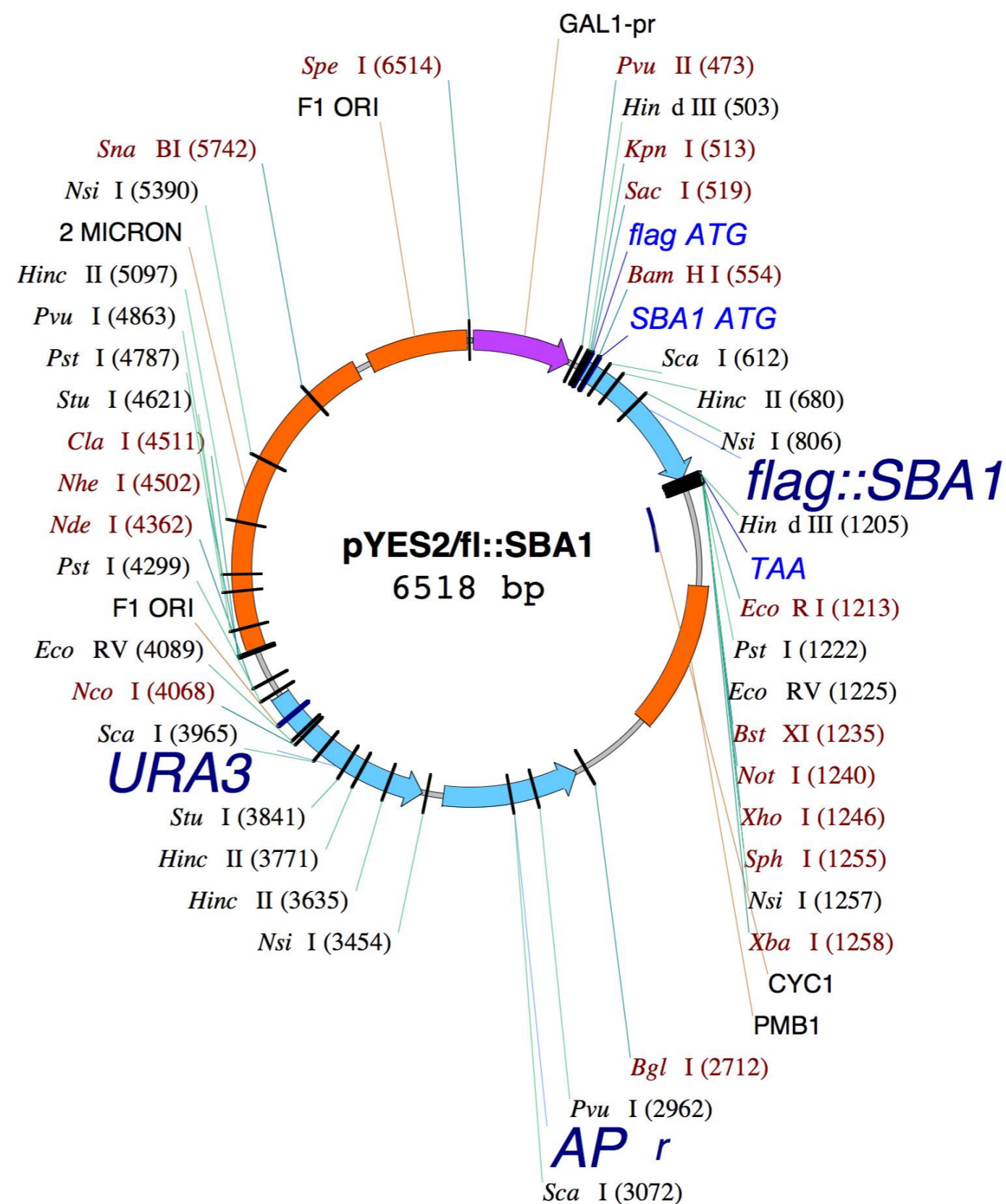
Inserts Yeast p23 (SBA1).
Flag fused to SBA1 (BamHI site).

Reporter gene

Promoter, splice, PolyA Gal1

Comments SBA1 cloned by PCR and checked by sequencing, originally cloned by Marc Fischer, then recloned by Fedor

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.11.99

Constructed by Fedor Forafonov

Date constructed 01/09/00

PLASMID NAME

pYFL-sba1 Δ 1-129

alternative name

pYES2/flag::sba1 Δ 1-129

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES2

bacterial plasmid

other relevant source constructs

pYES2/flag

Inserts Yeast p23 (SBA1) with amino acids 1 to 129 deleted.
Flag fused to sba1 Δ 1-129 (BamHI site).

Reporter gene

Promoter, Gal1
splice,
PolyA

Comments sba1 Δ 1-129 cloned by PCR and checked by sequencing.
originally cloned by Marc Fischer, then recloned by Fedor

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1246

Date entered

30.11.99

Constructed by

Fedor Forafonov

Date constructed

01/09/00

PLASMID NAME

pYFL-sba1 Δ 131-217

alternative name

pYES2/flag::sba1 Δ 131-217

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES2

bacterial plasmid

other relevant source constructs

pYES2/flag

Inserts

Yeast p23 (SBA1) with amino acids 130 to 217 deleted.
Flag fused to sba1 Δ 130-217 (BamHI site).

Reporter gene

Promoter,
splice,
PolyA Gal1

Comments

sba1 Δ 131-217 cloned by PCR and checked by sequencing.
originally cloned by Marc Fischer, then recloned by Fedor

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.11.99

Constructed by nathalie bot

Date constructed nov.1999

PLASMID NAME

BS/hER β Y488A

bacterial marker Amp

parent vector
pBluescript KS+
bacterial plasmid
pBluescript
other relevant source constructs
BS/ER β

Inserts human estrogen receptor b cDNA with a point mutation that changes tyrosine 488 into an alanine (constitutively active).
short version of cDNA (aa 54-531)

Reporter gene

Promoter, T7
splice,
PolyA

Comments 500 last bp has been sequenced and revealed no other mutations than the point one.

Reference

Construct number

1249

Date entered

30.11.99

Constructed by

Martin Eiler's Lab

Date constructed

PLASMID NAME

BJ3-Mad

bacterial marker Amp

parent vector

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts Human Mad cDNA

Reporter gene

Promoter, SV40 early promoter
splice, SV40 small t IVS and large T poly A
PolyA

Comments

Reference

Construct number

1250

Date entered

30.11.99

Constructed by

Martin Eiler's Lab

Date constructed

PLASMID NAME

pcDNA3-Myc wt

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA3

bacterial plasmid

other relevant source constructs

Inserts Myc cDNA

Reporter gene

Promoter, CMV promoter
splice, BGH polyA
PolyA

Comments

Reference

Construct number

1251

Date entered

30.11.99

Constructed by

Martin Eiler's Lab

Date constructed

PLASMID NAME

pX-p21

alternative name

pX-WAF1

bacterial marker

Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Human p21 (WAF 1) cDNA

Reporter gene

Promoter,
splice,
PolyA

CMV promoter
SV40 polyA
T7 promoter

Comments

Reference

Construct number

1252

Date entered

30.11.99

Constructed by

Martin Eiler's Lab

Date constructed

PLASMID NAME

pX-p16

alternative name

pX-p16 INK4

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts p16 INK4 cDNA

Reporter gene

Promoter, CMV promoter
splice, SV40 polyA
PolyA T7 promoter

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1253

Date entered

30.11.99

Constructed by

Bruno Cenni

Date constructed

11.99

PLASMID NAME

G-ER

bacterial marker Amp

parent vector

EBG

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

pCMV-ER, HEG0

Inserts Full length wild-type human ER cDNA fused to GST-C terminus.

Reporter gene

Promoter, EF-1 alpha promoter
splice, SV40 ori
PolyA GST (+thrombin cleavage site)
hGCSF polyA/intron?

Comments

Reference The original pEBG is based on pEF-BOS: Mizushima and Nagata (1990)
NAR **18**, 5322
(For pEBG-SEK1 Sanchez I et al Nature 1994 V372: 794-798)

Construct number

1254

Date entered

3.12.99

Constructed by

Karim labib (Diffley lab ICRF)

Date constructed

PLASMID NAME

pKL54

bacterial marker Amp

yeast marker HIS3

parent vector

pRS303

bacterial plasmid

other relevant source constructs

Inserts UBR1 (N-recogin) involved in the N-end rule (ubiquitin)

Reporter gene

Promoter,
splice,
PolyA Gal1

Comments

Reference Dohmen et al., Science, 263: 1273 (1994)

Construct number

1255

Date entered

3.12.99

Constructed by

Date constructed

PLASMID NAME

pPW66

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts Encode for theN-degron with Ubi-Arg-DHFR

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Dohmen et al., Science, 263: 1273 (1994)

Construct number

1256

Date entered

6.12.99

Constructed by

Dennis Thiele's lab

Date constructed

PLASMID NAME

p416SCH9

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

pRS416

bacterial plasmid

BS

other relevant source constructs

Inserts

SCH9 gene with its own promoter from *S. cerevisiae*

Reporter gene

Promoter,
splice,
PolyA SCH9 promoter

Comments

Reference for pRS416: Sikorski and Hieter (1989) Genetics 122, 19-27.
for plasmid itself: Morano and Thiele (1999) EMBO J. 18, 5953

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.12.99

Constructed by Fedor Forafonov

Date constructed 01/09/00

PLASMID NAME

pYFL-sba1 Δ 1-80

alternative name

pYES2/flag::sba1 Δ 1-80

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES2

bacterial plasmid

other relevant source constructs

pYES2/flag

Inserts Yeast p23 (SBA1) with amino acids 1 to 80 deleted.
Flag fused to sba1 Δ 1-80 (BamHI site).

Reporter gene

Promoter,
splice,
PolyA Gal1

Comments sba1 Δ 1-80 cloned by PCR and checked by sequencing.
originally cloned by Marc Fischer, then recloned by Fedor

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.12.99

Constructed by Fedor Forafonov

Date constructed 01/09/00

PLASMID NAME

pYFL-sba1 Δ 102-113

alternative name

pYES2/flag::sba1 Δ 102-113

<u>bacterial marker</u> Amp	<u>parent vector</u> pYES
<u>yeast marker</u> URA3	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> 2 μ circle	<u>other relevant source constructs</u> pYES2/flag

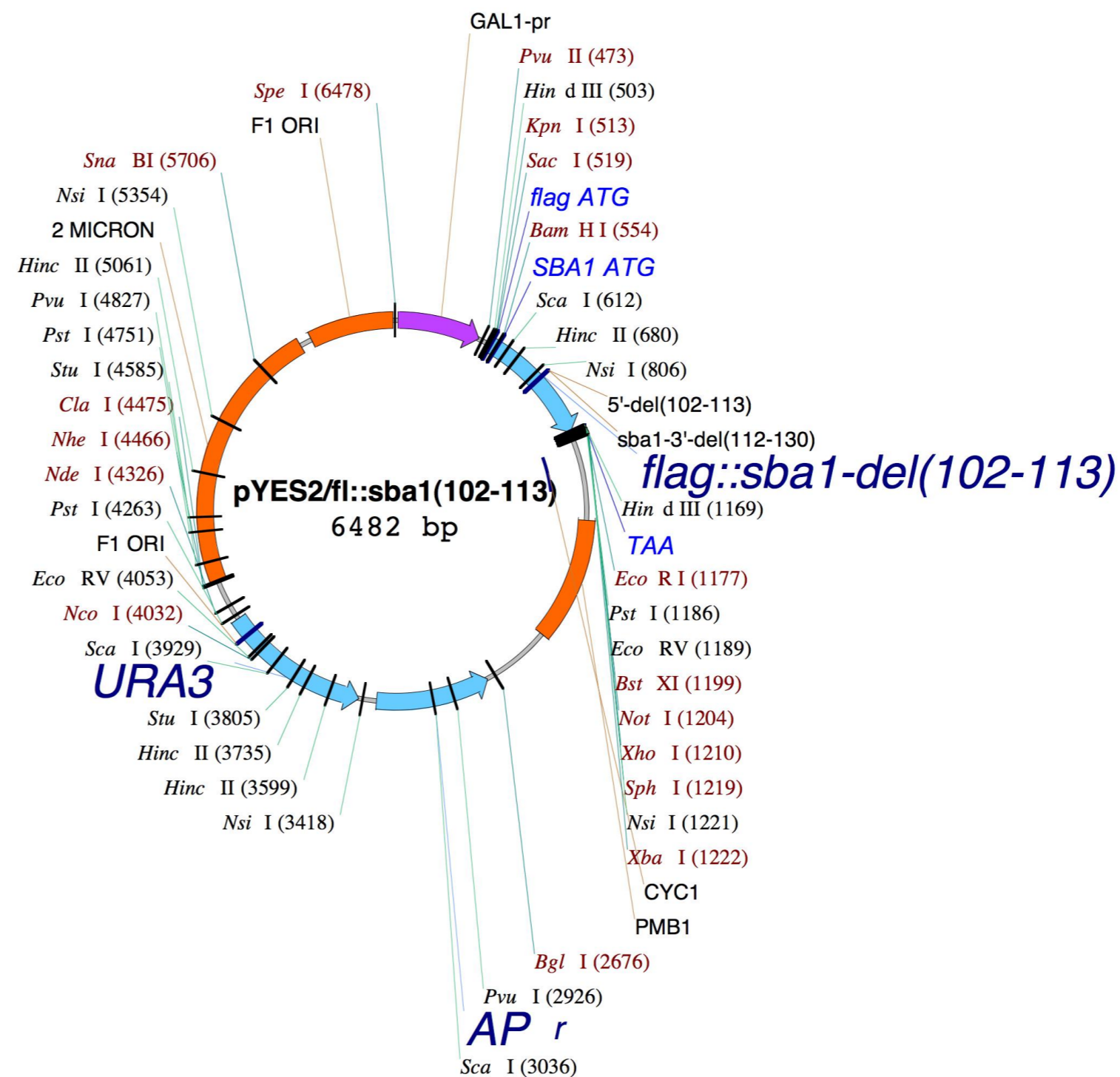
Inserts Yeast p23 (SBA1) with amino acids 102 to 113 deleted. Flag fused to sba1 Δ 102-113 (BamHI site).

Reporter gene

Promoter, splice, PolyA Gal1

Comments sba1 Δ 102-113 cloned by PCR and checked by sequencing. originally cloned by Marc Fischer, then recloned by Fedor

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.12.99

Constructed by Marc Fischer

Date constructed 30/11/99

PLASMID NAME

pYES2/sba1 Δ 102-113

bacterial marker Amp

yeast marker URA3

parent vector

pYES2

bacterial plasmid

other relevant source constructs

Inserts Yeast p23 (SBA1) with amino acids 102 to 113 deleted.

Reporter gene

Promoter,
splice,
PolyA Gal1

Comments SBA1 Δ 102-113 cloned by PCR and checked by sequencing.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.12.99

Constructed by Marc Fischer

Date constructed 30/11/99

PLASMID NAME

pBsM13+/SBA1

bacterial marker Amp

parent vector

BsM13+

bacterial plasmid

other relevant source constructs

Inserts Yeast p23 (SBA1).

Reporter gene

Promoter,
splice,
PolyA Gal1

Comments SBA1 cloned by PCR and checked by sequencing.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.12.99

Constructed by Marc Fischer

Date constructed 30/11/99

PLASMID NAME

pBsM13+/sba1 Δ 102-113

bacterial marker Amp

parent vector

BsM13+

bacterial plasmid

other relevant source constructs

Inserts Yeast p23 (SBA1) with amino acids 102 to 113 deleted.

Reporter gene

Promoter,
splice,
PolyA Gal1

Comments SBA1 Δ 102-113 cloned by PCR and checked by sequencing.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1263

Date entered

16.12.99

Constructed by

Karl Matter's lab

Date constructed

PLASMID NAME

pRK5-Myc-Rho

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1264

Date entered

23.12.99

Constructed by

Catherine Cohet

Date constructed

10/99

PLASMID NAME

pCIN4-ER

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

pcDNA3

bacterial plasmid

other relevant source constructs

Inserts wild-type human estrogen receptor

Reporter gene

Promoter, - pCMV IE promoter
splice, - ECMV internal ribosome entry site (IRES)
PolyA - IVS intron
- bovine growth hormone polyA site

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1265

Date entered

23.12.99

Constructed by

Catherine Cohet

Date constructed

11/99

PLASMID NAME

hER/L525A-Krab

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

M13+

other relevant source constructs

EVK, EGK

Inserts

full-length human estrogen receptor (hER) with point mutation L525A fused to AA 1-100 of the human Kox-1 protein (Krab domains A and B: AA 11-53 and 54-75).

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter
- T7 RNA polymerase promoter
- rabbit b-globin IVS2
- SV40 poly A site

Comments

Reference

Ekena et al. (1996) JBC 271, 20053-20059
KRAB: Margolin et al. (1994) PNAS 91, 4509

Construct number

1267

Date entered

7.1.00

Constructed by

Gary Gallick (MD Anderson)

Date constructed

PLASMID NAME

c-Src Y527F

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

pcDNA.3

bacterial plasmid

other relevant source constructs

Inserts

Full length c-Src with the Y527F point mutation that makes it constitutive

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments

Reference

For c-Src Y527F: Kmiecik TE & Shalloway D Cell 1987 49(1):65-73
For this clone: Allgayer H et al JBC 1999 274(26):18428-18437

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 10.1.00

Constructed by Catherine Cohet

Date constructed 1999

PLASMID NAME

mac30

bacterial marker

parent vector

Bluescript

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments clone isolated by SABRE

Reference Murphy,M., Pykett,M.J., Harnish,P., Zang,K.D. and George,D.L.
Identification and characterization of genes differentially expressed in
meningiomas
Cell Growth Differ. 4 (9), 715-722 (1993)

DIDIER PICARD LAB, University of Geneva

Construct number

1269

Date entered

10.1.00

Constructed by

Catherine Cohet

Date constructed

1999

PLASMID NAME

p180

bacterial marker

parent vector

Bluescript

bacterial plasmid

other relevant source constructs

Inserts

homo sapiens ribosomal binding protein 1 (dog 180 kD homolog)

Reporter gene

Promoter,
splice,
PolyA

Comments

clone isolated by SABRE

Reference

gene bank access: NM004587

DIDIER PICARD LAB, University of Geneva

Construct number

1270

Date entered

11.1.00

Constructed by

Nathalie Bot

Date constructed

PLASMID NAME

BS/hER β Y488S

bacterial marker Amp

parent vector
pBluescript KS+
bacterial plasmid

other relevant source constructs

BS/ER β

Inserts

human estrogen receptor beta cDNA, with a point mutation tyrosine 488 to serine. Constitutively active.
short version of cDNA (aa 54-531)

Reporter gene

Promoter,
splice,
PolyA

Comments 500 last base pair has been sequenced and revealed no mutations

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.1.00

Constructed by Bruno Cenni

Date constructed 1.1.2000

PLASMID NAME

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEGFP-C1

bacterial plasmid

other relevant source constructs

Inserts

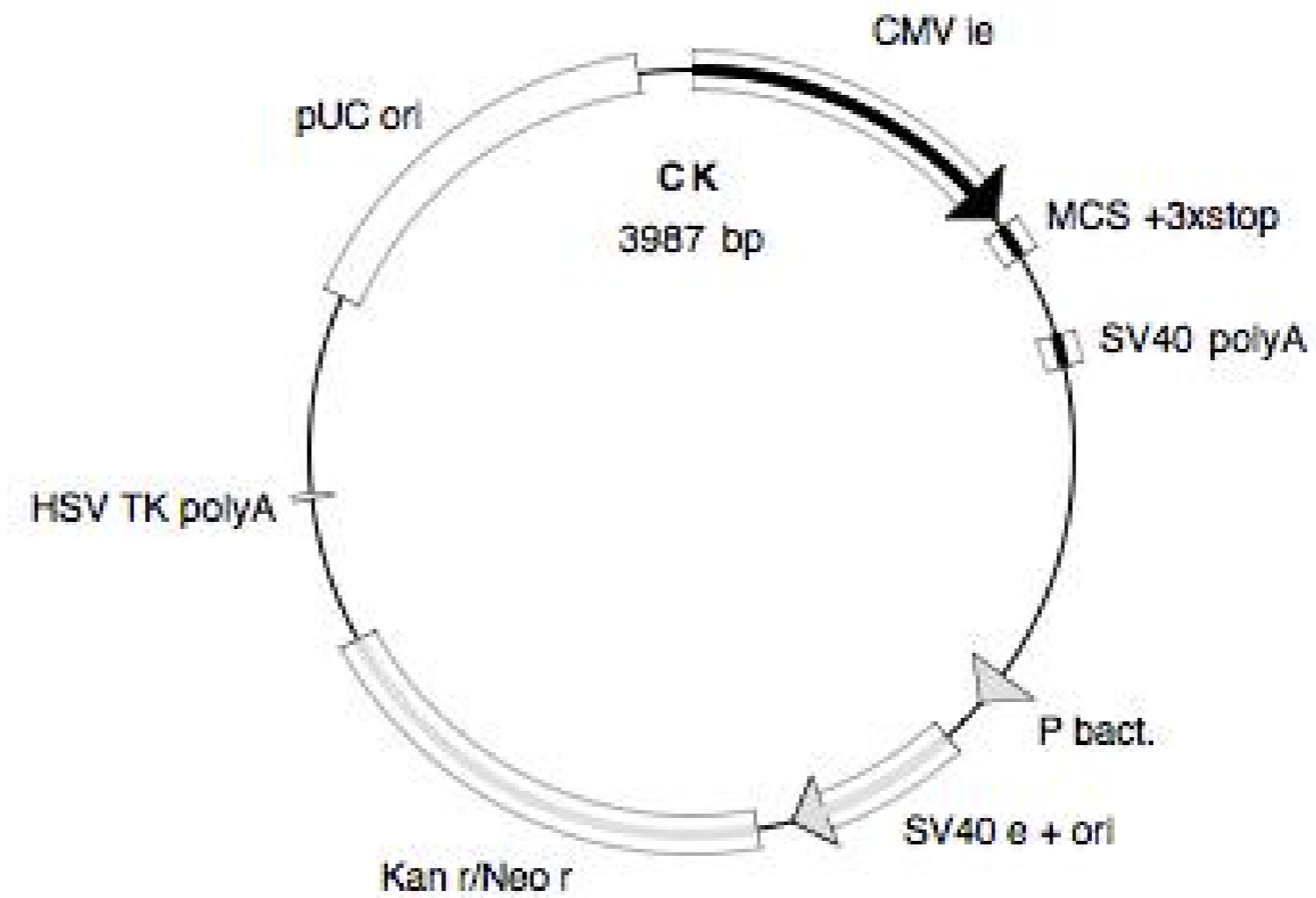
Expression vector created from pEGFP-C1 (Clontech) by excising EGFP as NheI/BglII fragment, blunting with Klenow and religating. Sequence compiled from pEGFP-C1 sequence and confirmed by sequence from the end of CMV promoter through the MCS. The region around the NheI and BglII blunted junction is not confirmed...

Reporter gene

Promoter, splice, PolyA
CMV
SV40 polyA

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.1.00

Constructed by Bruno Cenni

Date constructed 1.1.2000

PLASMID NAME

CKF

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

CK

bacterial plasmid

other relevant source constructs

pEGFP-C1

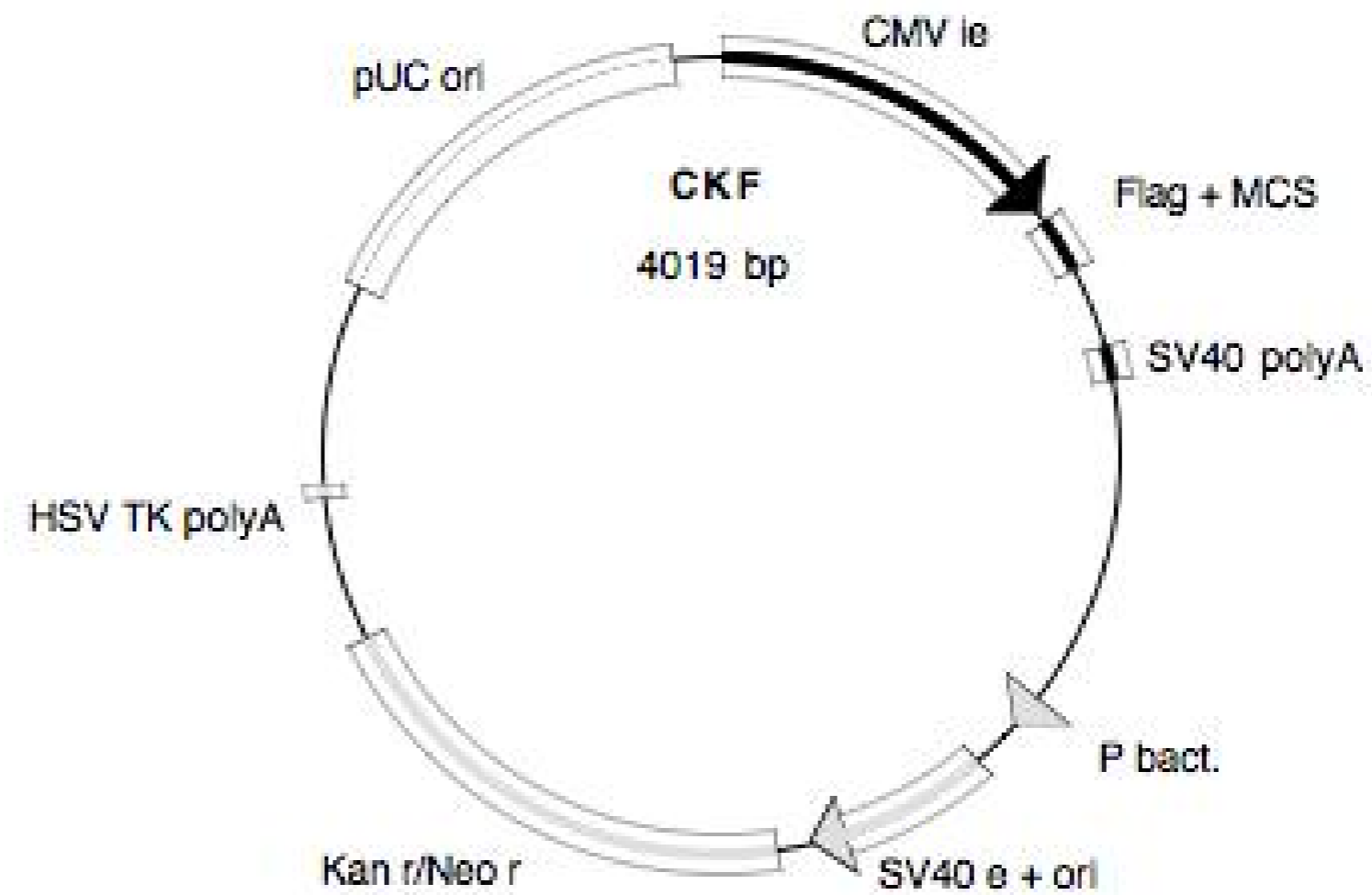
Inserts Expression vector with an insert coding for the Flag epitope and downstream to that an MCS to insert cDNA as c-terminal fusions. (flag sequence in SacI/EcoRI of CK (BamHI is not unique anymore)
gagctCAAAGCATGGACTACAAGGACGACGATGACAAGGGGATCC
gaattc)

Reporter gene

Promoter, CMV
splice, SV40 polyA
PolyA

Comments

Reference Donzé, O., Abbas-Terki, T., and Picard, D. (2001). The Hsp90 chaperone complex is both a facilitator and a repressor of the dsRNA-dependent kinase PKR. EMBO J. 20, 3771-3780.



DIDIER PICARD LAB, University of Geneva

Construct number 1273

Date entered 14.1.00

Constructed by Bruno Cenni

Date constructed 11.11.1999

PLASMID NAME

pTEL

bacterial marker Amp

parent vector

pRL-null

bacterial plasmid

other relevant source constructs

EHETL

Inserts ERE (from Xenopus vitellogenin gene A2) upstream of TK promoter driving firefly luciferase from EHETL inserted at Sall/XbaI (removing the T7 promoter and chimeric intron of pRL-null from Promega).

Reporter gene luciferase

Promoter, ERE - TK promoter
splice, SV40 late polyA
PolyA

Comments Is more or less equivalent to XETL, but different backbone

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 19.1.00

Constructed by Nathalie Bot

Date constructed Nathalie

PLASMID NAME

pCMV5-hER β Y488S

bacterial marker Amp

parent vector

pCMV5

bacterial plasmid

other relevant source constructs

BS/ER β Y488S and pCMV5-hER β

Inserts human estrogen receptor beta short form (aa 54-531) . Tyrosine at position 488 mutated into a serine

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 27.1.00

Constructed by Olivier Donzé

Date constructed 25/01/00

PLASMID NAME

pESC-TRP/sch9

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pESC-TRP1

bacterial plasmid

other relevant source constructs

Inserts kinase Sch9 fused to the FLAG tag present in the vector.

Reporter gene

Promoter, Gal10
splice,
PolyA

Comments

Reference Morano and Thiele, EMBO J, 18: 5953 (1999)

Construct number

1276

Date entered

27.1.00

Constructed by

from Linquist lab

Date constructed

PLASMID NAME

YpRS316 v-*src*

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

YpRS316

bacterial plasmid

other relevant source constructs

Inserts v-*src*

Reporter gene

Promoter, Gal1-10
splice,
PolyA

Comments

Reference Nathan and Lindquist, MCB: 15, 3917 (1995)

Construct number

1277

Date entered

27.1.00

Constructed by

Nathan (Lindquist lab)

Date constructed

PLASMID NAME

E20

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pTV3

bacterial plasmid

other relevant source constructs

Inserts contains a genomic fragment coding for SSF1 (suppressor of Hsp90 mutants)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Nathan and Lindquist PNAS, 96: 1409-1414 (1999)

Construct number

1278

Date entered

27.1.00

Constructed by

Nathan (Lindquist lab)

Date constructed

PLASMID NAME

E26

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pTV3

bacterial plasmid

other relevant source constructs

Inserts contains a genomic fragment coding for CNS1 (suppressor of Hsp90 mutants)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Nathan and Lindquist PNAS, 96: 1409-1414 (1999)

Construct number

1279

Date entered

27.1.00

Constructed by

Nathan (Lindquist lab)

Date constructed

PLASMID NAME

E28

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pTV3

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Nathan and Lindquist PNAS, 96: 1409-1414 (1999)

Construct number

1280

Date entered

31.1.00

Constructed by

Organon

Date constructed

PLASMID NAME

pKCRE-ER β

bacterial marker Amp

parent vector

pKCRE

bacterial plasmid

pBR322 ?

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts cDNA for full-length human estrogen receptor β (ER β), 530 amino acids (long form)

Reporter gene

Promoter, - SV40 early
splice, - rabbit β -globin intron
PolyA - SV40 polyA

Comments details of vector unclear (even to those who gave it to us); insert may be excised with BamHI. pKCRE expression vector is derived from pKCR (PNAS 78, 1527-1531 (1981)).

Reference Original description of a shorter version of human ER β is from Mosselman et al. (1996) FEBS 392, 49-53. Full-length sequence agrees with Ogawa et al. (1998) BBRC 243, 122-126.

DIDIER PICARD LAB, University of Geneva

Construct number

1281

Date entered

2.2.00

Constructed by

Nathalie Bot

Date constructed

27.01.00

PLASMID NAME

pCEP4/hER(G)Y537S

bacterial marker Amp

eucaryotic replicon EBV

parent vector

pCEP4

bacterial plasmid

pUC

other relevant source constructs

pCEP4/hER(G)

Inserts

human estrogen receptor alpha(glycin 400) . tyrosine 537 mutated to an serine. Receptor constitutively active.

Reporter gene

Promoter, CMV enhancer / promoter
splice, SV40 poly A signal
PolyA

Comments

Reference

Construct number

1282

Date entered

3.2.00

Constructed by

david shore

Date constructed

PLASMID NAME

YL2HC1

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pGAD

bacterial plasmid

other relevant source constructs

Inserts

genomic yeast libraires for two hybrid screen.

Use with YLHC2 and YLHC3, the two other frames.

Reporter gene

Promoter,
splice,
PolyA

Comments ask david shore for more information.

Reference

Construct number

1283

Date entered

3.2.00

Constructed by

david shore

Date constructed

PLASMID NAME

YL2HC2

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pGAD

bacterial plasmid

other relevant source constructs

Inserts

genomic yeast libraires for two hybrid screen.

Use with YLHC1 and YLHC3, the two other frames.

Reporter gene

Promoter,
splice,
PolyA

Comments

ask david shore for more information.

Reference

Construct number

1284

Date entered

3.2.00

Constructed by

david shore

Date constructed

PLASMID NAME

YL2HC3

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pGAD

bacterial plasmid

other relevant source constructs

Inserts

genomic yeast libraires for two hybrid screen.

Use with YLHC1 and YLHC2, the two other frames.

Reporter gene

Promoter,
splice,
PolyA

Comments

ask david shore for more information.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.2.00

Constructed by Bruno Cenni

Date constructed 2.2.2000

PLASMID NAME

F-ER

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

CKF

bacterial plasmid

other relevant source constructs

pG/ER(G)

Inserts Expression vector with an insert coding for the human estrogen receptor alpha (ER) fused in c-terminal to a Flag epitope (BamHI fragment from pG/ER(G))

Reporter gene

Promoter, CMV
splice, SV40 polyA
PolyA

Comments - full sequence available

Reference **Bhattacharya K,.....Picard D.** The Hsp70-Hsp90 co-chaperone Hop/Stip1 shifts the proteostatic balance from folding towards degradation. Nat Commun (2020) Nov 25;11(1):5975.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 11.2.00

Constructed by Bruno Cenni

Date constructed 2.2.2000

PLASMID NAME

HEG0/c340

bacterial marker Amp

parent vector

HEG0

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts Human estrogen receptor (hER) cDNA with Gly400 (i.e. wild-type sequence) inserted at EcoRI site of pSG5. Truncated after A340 by insertion of pBS MCS fragment with a stop right after the HindIII site.

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

Reference

Construct number

1287

Date entered

17.2.00

Constructed by

InVitrogen

Date constructed

PLASMID NAME

pBJuFo

bacterial marker

parent vector

derived from pJuFo

bacterial plasmid

other relevant source constructs

Inserts

contained pIII from phage M13 fused to Jun Leucine zipper and Fos leucine zipper ready to be fused to a library
Sequence included

Reporter gene

Promoter,
splice,
PolyA

Comments

except the backbone and a V5 epitope, it has the same purpose like pJuFo 3X stop (i.e. make a phage display cDNA LIBRARY).

Reference

Shanmugavelu et al. JBC. 275: 1802 (2000)

DIDIER PICARD LAB, University of Geneva

Construct number

1288

Date entered

17.2.00

Constructed by

Olivier Donzé

Date constructed

1998

PLASMID NAME

pSG5 HE15 3XE

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts

Fragment 1-281 from human ER containing 3 mutations ser-to-glu at position 104, 106 and 118. HE15 3xE

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference

Construct number

1289

Date entered

24.2.00

Constructed by

Phil Shaw's lab via Andrew Cato

Date constructed

PLASMID NAME

pSG-Gal-Elk1

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5 ?

bacterial plasmid

Bluescribe M13+

other relevant source constructs

Inserts

Gal4 DNA binding domain fused to activation domain of Elk-1

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter
- T7 promoter
- rabbit β -globin IVS2 and polyA

Comments

Gal4 aa1 to aa 147 fused to Elk 1 aa 83 to aa 428 . Kortenjann et al. MCB 1994.

Reference

Gille et al. (1995) Curr. Biol. 5, 1191-1200

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.2.00

Constructed by Bruno Cenni

Date constructed 20.2.2000

PLASMID NAME

G-ER/c340

bacterial marker Amp

parent vector

G-ER

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

HEGc340

Inserts Human ER alpha cDNA (AA 1-340) fused to GST-C terminus.

Reporter gene

Promoter, EF-1 alpha promoter
splice, SV40 ori
PolyA GST (+thrombin cleavage site)
hGCSF polyA/intron?

Comments

Reference The original pEBG is based on pEF-BOS: Mizushima and Nagata (1990)
NAR **18**, 5322
(For pEBG-SEK1 Sanchez I et al Nature 1994 V372: 794-798)

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.3.00

Constructed by nathalie bot

Date constructed 3.3.00

PLASMID NAME

pCEP4/ER b

bacterial marker Amp

eucaryotic replicon EBV

parent vector

pCEP4

bacterial plasmid

pUC

other relevant source constructs

pKCRE-ERb

Inserts cDNA for full length human estrogen receptor beta (530 aa)

Reporter gene

Promoter, CMV enhancer / promoter

splice,

PolyA

SV40 poly A signal

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.3.00

Constructed by nathalie bot

Date constructed 09.03.00

PLASMID NAME

pBluescript / ERb

bacterial marker Amp

parent vector
pBluescript KSII+ M13 (-)
bacterial plasmid

other relevant source constructs
pKCRE-ERb

Inserts full length estrogen receptor beta coding for a 530 aa protein

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

1294

Date entered

17.3.00

Constructed by

Benita Katzenellenbogen's lab

Date constructed

PLASMID NAME

pCMV(ERE)₂CAT

bacterial marker Amp

parent vector
pCMV-0-CAT

bacterial plasmid

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts

Reporter gene CAT

Promoter,
splice,
PolyA - CMV

Comments Promoter interference construct with two consensus EREs

Reference Reese, J. C., and Katzenellenbogen, B. S. (1992). Mol Cell Biol 12, 4531-4538.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 17.3.00

Constructed by toufik

Date constructed

PLASMID NAME

pYes/m15

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYes-2

bacterial plasmid

other relevant source constructs

p2hG/M15

Inserts Ω fragment from LacZ (deletion of AA 10-41)
Use with α peptide for the α complementation

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Abbas-Terki T. and Picard D. (1999), Eur J. Biochem. 266, 517-523

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.3.00

Constructed by Bruno Cenni

Date constructed 15.3.2000

PLASMID NAME

CKF7

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

CKF

bacterial plasmid

other relevant source constructs

pET3a

Inserts

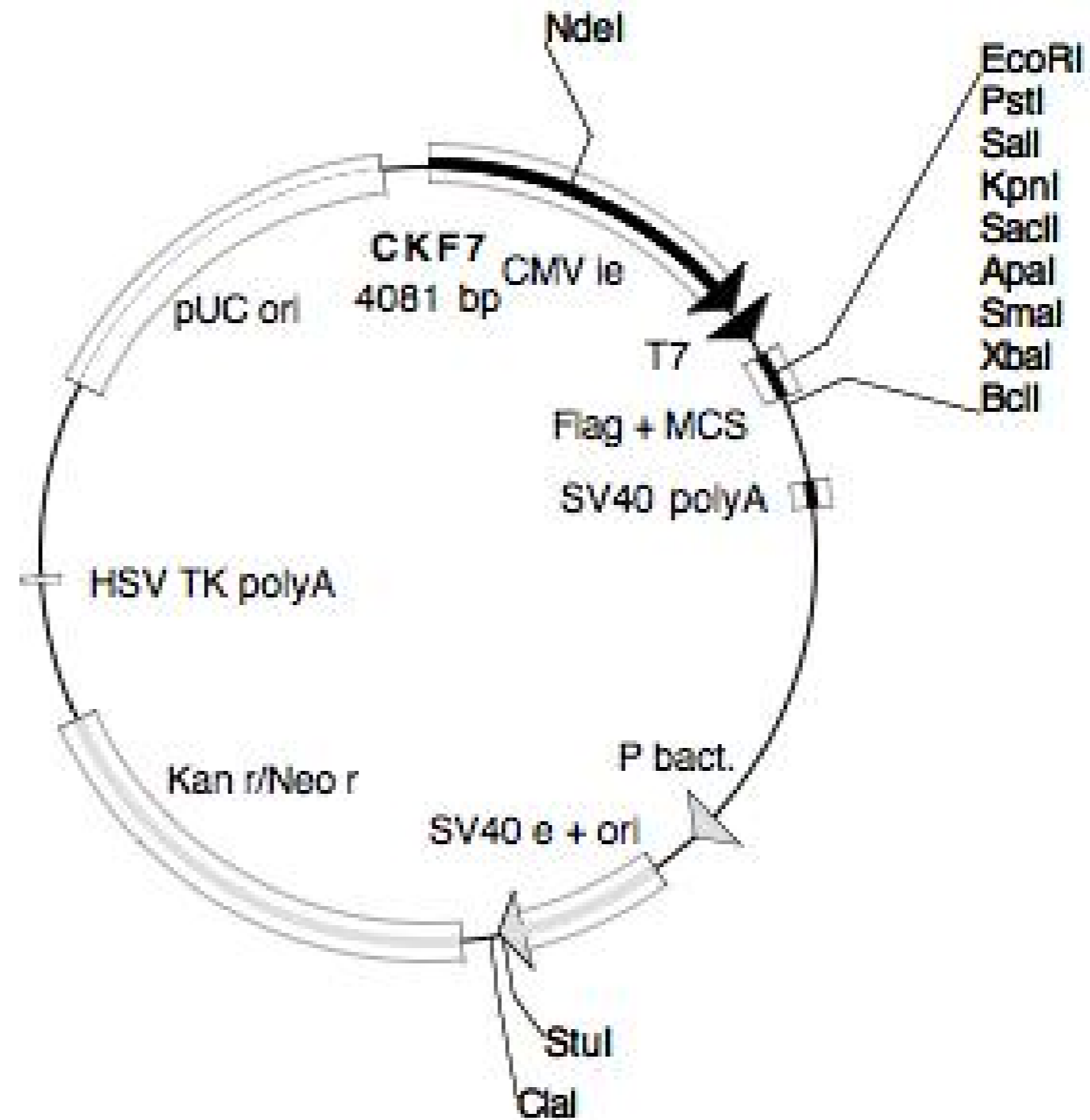
Expression vector with an insert coding for the Flag epitope and downstream to that an MCS to insert cDNA as c-terminal fusions. (flag sequence in SacI/EcoRI of CK (BamHI is not unique anymore) gagctCAAAGCATGGACTACAAGGACGACGATGACAAGGGGATCC gaattc) with a T7 promoter in sense just upstream of Flag

Reporter gene

Promoter, CMV, T7
splice, SV40 polyA
PolyA

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 31.3.00

Constructed by Olivier

Date constructed 31/3/2000

PLASMID NAME

1557

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

CKF

bacterial plasmid

other relevant source constructs

Inserts human PKR wt fused to Flag (9 aa from the flag and 15 extra a.a =24 additional a.a.)

Reporter gene

Promoter, CMV
splice,
PolyA

Comments

Reference O. Donzé, T. Abbas-Terki and D. Picard (2001). The Hsp90 chaperone complex is both a facilitator and a repressor of the dsRNA-dependent kinase PKR. EMBO J. **20**, 3771-3780.

DIDIER PICARD LAB, University of Geneva

Construct number

1298

Date entered

4.4.00

Constructed by

Pierre-André Briand

Date constructed

04/00

PLASMID NAME

pSG5/hER α Δ 2/3

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

HEG0 (pSG5)

bacterial plasmid

Bluescribe M13+

other relevant source constructs

E5 (9.3.00)

Inserts Δ exon 2 and 3 splice variant of human estrogen receptor α (hER α)

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments Clone E5 was obtained by RT-PCR from MCF7SH cells. Relevant portion has the wild-type sequence.

Reference for pSG5: Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

1299

Date entered

4.4.00

Constructed by

Nathalie Bot

Date constructed

4.4.00

PLASMID NAME

pCMV5-hERb 530 Y-A

bacterial marker Amp

parent vector

pCMV5

bacterial plasmid

other relevant source constructs

pKCRE-ERb

Inserts

estrogen receptor beta full length (530 aa) with tyrosine 488 mutated in an alanine

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments

similar to pCMV5-hER b Y488A but here the Nt part is longer and encodes the full length Er beta protein

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1300

Date entered

4.4.00

Constructed by

Nathalie Bot

Date constructed

4.4.00

PLASMID NAME

pCMV5-hERb 530 Y-S

bacterial marker Amp

parent vector

pCMV5

bacterial plasmid

other relevant source constructs

pKCRE-ERb

Inserts

human estrogen receptor beta full length (530 aa) with a mutation at tyrosine 488 that is changed to an serine . Must be constitutive

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments

The full length part has a longer Nt part

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1301

Date entered

5.4.00

Constructed by

Pierre-Andre Briand

Date constructed

1.4.00

PLASMID NAME

Gal93.ER-DBD

old name

Gal4.ER(C)

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSCTEVGal93 Lf0

bacterial plasmid

pSP64

other relevant source constructs

HEG0

Inserts

DNA binding domain + dimerization domain of GAL4 (from *S. cerevisiae*), AA 1-93, fused to h ER alpha DBD (aa180-262)

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2 and polyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1302

Date entered

5.4.00

Constructed by

Pierre-Andre Briand

Date constructed

1.4.00

PLASMID NAME

pC7/PKA

bacterial marker Amp

parent vector

pC7

bacterial plasmid

BLUESCRIPT M13+

other relevant source constructs

YADE/PKA

Inserts mouse C α PKA subunit cDNA

Reporter gene

Promoter, - CMV1 enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - SV40 splice and polyA.

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.4.00

Constructed by Bruno Cenni

Date constructed 5.4.00

PLASMID NAME

F-p68

bacterial marker Kan

parent vector

CKF7

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

pMp68

Inserts p68 with a Flag epitope in N-terminal position

Reporter gene

Promoter, CMV
splice, SV40 polyA
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.4.00

Constructed by Olivier Donzé

Date constructed 10.4.00

PLASMID NAME

CKF/PKRRK296R

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

CKF

bacterial plasmid

other relevant source constructs

Inserts human PKR kinase dead mutant fused to Flag (9 aa from the Flag and 15 extra a.a =24 additional a.a.)

Reporter gene

Promoter, CMV
splice, SV40 polyA
PolyA

Comments The flag epitope has to be separated from PKR by more than 7 aa to work!!!

Reference O. Donzé, T. Abbas-Terki and D. Picard (2001). The Hsp90 chaperone complex is both a facilitator and a repressor of the dsRNA-dependent kinase PKR. EMBO J. **20**, 3771-3780.

DIDIER PICARD LAB, University of Geneva

Construct number

1305

Date entered

14.4.00

Constructed by

Olivier Donzé

Date constructed

1.10.99

PLASMID NAME

pYes/PKR K296R

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYes.2

bacterial plasmid

other relevant source constructs

pYesPKrwt

Inserts human PKR dead kinase mutant (eIF-2 α kinase)

Reporter gene

Promoter,
splice,
PolyA Gal1

Comments

Reference O. Donzé, T. Abbas-Terki and D. Picard (2001). The Hsp90 chaperone complex is both a facilitator and a repressor of the dsRNA-dependent kinase PKR. EMBO J. **20**, 3771-3780.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.4.00

Constructed by Olivier Donzé

Date constructed 1.10.99

PLASMID NAME

pYesPKR Δ 6

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYes.2

bacterial plasmid

other relevant source constructs

pYesPKR

Inserts human PKR dead kinase and dominant-negative (eIF-2 α kinase). 6 a.a are deleted (361 to 366).

Reporter gene

Promoter, Gal1
splice,
PolyA

Comments

Reference

Construct number

1307

Date entered

17.4.00

Constructed by

Spiegelman's lab

Date constructed

PLASMID NAME

pSV-SPORT

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

SV40 and ori

Comments

Reference

Construct number

1308

Date entered

17.4.00

Constructed by

Spiegelman's lab

Date constructed

PLASMID NAME

pSV-SPORT/PGC2

bacterial marker Amp

parent vector
pSV-SPORT
bacterial plasmid

other relevant source constructs

Inserts PGC-2 (a coactivator of AF1 of PPARgamma and of Estrogen receptor)

Reporter gene

Promoter,
splice,
PolyA SV40 and ORI

Comments

Reference Castillo et al., (1999) EMBO J , 18: 3876.

DIDIER PICARD LAB, University of Geneva

Construct number 1309

Date entered 20.4.00

Constructed by Bruno Cenni

Date constructed 15.4.2000

PLASMID NAME

pCMV(ERE)₂Luc

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pCMV(ERE)₂CAT

bacterial plasmid

pSp-Luc+

other relevant source constructs

pSp-Luc+

Inserts CMV driving Luc+ expression, with two EREs in between for promoter interference experiments

Reporter gene luciferase

Promoter, CMV promoter
splice, hGH polyA
PolyA

Comments

Reference for pCMV(ERE)₂CAT: Reese, J. C., and Katzenellenbogen, B. S. (1992). Mol Cell Biol 12, 4531-4538.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 5.5.00

Constructed by Bruno Cenni

Date constructed 1.5.00

PLASMID NAME

F-Gal93

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

CKF7

bacterial plasmid

other relevant source constructs

pSCTEV Gal93 Lf0

Inserts Expression vector with an insert coding for the Flag epitope (M2 antibody) fused to the Gal4 DNA-binding domain (AA 1-93) followed by an MCS

Reporter gene

Promoter, CMV
splice, SV40 polyA
PolyA T7

Comments

Reference for pSCTEVgal93, see: Seipel et al. (1992) EMBO J. 11. 4961

Construct number

1313

Date entered

16.5.00

Constructed by

Promega

Date constructed

PLASMID NAME

pAdvantage

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts contains the VAI RNA , which inhibits PKR

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.5.00

Constructed by Bruno Cenni

Date constructed 18.5.2000

PLASMID NAME

F-Gal93.ER(DBD)

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

F-Gal93

bacterial plasmid

other relevant source constructs

HEG0
pSCTEV Gal 93

Inserts Expression vector with an insert coding for the Flag epitope (M2 antibody) fused to the Gal4 DNA-binding domain (AA 1-93) followed by the hER alpha DNA-binding domain (AA 180-262)

Reporter gene

Promoter, CMV
splice, SV40 polyA
PolyA T7

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 25.5.00

Constructed by Nathalie Bot

Date constructed 25.05.00

PLASMID NAME

pIRESpuro2/-ERb

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pIRESpuro2

bacterial plasmid

other relevant source constructs

pBluescript / ERb

Inserts full length estrogen receptor beta WT (530 aa)

Reporter gene

Promoter, CMV
splice, synthetic intron
PolyA bovine GH poly A

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1316

Date entered

Constructed by

Date constructed

PLASMID NAME

bacterial marker

vertebrate marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

1317

Date entered

14.6.00

Constructed by

Baralle via Alberto Kornblihtt

Date constructed

PLASMID NAME

pSVED-A Tot

bacterial marker Tet

parent vector

pSV α 1W

bacterial plasmid

pBR322?

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts

Minigene with alternatively spliced EDI (=EDA) exon with an exonic splicing enhancer (ESE) from the human fibronectin gene; with its flanking introns and part of its neighboring exons it is embedded in the third exon of the human α 1-globin gene.

Reporter gene

Promoter,
splice,
PolyA Promoter from the human α 1-globin gene

Comments

- Can be spliced with or without the EDI.
- To put in another promoter, replace Sca1-BssH2 fragment.

Reference

- vector pSV α 1W: Higgs et al. (1983) Nature 306, 398.
- plasmid itself: Caputi et al. (1994) NAR 22, 1018
- see also Cramer et al. (1999) Molecular Cell 4, 251.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.6.00

Constructed by Didier Picard

Date constructed

PLASMID NAME

VA/N556

bacterial marker Amp

parent vector

VAO

bacterial plasmid

other relevant source constructs

Inserts rat glucocorticoid receptor (a.a. 1-556 followed by a polylinker).

Reporter gene

Promoter,
splice,
PolyA Globi promoter, SV40 enhancer

Comments

Reference

Construct number

1319

Date entered

20.6.00

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

1320

Date entered

20.6.00

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

1321

Date entered

20.6.00

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 23.6.00

Constructed by Bruno Cenni

Date constructed 21.6.2000

PLASMID NAME

pSG5/HEG19.VP16

bacterial marker Amp

parent vector

HEG19

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

pSG5, HEG0, CRF1

Inserts Human estrogen receptor (ER) alpha AA 182-595 with wild-type (G400) sequence fused to VP16 activation domain.

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

Reference for pSG5: Green et al. (1988) NAR 16, 369.

Construct number 1323

Date entered 3.7.00

Constructed by morano k.

Date constructed

PLASMID NAME

pRS313/HA.Sse1

bacterial marker Amp

parent vector pRS313

bacterial plasmid pBS

yeast marker HIS3

other relevant source constructs

eucaryotic replicon CEN/ARS

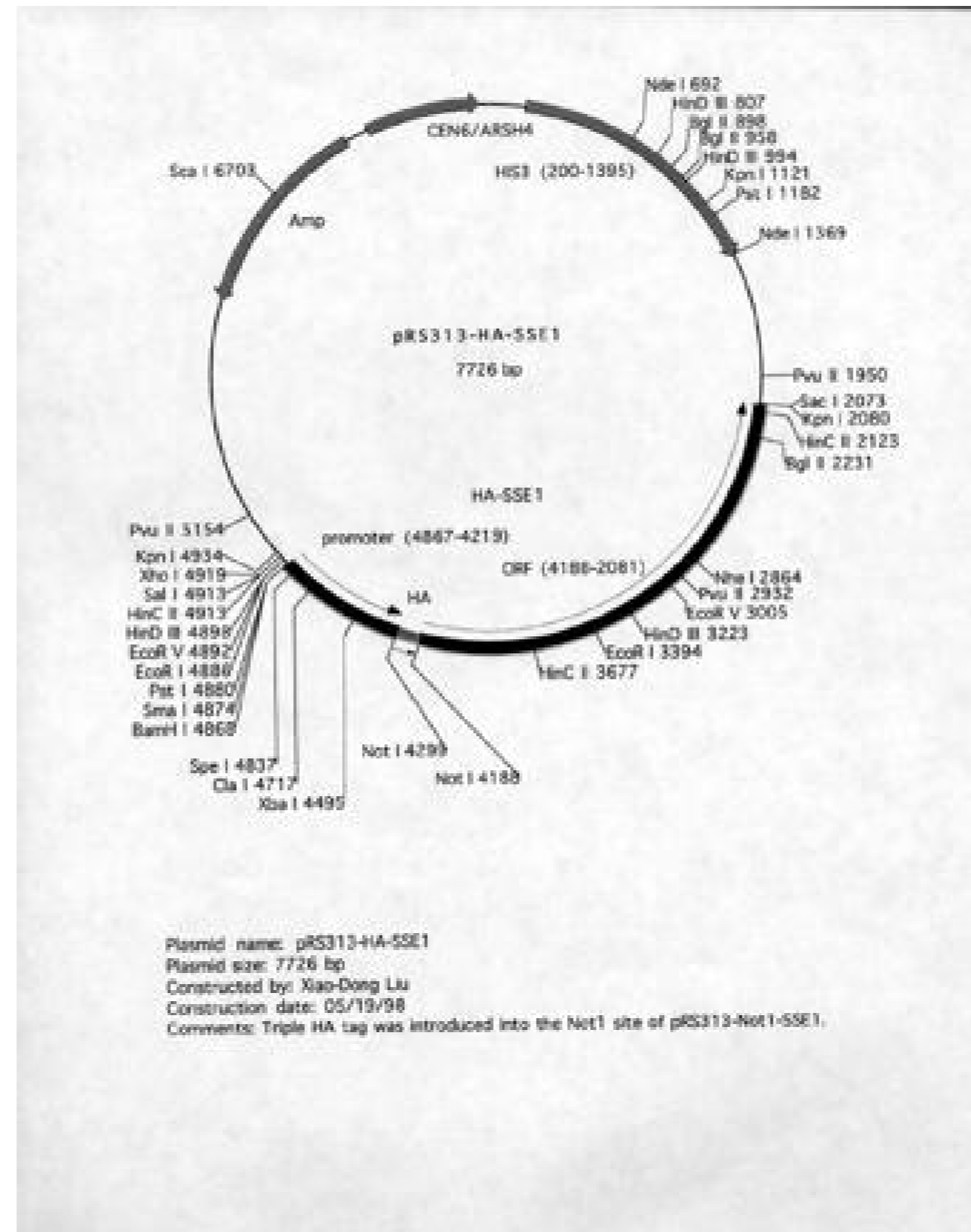
Inserts Sse1 gene with an HA tag fused at N-terminus
The HA epitope is recognized by the 12CA5 antibody !!!

Reporter gene

Promoter, splice, PolyA it's own promoter

Comments there is a map "online".

Reference Xiao-Dong Liu et al. JBC (1999), 274, 26654-26660



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 10.7.00

Constructed by Bruno Cenni

Date constructed 6.7.2000

PLASMID NAME

F-Gal93.ER(D)

alternative name

Gal4.ER(D)

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

F-Gal93

bacterial plasmid

other relevant source constructs

HEG0

Inserts Expression vector with an insert coding for the Flag epitope (M2 antibody) fused to the Gal4 DNA-binding domain (AA 1-93) followed in frame by human ER alpha hinge region (AA 251-300).

Reporter gene

Promoter, CMV
splice, SV40 polyA
PolyA T7

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 24.7.00

Constructed by nathalie bot

Date constructed 24.07.00

PLASMID NAME

pCMV5/ERbeta 530

bacterial marker Amp

parent vector
pKCRE-ERbeta
bacterial plasmid

other relevant source constructs

pCMV5-hERbeta
pBluescript / ER β

Inserts estrogen receptor beta full length (530 aa) and wild type.

Reporter gene

Promoter,
splice,
PolyA CMV

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 24.7.00

Constructed by nathalie bot

Date constructed

PLASMID NAME

pCEP4/ERbeta Y488S

bacterial marker Amp

vertebrate marker Hygromycin

eucaryotic replicon EBV

parent vector

pCEP4

bacterial plasmid

other relevant source constructs

BS/hER β Y488S
pBluescript / ER β

Inserts estrogen receptor beta full length Y 488 into serine.

Reporter gene

Promoter, CMV
splice, SV40 polyA signal
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

eucaryotic replicon

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 25.7.00

Constructed by Olivier

Date constructed 07/07/00

PLASMID NAME

CKF/Cter

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

CKF

bacterial plasmid

other relevant source constructs

CKF/PKR

Inserts PKR lacking the dsRNA-binding domain (PKR starts at position 259 to 552). A flag is fused at the N-terminus. This construct codes only for the kinase domain.

Reporter gene

Promoter, CMV
splice, SV40 polyA
PolyA

Comments

Reference O. Donzé, T. Abbas-Terki and D. Picard (2001). The Hsp90 chaperone complex is both a facilitator and a repressor of the dsRNA-dependent kinase PKR. EMBO J. **20**, 3771-3780.

Construct number

1329

Date entered

9.8.00

Constructed by

Mike Mancini's lab

Date constructed

PLASMID NAME

pEGFP-C1-hER554

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEGFP-C1

bacterial plasmid

pUC

other relevant source constructs

Inserts

green fluorescent protein (GFP) mutant (F64L and S65T) with red shift and enhanced fluorescence, fused to AA 1-554 of human estrogen receptor α (hER)

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments Careful: this plasmid does *not* have the Amp resistance!!!

Reference Stenoien et al. (2000) Mol. Endo. 14(4):518-34

Construct number

1330

Date entered

22.8.00

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.8.00

Constructed by Fedor

Date constructed

PLASMID NAME

pYFL/STD1

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES2

bacterial plasmid

other relevant source constructs

pYES2/flag

Inserts Yeast Std1p N'-terminally fused to Flag (BamHI site).

Reporter gene

Promoter,
splice,
PolyA Gal1

Comments Yeast Std1p cloned by PCR and checked by sequencing.

DNA from mini-prep

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.8.00

Constructed by Pierre-André Briand

Date constructed 29.8.00

PLASMID NAME

bacterial marker Amp

parent vector
pUCΔSS-ERE

bacterial plasmid
pUC18

yeast marker URA3

other relevant source constructs
pEGFP-C1 for PCR

eucaryotic replicon 2μ circle

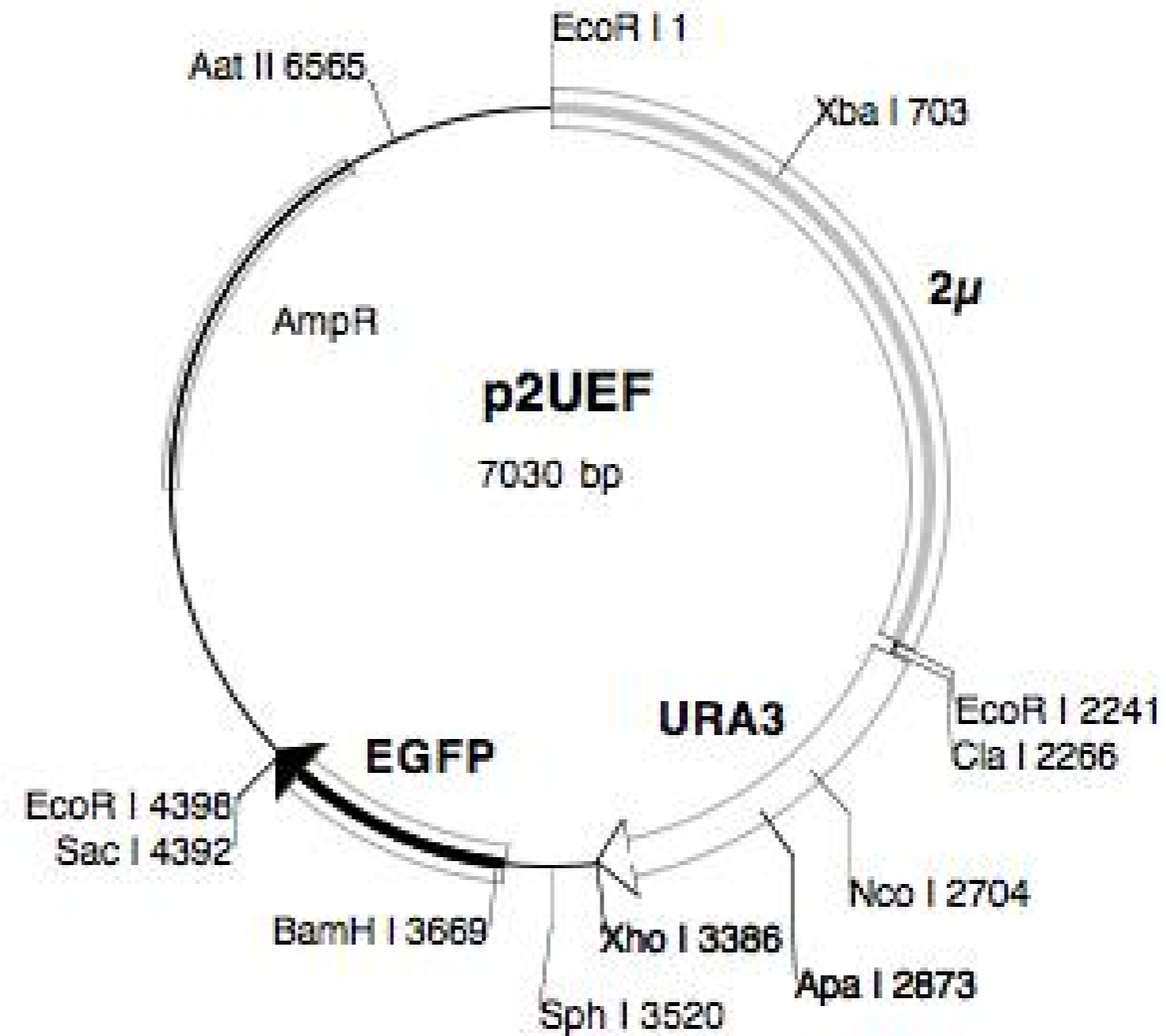
Inserts single ERE (CTCGAGTCAGGTCACAGTGACCTGATCAAGTCGAC)
upstream of CYC1 TATA region driving the red-shifted GFP variant EGFP
(F64L, S65T, and H231L).

Reporter gene

Promoter, splice, PolyA - CYC1 promoter
- no terminator

Comments very weak in yeast (EGFP is humanized!).

Reference



junction at BamHI site: TTAATAATGACCGGATCCGTG
junction at SacI site: TACAAGTGAGAGCTC

Construct number

1333

Date entered

4.9.00

Constructed by

Mike Mancini's lab

Date constructed

PLASMID NAME

pEGFP-C1-hER

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEGFP-C1

bacterial plasmid

pUC

other relevant source constructs

Inserts

green fluorescent protein (GFP) mutant (F64L and S65T) with red shift and enhanced fluorescence, fused to full-length human estrogen receptor α (hER)

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments Careful: this plasmid does *not* have the Amp resistance!!!

Reference Stenoien et al. (2000) Mol. Endo. 14(4):518-34

Construct number

1334

Date entered

4.9.00

Constructed by

Mike Mancini's lab

Date constructed

PLASMID NAME

pECFP-C1-hER

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEGFP-C1

bacterial plasmid

pUC

other relevant source constructs

Inserts

cyan fluorescent enhanced GFP mutant fused to full-length human estrogen receptor α (hER)

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments

Careful: this plasmid does *not* have the Amp resistance!!!

Reference

after Stenoien et al. (2000) Mol. Endo. 14(4):518-34

Construct number

1335

Date entered

4.9.00

Constructed by

Mike Mancini's lab

Date constructed

PLASMID NAME

pECFP-C1-hER554

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEGFP-C1

bacterial plasmid

pUC

other relevant source constructs

Inserts

cyan fluorescent enhanced GFP mutant fused to AA 1-554 of human estrogen receptor α (hER)

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments Careful: this plasmid does *not* have the Amp resistance!!!

Reference Stenoien et al. (2000) Mol. Endo. 14(4):518-34

Construct number

1336

Date entered

6.9.00

Constructed by

Courtneidge lab

Date constructed

5/93

PLASMID NAME

pSGT

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts

Polylinker has additional sites relative to pSG5:

GAATTCAGTGGATCCGATATCCTCGAGAGATCT, i.e.
EcoRI - SpeI - BamHI - EcoRV - XhoI - BglII for insertion of cDNAs.

Reporter gene

Promoter, - SV40 early promoter.
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2.
- SV40 polyA site.

Comments

- received via Superti-Furga's lab
- expression vector replicates in COS cells.

Reference

for pSG5: Green et al. (1988) NAR 16, 369.

Construct number

1337

Date entered

6.9.00

Constructed by

Courtneidge lab

Date constructed

5/93

PLASMID NAME

pSGT-c-Src

bacterial marker Amp

parent vector

pSGT

bacterial plasmid

Bluescribe M13+

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts chicken c-Src

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

- received via Superti-Furga's lab
- expression vector replicates in COS cells.

Reference

Construct number

1338

Date entered

6.9.00

Constructed by

Courtneidge lab

Date constructed

5/93

PLASMID NAME

pSGT-Src527

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSGT-c-Src

bacterial plasmid

Bluescribe M13+

other relevant source constructs

Inserts chicken c-Src with Y527F mutation (constitutively active mutant)

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

- received via Superti-Furga's lab
- expression vector replicates in COS cells.

Reference

Construct number

1339

Date entered

21.9.00

Constructed by

David Moore's lab

Date constructed

PLASMID NAME

CMXGal-ER 304-336

bacterial marker Amp

parent vector

CMXS-Gal4

bacterial plasmid

other relevant source constructs

Inserts

Gal4 DNA binding domain fused to AA 304-336 (helix 1) of human estrogen receptor α (ER α)

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments

Reference

Pissios et al. (2000) Mol. Cell 6, 245

Construct number

1340

Date entered

21.9.00

Constructed by

David Moore's lab

Date constructed

PLASMID NAME

CMXVP-ER 337-595

bacterial marker Amp

parent vector

CMXS-VP16

bacterial plasmid

other relevant source constructs

Inserts

VP16 fused to AA 337-595 of human estrogen receptor α (ER α), i.e. hormone binding domain without helix 1.

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments

- there is some uncertainty about N-terminal end (tube says 337; map says 324).

Reference

Pissios et al. (2000) Mol. Cell 6, 245

DIDIER PICARD LAB, University of Geneva

Construct number

1341

Date entered

21.9.00

Constructed by

Valentina Gburcik

Date constructed

20.9.00

PLASMID NAME

pSG5-SF3a

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

other relevant source constructs

KsSF3a120

Inserts Sf3a120

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter
- T7 RNA polymerase promoter
- rabbit β -globin IVS2
- SV40 polyA site

Comments KsSF3a120 plasmid gained from Angela Krämer's lab

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.6.01

Constructed by nathalie bot

Date constructed

PLASMID NAME

pIRESpuro2-hERb 488 Y-S

bacterial marker Amp

vertebrate marker Puromycin

parent vector

piIRESpuro2

bacterial plasmid

other relevant source constructs

Inserts human estrogen receptor beta full length (530) with aa point mutation at aa 488 changing Y into a serine

Reporter gene

Promoter, CMV
splice, synthetic intron
PolyA bovin GH poly A

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1343

Date entered

Constructed by

Date constructed

PLASMID NAME

bacterial marker

vertebrate marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

1344

Date entered

27.9.00

Constructed by

Tom Boyer

Date constructed

PLASMID NAME

pCS2+-hSur2e

bacterial marker Amp

parent vector

pCS2+

bacterial plasmid

other relevant source constructs

Inserts

human Sur2 (hSur2) with HA tag at C-terminus

Reporter gene

Promoter,
splice,
PolyA

- simian CMV (IE94)
- SP6 and T7 for in vitro transcription

Comments

this is the subclone b from Tom.

Reference

Construct number

1345

Date entered

28.9.00

Constructed by

E. Craig

Date constructed

PLASMID NAME

EC703

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

YEp351

bacterial plasmid

other relevant source constructs

Inserts

SSA1 insert (4.3Kb).
Should be expressed with its own promoter

Reporter gene

Promoter,
splice,
PolyA

Comments (#714)

Reference

Construct number

1346

Date entered

28.9.00

Constructed by

E. Craig

Date constructed

PLASMID NAME

GAL1/10

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pC1/1

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Gal1/10

Comments (#233)

Reference

Construct number

1347

Date entered

28.9.00

Constructed by

E. Craig

Date constructed

PLASMID NAME

GAL1-100

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

PC1/1

bacterial plasmid

other relevant source constructs

Inserts SSA1 downstream of a GAL1/10 promoter

Reporter gene

Promoter, Gal1/10
splice,
PolyA

Comments (#234)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 28.9.00

Constructed by Didier Picard

Date constructed 28.9.00

PLASMID NAME

pYES/GST

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES2.0

bacterial plasmid

other relevant source constructs

p2U/GST-2

Inserts glutathione-S-transferase (GST)

Reporter gene

Promoter,
splice,
PolyA GAL 1 + termination sequence

Comments - Galactose inducible promoter
- complete sequence available.

Reference

Construct number

1352

Date entered

31.10.00

Constructed by

Simon Avery's lab

Date constructed

PLASMID NAME

pSVA12

alternative name

yEGFP3

bacterial marker Amp

parent vector

yeast marker HIS3

bacterial plasmid

eucaryotic replicon none?

other relevant source constructs

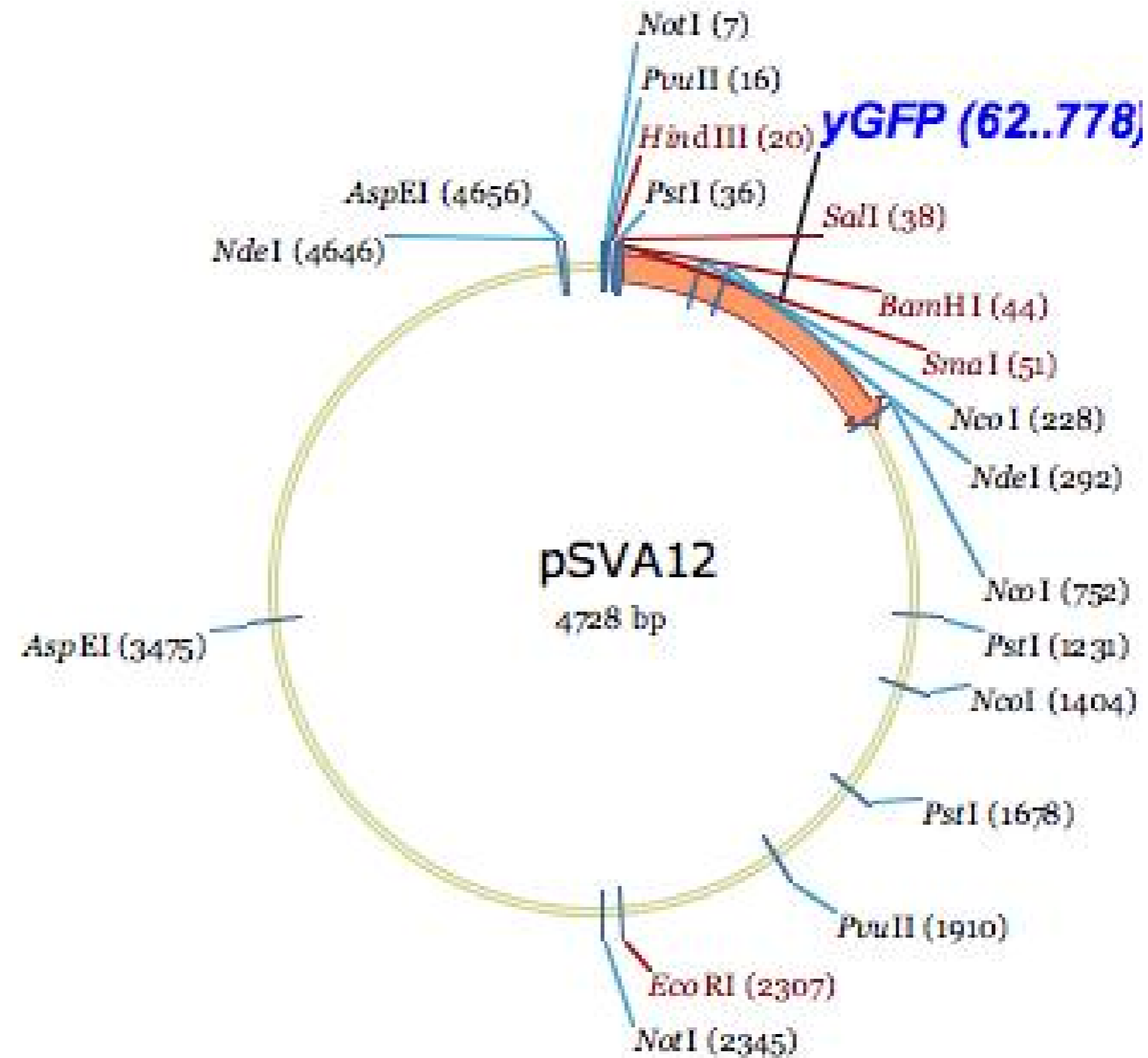
Inserts yEGFP3 (a yeast- and FACS-optimized GFP variant)

Reporter gene

Promoter, splice, PolyA none?

Comments - GFP is between AUG and stop codon (before Ascl site). Sequence available.
- HIS3 may be HIS5 from S. pombe.

Reference Mateus and Avery (2000) Yeast 16(14):1313-1323
Inserted the map using vectorNTI from the sequences provided. There are more RE sites in the MCS.(Deo@8.5.6)



Construct number

1353

Date entered

31.10.00

Constructed by

Simon Avery's lab

Date constructed

PLASMID NAME

pSVA13

alternative name

yEGFP3-Cln2(PEST)

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon none?

parent vector

bacterial plasmid

other relevant source constructs

Inserts yEGFP3 (a yeast- and FACS-optimized GFP variant) fused to the Cln2 PEST sequence

Reporter gene

Promoter,
splice,
PolyA none?

Comments - fusion protein is between AUG and stop, followed by Ascl site.
- HIS3 may be HIS5 from S. pombe.

Reference Mateus and Avery (2000) Yeast 16(14):1313-1323

Construct number

1354

Date entered

2.11.00

Constructed by

Date constructed

PLASMID NAME

pSG5 hROR α 1

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

Inserts human ROR α 1 (=RZR α)

Reporter gene

Promoter, - SV40 early promoter.
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference obtained from Bart Staels' lab

Construct number

1355

Date entered

2.11.00

Constructed by

Date constructed

PLASMID NAME

RORE(35)TKLUC

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts ROR response elements (3 copies) upstream of TK promoter

Reporter gene luciferase

Promoter,
splice,
PolyA

Comments

Reference from Bart Staels' lab

Construct number

1356

Date entered

2.11.00

Constructed by

Date constructed

PLASMID NAME

RORE(95)TKLUC

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

ROR response elements (9 copies in sense orientation) upstream of TK promoter

Reporter gene

luciferase

Promoter,
splice,
PolyA

Comments

Reference from Bart Staels' lab

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 2.11.00

Constructed by Pierre-André Briand

Date constructed 29.8.00

PLASMID NAME

p2UE/S65T

bacterial marker Amp

parent vector

p2UEF

bacterial plasmid

pUC18

yeast marker URA3

other relevant source constructs

p2UG/F, p2U/S65T.Hsp82, p2HG/Hsp82.S65T

eucaryotic replicon 2 μ circle

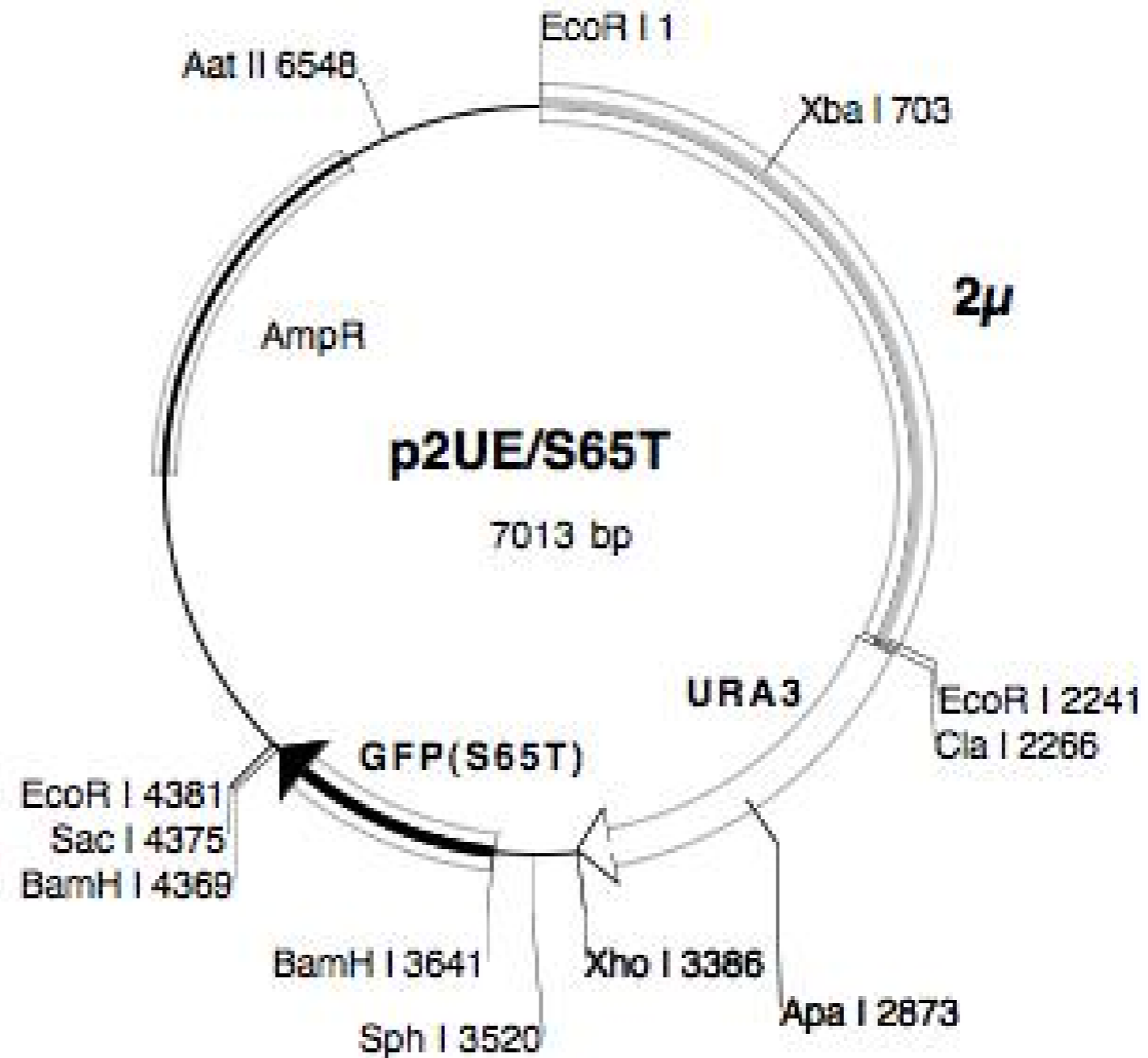
Inserts single ERE (CTCGAGTCAGGTCACAGTGACCTGATCAAGTCGAC) upstream of CYC1 TATA region driving the red-shifted GFP point mutant S65T.

Reporter gene

Promoter, splice, PolyA
 - CYC1 promoter
 - no terminator

Comments
 - works well in yeast (S65T is not excited by UV!).
 - sequence available with two uncertainties: (1) Exact sequence of mutation S65T; (2) Polylinker sequence past stop codon.

Reference



Sequence around AUG: CggatccAAAGCATG

DIDIER PICARD LAB, University of Geneva

Construct number

1358

Date entered

7.11.00

Constructed by

christoph Von Ballestrem

Date constructed

22.08.97

PLASMID NAME

pcEGFP- β actin

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

bacterial plasmid

other relevant source constructs

Inserts GFP fused to the Nt of β -actin gene

Reporter gene

Promoter,
splice,
PolyA

come from Beat Imhof lab

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 23.11.00

Constructed by toufik

Date constructed 11.00

PLASMID NAME

pYes2/HA

alternative name

pYHA

bacterial marker Amp

parent vector

pYes2

bacterial plasmid

yeast marker URA3

other relevant source constructs

eucaryotic replicon 2μ circle

Inserts HA tag (MQDLPGNDNSTAG)

gagctc ATG CAG GAC CTG CCA GGC AAC GAC AAC AGC ACC GCC

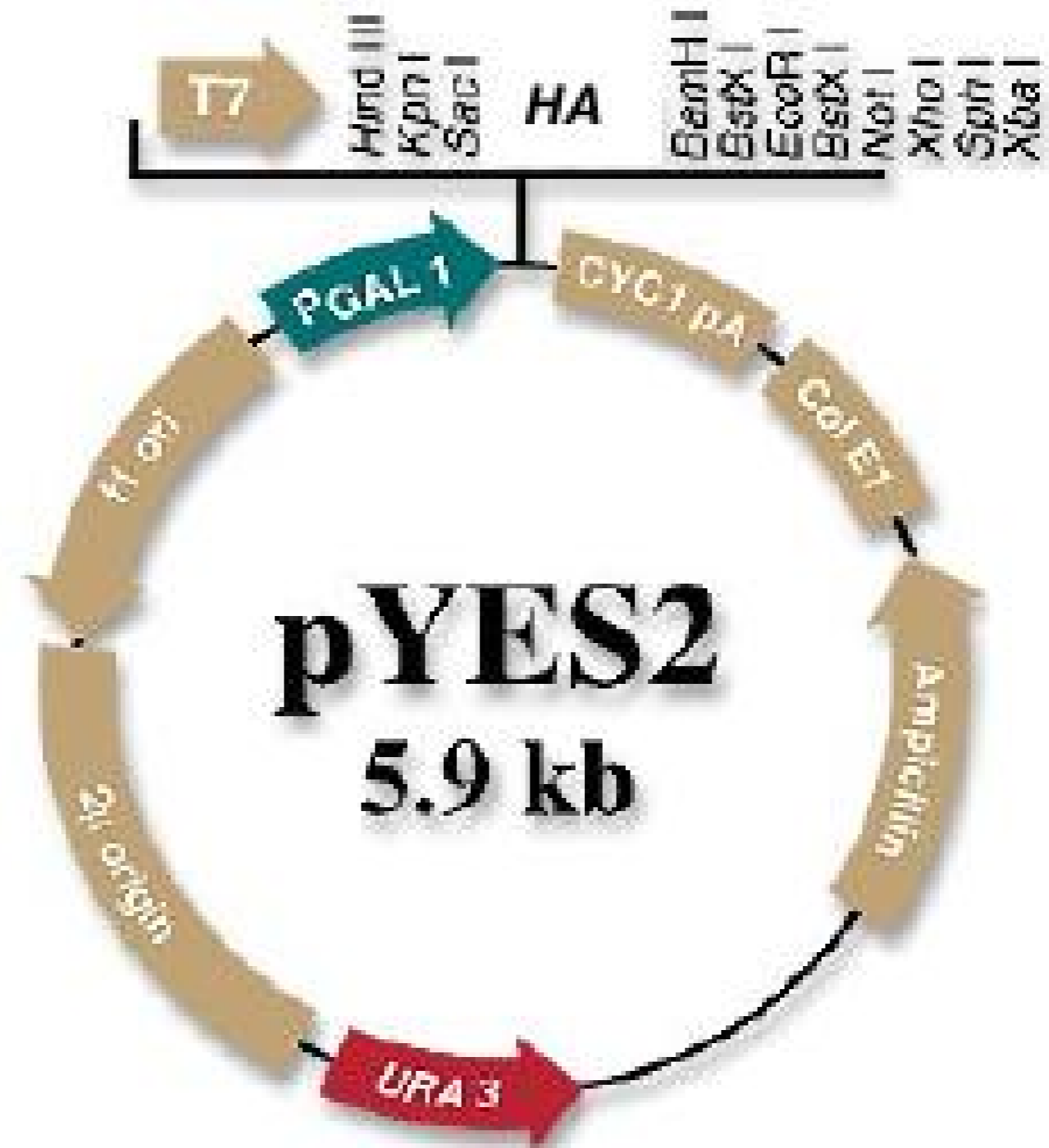
GGC CTT ggg atc

Reporter gene

Promoter, splice, PolyA GAL1

Comments the frame and the insertion in the MCS in the same as in the pYes/Flag

Reference



Construct number

1360

Date entered

27.11.00

Constructed by

David Pearce's lab

Date constructed

PLASMID NAME

pCMV4/neo/rMR

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pCMV4/neo

bacterial plasmid

other relevant source constructs

pC7/rMR

Inserts full-length wild-type rat mineralocorticoid receptor (rMR)

Reporter gene

Promoter,
splice,
PolyA CMV

Comments - neo gene allows stable transformation

Reference

Construct number

1361

Date entered

27.11.00

Constructed by

David Pearce's lab

Date constructed

PLASMID NAME

pCMV4/neo/MR N689

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pCMV4/neo

bacterial plasmid

other relevant source constructs

pC7/rMR

Inserts rat mineralocorticoid receptor (rMR), truncated at AA 689 (lacks hormone binding domain)

Reporter gene

Promoter, CMV
splice,
PolyA

Comments - neo gene allows stable transformation
- **MAP IS FOR A PRECURSOR PLASMID, NOT THIS ONE**

Reference

Construct number

1362

Date entered

27.11.00

Constructed by

David Pearce's lab

Date constructed

PLASMID NAME

pCMV4/neo/MR 596C

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pCMV4/neo

bacterial plasmid

other relevant source constructs

pC7/rMR

Inserts rat mineralocorticoid receptor (rMR), lacking N-terminal 595 AA (A/B domain)

Reporter gene

Promoter, CMV, TK leader and AUG
splice,
PolyA

Comments - neo gene allows stable transformation
- **MAP IS FOR A PRECURSOR PLASMID, NOT THIS ONE**

Reference

Construct number

1363

Date entered

27.11.00

Constructed by

Duboule lab

Date constructed

PLASMID NAME

pC10-6R/LIF

bacterial marker Amp

parent vector

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts human LIF cDNA

Reporter gene

Promoter,
splice,
PolyA

Comments - for transient expression of human LIF

Reference

Construct number

1364

Date entered

27.11.00

Constructed by

David Smith

Date constructed

PLASMID NAME

pSPUTK-Hop

bacterial marker Amp

parent vector

pSPUTK

bacterial plasmid

other relevant source constructs

Inserts human hop cDNA

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1365

Date entered

30.11.00

Constructed by

Didier Picard

Date constructed

01/01

PLASMID NAME

p Δ sch9::HIS3

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon none !

parent vector

pUC18/SCH9

bacterial plasmid

pUC

other relevant source constructs

pRS303

Inserts HIS3 gene in SCH9 open reading frame (retains first 670 bp and last 445 bp)

Reporter gene

Promoter,
splice,
PolyA complete HIS3 gene

Comments - for disrupting SCH9 gene with HIS3
- sequence available

Reference

Construct number

1366

Date entered

1.12.00

Constructed by

P.A.BRIAND

Date constructed

20.10.00

PLASMID NAME

bacterial marker Amp

yeast marker URA3

parent vector
pUCΔSS-ERE
bacterial plasmid

other relevant source constructs
pEGFP-C1 for PCR

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

1367

Date entered

4.12.00

Constructed by

JoAnne S. Richards' lab

Date constructed

PLASMID NAME

-2698/32PGS.CAT

bacterial marker Amp

parent vector
pCAT.Basic
bacterial plasmid

other relevant source constructs

Inserts rat PGS-2 (=COX-2) promoter fragment (-2698 to + 32 relative to cap site)
driving CAT

Reporter gene CAT

Promoter,
splice,
PolyA rat COX-2

Comments

Reference Sirois et al. (1993) JBC 268, 12199

Construct number

1368

Date entered

4.12.00

Constructed by

JoAnne S. Richards' lab

Date constructed

PLASMID NAME

-628/32PGS.CAT

bacterial marker Amp

parent vector

pCAT.Basic

bacterial plasmid

other relevant source constructs

Inserts

rat PGS-2 (=COX-2) promoter fragment (-628 to + 32 relative to cap site)
driving CAT

Reporter gene

CAT

Promoter,
splice,
PolyA

rat COX-2

Comments

Reference

Sirois et al. (1993) JBC 268, 12199

Construct number

1369

Date entered

4.12.00

Constructed by

JoAnne S. Richards' lab

Date constructed

PLASMID NAME

-192/32PGS.CAT

bacterial marker Amp

parent vector

pCAT.Basic

bacterial plasmid

other relevant source constructs

Inserts

rat PGS-2 (=COX-2) promoter fragment (-192 to + 32 relative to cap site)
driving CAT

Reporter gene

CAT

Promoter,
splice,
PolyA

rat COX-2

Comments

Reference

Sirois et al. (1993) JBC 268, 12199

Construct number

1370

Date entered

6.12.00

Constructed by

Fedor

Date constructed

5.12.00

PLASMID NAME

pYHA::SBA1

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYes2/HA

bacterial plasmid

other relevant source constructs

Inserts

Yeast p23 (SBA1) - (BamHI-EcoRI)
HA fused to SBA1 (SacI-BamHI).

Reporter gene

Promoter, Gal1
splice,
PolyA

Comments DNA from mini-prep

Reference

Construct number

1371

Date entered

6.12.00

Constructed by

Fedor

Date constructed

5.12.00

PLASMID NAME

pYHA::*sba1* Δ 1-129

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYes2/HA

bacterial plasmid

other relevant source constructs

Inserts

Yeast p23 (SBA1) with amino acids 1 to 129 deleted - (BamHI-EcoRI)
HA fused to SBA1 (SacI-BamH1).

Reporter gene

Promoter, Gal1
splice,
PolyA

Comments DNA from mini-prep

Reference

Construct number

1372

Date entered

6.12.00

Constructed by

Fedor

Date constructed

5.12.00

PLASMID NAME

pYHA::*sba1*Δ131-217

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2μ circle

parent vector

pYes2/HA

bacterial plasmid

other relevant source constructs

Inserts

Yeast p23 (SBA1) with amino acids 131 to 217 deleted - (BamHI-EcoRI)
HA fused to SBA1 (SacI-BamH1).

Reporter gene

Promoter,
splice,
PolyA

Gal1

Comments DNA from mini-prep

Reference

Construct number

1373

Date entered

6.12.00

Constructed by

Fedor

Date constructed

5.12.00

PLASMID NAME

pYHA::*sba1* Δ 1-80

old name

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYes2/HA

bacterial plasmid

other relevant source constructs

Inserts

Yeast p23 (SBA1) with amino acids 1 to 80 deleted - (BamHI-EcoRI)
HA fused to SBA1 (SacI-BamH1).

Reporter gene

Promoter, Gal1
splice,
PolyA

Comments DNA from mini-prep

Reference

Construct number

1374

Date entered

6.12.00

Constructed by

Fedor

Date constructed

5.12.00

PLASMID NAME

pYHA::*sba1* Δ 102-113

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYes2/HA

bacterial plasmid

other relevant source constructs

Inserts

Yeast p23 (SBA1) with amino acids 102 to 113 deleted - (BamHI-EcoRI)
HA fused to SBA1 (SacI-BamH1).

Reporter gene

Promoter, Gal1
splice,
PolyA

Comments DNA from mini-prep

Reference

Construct number

1375

Date entered

7.12.00

Constructed by

Fedor

Date constructed

5.12.00

PLASMID NAME

pYFL/DYN2

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYes2

bacterial plasmid

other relevant source constructs

Inserts

Yeast Dyn2p N'-terminally fused to Flag (BamHI site).

Reporter gene

Promoter,
splice,
PolyA

Gal1

Comments

Yeast Dyn2p cloned by RT-PCR from yeast RNA,
verified by sequencing
DNA from mini-prep

Reference

Construct number

1376

Date entered

8.12.00

Constructed by

Date constructed

PLASMID NAME

pΔP-etsZ

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts mammalian expression vector for dominant negative Ets (deletion?)

Reporter gene

Promoter,
splice,
PolyA

Comments obtained from Ana Aranda's lab

Reference Langer et al. (1992) MCB 12, 5355; and for the vector: Espeseth et al. (1989) Genes Dev. 3, 1647.

Construct number

1377

Date entered

18.12.00

Constructed by

Giguère's lab

Date constructed

PLASMID NAME

pCMX-hROR α 1

bacterial marker Amp

parent vector

pCMX

bacterial plasmid

?

other relevant source constructs

Inserts human ROR α 1 (=RZR α)

Reporter gene

Promoter,
splice,
PolyA - CMV

Comments

Reference

Construct number

1378

Date entered

18.12.00

Constructed by

Giguère's lab

Date constructed

PLASMID NAME

RORE₃-TKLUC

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

ROR response elements (3 copies) upstream of TK promoter

Reporter gene

luciferase

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1379

Date entered

3.1.01

Constructed by

Pierre- Anndré Briand

Date constructed

30 . 4 .00

PLASMID NAME

pTrc/His.CDC37

bacterial marker

parent vector

pG1/cdc37

bacterial plasmid

other relevant source constructs

Inserts cdc37

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

1380

Date entered

11.1.01

Constructed by

Natasha Kralli's lab

Date constructed

PLASMID NAME

pRS313/GPD-PGK

alternative name

pHG

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

Bluescript

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA GPD promoter and PGK terminator

Comments low copy number yeast expression vector

Reference for pRS313: Sikorski and Hieter (1989) Genetics 122, 19-27.

Construct number

1381

Date entered

11.1.01

Constructed by

Natasha Kralli's lab

Date constructed

PLASMID NAME

pRS314/GPD-PGK

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pRS314

bacterial plasmid

Bluescript

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA GPD promoter and PGK terminator

Comments low copy number yeast expression vector

Reference for pRS314: Sikorski and Hieter (1989) Genetics 122, 19-27.

Construct number

1382

Date entered

11.1.01

Constructed by

Natasha Kralli's lab

Date constructed

PLASMID NAME

pRS315/GPD-PGK

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

pRS315

bacterial plasmid

Bluescript

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA GPD promoter and PGK terminator

Comments low copy number yeast expression vector

Reference for pRS315: Sikorski and Hieter (1989) Genetics 122, 19-27.

Construct number 1383

Date entered 11.1.01

Constructed by Natasha Kralli's lab

Date constructed

PLASMID NAME

pRS316/GPD-PGK

<u>bacterial marker</u> Amp	<u>parent vector</u> pRS316
<u>yeast marker</u> URA3	<u>bacterial plasmid</u> Bluescript
<u>eucaryotic replicon</u> CEN/ARS	<u>other relevant source constructs</u>

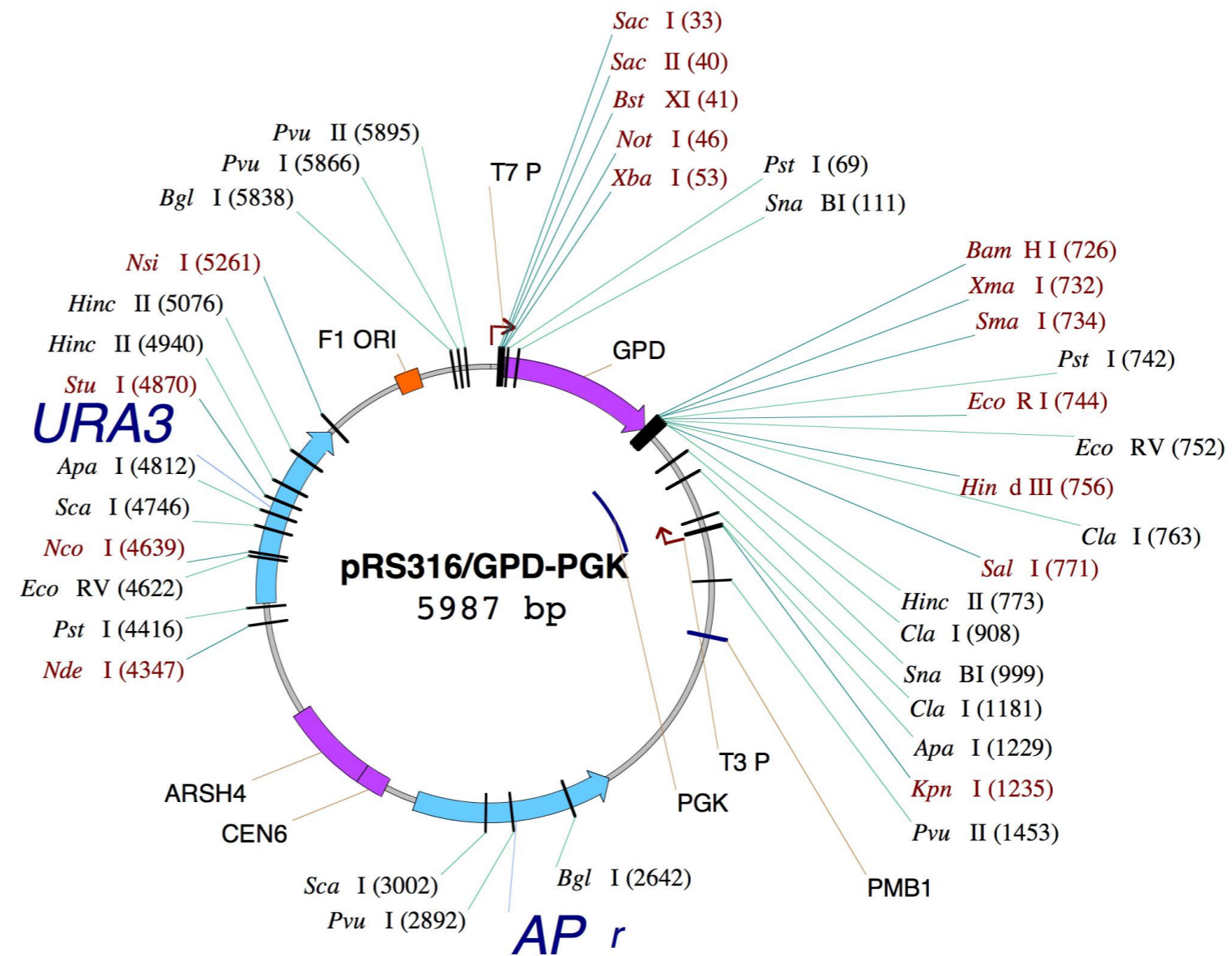
Inserts

Reporter gene

Promoter, splice, PolyA GPD promoter and PGK terminator

Comments low copy number yeast expression vector

Reference for pRS316: Sikorski and Hieter (1989) Genetics 122, 19-27.



DIDIER PICARD LAB, University of Geneva

Construct number 1384

Date entered 29.1.01

Constructed by Didier Picard

Date constructed 01/01

PLASMID NAME

pG/hER β (530)

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG-1

bacterial plasmid

pUC

other relevant source constructs

pCMV-hERbeta, PCR fragment

Inserts human estrogen receptor β (hER β), long form (530 AA).

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase (GPD) promoter,
termination and polyA sites from 3-phosphoglycerate kinase (PGK)

Comments - strong expression from constitutive promoter
- BamHI-SacI fragment of ER β was obtained with Pfu DNA pol.

Reference for pG-1: Schena et al (1991) Methods in Enzymology 194:389-398.

DIDIER PICARD LAB, University of Geneva

Construct number 1385

Date entered 29.1.01

Constructed by Didier Picard

Date constructed 01/01

PLASMID NAME

pTCA/hER β

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pRS314

bacterial plasmid

Bluescript

other relevant source constructs

pG-1, pCMV-hERbeta, PCR fragment

Inserts human estrogen receptor β (hER β), long form (530 AA).

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase (GPD) promoter

Comments BamHI-SacI fragment of ER β was obtained with Pfu DNA pol.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 15.2.01

Constructed by Didier Picard

Date constructed 02/01

PLASMID NAME

pGAD/hERβHBD

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2μ circle

parent vector

pGAD424

bacterial plasmid

pUC

other relevant source constructs

Gal93.ERβ through intermediate,
pCMV5hERbeta

Inserts GAL4 transcriptional activation domain with the SV40 NLS fused to the hormone binding domain (HBD) of human estrogen receptor β (hERβ), AA 244 to 530).

Reporter gene

Promoter, - ADH1 promoter
splice, - ADH1 terminator
PolyA

Comments

Reference

Construct number

1387

Date entered

22.2.01

Constructed by

Date constructed

PLASMID NAME

pGex-2T TC hsp83

bacterial marker Amp

parent vector

bacterial plasmid

pGEX

other relevant source constructs

Inserts

Coding sequence for trypanosoma cruzi hsp83

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Dragon E.A. et al, Mol.Cell.Biol., 7, 1987, pp.1271-1275 for TC hsp83

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 2.3.01

Constructed by nathalie bot

Date constructed 2.03.2001

PLASMID NAME

GFP/ERbeta

bacterial marker Kan

vertebrate marker Neo (G418)

parent vector

pEGFP-C1

bacterial plasmid

other relevant source constructs

pCEP4/ER β
(1292)

Inserts GFP fused to N terminal part of full length hER beta

Reporter gene

Promoter, CMV
splice, SV40 poly A and also SV40 ori
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 2.3.01

Constructed by nathalie bot

Date constructed 2.03.2001

PLASMID NAME

bacterial marker Kan

vertebrate marker Neo (G418)

parent vector

pEGFP-C1

bacterial plasmid

other relevant source constructs

pCEP4/ERbeta Y488S
(1326)

Inserts GFP fused to the N terminal part of full length constitutive hER beta

Reporter gene

Promoter, CMV
splice, SV40 ori
PolyA SV40 poly A

Comments

Reference

Construct number

1390

Date entered

19.3.01

Constructed by

Mitch Lazar's lab

Date constructed

PLASMID NAME

pCMX-mSiah2

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts murine Siah2

Reporter gene

Promoter,
splice,
PolyA CMV

Comments

Reference Zhang et al. (1998) Genes Dev 12, 1775

Construct number

1391

Date entered

21.3.01

Constructed by

Susan Lindquist's lab

Date constructed

PLASMID NAME

pKAT6

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts S. cerevisiae HSC82 gene

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

1392

Date entered

22.3.01

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

1393

Date entered

26.3.01

Constructed by

Andreas Barthel (R. Roth lab)

Date constructed

PLASMID NAME

myrAkt Δ 4-129-ER

bacterial marker Amp

vertebrate marker Blasticidin

parent vector

pWZL-Blasto

bacterial plasmid

other relevant source constructs

pWZL-neo

Inserts

myristoylated human Akt (PKB) variant fused to the hormone binding domain (HBD) of a murine estrogen receptor α (ER) mutant (probably G252R, tamoxifen-responsive).

Akt and HBD separated by an HA-epitope (recognized by 12CA5).

Reporter gene

Promoter,
splice,
PolyA

Comments

- retroviral vector.
- myr-AKT-ER insert can be cut out with BamHI-Sal1.

Reference

for the pWZL-neo version: Kohn et al. (1998) JBC 273, 11937

Construct number

1394

Date entered

26.3.01

Constructed by

Date constructed

PLASMID NAME

pGEX-3X

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts bacterial vector for expression of GST fusion proteins

Reporter gene

Promoter,
splice,
PolyA tac

Comments also contains lacIq

Reference Smith and Johnson (1988) Gene 67, 31-40

Construct number

1395

Date entered

5.4.01

Constructed by

Steven Dowdy's lab

Date constructed

PLASMID NAME

pTAT-HA

bacterial marker Amp

parent vector

pRSET

bacterial plasmid

pUC

other relevant source constructs

Inserts

His6 tag fused to TAT protein transduction domain followed by HA epitope (12CA5 epitope) and polylinker

Reporter gene

Promoter, T7 promoter
splice,
PolyA

Comments - for expression in E. coli.

**- DO NOT EXPRESS PROTEINS WITHOUT CONSIDERING
APPROPRIATE SAFETY MEASURES -> see DP**

Reference Nagahara et al. (1998) Nature Med. 4, 1449

Construct number

1396

Date entered

5.4.01

Constructed by

Steven Dowdy's lab

Date constructed

PLASMID NAME

pTAT-HA β -gal

bacterial marker Amp

parent vector

pTAT-HA

bacterial plasmid

pUC

other relevant source constructs

Inserts

His6 tag fused to TAT protein transduction domain followed by HA epitope (12CA5 epitope) and β -galactosidase

Reporter gene

Promoter,
splice,
PolyA

T7 promoter

Comments

- for expression in E. coli.

**- DO NOT EXPRESS PROTEINS WITHOUT CONSIDERING
APPROPRIATE SAFETY MEASURES -> see DP**

Reference

for vector: Nagahara et al. (1998) Nature Med. 4, 1449

Construct number

1397

Date entered

5.4.01

Constructed by

Steven Dowdy's lab

Date constructed

PLASMID NAME

pNOTAT-HA β -gal

bacterial marker Amp

parent vector

bacterial plasmid

pUC

other relevant source constructs

Inserts

His6 tag fused to HA epitope (12CA5 epitope) and β -galactosidase

Reporter gene

Promoter,
splice,
PolyA

T7 promoter

Comments

- for expression in E. coli.
- corresponds to pTAT-HA β -gal without TAT protein transduction domain.

Reference

Construct number

1398

Date entered

12.4.01

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.4.01

Constructed by toufik

Date constructed 2001

PLASMID NAME

pYesF/Sti1.TPR1

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYes/Flag

bacterial plasmid

other relevant source constructs

Inserts TPR1 of Sti1 (AA 1-200)

Reporter gene

Promoter, GAL1
splice,
PolyA

Comments

Reference Abbas-Terki et al. (2001) Mol. Cell. Biol. 21, 7569–7575.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.4.01

Constructed by toufik

Date constructed 2001

PLASMID NAME

pYesF/Sti1.TPR2AB

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYes/Flag

bacterial plasmid

other relevant source constructs

Inserts Sti1 TPR2A/B (AA 201-589)

Reporter gene

Promoter, GAL1
splice,
PolyA

Comments

Reference Abbas-Terki et al. (2001) Mol. Cell. Biol. 21, 7569–7575.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.4.01

Constructed by toufik

Date constructed 2001

PLASMID NAME

pYesF/Sti1

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

PYes/Flag

bacterial plasmid

other relevant source constructs

Inserts Sti1

Reporter gene

Promoter, GAL1
splice,
PolyA

Comments

Reference Abbas-Terki et al. (2001) Mol. Cell. Biol. 21, 7569–7575.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.4.01

Constructed by toufik

Date constructed 2001

PLASMID NAME

pYesF/Hsp104

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

PYes/Flag

bacterial plasmid

other relevant source constructs

Inserts Hsp104

Reporter gene

Promoter,
splice,
PolyA GAL1

Comments complement Δ hsp104 strain in luciferase refolding assay

Reference Abbas-Terki et al. (2001) Mol. Cell. Biol. 21, 7569–7575.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.4.01

Constructed by Toufik

Date constructed 2001

PLASMID NAME

pYesF/Hsp104 Δ C2

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

PYes/Flag

bacterial plasmid

other relevant source constructs

Inserts Hsp104 Δ C2 is a deletion of the 8 last AA (MEIDDDLD)

Reporter gene

Promoter,
splice,
PolyA GAL1

Comments

Reference Abbas-Terki et al. (2001) Mol. Cell. Biol. 21, 7569–7575.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.4.01

Constructed by Toufik

Date constructed 2001

PLASMID NAME

pYesF/SSE1

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

PYes/Flag

bacterial plasmid

other relevant source constructs

Inserts SSE1

Reporter gene

Promoter,
splice,
PolyA GAL1

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.4.01

Constructed by Toufik

Date constructed 2001

PLASMID NAME

pYesF/SSA1

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

PYes/Flag

bacterial plasmid

other relevant source constructs

Inserts SSA1

Reporter gene

Promoter, GAL1
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.4.01

Constructed by Toufik

Date constructed 2001

PLASMID NAME

pYesHA/SSE1

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

PYes/HA

bacterial plasmid

other relevant source constructs

Inserts SSE1 fused at the C-ter of the HA tag (MQDLPGNDNSTAG)

Reporter gene

Promoter, GAL1
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.4.01

Constructed by Toufik

Date constructed 2001

PLASMID NAME

pYesF/CNS1

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

PYes/Flag

bacterial plasmid

other relevant source constructs

Inserts CNS1

Reporter gene

Promoter, GAL1
splice,
PolyA

Comments

Reference Abbas-Terki et al. (2001) Mol. Cell. Biol. 21, 7569–7575.

DIDIER PICARD LAB, University of Geneva

Construct number 1408

Date entered 14.4.01

Constructed by Toufik

Date constructed 2001

PLASMID NAME

CKF/HOP.TPR1

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

CKF and pSPUTK-Hop

bacterial plasmid

other relevant source constructs

Inserts h HOP TPR1 (AA 1-1-90)

Reporter gene

Promoter, CMV
splice, SV40 polyA
PolyA

Comments expressed

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.4.01

Constructed by toufik

Date constructed 2001

PLASMID NAME

p2U/GST.Cpr7-cyp

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U/GST.Hsp82

bacterial plasmid

other relevant source constructs

Inserts Cyp domain of Cpr7 (AA 1-200) fused to GST

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.4.01

Constructed by toufik

Date constructed 2001

PLASMID NAME

p2U/GST.Cpr7-TPR

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U/GST.Hsp82

bacterial plasmid

other relevant source constructs

Inserts TPR domain of Cpr7 (AA 197-393) fused to GST

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.4.01

Constructed by Toufik

Date constructed 2001

PLASMID NAME

pYES/p50

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

Pyes

bacterial plasmid

other relevant source constructs

Inserts p50 (cdc37) cDNA expressed without Flag

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.4.01

Constructed by toufik

Date constructed 2001

PLASMID NAME

pTrcHis/Sti1.TPR1

bacterial marker Amp

parent vector

pTrcHis.C and pYesF/Sti1.TPR1

bacterial plasmid

other relevant source constructs

Inserts His sti1 TPR1

Reporter gene

Promoter,
splice,
PolyA trc promoter, lac operator

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.4.01

Constructed by toufik

Date constructed 2001

PLASMID NAME

pTrcHis/Sti1.TPR2AB

bacterial marker Amp

parent vector
pTrcHis.C and pYesF/Sti1.TPR2AB

bacterial plasmid

other relevant source constructs

Inserts His Sti1.TPR2AB

Reporter gene

Promoter,
splice,
PolyA trc promoter, lac operator

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.4.01

Constructed by Toufik

Date constructed 2001

PLASMID NAME

pG/Hsp104 Δ C1

bacterial marker Amp

yeast marker TRP1

2 μ circle

parent vector

pG-1

bacterial plasmid

other relevant source constructs

Inserts

Hsp104 deleted in C-ter. (AA 1-870) no stop.
The stop codon is one of the triple stop codon of pG-1.
Contains a Flag tag at N-ter.

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

Construct number 1415

Date entered 14.4.01

Constructed by toufik

Date constructed 2001

PLASMID NAME

pRS426/GPDLuxAB(his)

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pRS426 and pGPDLuxAB(his)

bacterial plasmid

other relevant source constructs

Inserts Luciferase fusion protein.
This protein is ts.

Reporter gene

Promoter,
splice,
PolyA GPD

Comments works

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.4.01

Constructed by toufik

Date constructed 2001

PLASMID NAME

pTrcHis/Sti1

bacterial marker Amp

parent vector
pTrcHis.C and pYesF/Sti1
bacterial plasmid

other relevant source constructs

Inserts His Sti1

Reporter gene

Promoter,
splice,
PolyA trc promoter, lac operator

Comments

Reference Abbas-Terki et al. (2001) Mol. Cell. Biol. 21, 7569–7575.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.4.01

Constructed by Toufik

Date constructed 2001

PLASMID NAME

pTrcHis/CNS1

bacterial marker Amp

parent vector
pTrcHis.C and pYesF/CNS1
bacterial plasmid

other relevant source constructs

Inserts His CNS1

Reporter gene

Promoter,
splice,
PolyA trc promoter, lac operator

Comments

Reference

Construct number 1418

Date entered 14.4.01

Constructed by toufik

Date constructed 2001

PLASMID NAME

pTrcHis/Hsp104

bacterial marker Amp

parent vector
pTrcHis.C and pYesF/Hsp104
bacterial plasmid

other relevant source constructs

Inserts His Hsp104

Reporter gene

Promoter,
splice,
PolyA trc promoter, lac operator

Comments

Reference Abbas-Terki et al. (2001) Mol. Cell. Biol. 21, 7569–7575.

DIDIER PICARD LAB, University of Geneva

Construct number

1419

Date entered

16.4.01

Constructed by

Pierre- Anndré Briand

Date constructed

2001

PLASMID NAME

pG1/Cdc37 Δ N(1-46)

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG-1

bacterial plasmid

other relevant source constructs

Inserts deletion of the 46 first AA of Cdc37.

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1420

Date entered

16.4.01

Constructed by

Pierre- Anndré Briand

Date constructed

2001

PLASMID NAME

pG1/Cdc37 Δ C

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG-1

bacterial plasmid

other relevant source constructs

Inserts deletion of the C-Ter of Cdc37 (Δ 456-506).

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1421

Date entered

16.4.01

Constructed by

Pierre- Anndré Briand

Date constructed

2001

PLASMID NAME

p2U/GST-Cdc37 Δ N

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U/GST.Hsp82 pG1/Cdc37 Δ N

bacterial plasmid

other relevant source constructs

Inserts

GST fused to Cdc37 deletion mutant (Δ 1-46AA)

Reporter gene

Promoter,
splice,
PolyA

GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.4.01

Constructed by toufik

Date constructed 2001

PLASMID NAME

pYES/Sti1::His3

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYes/Sti1

bacterial plasmid

other relevant source constructs

Inserts insertion of HIS3 in Sti1.
This plasmid could be cut by SacI / XbaI / EcoRV and used for deletion of STI1.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.4.01

Constructed by toufik

Date constructed 2001

PLASMID NAME

pRS313/pHO

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313 and pHO

bacterial plasmid

other relevant source constructs

Inserts Saccharomyces cerevisiae endonuclease HO (mating type switch)
under the control it's own promoter (turned off when cells are in the diploid form)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

1424

Date entered

16.4.01

Constructed by

morano k.

Date constructed

2001

PLASMID NAME

ΔSSE1

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1425

Date entered

24.4.01

Constructed by

Pierre-André Briand

Date constructed

02/01

PLASMID NAME

pGAD/hERβ

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2μ circle

parent vector

pGAD424

bacterial plasmid

pUC

other relevant source constructs

pG/hERβ(530)

Inserts

GAL4 transcriptional activation domain with the SV40 NLS fused to the full length human estrogen receptor β (hERβ), AA 1 to 530.

Reporter gene

Promoter, - ADH1 promoter
splice, - ADH1 terminator
PolyA

Comments

Reference

Construct number

1426

Date entered

10.5.01

Constructed by

Invitrogen

Date constructed

PLASMID NAME

pcDNA6/TR

bacterial marker Amp

vertebrate marker Blasticidin

eucaryotic replicon SV40 ori

parent vector

pcDNA6

bacterial plasmid

pUC

other relevant source constructs

Inserts Tetracycline repressor

Reporter gene

Promoter, CMV promoter, globin IVS
splice, SV40 polyA
PolyA

Comments Tet repressor for mammalian tetracycline-regulated expression

Reference

Construct number

1427

Date entered

10.5.01

Constructed by

Invitrogen

Date constructed

PLASMID NAME

pcDNA4/TO/myc-His A

bacterial marker Amp

vertebrate marker Zeocin

eucaryotic replicon SV40 ori

parent vector

bacterial plasmid

pUC

other relevant source constructs

Inserts

Reporter gene

Promoter, CMV promoter with tetracycline operator 2 (2x TetO2)
splice, BGH polyA
PolyA

Comments - sequence available
- for tetracycline-regulated expression of proteins fused to myc epitope and His6 tag.

Reference

Construct number

1428

Date entered

10.5.01

Constructed by

Invitrogen

Date constructed

PLASMID NAME

pcDNA4/TO/myc-His B

bacterial marker Amp

vertebrate marker Zeocin

eucaryotic replicon SV40 ori

parent vector

bacterial plasmid

pUC

other relevant source constructs

Inserts

Reporter gene

Promoter, CMV promoter with tetracycline operator 2 (2x TetO2)
splice, BGH polyA
PolyA

Comments - sequence available
- for tetracycline-regulated expression of proteins fused to myc epitope and His6 tag.

Reference

Construct number

1429

Date entered

10.5.01

Constructed by

Invitrogen

Date constructed

PLASMID NAME

pcDNA4/TO/myc-His C

bacterial marker Amp

vertebrate marker Zeocin

eucaryotic replicon SV40 ori

parent vector

bacterial plasmid

pUC

other relevant source constructs

Inserts

Reporter gene

Promoter, CMV promoter with tetracycline operator 2 (2x TetO2)
splice, BGH polyA
PolyA

Comments - sequence available
- for tetracycline-regulated expression of proteins fused to myc epitope and His6 tag.

Reference

Construct number

1430

Date entered

10.5.01

Constructed by

Invitrogen

Date constructed

PLASMID NAME

pcDNA4/TO/myc-His/lacZ

bacterial marker Amp

vertebrate marker Zeocin

eucaryotic replicon SV40 ori

parent vector

bacterial plasmid

pUC

other relevant source constructs

Inserts β -galactosidase (lacZ) fused to myc epitope and His6 tag.

Reporter gene

Promoter, CMV promoter with tetracycline operator 2 (2x TetO2)
splice, BGH polyA
PolyA

Comments - sequence available
- for tetracycline-regulated expression

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1431

Date entered

18.5.01

Constructed by

Valentina Gburcik

Date constructed

16.5.01

PLASMID NAME

pGEX2T-AF1(1-180)

bacterial marker Amp

parent vector

pGEX-2T

bacterial plasmid

other relevant source constructs

Inserts

AF1 (1-180) region of the human estrogen receptor alpha fused to GST

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Gburcik et al. (2005), MCB 25: 3421

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.5.01

Constructed by Valentina Gburcik

Date constructed 16.5.01

PLASMID NAME

pGEX2T-AF1(3xE)(1-180)

bacterial marker Amp

parent vector

pGEX2T

bacterial plasmid

other relevant source constructs

Inserts AF1 (1-180) region of the human estrogen receptor a mutant (serines 104, 106 and 118 mutated to glutamic acid) fused to GST

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Gburcik et al. (2005), MCB 25: 3421

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.5.01

Constructed by P.A. BRIAND

Date constructed 16.5.01

PLASMID NAME

pTRC His/Hsp104 Δ C2

bacterial marker Amp

parent vector
pTRC HIS C
bacterial plasmid

other relevant source constructs
pYesF/Hsp104 Δ C2

Inserts Hsp104 Δ C2 is a deletion of the 8 last AA (MEIDDDLD)

Reporter gene

Promoter,
splice,
PolyA

Comments protein not recognised by anti HSP104

Reference Abbas-Terki et al. (2001) Mol. Cell. Biol. 21, 7569–7575.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.5.01

Constructed by P.A. Briand

Date constructed

PLASMID NAME

pTrcHisB/Hsp82 Δ C

bacterial marker Amp

parent vector

pTrcHis B

bacterial plasmid

other relevant source constructs

pHCA /GAL(1-74).hsp82.VP16
p2TG/hsp82 (1-704)

Inserts Hsp82 codons 1-704

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Abbas-Terki et al. (2001) Mol. Cell. Biol. 21, 7569–7575.

Construct number

1435

Date entered

7.6.01

Constructed by

E. Martineu

Date constructed

11.05.2000

PLASMID NAME

pGBT-NCOR

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pGBT9(1-93)

bacterial plasmid

other relevant source constructs

Inserts mNCOR from nucleotides 4830 to 7478 fused to Gal 4 binding domain.

Reporter gene

Promoter, ADH1 promoter
splice,
PolyA

Comments

Reference

Construct number

1436

Date entered

7.6.01

Constructed by

E. Martineu

Date constructed

11.05.2000

PLASMID NAME

pGBT-GRIP1

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pGBT9(1-93)

bacterial plasmid

other relevant source constructs

Inserts GRIP1 nucleotides 1953 to 2566 fused to Gal 4 binding domain

Reporter gene

Promoter, ADH1
splice,
PolyA

Comments

Reference

Construct number

1436

Date entered

25.6.01

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by P. Dudek

Date entered 25.6.01
 Date constructed 01.6.01

PLASMID NAME

pSCTEV-Gal4 Grip1

bacterial marker Amp	parent vector pSCTEV gal93-LF0 (39)
	bacterial plasmid
eucaryotic replicon SV40 ori	other relevant source constructs pGBT9(1-93) GRIP1

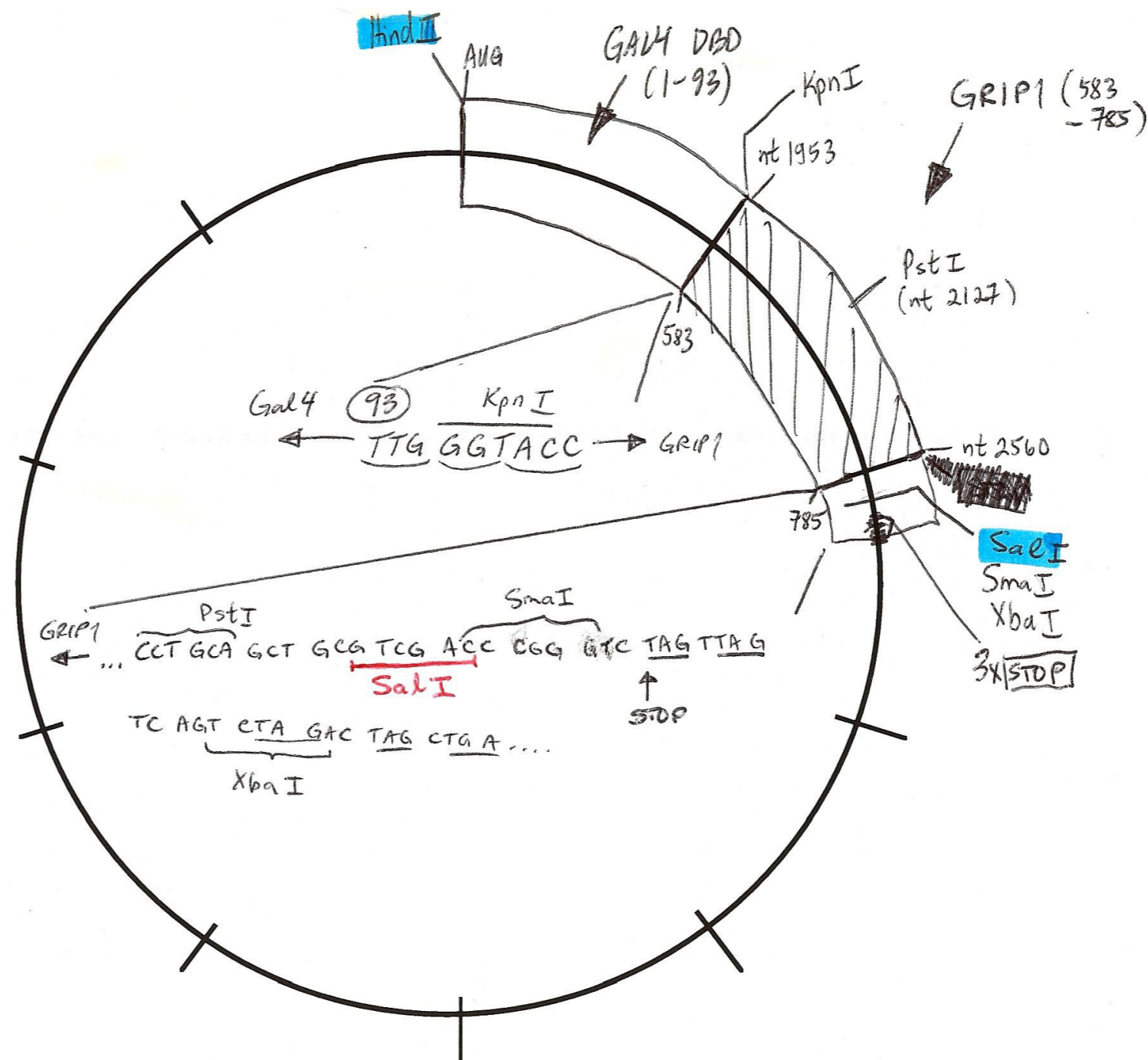
Inserts mouse GRIP1 steroid receptor interaction domain (aa 583-785) C-terminally fused to Gal4 DBD and dimerization domain (aa 1-93) for mammalian expression

Reporter gene

Promoter, splice, PolyA
 - CMV enhancer / promoter
 - T7 RNA polymerase promoter
 - rabbit β -globin IVS2 and polyA

Comments
 - Map lacks some key restriction sites on the 3' end of the Grip1 sequence.
 - the sequence of the Grip1 insert with flanking restriction sites is available

Reference



Construct number

1439

Date entered

26.6.01

Constructed by

Stan Fields lab

Date constructed

PLASMID NAME

pOBD2

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

other relevant source constructs

pGBDU-C(x)

Inserts

Expression vector for use in yeast **two-hybrid (2-hybrid)** system.

Contains **GAL4BD** (DNA-binding domain: 162 aa) for N-terminal fusions.

Sequence of polylinker shown in lowercase corresponds to the two **re-PCR**-primers for recombinational cloning (**re-PCR-forward** on Watson strand and **re-PCR-reverse** on Krick strand)

For recombinational cloning vector should be linearized on ***Pvu II*** = CAGCTG and ***Nco I*** = CCATGG (these sites are underlined)

Reporter gene

Promoter,
splice,
PolyA

ADH (alcoholdehydrogenase) promoter and transcription termination elements

Comments

- yeast 2-hybrid bait vector.
- sequence available

Reference

see <http://depts.washington.edu/sfields/>

Construct number

1440

Date entered

26.6.01

Constructed by

Stan Fields lab

Date constructed

PLASMID NAME

pOAD

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

other relevant source constructs

pGAD-C(x)

Inserts

Expression vector for use in yeast **two-hybrid (2-hybrid)** system.

Contains **GAL4AD** (activation domain: 135 a.a.; first 22 a.a. not from GAL4) for N-terminal fusions.

Sequence of polylinker shown in lowercase corresponds to the two **re-PCR**-primers for recombinational cloning (**re-PCR-forward** on Watson strand and **re-PCR-reverse** on Krick strand)

Reporter gene For recombinational cloning vector should be linearized on **Pvu II** = CAGCTG and **Nco I** = CCATGG (these sites are underlined)

Promoter, splice, PolyA ADH (alcoholdehydrogenase) promoter and transcription termination elements

Comments - yeast 2-hybrid prey vector.
- sequence available

Reference see <http://depts.washington.edu/sfields/>

Construct number

1441

Date entered

27.6.01

Constructed by

Richard Morimoto's lab

Date constructed

PLASMID NAME

pcDNA/BAG-1

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA3

bacterial plasmid

other relevant source constructs

Inserts murine BAG-1 (219 AA version)

Reporter gene

Promoter, CMV
splice, T7
PolyA bGH polyA

Comments

Reference Nollen et al. (2000) MCB 20, 1083

Construct number

1443

Date entered

5.7.01

Constructed by

Clontech

Date constructed

PLASMID NAME

pEYFP-C1

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

bacterial plasmid

pUC

other relevant source constructs

Inserts

yellow fluorescent variant of enhanced GFP (YFP) (mutations S65G, V68L, S72A, T203Y, H231L); polylinker allows fusions to C-terminus of YFP.

Codon usage has been humanized.

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - Careful: this plasmid does *not* have the Amp resistance!!!
- sequence available

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.8.01

Constructed by Olivier Donzé

Date constructed 18/7/00

PLASMID NAME

CKF/Nter

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

CKF

bacterial plasmid

other relevant source constructs

CKF/ PKR

Inserts N-terminal region of human PKR (aa 1 to 243) coding for the dsRNA-binding region and lacking the kinase domain. A flag tag is fused at the N-terminus.

Reporter gene

Promoter, CMV
splice, SV40 polyA
PolyA

Comments

Reference O. Donzé, T. Abbas-Terki and D. Picard (2001). The Hsp90 chaperone complex is both a facilitator and a repressor of the dsRNA-dependent kinase PKR. EMBO J. **20**, 3771-3780.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.8.01

Constructed by Olivier Donzé

Date constructed 17/7/00

PLASMID NAME

CK/Nter

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

CK

bacterial plasmid

other relevant source constructs

CKF/PKR

Inserts N-terminal region of human PKR (aa 1 to 243) coding for the dsRNA-binding region and lacking the kinase domain.

Reporter gene

Promoter, CMV
splice, SV40 polyA
PolyA

Comments

Reference O. Donzé, T. Abbas-Terki and D. Picard (2001). The Hsp90 chaperone complex is both a facilitator and a repressor of the dsRNA-dependent kinase PKR. EMBO J. **20**, 3771-3780.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 10.8.01

Constructed by Fedor Forafonov

Date constructed 01/02/01

PLASMID NAME

pYFL-sba1 Δ 1-16

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES2

bacterial plasmid

other relevant source constructs

pYES2/flag

Inserts Yeast p23 (SBA1) with amino acids 1 to 16 deleted.
Flag fused to sba1 Δ 1-16 (BamHI site).

Reporter gene

Promoter,
splice,
PolyA Gal1

Comments sba1 Δ 1-16 cloned by PCR and checked by sequencing.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 10.8.01

Constructed by Fedor Forafonov

Date constructed 30/07/01

PLASMID NAME

pYFL-sba1 Δ 104-217

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES2

bacterial plasmid

other relevant source constructs

pYES2/flag

Inserts Yeast p23 (SBA1) with amino acids 104 to 217 deleted.
Flag fused to sba1 Δ 104-217 (BamHI site).

Reporter gene

Promoter,
splice,
PolyA Gal1

Comments sba1 Δ 104-217 cloned by PCR and checked by sequencing.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 10.8.01

Constructed by Fedor Forafonov

Date constructed 30/07/01

PLASMID NAME

pYFL-sba1 Δ 120-217

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES2

bacterial plasmid

other relevant source constructs

pYES2/flag

Inserts Yeast p23 (SBA1) with amino acids 120 to 217 deleted.
Flag fused to sba1 Δ 120-217 (BamHI site).

Reporter gene

Promoter, Gal1
splice,
PolyA

Comments sba1 Δ 120-217 cloned by PCR and checked by sequencing.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.8.01

Constructed by toufik

Date constructed 2001

PLASMID NAME

pRS313/pHO

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313 and pHO

bacterial plasmid

other relevant source constructs

Inserts Saccharomyces cerevisiae endonuclease HO (mating type switch)
under the control it's own promoter (turned off when cells are in the diploid form)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1452

Date entered

13.8.01

Constructed by

Pierre-André Briand

Date constructed

08/01

PLASMID NAME

yeast genomic library

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

Bluescript

other relevant source constructs

Inserts

library of *S. cerevisiae* genomic DNA, partially digested with Bsp143I (Sau3A), cloned into BamHI site of pRS313.

DNA is 6 - 20 kb large, from yeast strain DP180 (*ade2-1 Δade3::kanMX4 his3-11,15 leu2-3,112 trp1-1 ura3-1 Δcpr6::LEU2*), a W303 derivative.

Library size is about 18'000 clones.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference for vector: Sikorski and Hieter (1989) Genetics 122, 19-27.

DIDIER PICARD LAB, University of Geneva

Construct number

1453

Date entered

20.8.01

Constructed by

Pierre-André Briand

Date constructed

08/01

PLASMID NAME

pEYFP-p23

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEYFP-C1

bacterial plasmid

pUC

other relevant source constructs

pCMV-HAp23 as PCR template

Inserts EYFP fused to human p23.

EYFP is a yellow fluorescent variant of enhanced GFP (YFP) (mutations S65G, V68L, S72A, T203Y, H231L), with humanized codon.

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - Careful: this plasmid does *not* have the Amp resistance!!!
- sequence available
- human p23 ORF is between EcoRI and BamHI; obtained by PCR (sequence verified).
- deposited in Addgene with plasmid ID 108225

Reference Picard (2006) Exp. Cell Res. 312, 198

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 28.8.01

Constructed by from Harold A. Chapman

Date constructed

PLASMID NAME

pCEP4-caveolin-1

bacterial marker Amp

vertebrate marker Hygromycin

parent vector

pCEP4

bacterial plasmid

other relevant source constructs

Inserts WT caveolin-1

Reporter gene

Promoter, CMV
splice, SV poly A
PolyA

Comments

Reference lukashev et al., 1994. J.B.C. 269:18311-18314

DIDIER PICARD LAB, University of Geneva

Construct number

1455

Date entered

28.8.01

Constructed by

from Harold. A. Chapman

Date constructed

PLASMID NAME

pCEP4-AS-caveolin-1

bacterial marker Amp

vertebrate marker Hygromycin

parent vector

pCEP4

bacterial plasmid

other relevant source constructs

Inserts

caveolin-1 gene clone in an inverted order: antisens caveolin

Reporter gene

Promoter, CMV
splice, SV poly A
PolyA

Comments

Reference Ying Wei et al. , 1999

DIDIER PICARD LAB, University of Geneva

Construct number

1456

Date entered

28.8.01

Constructed by

from Harold. A. Chapman

Date constructed

PLASMID NAME

pML1-AS-caveolin-1

bacterial marker Amp

vertebrate marker Hygromycin

parent vector

pCEP4

bacterial plasmid

other relevant source constructs

Inserts caveolin-1 gene inserted in an inverted order : antisens caveolin.

Reporter gene

Promoter,
splice,
PolyA MMT1 promoter= metallothioneine promoter that is inducible by zinc or cadmium

Comments The CMV promoter of pCEP4 has been substituted by mmt1 promoter

Reference Ying Wei et al., 1999.

Construct number

1457

Date entered

31.8.01

Constructed by

Novagen (commercial)

Date constructed

PLASMID NAME

pET-32 Ek/LIC Vector

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter, T7 promoter, lac operator
splice,
PolyA

Comments This vector is prepared for rapid, directional cloning of PCR-amplified DNA for high level expression of polypeptides fused with the 109aa TRX-Tag thioredoxin protein. Fusion proteins also contain cleavable His-Tag and S-Tag sequences.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 5.9.01

Constructed by nathalie

Date constructed 5.09.01

PLASMID NAME

pSG5-myr

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

other relevant source constructs

Inserts insertion of a myristoylation signal sequence in the MCS of pSG5

Reporter gene

Promoter, SV40 early promoter
splice, T7 RNA polymerase promoter
PolyA rabbit B-globin IVS2
SV40 poly A site

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 5.9.01

Constructed by nathalie

Date constructed 5.9.01

PLASMID NAME

pSG5-myrG2A

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

other relevant source constructs

Inserts insertion of a myristoylation signal sequence in the MCS of pSG5 . The second amino acid is mutated so this sequence serves as a negative control of myristoylation

Reporter gene

Promoter, SV40 early promoter
splice, T7 RNA polymerase promoter
PolyA rabbit B-globin IVS2
SV40 poly A site

Comments

Reference

Construct number

1460

Date entered

10.9.01

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1461

Date entered

13.9.01

Constructed by

Pierre-André Briand

Date constructed

09/01

PLASMID NAME

pTrc/F.Sti1

bacterial marker Amp

parent vector

pTrcHisA

bacterial plasmid

other relevant source constructs

pYesF/Sti1

Inserts

His tag - Flag tag - full-length Sti1

Reporter gene

Promoter,
splice,
PolyA trc promoter, lac operator

Comments vector carries lacIq repressor

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1462

Date entered

13.9.01

Constructed by

Pierre-André Briand

Date constructed

09/01

PLASMID NAME

pTrc/F.Sti1TPR1

bacterial marker Amp

parent vector

pTrcHisA

bacterial plasmid

other relevant source constructs

pYesF/Sti1, pYesF/Sti1.TPR1

Inserts

His tag - Flag tag - TPR1 region of Sti1 (amino acids 1 - 200)

Reporter gene

Promoter,
splice,
PolyA trc promoter, lac operator

Comments vector carries lacIq repressor

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1463

Date entered

13.9.01

Constructed by

Pierre-André Briand

Date constructed

09/01

PLASMID NAME

pTrc/F.Sti1TPR2AB

bacterial marker Amp

parent vector

pTrcHisA

bacterial plasmid

other relevant source constructs

pYesF/Sti1.TPR2AB

Inserts

His tag - Flag tag - TPR2 A/B region of Sti1 (amino acids 201-589)

Reporter gene

Promoter,
splice,
PolyA trc promoter, lac operator

Comments vector carries lacIq repressor

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1464

Date entered

13.9.01

Constructed by

Pierre-André Briand

Date constructed

09/01

PLASMID NAME

pTrc/F

bacterial marker Amp

parent vector

pTrcHisA

bacterial plasmid

other relevant source constructs

pYes/flag

Inserts His tag - Flag tag

Reporter gene

Promoter,
splice,
PolyA trc promoter, lac operator

Comments - E. coli expression vector for expression of both His and Flag tagged proteins.
- vector carries lacIq repressor.
- sequence available

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.9.01

Constructed by Nathalie

Date constructed 14.09.01

PLASMID NAME

His-caveolin

bacterial marker Amp

parent vector

pTrcHisA

bacterial plasmid

other relevant source constructs

Inserts Nterminal of caveolin-1 is fused to a 6xHis tag.

Reporter gene

Promoter, trc promoter, lac operator
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.9.01

Constructed by Nathalie

Date constructed 18.09.01

PLASMID NAME

myr-ER α

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

other relevant source constructs

Inserts myristoylation signal fused to the Nterminus of the estrogen receptor alpha.

Reporter gene

Promoter, CMV
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.9.01

Constructed by nathalie

Date constructed 18.09.01

PLASMID NAME

myrG2A-ER α

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts myristoylation signal fused to the Nt terminus of the estrogen receptor alpha. This myristoylation signal is mutated at the second amino acid and should serve as a negative control

Reporter gene

Promoter, CMV
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1468

Date entered

22.10.01

Constructed by

Nathalie Bot

Date constructed

22.10.01

PLASMID NAME

EGFP-ERbeta

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon

parent vector

pEGFP-C1

bacterial plasmid

other relevant source constructs

Inserts

EGFP protein is fused to the Nterminus of full length human ER beta

Reporter gene

Promoter,
splice,
PolyA

Comments

this protein is transcriptionally inactive. Nevertheless, it localizes into the nucleus.
GFP fluorescence , in this case, is resistant to methanol fixation

Reference

Construct number

1469

Date entered

25.10.01

Constructed by

Roche

Date constructed

PLASMID NAME

pIVEX2.3

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts T7-promoter - RBS - AUG

Reporter gene

Promoter,
splice,
PolyA T7 promoter and terminator

Comments - for in vitro expression in E. coli system.
- C-terminal His tag.
- sequence available

Reference

Construct number

1470

Date entered

25.10.01

Constructed by

Roche

Date constructed

PLASMID NAME

pIVEX2.3-MCS

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts T7-promoter - RBS - AUG - polylinker - His tag

Reporter gene

Promoter,
splice,
PolyA T7 promoter and terminator

Comments - for in vitro expression in E. coli system.
- C-terminal His tag.
- sequence available

Reference

Construct number

1471

Date entered

25.10.01

Constructed by

Roche

Date constructed

PLASMID NAME

pIVEX2.4a

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

T7-promoter - RBS - AUG - His tag - Factor Xa - polylinker (reading frame 1)

Reporter gene

Promoter,
splice,
PolyA

T7 promoter and terminator

Comments

- for in vitro expression in E. coli system.
- N-terminal His tag.
- sequence available

Reference

Construct number

1472

Date entered

25.10.01

Constructed by

Roche

Date constructed

PLASMID NAME

pIVEX2.4b Nde

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

T7-promoter - RBS - AUG - His tag - Factor Xa - polylinker (reading frame 2)

Reporter gene

Promoter,
splice,
PolyA

T7 promoter and terminator

Comments

- for in vitro expression in E. coli system.
- N-terminal His tag.
- sequence available

Reference

Construct number

1473

Date entered

25.10.01

Constructed by

Roche

Date constructed

PLASMID NAME

pIVEX2.4c

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts T7-promoter - RBS - AUG - His tag - Factor Xa - polylinker (reading frame 3)

Reporter gene

Promoter, T7 promoter and terminator
splice,
PolyA

Comments - for in vitro expression in E. coli system.
- N-terminal His tag.
- sequence available

Reference

Construct number

1474

Date entered

12.11.01

Constructed by

Nicolas Foray

Date constructed

PLASMID NAME

pGST-SH3(Abl)

bacterial marker Amp

parent vector

pGEX-4T1 (Pharmacia)

bacterial plasmid

other relevant source constructs

pGST.Abl(15-607)

Inserts

GST fused to SH3 domain of murine c-Abl (AA 15-138)

Reporter gene

Promoter,
splice,
PolyA tac

Comments

- also contains lacIq
- BamHI-HincII fragment from pGST.Abl(15-607) in BamHI-SmaI

Reference

Foray et al. (2002) MCB 22, 4020.

Construct number

1475

Date entered

12.11.01

Constructed by

Bensaude via Nicolas Foray

Date constructed

PLASMID NAME

pGST-CTD

bacterial marker Amp

parent vector
pGEX-2T (Pharmacia)
bacterial plasmid

other relevant source constructs

Inserts GST fused to C-terminal repeat domain of Pol. II

Reporter gene

Promoter,
splice,
PolyA tac

Comments - also contains lacIq.
- contains 1.1 kb BamHI-EcoRI fragment, protein migrates at 90 kD.

Reference plasmid originally from Dr. Bensaude

Construct number

1476

Date entered

12.11.01

Constructed by

Nicolas Foray

Date constructed

PLASMID NAME

pGST-BRCT

bacterial marker Amp

parent vector

pGEX-4T1 (Pharmacia)

bacterial plasmid

other relevant source constructs

Inserts

GST fused to the C-terminal BRCT repeat domain of human BRCA1 (AA 1640 to 1863).

Reporter gene

Promoter,
splice,
PolyA

tac

Comments

- also contains lacIq.
- contains BamHI-EcoRI fragment; protein migrates at about 34 kD.

Reference

Foray et al. (2002) MCB 22, 4020.

Construct number

1477

Date entered

12.11.01

Constructed by

Nicolas Foray

Date constructed

PLASMID NAME

pGST-BRCA1#1

bacterial marker Amp

parent vector

pGEX-5X3 (Pharmacia)

bacterial plasmid

other relevant source constructs

Inserts

GST fused to portion of human BRCA1 (AA 1-324).

Reporter gene

Promoter,
splice,
PolyA

tac

Comments

- also contains lacIq.
- contains BamHI-EcoRI fragment; protein migrates at about 55 kD.

Reference

Foray et al. (2002) MCB 22, 4020.

Construct number

1478

Date entered

12.11.01

Constructed by

Nicolas Foray

Date constructed

PLASMID NAME

pGST-BRCA1#2

bacterial marker Amp

parent vector

pGEX-5X3 (Pharmacia)

bacterial plasmid

other relevant source constructs

Inserts

GST fused to portion of human BRCA1 (AA 260-553).

Reporter gene

Promoter,
splice,
PolyA

tac

Comments

- also contains lacIq.
- contains BamHI-EcoRI fragment; protein migrates at about 52 kD.

Reference

Foray et al. (2002) MCB 22, 4020.

Construct number

1479

Date entered

12.11.01

Constructed by

Nicolas Foray

Date constructed

PLASMID NAME

pGST-BRCA1#3

bacterial marker Amp

parent vector

pGEX-5X3 (Pharmacia)

bacterial plasmid

other relevant source constructs

Inserts

GST fused to portion of human BRCA1 (AA 502-802).

Reporter gene

Promoter,
splice,
PolyA

tac

Comments

- also contains lacIq.
- contains BamHI-EcoRI fragment; protein migrates at about 50 kD.

Reference

Foray et al. (2002) MCB 22, 4020.

Construct number

1480

Date entered

12.11.01

Constructed by

Nicolas Foray

Date constructed

PLASMID NAME

pGST-BRCA1#4

bacterial marker Amp

parent vector
pGEX-5X3 (Pharmacia)
bacterial plasmid

other relevant source constructs

Inserts GST fused to portion of human BRCA1 (AA 758-1064).

Reporter gene

Promoter, tac
splice,
PolyA

Comments - also contains lacIq.
- contains BamHI-EcoRI fragment; protein migrates at about 45 kD.

Reference Foray et al. (2002) MCB 22, 4020.

Construct number

1481

Date entered

12.11.01

Constructed by

Nicolas Foray

Date constructed

PLASMID NAME

pGST-BRCA1#5

bacterial marker Amp

parent vector

pGEX-5X3 (Pharmacia)

bacterial plasmid

other relevant source constructs

Inserts

GST fused to portion of human BRCA1 (AA 1005-1313).

Reporter gene

Promoter,
splice,
PolyA

tac

Comments

- also contains lacIq.
- contains BamHI-EcoRI fragment; protein migrates at about 60 kD.

Reference

Foray et al. (2002) MCB 22, 4020.

Construct number

1482

Date entered

12.11.01

Constructed by

Nicolas Foray

Date constructed

PLASMID NAME

pGST-BRCA1#6

bacterial marker Amp

parent vector

pGEX-5X3 (Pharmacia)

bacterial plasmid

other relevant source constructs

Inserts

GST fused to portion of human BRCA1 (AA 1314-1863).

Reporter gene

Promoter,
splice,
PolyA

tac

Comments

- also contains lacIq.
- contains BamHI-EcoRI fragment; protein migrates at about 88 kD.

Reference

Foray et al. (2002) MCB 22, 4020.

Construct number

1484

Date entered

13.11.01

Constructed by

M. Cobb's Lab

Date constructed

PLASMID NAME

ERK2-MEK1-LA

bacterial marker Amp

parent vector

mycCMV5

bacterial plasmid

other relevant source constructs

Inserts

human ERK2 fused to human MEK1 separated by a 10 amino acid alternating copolymer of glutamic acid and glycine. The proteins are also fused to the myc tag. Four leucines in MEK1 that are crucial for nuclear export are mutated (LA)

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments

Reference Robinson et al., Current Biology, 8: 1141 (1998)

Construct number

1485

Date entered

19.11.01

Constructed by

Morimoto's lab

Date constructed

PLASMID NAME

pGEX4T1/MEK

bacterial marker Amp

parent vector

pGex4T

bacterial plasmid

other relevant source constructs

Inserts

kinase defective GST-MEK construct (for Raf-1 *in vitro* kinase assay)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Song et al. (2001) Nat. Cell. Biol. 3, 276

Construct number

1486

Date entered

27.11.01

Constructed by

Invitrogen

Date constructed

PLASMID NAME

pcDNA3.1/HisB

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

bacterial plasmid

pUC

other relevant source constructs

Inserts AUG - 6xHis - Xpress Epitope - EK cleavage site - polylinker

Reporter gene

Promoter, - CMV promoter: bases 209-863
splice, - T7 promoter/priming site: bases 863-882
PolyA - BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments - Obtained from Dominic (Martinou lab)
- sequence available

Reference

Construct number

1487

Date entered

27.11.01

Constructed by

Hetti Poukka et al.

Date constructed

PLASMID NAME

Flag - SNURF wt

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pcDNA3.1(+)

bacterial plasmid

other relevant source constructs

Inserts

Flag epitope C-terminally fused with SNURF

Reporter gene

Promoter,
splice,
PolyA

Like for pcDNA3.1(+)

Comments

Obtained from Jorma J. Palvimo, Institute of Biomedicine, University of Helsinki

Reference

Hetti Poukka et al. (2000), JBC 275: 571

Construct number

1488

Date entered

27.11.01

Constructed by

Hetti Poukka et al.

Date constructed

PLASMID NAME

Flag - SNURF CS1

bacterial marker Amp

parent vector
pcDNA3.1(+)

bacterial plasmid

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts

Flag epitope C-terminally fused with the SNURF point mutant CS1 (where the first two cysteines 136 and 139 of the RING finger are substituted with serine)

Reporter gene

Promoter,
splice,
PolyA

Like for pcDNA3.1(+)

Comments

Obtained from Jorma J. Palvimo, Institute of Biomedicine, University of Helsinki

Reference

Hetti Poukka et al. (2000), JBC 275: 571

Construct number

1489

Date entered

27.11.01

Constructed by

Hetti Poukka et al.

Date constructed

PLASMID NAME

Flag - SNURF CS2

bacterial marker Amp

parent vector
pcDNA3.1(+)

bacterial plasmid

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts

Flag epitope C-terminally fused with the SNURF point mutant CS2 (where the last two cysteines 177 and 180 of the RING finger are substituted with serine)

Reporter gene

Promoter,
splice,
PolyA

Like for pcDNA3.1(+)

Comments

Obtained from Jorma J. Palvimo, Institute of Biomedicine, University of Helsinki

Reference

Hetti Poukka et al. (2000), JBC 275: 571

Construct number

1490

Date entered

27.11.01

Constructed by

Hetti Poukka et al.

Date constructed

PLASMID NAME

Flag - SNURF CS3

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pcDNA3.1(+)

bacterial plasmid

other relevant source constructs

Inserts

Flag epitope C-terminally fused with the SNURF point mutant CS3 (where the all four cysteines 136, 139, 177 and 180 of the RING finger are substituted with serine)

Reporter gene

Promoter,
splice,
PolyA

Like for pcDNA3.1(+)

Comments

Obtained from Jorma J. Palvimo, Institute of Biomedicine, University of Helsinki

Reference

Hetti Poukka et al. (2000), JBC 275: 571

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.12.01

Constructed by Nathalie Bot

Date constructed 3.12.01

PLASMID NAME

ERbeta-EGFP

bacterial marker Kan

parent vector
pEGFP-N1
bacterial plasmid

other relevant source constructs

Inserts EGFP is fused to the cterminus of the full length estrogen receptor beta

Reporter gene

Promoter, CMV
splice, SV40 poly A
PolyA

Comments In contrary to the fusion of EGFP to the Nterminus , this fusion allows transcriptional activity of the estrogen receptor beta

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.12.01

Constructed by Nathalie Bot

Date constructed 3.12.01

PLASMID NAME

ERbetaY488S-EGFP

bacterial marker Kan

parent vector

pEGFP-N1

bacterial plasmid

other relevant source constructs

Inserts EGFP is fused to the cterminal part of the estrogen receptor beta constitutive.

Reporter gene

Promoter, CMV
splice, SV40 poly A
PolyA

Comments transcriptionally active and localization in the nucleus

Reference

Construct number

1493

Date entered

6.12.01

Constructed by

Sanz et al.

Date constructed

PLASMID NAME

pcDNA3-HA

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pcDNA3 (Invitrogen)

bacterial plasmid

other relevant source constructs

Inserts

Primers HA1 and HA2 were annealed and ligated into pcDNA3 (Invitrogen) digested with HindIII and EcoRI.

Primer HA1: 5'-

AGCTTGCCGCCACCATGTATGATGTTCTGATTATGCTAGCCTCCCG

GGG-3'

Primer HA2:

5'-

ATTCCCCGGGAGGCTAGCATAATCAGGAACATCATACATGGTGGCG

GCA-3'

Reporter gene

Promoter,

splice,

PolyA

- CMV promoter

- T7 promoter/priming site

- BGH poly A sequence

- f1 origin

- Sp6 promoter

- SV40 early promoter and origin

- SV40 early poly A signal

Comments

Reference

Sanz et al. (1995), MCB 15: 3164

Construct number

1494

Date entered

6.12.01

Constructed by

Rekdal et al.

Date constructed

PLASMID NAME

pcDNA3-HA- hSPBP

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA3-HA

bacterial plasmid

other relevant source constructs

Inserts hSPBP cDNA (shorter version, transcript NM_181492) inserted in frame into the end-filled XhoI site of pcDNA3-HA

Reporter gene

Promoter,
splice,
PolyA

- CMV promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- Sp6 promoter
- SV40 early promoter and origin
- SV40 early poly A signal

Comments pcDNA3-HA-SPBP is constructed for expression of the entire coding region of the SPBP cDNA (NM_181492) in mammalian cells

Reference Rekdal et al. (2000), JBC 275: 40288

Construct number

1495

Date entered

6.12.01

Constructed by

Lyngso et al.

Date constructed

PLASMID NAME

pBN - SPBP

bacterial marker Amp

parent vector

pBNSEN

bacterial plasmid

other relevant source constructs

Inserts

The full-length murine SPBP cDNA (1965 aa)

Reporter gene

Promoter,
splice,
PolyA

Comments

For expression of murine SPBP in mammalian cells

Reference

Lyngso et al. (2000), JBC 275: 26144

DIDIER PICARD LAB, University of Geneva

Construct number

1496

Date entered

10.1.02

Constructed by

Jackie Soderling

Date constructed

2001

PLASMID NAME

EGFP-AKAP-Lbc

bacterial marker Kan

parent vector
pEGFP-N1 (Clontech)

bacterial plasmid

other relevant source constructs

Inserts full length AKAP-Lbc fused to GFP at the N terminus

- construct size: 13177 bp
- insert size: 8471 bp
- cloned into 5'KpnI and 3'AgeI restriction sites

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Diviani et al, JBC (2001) Nov 23: 276(47): 44247-57

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 12.2.02

Constructed by Peter Dudek

Date constructed 30.01.02

PLASMID NAME

pSG5-hERY537F

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

other relevant source constructs

HEG0

Inserts full length human ER alpha with tyrosine 537 mutated to phenylalanine.
Inserted into EcoRI site.

Reporter gene

Promoter, SV40 early promoter
splice, T7 promoter
PolyA SV40 polyA

Comments this is the human equivalent of the mouse mutant Y541F

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.2.02

Constructed by Valentina Gburcik

Date constructed 01.09.01

PLASMID NAME

pC7 - HA- SPBP (1459-1615aa)

bacterial marker Amp

parent vector

pC7

bacterial plasmid

other relevant source constructs

Inserts HA tagged part of SPBP (1459-1615aa) which is obtained as a result of the screening of T7 phage cDNA library.
HA tag: MQDLPGNDNSTAG

Reporter gene

Promoter, - CMV1 enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - SV40 splice and polyA.

Comments Insert from the clone obtained by the screening of Phage Display library

Reference Gburcik et al. (2005), MCB 25: 3421

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.2.02

Constructed by Valentina Gburcik

Date constructed 15.11.01

PLASMID NAME

pET-32 / SPBP(1459-1615aa)

bacterial marker Amp

parent vector
pET-32 Ek/LIC
bacterial plasmid

other relevant source constructs

Inserts Part of SPBP (1459-1615aa) which is obtained as a result of the screening of T7 phage cDNA library.

Reporter gene

Promoter,
splice,
PolyA T7 promoter, lac operator

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.2.02

Constructed by Valentina Gburcik

Date constructed 20.09.01

PLASMID NAME

pET-32/ AF1(1-180)

bacterial marker Amp

parent vector
pET-32 Ek/LIC
bacterial plasmid

other relevant source constructs

Inserts AF1 (1-180) region of the human estrogen receptor alpha

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Gburcik et al. (2005), MCB 25: 3421

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.2.02

Constructed by Valentina Gburcik

Date constructed 20.09.01

PLASMID NAME

pET-32/ AF1(3xE)(1-180)

bacterial marker Amp

parent vector
pET-32 Ek/LIC
bacterial plasmid

other relevant source constructs

Inserts AF1 (1-180) region of the human estrogen receptor alpha mutant (serines 104, 106 and 118 mutated to glutamic acid)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Gburcik et al. (2005), MCB 25: 3421

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.2.02

Constructed by Valentina Gburcik

Date constructed 25.01.02

PLASMID NAME

pGEX2T-AF1(1-180)-His

bacterial marker Amp

parent vector
pGEX2T-AF1(1-180)
bacterial plasmid

other relevant source constructs

Inserts AF1 (1-180) region of the human estrogen receptor alpha fused N-terminally to GST and C-terminally to His-tag

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.2.02

Constructed by Valentina Gburcik

Date constructed 25.01.02

PLASMID NAME

pGEX2T-AF1(3xE)(1-180)-His

bacterial marker Amp

parent vector
pGEX2T-AF1(3xE)(1-180)
bacterial plasmid

other relevant source constructs

Inserts AF1 (1-180) region of the human estrogen receptor a mutant (serines 104, 106 and 118 mutated to glutamic acid) fused N-terminally to GST and C-terminally to His-tag.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.4.02

Constructed by Alena Suslova

Date constructed 2002

PLASMID NAME

pGBDU-C2/HSP104

bacterial marker Amp	parent vector pGBDU-C2
yeast marker URA3	bacterial plasmid
eucaryotic replicon 2μ circle	other relevant source constructs pYesF/Hsp104 (number - 1402) pGBDU-C2 (number 1505)

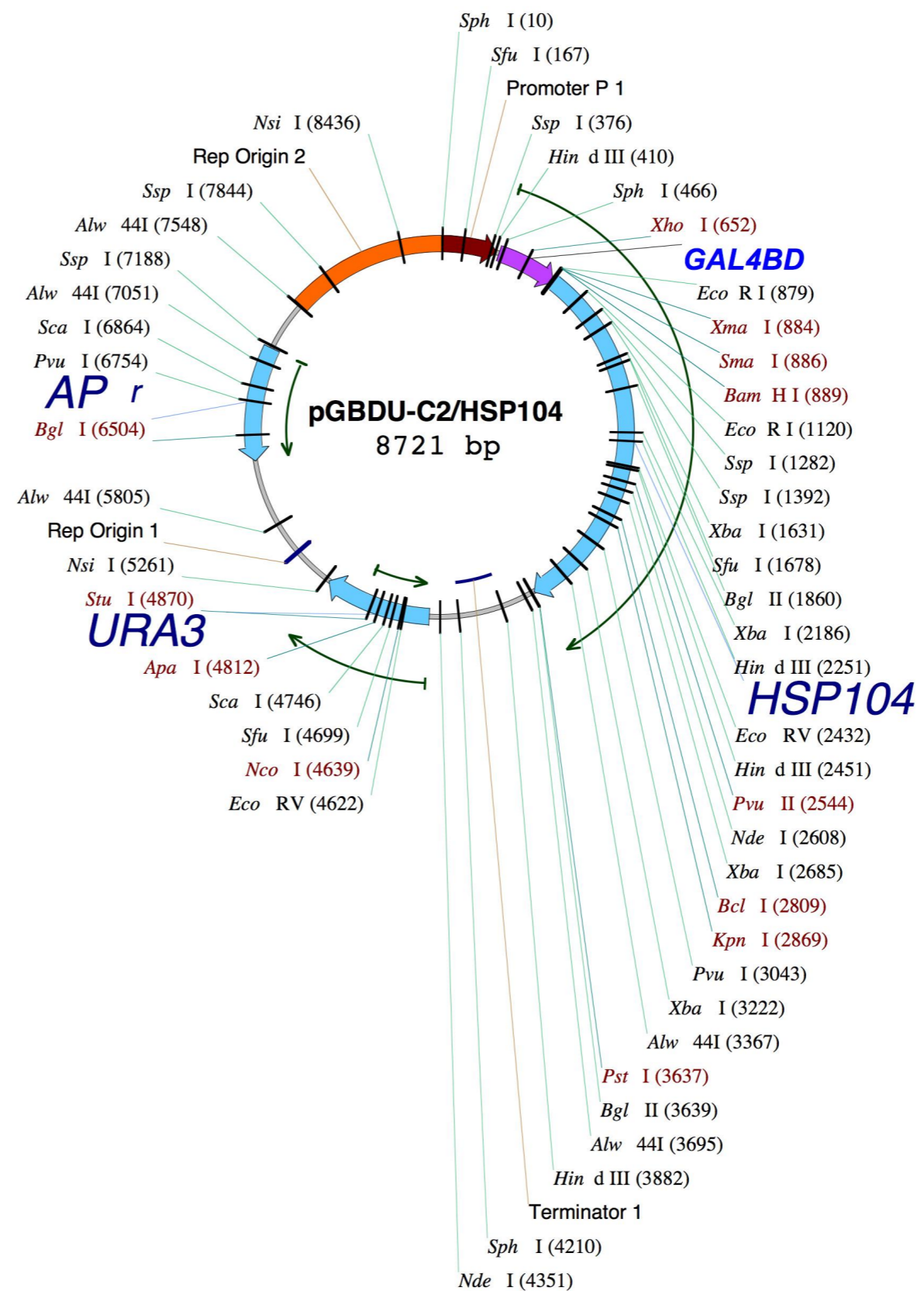
Inserts **Hsp104p** fused N'terminally with **Gal4BD** (DNA-binding domain)
for use in yeast two-hybrid (2-hybrid) analysis

Reporter gene

Promoter, splice, PolyA ADH (alcoholdehydrogenase)

Comments BamHI + XhoI fragment, containing *HSP104* was cut from the pYesF/Hsp104 (number - 1402) and then was ligated into BamHI+Sall linearized pGBDU-C2
Contain Gal4BD for yeast two-hybrid (2-hybrid)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.4.02

Constructed by Alena Suslova

Date constructed 2002

PLASMID NAME

pGBDU-C2/HSP104ΔN

bacterial marker Amp	parent vector pGBDU-C2
yeast marker URA3	bacterial plasmid
eucaryotic replicon 2μ circle	other relevant source constructs pGBDU-C2/HSP104 (number 1510)

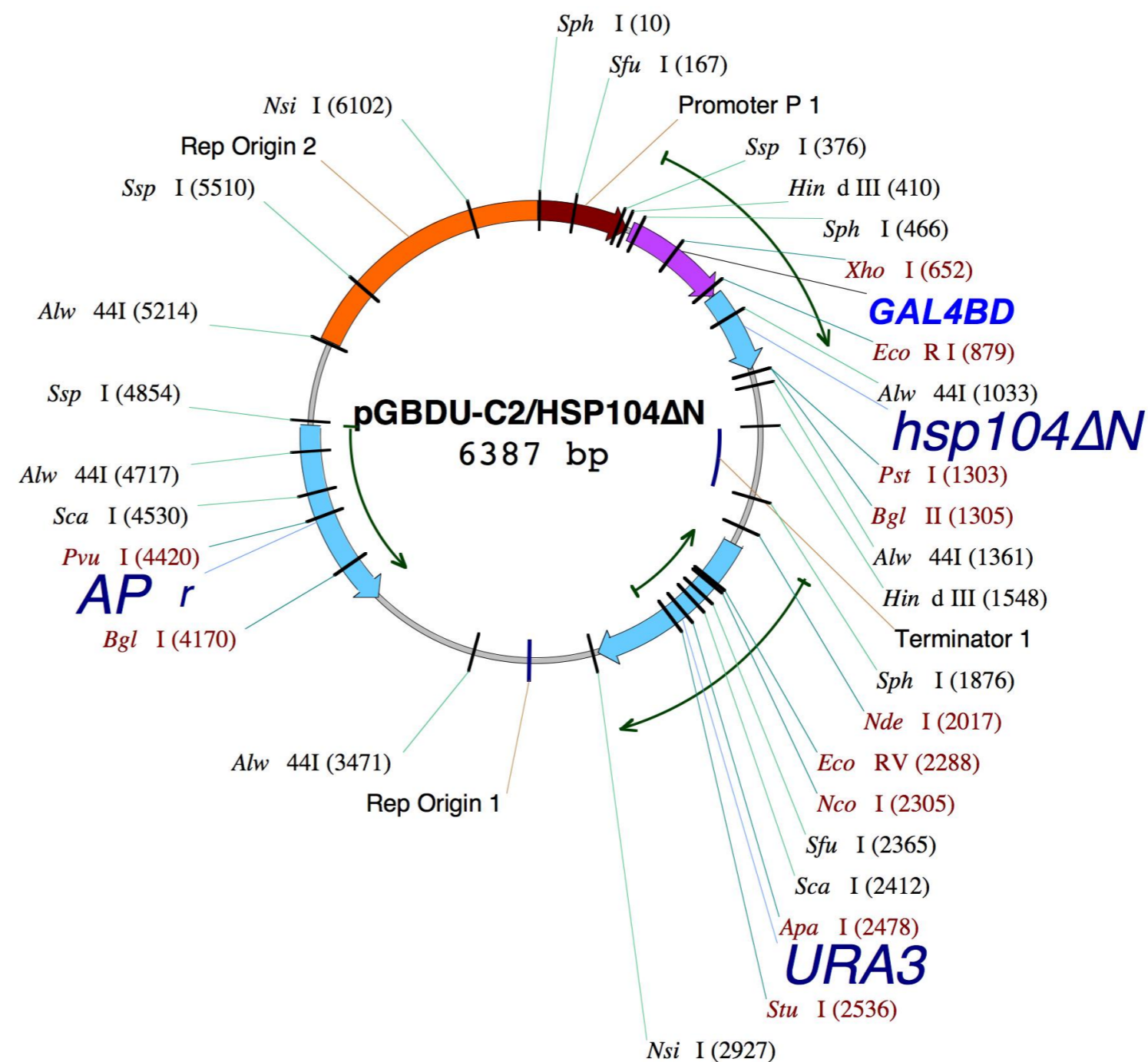
Inserts 125aa of C-terminus of Hsp104p (**hsp104ΔN**) fused N'terminally **Gal4BD** (DNA-binding domain)
for use in yeast two-hybrid (2-hybrid) analysis

Reporter gene

Promoter, splice, PolyA ADH (alcoholdehydrogenase)

Comments Fragment, containing N'terminal part of Hsp104p codin region was released (deleted) by cutting pGBDU-C2/HSP104 on XbaI+XmaI sites. Resulted fragment, containing hsp104ΔN was filled by Klenow and self-ligated.
Contain Gal4BD for yeast two-hybrid (2-hybrid)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.4.02

Constructed by Alena Suslova

Date constructed 2002

PLASMID NAME

pGBDU-C2/STI1

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pGBDU-C2

bacterial plasmid

other relevant source constructs

pYesF/Sti1 (number 1401)
pGBDU-C2 (number 1505)

Inserts **Sti1p** fused N'terminally with **Gal4BD** (DNA-binding domain)

for use in yeast two-hybrid (2-hybrid) analysis

Reporter gene

Promoter,
splice,
PolyA ADH (alcoholdehydrogenase)

Comments BamHI + XhoI fragment, containing *STI1* was cut from the pYesF/Sti1 (number 1401) and then was ligated into BamHI+Sall linearized pGBDU-C2
Contain Gal4BD for yeast two-hybrid (2-hybrid)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 1513

Date entered 8.4.02

Constructed by Alena Suslova

Date constructed 2002

PLASMID NAME

pGBDU-C2/STI1-TPR1

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pGBDU-C2

bacterial plasmid

other relevant source constructs

pYesF/Sti1.TPR1 (number 1399)
pGBDU-C2 (number 1505)

Inserts **TPR1** domain of **Sti1p** fused N'terminally with **Gal4BD** (DNA-binding domain)

for use in yeast two-hybrid (2-hybrid) analysis

Reporter gene

Promoter, ADH (alcoholdehydrogenase)
splice,
PolyA

Comments BamHI + XhoI fragment, containing TPR1 domain of Sti1p was cut from the pYesF/Sti1.TPR1 (number 1399) and then was ligated into BamHI+Sall linearized pGBDU-C2
Contain Gal4BD for yeast two-hybrid (2-hybrid)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.4.02

Constructed by Alena Suslova

Date constructed 2002

PLASMID NAME

pGAD-C2/HSP104

bacterial marker Amp

parent vector

pGAD-C2

bacterial plasmid

yeast marker LEU2

other relevant source constructs

pYesF/Hsp104 (number - 1402)
pGAD-C2 (number 1508)

eucaryotic replicon 2 μ circle

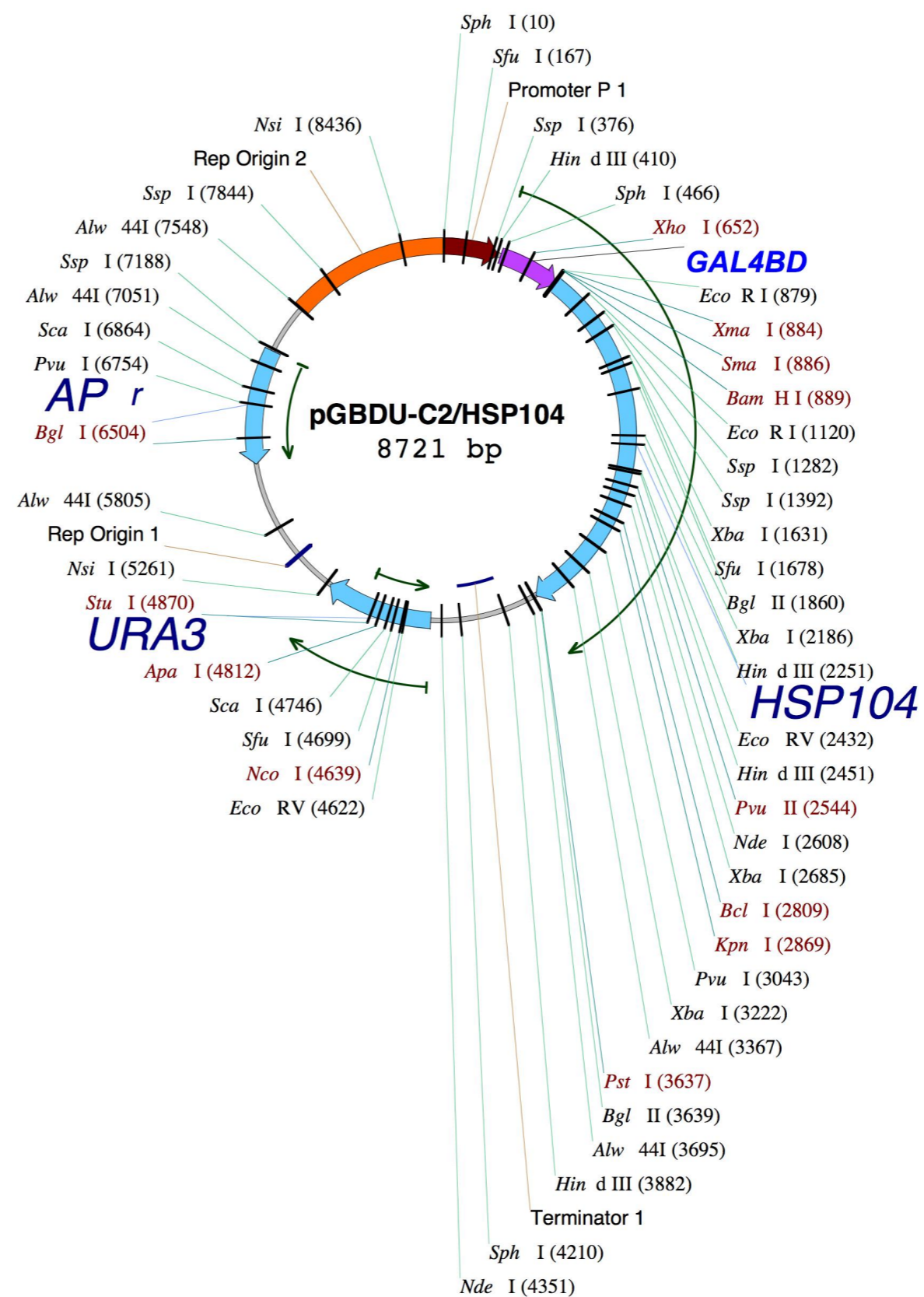
Inserts **Hsp104p** fused N'terminally with **Gal4AD** (activation domain)
for use in yeast two-hybrid (2-hybrid) analysis

Reporter gene

Promoter, splice, PolyA ADH (alcoholdehydrogenase)

Comments BamHI + XhoI fragment, containing *HSP104* was cut from the pYesF/Hsp104 (number - 1402) and then was ligated into BamHI+Sall linearized pGAD-C2
Contain Gal4AD for yeast two-hybrid (2-hybrid)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 1515

Date entered 8.4.02

Constructed by Alena Suslova

Date constructed 2002

PLASMID NAME

pGAD-C2/HSP104ΔN

bacterial marker Amp

parent vector

pGAD-C2

bacterial plasmid

yeast marker LEU2

other relevant source constructs

pGAD-C2/HSP104 (number 1514)

eucaryotic replicon 2μ circle

Inserts 125aa of C-terminus of Hsp104p (**hsp104ΔN**) fused N'terminally **Gal4AD** (activation domain)

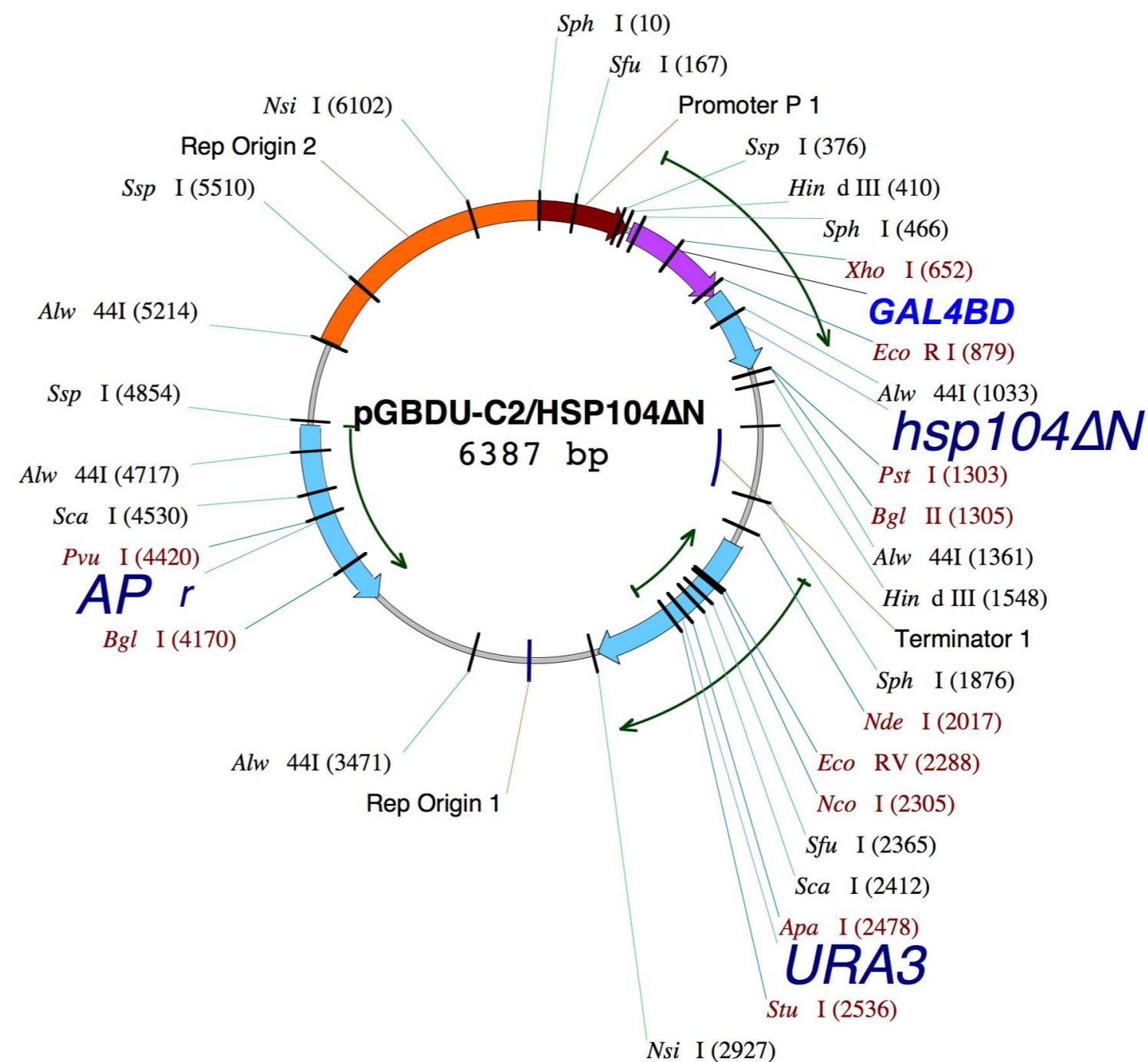
for use in yeast two-hybrid (2-hybrid) analysis

Reporter gene

Promoter, splice, PolyA ADH (alcoholdehydrogenase)

Comments Fragment, containing N'terminal part of Hsp104 coding region was released (deleted) by cutting pGAD-C2/HSP104 (number 1514) on XbaI+XmaI sites. Resulted fragment, containing hsp104ΔN was filled by Klenow and self-ligated. Contain GAL4AD for yeast two-hybrid (2-hybrid)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.4.02

Constructed by Alena Suslova

Date constructed 2002

PLASMID NAME

pGAD-C2/STI1

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pGAD-C2

bacterial plasmid

other relevant source constructs

pYesF/Sti1 (number 1401)
pGAD-C2 (number 1508)

Inserts **Sti1p** fused N'terminally with **Gal4AD** (activation domain)
for use in yeast two-hybrid (2-hybrid) analysis

Reporter gene

Promoter, ADH (alcoholdehydrogenase)
splice,
PolyA

Comments BamHI + XhoI fragment, containing *STI1* was cut from the pYesF/Sti1 (number 1401) and then was ligated into BamHI+Sall linearized pGAD-C2
Contain Gal4AD for yeast two-hybrid (2-hybrid)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.4.02

Constructed by Alena Suslova

Date constructed 2002

PLASMID NAME

pGAD-C2/STI1-TPR1

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pGAD-C2

bacterial plasmid

other relevant source constructs

pYesF/Sti1.TPR1 (number 1399)
pGAD-C2 (number 1508)

Inserts

TPR1 domain of **Sti1p** fused N'terminally with **Gal4AD**
(activation domain)

for use in yeast two-hybrid (2-hybrid) analysis

Reporter gene

Promoter, ADH (alcoholdehydrogenase)
splice,
PolyA

Comments BamHI + XhoI fragment, containing TPR1 domain of Sti1p was cut from the pYesF/Sti1.TPR1 (number 1399) and then was ligated into BamHI+Sall linearized pGAD-C2
Contain Gal4AD for yeast two-hybrid (2-hybrid)

Reference

Construct number
 Constructed by James P et al

Date entered 8.4.02
 Date constructed 1996

PLASMID NAME

pGBDU-C1

<u>bacterial marker</u> Amp	<u>parent vector</u> pGBT9
<u>yeast marker</u> URA3	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> 2 μ circle	<u>other relevant source constructs</u> pOBD2

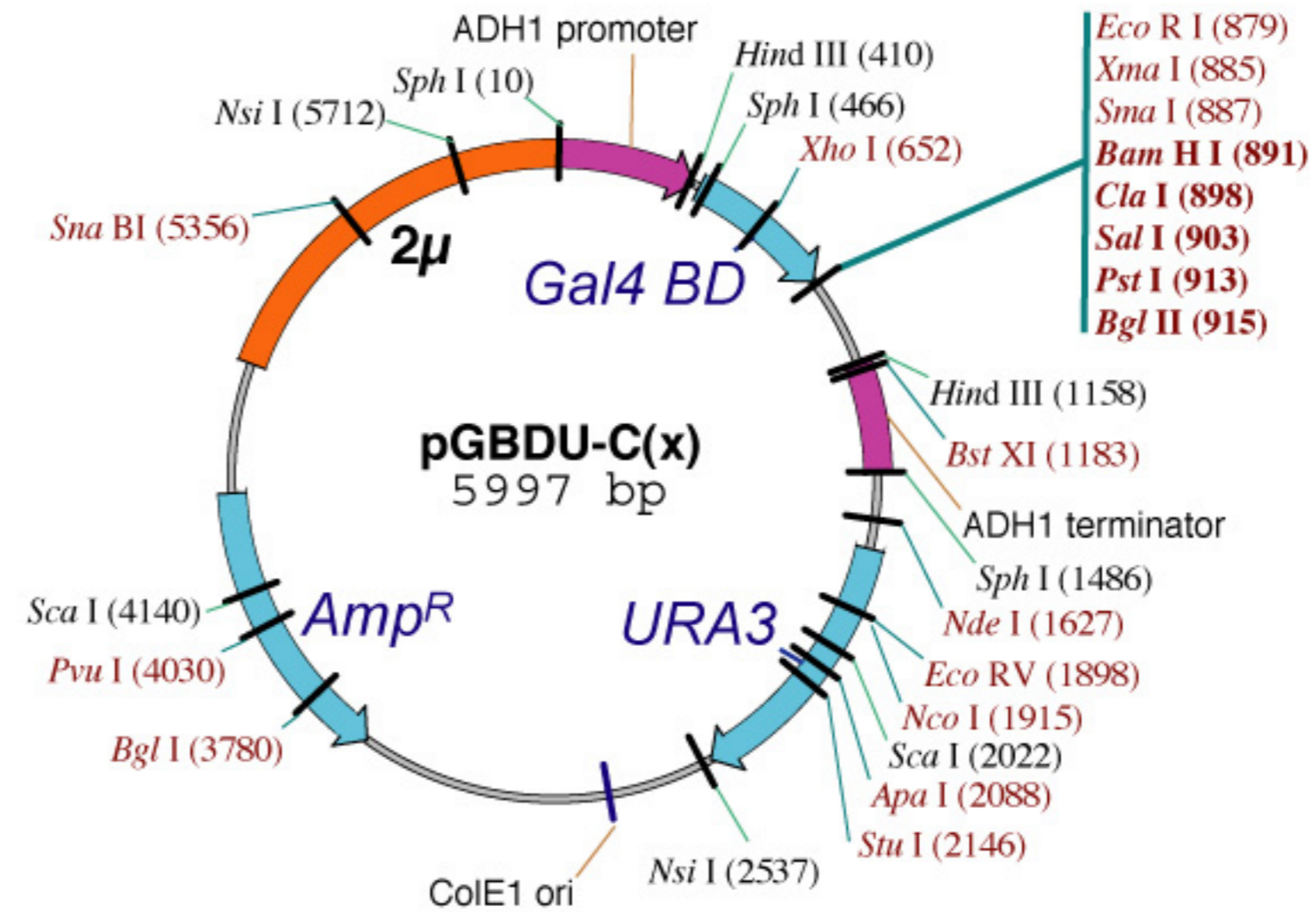
Inserts Expression vector for use in yeast **two-hybrid (2-hybrid)** system. Contains **GAL4BD** (DNA-binding domain: aminoacids 1-147) for N-terminal fusions. Polylinker after **GAL4BD** contains sites : **Eco RI** (in the same frame in C1,C2,C3) **Sma I** (in the same frame in C2 & C3) **Bam HI**, **Sal I**, **Pst I**, **Bgl II** (in 3 different frames in C1,C2 & C3 - see map)

Reporter gene

Promoter, splice, PolyA ADH (alcoholdehydrogenase) promoter and transcription termination elements

Comments - yeast 2-hybrid bait vector
 - map & sequence available
 - GenBank accession number: **U70021**

Reference James P, Halladay J, Craig EA. (1996) **Genomic libraries and a host strain designed for highly efficient two-hybrid selection in yeast.** *Genetics* 1996 Dec;144(4):1425-36



	<i>Eco RI</i>	<i>Sma I</i>	<i>Bam HI</i>	<i>Cla I</i>	<i>Sal I</i>	<i>Pst I</i>	<i>Bgl II</i>
pGBDU-C3	ACT GTA TCG CCG <u>GAA TTC CCG GGG ATC CAT CGA TGT CGA CCT GCA GAG ATC TAT</u> GAA TCG TAG ATA CTG AAA						
pGBDU-C2	ACT GTA TCG CCG <u>GAA TTC CCG GGG GAT CCA TCG ATG TCG ACC TGC AGA GAT CTA</u> TGA ATC GTA GAT ACT GAA						
pGBDU-C1	ACT GTA TCG CCG <u>GAA TTC CCC GGG GGA TCC ATC GAT GTC GAC CTG CAG AGA TCT</u> ATG AAT CGT AGA TAC TGA						

Construct number
 Constructed by James P et al

Date entered 8.4.02
 Date constructed 1996

PLASMID NAME

pGBDU-C2

<u>bacterial marker</u> Amp	<u>parent vector</u> pGBT9
<u>yeast marker</u> URA3	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> 2 μ circle	<u>other relevant source constructs</u> pOBD2

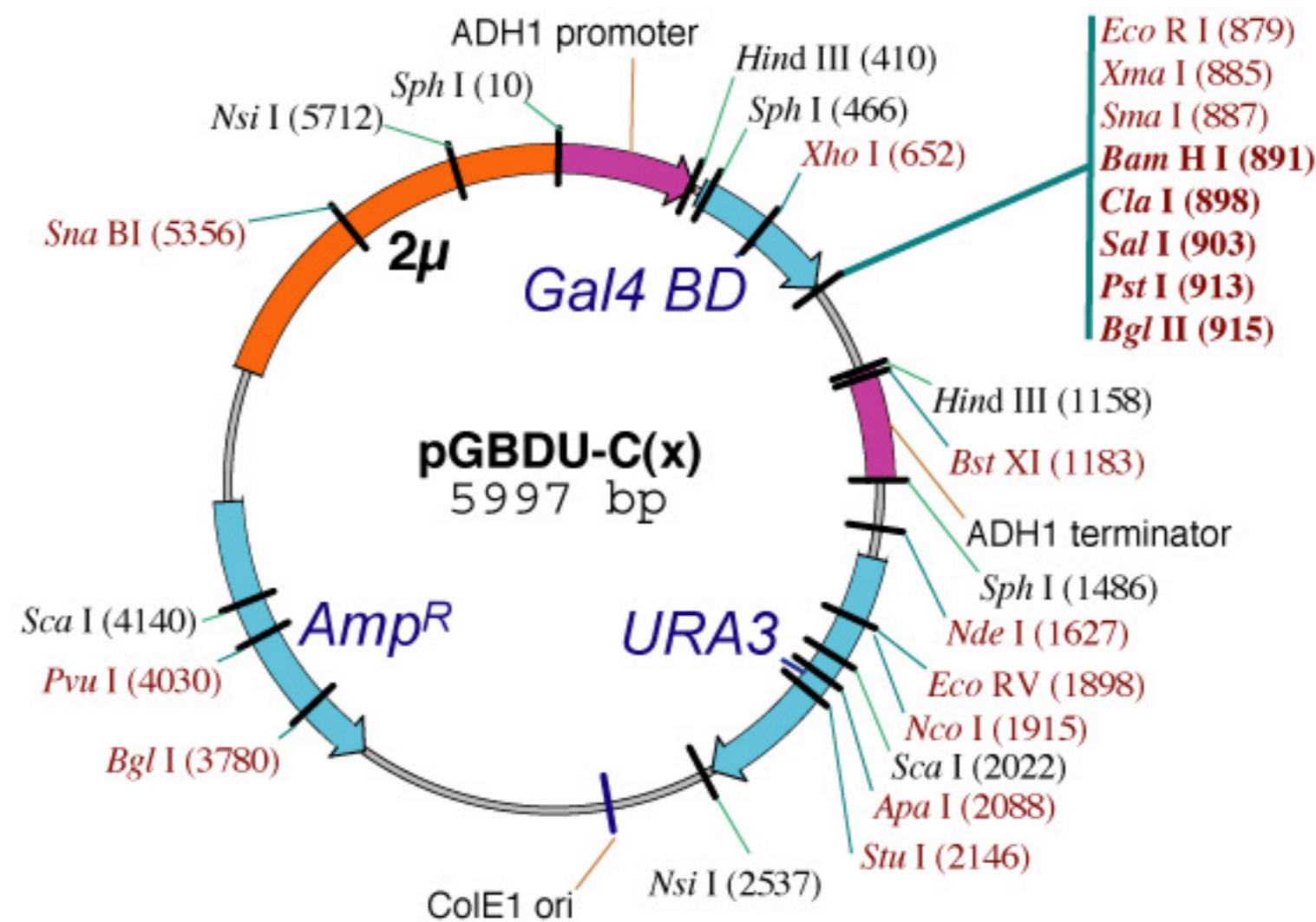
Inserts Expression vector for use in yeast **two-hybrid (2-hybrid)** system. Contains **GAL4BD** (DNA-binding domain: aminoacids 1-147) for N-terminal fusions. Polylinker after **GAL4BD** contains sites : **Eco RI** (in the same frame in C1,C2,C3) **Sma I** (in the same frame in C2 & C3) **Bam HI**, **Sal I**, **Pst I**, **Bgl II** (in 3 different frames in C1,C2 & C3 - see map)

Reporter gene

Promoter, splice, PolyA ADH (alcoholdehydrogenase) promoter and transcription termination elements

Comments - yeast 2-hybrid bait vector
 - map & sequence available
 - GenBank accession number: **U70022**

Reference James P, Halladay J, Craig EA. (1996) **Genomic libraries and a host strain designed for highly efficient two-hybrid selection in yeast.** *Genetics* 1996 Dec;144(4):1425-36



	<i>Eco RI</i>	<i>Sma I</i>	<i>Bam HI</i>	<i>Cla I</i>	<i>Sal I</i>	<i>Pst I</i>	<i>Bgl II</i>
pGBDU-C3	ACT GTA TCG CCG <u>GAA TTC CCG GGG ATC CAT CGA TGT CGA CCT GCA GAG ATC TAT</u> GAA TCG TAG ATA CTG AAA						
pGBDU-C2	ACT GTA TCG CCG <u>GAA TTC CCG GGG GAT CCA TCG ATG TCG ACC TGC AGA GAT CTA</u> TGA ATC GTA GAT ACT GAA						
pGBDU-C1	ACT GTA TCG CCG <u>GAA TTC CCC GGG GGA TCC ATC GAT GTC GAC CTG CAG AGA TCT</u> ATG AAT CGT AGA TAC TGA						

Construct number
 Constructed by James P et al

Date entered 8.4.02
 Date constructed 1996

PLASMID NAME

pGBDU-C3

bacterial marker Amp	parent vector pGBT9
yeast marker URA3	bacterial plasmid
eucaryotic replicon 2 μ circle	other relevant source constructs pOBD2

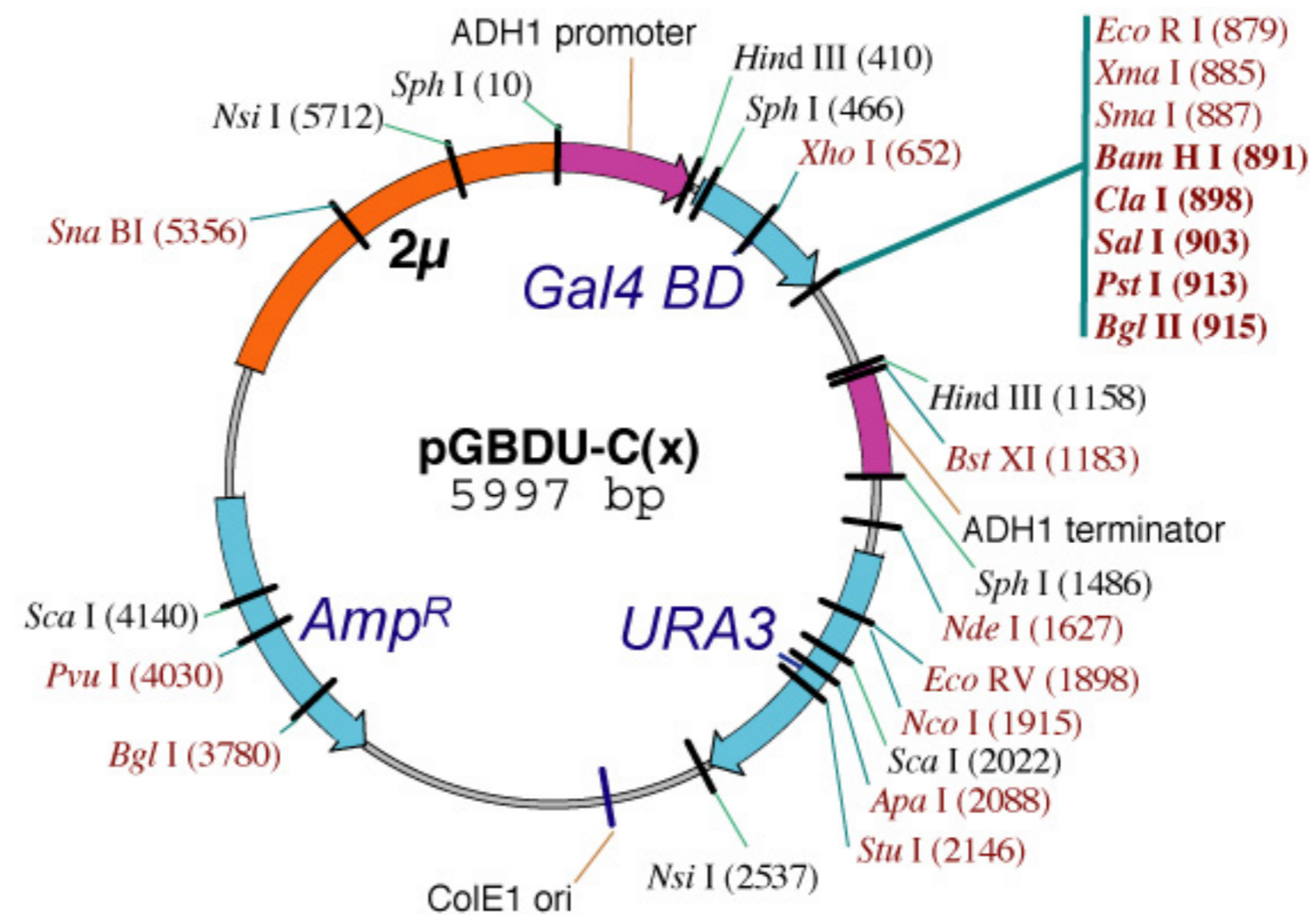
Inserts Expression vector for use in yeast **two-hybrid (2-hybrid)** system. Contains **GAL4BD** (DNA-binding domain: aminoacids 1-147) for N-terminal fusions. Polylinker after **GAL4BD** contains sites : **Eco RI** (in the same frame in C1,C2,C3) **Sma I** (in the same frame in C2 & C3) **Bam HI**, **Sal I**, **Pst I**, **Bgl II** (in 3 different frames in C1,C2 & C3 - see map)

Reporter gene

Promoter, splice, PolyA ADH (alcoholdehydrogenase) promoter and transcription termination elements

Comments - yeast 2-hybrid bait vector
 - map & sequence available
 - GenBank accession number: **U70023**

Reference James P, Halladay J, Craig EA. (1996) **Genomic libraries and a host strain designed for highly efficient two-hybrid selection in yeast.** *Genetics* 1996 Dec;144(4):1425-36



	<i>Eco RI</i>	<i>Sma I</i>	<i>Bam HI</i>	<i>Cla I</i>	<i>Sal I</i>	<i>Pst I</i>	<i>Bgl II</i>
pGBDU-C3	ACT GTA TCG CCG <u>GAA TTC CCG GGG ATC CAT CGA TGT CGA CCT GCA GAG ATC TAT</u> GAA TCG TAG ATA CTG AAA						
pGBDU-C2	ACT GTA TCG CCG <u>GAA TTC CCG GGG GAT CCA TCG ATG TCG ACC TGC AGA GAT CTA</u> TGA ATC GTA GAT ACT GAA						
pGBDU-C1	ACT GTA TCG CCG <u>GAA TTC CCC GGG GGA TCC ATC GAT GTC GAC CTG CAG AGA TCT</u> ATG AAT CGT AGA TAC TGA						

Construct number 1507

Date entered 8.4.02

Constructed by James P et al

Date constructed 1996

PLASMID NAME

pGAD-C1

<u>bacterial marker</u> Amp	<u>parent vector</u> pGAD424
<u>yeast marker</u> LEU2	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> 2μ circle	<u>other relevant source constructs</u> pOAD

Inserts Expression vector for use in yeast **two-hybrid (2-hybrid)** system. Contains **GAL4AD** (activation domain: aminoacids 768-881) for N-terminal fusions. Polylinker after **GAL4AD** contains sites : **Eco RI** (in the same frame in C1,C2,C3) **Sma I** (in the same frame in C2 & C3) **Bam HI**, **Sal I**, **Pst I**, **Bgl II** (in 3 different frames in C1,C2 & C3 - see map)

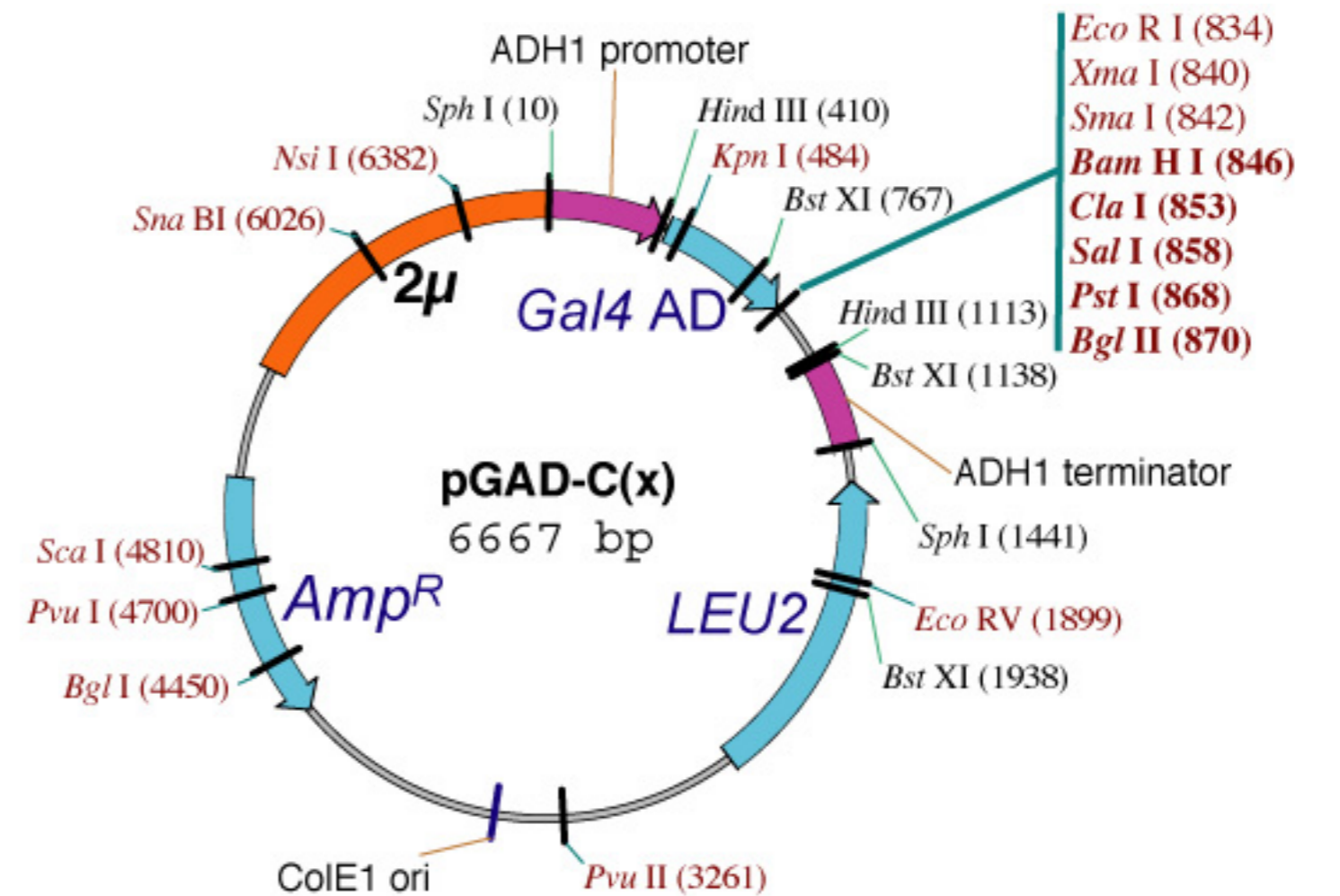
Reporter gene

Promoter, splice, PolyA ADH (alcoholdehydrogenase) promoter and transcription termination elements

Comments

- yeast 2-hybrid prey vector
- map & sequence available
- GenBank accession number: **U70024**

Reference James P, Halladay J, Craig EA. (1996) **Genomic libraries and a host strain designed for highly efficient two-hybrid selection in yeast.** *Genetics* 1996 Dec;144(4):1425-36



	<i>Eco RI</i>	<i>Sma I</i>	<i>Bam HI</i>	<i>Cla I</i>	<i>Sal I</i>	<i>Pst I</i>	<i>Bgl II</i>
pGAD-C3	AAA AAA GAG ATC <u>GAA TTC CCG GGG ATC CAT CGA TGT CGA CCT GCA GAG ATC TAT GAA TCG TAG</u> ATA CTG AAA						
pGAD-C2	AAA AAA GAG ATC <u>GAA TTC CCG GGG GAT CCA TCG ATG TCG ACC TGC AGA GAT CTA TGA</u> ATC GTA GAT ACT GAA						
pGAD-C1	AAA AAA GAG ATC <u>GAA TTC CCC GGG GGA TCC ATC GAT GTC GAC CTG CAG AGA TCT</u> ATG AAT CGT AGA TAC TGA						

Construct number
 Constructed by James P et al

Date entered 8.4.02
 Date constructed 1996

PLASMID NAME

pGAD-C2

<u>bacterial marker</u> Amp	<u>parent vector</u> pGAD424
<u>yeast marker</u> LEU2	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> 2μ circle	<u>other relevant source constructs</u> pOAD

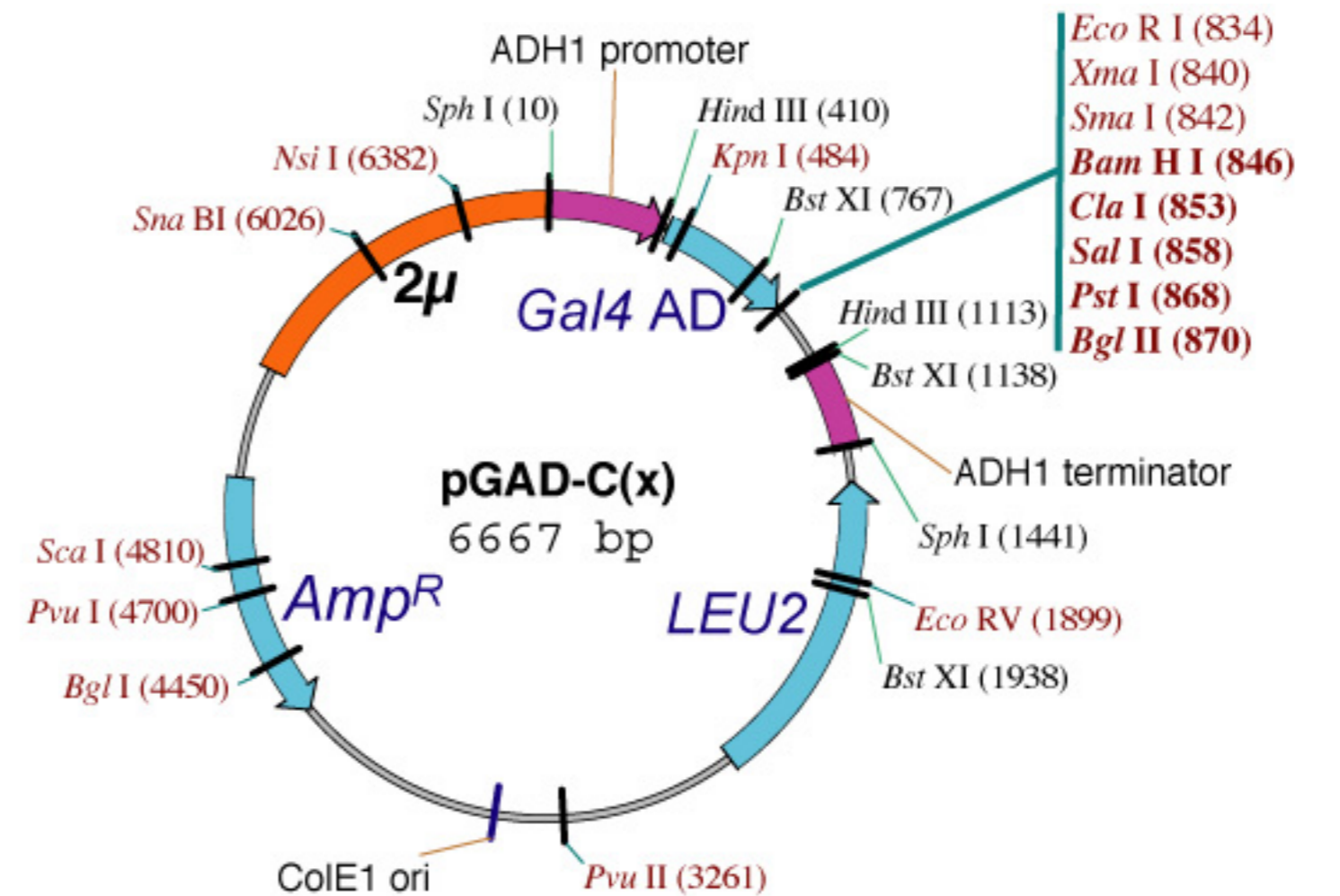
Inserts Expression vector for use in yeast **two-hybrid (2-hybrid)** system.
 Contains **GAL4AD** (activation domain: aminoacids 768-881) for N-terminal fusions.
 Polylinker after **GAL4AD** contains sites :
Eco RI (in the same frame in C1,C2,C3) **Sma I** (in the same frame in C2 & C3)
Bam HI, **Sal I**, **Pst I**, **Bgl II** (in 3 different frames in C1,C2 & C3 - see map)

Reporter gene

Promoter, splice, PolyA ADH (alcoholdehydrogenase) promoter and transcription termination elements

Comments - yeast 2-hybrid prey vector
 - map & sequence available
 - GenBank accession number: **U70025**

Reference James P, Halladay J, Craig EA. (1996)
Genomic libraries and a host strain designed for highly efficient two-hybrid selection in yeast.
Genetics 1996 Dec;144(4):1425-36



	<i>Eco RI</i>	<i>Sma I</i>	<i>Bam HI</i>	<i>Cla I</i>	<i>Sal I</i>	<i>Pst I</i>	<i>Bgl II</i>
pGAD-C3	AAA AAA GAG ATC <u>GAA TTC CCG GGG ATC CAT CGA TGT CGA CCT GCA GAG ATC TAT</u> GAA TCG TAG ATA CTG AAA						
pGAD-C2	AAA AAA GAG ATC <u>GAA TTC CCG GGG GAT CCA TCG ATG TCG ACC TGC AGA GAT CTA</u> TGA ATC GTA GAT ACT GAA						
pGAD-C1	AAA AAA GAG ATC <u>GAA TTC CCC GGG GGA TCC ATC GAT GTC GAC CTG CAG AGA TCT</u> ATG AAT CGT AGA TAC TGA						

Construct number
 Constructed by James P et al

Date entered 8.4.02
 Date constructed 1996

PLASMID NAME

pGAD-C3

<u>bacterial marker</u> Amp	<u>parent vector</u> pGAD424
<u>yeast marker</u> LEU2	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> 2 μ circle	<u>other relevant source constructs</u> pOAD

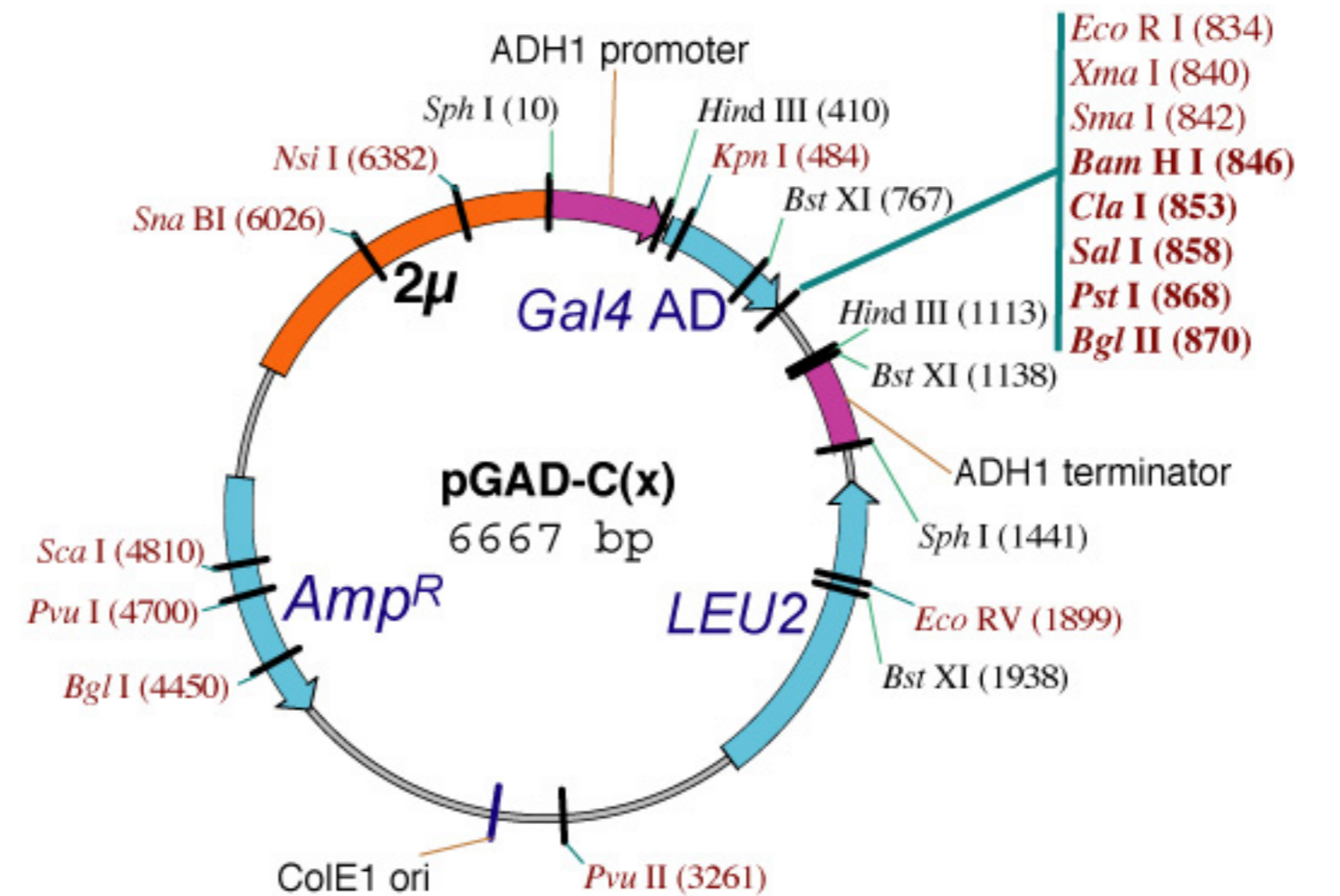
Inserts Expression vector for use in yeast **two-hybrid (2-hybrid)** system. Contains **GAL4AD** (activation domain: aminoacids 768-881) for N-terminal fusions. Polylinker after **GAL4AD** contains sites : **Eco RI** (in the same frame in C1,C2,C3) **Sma I** (in the same frame in C2 & C3) **Bam HI**, **Sal I**, **Pst I**, **Bgl II** (in 3 different frames in C1,C2 & C3 - see map)

Reporter gene

Promoter, splice, PolyA ADH (alcoholdehydrogenase) promoter and transcription termination elements

Comments - yeast 2-hybrid prey vector
 - map & sequence available
 - GenBank accession number: **U70026**

Reference James P, Halladay J, Craig EA. (1996) **Genomic libraries and a host strain designed for highly efficient two-hybrid selection in yeast.** *Genetics* 1996 Dec;144(4):1425-36



	<i>Eco RI</i>	<i>Sma I</i>	<i>Bam HI</i>	<i>Cla I</i>	<i>Sal I</i>	<i>Pst I</i>	<i>Bgl II</i>
pGAD-C3	AAA AAA GAG ATC <u>GAA TTC CCG GGG ATC CAT CGA TGT CGA CCT GCA GAG ATC TAT</u> GAA TCG TAG ATA CTG AAA						
pGAD-C2	AAA AAA GAG ATC <u>GAA TTC CCG GGG GAT CCA TCG ATG TCG ACC TGC AGA GAT CTA</u> TGA ATC GTA GAT ACT GAA						
pGAD-C1	AAA AAA GAG ATC <u>GAA TTC CCC GGG GGA TCC ATC GAT GTC GAC CTG CAG AGA TCT</u> ATG AAT CGT AGA TAC TGA						

Construct number

1521

Date entered

23.4.02

Constructed by

Reuven Agami lab

Date constructed

PLASMID NAME

pSUPER

bacterial marker Amp

parent vector
pBlueScript-KS
bacterial plasmid

other relevant source constructs

Inserts RNA Pol. III promoter H1-BglIII-TTTTT(terminator)-HindIII

Reporter gene

Promoter,
splice,
PolyA T7, T3

Comments Vector is for expressing siRNAs as hair-pin. Insert target sequence as BamHI-HindIII oligo as shown on enclosed sheet.

Reference Brummelkamp et al. (2002) Science 296, 550-553

DIDIER PICARD LAB, University of Geneva

Construct number

1522

Date entered

29.5.02

Constructed by

Valentina Gburcik

Date constructed

25.5.02

PLASMID NAME

pcDNA3 - Flag - hSPBP

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pcDNA3-HA- hSPBP

bacterial plasmid

other relevant source constructs

Inserts

HA tag from pcDNA3-HA-hSPBP was exchanged for Flag-tag by in-frame insertion of Flag-oligos into HindIII-NotI restriction sites.

Reporter gene

Promoter,
splice,
PolyA

- CMV promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- Sp6 promoter
- SV40 early promoter and origin
- SV40 early poly A signal

Comments NM_181492 transcript (shorter version of SPBP)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1523

Date entered

2.7.02

Constructed by

Lindquist lab

Date constructed

10.98

PLASMID NAME

pCUP1/RNQ::GFP

alternative name

6601

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

6431

bacterial plasmid

AG-1

other relevant source constructs

Inserts full lenth Rnq1 fused to GFP

Reporter gene

Promoter, CUP1 promoter
splice,
PolyA

Comments Rnq is between BamH1 and SacII

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 2.7.02

Constructed by Lindquist lab

Date constructed 11.97

PLASMID NAME

CSUP35sG

alternative name

6441

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

AG-1

other relevant source constructs

Inserts Sup35 fused to superglow GFP

Reporter gene

Promoter,
splice,
PolyA CUP1

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 2.7.02

Constructed by Lindquist lab

Date constructed 8.97

PLASMID NAME

pCUP/GFP

alternative name

6431

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

AG-1

other relevant source constructs

Inserts 316CUP1 with superglow GFP

Reporter gene

Promoter,
splice,
PolyA CUP1

Comments 316CUP1 with superglow GFP between the SacII and SacI sites.
The GFP is followed by a single stop codon.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1526

Date entered

2.7.02

Constructed by

Lindquist lab

Date constructed

8.00

PLASMID NAME

p316CUP/Ure2NPD::

alternative name

7022

bacterial marker Amp

yeast marker URA3

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Ure2NPD fused N-terminal to GFP

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 17.7.02

Constructed by Fedor Forafonov

Date constructed

PLASMID NAME

pETX-15f

bacterial marker Amp

parent vector

pET-15b

bacterial plasmid

pBR322

other relevant source constructs

pYes/Flag, pYes2/HA

Inserts

6xHis-tag bacterial expression vector
pET-15b (Novagene - N233) was cut by **Nde I** and **Bam HI** and then ligated to phosphorylated and annealed oligos **N580 & N581**

Resulting vector has bigger polylinker, containing sites: **Nde I, Sac I, Bam HI, Sac II, Not I, Xho I, Sph I, Nsi I.**

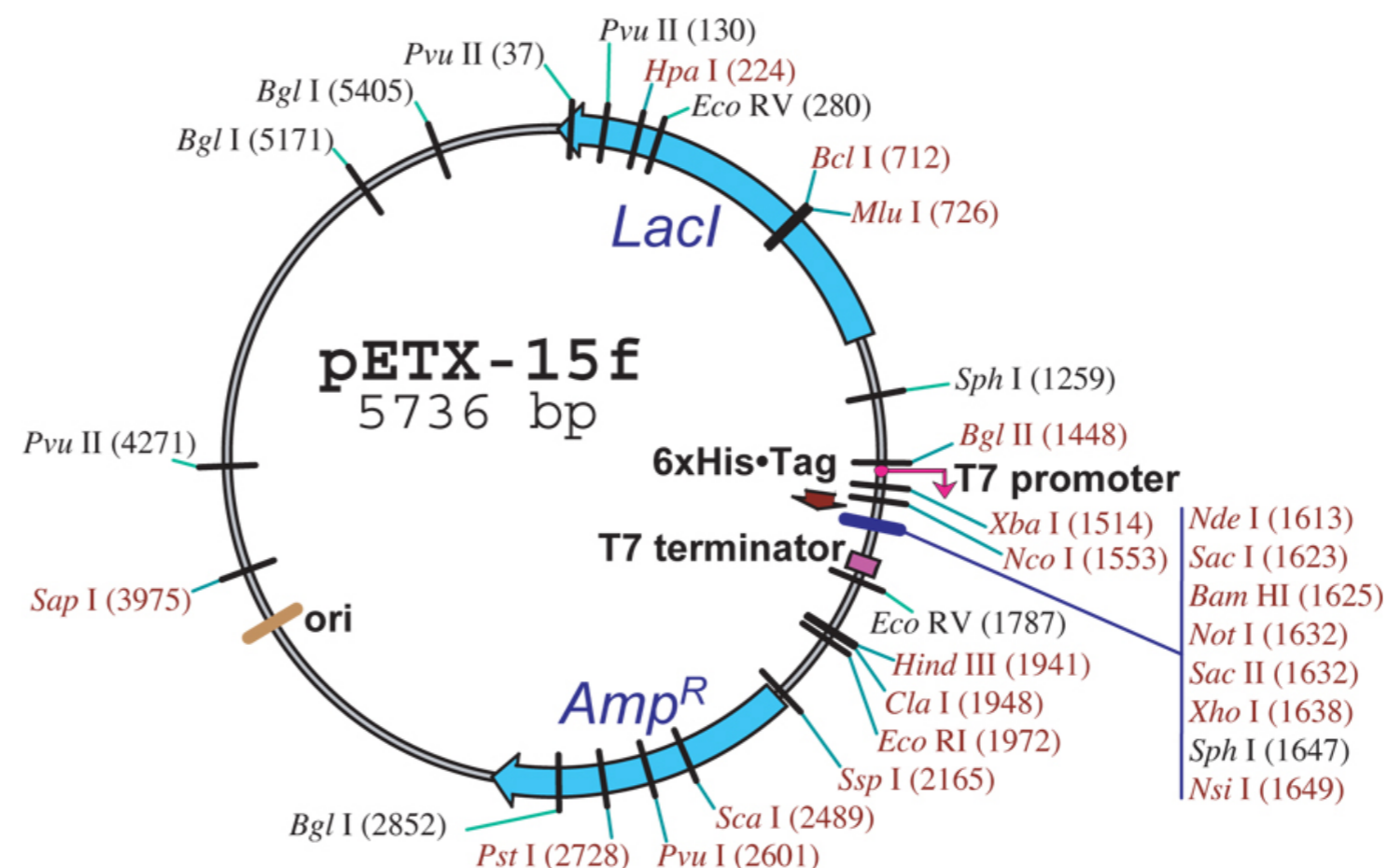
Sac I and **Bam HI** site in the same frame as in yeast vectors **pYes/Flag** (N1236) and **pYes2/HA** (N1359)

Reporter gene

Promoter, splice, PolyA T7 promoter and T7 transcription terminator

Comments - very low copy vector - use chloramphenicol to amplify
 - polylinker was verified by sequencing
 - map and sequence available

Reference



```

BglIII          T7 promoter          lac operator
AGATCTCGATCCC GCGAAATTAATACGACTCACATATAAGGGAATTGTGAGCGGATAACAATTC
XbaI           rbs           NcoI
CCCTCTAGAAATAATTTTGTTTAACTTTAAGAAGGAGATATAACC ATG GGC AGC AGC
Met Gly Ser Ser

6xHis•Tag          thrombin
CAT CAT CAT CAT CAT CAC AGC AGC GGC CTG GTG CCG CGC GGC AGC
His His His His His His Ser Ser Gly Leu Val Pro Arg Gly Ser

SacII           SphI
NdeI           SacI           BamHI           NotI           XhoI           NsiI
CAT ATG GGA GCT CGG ATC CGC GGC CGC TCG AGC ATG CAT TGA TCCG
His Met Gly Ala Arg Ile Arg Gly Arg Ser Ser Met His

Bpu11021
GCTGCTAACAAAGCCC GAAAGGAAGCTGAGTTGGCTGCTGCCACCGCTGAGCAATAACTAGC
T7 terminator
ATAACCCCTTGGGGCCTCTAAACGGGTCTTGAGGGGTTTTTTG
    
```

DIDIER PICARD LAB, University of Geneva

Construct number

1528

Date entered

17.7.02

Constructed by

Nathalie Bot

Date constructed

17.7.02

PLASMID NAME

pBS-ERbeta548

bacterial marker Amp

parent vector

pBluescript

bacterial plasmid

other relevant source constructs

Inserts

human estrogen receptor with 548 aa

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Endocrinology 143(4):1558-1561

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 17.7.02

Constructed by Nathalie Bot

Date constructed 17.7.02

PLASMID NAME

pBS-ERbeta548Y-S

bacterial marker

parent vector

pBluescript

bacterial plasmid

other relevant source constructs

Inserts human estrogen receptor beta with 548 aa. Constitutively active

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Endocrinology 143(4):1558-1561

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 17.7.02

Constructed by Nathalie Bot

Date constructed 17.7.02

PLASMID NAME

pCEP4-ERbeta548

bacterial marker Amp

vertebrate marker Hygromycin

parent vector

pCEP4

bacterial plasmid

other relevant source constructs

Inserts human estrogen receptor beta with 548 aa.

Reporter gene

Promoter, CMV enhancer/promoter
splice, SV40 poly A signal
PolyA

Comments

Reference Endocrinology 143(4):1558-1561

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 17.7.02

Constructed by Nathalie Bot

Date constructed 17.7.02

PLASMID NAME

pCEP4-ERbeta548Y-S

bacterial marker Amp

vertebrate marker Hygromycin

parent vector

pCEP4

bacterial plasmid

other relevant source constructs

Inserts human estrogen receptor beta with 548 aa. Constitively active

Reporter gene

Promoter, CMV enhancer / promoter
splice, SV40 poly A signal
PolyA

Comments

Reference Endocrinology 143(4);1558-1561

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 17.7.02

Constructed by Nathalie Bot

Date constructed 17.7.02

PLASMID NAME

puro-ERbeta548

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pRESpuro2

bacterial plasmid

other relevant source constructs

Inserts human estrogen receptor beta with 548 aa.

Reporter gene

Promoter, CMV
splice, synthetic intron
PolyA bovine GH A

Comments

Reference Endocrinology 143(4); 1558-1561

DIDIER PICARD LAB, University of Geneva

Construct number

1533

Date entered

17.7.02

Constructed by

Nathalie Bot

Date constructed

17.7.02

PLASMID NAME

puro-ERbeta548Y-S

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pRESpuro2

bacterial plasmid

other relevant source constructs

Inserts

human estrogen receptor beta with 548 aa. Constitutively active

Reporter gene

Promoter,
splice,
PolyA

CMV
synthetic intron
bovine GH poly A

Comments

Reference

Endocrinology 143(4):1558-1561

Construct number

1534

Date entered

14.8.02

Constructed by

Date constructed

PLASMID NAME

pSEAP-LDH (-159)

bacterial marker Amp

parent vector

pSEAP

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

SEAP

(*hsp68-lacZ*)

Promoter,
splice,
PolyA

Comments Obtained from Joel Baguet, Ecole Normale Supérieure de Lyon

Reference

Construct number

1535

Date entered

14.8.02

Constructed by

Date constructed

PLASMID NAME

pRC - CMV - Sp1(rat)

bacterial marker Amp

parent vector
pRC-CMV (Invitrogen)
bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA CMV promoter

Comments Obtained from Joel Baguet, Ecole Normale Supérieure de Lyon

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 11.9.02

Constructed by Morag MacLean

Date constructed 08.07.07

PLASMID NAME

p2U/CDC37

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

other relevant source constructs

pG1CDC37

Inserts BamHI insert from pG1/CDC37 containing CDC37 ORF and PGK terminator inserted into p2U at BamHI site

Reporter gene

Promoter,
splice,
PolyA GPD

Comments Complements cdc37-34 mutation.
1mg/ml

Reference

Construct number

1537

Date entered

13.9.02

Constructed by

Reuven Agami

Date constructed

PLASMID NAME

pRETRO-SUPER

bacterial marker Amp

vertebrate marker Puromycin

parent vector

bacterial plasmid

other relevant source constructs

pSUPER

Inserts

- RNA Pol. III promoter H1-BglII-TTTT (terminator)-HindIII.

- This whole cassette from plasmid pSUPER is built into a self-inactivating murine stem cell virus (pMSCV) plasmid. The 3' LTR of the pMSCV was inactivated by an internal (NheI-XbaI) deletion to generate a self-inactivating virus (LTR). Upon integration to the genome of the virus produced from this vector, the 3' LTR is duplicated to the 5' LTR to generate a provirus that lacks all of LTR's enhancer-promoter activities.

Reporter gene

Promoter,
splice,
PolyA

Comments

- sequence and map available.
- Vector is for stably expressing siRNAs, initially as hair-pin.
- terminator sequence has to be part of inserted oligo.

Reference

Brummelkamp et al. (2002) Cancer Cell 2, 243-247

Construct number

1538

Date entered

17.9.02

Constructed by

Elena Suslova

Date constructed

9.02

PLASMID NAME

pRS313-v-src

bacterial marker Amp

yeast marker HIS3

CEN/ARS

parent vector

pRS313

bacterial plasmid

other relevant source constructs

Inserts

v-*Src* under Gal1/10 promoter from YpRS316-v-*src*,
for cloning was used *Sac*II and *Xho*I sites

Reporter gene

Promoter,
splice,
PolyA

Gal1/10

Comments

Reference

Construct number

1539

Date entered

20.9.02

Constructed by

Nicolas Foray

Date constructed

PLASMID NAME

pSuperNEO

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

pcDNA3

bacterial plasmid

other relevant source constructs

pSUPER

Inserts

"RNAi cassette": RNA Pol. III promoter H1-BglIII-TTTTT(terminator)
-HindIII

This is cloned as a BamHI-Hind3 fragment into the Bgl2-Hind3 sites of
pcDNA3.

Reporter gene

Promoter,
splice,
PolyA

Comments

Vector is for expressing siRNAs as hair-pin. Insert target sequence as
BamHI-HindIII oligo as shown on enclosed sheet.

Reference

for pSUPER: Brummelkamp et al. (2002) Science 296, 550-553

Construct number

1540

Date entered

2.10.02

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

1541

Date entered

2.10.02

Constructed by

Marco Siderius

Date constructed

PLASMID NAME

Ycplac111-CDC37

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

Ycplac111 (LEU2)

bacterial plasmid

other relevant source constructs

pFL44L genomic bank

Inserts

Seq from chr IV 787637 - 791947. SphI and SacI sites used to subclone 2971 bp insert with CDC37.

Reporter gene

Promoter,
splice,
PolyA CDC37

Comments

there are 2 EcoRI sites at 124 and 2062 bp, one of which is not indicated by the SGD genome restriction map.

Reference

Construct number

1542

Date entered

2.10.02

Constructed by

Marco Siderius

Date constructed

PLASMID NAME

Ycplac111-cdc37-34

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

Ycplac111 (LEU2)

bacterial plasmid

other relevant source constructs

Inserts

Cdc37 mutant allele, from gap repaired original cdc37-34 mutant.
Fragments used for Gap repair
1. DraI site to start codon CDC37 gene
2. end codon of CDC37 gene to Chr IV 791947

Subcloned at sites SphI and SacI, with insert size of 1826 bp (Chr IV 790118 - 791944). Mutated nucleotide T41C in cdc37 gene.

Reporter gene

Promoter,
splice,
PolyA CDC37

Comments there is another mutation at Chr IV 790172 nucleotide (G substitutes toA)

This plasmid should have the BamHI site removed from the multicloning site if it was made as Marco said, but on restriction there is a BamHI site close to the HindIII and the SphI site (not sure which side).

Reference

Construct number

1544

Date entered

30.10.02

Constructed by

Valentina Gburcik

Date constructed

25.10.02

PLASMID NAME

pET-15b / SPBP(1459-1615aa)

bacterial marker Amp

parent vector

pET-15b

bacterial plasmid

other relevant source constructs

Inserts

Cut as BamHI-Bpu1102 I fragment from the construct pET-32 / SPBP (1459-1615aa)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Gburcik et al. (2005), MCB 25: 3421

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 5.11.02

Constructed by Clontech

Date constructed

PLASMID NAME

pTRE

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

pTK-Hygro

Inserts tetracycline inducible cloning vector

Reporter gene

Promoter, Tet
splice,
PolyA

Comments - does not contain selection marker, use with pTK-Hygro or similar
- sequence available

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 5.11.02

Constructed by Clontech

Date constructed

PLASMID NAME

pTK-Hygro

bacterial marker Amp

vertebrate marker Hygromycin

parent vector

pTK

bacterial plasmid

other relevant source constructs

pTRE

Inserts vector containing selection marker for stable transfections (contransfected with vectors that don't have markers)

Reporter gene

Promoter,
splice,
PolyA

Comments - sequence available

Reference

Construct number

1547

Date entered

7.11.02

Constructed by

Giannino del Sal

Date constructed

PLASMID NAME

pcDNA3 Pin1 FL

bacterial marker Amp

parent vector

IMAGE cosortium (Germania)

bacterial plasmid

other relevant source constructs

Inserts

Insert (Pin1) cut as EcoRI-NotI

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Paola Zacchi et al., 2002, Nature

Construct number

1548

Date entered

7.11.02

Constructed by

Giannino Del Sal

Date constructed

PLASMID NAME

pcDNA3 HA-Pin1 FL

bacterial marker Amp

parent vector

pcDNA3 Pin1

bacterial plasmid

other relevant source constructs

Inserts Pin1 FL

Reporter gene

Promoter,
splice,
PolyA

Comments Pin1 FL PCR out using oligos GDSY 191 and GDSY 192: cut as BamHI-XhoI (only ORF about 500bp)

Reference Paola Zacchi et al., 2002, Nature

Construct number

1549

Date entered

13.11.02

Constructed by

McCusker lab

Date constructed

PLASMID NAME

pAG25

alternative name

pFA6-Nat

bacterial marker Amp

yeast marker Nat

parent vector

pFA6-kanMX4

bacterial plasmid

pSP72

other relevant source constructs

Inserts

Nat (nourseothricin) resistance coding sequence flanked by A.gossypii TEF2 promotor and terminator.

For targeted deletions, do PCR (with 5% DMSO, 55°C annealing temp.) with following primers:

- forward primer 5'-your sequence CAGCTGAAGCTTCGTACGC-3'

- reverse primer 5'-your sequence GCATAGGCCACTAGTGGATCTG-3'

Reporter gene

Promoter,
splice,
PolyA

Comments

- after transformation, grow the cells 3h in YPD before plating on Nat plates (100 µg/ml clonNAT in YPD).

- sequence of this plasmid is available

Reference

Goldstein and McCusker (1999) Yeast 15:1541-1553

DIDIER PICARD LAB, University of Geneva

Construct number

1550

Date entered

20.11.02

Constructed by

Morag MacLean

Date constructed

PLASMID NAME

pESC-LEU/CDC37*Flag

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pESC-LEU

bacterial plasmid

other relevant source constructs

Inserts

CDC37 with Flag fused at the C terminus. Galactose inducible expression in yeast of Cdc37Flag. Cdc37 was amplified by PCR with Fcdc/Not1 and Rcdc37/Not1, and inserted into pESC-Leu at Not1 site. This introduced error Asn460Asp in Cdc37

Reporter gene

Promoter, splice, PolyA GAL10

Comments

Even though there are sequencing errors this plasmid complements DP007 flocculation and ts at 37 C.

Sequence available (does not take into account potential PCR and/or sequencing errors).

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1551

Date entered

20.11.02

Constructed by

Morag MacLean

Date constructed

PLASMID NAME

pESC-TRP/CDC37Flag

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pESC-TRP

bacterial plasmid

other relevant source constructs

Inserts

CDC37 with Flag fused at the C terminus.
Cdc37 was amplified by PCR with Fcdc/Not1 and Rcdc37/Not1, and inserted into pESC-Trp at Not1 site. Galactose inducible expression in yeast of Cdc37Flag.

Reporter gene

Promoter,
splice,
PolyA GAL10

Comments

This plasmid complements DP007 flocculation and ts at 37 C
Sequenced CDC37 gene and Flag

Sequence available.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1552

Date entered

20.11.02

Constructed by

Morag MacLean

Date constructed

2001

PLASMID NAME

pYesF/GFPSti1

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

PYesF/Sti1

bacterial plasmid

other relevant source constructs

pSVA12

Inserts

GFP was amplified with GFP/BamF and GFP/BamR from pSVA12. This introduced BamHI sites and removed the stop codon from GFP to allow N terminal in frame fusion to Sti1. GFP is inframe between Flag and Sti1.

Reporter gene

Promoter,
splice,
PolyA

GAL1

Comments

Checked GFP and Sti1 expression (by Western) and Sti1 function (by complementation).
Fluoresces

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1553

Date entered

27.11.02

Constructed by

Valentina Gburcik

Date constructed

23.11.02

PLASMID NAME

GAL93.SPBP (1459-1615 a.a.)

bacterial marker Amp

parent vector

pSCTEV.gal93-LF2

bacterial plasmid

other relevant source constructs

Inserts

HA-SPBP (1459-1615 a.a.) cut as an XbaI/XmaI fragment from the plasmid pC7-HA-SPBP(1459-1615)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1554

Date entered

18.12.02

Constructed by

Nathalie Bot

Date constructed

18.12.02

PLASMID NAME

N-CoR/siRNA

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pRETRO-SUPER

bacterial plasmid

other relevant source constructs

Inserts

insertion of a 64 bp oligo coding for NcoR into BglII-H3 of pRETRO-SUPER downstream of a RNA pol III promoter H1.
The vector must stably express the 64 bp insertion as an siRNA hair-pin.

The sequence inserted is;

```
GATCCCCCACCCGCCACCAGCAGGAGTTCAAGAGACTCCTGCTGGT
GGCGGGTGT TTTTGGAA
```

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.1.03

Constructed by Fedor Forafonov

Date constructed 14.01.2003

PLASMID NAME

pRSU/OAF1

<u>bacterial marker</u> Amp	<u>parent vector</u> pRS316
<u>yeast marker</u> URA3	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> CEN/ARS	<u>other relevant source constructs</u>

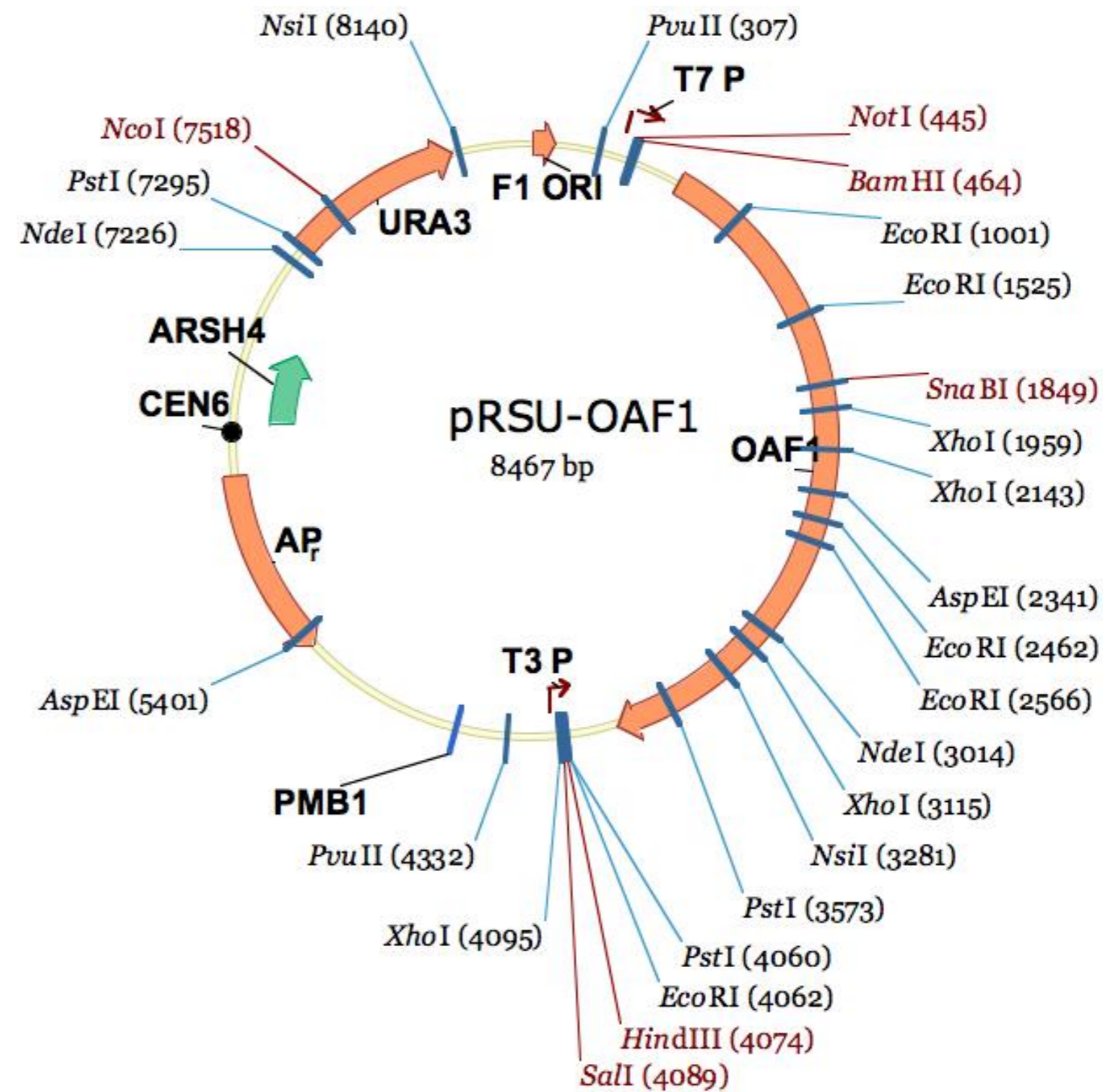
Inserts Contains OAF1 with promoter and terminator regions (PCR from W303) have mutations
 70 W to R
 447 P to Q
 588 T to K
 and at the and 1042 FGNDFA instead of VWAMTLLKNFLSKLLPIHFIN

Reporter gene

Promoter, splice, PolyA

Comments cloned by PCR from genomic DNA of W303 strain, then sequenced (same mutations compared to SGD data were in 2 independent clones, so could be due to polymorphism). Internal BamHI site mutated.

Reference Phelps et al. (2006) PNAS 103, 7077



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.1.03

Constructed by Fedor Forafonov

Date constructed 14.01.2003

PLASMID NAME

pRSU/PIP2

<u>bacterial marker</u> Amp	<u>parent vector</u> pRS316
<u>yeast marker</u> URA3	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> CEN/ARS	<u>other relevant source constructs</u>

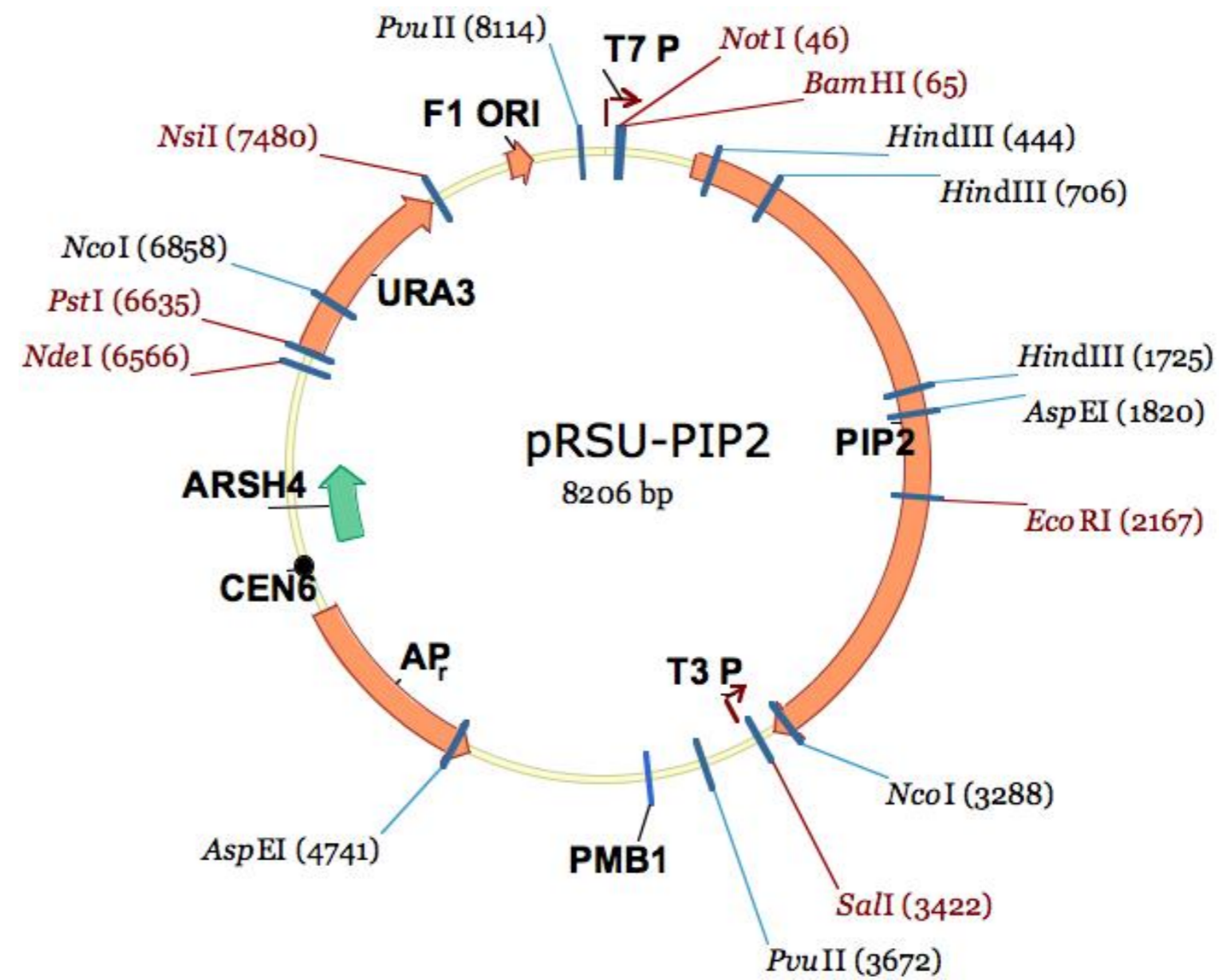
Inserts Contains PIP2 with promoter and terminator regions (PCR from W303)

Reporter gene

Promoter,
splice,
PolyA

Comments cloned by PCR from genomic DNA of W303 strain, then verified by sequencing (contains no mutations - a.a. identical to SGD); internal BamHI site has been mutated.

Reference Phelps et al. (2006) PNAS 103, 7077



Construct number

1557

Date entered

22.1.03

Constructed by

Invitrogen

Date constructed

PLASMID NAME

pcDNA3.1(+)

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

bacterial plasmid

pUC

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

- CMV enhancer/promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments - mammalian expression vector (no tag no nothing, just a nice polylinker)

- there is a readily cleaved EcoRI* site (GAATTA) 770 bp downstream of the regular EcoRI site.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1558

Date entered

23.1.03

Constructed by

Pierre-André Briand

Date constructed

1/2003

PLASMID NAME

pcDNA3/FlagYN

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA3.1(+)

bacterial plasmid

pUC

other relevant source constructs

pEYFP-C1

Inserts Flag-tagged N-terminal 154 amino acids of EYFP (yellow fluorescent protein)

Reporter gene

Promoter,
splice,
PolyA

- CMV promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments sequence available

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1559

Date entered

23.1.03

Constructed by

Pierre-André Briand

Date constructed

1/2003

PLASMID NAME

pcDNA3/FlagYC

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA3.1(+)

bacterial plasmid

pUC

other relevant source constructs

pEYFP-C1

Inserts Flag-tagged C-terminal portion (amino acids 155 to the end at 238) of EYFP (yellow fluorescent protein)

Reporter gene

Promoter,
splice,
PolyA

- CMV promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments sequence available

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.2.03

Constructed by Alena Suslova

Date constructed 01.2003

PLASMID NAME

pGPD/Flag.Sti1

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

pRS315/GPD-PGK

bacterial plasmid

other relevant source constructs

pYESF/Sti1

Inserts yeast Sti1 gene fused N-terminally with Flag tag.

Reporter gene

Promoter,
splice,
PolyA GPD promoter, PGK terminator

Comments PvuII/XhoI fragment from pYESF/Sti1 cloned to the vector (SmaI/SalI)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.2.03

Constructed by Alena Suslova

Date constructed 01.2003

PLASMID NAME

pGPD_L/Sti1

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

pRS315/GPD-PGK

bacterial plasmid

other relevant source constructs

pYESF/Sti1

Inserts yeast Sti1

Reporter gene

Promoter,
splice,
PolyA GPD promoter, PGK terminator

Comments BamHI/XhoI fragment from pYESF/Sti1 cloned to the vector (BamHI/Sal1)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.2.03

Constructed by Fedor Forafonov

Date constructed

PLASMID NAME

pGBDU/SBA1

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pGBDU-C2

bacterial plasmid

other relevant source constructs

Inserts SBA1

Reporter gene

Promoter, ADH1
splice,
PolyA

Comments

Reference

Construct number

1563

Date entered

14.2.03

Constructed by

Michael J. Ellison

Date constructed

1991

PLASMID NAME

YEp105

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

YEp96

bacterial plasmid

other relevant source constructs

Inserts Myc-ubiquitin

Reporter gene

Promoter,
splice,
PolyA CUP1

Comments

Reference M. Ellison and M. Hochstrasser,
JBC, 1991, v.266, No 31, pp. 21150-21157

Construct number

1564

Date entered

20.2.03

Constructed by

Tom Kerppola's lab

Date constructed

PLASMID NAME

pBiFC-YC155

bacterial marker Amp

parent vector

pHA-CMV

bacterial plasmid

other relevant source constructs

EYFP

Inserts

HA tag (MYPYDVPDY) - polylinker - amino acids 155-238 of EYFP (enhanced yellow fluorescent protein).

Reporter gene

Promoter,
splice,
PolyA CMV

Comments

- sequence available
- for "bimolecular fluorescence complementation" in mammalian cells

Reference

Hu et al. (2002) Mol. Cell 9, 789-798.

Construct number

1565

Date entered

20.2.03

Constructed by

Tom Kerppola's lab

Date constructed

PLASMID NAME

pBiFC-YN155

bacterial marker Amp

parent vector

pHA-CMV

bacterial plasmid

other relevant source constructs

EYFP

Inserts

Flag tag - polylinker - amino acids 1-154 of EYFP (enhanced yellow fluorescent protein).

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments

- sequence available
- for "bimolecular fluorescence complementation" in mammalian cells

Reference

Hu et al. (2002) Mol. Cell 9, 789-798.

Construct number

1566

Date entered

20.2.03

Constructed by

Tom Kerppola's lab

Date constructed

PLASMID NAME

pBiFC-bFosYC155

bacterial marker Amp

parent vector

pHA-CMV

bacterial plasmid

other relevant source constructs

EYFP

Inserts

HA tag (MYPYDVPDY) - bZip region of Fos - amino acids 155-238 of EYFP (enhanced yellow fluorescent protein).

Reporter gene

Promoter,
splice,
PolyA CMV

Comments

- sequence available
- for "bimolecular fluorescence complementation" in mammalian cells

Reference

Hu et al. (2002) Mol. Cell 9, 789-798.

Construct number

1567

Date entered

20.2.03

Constructed by

Tom Kerppola's lab

Date constructed

PLASMID NAME

pBiFC-bJunYN155

bacterial marker

Amp

parent vector

pHA-CMV

bacterial plasmid

other relevant source constructs

EYFP

Inserts

Flag tag - bZip region of Jun - amino acids 1-154 of EYFP (enhanced yellow fluorescent protein).

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments

- sequence available
- for "bimolecular fluorescence complementation" in mammalian cells

Reference

Hu et al. (2002) Mol. Cell 9, 789-798.

DIDIER PICARD LAB, University of Geneva

Construct number 1568

Date entered 3.3.03

Constructed by Pierre-André Briand

Date constructed 02/2003

PLASMID NAME

YCp23

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA3/FlagYC

bacterial plasmid

pUC

other relevant source constructs

pEYFP-p23

Inserts Flag-tagged C-terminal portion (amino acids 155 to the end at 238) of EYFP fused to human p23

Reporter gene

Promoter,
splice,
PolyA

- CMV promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments - sequence available

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.3.03

Constructed by Pierre-André Briand

Date constructed 02/2003

PLASMID NAME

YCSRC1i

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA3/FlagYC

bacterial plasmid

pUC

other relevant source constructs

Inserts Flag-tagged C-terminal portion (amino acids 155 to the end at 238) of EYFP fused to the nuclear receptor interaction domain of human SRC1 (AA 602 - 768).

Reporter gene

Promoter,
splice,
PolyA

- CMV promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments - sequence available

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1570

Date entered

3.3.03

Constructed by

Pierre-André Briand

Date constructed

02/2003

PLASMID NAME

YNER(V)

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA3/FlagYN

bacterial plasmid

pUC

other relevant source constructs

Gal93.ER(V)

Inserts

Flag-tagged N-terminal 154 amino acids of EYFP fused to hormone binding domain of human estrogen receptor α (AA 282-595) with G400V mutation

Reporter gene

Promoter,
splice,
PolyA

- CMV promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments - sequence available

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.3.03

Constructed by Fedor Forafonov

Date constructed 7.03.2003

PLASMID NAME

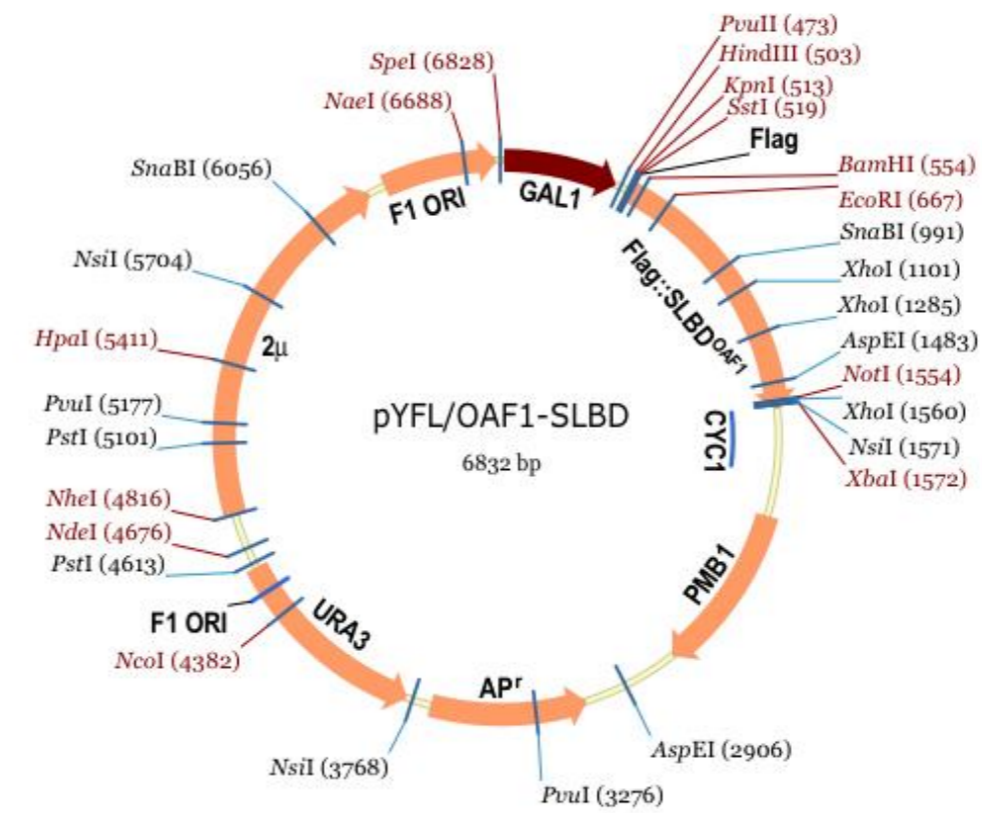
pYFL/OAF1-SLBD

<u>bacterial marker</u> Amp	<u>parent vector</u> pYesF
<u>yeast marker</u> URA3	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> 2 μ circle	<u>other relevant source constructs</u>

Inserts OAF 1 "small" LBD fused with Flag on N'-terminus
FLAG + OAF1 small LBD (aa 244-573) + tail (RGRSSMHLEGRIM)

Reporter gene

Promoter, splice, PolyA GAL



```

PvuII                               KpnI                               BamHI
TAGCAGCTGTAATACGACTCACTATAGGGAATATTAAAGCTTGGTACCGAGCTCAAAGCATGGACTACAAGGACGACGATGACAAGGGATCCCGGGAATA
ATCGTCGACATTATGCTGAGTGATATCCCTTATAATTGCAACCATGGCTCGAGTTTCGTACTGATGTTCTGCTGCTACTGTTCCCTAGGGCCGCTTAT
M D Y K D D D D K G I P A N :
                                FLAG      OSLBI

NotI  XhoI  SphI  XbaI
---CTGACGGTATATCCGGCCGCTCGAGCATGCTCTAGAGGGCCGCATCATGTAATTAGTTATGTCACGCTTACAITCACGCCCTCCCCACATCCGGC
---GACTGCCATATAGCGCCGGCAGCTCGTACGTAGATCTCCCGCGTAGTACATTAATCAATACAGTGCAGATGTAAGTGCCGGAGGGGGGTAGGCG
L T V Y R G R S S M H L E G R I M
OSLBD
    
```

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.3.03

Constructed by Fedor Forafonov

Date constructed 7.03.2003

PLASMID NAME

pYFL/OAF1-BLBD

bacterial marker Amp

parent vector

pYesF

bacterial plasmid

yeast marker URA3

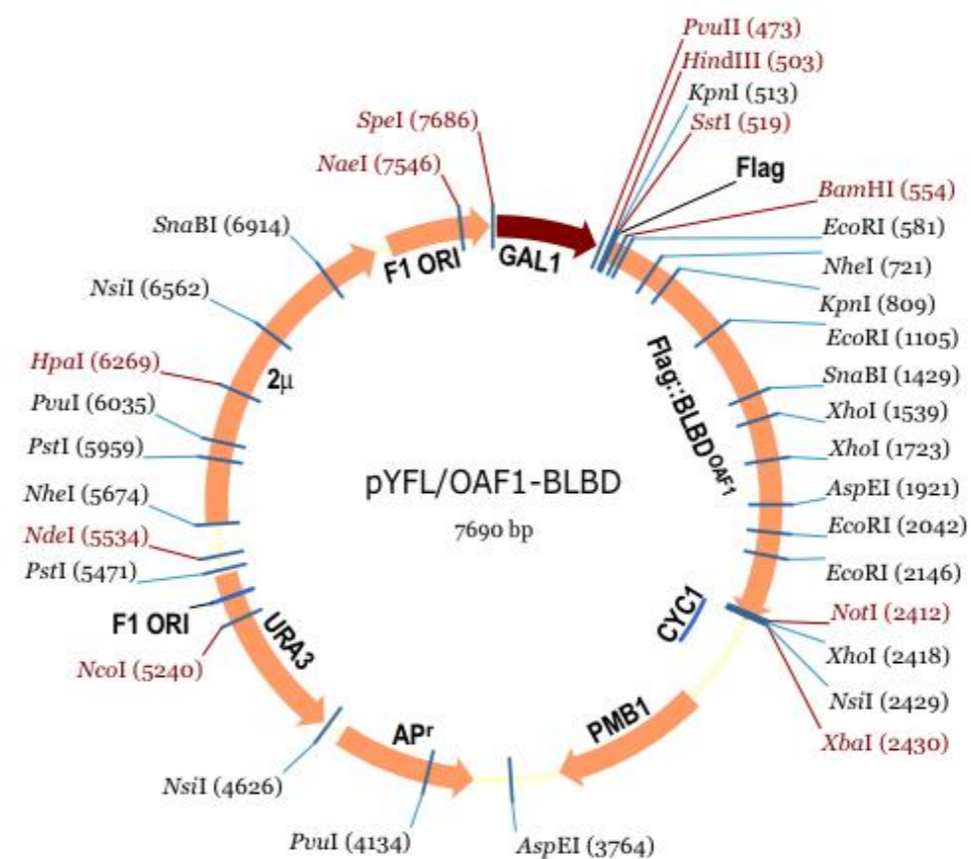
other relevant source constructs

eucaryotic replicon 2 μ circle

Inserts OAF 1 "big" LBD fused with Flag on N'-terminus
FLAG + OAF1 big LBD (aa 98-713) + tail (RGRSSMHLEGRIM)

Reporter gene

Promoter, splice, PolyA GAL



Comments

Reference

```

PvuII                               KpnI                               BamHI
CAGCTGTAAATACGACTCACTATAGGGAATATTAAAGCTTGGTACCAGCTCAAAGCATGGACTACAAGGACGACGATGACAAGGGGATCCCGTCAAACAGCC
AGGCTGTAAATACGACTCACTATAGGGAATATTAAAGCTTGGTACCAGCTCAAAGCATGGACTACAAGGACGACGATGACAAGGGGATCCCGTCAAACAGCC
GTCGACATTATGCTGAGTGATATCCCTTATAATTCGAACCATGGCTCGAGITTCGTACCTGATGTTCTGCTACTGTTCCCGTAGGGCAGTTTGTGCGG
M D Y K D D D D K G I P S K Q P
                                FLAG                                OBLBD

SphI                               XhoI                               XbaI
TACAAGAAATACCGGGCCGCTCGAGCATGCATCTAGAGGGCCGCATCATGTAATTAGTTATGTCACGCTTACATTTCAGCCCTCCCGCCACATCCGCTCTA
ATGTTCTTATGGCGCGGCGAGCTCGTACGTAGATCTCCCGCGTAGTACATTAATCAATACAGTGCAGAAATGTAAGTCCGGGAGGGGGTGTAGGCGAGAT
Y K K Y R G R S S M H L E G R I M
OBLBD
    
```

DIDIER PICARD LAB, University of Geneva

Construct number

1573

Date entered

14.3.03

Constructed by

Pierre-André Briand

Date constructed

07/2003

PLASMID NAME

p2HG/NCoR

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pCEP4-NCoR

Inserts mouse NCoR1 with double flag tag at C-terminus

Reporter gene

Promoter,
splice,
PolyA GPD promoter, no terminator

Comments

Reference for parent vector p2HG: Picard et al (1990) Nature 348: 166-168.

DIDIER PICARD LAB, University of Geneva

Construct number

1574

Date entered

14.3.03

Constructed by

Pierre-André Briand

Date constructed

03/2003

PLASMID NAME

p23YC

bacterial marker Amp

parent vector

pBiFYC155

bacterial plasmid

other relevant source constructs

Inserts

HA tag (MYPYDVPDY) - human p23 - amino acids 155-238 of EYFP (enhanced yellow fluorescent protein).

Reporter gene

Promoter,
splice,
PolyA CMV

Comments

- sequence available
- for "bimolecular fluorescence complementation" in mammalian cells

Reference

for parent plasmid pBiFYC155: Hu et al. (2002) Mol. Cell 9, 789-798.

DIDIER PICARD LAB, University of Geneva

Construct number

1575

Date entered

14.3.03

Constructed by

Pierre-André Briand

Date constructed

03/2003

PLASMID NAME

SRC1iYC

bacterial marker Amp

parent vector

pBiFYC155

bacterial plasmid

other relevant source constructs

Inserts

HA tag (MYPYDVPDY) - human SRC1 (nuclear receptor interaction domain (AA 602-768) - amino acids 155-238 of EYFP (enhanced yellow fluorescent protein).

Reporter gene

Promoter,
splice,
PolyA CMV

Comments

- sequence available
- for "bimolecular fluorescence complementation" in mammalian cells

Reference

for parent plasmid pBiFYC155: Hu et al. (2002) Mol. Cell 9, 789-798.

DIDIER PICARD LAB, University of Geneva

Construct number

1576

Date entered

14.3.03

Constructed by

Pierre-André Briand

Date constructed

03/2003

PLASMID NAME

ER(V)YN

bacterial marker Amp

parent vector
pBiFC-YN155
bacterial plasmid

other relevant source constructs

Inserts

Flag tag - hormone binding domain of human estrogen receptor α (AA 282-595) with G400V mutation - amino acids 1-154 of EYFP (enhanced yellow fluorescent protein).

Reporter gene

Promoter,
splice,
PolyA CMV

Comments

- sequence available
- for "bimolecular fluorescence complementation" in mammalian cells

Reference

for parent plasmid pBiFC-YN155: Hu et al. (2002) Mol. Cell 9, 789-798.

DIDIER PICARD LAB, University of Geneva

Construct number

1577

Date entered

14.3.03

Constructed by

Valentina Gburcik

Date constructed

07.03.03

PLASMID NAME

pGEX2T-AF1 S118E (1-180)

bacterial marker Amp

parent vector
pGEX2T-AF1(1-180)
bacterial plasmid

other relevant source constructs

Inserts

AF1 (1-180) region of the human estrogen receptor alpha mutant (serine 118 mutated to glutamic acid). The NotI/BsmI fragment from HE458 was inserted in pGEX2T-AF1(1-180).

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Gburcik et al. (2005), MCB 25: 3421

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.3.03

Constructed by Valentina Gburcik

Date constructed 14.3.03

PLASMID NAME

pETX-15f Pip2 sLBD

bacterial marker Amp

parent vector

pETX-15f

bacterial plasmid

other relevant source constructs

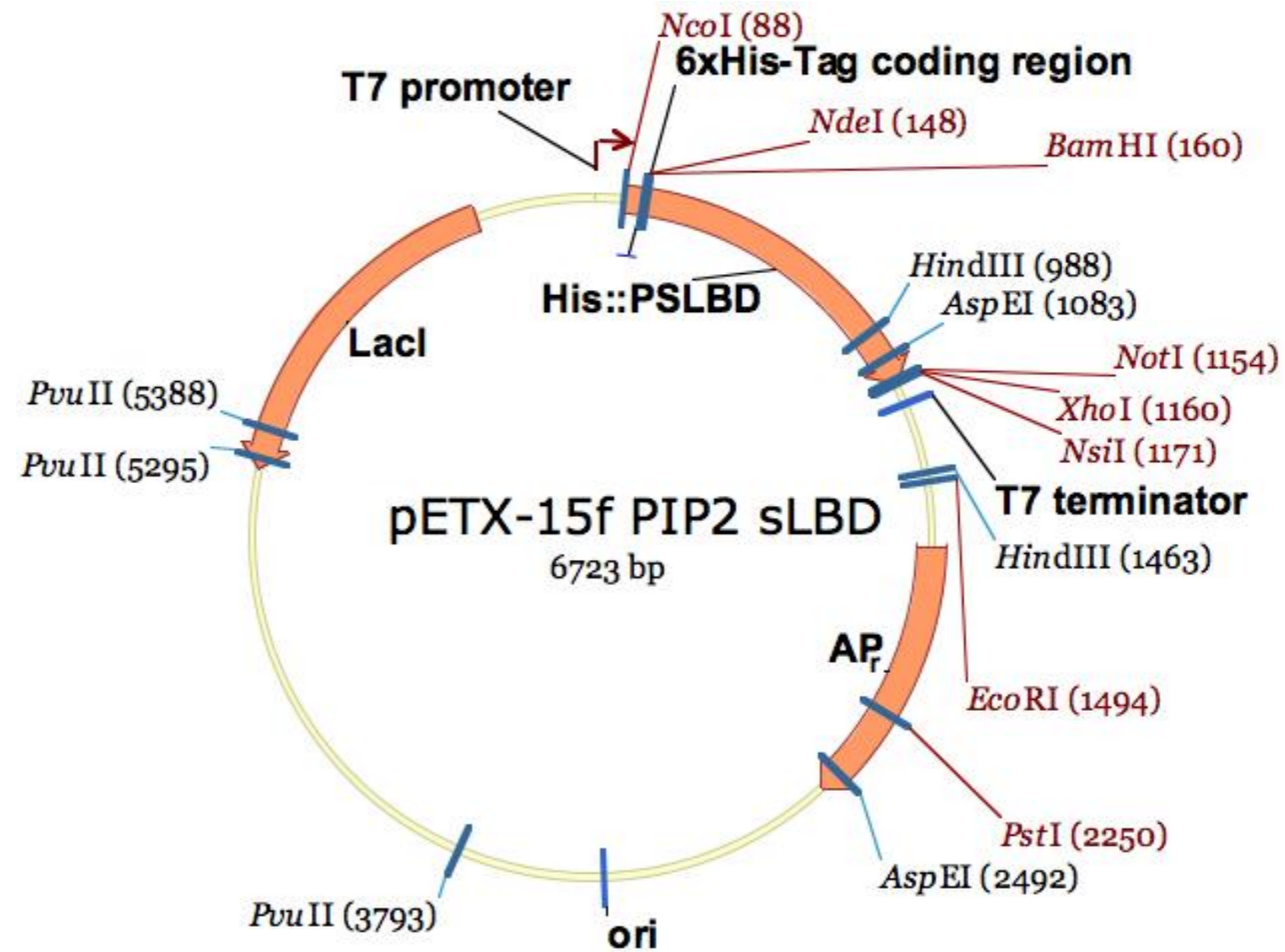
Inserts Pip2 small LBD inserted as a BamHI/NotI fragment
6xHis Tag + thrombin site (derived from pET-15b) + PIP2 small LBD (aa 180-507) + tail (RGRSSMH)

Reporter gene

Promoter,
splice,
PolyA

Comments seq and map entered by Fedor

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.3.03

Constructed by Valentina Gburcik

Date constructed 14.3.03

PLASMID NAME

pETX-15f Oaf1 sLBD

bacterial marker Amp

parent vector

pETX-15f

bacterial plasmid

other relevant source constructs

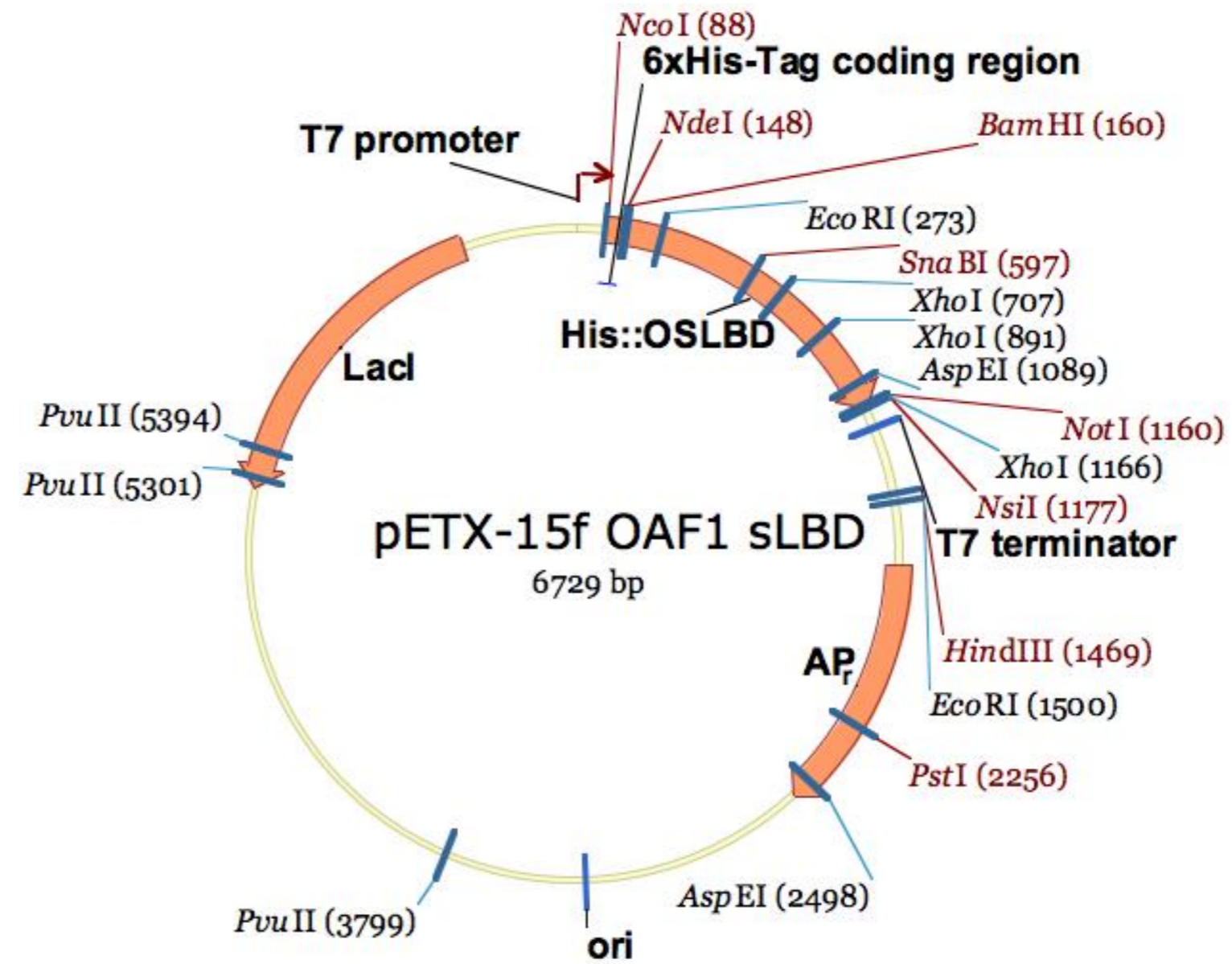
Inserts Oaf1 small LBD inserted as a BamHI/NotI fragment
 6xHis Tag + thrombin site (derived from pET-15b) + OAF1 small LBD (aa 244-573) + tail (RGRSSMH)

Reporter gene

Promoter,
splice,
PolyA

Comments seq and map entered by Fedor

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.3.03

Constructed by Meier's lab

Date constructed

PLASMID NAME

pM GAL4 mPPAR γ LBD

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts aa 193-505 of mPPAR γ LBD

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1582

Date entered

3.4.03

Constructed by

Morag MacLean

Date constructed

PLASMID NAME

pNat1/cdc37-34

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

Ycplac111cdc37-34 (LEU2)

bacterial plasmid

other relevant source constructs

pAG25 (pFA6-Nat)

Inserts

Nat1 gene encoding nourseothricin resistance amplified with FNat1/HindIII and RNat/HindIII primers (introducing a HindIII site downstream). Then cloned at the HindIII site in ycplac111cdc37-34. (ie just in front of SphI)

Reporter gene

Promoter,
splice,
PolyA CDC37 for CDC37 and Nat1 promoter for Nat1

Comments

The ycplac111cdc37-34 parent plasmid has a BamHI site that was not indicated by Marco.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.4.03

Constructed by Nathalie Bot

Date constructed 8.4.03

PLASMID NAME

Gal93-Oaf1-SLBD

bacterial marker Amp

parent vector
pSCTEV gal93-LFO
bacterial plasmid

other relevant source constructs

Inserts Oaf1 small ligand binding domain (aa 244-573)

Reporter gene

Promoter, CMV enhancer /promoter
splice, T7 RNA polymerase promoter
PolyA rabbit b-globin IVS2 and poly A

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.4.03

Constructed by Nathalie Bot

Date constructed 8.4.03

PLASMID NAME

Gal93-Oaf1-BLBD

bacterial marker Amp

parent vector
pSCTEV gal93-LFO
bacterial plasmid

other relevant source constructs

Inserts Oaf1 big ligand binding domain (aa 98-713)

Reporter gene

Promoter, CMV enhancer/promoter
splice, T7 RNA polymerase promoter
PolyA rabbit B-globin IVS2 and poly A

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.5.03

Constructed by Morag MacLean

Date constructed 23/4/03

PLASMID NAME

pSP73/upstr37

bacterial marker Amp

parent vector

pSP73

bacterial plasmid

other relevant source constructs

ycplac111-CDC37

Inserts 0.16 kb PCR product of the upstream region of CDC37 (-430 to -270 from ATG), with SacI and BglII sites introduced in primers for cloning purposes

Reporter gene

Promoter,
splice,
PolyA

Comments First step in creation of a plasmid for creating a strain with cdc37-34 marked with Nat1, so need Nat1 flanked by cdc37 sequences for homologous recombination.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1586

Date entered

9.5.03

Constructed by

Pierre-André Briand

Date constructed

05/2003

PLASMID NAME

ER(V)JYN

bacterial marker Amp

parent vector

pBiFC-bJunYN155

bacterial plasmid

other relevant source constructs

ER(V)YN

Inserts

Flag tag - estrogen receptor α hormone binding domain with G400V mutation - bZip region of Jun - amino acids 1-154 of EYFP (enhanced yellow fluorescent protein).

Reporter gene

Promoter,
splice,
PolyA CMV

Comments

- sequence available
- for "bimolecular fluorescence complementation" in mammalian cells

Reference

for parent vector: Hu et al. (2002) Mol. Cell 9, 789-798.

DIDIER PICARD LAB, University of Geneva

Construct number

1587

Date entered

9.5.03

Constructed by

Pierre-André Briand

Date constructed

05/2003

PLASMID NAME

JYNER(V)

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA3/FlagYN

bacterial plasmid

pUC

other relevant source constructs

pBiFC-bJunYN155

Inserts

Flag-tagged bZip region of C-Jun fused to N-terminal 154 amino acids of EYFP fused to hormone binding domain of human estrogen receptor α (AA 282-595) with G400V mutation

Reporter gene

Promoter,
splice,
PolyA

- CMV promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments - sequence available

Reference for pBiFC-bJunYN155: Hu et al. (2002) Mol. Cell 9, 789-798.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 12.5.03

Constructed by Valentina Gburcik

Date constructed 30.04.03

PLASMID NAME

p2HG HA- SPBP (1459-1615aa)

bacterial marker Amp

parent vector

p2HG

bacterial plasmid

eucaryotic replicon 2 μ circle

other relevant source constructs

Inserts HA-SPBP (1459-1615aa) taken as a BamHI-NotI cassette from the plasmid pc/ HA- SPBP (1459-1615aa).

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

1589

Date entered

26.5.03

Constructed by

Piia Leskinen

Date constructed

PLASMID NAME

YipERE_{luc}

bacterial marker Amp

yeast marker URA3

eucaryotic replicon none

parent vector

YipMEL α 2 and Yipluc

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene luciferase

Promoter,
splice,
PolyA Tandem ERE in MEL1 promoter lacking its UAS

Comments - firefly luciferase lacking peroxisomal targeting sequence.
- can be linearized with EcoRV for integration into genome.
- sequence available

Reference for parent vector: Melcher et al. (2000) Gene 247, 53-61

Construct number

1590

Date entered

26.5.03

Constructed by

Piia Leskinen

Date constructed

PLASMID NAME

Yipluc

bacterial marker Amp

yeast marker URA3

eucaryotic replicon none

parent vector

YlpMEL α 2

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene luciferase

Promoter,
splice,
PolyA truncated MEL1 promoter lacking its UAS (regulatory sequences can be integrated at unique XhoI site)

Comments - firefly luciferase lacking peroxisomal targeting sequence.
- can be linearized with EcoRV for integration into genome.
- sequence available

Reference for parent vector: Melcher et al. (2000) Gene 247, 53-61

Construct number

1591

Date entered

26.5.03

Constructed by

Piia Leskinen

Date constructed

PLASMID NAME

pGEMluc-skl+stop

bacterial marker Amp

parent vector

pGEM-T

bacterial plasmid

other relevant source constructs

Inserts

firefly luciferase with mutated peroxisomal targeting signal

Reporter gene

Promoter,
splice,
PolyA

Comments - sequence available

Reference

Construct number

1592

Date entered

26.5.03

Constructed by

Piia Leskinen

Date constructed

PLASMID NAME

SaIER α

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

pSAL1

bacterial plasmid

pRS315 backbone

other relevant source constructs

Inserts human estrogen receptor α (ER α)

Reporter gene

Promoter,
splice,
PolyA CUP1

Comments - for copper-inducible expression of ER

Reference for parent vector: Mascorro-Gallardo et al. (1996) Gene 172, 169-170

Construct number

1593

Date entered

26.5.03

Constructed by

Piia Leskinen

Date constructed

PLASMID NAME

SaIER β

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

pSAL1

bacterial plasmid

pRS315 backbone

other relevant source constructs

Inserts human estrogen receptor β (ER β); version that is 485 amino acids long.

Reporter gene

Promoter, CUP1
splice,
PolyA

Comments - for copper-inducible expression of ER

Reference for parent vector: Mascorro-Gallardo et al. (1996) Gene 172, 169-170

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 5.6.03

Constructed by Morag MacLean

Date constructed 14/4/03

PLASMID NAME

pSP73/prom/Nat1 (P)

alternative name

pSP73/upstr37/Nat

bacterial marker Amp

parent vector

pSP73/prom

bacterial plasmid

other relevant source constructs

pNat1cdc37-34

Inserts Nat1 gene (0.9kb excised from pNat1cdc37-34) cloned at PstI and HindIII site.

Reporter gene

Promoter,
splice,
PolyA

Comments Middle stage in construction of a plasmid to create a strain for use in a synthetic lethal screen.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1595

Date entered

5.6.03

Constructed by

Morag MacLean

Date constructed

14/4/03

PLASMID NAME

pSP73/prom/Nat1 (S)

alternative name

pSP73/upstr37/Nat (Sal)

bacterial marker

Amp

parent vector

pSP73/prom

bacterial plasmid

other relevant source constructs

pNat1cdc37-34

Inserts

Nat1 gene (1.1 kb excised from pNat1cdc37-34) cloned at Sall and HindIII site.

Reporter gene

Promoter,
splice,
PolyA

Comments

Middle stage in construction of a plasmid to create a strain for use in a synthetic lethal screen.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 5.6.03

Constructed by Morag MacLean

Date constructed 15/5/03

PLASMID NAME

pCdc37-34/SL

alternative name

pSP73/upstr37/Nat/cdc37-37 (Sal)

bacterial marker Amp

parent vector

pSP73/upstr/Nat (Sal)

bacterial plasmid

other relevant source constructs

pNat1cdc37-34

Inserts 1.26 kb upstream promoter region and Nat1 gene excised at SacI and HindIII sites and ligated with HindIII/SacI cdc37-34 into pSP73 at SacI site.

Reporter gene

Promoter,
splice,
PolyA

Comments The SacI fragment containing nat1 and cdc37-34 can be used to create a cdc37-34 strain marked with Nat1 by homologous recombination. For creating a strain for a synthetic lethal screen.

Reference

Construct number

1597

Date entered

16.6.03

Constructed by

Kim et al.

Date constructed

PLASMID NAME

pSP1₃

bacterial marker Amp

parent vector
pXP1 (from ATCC)
bacterial plasmid

other relevant source constructs

Inserts

Three consensus GC-rich Sp1 binding sites were cloned into the HindIII and BamHI sites of pXP1 TATA-luciferase reporter construct (see the reference).

Reporter gene

luciferase

Promoter,
splice,
PolyA

SV-40 poly-A site

Comments

Reference

Kim et al., Mol Endocrinol, 17:804.

Construct number

1598

Date entered

7.7.03

Constructed by

Date constructed

PLASMID NAME

YEp352

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

pUC18

other relevant source constructs

Inserts

Yeast vector, is the parent strain of pTRYMHU

Reporter gene

Promoter,
splice,
PolyA

Comments

For use in MCK1 cloning
Rayner et al (2002) Direct and novel regulation of cAMP-dependent protein kinase by Mck1p, a yeast glycogen synthase kinase-3. Jour. Biol. Chem. 277 (19): 16814-16822

Reference

Orig ref,
Hill et al (1986) Yeast 2: 163-167

Construct number

1599

Date entered

7.7.03

Constructed by

Rayner et al

Date constructed

PLASMID NAME

pTRYMHU

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

YEp352

bacterial plasmid

other relevant source constructs

pDD4

Inserts 6His tag at C term of MCK1. Under control of MCK promoter, on 2u plasmid

Reporter gene

Promoter, MCK1 promoter
splice,
PolyA

Comments This plasmid fully complements the mck1delta mutation in vivo.
Sequence of plasmid in DNA file

Reference Rayner et al (2002) Direct and novel regulation of cAMP-dependent protein kinase by Mck1p, a yeast glycogen synthase kinase-3. Jour. Biol. Chem. 277 (19): 16814-16822

DIDIER PICARD LAB, University of Geneva

Construct number

1600

Date entered

25.7.03

Constructed by

Pierre-André Briand

Date constructed

July 2003

PLASMID NAME

puro/ER β AS

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pRESpuro2

bacterial plasmid

other relevant source constructs

puro-ERbeta548

Inserts

1170 bp of coding sequences of the human estrogen receptor β (548 amino acid version) in reverse orientation.

Reporter gene

Promoter, CMV
splice, synthetic intron
PolyA bovine GH poly A

Comments

- puromycin selectable marker is expressed from an internal ribosome entry site (IRES).
- hER β fragment extends from just 5' of ATG to the internal EcoRI site at nt 1169 of the ORF.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.8.03

Constructed by Nathalie

Date constructed 7.8.03

PLASMID NAME

Gal4-oaf1 FL

bacterial marker Amp

parent vector

Gal93.ER

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts GAL 4 DBD (aa 1 - 93) fused on nterminal of OAF 1 full length.

Reporter gene

Promoter, CMV enhancer/ promoter
splice, T7 RNA pol promoter
PolyA rabbit B-globin IVS2 and poly A

Comments insertion of OAF 1 in BHI site

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1602

Date entered

13.8.03

Constructed by

Pierre-André Briand

Date constructed

08/2003

PLASMID NAME

GRIP1(S736E)

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescript

other relevant source constructs

pSG5-Grip1

Inserts mouse Grip1 coding sequence with S736E point mutation

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments Grip1 sequence is a 4.7Kb EcoRI insert

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.8.03

Constructed by Nathalie Bot

Date constructed 13.08.03

PLASMID NAME

KS-OAF1-R

bacterial marker Amp

parent vector
pBLuescript II KS
bacterial plasmid

other relevant source constructs

Inserts OAF 1 full length inserted at BHI site

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.8.03

Constructed by Nathalie Bot

Date constructed 13.08.03

PLASMID NAME

KS-OAF1-F

bacterial marker Amp

parent vector
pBluescript II KS
bacterial plasmid

other relevant source constructs

Inserts OAF-1 full length inserted in BHI site

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1605

Date entered

18.8.03

Constructed by

Valentina Gburcik

Date constructed

30.07.03

PLASMID NAME

pC7-Flag-NCoR

bacterial marker Amp

parent vector

pC7

bacterial plasmid

other relevant source constructs

p2HG/NCoR

Inserts

Mouse NCoR1 with double flag tag at C-terminus (Not I fragment from p2HG/NCoR was inserted into the NotI site of pC7).

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - T7 promoter
PolyA

Comments

Reference Gburcik et al. (2005), MCB 25: 3421

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.8.03

Constructed by Peter D

Date constructed 31.06.03

PLASMID NAME

pET-Oaf1-V537A

bacterial marker Amp

parent vector
pETX-15f Oaf1 sLBD

bacterial plasmid
pETX-15b

other relevant source constructs

Inserts V537A point mutant in Oaf1 small LBD

Reporter gene

Promoter, T7
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.8.03

Constructed by Peter D

Date constructed 30.6.03

PLASMID NAME

pET-Oaf1-T538A

bacterial marker Amp

parent vector

pETX-15f oaf1 sLBD

bacterial plasmid

pETX-15b

other relevant source constructs

Inserts T538A point mutation in Oaf1 small LBD

Reporter gene

Promoter, T7
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.8.03

Constructed by Peter D

Date constructed 30.6.03

PLASMID NAME

pET-Oaf1-V539A

bacterial marker Amp

parent vector
pETX-15f Oaf1 sLBD

bacterial plasmid
pETX-15b

other relevant source constructs

Inserts V539A point mutation in Oaf1 small LBD

Reporter gene

Promoter, T7
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.8.03

Constructed by Peter D

Date constructed 30.6.03

PLASMID NAME

pET-Oaf1-C540A

bacterial marker Amp

parent vector
pETX-15f Oaf1 sLBD

bacterial plasmid
pETX-15b

other relevant source constructs

Inserts C540A point mutation in Oaf1 small LBD

Reporter gene

Promoter, T7
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.8.03

Constructed by Peter D

Date constructed 30.6.03

PLASMID NAME

pET-Oaf1-S541A

bacterial marker Amp

parent vector
pETX-15f oaf1 sLBD
bacterial plasmid
pETX-15b
other relevant source constructs

Inserts S541A point mutation in Oaf1 small LBD

Reporter gene

Promoter, T7
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.8.03

Constructed by Peter D

Date constructed 30.6.03

PLASMID NAME

pET-Oaf1-F542A

bacterial marker Amp

parent vector
pETX-15f Oaf1 sLBD

bacterial plasmid
pETX-15b

other relevant source constructs

Inserts F542A point mutation of Oaf1 small LBD

Reporter gene

Promoter, T7
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.8.03

Constructed by Peter D

Date constructed 30.6.03

PLASMID NAME

pET-Oaf1-E543A

bacterial marker Amp

parent vector
pETX-15f Oaf1 sLBD

bacterial plasmid
pETX-15b

other relevant source constructs

Inserts E543A point mutation of Oaf1 small LBD

Reporter gene

Promoter, T7
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.8.03

Constructed by Peter D

Date constructed 30.06.03

PLASMID NAME

pET-Oaf1-A544S

bacterial marker Amp

parent vector
pETX-15f Oaf1 sLBD

bacterial plasmid
pETX-15b

other relevant source constructs

Inserts A544S point mutation in Oaf1 small LBD

Reporter gene

Promoter, T7
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.8.03

Constructed by Peter D

Date constructed 30.06.03

PLASMID NAME

pET-Oaf1-4XA

bacterial marker Amp

parent vector
pETX-15f Oaf1 SLBD

bacterial plasmid
pETX-15b

other relevant source constructs

Inserts Quadruple point mutations in Helix 12 of Oaf1 small LBD (AA 554-557 were mutated to Alanine)

Reporter gene

Promoter, T7
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 21.8.03

Constructed by Peter D

Date constructed 19.02.03

PLASMID NAME

pUC-2XORE

bacterial marker Amp

yeast marker URA3

parent vector

pUC312S

bacterial plasmid

other relevant source constructs

Inserts 2 tandem FOX3 oleate response elements (ORE) were inserted into XhoI (in reverse orientation)

Reporter gene

Promoter, CYC1 and FOX3 ore
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 1616

Date entered 22.8.03

Constructed by Fedor, Peter & Marie-Pierre

Date constructed 22.08.2003

PLASMID NAME

pLG-Flag

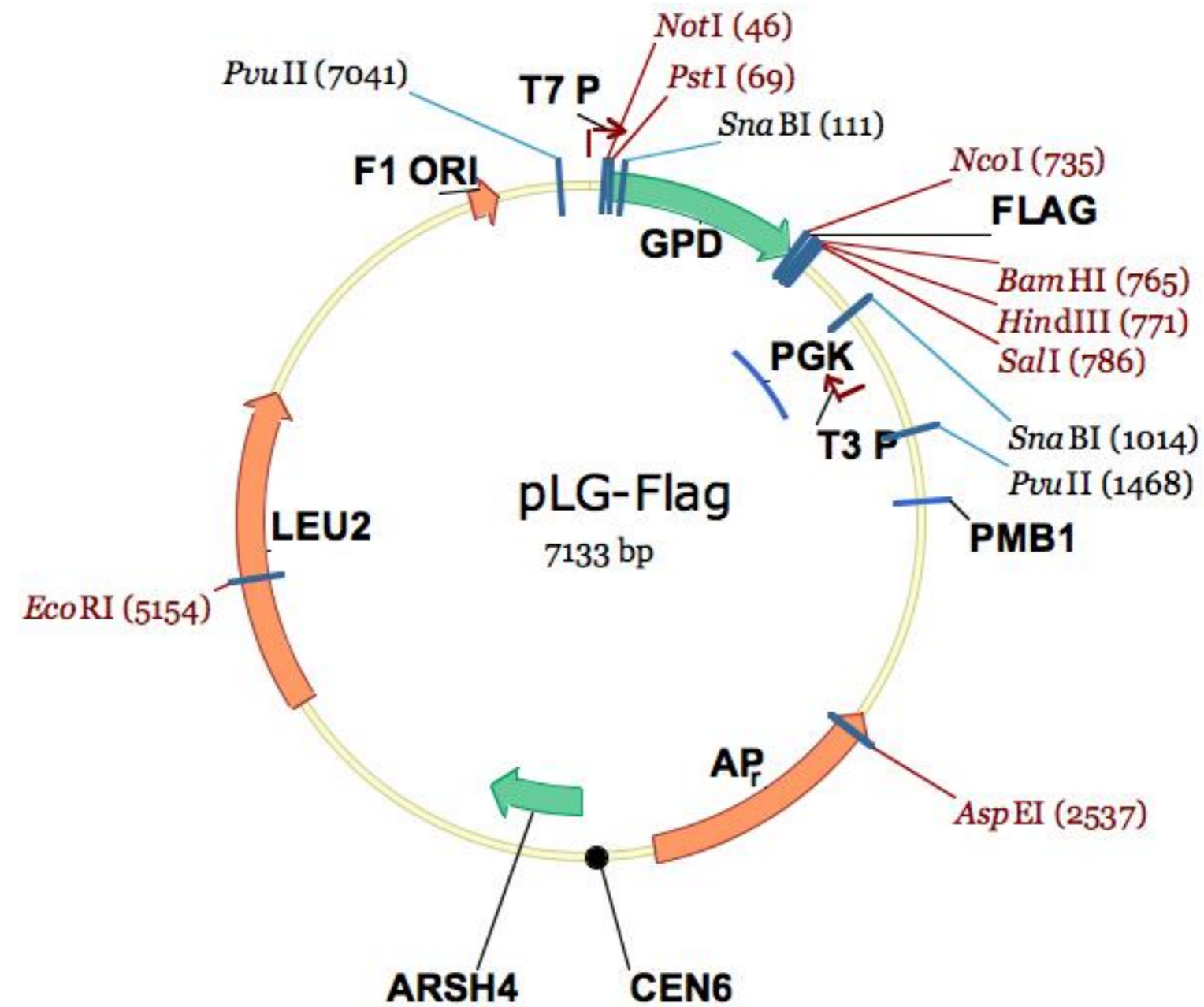
pLGF

bacterial marker Amp	parent vector pRS315/GPD-PGK
yeast marker LEU2	bacterial plasmid
eucaryotic replicon CEN/ARS	other relevant source constructs

Inserts	pRS315 + GPD promoter an PGK terminator Flag tag inserted in the BamHI-HindIII (original BamHI destroyed)
Reporter gene	<pre> HindIII ~~~~~ NcoI ~~~~~ M D Y K D D D K G I CCACCATGGATTACAAAGATGATGATGATAAAGGGATCCAAGCTTATC GGTGGTACCTAATGTTTCTACTACTACTATTTCCCTAGGTTTCAATAG </pre>
Promoter, splice, PolyA	glyceraldehyde-3-phosphate dehydrogenase (GPD) promoter, termination and polyA sites from 3-phosphoglycerate kinase (PGK)

Comments Since the stock of 1616 turned out to be wrong (it lacked the NcoI ATG site), 1616 was recreated by replacing the NotI-BamHI (GPD-FLAG) fragment by the one from a derivative (1620) of the original bona fide 1616. The current new 1616 has been checked by sequencing. Marie-Pierre

Reference YNR



DIDIER PICARD LAB, University of Geneva

Construct number 1617

Date entered 22.8.03

Constructed by Fedor Forafonov

Date constructed 22.08.2003

PLASMID NAME

pHG-Flag

alternative name

pHGF

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313/GPD-PGK

bacterial plasmid

Bluescript

other relevant source constructs

Inserts pRS313 + GPD promoter an PGK terminator
Flag tag inserted in the BamHI-HindIII (original BamHI destroyed)

```

                                     HindIII
                                     ~~~~~~
                                     BamHI
                                     ~~~~~~
NcoI
~~~~~
M D Y K D D D D K G I
CCACCATGGATTACAAAGATGATGATGATAAAGGGATCCAAGCTTATC
Reporter gene GTGGTACCTAATGTTTCTACTACTACTATTTCCCTAGGTTTTCGAATAG

```

Promoter, - glyceraldehyde-3-phosphate dehydrogenase (GPD) promoter,
splice, - termination and polyA sites from 3-phosphoglycerate kinase (PGK) gene
PolyA

Comments - relevant portion verified by sequencing
- complete sequence available

Reference Wider et al. (2009) Mol. Biochem. Parasitol. 164, 147

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.8.03

Constructed by Fedor Forafonov

Date constructed 22.08.2003

PLASMID NAME

pLG-OAF1

bacterial marker Amp	parent vector pRS315/GPD-PGK
yeast marker LEU2	bacterial plasmid
eucaryotic replicon CEN/ARS	other relevant source constructs

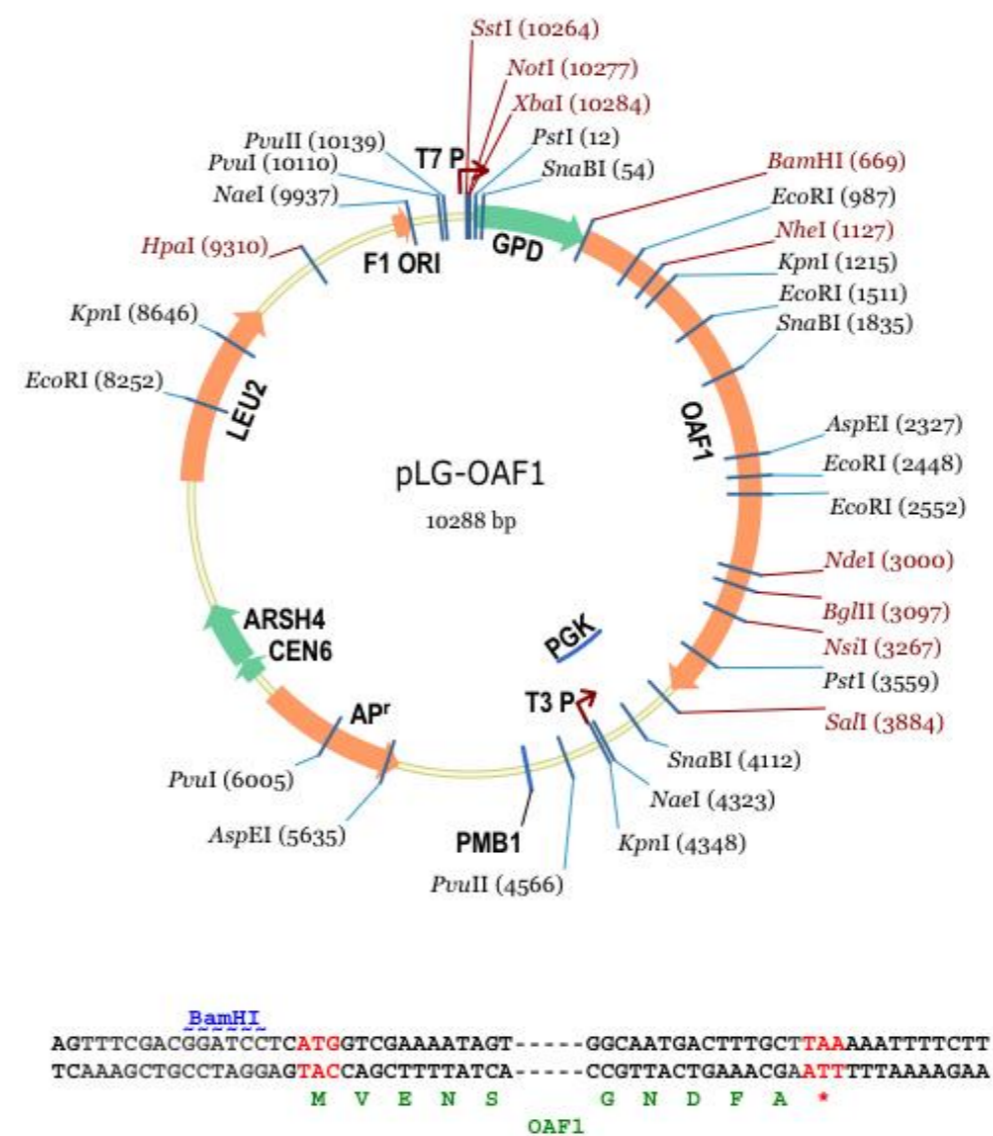
Inserts Full length OAF1 under GPD promoter inserted by BamHI-Sall
full OAF1 (aa 1-1047)

Reporter gene

Promoter, splice, PolyA glyceraldehyde-3-phosphate dehydrogenase (GPD) promoter, termination and polyA sites from 3-phosphoglycerate kinase (PGK)

Comments

Reference Phelps et al. (2006) PNAS 103, 7077



```

BamHI
AGTTTCGACGGATCCTCATGGTCGAAAATAGT----GGCAATGACTTTGCTTAAAATTTTCTT
TCAAAGCTGCCTAGGAGTACCAGCTTTTATCA----CCGTTACTGAAACGAATTTTAAAAGAA
      M V E N S           G N D F A *
      OAF1

SalI
TCCAAACTCCTACCTATTTCATTCATCAATTAATTAATATTATATAGCCACGCGTCGACCTAGAT
AGGTTTGAGGATGGATAAGTAAAGTAGTTAATTAATTAATATAATATATCGGTGCGCAGCTGGATCTA
    
```

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.8.03

Constructed by Fedor Forafonov & Peter Dudek

Date constructed 22.08.2003

PLASMID NAME

pHG-PIP2

bacterial marker Amp	parent vector pRS313/GPD-PGK
yeast marker HIS3	bacterial plasmid
eucaryotic replicon CEN/ARS	other relevant source constructs

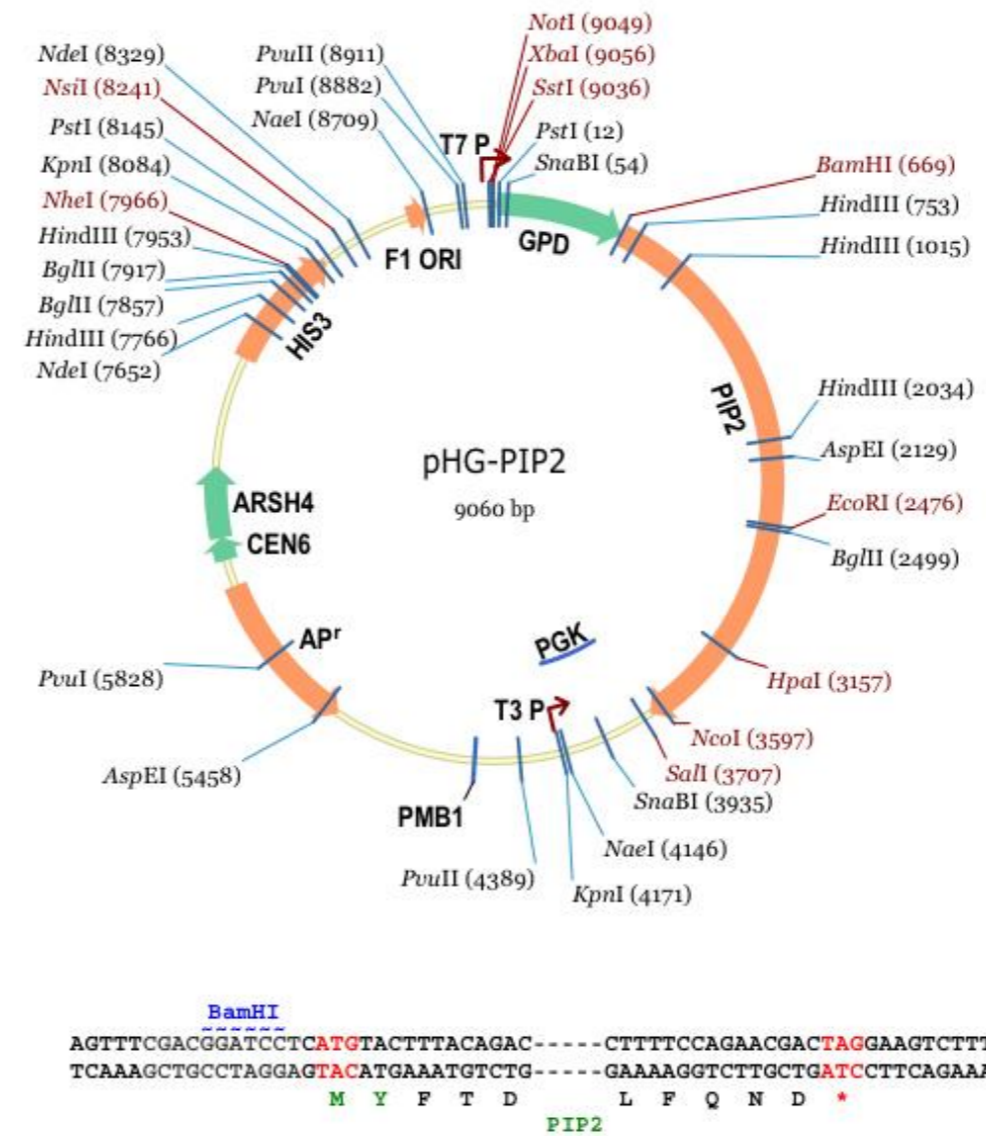
Inserts Full length PIP2 under GPD promoter inserted by BamHI-Sall
full PIP2 (aa 1-996)

Reporter gene

Promoter, splice, PolyA glyceraldehyde-3-phosphate dehydrogenase (GPD) promoter, termination and polyA sites from 3-phosphoglycerate kinase (PGK)

Comments

Reference Phelps et al. (2006) PNAS 103, 7077



CCAGTTTTCCTGAGATGTATACGGCCGACGTCGACCTAGAT
GGTCAAAAGGACTCTACATATGCCGGCTGCAGCTGGATCTA

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.8.03

Constructed by Fedor Forafonov & Peter Dudek

Date constructed 22.08.2003

PLASMID NAME

pLG-Flag::OAF1

bacterial marker Amp	parent vector pLG-Flag bacterial plasmid
yeast marker LEU2	other relevant source constructs
eucaryotic replicon CEN/ARS	

Inserts N'ternally Flag tagged full length OAF1 under GPD promoter
OAF1 inserted by BamHI-SalI

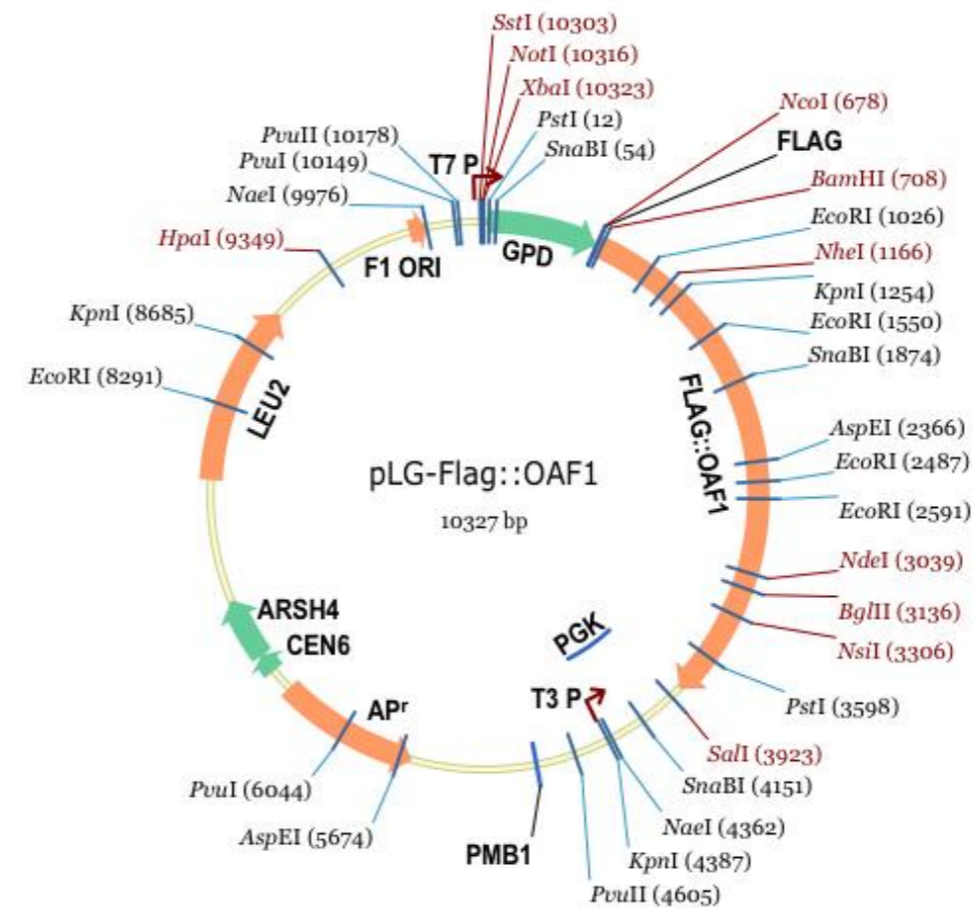
FLAG + full OAF1 (aa 1-1047)

Reporter gene

Promoter, splice, PolyA glyceraldehyde-3-phosphate dehydrogenase (GPD) promoter, termination and polyA sites from 3-phosphoglycerate kinase (PGK)

Comments

Reference Phelps et al. (2006) PNAS 103, 7077



```

NcoI                               BamHI
ATCGCCACCATGGATTACAAGATGATGATGATAAAGGGATCCTCATGGTCGAAAATAGT----GGCAATGACTTTGC
TAGCGGTGGTACCTAATGTTTCTACTACTACTATTCCCTAGGAGTACCAGCTTTTATCA----CCGTTACTGAAACG
      M D Y K D D D D K G I L M V E N S           G N D F A
      FLAG                                     OAF1
    
```

```

SalI
AAATTTTCTTTCCAACTCCTACCTATTTCATTTTCATCAATTAATTAATATTATATAGCCAGCGTCCGACTAGAT
TTTAAAGAAAGGTTTGAGGATGGATAAGTAAAGTAGTTAATTAATTAATATAATATATCGGTGCGCAGCTGGATCTA
    
```

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.8.03

Constructed by Fedor Forafonov

Date constructed 22.08.2003

PLASMID NAME

pHG-PIP2-13x-cMyc

pHG-PIP2-CM

<u>bacterial marker</u> Amp	<u>parent vector</u> pHG-PIP2
<u>yeast marker</u> HIS3	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> CEN/ARS	<u>other relevant source constructs</u>

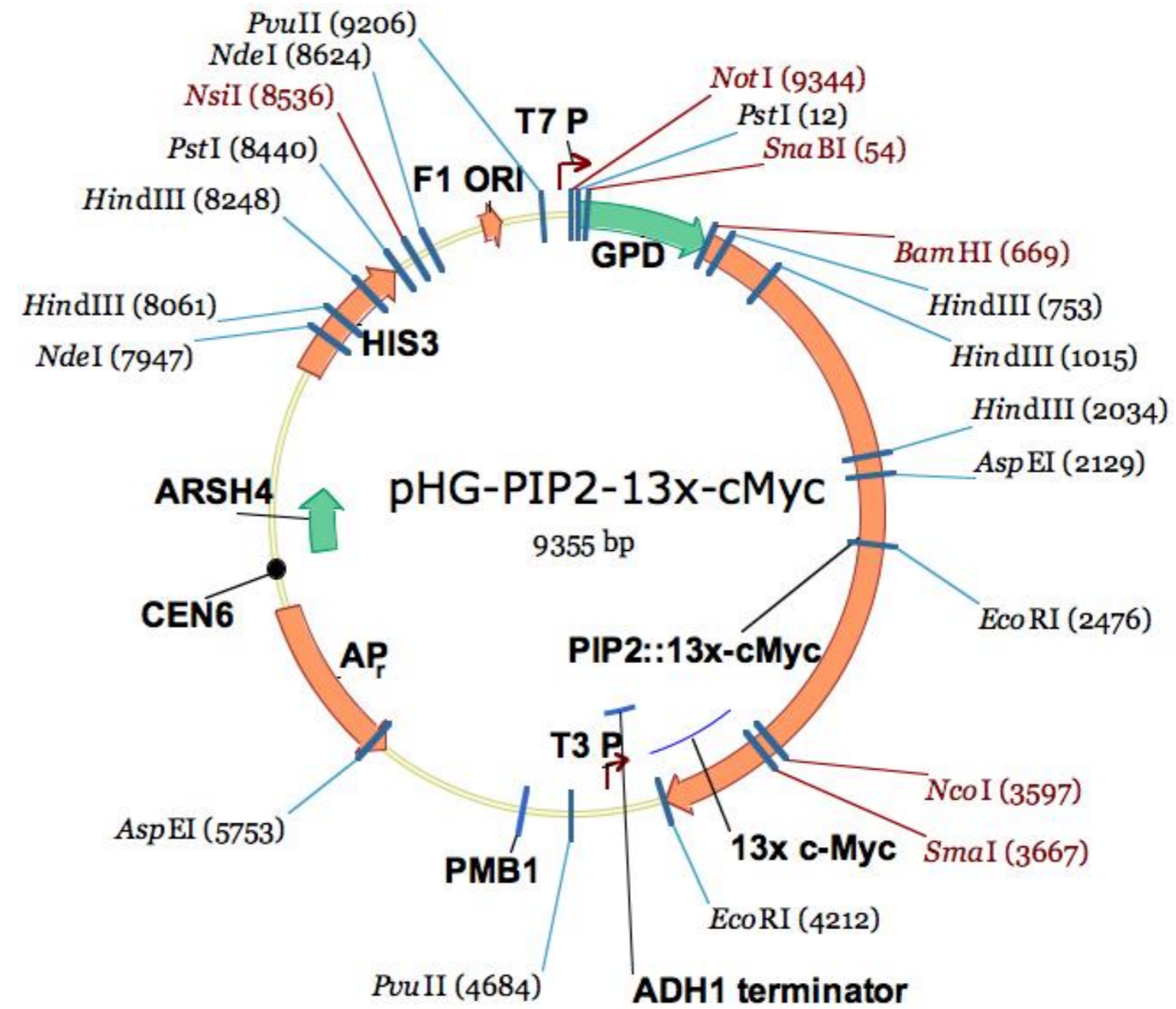
Inserts C'terninally 13x cMyc tagged full length PIP2 under GPD promoter
full PIP2 (aa 1-996) + 13x cMyc

Reporter gene

Promoter, splice, PolyA glyceraldehyde-3-phosphate dehydrogenase (GPD) promoter, ADH1 terminator

Comments

Reference Phelps et al. (2006) PNAS 103, 7077



Construct number

1622

Date entered

26.8.03

Constructed by

Date constructed

PLASMID NAME

pCMV4

bacterial marker Amp

parent vector

pTZ18R

bacterial plasmid

other relevant source constructs

eucaryotic replicon 2 μ circle

Inserts

Reporter gene

Promoter, - CMV enhancer/promoter (nt -760 to +3)
splice, - translational enhancer in the 5' UTR
PolyA - bovine growth hormone polyA and termination sites.

Comments sequence available

Reference

Construct number

1623

Date entered

26.8.03

Constructed by

Lorenz Poellinger's lab

Date constructed

PLASMID NAME

pCMV4-mAhR

bacterial marker Amp

eucaryotic replicon 2 μ circle

parent vector

pCMV4

bacterial plasmid

other relevant source constructs

Inserts mouse aliphatic hydrocarbon receptor (dioxin receptor)

Reporter gene

Promoter, - CMV enhancer/promoter (nt -760 to +3)
splice, - translational enhancer in the 5' UTR
PolyA - bovine growth hormone polyA and termination sites.

Comments

Reference

Construct number

1624

Date entered

26.8.03

Constructed by

Lorenz Poellinger's lab

Date constructed

PLASMID NAME

pCMV4-hAhR

bacterial marker Amp

eucaryotic replicon 2 μ circle

parent vector

pCMV4

bacterial plasmid

other relevant source constructs

Inserts human aliphatic hydrocarbon receptor (dioxin receptor)

Reporter gene

Promoter, - CMV enhancer/promoter (nt -760 to +3)
splice, - translational enhancer in the 5' UTR
PolyA - bovine growth hormone polyA and termination sites.

Comments

Reference

Construct number

1625

Date entered

26.8.03

Constructed by

Lorenz Poellinger's lab

Date constructed

PLASMID NAME

pCMV4-hArnt

bacterial marker Amp

eucaryotic replicon 2 μ circle

parent vector

pCMV4

bacterial plasmid

other relevant source constructs

Inserts

human Arnt (heterodimerization partner of AhR)

Reporter gene

Promoter,
splice,
PolyA

- CMV enhancer/promoter (nt -760 to +3)

- translational enhancer in the 5' UTR

- bovine growth hormone polyA and termination sites.

Comments

Reference

Construct number

1626

Date entered

5.9.03

Constructed by

Gordon Hager's lab

Date constructed

PLASMID NAME

pCI-nGFP-GRER3

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

GFP (S65T mutant) fused to rat glucocorticoid receptor (GR) AA 1-570 fused to the ligand binding domain of the estrogen receptor (ER) α (AA 323-595).

Note that the ligand binding domain is a chimera with helix 1 being from GR and the rest from ER.

Reporter gene

Promoter,
splice,
PolyA CMV

Comments

- this chimera is constructed by analogy to the published GR-RAR chimera (see Mackem et al. [2001] JBC 276, 45501-45504).
- details of junction enclosed.

Reference

Martinez et al. (2005) J. Steroid Biochem. Molec. Biol. 97, 307-321

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 23.9.03

Constructed by Nathalie

Date constructed 23.09.03

PLASMID NAME

pet SPBP 1459-1615

bacterial marker Amp

parent vector

pet 15b

bacterial plasmid

other relevant source constructs

Inserts fragment of SPBP from aa 1459 to aa 1615 . Fused to a his tag at the nterminus

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Gburcik et al. (2005), MCB 25: 3421

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 23.9.03

Constructed by Nathalie Bot

Date constructed 23.09.03

PLASMID NAME

pet SPBP 1459-1534

bacterial marker Amp

parent vector

pet 15b

bacterial plasmid

other relevant source constructs

Inserts fragment of SPBP from aa 1459 to aa 1534. His tag fused to the Nterminus of the fragment

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 23.9.03

Constructed by Nathalie Bot

Date constructed 23.09.03

PLASMID NAME

pet SPBP 1535-1598

bacterial marker Amp

parent vector

pet 15b

bacterial plasmid

other relevant source constructs

Inserts fragment of SPBP from aa 1535 to aa 1598. His tag fused to the Nterminus of SPBP fragment

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 23.9.03

Constructed by Nathalie Bot

Date constructed 23.09.03

PLASMID NAME

pet SPBP 1492-1591

bacterial marker Amp

parent vector

pet 15b

bacterial plasmid

other relevant source constructs

Inserts fragment of SPBP from aa 1492 to aa 1591. His tag fused at the Nterminus of the fragment

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

Date entered

24.9.03

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1632

Date entered

30.9.03

Constructed by

Morag MacLean

Date constructed

25/9/03

PLASMID NAME

pUC/GST no stop

bacterial marker Amp

parent vector

pUC18

bacterial plasmid

other relevant source constructs

pYES/GST

Inserts

Primers Fgst/Kpn and Rgst/kpn amplified 706bp product of GST from pYES/GST. This introduced Kpn1 site just before ATG and introduced a BamHI site just before the stop codon.

Reporter gene

Promoter,
splice,
PolyA

Comments Can be used for N terminal fusions.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1633

Date entered

30.9.03

Constructed by

Morag MacLean

Date constructed

25/9703

PLASMID NAME

pUC/CPR6

bacterial marker Amp

parent vector

pKS/Cyp40

bacterial plasmid

pUC18

other relevant source constructs

Inserts

CPR6 cut from pKS/Cyp40 using KpnI and BamHI and inserted into pUC18 at BamHI/KpnI

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1634

Date entered

30.9.03

Constructed by

Morag MacLean

Date constructed

25/9/03

PLASMID NAME

pRS305/Natcdc37-34

bacterial marker Amp

yeast marker LEU2

parent vector

pRS305

bacterial plasmid

other relevant source constructs

pcdc37-34/SL

Inserts

Excised SacI fragment from pCdc37-34/SL and ligated at SacI site of pRS305. This plasmid will integrate at the leu2 gene conferring LEU2+.

Reporter gene

Promoter,
splice,
PolyA cdc37 promoter

Comments

Will integrate this and select for LEU2+, and hopefully this will make cdc37-34 (with NatR marker upstream) integrate into the chromosome at the same time.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1635

Date entered

30.9.03

Constructed by

Morag MacLean

Date constructed

14.11.02

PLASMID NAME

pSP73-MCS

alternative name

pSP73-Bam

bacterial marker

Amp

parent vector

pSP73CDC37

bacterial plasmid

other relevant source constructs

Inserts

Restricted pSP73CDC37 with Xba1, which excised CDC37. Religated vector to recreate pSP73 but with KpnI, SmaI and BamHI sites removed.

Reporter gene

Promoter,
splice,
PolyA

Comments

Needed a cloning vector without BamHI.

Reference

Construct number

1636

Date entered

30.9.03

Constructed by

Date constructed

PLASMID NAME

pUC18

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments - sequence available

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.10.03

Constructed by Nathalie Bot

Date constructed 3 oct. 03

PLASMID NAME

HA SPBP 1459-1534

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pcDNA3-HA

bacterial plasmid

other relevant source constructs

Inserts HA1 tag, fused at the Nterminus of a fragment of SPBP (aa 1459-1534)

Reporter gene

Promoter, CMV promoter
splice, T7 promoter / priming site
PolyA BGH poly A sequence
f1 origine
Sp6 promoter
SV40 early origin and promoter
SV 40 early poly A signal

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1638

Date entered

3.10.03

Constructed by

Nathalie Bot

Date constructed

PLASMID NAME

HA SPBP 1535-1615

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pcDNA3-HA

bacterial plasmid

other relevant source constructs

Inserts HA 1 tag fused to the Nterminal of an SPBP fragment (aa 1535-1615)

Reporter gene

Promoter, CMV promoter
splice, T7 promoter / priming site
PolyA BGH poly A sequence
f1 origine
Sp6 promoter
SV40 early origin and promoter
SV 40 early poly A signal

Comments

Reference Gburcik et al. (2005), MCB 25: 3421

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.10.03

Constructed by Nathalie Bot

Date constructed 3 oct. 03

PLASMID NAME

HA SPBP 1492-1591

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pcDNA3-HA

bacterial plasmid

other relevant source constructs

Inserts HA1 tag fused to the Nterminus of a fragment of SPBP (aa 1492-aa 1591)

Reporter gene

Promoter, CMV promoter
splice, T7 promoter / priming site
PolyA BGH poly A sequence
f1 origine
Sp6 promoter
SV40 early origin and promoter
SV 40 early poly A signal

Comments

Reference Gburcik et al. (2005), MCB 25: 3421

DIDIER PICARD LAB, University of Geneva

Construct number

1640

Date entered

9.10.03

Constructed by

Morag MacLean

Date constructed

4/10/03

PLASMID NAME

pUC/GST-CPR6

bacterial marker

Amp

parent vector

pUC18

bacterial plasmid

other relevant source constructs

pUC/GST no stop, pKS/CyP40

Inserts

GST fused in-frame at the N-terminus of CPR6

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1641

Date entered

9.10.03

Constructed by

Morag MacLean

Date constructed

4/10/03

PLASMID NAME

pSP73/GST-CPR6

bacterial marker Amp

parent vector

pSP73

bacterial plasmid

other relevant source constructs

pUC/GST no stop, pUC/CPR6

Inserts

GST fused in-frame at the N-terminus of CPR6

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1642

Date entered

10.10.03

Constructed by

Pierre-André Briand

Date constructed

10/2003

PLASMID NAME

ER α 4xA

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

HEG0, 3xA, S167A intermediate

Inserts

human estrogen receptor α (ER) with point mutations S104A, S106A, S118A, and S167A

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference for pSG5: Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

1643

Date entered

10.10.03

Constructed by

Pierre-André Briand

Date constructed

10/2003

PLASMID NAME

HE15(S167E)

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

S167E intermediate and pSG/HE15

Inserts Human estrogen receptor α (ER) AA 1-281 with point mutant S167E.

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference for pSG5: Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

1644

Date entered

14.10.03

Constructed by

Pierre-André Briand

Date constructed

10/2003

PLASMID NAME

ER α S118-S167E

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

HEG0, 3xE, S167E intermediate

Inserts human estrogen receptor α (ER) with point mutations S118E and S167E

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference for pSG5: Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

1645

Date entered

27.10.03

Constructed by

Valentina Gburcik

Date constructed

20.10.03

PLASMID NAME

GST - Oaf1 sLBD

bacterial marker Amp

parent vector

pGEX-3

bacterial plasmid

other relevant source constructs

Inserts

Small LBD of Oaf1 inserted in pGEX-3 vector. Insert was cut as BamHI/NotI fragment from pETX-15f Oaf1 sLBD, NotI end blunted with Klenow polymerase, and then inserted in BamHI/SmaI sites of pGEX-3.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1646

Date entered

27.10.03

Constructed by

Valentina Gburcik

Date constructed

20.10.03

PLASMID NAME

GST - Pip2 sLBD

bacterial marker Amp

parent vector

pGEX-3

bacterial plasmid

other relevant source constructs

Inserts

Small LBD of Pip2 inserted in pGEX-3 vector. Insert was cut as BamHI/NotI fragment from pETX-15f Oaf1 sLBD, NotI end blunted with Klenow polymerase, and then inserted in BamHI/SmaI sites of pGEX-3.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1647

Date entered

26.11.03

Constructed by

Nathalie Bot

Date constructed

26.11.03

PLASMID NAME

pCDNA-PIP2

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pCDNA 3.1 +

bacterial plasmid

other relevant source constructs

Inserts

Pip2 ORF BHI/Sal I inserted into BHI / Xho I

Reporter gene

Promoter,
splice,
PolyA

- CMV promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 1.12.03

Constructed by Morag MacLean

Date constructed 13/11/2003

PLASMID NAME

pYes/GST.CPR6

pGST-CPR6 (E)

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYes2

bacterial plasmid

pSP73-GSTCPR6

other relevant source constructs

Inserts GST is fused at the N terminus of CPR6, to produce an inframe fusion protein.

Reporter gene

Promoter, GAL1 promoter
splice,
PolyA

Comments

Reference

Construct number

1649

Date entered

10.12.03

Constructed by

Berghard et al.

Date constructed

PLASMID NAME

pT81

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene luciferase

Promoter, TK promoter
splice,
PolyA

Comments

Reference Berghard et al. (1993), MCB vol.13, 677-689

Construct number

1650

Date entered

10.12.03

Constructed by

Berghard et al.

Date constructed

PLASMID NAME

pTX.DIR

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Two XRE sites (dioxin-responsive elements) upstream of TK promoter driving luciferase.

Reporter gene

luciferase

Promoter,
splice,
PolyA

TK promoter

Comments

Reference

Berghard et al. (1993), MCB vol.13, 677-689

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 5.1.04

Constructed by Privalsky M.

Date constructed

PLASMID NAME

pSG5-chicken TR α

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts chicken TR α

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

Reference Sande and Privalsky , Mol Endocrinology 10, 813
Yoh et al. Mol Endocrinology 11, 470

DIDIER PICARD LAB, University of Geneva

Construct number 1652

Date entered 5.1.04

Constructed by Privalsky M.

Date constructed

PLASMID NAME

pSG5-hTR β 1 E457D

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts human Thyroid receptor β 1 with mutation E457D. Transcriptionally defective mutant (cannot bind SRC-1) with preserved hormone binding. Normal interaction with N-CoR

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

Reference Sande and Privalsky , Mol Endocrinology 10, 813
Yoh et al. Mol Endocrinology 11, 470

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 5.1.04

Constructed by Privalsky M.

Date constructed

PLASMID NAME

pSG5-GAL4AD-TR α LBD

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts ligand binding domain of the thyroid receptor α fused to the gal4 activation domain . For mammalian two hybrid

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

Reference Wong and Privalsky , Mol Cel Biol 18, 5724

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 5.1.04

Constructed by Privalsky M.

Date constructed

PLASMID NAME

pSG5-GAL4AD-TRb1 LBD

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts ligand binding domain of the human thyroid receptor B1 fused to the gal4 activation domain . For mammalian two hybrid.

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

Reference Sande and Privalsky , Mol Endocrinology 10, 813
Yoh et al. Mol Endocrinology 11, 470

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 5.1.04

Constructed by Privalsky M.

Date constructed

PLASMID NAME

pSG5-GAL4AD

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

Reference Sande and Privalsky , Mol Endocrinology 10, 813
Yoh et al. Mol Endocrinology 11, 470

DIDIER PICARD LAB, University of Geneva

Construct number

1656

Date entered

5.1.04

Constructed by

Morag MacLean & Nathalie Bot

Date constructed

15.12.03

PLASMID NAME

pLG/GFPOAF1

alternative name

pGFP Oaf1

bacterial marker

Amp

yeast marker

LEU2

eucaryotic replicon

CEN/ARS

parent vector

pLG-OAF1

bacterial plasmid

other relevant source constructs

pYesFGFP-Sti1

Inserts

Inserted GFP upstream, in-frame with Oaf1. Under control of GPD promoter.
GFP is yEGFP3 version, originally PCR'd from plasmid pSVA12

Reporter gene

Promoter,
splice,
PolyA

GPD

Comments

Live yeast cells analysed by Didier & Peter, see fluorescence in the nucleus.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.1.04

Constructed by Marc Martinez Llordella

Date constructed 20.12.03

PLASMID NAME

pHCA/hhsp90 β V656M

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pHCA/hhsp90 β

bacterial plasmid

other relevant source constructs

Inserts human hsp90b sequence with mutation: 7282G>A - V656M

Reporter gene

Promoter,
splice,
PolyA GPD (constitutive)

Comments

Reference MacLean et al (2005) A yeast-based assay reveals a functional defect of the Q488H polymorphism in human Hsp90 α . BBRC 337: 133-137

Construct number

1658

Date entered

12.1.04

Constructed by

Invitrogen

Date constructed

PLASMID NAME

6014494

bacterial marker Amp

parent vector
pCMV-SPORT6
bacterial plasmid

other relevant source constructs

Inserts

human Trap1 cDNA, from oligo-dT EST library from embryonal testis carcinoma.

IMAGE clone 6014494

Reporter gene

Promoter,
splice,
PolyA CMV

Comments - sequence enclosed

Reference

Construct number

1659

Date entered

13.1.04

Constructed by

Peter Piper's lab

Date constructed

PLASMID NAME

YC-HSChHsp90 α

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

YCplac111T+hsc_prom

bacterial plasmid

other relevant source constructs

Inserts

human Hsp90 α coding region (inserted as a Sal1-Pst1 fragment containing AUG and stop codon)

Reporter gene

Promoter,
splice,
PolyA yeast *HSC82* promoter

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1660

Date entered

4.2.04

Constructed by

Pierre-André Briand

Date constructed

02/2004

PLASMID NAME

Trap1.EGFP

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEGFP-N1

bacterial plasmid

pUC

other relevant source constructs

pBluescript-TRAP1, IMAGE:6014494

Inserts

Human Trap1 fused to green fluorescent protein (GFP) mutant (F64L and S65T, and H231L) with red shift and enhanced fluorescence

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments

- Careful: this plasmid does *not* have the Amp resistance!!!
- Trap1 N-terminus is based on the ENSEMBL entry ENSG00000126602
- sequence available

Reference

Picard et al. (2006) Exp. Cell Res. 312, 3949

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.2.04

Constructed by Pierre-André Briand

Date constructed 02/2004

PLASMID NAME

ER α S104/6A

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

HEG0, S104/6A intermediate

Inserts full-length human estrogen receptor α (ER) with double point mutations S104A and S106A.

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments - expression vector replicates in COS cells.

Reference for pSG5: Green et al. (1988) NAR 16, 369.

Construct number

1662

Date entered

13.2.04

Constructed by

Sara Felts (Toft lab)

Date constructed

PLASMID NAME

Trap1mitoGFP

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEGFP-N1

bacterial plasmid

pUC

other relevant source constructs

Inserts

Human Trap1 fused to green fluorescent protein (GFP) mutant EGFP (F64L and S65T, and H231L) with red shift and enhanced fluorescence
(Trap1 cDNA cloned as EcoRI/BamHI fragment)

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments

- Careful: this plasmid does *not* have the Amp resistance!!!
- Trap1 N-terminus is according to original publication of Felts and Toft, and slightly different from ENSEMBL version, i.e. FEFRA~~MLL~~.. instead of MARELRALLL....

Reference

Construct number

1663

Date entered

13.2.04

Constructed by

Sara Felts (Toft lab)

Date constructed

PLASMID NAME

E56A Trap1mitoGFP

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEGFP-N1

bacterial plasmid

pUC

other relevant source constructs

Inserts

E56A mutant of human Trap1 fused to green fluorescent protein (GFP) mutant EGFP (F64L and S65T, and H231L) with red shift and enhanced fluorescence.

E56A is an ATPase mutant.

The aa sequence including the modified E is the following: VFIRELIS --> VFIRALIS

(Trap1 cDNA cloned as EcoRI/BamHI fragment)

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments

- Careful: this plasmid does *not* have the Amp resistance!!!
- Trap1 N-terminus is according to original publication of Felts and Toft, and slightly different from ENSEMBL version, i.e. FEFRAMLL.. instead of MARELRALLL....

Reference

Construct number

1664

Date entered

13.2.04

Constructed by

John Blenis' lab

Date constructed

PLASMID NAME

pKH3/HA-Rsk1

bacterial marker Amp

parent vector

pKH3

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts human Rsk1 (p90 ribosomal S6 kinase 1) with N-terminal triple HA1 tag

Reporter gene

Promoter, CMV enhancer/promoter
splice, splice
PolyA SV40 polyA

Comments - Rsk1 is cloned as BamHI/EcoRI fragment

Reference see in Roux et al. (2003) MCB 23, 4796.

Construct number

1665

Date entered

13.2.04

Constructed by

John Blenis' lab

Date constructed

PLASMID NAME

pKH3/HA-Rsk2

bacterial marker Amp

parent vector

pKH3

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts murine Rsk2 (p90 ribosomal S6 kinase 2) with N-terminal triple HA1 tag

Reporter gene

Promoter, CMV enhancer/promoter
splice, splice
PolyA SV40 polyA

Comments - Rsk2 is cloned as BamHI/EcoRI fragment

Reference see in Roux et al. (2003) MCB 23, 4796.

Construct number

1666

Date entered

8.3.04

Constructed by

Y. Miyata

Date constructed

PLASMID NAME

pFLAG-CMV2/Hsp90α

bacterial marker Amp

parent vector

pFlag-CMV2

bacterial plasmid

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts hsp90α

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - hGH polyA
PolyA

Comments - Hsp90 ORF is cloned in as BamHI fragment.
- sequence available

Reference

Construct number

1667

Date entered

8.3.04

Constructed by

Y. Miyata

Date constructed

PLASMID NAME

pGEX6P2/Hsp90 α (Hs)

bacterial marker Amp

parent vector

pGEX6P2

bacterial plasmid

other relevant source constructs

Inserts

GST fused to full-length human Hsp90 α

Reporter gene

Promoter,
splice,
PolyA

Ptac/lac promoter/operator system

Comments

- Hsp90 ORF is cloned in as BamHI fragment.
- sequence available
- carries lac Iq

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 11.3.04

Constructed by from Meier's lab

Date constructed

PLASMID NAME

hRXR α

bacterial marker Amp

parent vector

PSG5

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts human RXR alpha gene

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1669

Date entered

15.3.04

Constructed by

Morag MacLean

Date constructed

1/12/03

PLASMID NAME

pCdc37upstrS/S/X

bacterial marker Amp

parent vector

pSP73

bacterial plasmid

other relevant source constructs

Inserts

A 225 bp region upstream of the CDC37 gene was amplified with Fprom/sacI and Rprom/XhoI primers. The PCR product was restricted with SacI and XhoI and cloned into pSP73 at the SacI and Sall sites, destroying the Sall site.

Reporter gene

Promoter,
splice,
PolyA

Comments

First step for creating the new pSL plasmid to make the Cdc37-34 bait strain for the synthetic lethal screen.

Reference

Construct number

1670

Date entered

15.3.04

Constructed by

Novagen

Date constructed

PLASMID NAME

pRSFDuet-1

bacterial marker Kan

parent vector

bacterial plasmid
relatively high copy
other relevant source constructs

Inserts Two T7/lac operator units with different polylinker for bacterial expression of two ORFs in same cell.

Reporter gene

Promoter,
splice,
PolyA T7 promoter - lac operator

Comments - for sequence: see novagen.com
- carries RSF replicon, compatible with ColE1 plasmids in same strain.
- also carries lacI gene.

Reference

Construct number

1671

Date entered

15.3.04

Constructed by

Novagen

Date constructed

PLASMID NAME

pETDuet-1

bacterial marker Amp

parent vector

pET

bacterial plasmid

other relevant source constructs

Inserts

Two T7/lac operator units with different polylinker for bacterial expression of two ORFs in same cell.

Reporter gene

Promoter,
splice,
PolyA

T7 promoter - lac operator

Comments

- for sequence: see novagen.com
- carries ColE1 replicon.
- also carries lacI gene.
- low copy number plasmid

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 15.3.04

Constructed by Morag MacLean

Date constructed 15/12/03

PLASMID NAME

pSP73/upstr/Nat(S/X)

bacterial marker Amp

parent vector

pSP73

bacterial plasmid

other relevant source constructs

pCdc37upstrS/S/X
ycplac/Nat/cdc37-34

Inserts

The 225bp insert from pCdc37upstreS/S/X was excised with SacI and XhoI, and the 1.1 kb insert of NatI gene was excised with Sall and HindIII. The two fragments were ligated into pSP73 at SacI and HindIII sites.

Reporter gene

Promoter,
splice,
PolyA

Comments Next step in creating new pSL plasmid to make the Cdc37-34 bait strain for the synthetic lethal screen

Reference

Construct number

1673

Date entered

15.3.04

Constructed by

Novagen

Date constructed

PLASMID NAME

pCDFDuet-1

bacterial marker Spect./Strept.

parent vector

bacterial plasmid

other relevant source constructs

Inserts Two T7/lac operator units with different polylinker for bacterial expression of two ORFs in same cell.

Reporter gene

Promoter, T7 promoter - lac operator
splice,
PolyA

Comments - for sequence: see novagen.com
- carries CDF replicon, compatible with ColE1 plasmids in same strain.
- also carries lacI gene.
- note unusual antibiotics resistance (Sm)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1672

Date entered

15.3.04

Constructed by

Morag MacLean

Date constructed

1/12/03

PLASMID NAME

pCdc37upstrS/X

bacterial marker Amp

parent vector

pSP73

bacterial plasmid

other relevant source constructs

Inserts

A 225 bp region upstream of the CDC37 gene was amplified with Fprom/sacI and Rprom/XhoI primers. The PCR product was restricted with SacI and XhoI and cloned into pSP73 at the SacI and XhoI sites.

Reporter gene

Promoter,
splice,
PolyA

Comments

First step for creating the new pSL plasmid to make the Cdc37-34 bait strain for the synthetic lethal screen.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 15.3.04

Constructed by Morag MacLean

Date constructed 15/12/03

PLASMID NAME

pSP73/upstr/Nat(Pst)

bacterial marker Amp

parent vector

pSP73

bacterial plasmid

other relevant source constructs

pCdc37upstrS/S/X
ycplac/Nat/cdc37-34

Inserts

The 225bp insert from pCdc37upstreS/S/X was excised with SacI and PstI, and the 0.9 kb insert of NatI gene was excised with PstI and HindIII. The two fragments were ligated into pSP73 at SacI and HindIII sites.

Reporter gene

Promoter,
splice,
PolyA

Comments Next step in creating new pSL plasmid to make the Cdc37-34 bait strain for the synthetic lethal screen

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 15.3.04

Constructed by Morag MacLean

Date constructed 17/2/04

PLASMID NAME

new pSL3

bacterial marker Amp

parent vector

pSP73

bacterial plasmid

other relevant source constructs

pSP73/upstr/Nat(Pst)
ycplac/Nat/cdc37-34

Inserts

The 1.13 kb SacI/HindIII insert from pSP73/upstr/Nat(Pst) containing the CDC37 upstream region and the NatI gene was ligated with the 1.8 kb SacI/HindIII insert of cdc37-34 from ycplac/Nat/cdc37-34 into pSP73 at SacI

The NatI resistance gene is sandwiched between a 225 bp region upstream of CDC37 and cdc37-34 gene. So can integrate into chromosome by homologous recombination, replacing wild-type CDC37, conferring NatI resistance.

Reporter gene

Promoter,
splice,
PolyA

Comments This creates a plasmid to make the cdc37-34 bait strain for the synthetic lethal screen. This recombination should not affect the TAF10 gene upstream from CDC37!!!

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1677

Date entered

16.3.04

Constructed by

Marc Martinez Llordella

Date constructed

1.3.04

PLASMID NAME

YC-hHsp90 α -Q488H

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

YC-HSChHsp90 α

bacterial plasmid

other relevant source constructs

Inserts

human Hsp90 α coding region (inserted as a Sall - PstI fragment containing AUG and stop codon) with point mutation Q488H

Reporter gene

Promoter,
splice,
PolyA yeast HSC82 promoter

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1679

Date entered

16.3.04

Constructed by

Marc Martinez Llordella

Date constructed

1.03.04

PLASMID NAME

pEGFP-GRER-G400V

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEGFP-C1

bacterial plasmid

other relevant source constructs

VALR, pCI-nGFP-GRER3, GAL93.ER(V)

Inserts

GFP (F64L and S65T mutant) fused to glucocorticoid receptor (GR) AA 4-570 fused to the ligand binding domain of the estrogen receptor α (hER) with point mutation G400V

Note that the chimera is a swap beyond or within the end of helix 1 being from GR and the rest from ER.

Reporter gene

Promoter, - CMV enhancer and promotor
splice,
PolyA - SV40 poly A

Comments

Reference

Construct number

1680

Date entered

16.3.04

Constructed by

Corinne Michels lab

Date constructed

PLASMID NAME

pMAL63

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

YCp50

bacterial plasmid

other relevant source constructs

Inserts

The BamHI-Sall fragment carrying MAL63 on its native promoter was subcloned into YCp50. Should complement the defective chromosomal copies of the MAL activator genes

Reporter gene

Promoter,
splice,
PolyA

Comments

MAL1 and MAL3 loci are naturally defective in some strains (including W303), but maltose permease and maltase genes are fine. So need to provide the MAL activator gene, MAL63, so that cells can ferment maltose.

Reference

Bali et al (2003) The Hsp90 molecular chaperone complex regulates maltose induction and stability of the Saccharomyces MAL gene transcription activator Mal63p. Jour Biol Chem 278: 47441-47448

Construct number

1681

Date entered

16.3.04

Constructed by

Corinne Michels lab

Date constructed

PLASMID NAME

pUN30-MAL63

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Should complement the defective chromosomal copies of the MAL activator genes
Presume the BamHI-Sall fragment carrying MAL63 on its native promoter was subcloned from pMAL63 into a new TRP1 parent vector, but Michels lab gave no details.

Reporter gene

Promoter,
splice,
PolyA

Comments

MAL1 and MAL3 loci are naturally defective in some strains (including W303), but maltose permease and maltase genes are fine. So need to provide the MAL activator gene, MAL63, so that cells can ferment maltose.

Reference

Bali et al (2003) The Hsp90 molecular chaperone complex regulates maltose induction and stability of the Saccharomyces MAL gene transcription activator Mal63p. Jour Biol Chem 278: 47441-47448

Construct number

1682

Date entered

16.3.04

Constructed by

Corinne Michel's lab

Date constructed

PLASMID NAME

pUN90-MAL63

bacterial marker Amp

yeast marker HIS3

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Should complement the defective chromosomal copies of the MAL activator genes
Presume the BamHI-Sall fragment carrying MAL63 on its native promoter was subcloned from pMAL63 into a new HIS3 parent vector, but Michels lab gave no details.

Reporter gene

Promoter,
splice,
PolyA

Comments

MAL1 and MAL3 loci are naturally defective in some strains (including W303), but maltose permease and maltase genes are fine. So need to provide the MAL activator gene, MAL63, so that cells can ferment maltose.

Reference

Bali et al (2003) The Hsp90 molecular chaperone complex regulates maltose induction and stability of the Saccharomyces MAL gene transcription activator Mal63p. Jour Biol Chem 278: 47441-47448

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.3.04

Constructed by Nathalie

Date constructed 18.3.04

PLASMID NAME

gal93-hTR β LBD

bacterial marker Amp

parent vector
pSCTEV gal93-LFO
bacterial plasmid

other relevant source constructs

Inserts ligand binding domain of the human thyroide receptor b1 (aa 232-461)

Reporter gene

Promoter, CMV enhancer promoter
splice, T7 RNA polymerase promoter
PolyA rabbit B-globin IVS2 and poly A

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.3.04

Constructed by Nathalie Bot

Date constructed 18.3.04

PLASMID NAME

HA-hSPBP (1-1458)

bacterial marker Amp

parent vector

pcDNA3.1

bacterial plasmid

other relevant source constructs

Inserts human SPBP truncated at the cterminus and fused at the nterminus to HA tag . No DNA binding domain and Zinc fingers

Reporter gene

Promoter, CMV early promoter
splice, T7 promoter
PolyA BGH poly A signal

Comments

Reference Gburcik et al. (2005), MCB 25: 3421

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.3.04

Constructed by Nathalie Bot

Date constructed 18.3.04

PLASMID NAME

HA-hSPBP (1-606)

bacterial marker Amp

parent vector

pcDNA3.1

bacterial plasmid

other relevant source constructs

Inserts Nterminal part of human SPBP fused to HA (nterminus)

Reporter gene

Promoter, CMV early promoter
splice, T7 promoter
PolyA BGH polyA signal

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.3.04

Constructed by Nathalie Bot

Date constructed 30.3.04

PLASMID NAME

gal93-OAF-1 AD

bacterial marker Amp

parent vector
pSCTEV gal93-LF0
bacterial plasmid

other relevant source constructs

Inserts Cterminus of OAF-1 (aa 808 - 1062) encompassing the activation domain, fused at the Nterminus to gal 93

Reporter gene

Promoter, CMV enhancer / promoter
splice, T7 RNA polymerase promoter
PolyA rabbit B-globin IVS2 and poly A

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 1687

Date entered 7.4.04

Constructed by Pierre-André Briand

Date constructed 04.2004

PLASMID NAME

pHG/OAF1

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313/GPD-PGK

bacterial plasmid

other relevant source constructs

pLG-Oaf1

Inserts Full-length Oaf1 coding sequence inserted as BamHI-Sal1 fragment

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase (GPD) promoter,
termination and polyA sites from 3-phosphoglycerate kinase (PGK)

Comments

Reference Phelps et al. (2006) PNAS 103, 7077

DIDIER PICARD LAB, University of Geneva

Construct number

1688

Date entered

7.4.04

Constructed by

Pierre-André Briand

Date constructed

04.2004

PLASMID NAME

pET/Oaf1bLBD

bacterial marker Amp

parent vector

pET15b

bacterial plasmid

pBR322

other relevant source constructs

Gal93-Oaf1-BLBD

Inserts

"big" ligand binding domain (LBD) of Oaf1, AA 98-713.

Preceded by AUG - His6 tag - thrombin cut site

Reporter gene

Promoter, T7 promoter and T7 transcription terminator
splice,
PolyA

Comments - Plasmid carries lacI gene.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 1689

Date entered 7.4.04

Constructed by Pierre-André Briand

Date constructed 04.2004

PLASMID NAME

pET/Trx.Oaf1sLBD

bacterial marker Amp

parent vector
pET-32Ek/LIC
bacterial plasmid

other relevant source constructs
Gal93-Oaf1-sLBD

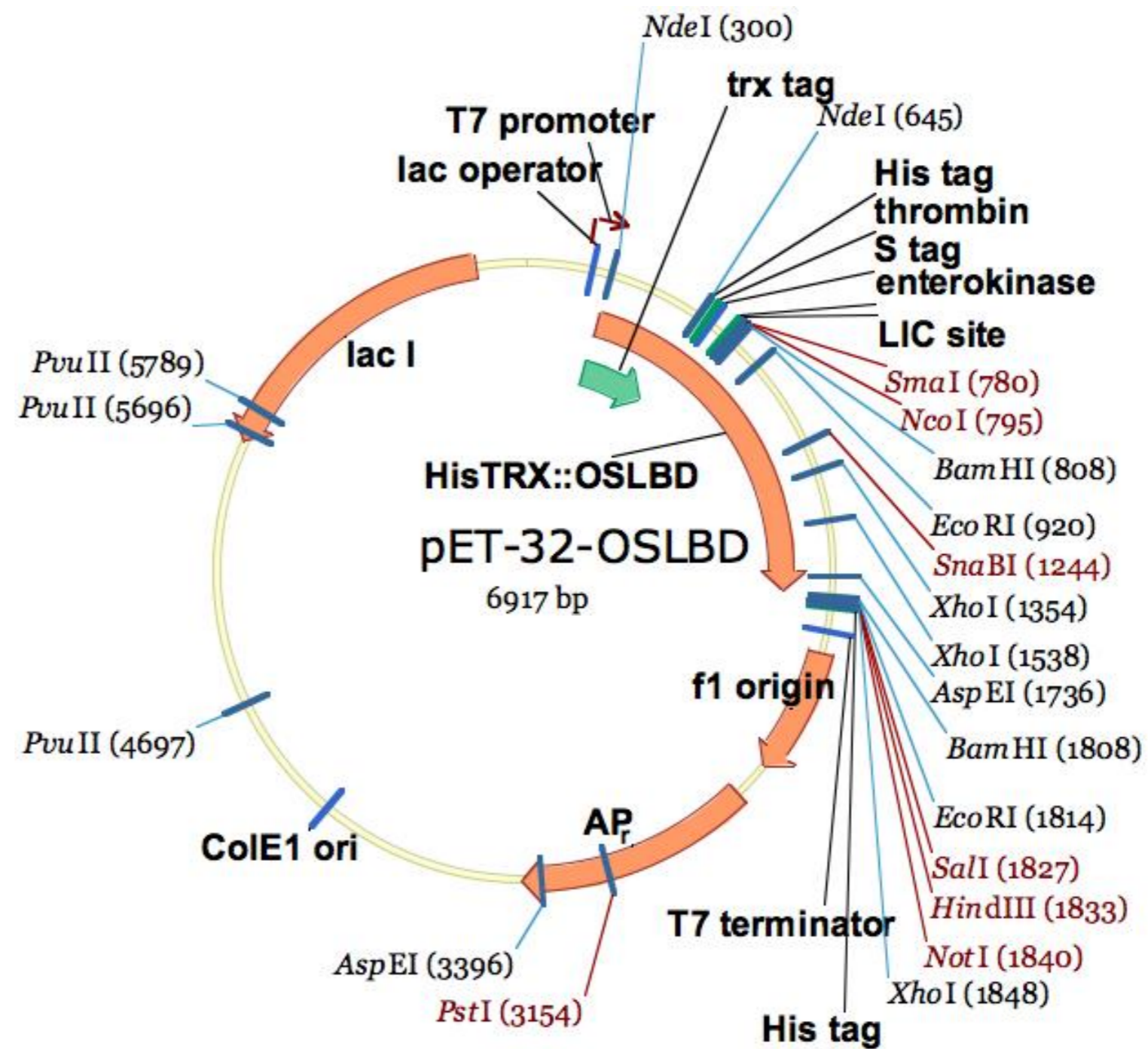
Inserts "small" Oaf1 ligand binding domain (LBD) (AA 244-573) preceded by Thioredoxin (105 AAs) - His6 tag - thrombin cut site - S-tag - LIC site

Reporter gene

Promoter, splice, PolyA
T7 promoter, lac operator

Comments
- for expression of mentioned fusion protein in E. coli
- seq and map entered by Fedor
- only has the His6 tag between Trx and Oaf1, not the C-terminal one.

Reference Phelps et al. (2006) PNAS 103, 7077



DIDIER PICARD LAB, University of Geneva

Construct number

1690

Date entered

7.4.04

Constructed by

Pierre-André Briand

Date constructed

04.2004

PLASMID NAME

pRSFD/Oaf1-Pip2

bacterial marker Kan

parent vector

pRSFDuet-1

bacterial plasmid

relatively high copy

other relevant source constructs

pETX-15fPip2sLBD, Gal93-Oaf1-sLBD

Inserts

Oaf1 and Pip2 small ligand binding domains (LBDs) in separate T7-based transcription units for coordinate bacterial expression.

Only Oaf1 has an N-terminal His6 tag. Pip2 has no tag at all.

Reporter gene

Promoter, T7 promoter - lac operator
splice,
PolyA

Comments

- carries RSF replicon, compatible with ColE1 plasmids in same strain.
- also carries lacI gene.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.4.04

Constructed by Nathalie Bot

Date constructed 8.4.04

PLASMID NAME

Gal93 OAF-1 del (713 - 863)

bacterial marker Amp

parent vector
pSCTEV gal 93-LF0
bacterial plasmid

other relevant source constructs

Inserts OAF-1 gene fused at the Nterminal to Gal 4 DBD.
OAF-1 gene has an internal deletion of 150 aa (aa 713- 863)

Reporter gene

Promoter, CMV enhancer/ promoter
splice, T7 RNA polymerase promoter
PolyA rabbit B-globin IV S2 and poly A

Comments

Reference

Construct number

1692

Date entered

19.4.04

Constructed by

Piia Leskinen

Date constructed

PLASMID NAME

pRS316Gal1luc

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

other relevant source constructs

pRS316

Inserts

I don't think the luc insert is the same as the sequence attached. The Cterm is deleted for the last 46 amino acids and so stop codon may be gone too!!! Needs to be checked - Morag

Reporter gene

luciferase

Promoter,
splice,
PolyA

- Gal10-Gal1 bidirectional promoter region
- PGK terminator

Comments

- firefly luciferase lacking peroxisomal targeting sequence.
- sequence available

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 26.4.04

Constructed by

Date constructed

PLASMID NAME

pM-Gal4- mTR α 1

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts mouse thyroid receptor a 1 full length fused to DBD of GAL 4.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1694

Date entered

26.4.04

Constructed by

Date constructed

PLASMID NAME

pBIRD- mTR α 1 (L 400 R)

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts mouse thyroid receptor α 1 full length mutated at aa 400 (L-R) .

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1695

Date entered

26.4.04

Constructed by

Date constructed

PLASMID NAME

pGL2 DR4 SV40 luc

bacterial marker

parent vector

pGL2

bacterial plasmid

other relevant source constructs

Inserts

reporter plasmid that has a thyroid hormone response element DR4 , a promoter SV40 upstream of a reporter luciferase gene

Reporter gene

luciferase

Promoter,
splice,
PolyA

SV40

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1696

Date entered

26.4.04

Constructed by

Date constructed

PLASMID NAME

pSG5 - hTR α 1

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

human thyroid receptor a 1 full length , inserted in BH1 site of pSG5

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 27.4.04

Constructed by Nathalie Bot

Date constructed 27.04.04

PLASMID NAME

His - SPBP (1535 - 1615)

bacterial marker Amp

parent vector

pet15b

bacterial plasmid

other relevant source constructs

Inserts SPBP part from aa 1535 - 1615 fused to his nterminal tag.
For bacterial expression

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Gburcik et al. (2005), MCB 25: 3421

DIDIER PICARD LAB, University of Geneva

Construct number

1698

Date entered

29.4.04

Constructed by

Pierre-André Briand

Date constructed

05.2004

PLASMID NAME

pET/Trx.Pip2sLBD

bacterial marker Amp

parent vector

pET-32Ek/LIC

bacterial plasmid

other relevant source constructs

pETX-15f Pip2 sLBD

Inserts

"small" Pip2 ligand binding domain (LBD) (AA 180-507) preceded by Thioredoxin (105 AAs) - His6 tag - thrombin cut site - S-tag - LIC site.

There are two His6 tags: one between thioredoxin and Pip2 and another one at the very C-terminus.

Reporter gene

Promoter, T7 promoter, lac operator
splice,
PolyA

Comments - for expression of mentioned fusion protein in E. coli

Reference Phelps et al. (2006) PNAS 103, 7077

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.4.04

Constructed by Nathalie Bot

Date constructed 29. 04.04

PLASMID NAME

HA SPBP (aa1- 1833)

bacterial marker Amp

parent vector

pCDNA 3.1

bacterial plasmid

other relevant source constructs

Inserts HA tag at the N-terminus of SPBP .
SPBP truncation protein missing the very C-terminus .

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Gburcik et al. (2005), MCB 25: 3421

Construct number

1700

Date entered

11.5.04

Constructed by

stratagene

Date constructed

PLASMID NAME

pCMV-AD

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts NF-kB activation domain (709 - 1266) fused to SV40 nuclear localization signal

Reporter gene

Promoter, CMV promoter
splice, T3 , T7 promoters
PolyA SV40 polyA signal

Comments - sequence available

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1701

Date entered

18.5.04

Constructed by

Marc Martinez Llordella

Date constructed

10.5.04

PLASMID NAME

pRS313/Hsp90 α

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313/GPD-PGK

bacterial plasmid

Bluescript

other relevant source constructs

pFlag-CMV2/Hsp90 α (Hs)

Inserts human Hsp90 α cDNA

Reporter gene

Promoter,
splice,
PolyA GPD promoter and PGK terminator

Comments - low copy number yeast expression vector
- sequence available

Reference MacLean et al (2005) A yeast-based assay reveals a functional defect of the Q488H polymorphism in human Hsp90 α . BBRC 337: 133-137

DIDIER PICARD LAB, University of Geneva

Construct number

1702

Date entered

18.5.04

Constructed by

Marc Martinez Llordella

Date constructed

10.5.04

PLASMID NAME

pRS313/Hsp90 α -Q488H

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313/GPD-PGK

bacterial plasmid

Bluescript

other relevant source constructs

YC-hHsp90 α -Q488H

Inserts human Hsp90 α coding region with point mutation Q488H

Reporter gene

Promoter,
splice,
PolyA GPD promoter and PGK terminator

Comments low copy number yeast expression vector

Reference MacLean et al (2005) A yeast-based assay reveals a functional defect of the Q488H polymorphism in human Hsp90 α . BBRC 337: 133-137

Construct number

1703

Date entered

21.5.04

Constructed by

Ronald J. Weigel (via M. Maggiolini)

Date constructed

PLASMID NAME

Δ

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pBK-CMV

bacterial plasmid

pUC

other relevant source constructs

Inserts human GPR30 cDNA

Reporter gene

Promoter, - CMV
splice, - SV40 polyA
PolyA

Comments structure of plasmid not clear -> guessed parent vector based on Carmeci et al. -> see enclosed sequence information

Reference Carmeci et al. (1997) Genomics 45, 607

Construct number

1704

Date entered

4.6.04

Constructed by

IMAGE clone from RZPD

Date constructed

PLASMID NAME

pCMV/MNAR

bacterial marker Amp

parent vector
pCMV-SPORT6
bacterial plasmid
pUC?
other relevant source constructs

Inserts human MNAR (=PELP1), full-length cDNA

Reporter gene

Promoter, - CMV enhancer/promoter - SP6
splice, - SV40 polyA signal
PolyA

Comments - full-length IMAGE clone, accession number is BC069058 or IMAGE:6068755, and RZPD Clone ID is IRAKp961G06140Q
- sequence verified -> cDNA exactly as in Genbank and inserted as shown on enclosed map.

Reference

Construct number

1705

Date entered

21.6.04

Constructed by

Giulio Superti-Furga

Date constructed

PLASMID NAME

pAU-CSK

bacterial marker Amp

yeast marker URA4

eucaryotic replicon ARS1

parent vector

pAU

bacterial plasmid

pUC118

other relevant source constructs

Inserts human C-terminal Src kinase (CSK)

Reporter gene

Promoter,
splice,
PolyA S. pombe ADH1 promoter

Comments Note that this is a S. pombe vector

Reference

Construct number

1706

Date entered

21.6.04

Constructed by

Giulio Superti-Furga

Date constructed

PLASMID NAME

pRSP-c-Src

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon ARS1

parent vector

pRSP

bacterial plasmid

pUC119

other relevant source constructs

Inserts chicken c-Src

Reporter gene

Promoter,
splice,
PolyA S. pombe NMT1 promoter

Comments Note that this is a S. pombe vector. NMT1 promoter is thiamine-repressible.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1707

Date entered

1.7.04

Constructed by

Marc Martinez Llordella

Date constructed

16.6.04

PLASMID NAME

pRS313/Hsp90 α - Δ 35

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313/Hsp90 α

bacterial plasmid

Bluescript

other relevant source constructs

pRS313/GPD-PGK
pFlag-CMV2/Hsp90 α (Hs)

Inserts human Hsp90 α cDNA with deletion of the last 35 aa

Reporter gene

Promoter,
splice,
PolyA GPD promotor and PGK terminator

Comments Low copy number yeast expression vector

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.7.04

Constructed by Morag MacLean

Date constructed 21/4/04

PLASMID NAME

pBluescript/GFP

bacterial marker Amp

parent vector
pBluescript
bacterial plasmid

other relevant source constructs
pSVA12

Inserts Amplified GFP from pSVA12 using primers GFP-ct-XhoI and GFPBamF generating XhoI and BamHI sites
Cloned amplified GFP into pBluescript at XhoI and BamHI sites

Reporter gene

Promoter,
splice,
PolyA

Comments Made for inframe cloning to Ct of OAFI, deleting OAFI stop codon to make fusion protein.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.7.04

Constructed by Morag MacLean

Date constructed 21/4/04

PLASMID NAME

pUC18/CtOAF1

bacterial marker Amp

parent vector

pUC18

bacterial plasmid

other relevant source constructs

pLG-OAF1

Inserts

Amplified 0.8 kb Ct of OAF1 from pLG-OAF1 using primers OAF1-Ndel-sens and OAF1-Ct-BH1 generating NdeI and BamHI sites. Cloned amplified OAF1Ct into pUC18 at NdeI and BamHI sites, note NdeI is not in the MCS so the M13 forward sequencing primer annealing site is deleted!!!

Reporter gene

Promoter,
splice,
PolyA

Comments Made for inframe cloning of Ct of OAF1 to GFP, deleting OAF1 stop codon to make fusion protein.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1710

Date entered

6.7.04

Constructed by

Morag MacLean

Date constructed

21/6/04

PLASMID NAME

pSP73/CtOAF1GFP

bacterial marker Amp

parent vector

pSP73

bacterial plasmid

other relevant source constructs

pBluescript/GFP, pUC18/CtOAF1

Inserts

Excised 0.8 kb NdeI/BamHI Ct frag of OAF1 and 0.7 kb BamHI/XhoI GFP and cloned into pSP73 at NdeI/XhoI

Have cloned inframe Ct of OAF1 to GFP, deleting OAF1 stop codon to make fusion protein.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.7.04

Constructed by Morag MacLean

Date constructed 30/6/04

PLASMID NAME

pLG-OAF1GFP

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

pLG-OAF1

bacterial plasmid

other relevant source constructs

pSP73/CtOAF1GFP

Inserts Excised 1.2 kb NsiI/XhoI insert from pSP73/CtOAF1GFP and cloned into pLG-OAF1 at NsiI/Sal1 (replacing the 0.6kb wt Ct of OAF1).

Reporter gene

Promoter,
splice,
PolyA glyceraldehyde-3-phosphate dehydrogenase (GPD) promoter,
termination and polyA sites from 3-phosphoglycerate kinase (PGK)

Comments Can see expression of fluorescent protein, localises to the nucleus.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.7.04

Constructed by Nathalie Bot

Date constructed

PLASMID NAME

Pip2 slbd AD

bacterial marker Amp

parent vector
pCMV-AD (stratagene)
bacterial plasmid

other relevant source constructs

Inserts Small ligand binding domain of Pip2 (aa 180 to aa 507) fused to the activation domain of NF-kB.

Reporter gene

Promoter, CMV promoter
splice, T3 promoter
PolyA SV40 NLS
SV40 poly A signal
T7 promoter

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.7.04

Constructed by Nathalie Bot

Date constructed

PLASMID NAME

TR β 1 LBD AD

bacterial marker Amp

parent vector
pCMV-AD (stratagene)
bacterial plasmid

other relevant source constructs

Inserts Ligand binding domain of TR β 1 (aa 202 to aa 461) fused to the activation domain of NF- κ B

Reporter gene

Promoter, CMV promoter
splice, T3 promoter
PolyA T7 promoter
SV40 poly signal
SV 40 NLS

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.7.04

Constructed by Nathalie Bot

Date constructed

PLASMID NAME

SPBP Nt- Δ

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pCDNA 3.1

bacterial plasmid

other relevant source constructs

Inserts SPBP fused to HA tag at the Nterminus and missing it's first 442 aa.

Reporter gene

Promoter, CMV promoter
splice, SV 40 poly A signal
PolyA T7 promoter

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 21.7.04

Constructed by Nathalie Bot

Date constructed

PLASMID NAME

pet SPBP (aa 1574 - 1615)

bacterial marker Amp

parent vector
pET-15b (Novagen)

bacterial plasmid

other relevant source constructs

Inserts SPBP aa 1574 to aa 1615 fused to a his tag on his Nterminal end. It also has a thrombin site in between the his tag and the SPBP. Meant to be expressed in bacteria

Reporter gene

Promoter, T7 promoter
splice, T7 transcription start
PolyA T7 terminator
Lac I coding sequence
His-tag coding sequence
bla coding sequence
pBR322 origin

Comments

Reference Gburcik et al. (2005), MCB 25: 3421

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 26.7.04

Constructed by Nathalie Bot

Date constructed

PLASMID NAME

Pip2 / AD

bacterial marker Amp

parent vector

pCMV-AD

bacterial plasmid

other relevant source constructs

Inserts full length Pip2 fused to NF-kB activation domain

Reporter gene

Promoter, CMV
splice, T7
PolyA T3
SV40 NLS
SV40 poly A

Comments

Reference

Construct number

1717

Date entered

1.9.04

Constructed by

from rzpd.de

Date constructed

PLASMID NAME

BE533777

Rzpd ID

IMAGp998A098775Q3

bacterial marker Amp

parent vector
pCMV-SPORT6

bacterial plasmid

pUC

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts mouse GPR30 partial cDNA(the first 420 pb of the ORF are missing)

Reporter gene

Promoter,
splice,
PolyA CMV

Comments - also called IMAGE:359681
- partial sequence available
- cDNA cloned in as follows: RE3' : NotI, RE5' : Sall

Reference

Construct number

1718

Date entered

1.9.04

Constructed by

from rzpd.de

Date constructed

PLASMID NAME

IMAGE:4799755

rzpd ID

IRATp970G0822D6

bacterial marker Amp

parent vector

pBluescriptR

bacterial plasmid

pUC

other relevant source constructs

Inserts complete cDNA of human angiotensin II receptor type 1

Reporter gene

Promoter, T7 and T3
splice,
PolyA

Comments - sequence available

- cDNA cloned as follows: RE3' : BamHI, RE5' : Sall-XhoI

Reference

Construct number

1719

Date entered

1.9.04

Constructed by

from ATCC

Date constructed

PLASMID NAME

MGC-28702

Image ID

4242394

bacterial marker Amp

parent vector
pCMV-SPORT6

bacterial plasmid

pUC

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts complete cDNA of mouse Trap1

Reporter gene

Promoter, CMV
splice,
PolyA

Comments - sequence available
- cDNA made with oligo dT priming.
- name is ATCC ID

Reference

Construct number

1720

Date entered

1.9.04

Constructed by

from ATCC

Date constructed

PLASMID NAME

MGC-5681

Image ID

3489418

bacterial marker Amp

parent vector
pCMV-SPORT6

bacterial plasmid
pUC

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts cDNA with complete coding region of mouse p23

Reporter gene

Promoter, CMV
splice,
PolyA

Comments - sequence available
- cDNA made with oligo dT priming.
- name is ATCC ID.

Reference

Construct number

1721

Date entered

1.9.04

Constructed by

from ATCC

Date constructed

PLASMID NAME

9128705

Image ID

6491307

bacterial marker Amp

parent vector
pCMV-SPORT6

bacterial plasmid

pUC

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts mouse Hsp90 α cDNA

Reporter gene

Promoter, CMV
splice,
PolyA

Comments

- cDNA made with oligo dT priming, cloned between Not1 and Sal1
- name is ATCC ID

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.9.04

Constructed by Iwona Grad

Date constructed

PLASMID NAME

gal93 cAKT

bacterial marker Amp

parent vector

HA-c-akt

bacterial plasmid

other relevant source constructs

Inserts mouse c AKT (PKB) fused at its Nt to gal 4 DBD.

Reporter gene

Promoter, CMV, T7
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.9.04

Constructed by Iwona Grad

Date constructed

PLASMID NAME

gal 93 PKA

bacterial marker Amp

parent vector
pC7/PKA
bacterial plasmid

other relevant source constructs

Inserts mouse PKA (subunit a) fused to gal 4 DBD

Reporter gene

Promoter,
splice,
PolyA CMV , T7

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 15.9.04

Constructed by Iwona Grad

Date constructed

PLASMID NAME

gal93 hRsk1

bacterial marker Amp

parent vector

Gal93-LF0

bacterial plasmid

other relevant source constructs

Inserts human rsk1 fused to Gal4 DBD

Reporter gene

Promoter,
splice,
PolyA CMV , T7

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1725

Date entered

20.9.04

Constructed by

Morag MacLean

Date constructed

8.9.04

PLASMID NAME

pFUS1prom

bacterial marker Amp

yeast marker

parent vector

pSB234

bacterial plasmid

pUC18

other relevant source constructs

Inserts

0.5 kb of FUS1 promoter amplified with F/FusP/EcoRI and R/FusP/XbaI primers from pSB234 template. Cloned into pUC18 at EcoRI and XbaI sites.

Reporter gene

Promoter,
splice,
PolyA

FUS1

Comments

Made for insertion upstream of Luc1 gene, to make a reporter plasmid for yeast.
Checked sequence, is right.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1726

Date entered

20.9.04

Constructed by

Morag MacLean

Date constructed

2/9/04

PLASMID NAME

pG1/GPR30

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pG1

bacterial plasmid

other relevant source constructs

Inserts

Amplified just the ORF (1128 bp) of human gpr30 from vector pCMV-GPR30 (no.1703) with F/gpr30Bam and R/gpr30Bam, inserting BamHI sites either end of ATG and stop codons. Cloned into pG1 at BamHI site

Reporter gene

Promoter,
splice,
PolyA GPD promoter and PGK terminator

Comments For overexpression of human GPR30 in yeast

Reference

Construct number

1727

Date entered

22.9.04

Constructed by

Invitrogen

Date constructed

PLASMID NAME

pYC2/CT

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

pUC

other relevant source constructs

Inserts

Reporter gene

Promoter, - GAL1 promoter
splice, - T7 promoter
PolyA - CYC1 termination signal

Comments - allows galactose-inducible expression of proteins with C-terminal V5 epitope and His6 tag
- sequence available

Reference

Construct number

1728

Date entered

24.9.04

Constructed by

INVITROGEN

Date constructed

22.9.04

PLASMID NAME

pYC2/LacZ

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA recieved from INVITROGEN

Comments

Reference

Construct number

1729

Date entered

24.9.04

Constructed by

Susan Gasser Lab.

Date constructed

PLASMID NAME

pFA6a-13myc-kanMX6

bacterial marker Amp

parent vector

bacterial plasmid

yeast marker kanMX6

other relevant source constructs

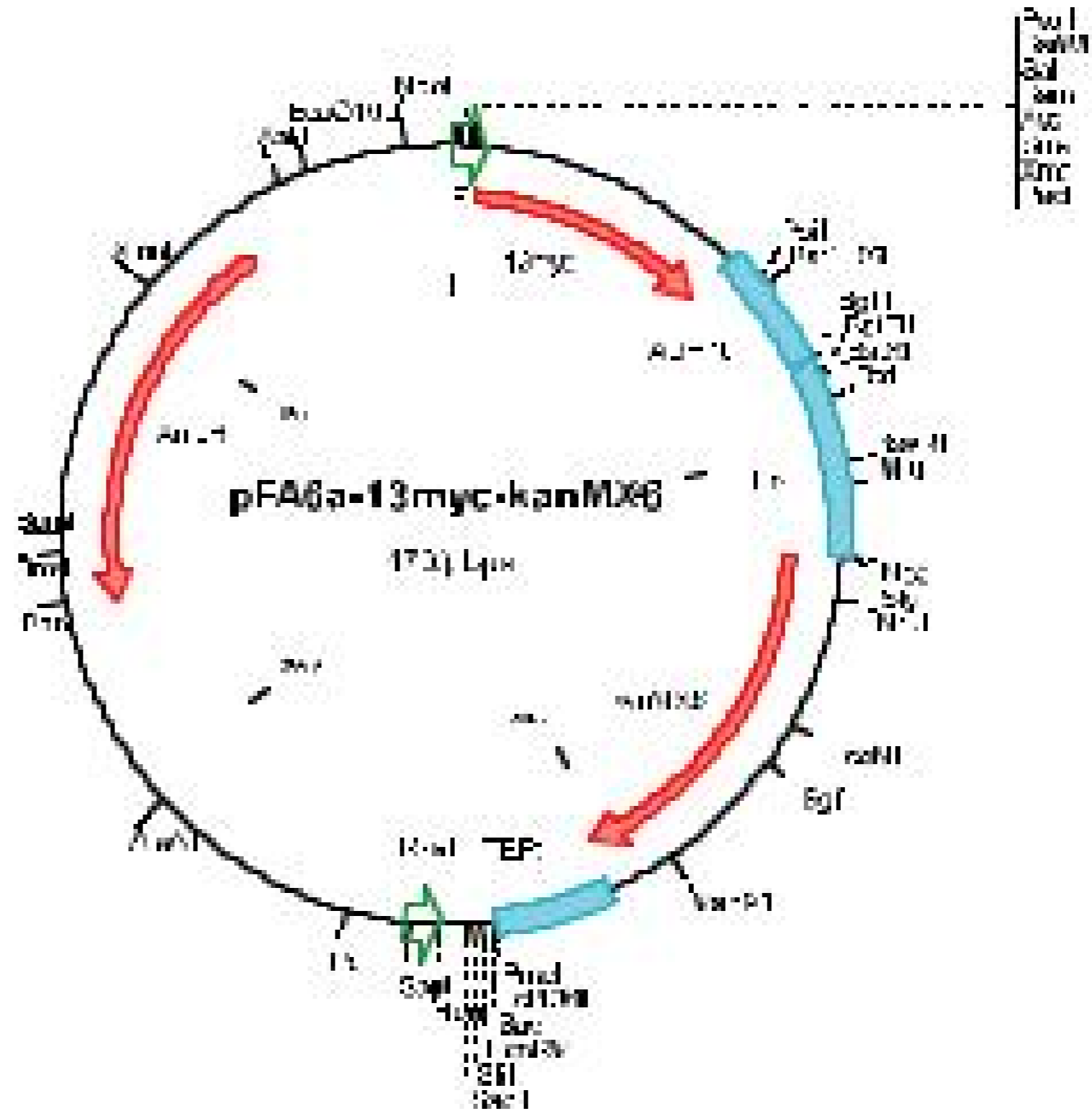
Inserts 13x cMyc tag - integrative vector

Reporter gene

Promoter, splice, PolyA

Comments

Reference



Construct number

1730

Date entered

24.9.04

Constructed by

Susan Gasser Lab.

Date constructed

PLASMID NAME

pFA6a-3HA-His3MX6

bacterial marker Amp

parent vector

yeast marker His3MX6

bacterial plasmid

other relevant source constructs

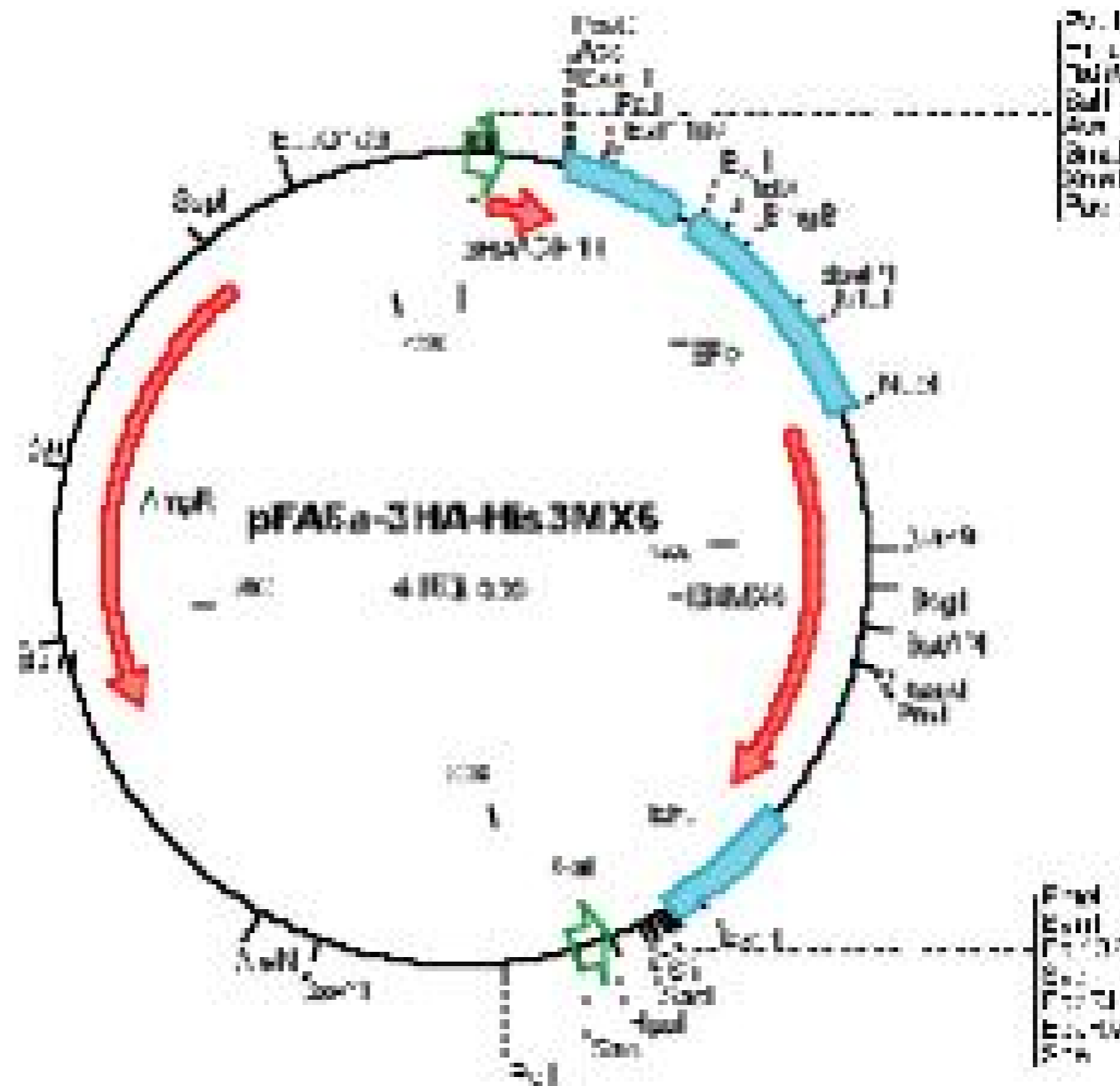
Inserts 3x HA(flu) tag - integrative vector

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference



Construct number

1731

Date entered

24.9.04

Constructed by

Susan Gasser Lab.

Date constructed

PLASMID NAME

pYM3-6HA-kITRP1

bacterial marker Amp

parent vector

bacterial plasmid

yeast marker kITRP1

other relevant source constructs

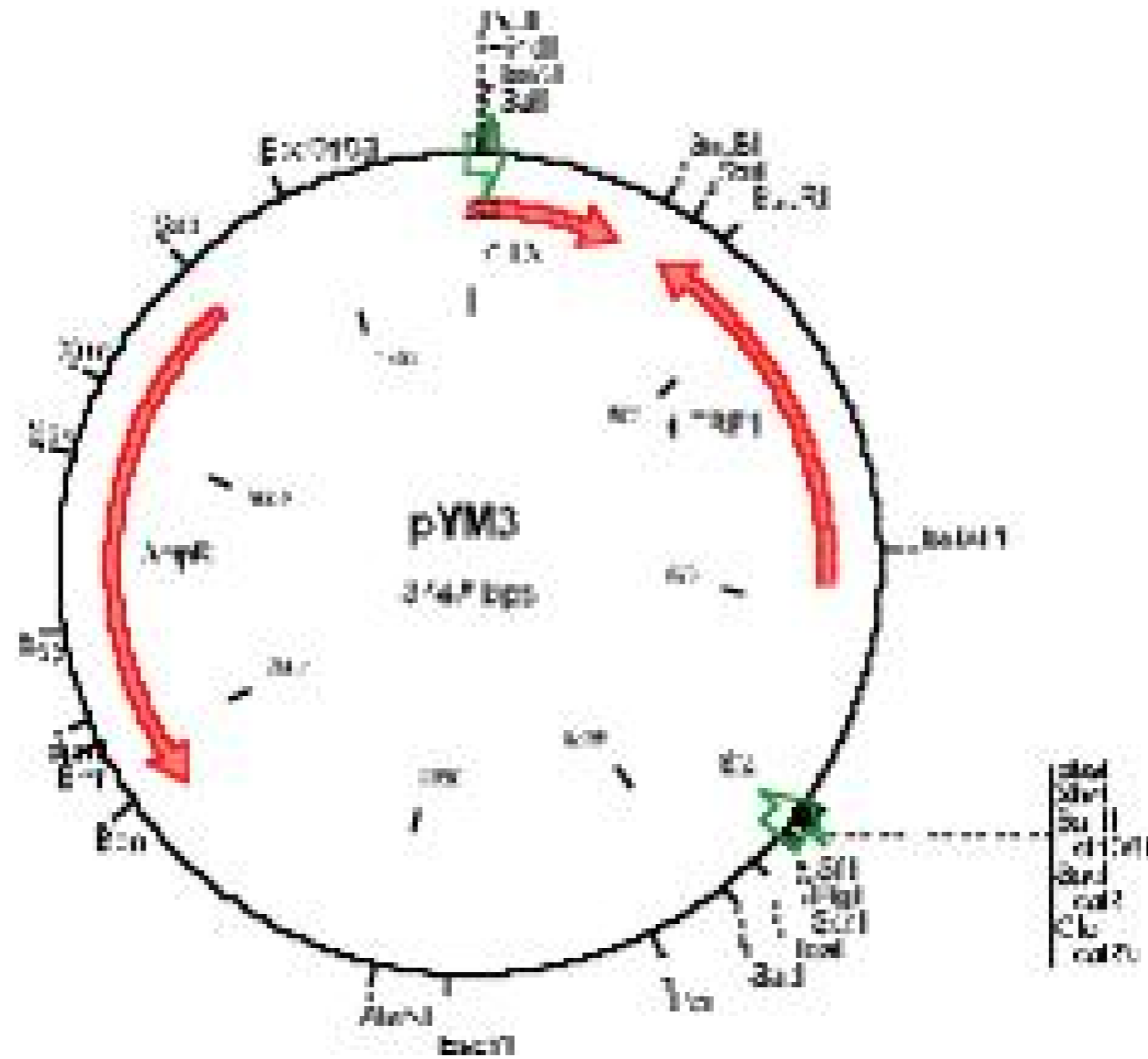
Inserts 6x HA(flu) tag - integrative vector

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

1732

Date entered

29.9.04

Constructed by

Nathalie Bot

Date constructed

PLASMID NAME

pCEP4 - hGPR30

bacterial marker Amp

vertebrate marker Hygromycin

eucaryotic replicon

parent vector

pCEP4

bacterial plasmid

other relevant source constructs

Inserts human GPR30 ORF placed in pCEP4 vector

Reporter gene

Promoter, CMV promoter
splice, SV40 poly A
PolyA EBNA-1 gene
Ori P

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.9.04

Constructed by Nathalie Bot

Date constructed

PLASMID NAME

pCIN4 - hAngII

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pIRESpuro

bacterial plasmid

other relevant source constructs

Inserts human Angiotensin II cDNA inserted in pCIN4

Reporter gene

Promoter, CMV promoter / enhancer
splice, synthetic intron
PolyA bovine GH poly A

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1734

Date entered

8.10.04

Constructed by

Pierre-André Briand

Date constructed

10/2004

PLASMID NAME

pET/mTrap1 ΔN

bacterial marker Amp

parent vector

pET-15b

bacterial plasmid

pBR322

other relevant source constructs

IMAGE clone 4242394

Inserts

mouse Trap1 AA 159-707 (i.e. lacks N-terminal 158 AA) with N-terminal His6-tag and thrombin cut site.

Plasmid carries lacI gene.

Reporter gene

Promoter,
splice,
PolyA T7 promoter and T7 transcription terminator

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1735

Date entered

8.10.04

Constructed by

Pierre-André Briand

Date constructed

10/2004

PLASMID NAME

pYCGal/GSTV5H6

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

pYC2/CT

bacterial plasmid

pUC

other relevant source constructs

pUC/GST, pGEX-1

Inserts GST fused C-terminally to V5 epitope and His6 tag

Reporter gene

Promoter, - GAL1 promoter
splice, - T7 promoter
PolyA - CYC1 termination signal

Comments - expressed extremely poorly or not at all, depending on strain.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1736

Date entered

8.10.04

Constructed by

Pierre-André Briand

Date constructed

10/2004

PLASMID NAME

pYCGal/E33A.GVH

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

pYC2/CT

bacterial plasmid

pUC

other relevant source constructs

p2U/HSP82.GST, pYCGal/GSTV5H6,
intermediate

Inserts Hsp82 with E33A mutation fused to GST fused C-terminally to V5 epitope and His6 tag

Reporter gene

Promoter, - GAL1 promoter
splice, - T7 promoter
PolyA - CYC1 termination signal

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 11.10.04

Constructed by Nathalie Bot

Date constructed

PLASMID NAME

Gal93 - mRsk2

bacterial marker Amp

parent vector

Gal93 -LF0

bacterial plasmid

other relevant source constructs

pcDNA 3.1 , pKH3/HA-Rsk2

Inserts Gal 4 DBD fused at the Nterminal part of mouse Rsk 2

Reporter gene

Promoter, CMV enhancer / promoter
splice, T7 RNA pol promoter
PolyA rabbit B-globin IVS2 and poly A

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1738

Date entered

18.10.04

Constructed by

Nathalie Bot

Date constructed

PLASMID NAME

pc7/mPKA RD mutant

bacterial marker Amp

parent vector

pC7/PKA

bacterial plasmid

pBluescript M13+

other relevant source constructs

Inserts

mouse C α PKA subunit cDNA with a mutation : aa 166 R - aa 166 A
Mutation in the catalytic site (RD)

Reporter gene

Promoter, CMV1 enhancer / promoter
splice, T7 RNA polymerase promoter
PolyA SV40 splice and poly A

Comments

Sequenced the part from EcoRI(320 pb) to the end of the cDNA (1050 pb)
The first 320 pb of the cDNA have not been sequenced, checked.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1739

Date entered

19.10.04

Constructed by

Morag MacLean

Date constructed

18.10.04

PLASMID NAME

p2U/gpr30

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pG1/gpr30

bacterial plasmid

other relevant source constructs

p2U

Inserts

Excised human GPR30 from pG1/gpr30 with BamHI and cloned into p2U at BamHI site.

Reporter gene

Promoter,
splice,
PolyA

GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1740

Date entered

19.10.04

Constructed by

Morag MacLean

Date constructed

18.10.04

PLASMID NAME

p2HG/gpr30

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

pG1/gpr30

bacterial plasmid

other relevant source constructs

p2HG

Inserts

Excised human GPR30 from pG1/gpr30 with BamHI and cloned into p2U at BamHI site.

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1741

Date entered

20.10.04

Constructed by

Nathalie Bot

Date constructed

PLASMID NAME

pC7/mPKA T198 A

bacterial marker Amp

parent vector

pC7/PKA

bacterial plasmid

other relevant source constructs

Inserts

mouse C α PKA subunit cDNA mutated at the pb 592 from A to G. Which generate the aa alanine instead of tyrosine. this mutant should be inactive

Reporter gene

Promoter, CMV1 promoter / enhancer
splice, T7 RNA polymerase promoter
PolyA SV40 splice and poly A

Comments

checked by sequence the fragment of cDNA going from bp 320 (EcoRI site) to the end (1056). The full length protein doesn't seem to be expressed.

Reference

Construct number

1742

Date entered

22.10.04

Constructed by

Julian Banerji (Schaffner lab)?

Date constructed

PLASMID NAME

pDEPT

bacterial marker Amp

parent vector

pML

bacterial plasmid

?

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts SV40 large T-antigen

Reporter gene

Promoter, - SV40 enhancer and early promoter
splice, - small t splice
PolyA - SV40 polyA

Comments

Reference Banerji et al. (1983) Cell ???

Construct number

1743

Date entered

4.11.04

Constructed by

Marco Siderius/Morag MacLean

Date constructed

PLASMID NAME

YCplac111

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

other relevant source constructs

Inserts 6112 bp Saccharomyces cerevisiae/E. coli shuttle vector.
ACCESSION no X75457 L26350

Reporter gene

Promoter,
splice,
PolyA

Comments CEN4 gene

Reference Gietz, R.D. and Sugino, A (1988) New yeast-Escherichia coli shuttle vectors constructed with in vitro mutagenized yeast genes lacking six-base pair restriction sites
Gene 74 (2), 527-534

Construct number

1744

Date entered

4.11.04

Constructed by

Marco Siderius

Date constructed

PLASMID NAME

Ycplac111-cdc37-34HA

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

Ycplac111-cdc37-34 (?)

bacterial plasmid

other relevant source constructs

Inserts

cdc37-34 allele with HA fused at C-terminus.
Presume it was constructed the same as for YCplac111-cdc37-34, but got no details from Marco other than its a low/single copy plasmid expressing the CDC37 ts allele as an HA fusion protein.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

1745

Date entered

8.11.04

Constructed by

Dan Finley lab

Date constructed

PLASMID NAME

pUb223

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts His6-myc -Ubi4 with mutations K48R (blocks chain elongation) and G76A (inhibits deubiquitination in vivo)

Reporter gene

Promoter, CUP1
splice,
PolyA

Comments - expression must be induced with copper

Reference received through the Madhani lab at UCSF.

DIDIER PICARD LAB, University of Geneva

Construct number

1746

Date entered

15.11.04

Constructed by

Morag MacLean

Date constructed

25.10.04

PLASMID NAME

pUC/luc1

bacterial marker Amp

parent vector

pUC18

bacterial plasmid

other relevant source constructs

pRS316Gal1luc

Inserts

Amplified luc1 gene from pRS316Gal1luc (no 1692) using primers F/luc1/Xba1 and R/luc1/Eco-2. Should be 1.67kb insert but in fact is 1.5 kb because the Cterm seq of luc1 is deleted from the luc1 plasmid made by Piia.

Mutation at codon 285 (gcg to gtg, changing A285V)

Reporter gene

luciferase

Promoter,
splice,
PolyA

Comments

For cloning downstream of FUS1 promoter to make a reporter plasmid

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 1747

Date entered 15.11.04

Constructed by Morag MacLean

Date constructed 5.11.04

PLASMID NAME

pRS316/FusPluc1

bacterial marker Amp

yeast marker URA3

eucaryotic replicon CEN/ARS

parent vector

pUC/luc1 & pUC/FUS1prom

bacterial plasmid

other relevant source constructs

pRS316

Inserts

Cut FUS1promoter from pUC/FUS1prom with EcoRI and XbaI (0.5kb) and cut luc1 gene from pUC/luc1 with EcoRI and XbaI.
Ligated into pRS316 at EcoRI site
Cterm of luc1 gene is messed up, have stop codon missing and therefore there is read through until a stop occurs in the MCS

Mutation at codon 285 of luc1 (gcg to gtg, changing A285V)

Reporter gene luciferase

Promoter, FUS1
splice,
PolyA

Comments A reporter plasmid to look at activation of FUS1 promoter

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1748

Date entered

15.11.04

Constructed by

Morag MacLean

Date constructed

5.11.04

PLASMID NAME

pRS426/FusPluc1

bacterial marker Amp

yeast marker URA3

eukaryotic replicon 2 μ circle

parent vector

pUC/luc1 & pUC/FUS1prom

bacterial plasmid

other relevant source constructs

pRS426

Inserts

Cut FUS1promoter from pUC/FUS1prom with EcoRI and XbaI (0.5kb) and cut luc1 gene from pUC/luc1 with EcoRI and XbaI.
Ligated into pRS426 at EcoRI site
Cterm of luc1 gene is messed up, have stop codon missing and therefore there is read through until a stop occurs in the MCS

Mutation at codon 285 of luc1 (gcg to gtg, changing A285V)

Reporter gene luciferase

Promoter,
splice,
PolyA FUS1

Comments

A reporter plasmid to look at activation of FUS1 promoter
Have this insert in both orientations so the Cterm is slightly different because of MCS. Need to test both to see if there is a difference in luciferase assays!!

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.11.04

Constructed by Nathalie Bot

Date constructed

PLASMID NAME

Gal93/mPKA RD mutant

bacterial marker Amp

parent vector
pSCTEV gal 93-LF0
bacterial plasmid

other relevant source constructs
Gal93 PKA , mPKA/ RD mutant

Inserts mouse PKA catalitic a unit fused to Gal93 at its Nterminus.
PKA bear a mutation in the catalytic site (aa 166 R- A)

Reporter gene

Promoter, CMV , T7
splice, rabbit B-globin IVS2 and poly A
PolyA

Comments

Reference

Construct number

1750

Date entered

17.11.04

Constructed by

Lev Osherovich (Weissman lab)

Date constructed

PLASMID NAME

p314 ADH1p SUP LexA B42

alternative name

SupNM-LexAB42

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pRS314

bacterial plasmid

Bluescript

other relevant source constructs

Inserts

Sup35 NM domain fused to LexA DNA binding domain with B42 activation domain (and SV40 NLS and HA-tag).

Reporter gene

Promoter, ADH1 promoter and terminator
splice,
PolyA

Comments

- can be used for Psi assays in conjunction with a lexA reporter.
- will aggregate and lose function in PSI+ strains.
- cloning details and sequence available

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.11.04

Constructed by Open Biosystems

Date constructed

PLASMID NAME

pSM2c/iTrap1

alternative name

RHS1764-9194702

bacterial marker Chl+Kan

vertebrate marker Puromycin

parent vector

pSM2c

bacterial plasmid

RK6 origin

other relevant source constructs

Inserts

shRNA construct to knock down human Trap1. Sequence is:

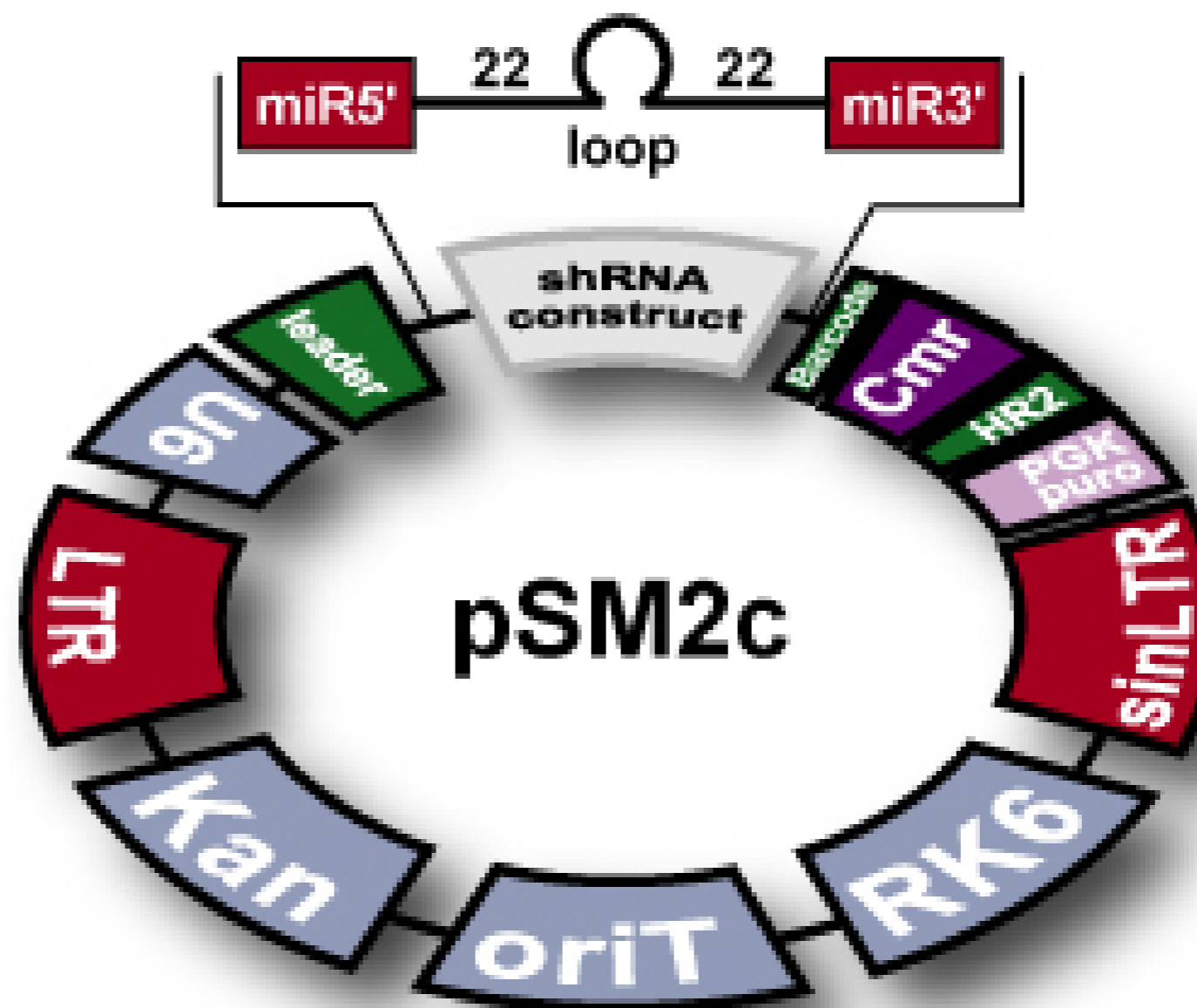
```
TGCTGTTGACAGTGAGCGACCCGGTCCCTGTA
CTCAGAAATAG
TGAAGCCACAGATGTATTTCTGAGTACAGGG
ACCGGGCTGCCT
ACTGCCTCGGA
```

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments - **very important:** plasmid must be propagated in appropriate host (pir1+). Select with 25 µg/ml each of Kan and Chl, and 1 µg/ml Tet to maintain F' episome.
 - RNA generated with 4 U overhangs at each 3' end.
 - LTRs in vector allow packaging into retrovirus.

Reference



pShag Magic version 2.0

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 25.11.04

Constructed by Nathalie Bot

Date constructed

PLASMID NAME

Gal93/mPKA T198 A

bacterial marker Amp

parent vector
pSCTEV gal93-LF0
bacterial plasmid

other relevant source constructs
Gal93 PKA , mPKA T198 A mutant

Inserts mouse PKA catalytic a subunit fused to Gal93 DBD.
PKA is mutated at the aa T197 into a alanine

Reporter gene

Promoter, CMV , T7
splice, rabbit B-Globin IVS2 and poly A
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1753

Date entered

25.11.04

Constructed by

Nathalie Bot

Date constructed

PLASMID NAME

Gal93/mErk2

bacterial marker Amp

parent vector

pSCEV gal 93 LF0

bacterial plasmid

other relevant source constructs

EF. Erk2

Inserts

mouse Erk 2 fused to the Gal DBD

Reporter gene

Promoter,
splice,
PolyA

CMV , T7
Rabbit B globin IVS2 poly A

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 1754

Date entered 1.12.04

Constructed by Peter Dudek

Date constructed 06.04

PLASMID NAME

p2UG-2XORE-Luc

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2UG (700)

bacterial plasmid

other relevant source constructs

pGEMluc (1591) + pUC-2XORE (1615)

Inserts PCR product of CYC1 promoter + FOX3 ORE from pUC-2XORE (BsmI-SacII) was ligated with Luciferase gene from pGEMluc (SacI - SacII) into p2UG (BsmI-SacI)

Result: luciferase reporter under ORE influence

Reporter gene luciferase

Promoter, splice, PolyA CYC1 promoter, 2X Oleate response element from FOX3 gene in reverse orientation

Comments

Reference Phelps et al. (2006) PNAS 103, 7077

DIDIER PICARD LAB, University of Geneva

Construct number

1755

Date entered

2.12.04

Constructed by

Morag MacLean & Diana Wider

Date constructed

27.11.04

PLASMID NAME

pEscLEUFlagGpr30

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pEsc-LEU

bacterial plasmid

other relevant source constructs

p2U/gpr30

Inserts

Cut 1.1 kb BamHI insert from p2U/gpr30 containing the whole gpr30 reading frame and cloned into pEsc-LEU at BglII site, creating Flag tag Nterminal fusion.
BamHI and BglII sites destroyed.

Reporter gene

Promoter,
splice,
PolyA GAL10

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.12.04

Constructed by Fedor Forafonov

Date constructed 8.12.2004

PLASMID NAME

pLexA-OAF1

<u>bacterial marker</u> Amp	<u>parent vector</u> pLexA(pEG-202)
<u>yeast marker</u> HIS3	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> 2 μ circle	<u>other relevant source constructs</u>

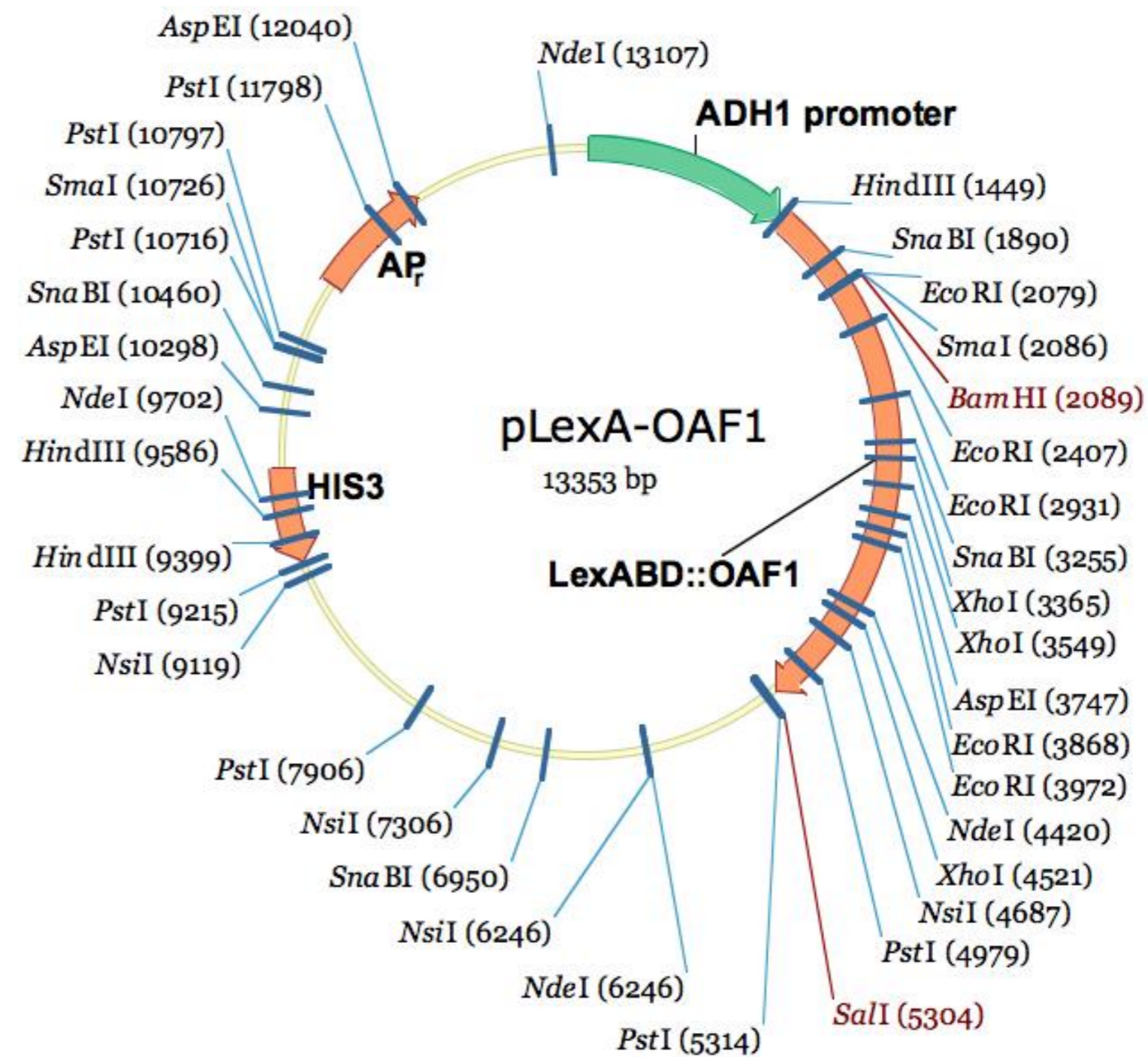
Inserts N'terminall fusion of LexA DNA-binding domain with full length OAF1
OAF1 inserted by BamHI-Sall (from pLG-OAF1)
LexA BD + full OAF1 (aa 1-1047)

Reporter gene

Promoter, splice, PolyA ADH1 promoter and ADH1 terminator

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.12.04

Constructed by Fedor Forafonov

Date constructed 8.12.2004

PLASMID NAME

pLexA-PIP2

bacterial marker Amp

parent vector
pLexA(pEG-202)
bacterial plasmid

yeast marker HIS3

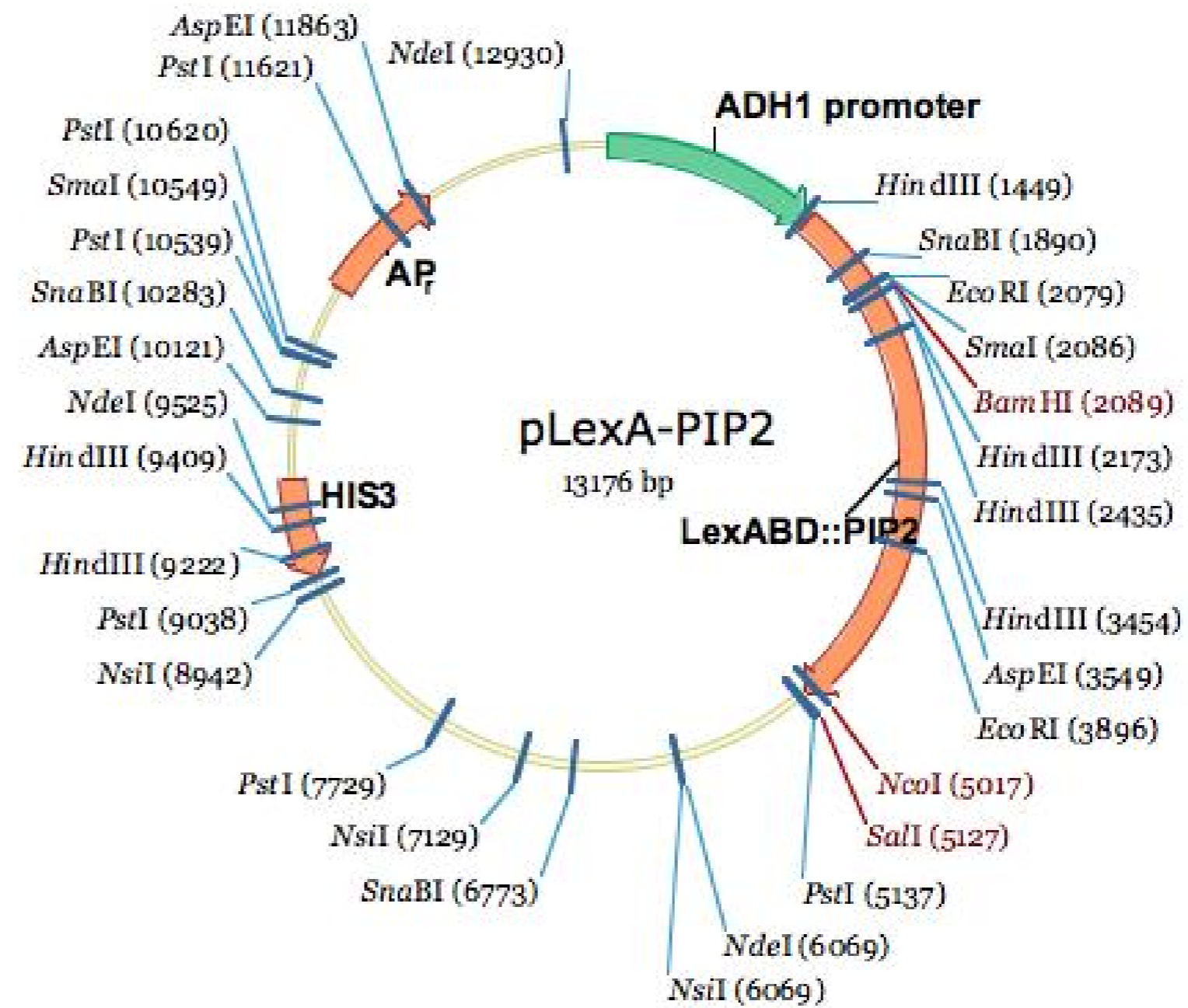
other relevant source constructs

eucaryotic replicon 2 μ circle

Inserts N'terminall fusion of LexA DNA-binding domain with full length PIP2
PIP2 inserted by BamHI-Sall (from pHG-PIP2)
LexA BD + full PIP2 (aa 1-996)

Reporter gene

Promoter, splice, PolyA ADH1 promoter and ADH1 terminator



Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.12.04

Constructed by Fedor Forafonov

Date constructed 8.12.2004

PLASMID NAME

pBTM-OAF1

<u>bacterial marker</u> Amp	<u>parent vector</u> pBTM116
<u>yeast marker</u> TRP1	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> 2 μ circle	<u>other relevant source constructs</u>

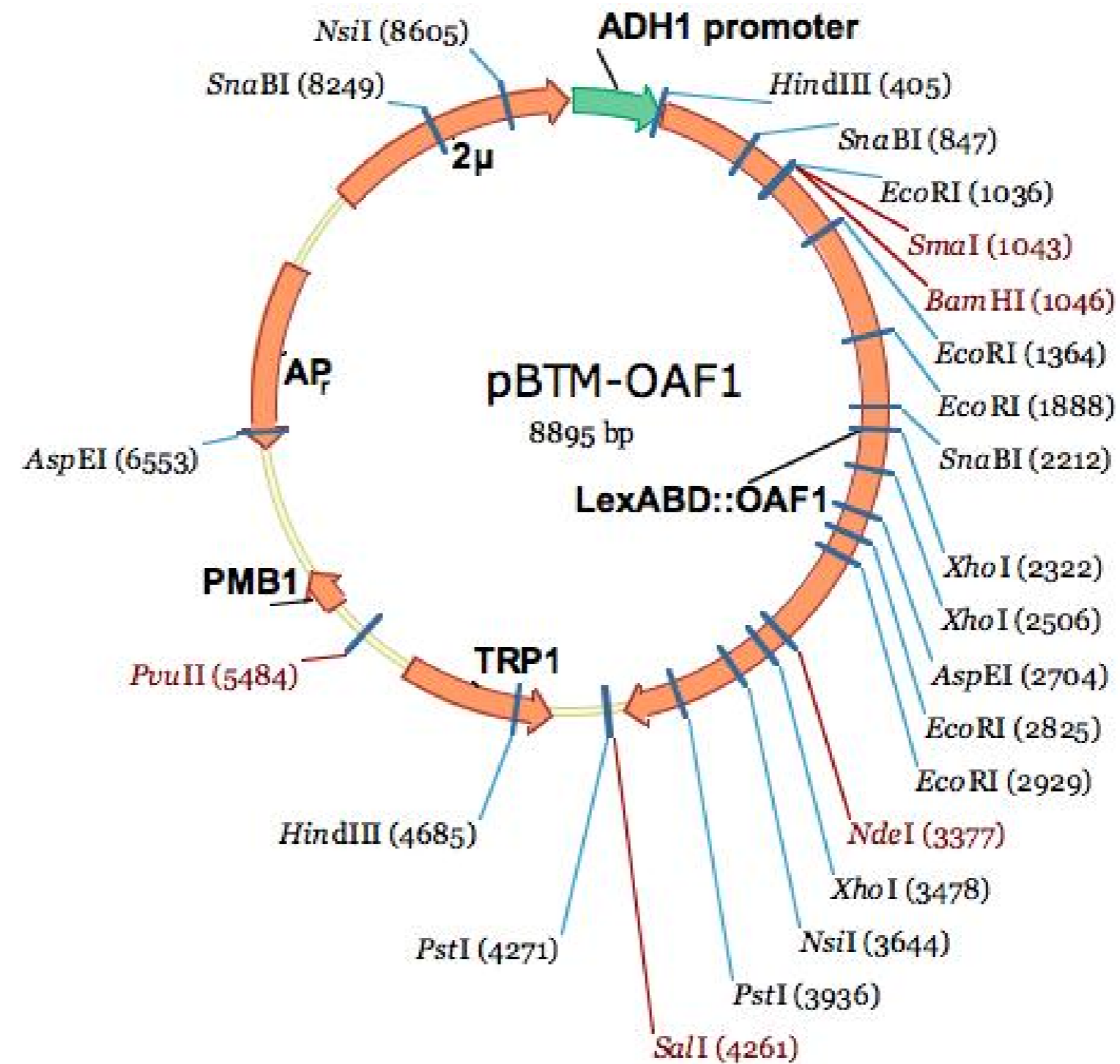
Inserts N'terminall fusion of LexA DNA-binding domain with full length OAF1
OAF1 inserted by BamHI-Sall (from pLG-OAF1)
LexA BD + full OAF1 (aa 1-1047)

Reporter gene

Promoter, splice, PolyA ADH1 promoter and ADH1 terminator

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.12.04

Constructed by Fedor Forafonov

Date constructed 8.12.2004

PLASMID NAME

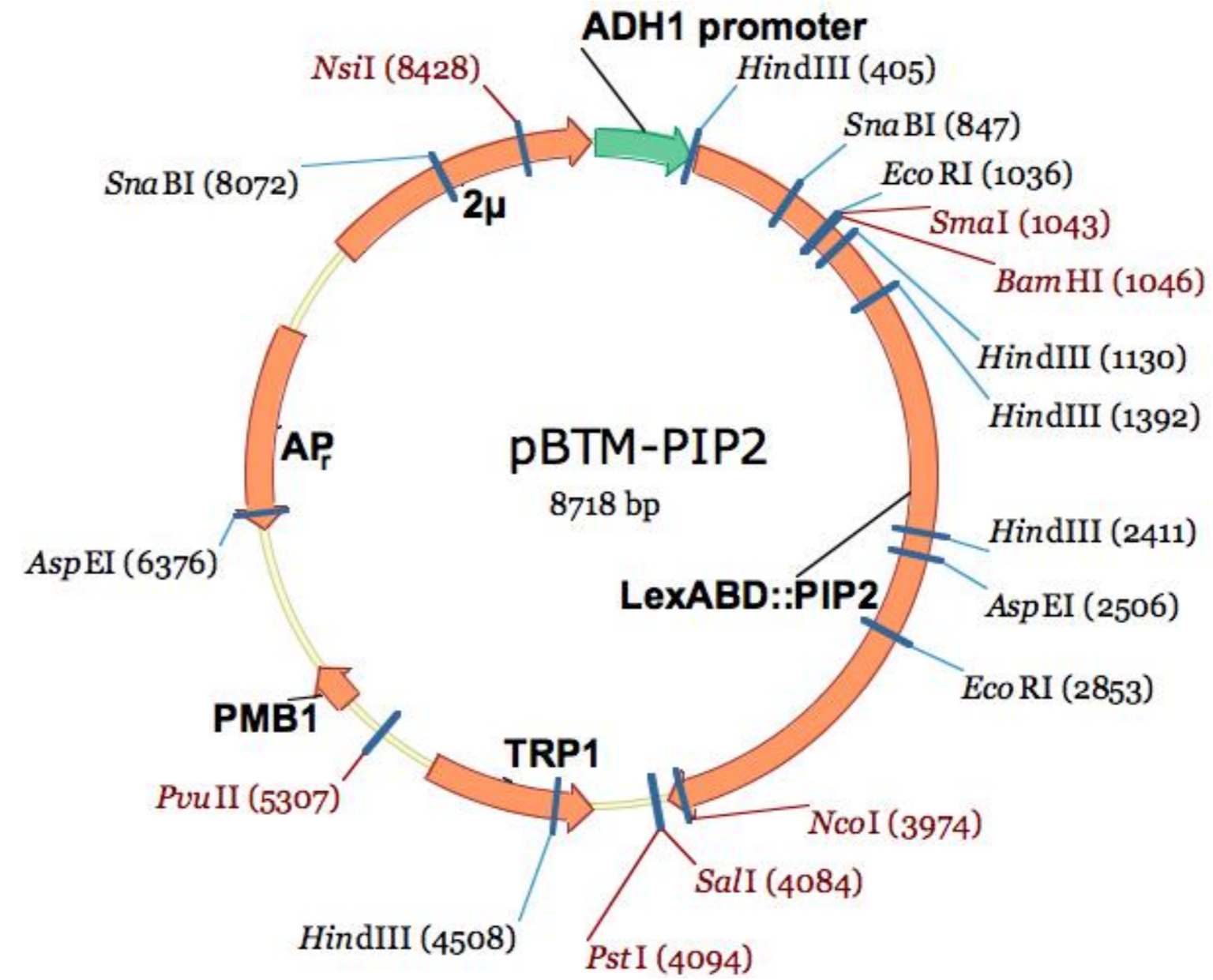
pBTM-PIP2

<u>bacterial marker</u> Amp	<u>parent vector</u> pBTM116 <u>bacterial plasmid</u>
<u>yeast marker</u> TRP1	<u>other relevant source constructs</u>
<u>eucaryotic replicon</u> 2 μ circle	

Inserts N'terminall fusion of LexA DNA-binding domain with full length PIP2
PIP2 inserted by BamHI-SalI (from pHG-PIP2)
LexA BD + full PIP2 (aa 1-996)

Reporter gene

Promoter, splice, PolyA ADH1 promoter and ADH1 terminator



Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.12.04

Constructed by Fedor Forafonov

Date constructed 8.12.2004

PLASMID NAME

pLexA-OSLBD

<u>bacterial marker</u> Amp	<u>parent vector</u> pLexA
<u>yeast marker</u> HIS3	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> 2 μ circle	<u>other relevant source constructs</u>

Inserts N'terminall fusion of LexA DNA-binding domain with small LBD of OAF1
OSLBD inserted by BamHI-NotI (from pYFL/OAF1-SLBD)

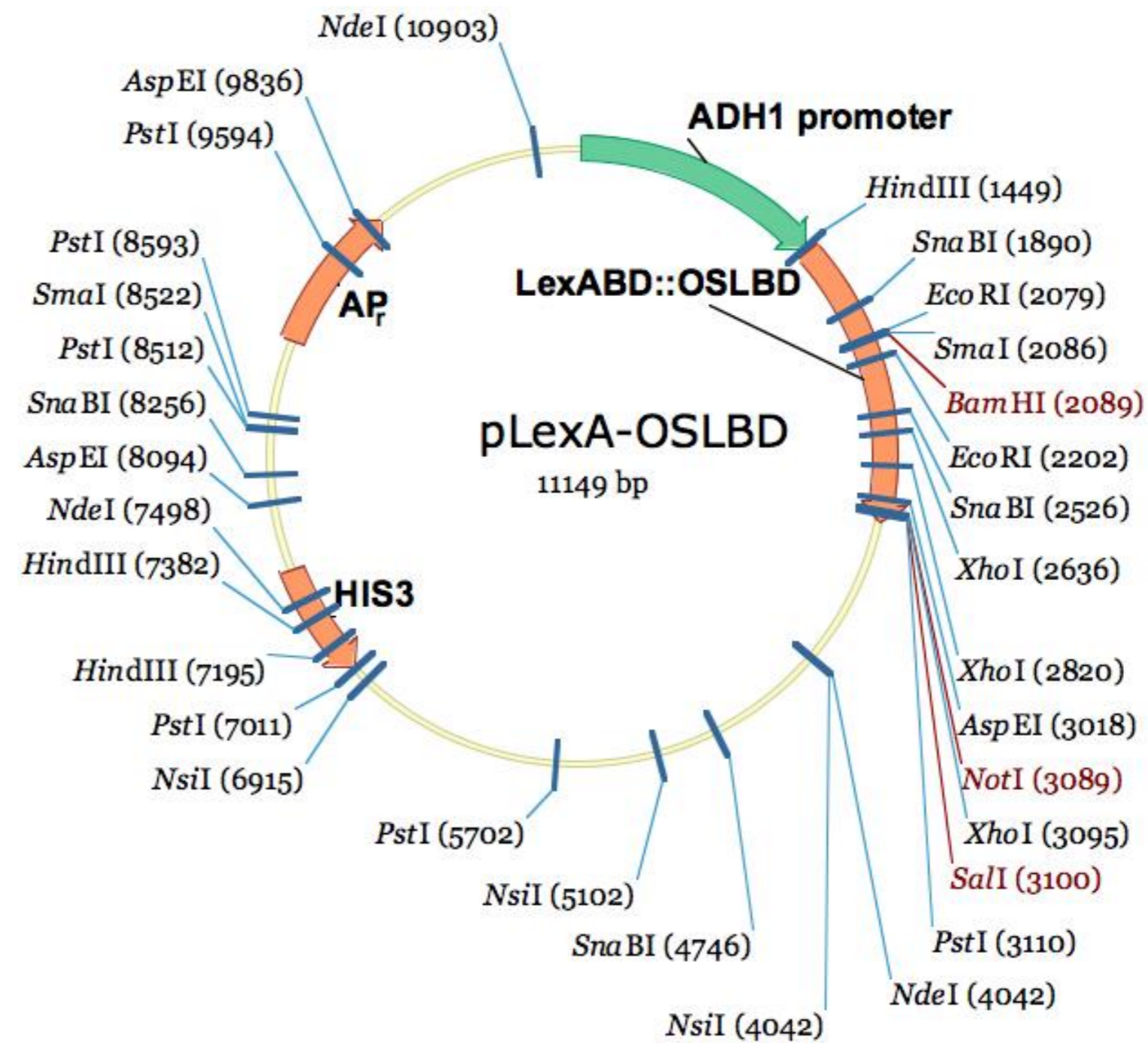
LexA BD + OAF1 small LBD (aa 244-573) + tail
(RGRSSRPAAKLIPGEFLMIYDFYY)

Reporter gene

Promoter, splice, PolyA ADH1 promoter and ADH1 terminator

Comments

Reference YNR



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.12.04

Constructed by Fedor Forafonov

Date constructed 8.12.2004

PLASMID NAME

pLexA-PSLBD

<u>bacterial marker</u> Amp	<u>parent vector</u> pLexA
<u>yeast marker</u> TRP1	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> 2 μ circle	<u>other relevant source constructs</u>

Inserts N'terminall fusion of LexA DNA-binding domain with small LBD of PIP2 PSLBD inserted by BamHI-NotI (from pETX PIP2 sLBD)

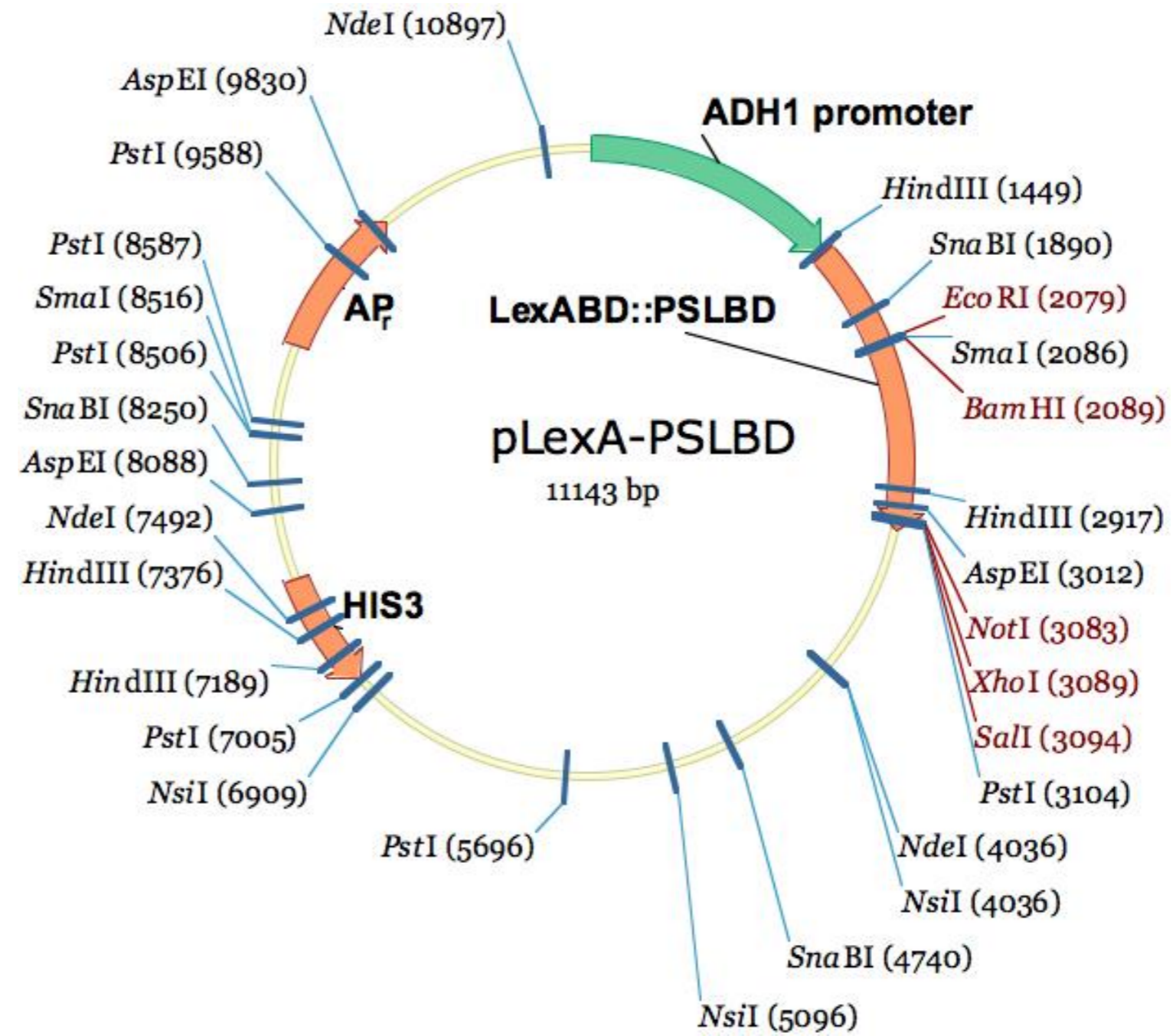
LexA BD + PIP2 small LBD (aa 180-507) + tail (RGRSSRPAAKLIPGEFLMIYDFYY)

Reporter gene

Promoter, splice, PolyA ADH1 promoter and ADH1 terminator

Comments

Reference YNR



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.12.04

Constructed by Fedor Forafonov

Date constructed 8.12.2004

PLASMID NAME

pLexA-OSLBD-AD

<u>bacterial marker</u> Amp	<u>parent vector</u> pLexA
<u>yeast marker</u> HIS3	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> 2 μ circle	<u>other relevant source constructs</u>

Inserts N'terminall fusion of LexA DNA-binding domain with with small LBD of OAF1 + activation domain of OAF1 (NsiI-SalI) (from pLG-OAF1)
OSLBD inserted by BamHI-NsiI (from pYFL/OAF1-SLBD)

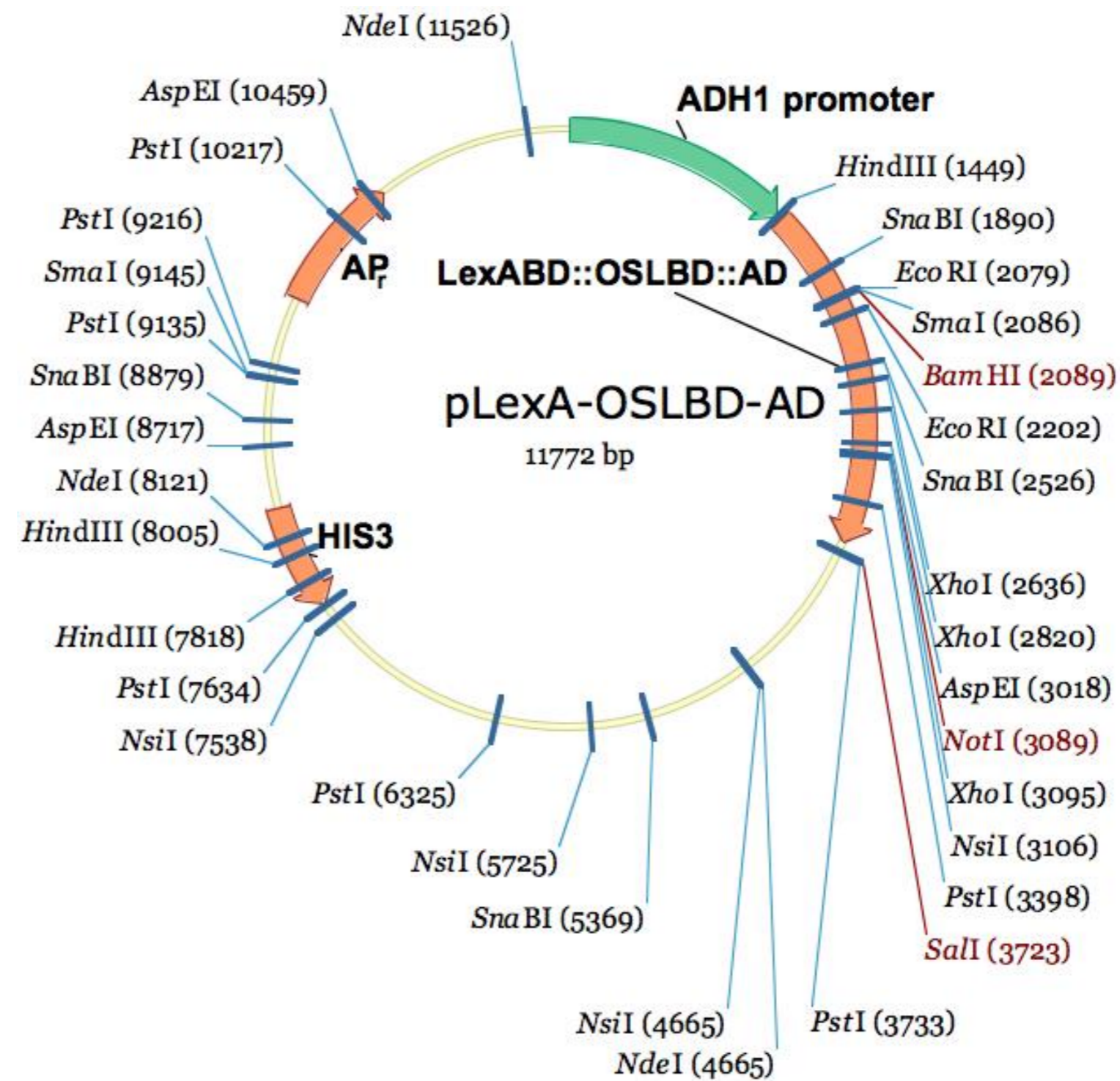
LexA BD + OAF1 small LBD (aa 244-573) + linker (RGRSS) + OAF1 AD (aa 863-1047)

Reporter gene

Promoter, splice, PolyA ADH1 promoter and ADH1 terminator

Comments

Reference YNR



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.12.04

Constructed by Fedor Forafonov

Date constructed 8.12.2004

PLASMID NAME

pLexA-PSLBD-AD

bacterial marker Amp	parent vector pLexA
yeast marker HIS3	bacterial plasmid
eucaryotic replicon 2 μ circle	other relevant source constructs

Inserts N'terminall fusion of LexA DNA-binding domain with small LBD of PIP2 + activation domain of OAF1 (NsiI-SalI) (from pLG-OAF1)
PSLBD inserted by BamHI-NsiI (from pETX PIP2 sLBD)

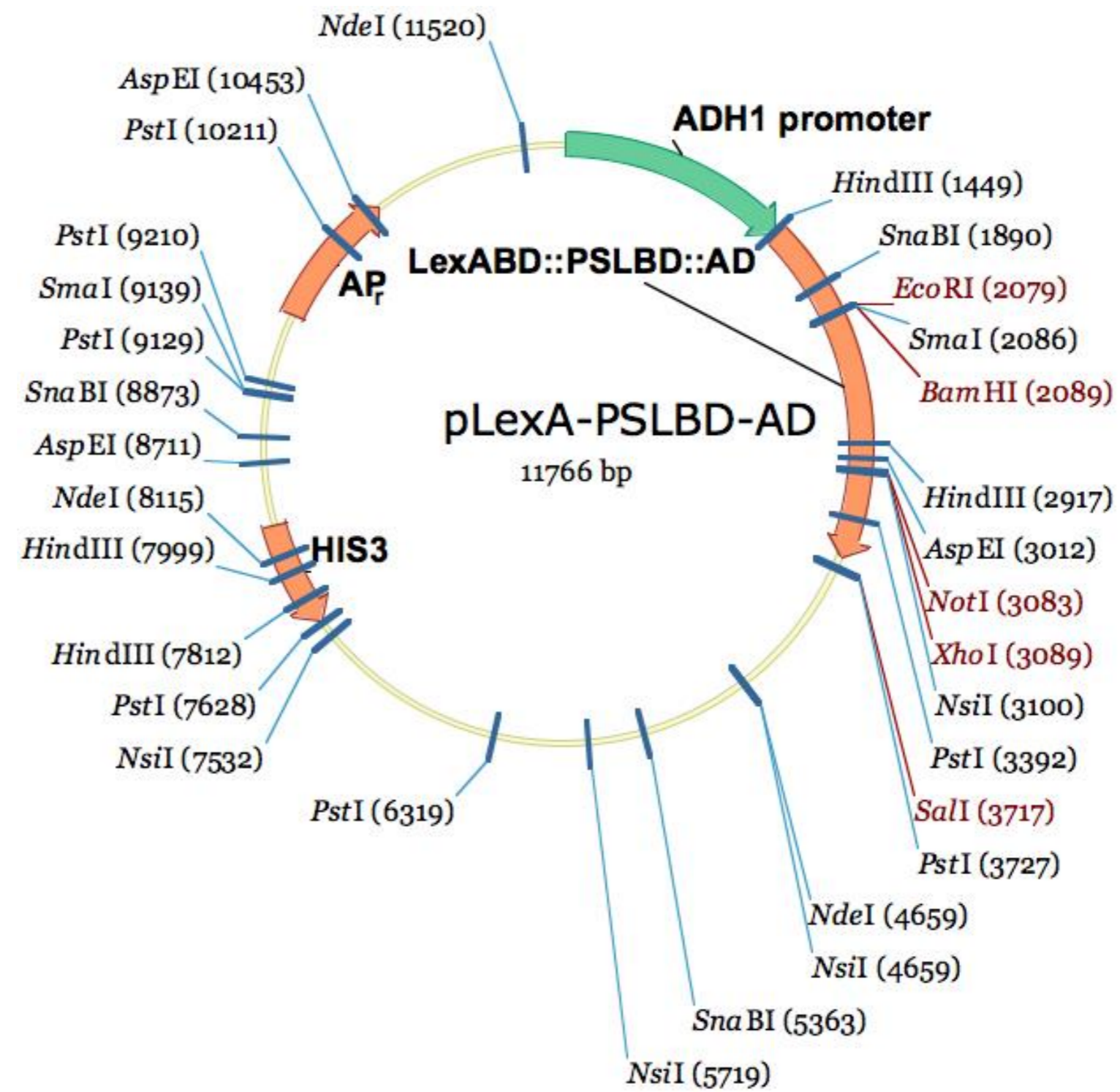
LexA BD + PIP2 small LBD (aa 180-507) + linker (RGRSS) + OAF1 AD (aa 863-1047)

Reporter gene

Promoter, splice, PolyA ADH1 promoter and ADH1 terminator

Comments

Reference YNR



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.12.04

Constructed by Fedor Forafonov

Date constructed 8.12.2004

PLASMID NAME

pBTM-OSLBD-AD

<u>bacterial marker</u> Amp	<u>parent vector</u> pBTM116
<u>yeast marker</u> TRP1	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> 2 μ circle	<u>other relevant source constructs</u>

Inserts N'terminall fusion of LexA DNA-binding domain with small LBD of OAF1 + activation domain of OAF1 (NsiI-SalI) (from pLG-OAF1)
OSLBD inserted by BamHI-NsiI (from pYFL/OAF1-SLBD)

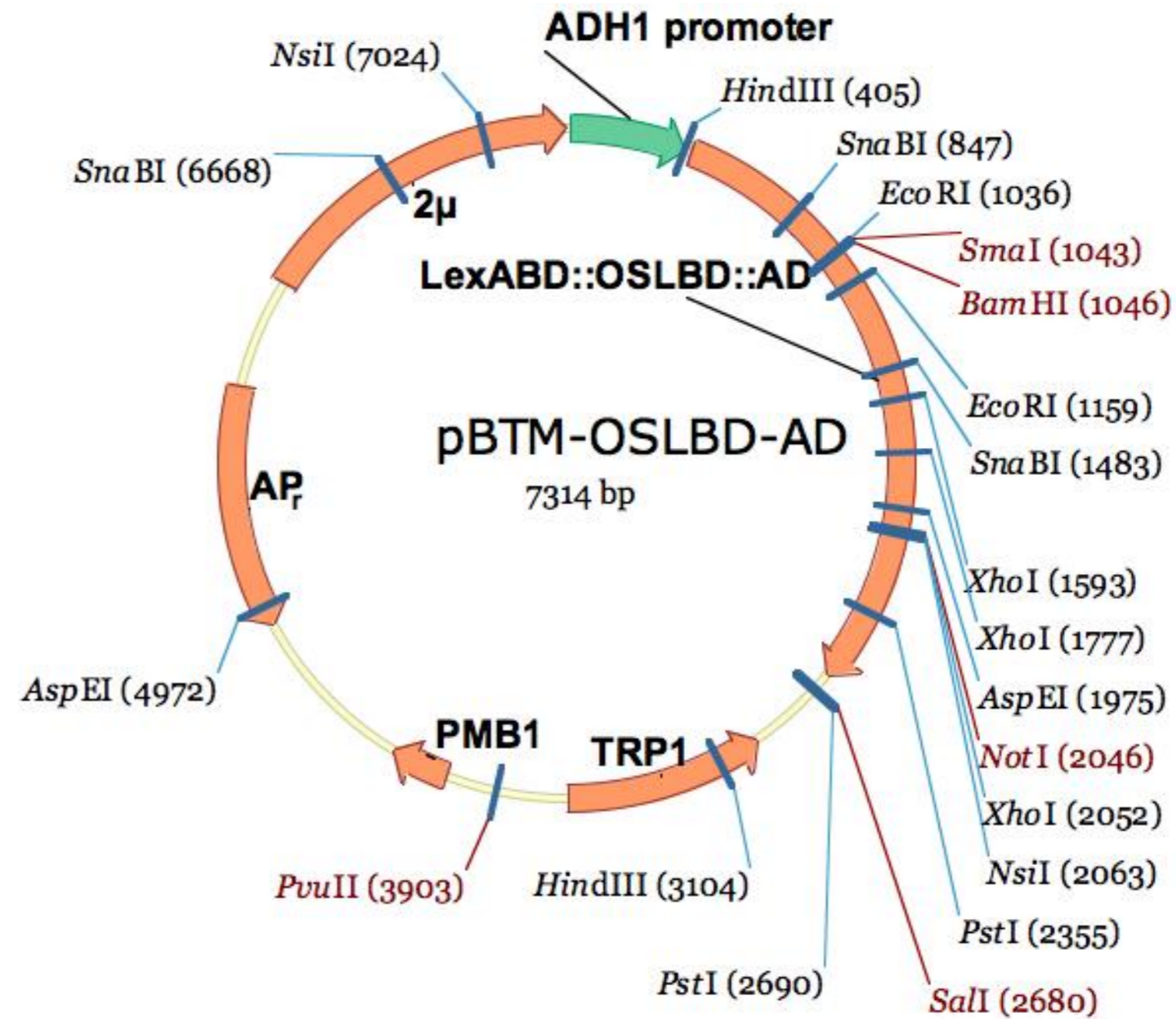
LexA BD + OAF1 small LBD (aa 244-573) + linker (RGRSS) + OAF1 AD (aa 863-1047)

Reporter gene

Promoter, splice, PolyA ADH1 promoter and ADH1 terminator

Comments

Reference YNR



DIDIER PICARD LAB, University of Geneva

Construct number 1765

Date entered 8.12.04

Constructed by Fedor Forafonov

Date constructed 8.12.2004

PLASMID NAME

pLGF-OSLBD-AD

bacterial marker Amp	parent vector pLG-Flag bacterial plasmid
yeast marker LEU2	other relevant source constructs
eucaryotic replicon CEN/ARS	

Inserts
N'terminally Flag tagged small LBD of OAF1 + activation domain of OAF1 (Nsil-SalI) (from pLG-OAF1)
OSLBD inserted by BamHI-Nsil (from pYFL/OAF1-SLBD)

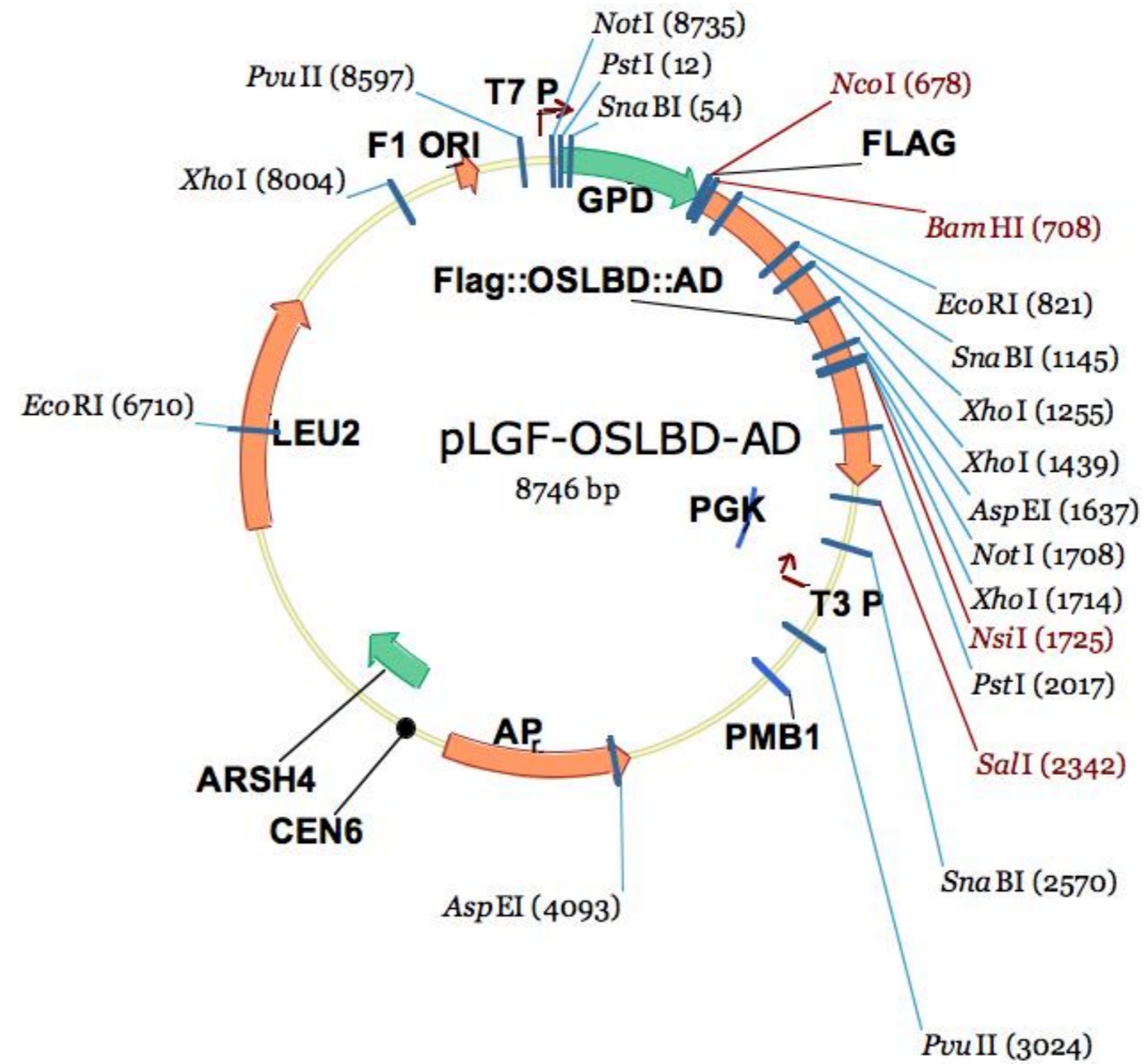
FLAG + OAF1 small LBD (aa 244-573) + linker (RGRSS) + OAF1 AD (aa 863-1047)

Reporter gene

Promoter, splice, PolyA
glyceraldehyde-3-phosphate dehydrogenase (GPD) promoter, termination and polyA sites from 3-phosphoglycerate kinase (PGK)

Comments

Reference YNR



DIDIER PICARD LAB, University of Geneva

Construct number 1766

Date entered 8.12.04

Constructed by Fedor Forafonov

Date constructed 8.12.2004

PLASMID NAME

pLGF-PSLBD-AD

bacterial marker Amp	parent vector pLG-Flag bacterial plasmid
yeast marker LEU2	other relevant source constructs
eucaryotic replicon CEN/ARS	

Inserts
N'terminally Flag tagged small LBD of PIP2 + activation domain of OAF1 (Nsil-SalI) (from pLG-OAF1)
PSLBD inserted by BamHI-Nsil (from pETX PIP2 sLBD)

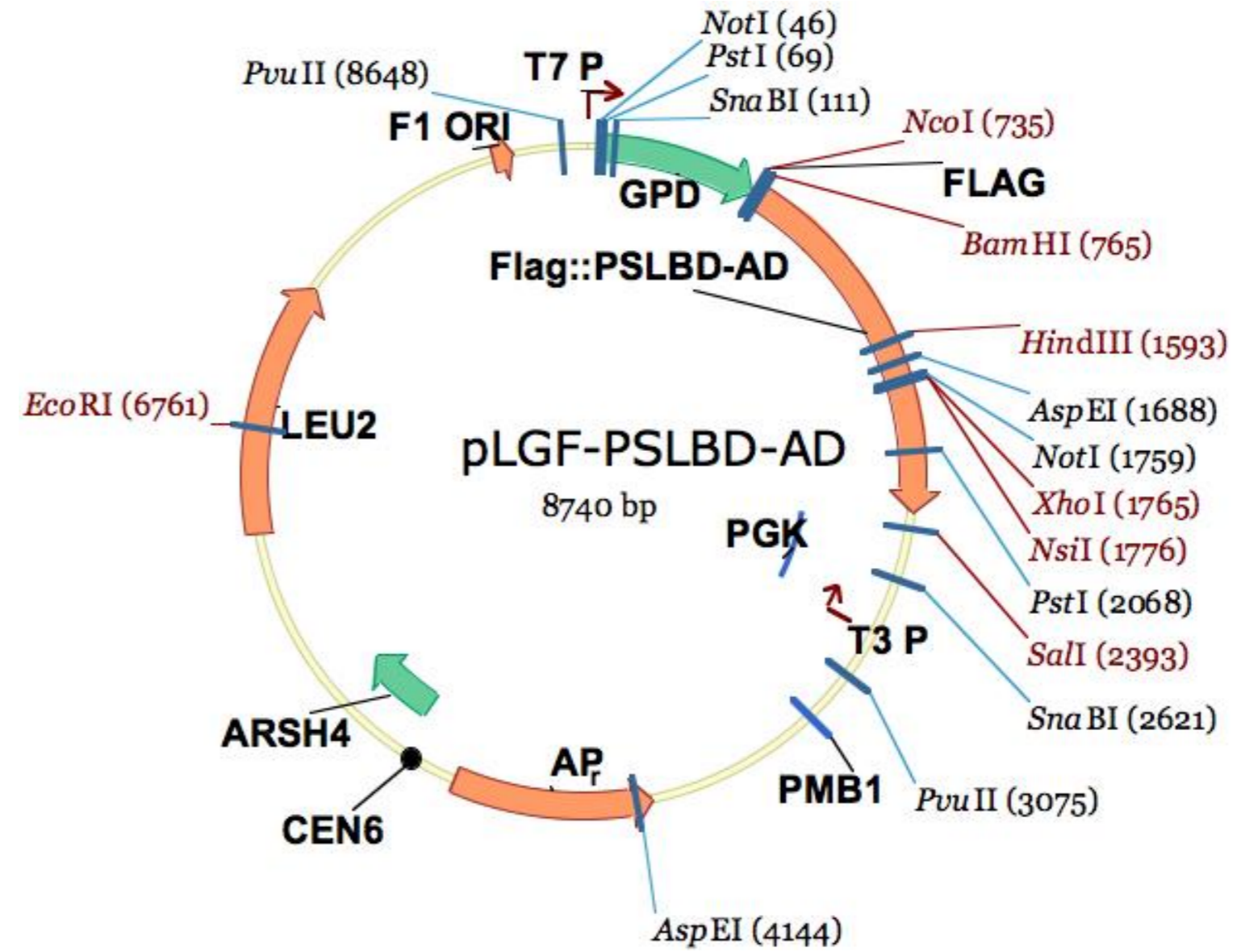
FLAG + PIP2 small LBD (aa 180-507) + linker (RGRSS) + OAF1 AD (aa 863-1047)

Reporter gene

Promoter, splice, PolyA
glyceraldehyde-3-phosphate dehydrogenase (GPD) promoter, termination and polyA sites from 3-phosphoglycerate kinase (PGK)

Comments

Reference YNR



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.12.04

Constructed by Fedor Forafonov

Date constructed 8.12.2004

PLASMID NAME

pLexA-OAF1-ΔM1

<u>bacterial marker</u> Amp	<u>parent vector</u> pLexA bacterial plasmid
<u>yeast marker</u> HIS3	<u>other relevant source constructs</u>
<u>eucaryotic replicon</u> 2μ circle	

Inserts N'terminall fusion of LexA DNA-binding domain with full length OAF1 lacking DNA binding domain and first middle inhibitory domain (ΔM1)
LexABD + OSLBD + rest of OAF1

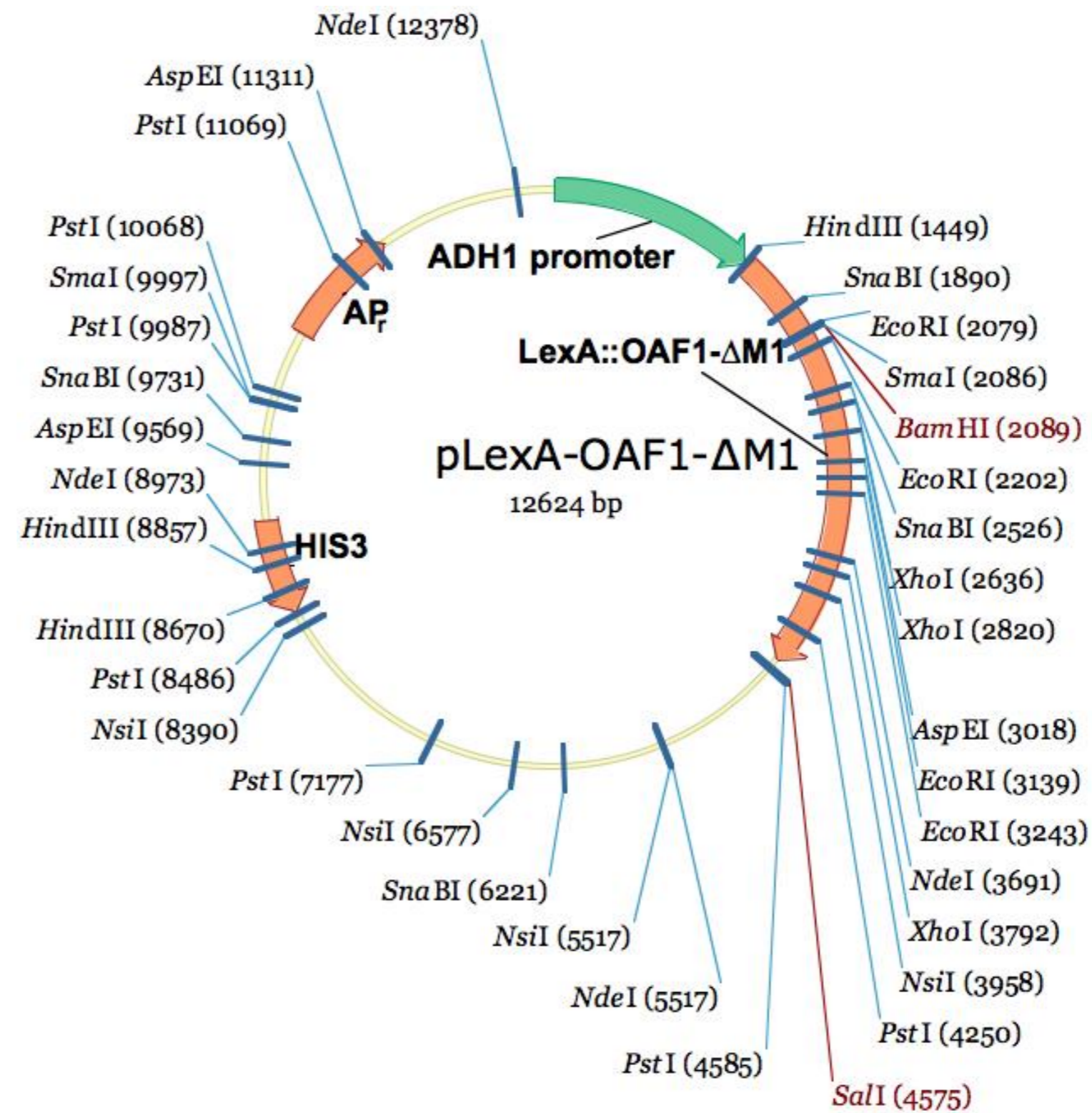
LexA BD + OAF1 (aa 244-1047)

Reporter gene

Promoter, splice, PolyA ADH1 promoter and ADH1 terminator

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.12.04

Constructed by Fedor Forafonov

Date constructed 8.12.2004

PLASMID NAME

pLexA-OAF1-ΔM2

<u>bacterial marker</u> Amp	<u>parent vector</u> pLexA bacterial plasmid
<u>yeast marker</u> HIS3	<u>other relevant source constructs</u>
<u>eucaryotic replicon</u> 2μ circle	

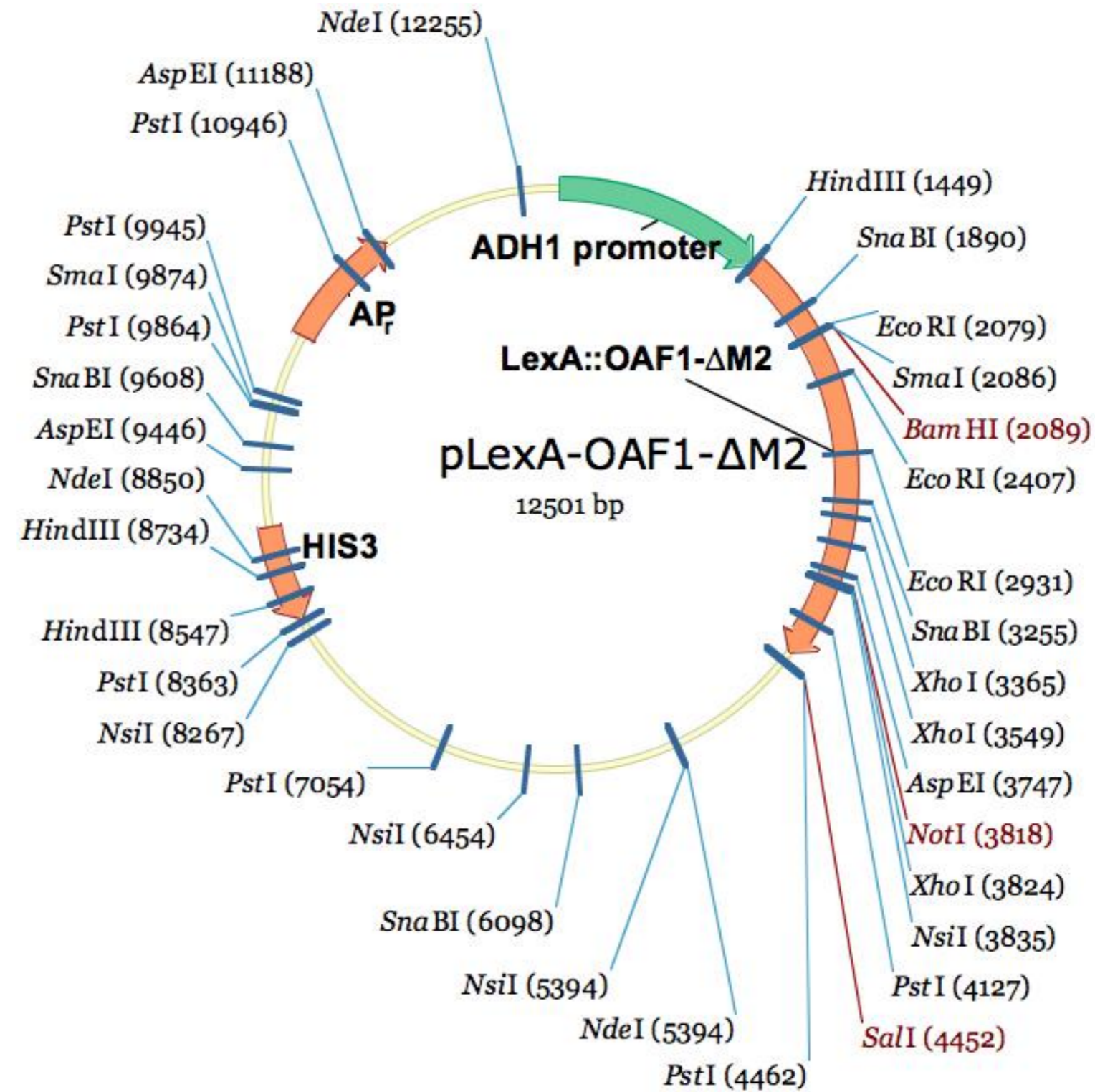
Inserts
 N'terminall fusion of LexA DNA-binding domain with full length OAF1 lacking second middle inhibitory domain (ΔM2)
 LexABD + part of OAF1 untill the end of OSLBD + activation domain of OAF1 (NsiI-SalI)
 LexA BD + OAF1 (aa 1-573) + linker (RGRSS) + OAF1 AD (aa 863-1047)

Reporter gene

Promoter, splice, PolyA
 ADH1 promoter and ADH1 terminator

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

1770

Date entered

2.1.05

Constructed by

Pierre-André Briand

Date constructed

01/2005

PLASMID NAME

pYES/E33A.GSTstop

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES2.0

bacterial plasmid

other relevant source constructs

pYCGal/E33A.GVH, p2U/Hsp82.GST

Inserts yeast Hsp82 with E33A mutation fused to GST

Reporter gene

Promoter, - GAL1 promoter
splice, - CYC1 termination signal
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1771

Date entered

2.1.05

Constructed by

Pierre-André Briand

Date constructed

12/2004

PLASMID NAME

p2U/E33A.GST

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

BS

other relevant source constructs

pYCGal/E33A.GVH, p2U/Hsp82.GST

Inserts yeast Hsp82 with E33A mutation fused to GST

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments ref. for p2U/Hsp82.GST: Warth et al. (1997) Biol. Chem. 378, 381.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 11.1.05

Constructed by Fedor Forafonov

Date constructed 05.01.05

PLASMID NAME

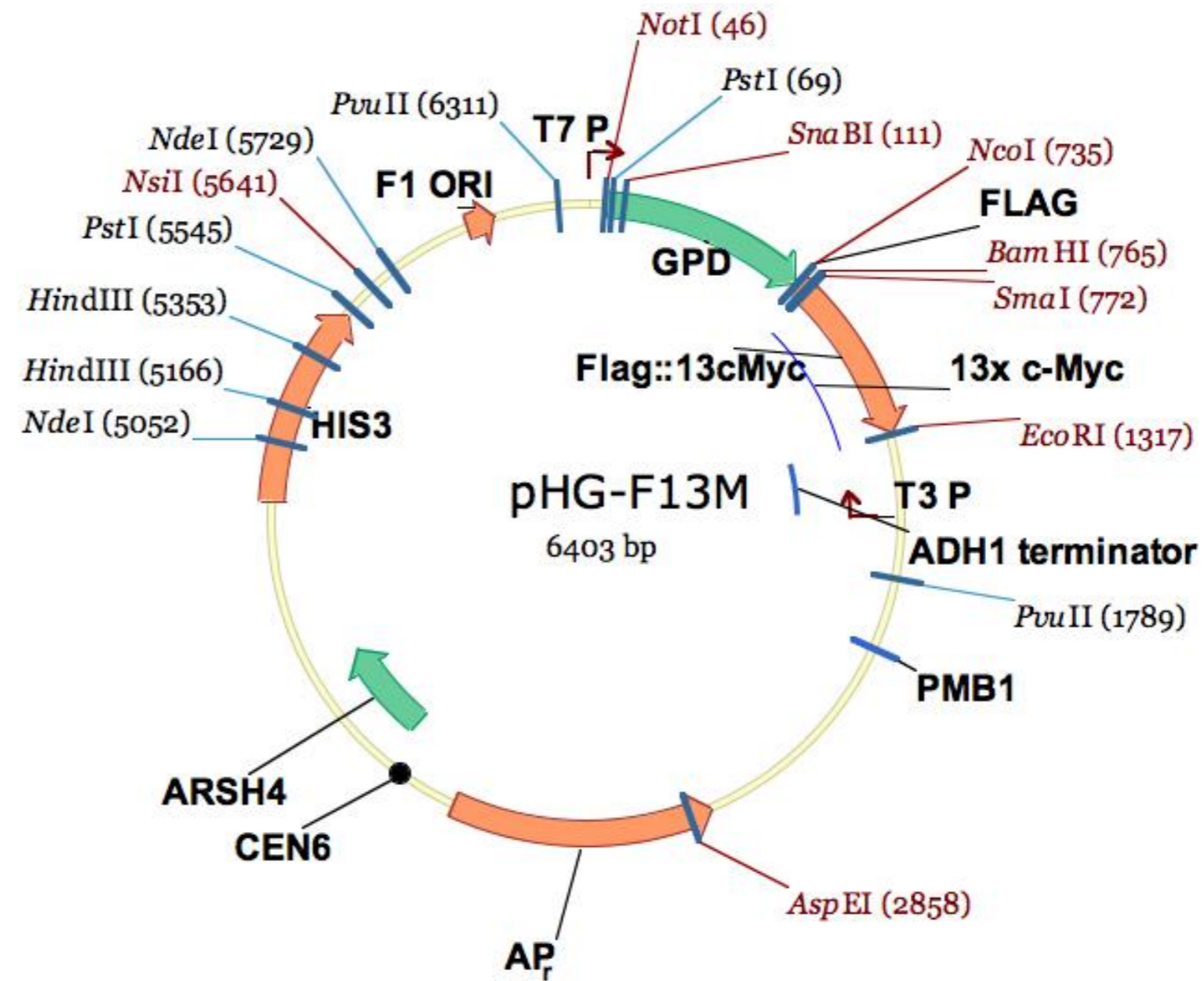
pHG-F13M

<u>bacterial marker</u>	Amp	<u>parent vector</u>	pRS313-GPD-PGK
<u>yeast marker</u>	HIS3	<u>bacterial plasmid</u>	
<u>eucaryotic replicon</u>	CEN/ARS	<u>other relevant source constructs</u>	

<u>Inserts</u>	Flag tag fused with 13x-cMyc tag control plasmid
<u>Reporter gene</u>	<input type="text"/>
<u>Promoter, splice, PolyA</u>	GPD promoter and ADH1 terminator

Comments

Reference YNR



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.1.05

Constructed by Valentina Gburcik

Date constructed 5.11.04.

PLASMID NAME

SPBP-3xHA

bacterial marker Amp

parent vector
pcDNA3-HA-SPBP
bacterial plasmid

other relevant source constructs

Inserts Full length SPBP containing one HA tag at the N-terminus and triple HA tag at the C-terminus. The BamHI site was first introduced C-terminally from SPBP in pcDNA-HA-SPBP. Then the triple HA tag was inserted in frame in BamHI/XbaI restriction sites.

Reporter gene

Promoter,
splice,
PolyA

Comments Does not for IP with anti-HA Ab

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.1.05

Constructed by Valentina Gburcik

Date constructed 28.12.04

PLASMID NAME

3xflag SPBP

bacterial marker Amp

parent vector
pcDNA3-HA-SPBP
bacterial plasmid

other relevant source constructs

Inserts Full length SPBP with triple flag tag at the N-terminus. HA tag was excised and exchanged for triple flag tag by inserting it in frame into HindIII/NotI restriction sites.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1777

Date entered

20.1.05

Constructed by

Nathalie Bot

Date constructed

PLASMID NAME

pC7 PKA R 195 A

bacterial marker Amp

parent vector

pC7/PKA

bacterial plasmid

other relevant source constructs

Inserts

mouse c a PKA subunit cDNA mutated at the aa 195 R-A

Reporter gene

Promoter, CMV1 promoter / enhancer
splice, T7 RNA polymerase promoter
PolyA SV40 splice and poly A

Comments

checked by sequence the fragment of cDNA going from bp 320 (EcoRI site) to the end

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1778

Date entered

20.1.05

Constructed by

Nathalie Bot

Date constructed

PLASMID NAME

pC7 PKA E 209 A

bacterial marker Amp

parent vector

pC7/PKA

bacterial plasmid

other relevant source constructs

Inserts

mouse ca PKA subunit cDNA mutated at the amino acid 209 from E to A

Reporter gene

Promoter, CMV promoter /enhancer
splice, T7 polymerase promoter
PolyA SV40 poly A

Comments

checked by sequence the fragment of cDNA going from bp 320 to the end

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.2.05

Constructed by Pierre-André Briand

Date constructed 02/2005

PLASMID NAME

pYES/HA-Ste11.GFP

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES2.0

bacterial plasmid

other relevant source constructs

pYES/HA-Ste11, pYes/Ste11 Δ N.ER

Inserts HA tag (MQDLPGNDNSTAG) fused to Ste11 fused to EGFP (the yeast- and FACS-optimized GFP variant yEGFP3)

Reporter gene

Promoter,
splice,
PolyA GAL1

Comments

Reference for pYES/HA-Ste11: Louvion et al. (1998). Mol. Biol. Cell 8, 3071-3083.
for yEGFP3: Mateus and Avery (2000) Yeast 16(14):1313-1323

DIDIER PICARD LAB, University of Geneva

Construct number 1780

Date entered 8.2.05

Constructed by Pierre-André Briand

Date constructed 02/2005

PLASMID NAME

pEYFP-S42

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEYFP-C1

bacterial plasmid

pUC

other relevant source constructs

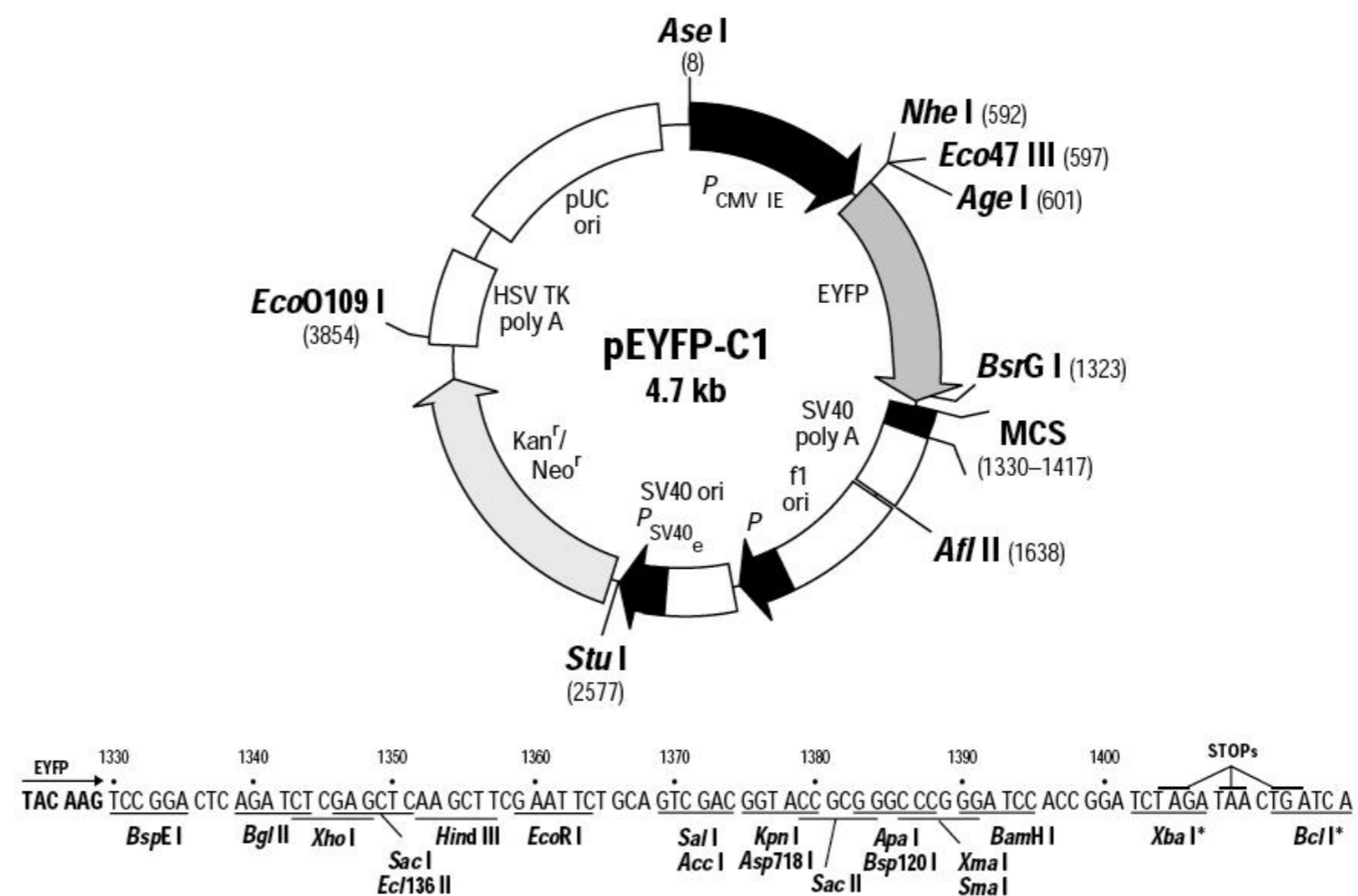
Inserts yellow fluorescent variant of enhanced GFP (YFP) (mutations S65G, V68L, S72A, T203Y, H231L) fused to 42 aa ER α interaction domain of human SPBP (aa 1574-1615)

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - Careful: this plasmid does *not* have the Amp resistance!!!

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 1781

Date entered 8.2.05

Constructed by Pierre-André Briand

Date constructed 03/2005

PLASMID NAME

pET/YFP-S42

bacterial marker Amp

parent vector
pET SPBP (aa 1574-1615)

bacterial plasmid
pBR322

other relevant source constructs
intermediate clones

Inserts His6-tag - thrombin cut site - EYFP (yellow shifted enhanced GFP) - 42 aa
ER α interaction domain of human SPBP (aa 1574-1615)

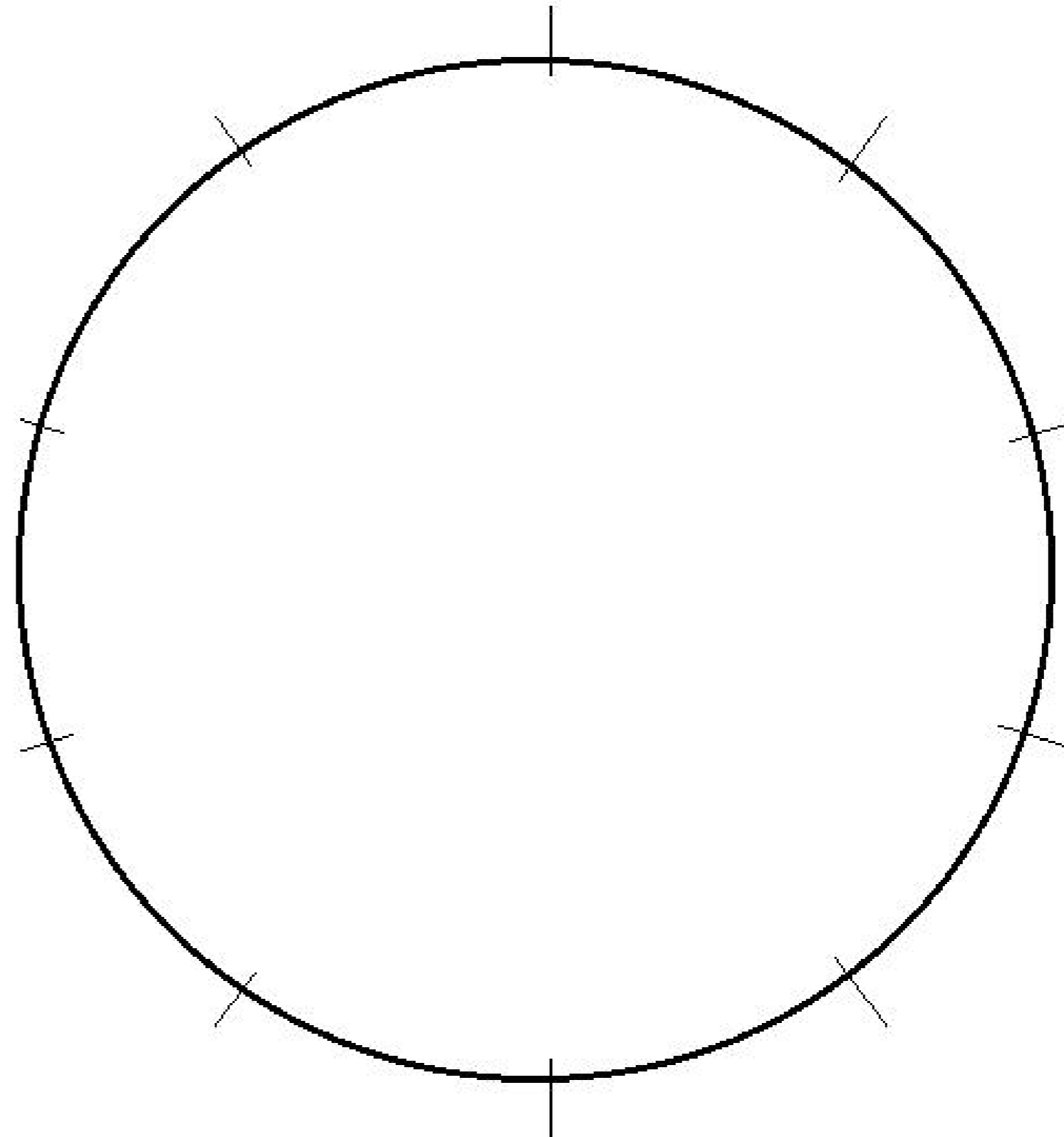
Plasmid carries lacI gene.

Reporter gene

Promoter, T7 promoter and T7 terminator
splice,
PolyA

Comments - entire insert was sequence verified.
- codon 179 (L) of EYFP is CTA in this clone rather than CTC.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 11.2.05

Constructed by Nathalie Bot

Date constructed

PLASMID NAME

gal93 mPKA R195A

bacterial marker Amp

parent vector
pCDNA 3.1 +
bacterial plasmid

other relevant source constructs

Inserts full length mouse PKA fused to gal4DBD at its Nterminus. It is mutated at the aa 195 R to A

Reporter gene

Promoter, CMV
splice, BGH poly A
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1783

Date entered

11.2.05

Constructed by

Nathalie Bot

Date constructed

PLASMID NAME

gal93 mPKA E209A

bacterial marker Amp

parent vector
pCDNA 3.1+
bacterial plasmid

other relevant source constructs

Inserts mouse PKA mutated at the aa E 209 into A .
It is fused at the nterminal to gal4 DBD

Reporter gene

Promoter, CMV
splice, BGH poly A
PolyA

Comments

Reference

Construct number

1784

Date entered

14.2.05

Constructed by

Fred Schaufele

Date constructed

PLASMID NAME

ECFP-ER α

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pECFP-C1

bacterial plasmid

pUC

other relevant source constructs

pSG-HEGO

Inserts cyan fluorescent enhanced GFP mutant fused to full-length human estrogen receptor α

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - Careful: this plasmid does *not* have the Amp resistance!!!
- ER inserted as Sal1/BamH1 PCR fragment.

Reference

Construct number

1785

Date entered

14.2.05

Constructed by

Fred Schaufele

Date constructed

PLASMID NAME

ECFP-ER α -EYFP

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pECFP-C1, pEYFP-N1

bacterial plasmid

pUC

other relevant source constructs

ECFP-ER α , ER α -EYFP

Inserts

cyan fluorescent enhanced GFP mutant fused to full-length human estrogen receptor α fused to yellow-shifted enhanced GFP mutant

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - Careful: this plasmid does *not* have the Amp resistance!!!

Reference

Construct number

1786

Date entered

14.2.05

Constructed by

Fred Schaufele

Date constructed

PLASMID NAME

ER α -EYFP

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEYFP-N1

bacterial plasmid

pUC

other relevant source constructs

pSG-HEGO

Inserts full-length human estrogen receptor α fused to yellow-shifted enhanced GFP mutant

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - Careful: this plasmid does *not* have the Amp resistance!!!
- ER inserted as Sal1/BamH1 PCR fragment

Reference

Construct number

1787

Date entered

27.2.05

Constructed by

From Rothstein R.

Date constructed

PLASMID NAME

pWJ1077

bacterial marker Amp

parent vector

bacterial plasmid

yeast marker HIS3

other relevant source constructs

Inserts

Yeast integrative vector pWJ1077 with *Kluyveromyces lactis* URA3 marker and *Saccharomyces cerevisiae* HIS3 marker, for gene disruption in yeast. *K. lactis* URA3 marker flanked with direct repeats, which makes possible to select on FOA *ura-* recombinants.

KEYWORDS *K. lactis* URA3 adaptamer gene disruption.

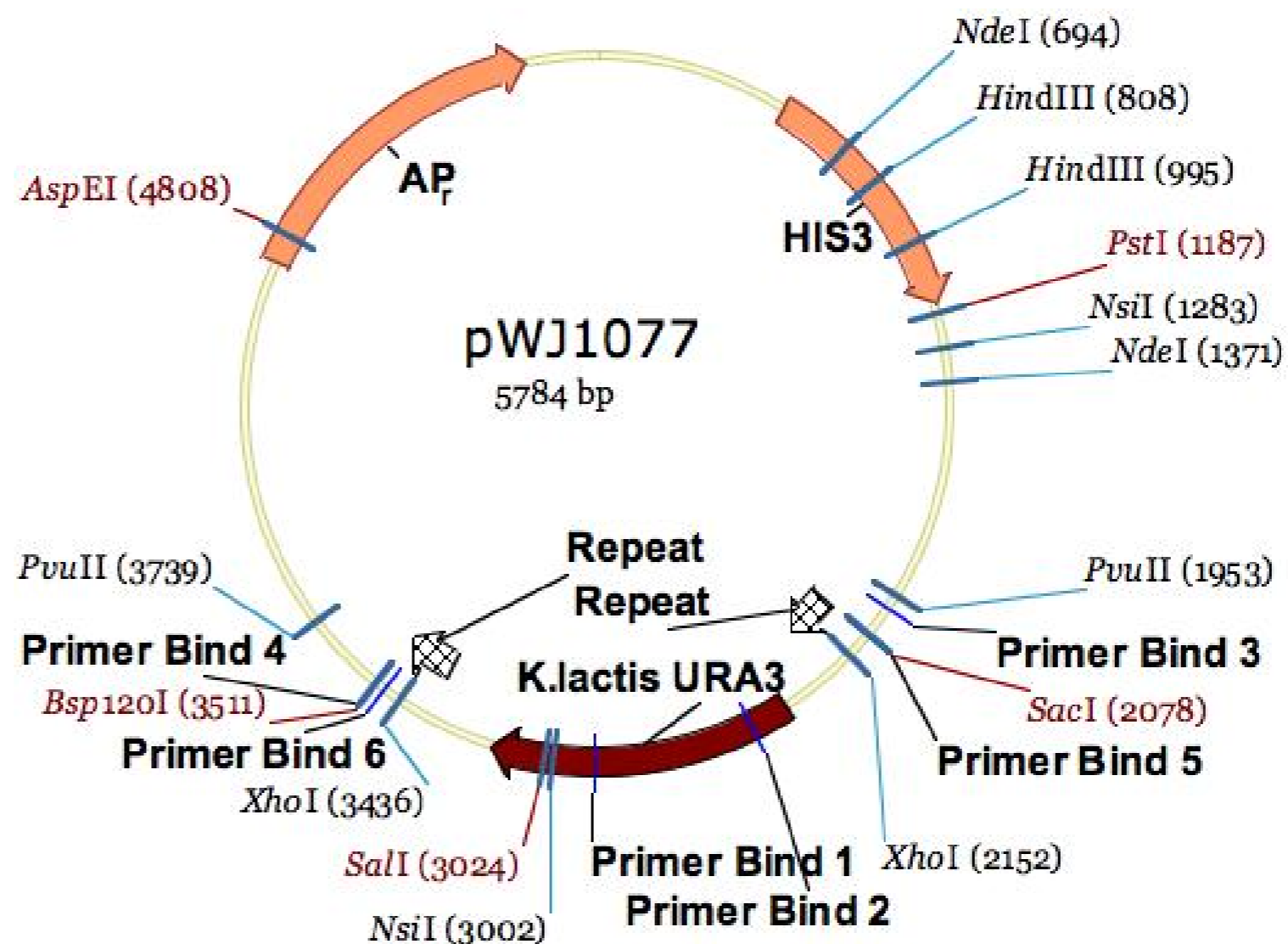
Reporter gene

Promoter,
splice,
PolyA

Comments complete sequence available

Reference

Reid RJ, Sunjevaric I, Kedacche M, Rothstein R.
Efficient PCR-based gene disruption in *Saccharomyces* strains using intergenic primers.
Yeast - 2002 - Mar 15;19(4):319-28



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 27.2.05

Constructed by Peter Dudek

Date constructed

PLASMID NAME

pLG-Flag::OAF1-E543A

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

pLG-Flag::OAF1

bacterial plasmid

other relevant source constructs

Inserts flag tagged full length Oaf1, E543A point mutant

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Phelps et al. (2006) PNAS 103, 7077

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 27.2.05

Constructed by Peter Dudek

Date constructed

PLASMID NAME

pLG-Flag::OAF1-A544S

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

pLG-Flag::OAF1

bacterial plasmid

other relevant source constructs

Inserts full length flag-tagged oaf1, A544S mutant

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Phelps et al. (2006) PNAS 103, 7077

DIDIER PICARD LAB, University of Geneva

Construct number

1790

Date entered

27.2.05

Constructed by

Peter Dudek

Date constructed

PLASMID NAME

pLG-Flag::OAF1-dEA

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

pLG-Flag::OAF1

bacterial plasmid

other relevant source constructs

Inserts

full length flag-tagged Oaf1, with double mutant E543A, A544S. This mutant is dead.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Phelps et al. (2006) PNAS 103, 7077

Construct number

1791

Date entered

28.2.05

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 10.3.05

Constructed by Valentina Gburcik

Date constructed 28.02.05

PLASMID NAME

pGEX2T-AF1(S118A)(1-180)

bacterial marker Amp

parent vector

pGex2T

bacterial plasmid

other relevant source constructs

Inserts AF1 (1-180) region of the human estrogen receptor a mutant (serine 118 mutated to alanine) fused to GST.

Reporter gene

Promoter,
splice,
PolyA

Comments see map of plasmid 1431

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 10.3.05

Constructed by Valentina Gburcik

Date constructed 28.02.05

PLASMID NAME

pGEX2T-AF1(S167E)(1-180)

bacterial marker Amp

parent vector
pGEX-2T
bacterial plasmid

other relevant source constructs

Inserts AF1 (1-180) region of the human estrogen receptor a mutant (serine167 mutated to glutamic acid) fused to GST

Reporter gene

Promoter,
splice,
PolyA

Comments see map of plasmid 1431

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 10.3.05

Constructed by Valentina Gburcik

Date constructed 28.02.05

PLASMID NAME

pGEX2T-AF1(S167A)(1-180)

bacterial marker Amp

parent vector
pGEX-2T
bacterial plasmid

other relevant source constructs

Inserts AF1 (1-180) region of the human estrogen receptor a mutant (serine167 mutated to alanine) fused to GST

Reporter gene

Promoter,
splice,
PolyA

Comments see map of plasmid 1431

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 10.3.05

Constructed by Valentina Gburcik

Date constructed 28.02.05

PLASMID NAME

pGEX2T-AF1(S118/167E)

bacterial marker Amp

parent vector
pGEX-2T
bacterial plasmid

other relevant source constructs

Inserts AF1 (1-180) region of the human estrogen receptor a mutant (serines 118 and 167 mutated to glutamic acid) fused to GST.

Reporter gene

Promoter,
splice,
PolyA

Comments see map of plasmid 1431

Reference

Construct number

1796

Date entered

21.3.05

Constructed by

Keith Yamamoto's lab

Date constructed

PLASMID NAME

pEGFP-N795

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEGFP-C?

bacterial plasmid

pUC

other relevant source constructs

Inserts

EGFP fused to the full-length rat glucocorticoid receptor (GR)

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments

Careful: this plasmid does *not* have the Amp resistance!!!

Reference

Freedman and Yamamoto (2004) MBC 15, 2276.

Construct number

1797

Date entered

21.3.05

Constructed by

Keith Yamamoto's lab

Date constructed

PLASMID NAME

pEGFP-N795 K513-515A

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEGFP-C?

bacterial plasmid

pUC

other relevant source constructs

pEGFP-N795

Inserts

EGFP fused to the full-length rat glucocorticoid receptor (GR) with a mutation of NL1 (K513A-K514A-K515A)

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments

Careful: this plasmid does *not* have the Amp resistance!!!

Reference

Freedman and Yamamoto (2004) MBC 15, 2276.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 1.4.05

Constructed by Pierre-André Briand

Date constructed 03/2005

PLASMID NAME

pET/mTrap1 Δ N2

bacterial marker Amp

parent vector

pET-15b

bacterial plasmid

pBR322

other relevant source constructs

pET/mTrap1 Δ N as PCR template

Inserts mouse Trap1 AA 292-707 (i.e. lacks N-terminal 291 AA) with N-terminal His6-tag and thrombin cut site.

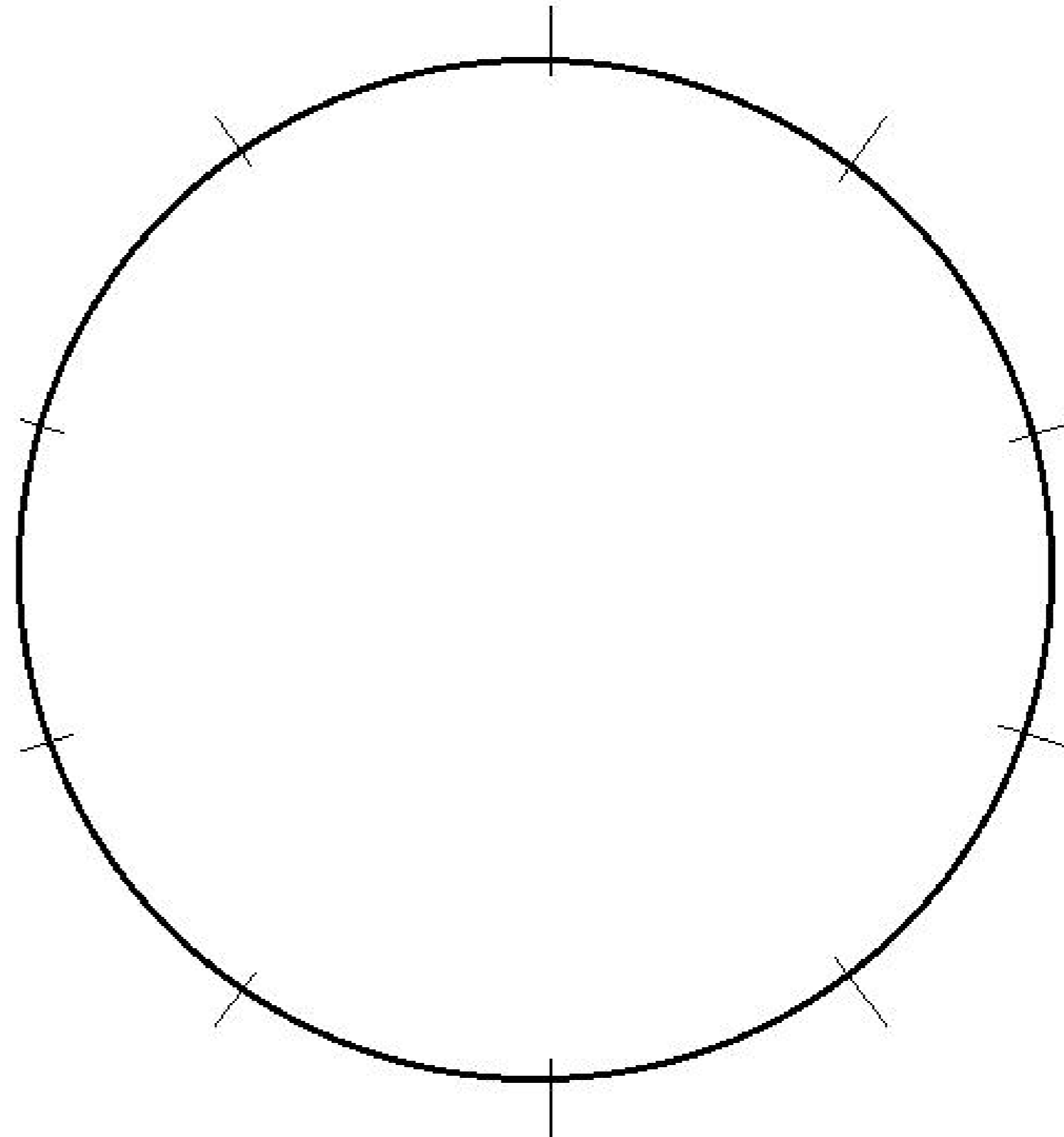
Plasmid carries lacI gene.

Reporter gene

Promoter, splice, PolyA T7 promoter and T7 transcription terminator

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 1799

Date entered 15.4.05

Constructed by Pierre-André Briand

Date constructed 04/2005

PLASMID NAME

pEYFP-p23 K95A

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEYFP-p23

bacterial plasmid

pUC

other relevant source constructs

Inserts EYFP fused to human p23 with mutation K95A (codon AAG is changed to GCG destroying a Hind3 site)

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - Careful: this plasmid does *not* have the Amp resistance!!!
- for sequence, see pEYFP-p23
- human p23 ORF is between EcoRI and BamHI

Reference Picard (2006) Exp. Cell Res. 312, 198

DIDIER PICARD LAB, University of Geneva

Construct number

1800

Date entered

20.4.05

Constructed by

Nathalie Bot

Date constructed

PLASMID NAME

Gal4 (1-93) ct

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

pcDNA3.1+

bacterial plasmid

other relevant source constructs

Inserts

insertion of Gal4DBD (1-93) in the MCS of pcDNA3.1+ . This Gal4 is meant to be fused to the cterminus of any gene. The gal4 gene has a stop codon.

Insertion between Hind 3 and XbaI

Reporter gene

Promoter, CMV
splice, BGH poly A
PolyA

Comments gal93 insert has been sequenced by fasteris: DM 67 . the 20 April 05

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.4.05

Constructed by Nathalie

Date constructed

PLASMID NAME

mErk2-gal93

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

pcDNA 3.1+

bacterial plasmid

other relevant source constructs

Inserts mouse Erk2 gene fused to gal4DBD at its cterminus

Reporter gene

Promoter, CMV, T7
splice, BGH poly A
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 1802

Date entered 6.5.05

Constructed by Pierre-André Briand

Date constructed 05/2005

PLASMID NAME

pEYFP-p23 W106A

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEYFP-p23

bacterial plasmid

pUC

other relevant source constructs

Inserts EYFP fused to human p23 with mutation W106A (codons AAT TGG changed to AAC GCG introducing a BstU1 site)

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - Careful: this plasmid does *not* have the Amp resistance!!!
- for sequence, see pEYFP-p23
- human p23 ORF is between EcoRI and BamHI

Reference Picard (2006) Exp. Cell Res. 312, 198

DIDIER PICARD LAB, University of Geneva

Construct number 1803

Date entered 13.5.05

Constructed by Pierre-André Briand

Date constructed 11.2004

PLASMID NAME

pET/Trx.Oaf1sLBD(AS)

bacterial marker Amp

parent vector
pET-32Ek/LIC
bacterial plasmid

other relevant source constructs
pET/Trx.Oaf1sLBD, double mutant in pETX

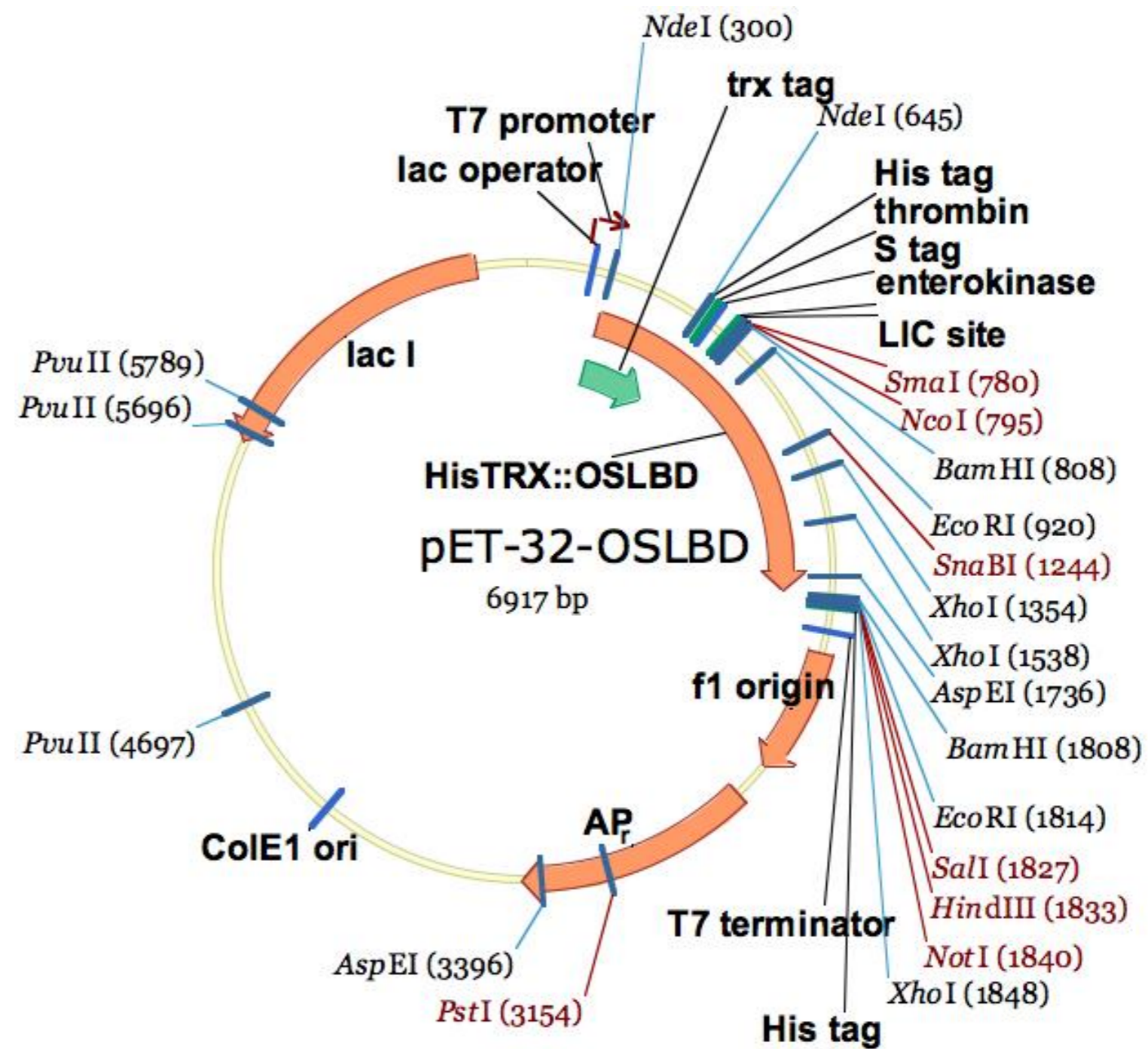
Inserts Oaf1 ligand binding domain (LBD) (AA 244-573) with double mutant E543A/A544S, preceded by Thioredoxin (105 AAs) - His6 tag - thrombin cut site - S-tag - LIC site

Reporter gene

Promoter, splice, PolyA
T7 promoter, lac operator

Comments - for expression of mentioned fusion protein in E. coli
- only has the His6 tag between Trx and Oaf1, not the C-terminal one.

Reference Phelps et al. (2006) PNAS 103, 7077



DIDIER PICARD LAB, University of Geneva

Construct number

1804

Date entered

19.5.05

Constructed by

Morag MacLean

Date constructed

29.04.05

PLASMID NAME

pUC/Myr

bacterial marker Amp

parent vector

pUC18

bacterial plasmid

other relevant source constructs

Inserts

Cloned the myristolation tag into pUC18 at the BamHI site.
Myr DNA was obtained from primers

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

1805

Date entered

20.5.05

Constructed by

Date constructed

PLASMID NAME

pECFP-C1

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

bacterial plasmid

pUC

other relevant source constructs

Inserts cyan fluorescent enhanced GFP mutant

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments Careful: this plasmid does *not* have the Amp resistance!!!

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1806

Date entered

25.5.05

Constructed by

Pierre-André Briand

Date constructed

05/2005

PLASMID NAME

pECFP-p23

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pECFP-C1

bacterial plasmid

pUC

other relevant source constructs

pEYFP-p23

Inserts ECFP fused to human p23.

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - Careful: this plasmid does *not* have the Amp resistance!!!
- human p23 ORF is between EcoRI and BamHI
- sequence available for the EYFP equivalent

Reference

Construct number 1807

Date entered 20.6.05

Constructed by Bob Weinberg lab, via Addgene

Date constructed

PLASMID NAME

pBABE-neo-largeTcDNA

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector pBABE-neo

bacterial plasmid

other relevant source constructs

Inserts SV40 large T-antigen in retroviral expression vector with neo marker

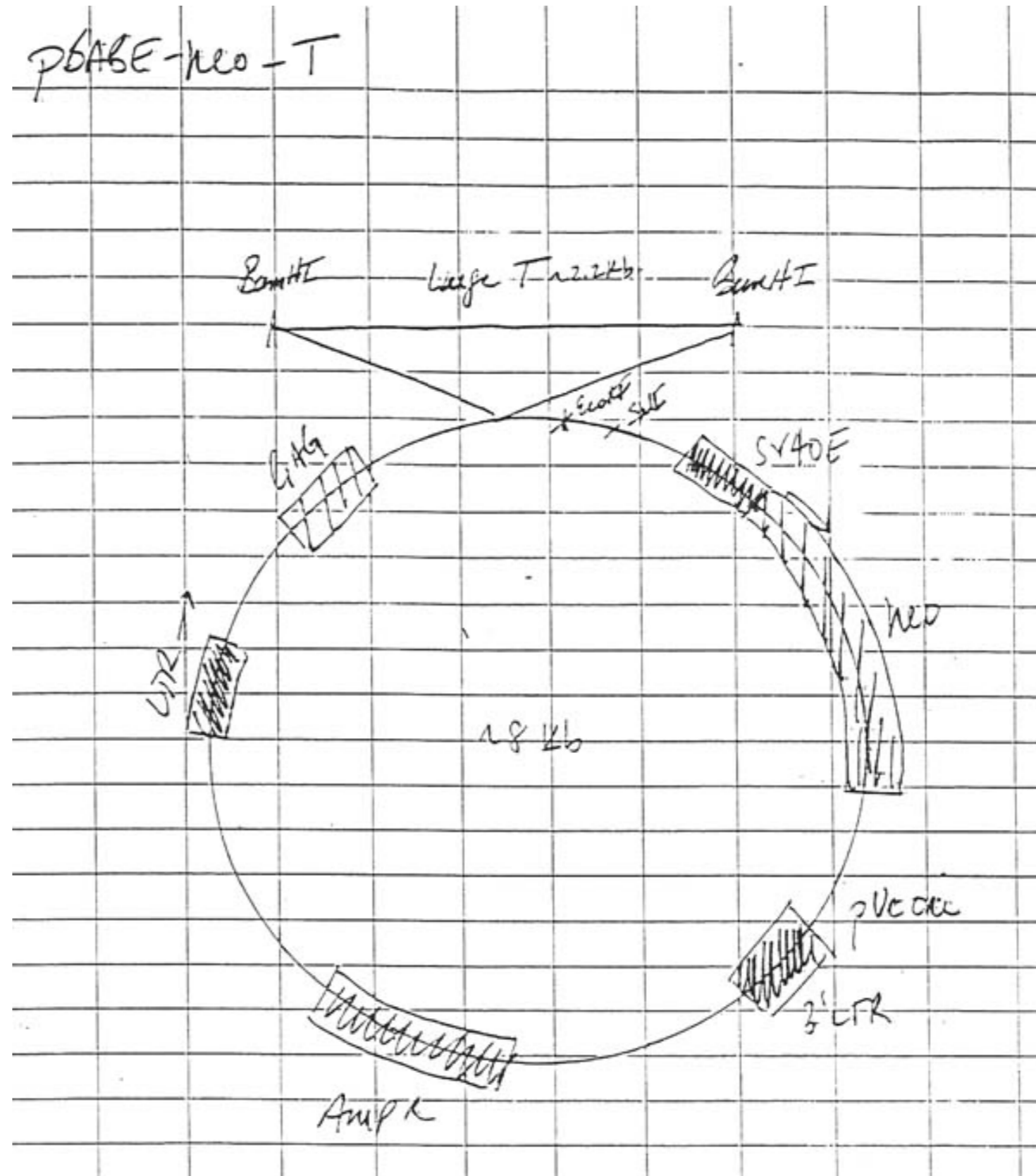
Reporter gene

Promoter, splice, PolyA - Moloney murine leukemia virus LTR
- neo gene driven by internal SV40 enhancer / early promoter

Comments - T-antigen sequences are on a 2.2 kb BamHI fragment.
- received from addgene.org (plasmid # 1780)
- note that the DNA yield of this plasmid has been very poor (only a few µg for 50-100 ml cultures). Hence, consider growing rather large preps.

Reference for parent vector: Morgenstern JP, Land H., 1990, Nucleic Acids Research 18(12):3587-96

for this plasmid: Hahn et al. (2002) MCB 22, 2111



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 23.6.05

Constructed by Peter

Date constructed

PLASMID NAME

pLG-Flag::OAF1-V537A

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

pLG-Flag::OAF1

bacterial plasmid

other relevant source constructs

Inserts flag tagged full length Oaf1, with point mutation.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 23.6.05

Constructed by Peter

Date constructed

PLASMID NAME

pLG-Flag::OAF1-T538A

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

pLG-Flag::OAF1

bacterial plasmid

other relevant source constructs

Inserts flag tagged full length Oaf1, with point mutation.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 23.6.05

Constructed by Peter

Date constructed

PLASMID NAME

pLG-Flag::OAF1-V539A

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

pLG-Flag::OAF1

bacterial plasmid

other relevant source constructs

Inserts flag tagged full length Oaf1, with point mutation.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 23.6.05

Constructed by Peter

Date constructed

PLASMID NAME

pLG-Flag::OAF1-C540A

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

pLG-Flag::OAF1

bacterial plasmid

other relevant source constructs

Inserts flag tagged full length Oaf1, with point mutation.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 23.6.05

Constructed by Peter

Date constructed

PLASMID NAME

pLG-Flag::OAF1-S541A

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

pLG-Flag::OAF1

bacterial plasmid

other relevant source constructs

Inserts flag tagged full length Oaf1, with point mutation.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 23.6.05

Constructed by Peter

Date constructed

PLASMID NAME

pLG-Flag::OAF1-F542A

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

pLG-Flag::OAF1

bacterial plasmid

other relevant source constructs

Inserts flag tagged full length Oaf1, with point mutation.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1814

Date entered

12.7.05

Constructed by

Morag MacLean & Diana Wider

Date constructed

01.06.05

PLASMID NAME

pEscLeu/c-Src

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pEscLeu & pRSP-c-Src

bacterial plasmid

other relevant source constructs

Inserts

pRSP-c-Src cut with BamHI and the 1.6 kb chicken c-Src insert cloned into pEscLeu at BamHI site

Reporter gene

Promoter,
splice,
PolyA GAL1 promoter

Comments

The pombe pRSP-c-Src plasmid is from Giulio Superti-Furga

Reference

Construct number

1815

Date entered

22.7.05

Constructed by

Date constructed

PLASMID NAME

Pf Hsp90

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 1816

Date entered 4.8.05

Constructed by P.A. Briand

Date constructed Aug. 2005

PLASMID NAME

pRS313/PfHsp90

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector
pRS313/GPD-PGK

bacterial plasmid
Bluescript

other relevant source constructs
pGEX-PfHsp90

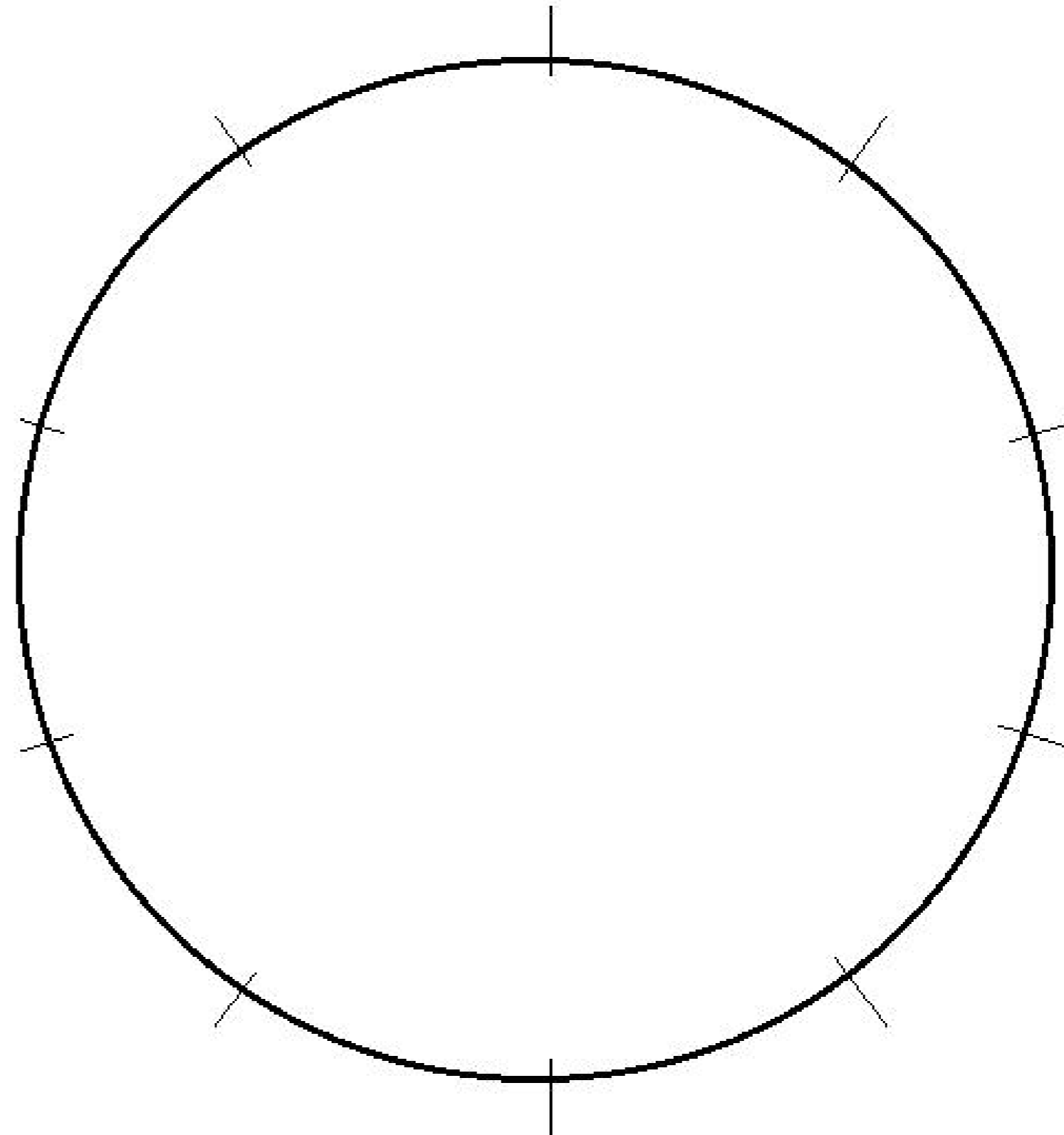
Inserts Plasmodium falciparum Hsp90

Reporter gene

Promoter, splice, PolyA GPD promoter, PGK terminator

Comments

Reference Wider et al. (2009) Mol. Biochem. Parasitol. 164, 147



DIDIER PICARD LAB, University of Geneva

Construct number

1817

Date entered

17.8.05

Constructed by

Morag MacLean & Diana Wider

Date constructed

03/07/05

PLASMID NAME

pEscTrp/Gpr30Flag

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pCMV-gpr30

bacterial plasmid

other relevant source constructs

pEscTrp

Inserts

Amplified GPR30 from pCMV-gpr30 (nr. 1703) with primers Fgpr30EcoRI and Rgpr30Clal, which removes the stop codon. Cloned 1.2 kb product into pEscTrp at EcoRI and Clal sites, cloning in frame with Flag tag at C-term.

Reporter gene

Promoter,
splice,
PolyA GAL10

Comments Sequencing shows grp30 in frame with flag

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1818

Date entered

17.8.05

Constructed by

Morag MacLean & Diana Wider

Date constructed

PLASMID NAME

pEscTrp/CSK

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pAU-csk

bacterial plasmid

other relevant source constructs

pEscTrp

Inserts

Cut 2.1 kb BamHI insert from pAU-csk (nr. 1705). Cloned csk (human C-terminal src kinase) into pEscTrp (no tag!)

Reporter gene

Promoter,
splice,
PolyA

GAL1

Comments

co-expression of csk with src should reduce the toxicity of src.

Reference

Construct number
 Constructed by Trono lab

Date entered 30.8.05
 Date constructed

PLASMID NAME

pLVC

bacterial marker Amp	parent vector
vertebrate marker GPT	bacterial plasmid pUC
eucaryotic replicon SV40 ori	other relevant source constructs

Inserts lentiviral vector for ubiquitous expression of EGFP or other cDNAs from CMV enhancer - chicken β-actin promoter.

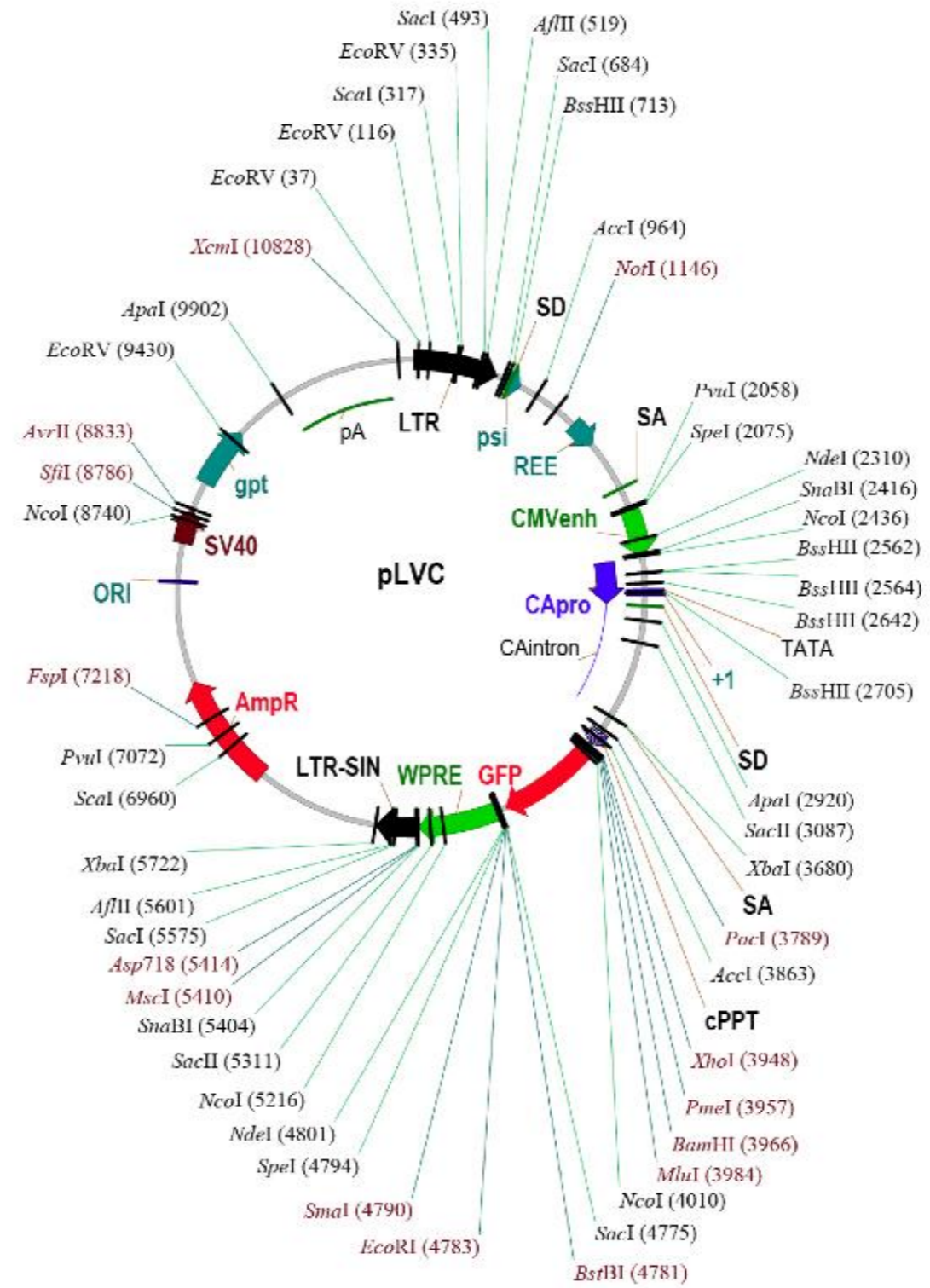
Other features: the post-transcriptional regulatory element of woodchuck hepatitis virus (WPRE, abbreviated in plasmid names) has been inserted to enhance transgene expression as well as a central polypurine tract (cPPT), a cis-acting element that improves the efficiency of gene transfer by a few-fold in many targets

Reporter gene

Promoter, splice, PolyA

Comments - sequence available
 - if a cDNA is inserted upstream of GFP, e.g. in BamHI site, GFP does not get expressed anymore

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

1820

Date entered

31.8.05

Constructed by

Morag MacLean & Diana Wider

Date constructed

23.08.05

PLASMID NAME

p2HG/MyrER α HBD

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

other relevant source constructs

pGex/ER α HBD (nr. 1202) & pUC/Myr (nr. 1804)

Inserts

Myristoylation tag fused upstream and in frame with the ER alpha HBD (aa282-595).

Reporter gene

Promoter,
splice,
PolyA

Comments

For expression of Myr tagged ER HBD in yeast, which should be membrane targeted.

Reference

Construct number

1821

Date entered

1.9.05

Constructed by

Roger Tsien lab

Date constructed

PLASMID NAME

mCherry

bacterial marker Amp

parent vector

pRSET-B

bacterial plasmid

pUC

other relevant source constructs

Inserts monomeric Cherry variant of red fluorescent protein from Discosoma sp.

Reporter gene

Promoter, T7
splice,
PolyA

Comments - bacterial (**not mammalian!**) expression vector with His6 tag
- sequence available

Reference Shaner et al. (2004) Nat. Biotechnol. 22, 1567.

Construct number

1822

Date entered

1.9.05

Constructed by

Roger Tsien lab

Date constructed

PLASMID NAME

tdTomato

bacterial marker Amp

parent vector

pRSET-B

bacterial plasmid

pUC

other relevant source constructs

Inserts

tandem dimeric Tomato variant of red fluorescent protein from *Discosoma* sp.

Reporter gene

Promoter,
splice,
PolyA

T7

Comments

- bacterial expression vector with His6 tag
- sequence available

Reference

Shaner et al. (2004) Nat. Biotechnol. 22, 1567.

DIDIER PICARD LAB, University of Geneva

Construct number

1823

Date entered

1.9.05

Constructed by

Pierre-André Briand

Date constructed

08/05

PLASMID NAME

pEGFP-p23

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEGFP-C1

bacterial plasmid

pUC

other relevant source constructs

pEYFP-p23

Inserts EGFP fused to human p23.

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - Careful: this plasmid does *not* have the Amp resistance!!!
- human p23 ORF is between EcoRI and BamHI

Reference Picard et al. (2006) Exp. Cell Res. 312, 3949

DIDIER PICARD LAB, University of Geneva

Construct number

1824

Date entered

1.9.05

Constructed by

Pierre-André Briand

Date constructed

08/05

PLASMID NAME

pEGFP-p23 W106A

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEGFP-C1

bacterial plasmid

pUC

other relevant source constructs

pEYFP-p23

Inserts

EGFP fused to human p23 with mutation W106A (codons AAT TGG changed to AAC GCG introducing a BstU1 site)

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments

- Careful: this plasmid does *not* have the Amp resistance!!!
- human p23 ORF is between EcoRI and BamHI

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 1825

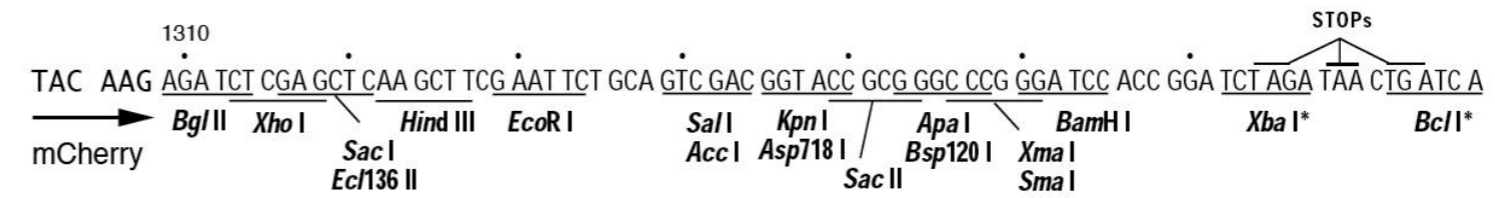
Date entered 1.9.05

Constructed by Pierre-André Briand

Date constructed 08/2005

PLASMID NAME

pmCherry-C1



bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEGFP-C1

bacterial plasmid

pUC

other relevant source constructs

mCherry

Inserts monomeric Cherry variant of red fluorescent protein from *Discosoma* sp. followed by polylinker for fusions

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - mammalian expression vector for C-terminal mCherry fusions
 - sequence available

Reference - for mCherry: Shaner et al. (2004) Nat. Biotechnol. 22, 1567.
 - this plasmid: Picard et al. (2006) Exp. Cell Res. 312, 3949

DIDIER PICARD LAB, University of Geneva

Construct number 1826

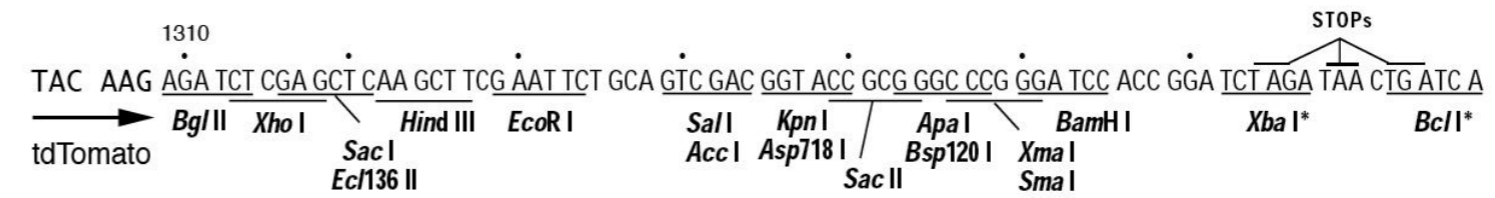
Date entered 1.9.05

Constructed by Pierre-André Briand

Date constructed 08/2005

PLASMID NAME

ptdTomato-C1



bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEGFP-C1

bacterial plasmid

pUC

other relevant source constructs

tdTomato

Inserts tandem dimeric Tomato variant of red fluorescent protein from *Discosoma* sp. followed by polylinker for fusions

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - mammalian expression vector for C-terminal tdTomato fusions
 - sequence available

Reference for tdTomato: Shaner et al. (2004) Nat. Biotechnol. 22, 1567.

DIDIER PICARD LAB, University of Geneva

Construct number 1827

Date entered 1.9.05

Constructed by Pierre-André Briand

Date constructed 08/2005

PLASMID NAME

pmCherry-p23

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pmCherry-C1

bacterial plasmid

pUC

other relevant source constructs

pEYFP-p23

Inserts mCherry fused to human p23

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - p23 coding region is between EcoRI and BamHI sites of vector
- sequence available

- deposited in Addgene with plasmid ID 108224

Reference Picard et al. (2006) Exp. Cell Res. 312, 3949

DIDIER PICARD LAB, University of Geneva

Construct number

1828

Date entered

1.9.05

Constructed by

Pierre-André Briand

Date constructed

08/2005

PLASMID NAME

ptdTomato-p23

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

ptdTomato-C1

bacterial plasmid

pUC

other relevant source constructs

pEYFP-p23

Inserts tdTomato fused to human p23

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - p23 coding region is between EcoRI and BamHI sites of vector

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.9.05

Constructed by Valentina Gburcik

Date constructed 01.09.05

PLASMID NAME

pET32 AF1(S167E)

bacterial marker Amp

parent vector
pET32 Ek/LIC
bacterial plasmid

other relevant source constructs

Inserts AF1 (1-180) region of the human estrogen receptor a mutant (serine167 mutated to glutamic acid) inserted in BamHI/EcoRI sites of the vector pET32 Ek/LIC (in frame with His and thioredoxin tags).

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1830

Date entered

19.9.05

Constructed by

Pierre-André Briand

Date constructed

09/2005

PLASMID NAME

BS/mp23

bacterial marker Amp

parent vector

Bluescript (+)

bacterial plasmid

other relevant source constructs

MGC-5681

Inserts

mouse p23 ORF with BamHI sites upstream and downstream of AUG and stop codon, respectively.

Reporter gene

Promoter,
splice,
PolyA

T3, T7

Comments

- sequence available
- T7 is on 3' side of ORF

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 1831

Date entered 7.10.05

Constructed by Pierre-André Briand

Date constructed 10/2005

PLASMID NAME

pTom.GR

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

ptdTomato-C1

bacterial plasmid

pUC

other relevant source constructs

SV.4C, pC7G

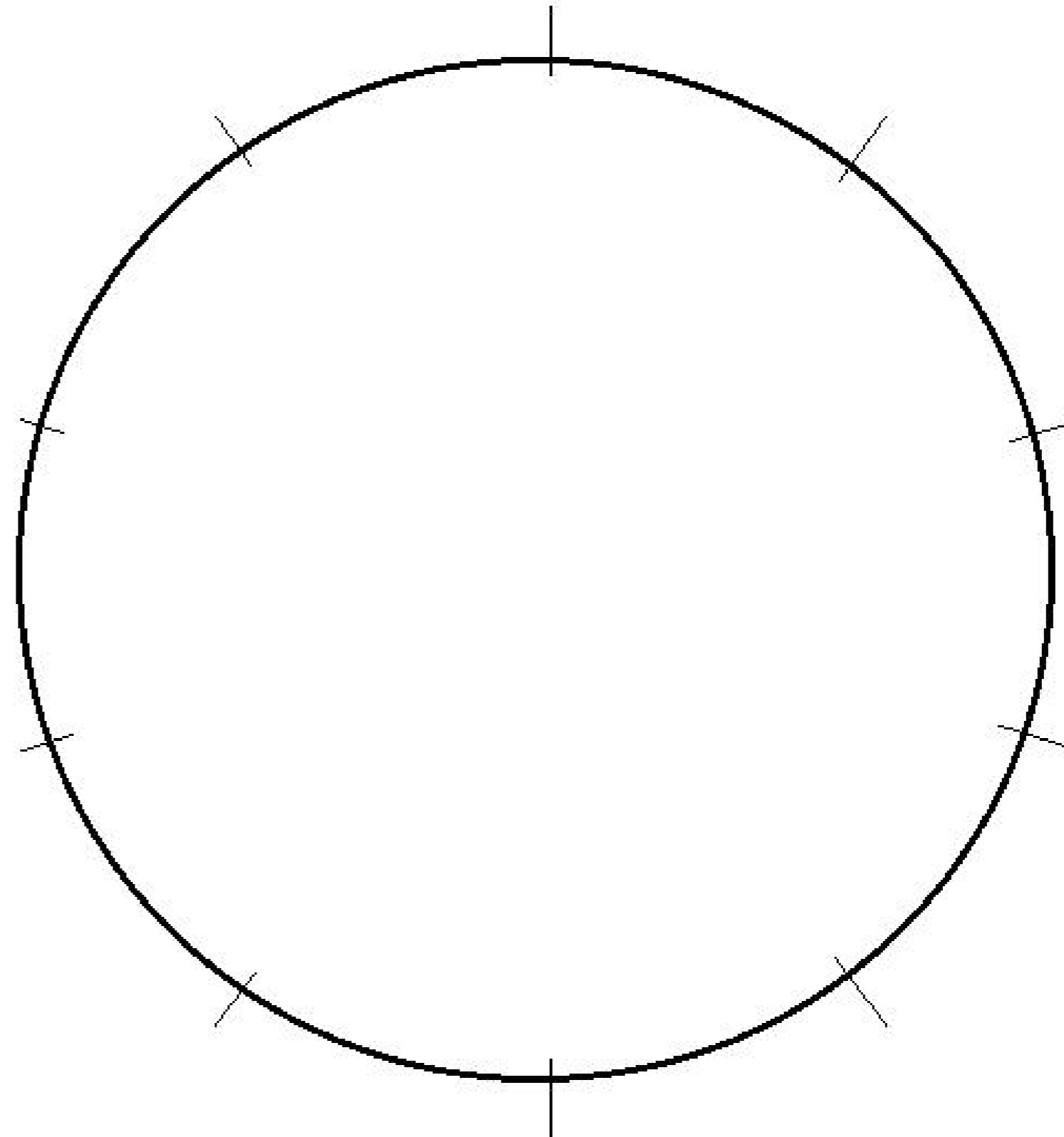
Inserts tandem dimeric Tomato variant of red fluorescent protein from *Discosoma* sp. fused to full-length rat glucocorticoid receptor (GR)

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - relevant GR sequence is from pC7G. Note that codon D236 is GAT (still D) and therefore contains new Bgl2 site.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 11.10.05

Constructed by Pierre-André Briand

Date constructed 10.05

PLASMID NAME

CER α Ch

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pmCherry-C1

bacterial plasmid

pUC

other relevant source constructs

ECFP.ER α .EYFP, pRSET-mCherry

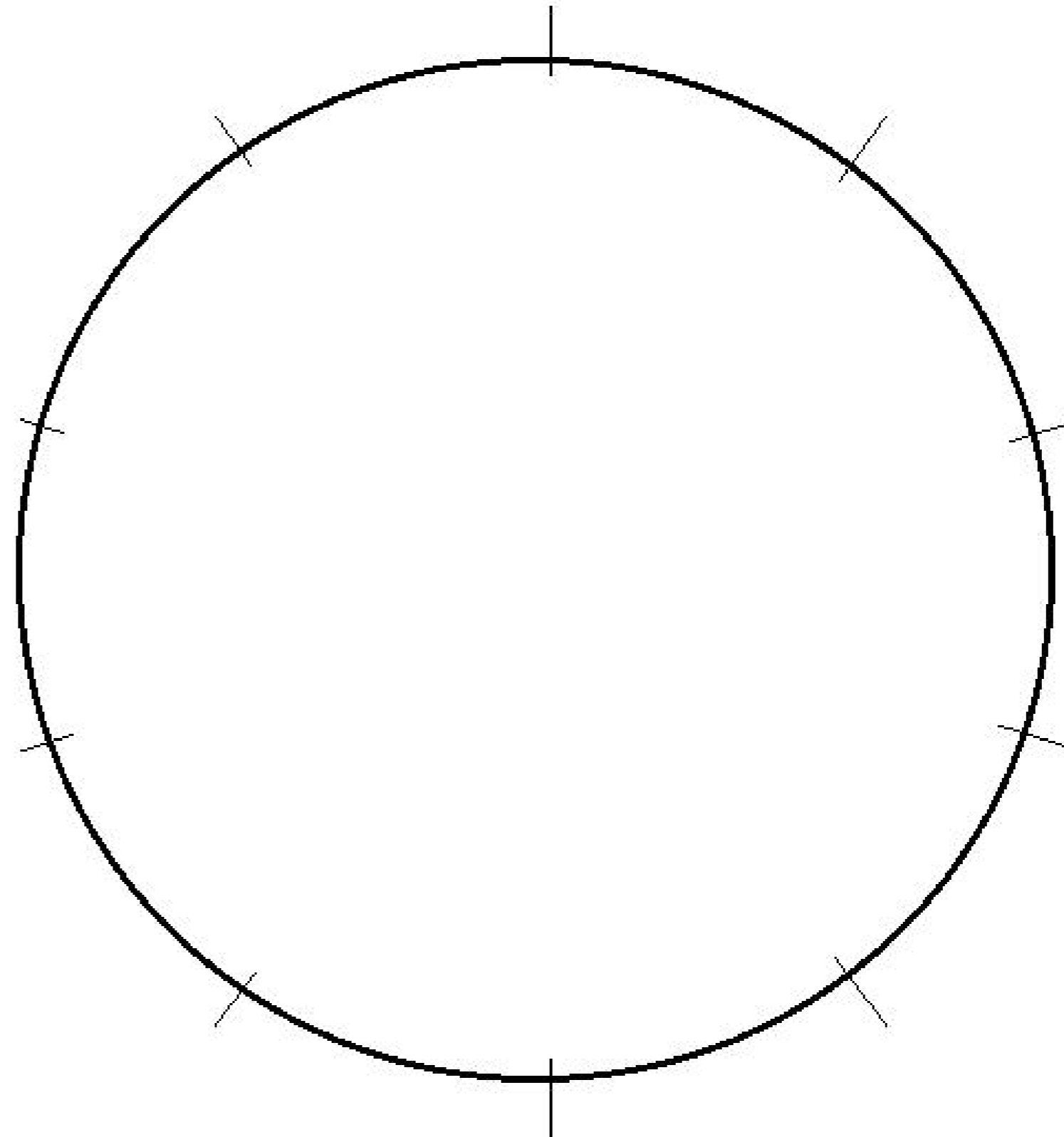
Inserts ECFP fused to full-length human estrogen receptor α fused to mCherry

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 polyA
PolyA

Comments

Reference



Construct number

1833

Date entered

13.10.05

Constructed by

E. Prossnitz lab

Date constructed

PLASMID NAME

GPR30/AS

bacterial marker Amp

vertebrate marker Hygromycin

eucaryotic replicon SV40 ori

parent vector

pcDNA3.1 Hygro (-)

bacterial plasmid

pUC

other relevant source constructs

Inserts entire ORF of human GPR30 in reverse orientation

Reporter gene

Promoter,
splice,
PolyA

- CMV promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments - antisense expression vector for mammalian cells
- received from Marcello Maggiolini

Reference Revankar et al. (2005) Science 307, 1625.

Construct number 1834

Date entered 13.10.05

Constructed by K. Nose

Date constructed

PLASMID NAME

Fos-Luc

alternative name

Rep-1

bacterial marker Amp

parent vector
pGL3 (Promega)
bacterial plasmid

other relevant source constructs

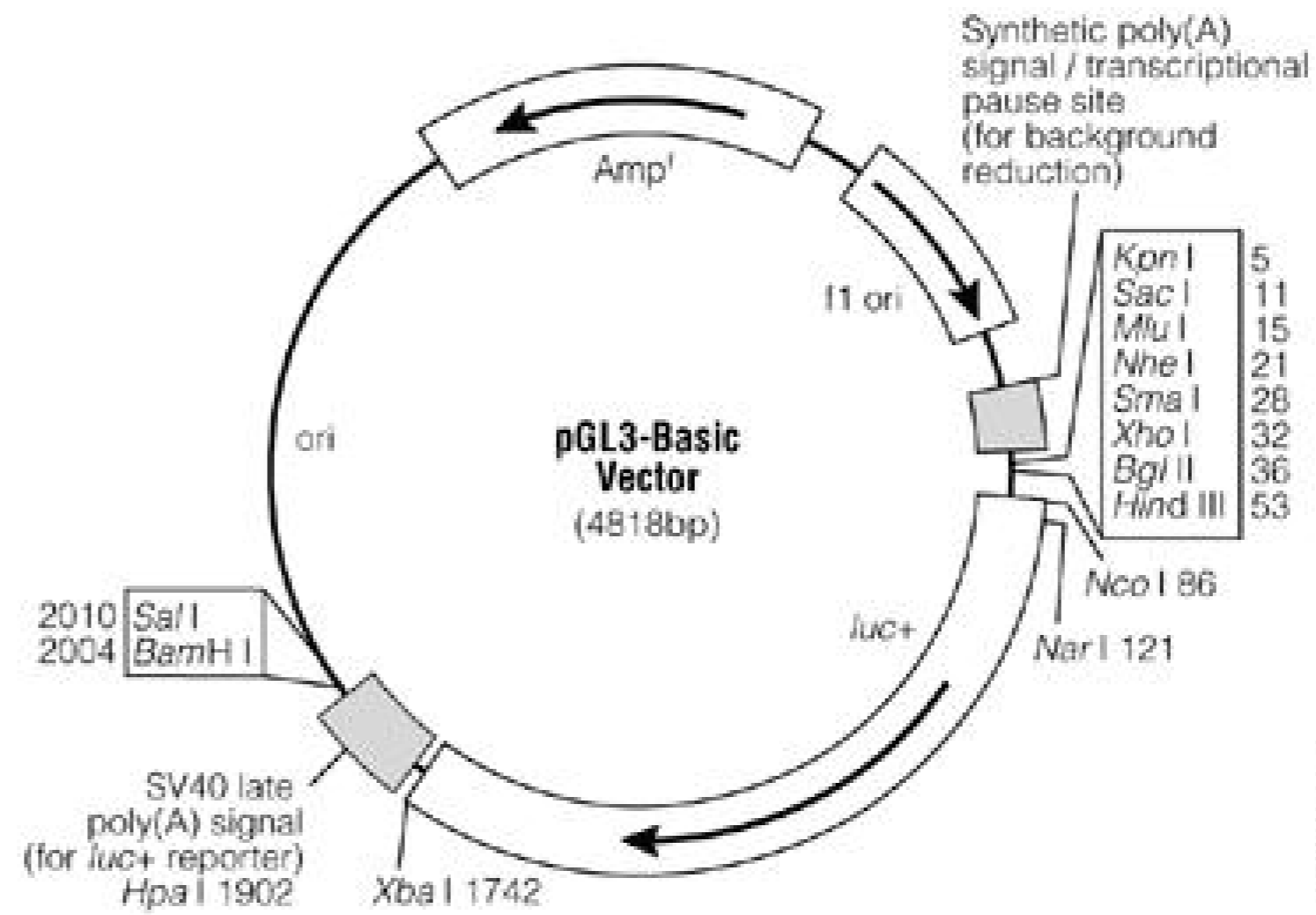
Inserts

Reporter gene luciferase

Promoter, - human c-fos promoter region (-2.2 kb to ~+1 bp)
splice, - SV40 late polyA signal
PolyA - an additional synthetic polyA signal precedes the promoter fragment

Comments - received from Marcello Maggiolini

Reference Kim-Kaneyama et al. (2000) JBC 275, 20685.



0746V408_4A

Construct number 1835

Date entered 13.10.05

Constructed by K. Nose

Date constructed

PLASMID NAME

Δ ERE Fos-Luc

alternative name

Rep-3

bacterial marker Amp

parent vector
pGL3 (Promega)
bacterial plasmid

other relevant source constructs

Inserts

Reporter gene luciferase

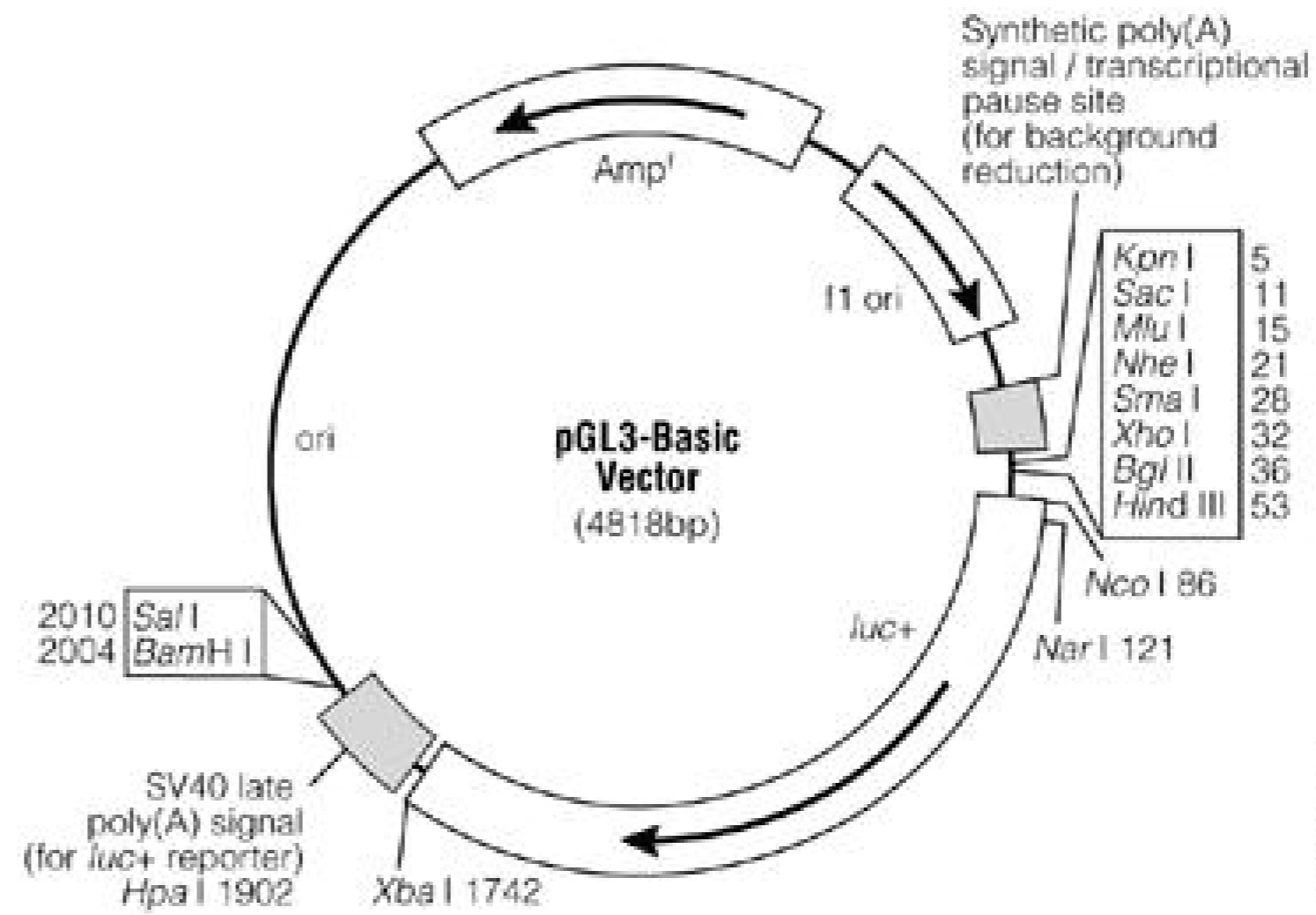
Promoter,
splice,
PolyA

- human c-fos promoter region (-1.172 kb to ~+1 bp)
- SV40 late polyA signal
- an additional synthetic polyA signal precedes the promoter fragment

Comments

- received from Marcello Maggiolini
- lacks ERE of human Fos promoter, located around -1.3 kb.

Reference Kim-Kaneyama et al. (2002) BBRC 299, 360.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.10.05

Constructed by Pierre-André Briand

Date constructed 10.05

PLASMID NAME

pLmp23

bacterial marker Amp

vertebrate marker GPT

eucaryotic replicon SV40 ori

parent vector

pLVC

bacterial plasmid

pUC

other relevant source constructs

BS/mp23

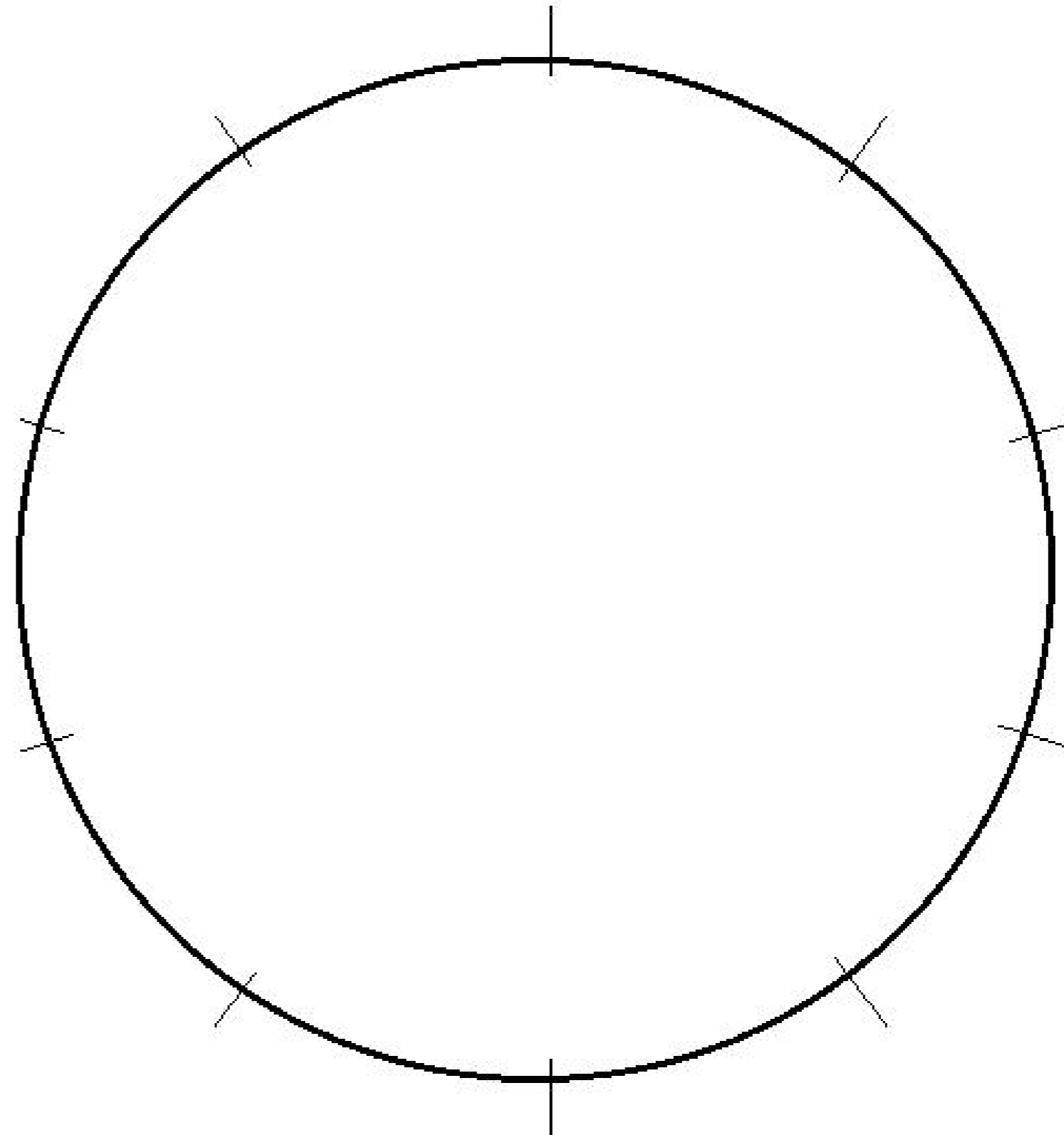
Inserts wild-type mouse p23 ORF in lentiviral vector for ubiquitous expression

Reporter gene

Promoter, - CMV enhancer - chicken β -actin promoter
splice, - Other features: the post-transcriptional regulatory element of woodchuck
PolyA hepatitis virus (WPRE, abbreviated in plasmid names) has been inserted to enhance transgene expression as well as a central polypurine tract (cPPT), a cis-acting element that improves the efficiency of gene transfer by a few-fold in many targets

Comments - sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.10.05

Constructed by Pierre-André Briand

Date constructed 10.05

PLASMID NAME

pLmp23Y9A

bacterial marker Amp

vertebrate marker GPT

eucaryotic replicon SV40 ori

parent vector

pLVC

bacterial plasmid

pUC

other relevant source constructs

BS/mp23 Y9A

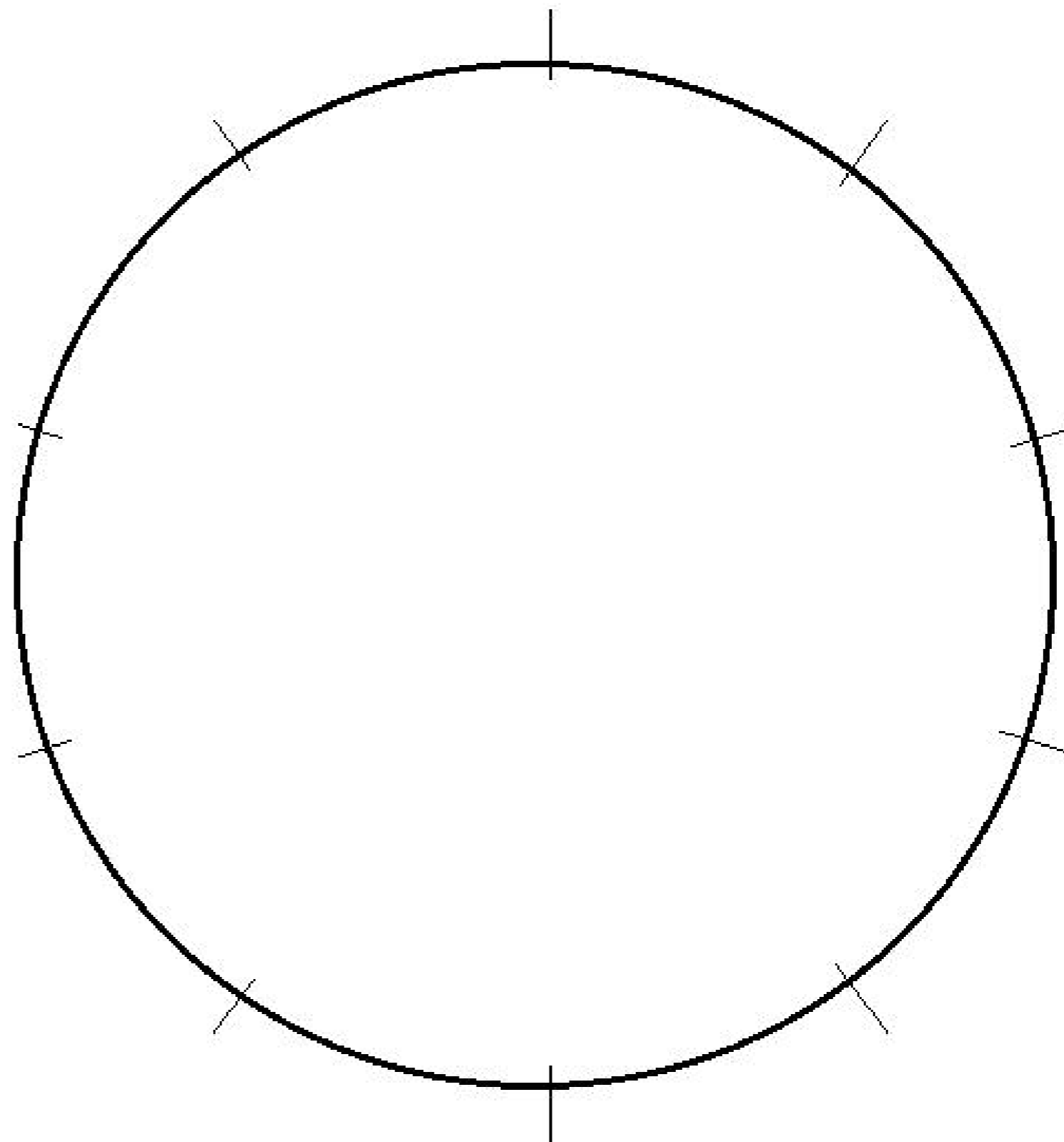
Inserts Y9A mutant of mouse p23 in lentiviral vector for ubiquitous expression

Reporter gene

Promoter, - CMV enhancer - chicken β -actin promoter
splice, - Other features: the post-transcriptional regulatory element of woodchuck
PolyA hepatitis virus (WPRE, abbreviated in plasmid names) has been inserted to enhance transgene expression as well as a central polypurine tract (cPPT), a cis-acting element that improves the efficiency of gene transfer by a few-fold in many targets

Comments codon 9 is changed to GCC

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

1838

Date entered

13.10.05

Constructed by

Pierre-André Briand

Date constructed

10.05

PLASMID NAME

pLmp23W98A

bacterial marker Amp

vertebrate marker GPT

eucaryotic replicon SV40 ori

parent vector

pLVC

bacterial plasmid

pUC

other relevant source constructs

BS/mp23 W98A

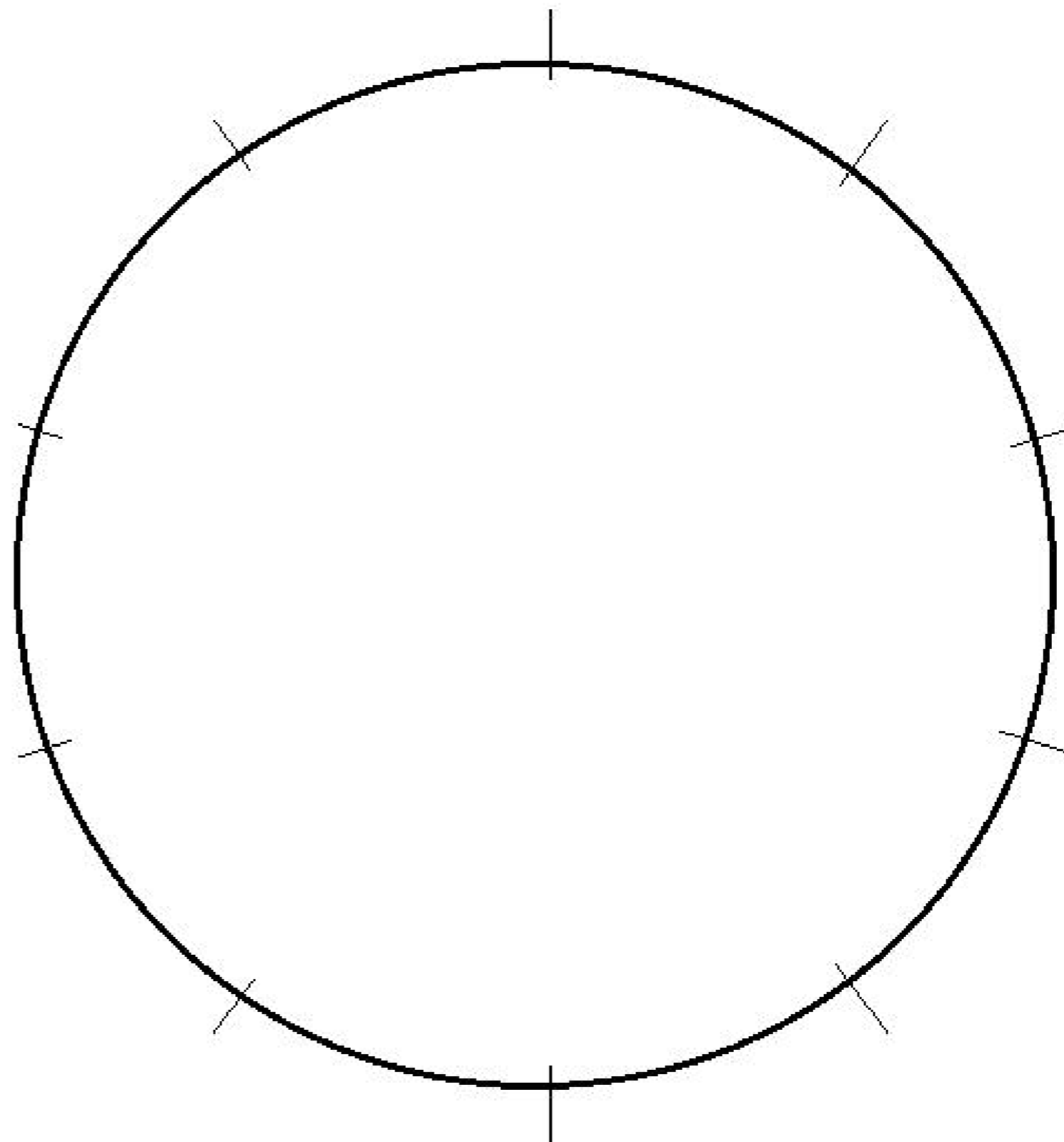
Inserts W98A mutant of mouse p23 in lentiviral vector for ubiquitous expression

Reporter gene

Promoter, - CMV enhancer - chicken β -actin promoter
splice, - Other features: the post-transcriptional regulatory element of woodchuck
PolyA hepatitis virus (WPRE, abbreviated in plasmid names) has been inserted to enhance transgene expression as well as a central polypurine tract (cPPT), a cis-acting element that improves the efficiency of gene transfer by a few-fold in many targets

Comments Codon 98 is changed to GCG

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

1839

Date entered

13.10.05

Constructed by

Pierre-André Briand

Date constructed

10.05

PLASMID NAME

pLmp23W106A

bacterial marker Amp

vertebrate marker GPT

eucaryotic replicon SV40 ori

parent vector

pLVC

bacterial plasmid

pUC

other relevant source constructs

BS/mp23 W106A

Inserts

W106A mutant of mouse p23 in lentiviral vector for ubiquitous expression, additional mutation in codon 110 GAA into GAG (no change in aa sequence)

Reporter gene

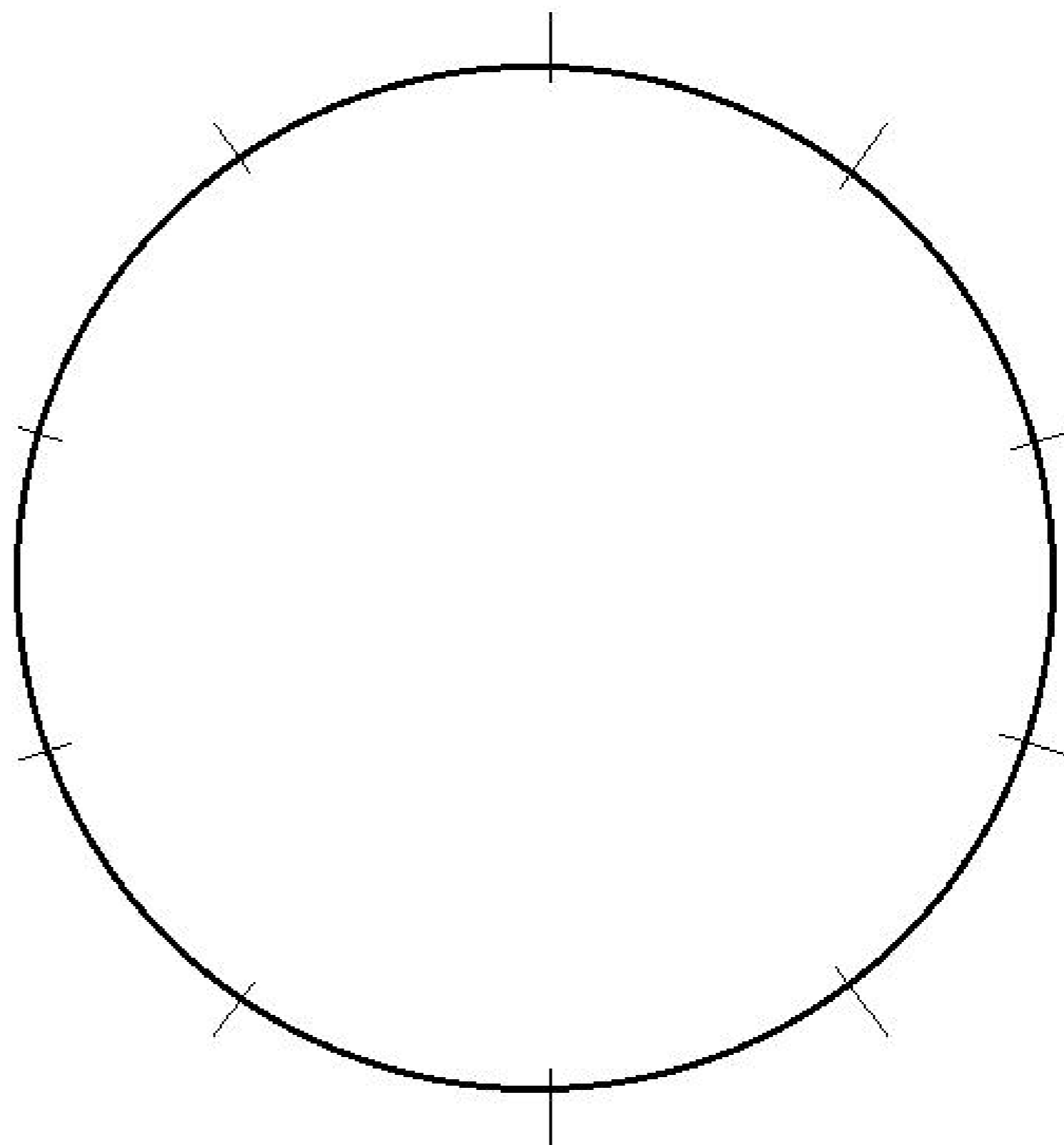
Promoter,
splice,
PolyA

- CMV enhancer - chicken β -actin promoter
- Other features: the post-transcriptional regulatory element of woodchuck hepatitis virus (WPRE, abbreviated in plasmid names) has been inserted to enhance transgene expression as well as a central polypurine tract (cPPT), a cis-acting element that improves the efficiency of gene transfer by a few-fold in many targets

Comments

Codon 106 is changed to GCG (and codon 110 from GAG to GAA)

Reference



Construct number

1840

Date entered

17.10.05

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

Date entered 17.10.05

Constructed by rzpd

Date constructed 17.10.05

PLASMID NAME

BC036263

bacterial marker Amp

parent vector
pCMV.SPORT 6
bacterial plasmid

other relevant source constructs

Inserts EST of KIAA0220 (gi:47117902)
Image id: 3903371
MGC acc no.: BC036263
RZPD clone id: IRATp970B0838D6

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - SP6
PolyA - SV40 polyA site

Comments PCR Primers : sp6/T7
Restriction enzymes: RE5' : Sall, RE3' : NotI

Reference

Construct number

1842

Date entered

19.10.05

Constructed by

Dualsystems

Date constructed

PLASMID NAME

pBT3-STE

bacterial marker	Kan	parent vector	
yeast marker	LEU2	bacterial plasmid	pBS
eucaryotic replicon	CEN/ARS	other relevant source constructs	

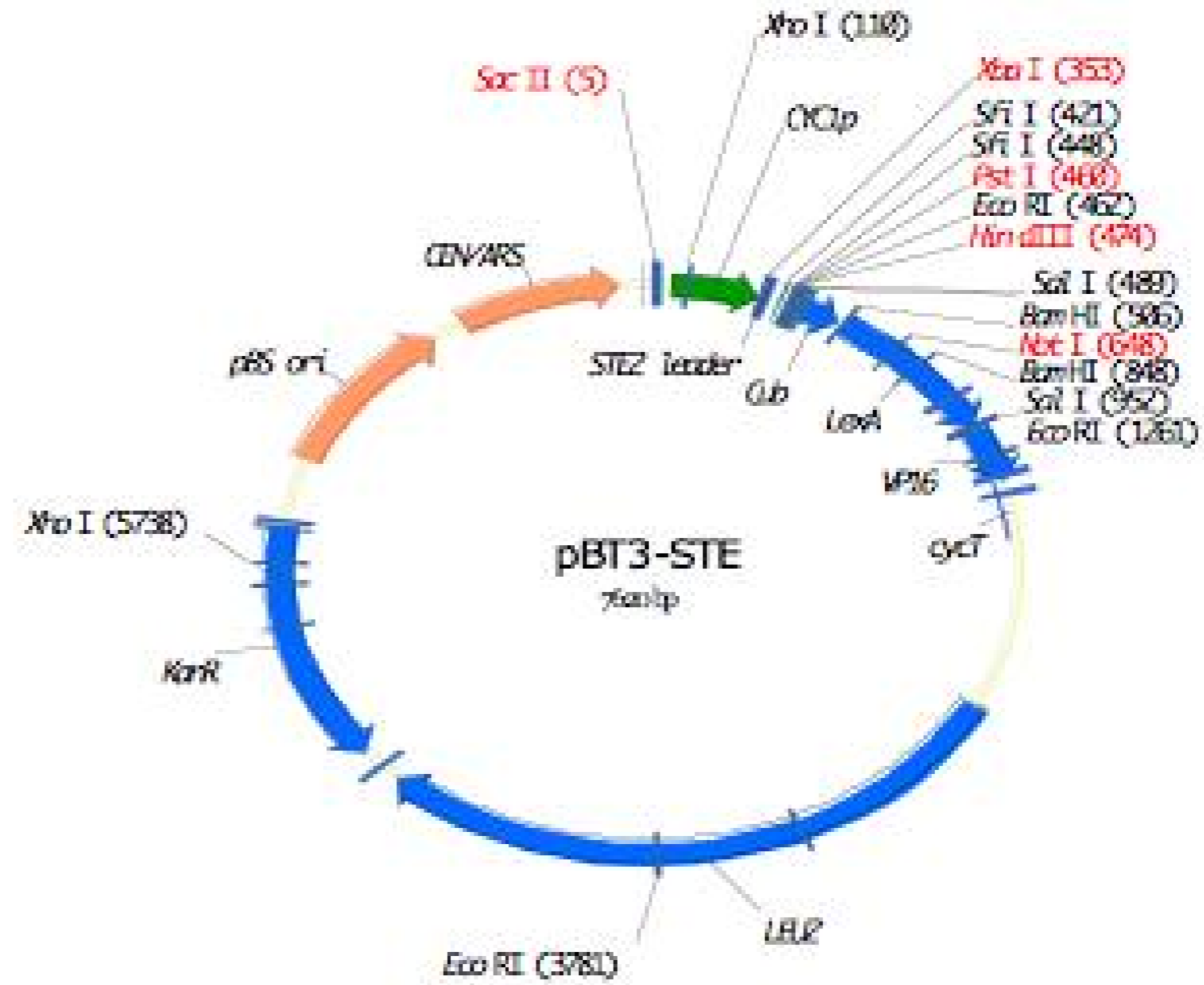
Inserts Ste2 signal peptide leader sequence fused to C-terminus of ubiquitin (Cub) fused to LexA DNA binding domain and VP16

Reporter gene

Promoter, - CYC1 promoter
splice, - CYC1 terminator
PolyA

Comments - for split ubiquitin 2-hybrid system
 - sequence available

Reference



Construct number

1843

Date entered

25.10.05

Constructed by

Malcolm Parker lab

Date constructed

PLASMID NAME

pCI-FLAG-RIP

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

pCI

bacterial plasmid

other relevant source constructs

Inserts FLAG-RIP140

Reporter gene

Promoter, CMV enhancer/promoter
splice, T7 RNA polymerase promoter
PolyA SV40 poly A site

Comments

Reference

Construct number

1844

Date entered

31.10.05

Constructed by

Bart von Der Burg (Parker Lab)

Date constructed

PLASMID NAME

ERE-E1b TATA-Luc

bacterial marker Amp

parent vector

pLUC

bacterial plasmid

other relevant source constructs

Inserts

luciferase gene under the control of an ERE with the E1b TATA box (minimal promoter)

Reporter gene

luciferase

Promoter,
splice,
PolyA

Comments

Reference

Construct number

1845

Date entered

2.11.05

Constructed by

Asvin Lakkaraju (Strub lab)

Date constructed

PLASMID NAME

pGFH-54

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEGFP-C1

bacterial plasmid

pUC

other relevant source constructs

Inserts EGFP fused to human SRP54

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - Careful: this plasmid does *not* have the Amp resistance!!!
- 54 ORF is cloned in between EcoRI and SmaI (there is also an internal EcoRI)

Reference

Construct number

1846

Date entered

2.11.05

Constructed by

David Baltimore's lab

Date constructed

PLASMID NAME

pHCMV-G

bacterial marker Amp

parent vector

bacterial plasmid

?

other relevant source constructs

Inserts VSV G protein

Reporter gene

Promoter, - human CMV enhancer/promoter
splice, - rabbit β -globin splice and polyA
PolyA

Comments

Reference

Construct number

1847

Date entered

2.11.05

Constructed by

David Baltimore's lab

Date constructed

PLASMID NAME

Δ8.9

bacterial marker Amp

parent vector

bacterial plasmid

?

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments packaging vector for lentiviruses

Reference

Construct number

1848

Date entered

2.11.05

Constructed by

David Baltimore's lab

Date constructed

PLASMID NAME

FUGW

bacterial marker Amp ?

parent vector

bacterial plasmid

?

other relevant source constructs

Inserts

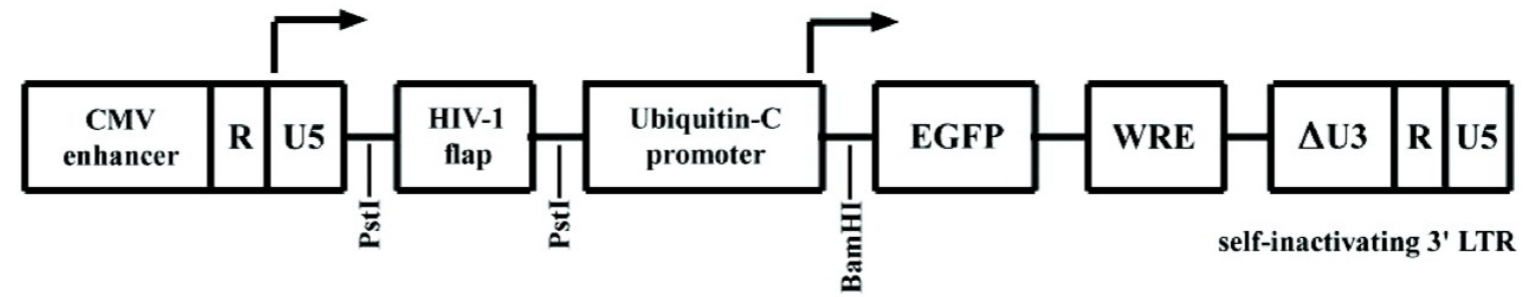
lentiviral vector for ubiquitous expression of EGFP

Reporter gene

Promoter, splice, PolyA human ubiquitin C promoter

Comments packaging vector for lentiviruses

Reference Lois et al. (2002) Science 295, 868



Construct number

1849

Date entered

7.11.05

Constructed by

Busslinger lab

Date constructed

PLASMID NAME

phBSAP Δ t

bacterial marker Amp

parent vector

pKW2T

bacterial plasmid

pUC

other relevant source constructs

eucaryotic replicon Polyoma ori

Inserts human Pax 5 (=BSAP)

Reporter gene

Promoter,
splice,
PolyA CMV enhancer/promoter, SP6, SV40 polyA

Comments - Δ t means without trailer
- sequence of inserted is available

Reference Nutt et al. (1998) EMBO J. 17, 2319

Construct number

1850

Date entered

7.11.05

Constructed by

Busslinger lab

Date constructed

PLASMID NAME

pKW prd en

bacterial marker Amp

eucaryotic replicon Polyoma ori

parent vector

pKW2T

bacterial plasmid

pUC

other relevant source constructs

Inserts

Paired domain of human Pax 5 (=BSAP) fused to engrailed repressor domain (aa 2-298 of Drosophila engrailed), fused to NLS

Reporter gene

Promoter,
splice,
PolyA CMV enhancer/promoter, SP6, SV40 polyA

Comments - see also plasmid phBSAPΔt

Reference

Construct number

1851

Date entered

7.11.05

Constructed by

Busslinger lab

Date constructed

PLASMID NAME

M-Pax5-iCD2

alternative name

pMSCV-BSAP-hCD2t

bacterial marker

Amp

parent vector

MSCV...

bacterial plasmid

other relevant source constructs

phBSAPΔt

Inserts

Retroviral vector for expression of human Pax5 (=BSAP); also contains human CD2 sequences expressed from IRES (indicator protein)

Reporter gene

Promoter,
splice,
PolyA

CMV enhancer/promoter, SP6, SV40 polyA

Comments

- see also plasmid phBSAPΔt

Reference

Fuxa et al. (2004) Genes Dev. 18, 411

DIDIER PICARD LAB, University of Geneva

Construct number 1852

Date entered 8.11.05

Constructed by Morag MacLean & Diana Wider

Date constructed 19/10/05

PLASMID NAME

pEscLeu/Gpr30Flag

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pEscTrp/Gpr30Flag (1817)

bacterial plasmid

other relevant source constructs

pEscLeu

Inserts Cut 1.9kb BamHI/BglII fragment from pEscTrp/Gpr30 containing Gpr30Flag and the GAL promoters, ligated into pEscLeu at BamHI/BglII sites

Reporter gene

Promoter, GAL10
splice,
PolyA

Comments Sequencing shows grp30 in frame with flag.
Needed to do this to produce Gpr30 with C-term flag tag in a Leu2 vector.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1853

Date entered

22.11.05

Constructed by

Pierre-André Briand

Date constructed

11/2005

PLASMID NAME

pmCherry54

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pmCherry-C1

bacterial plasmid

pUC

other relevant source constructs

pGFH-54

Inserts mCherry fused to human SRP54

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - SRP54 coding region is between EcoRI and SmaI sites of the vector, but EcoRI is not unique and SmaI may be destroyed.

Reference - source plasmid pGFH-54 is from the Strub lab.

DIDIER PICARD LAB, University of Geneva

Construct number

1854

Date entered

24.11.05

Constructed by

Pierre-André Briand

Date constructed

11/05

PLASMID NAME

pEGFP-p23 W8A

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEGFP-p23

bacterial plasmid

pUC

other relevant source constructs

Inserts EGFP fused to human p23 with mutation W8A (codon TGG changed to GCC)

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - Careful: this plasmid does *not* have the Amp resistance!!!
- human p23 ORF is between EcoRI and BamHI

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1855

Date entered

24.11.05

Constructed by

Pierre-André Briand

Date constructed

11/05

PLASMID NAME

pEGFP-p23 Y9A

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEGFP-p23

bacterial plasmid

pUC

other relevant source constructs

Inserts EGFP fused to human p23 with mutation Y9A (codon TAC changed to GCT)

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - Careful: this plasmid does *not* have the Amp resistance!!!
- human p23 ORF is between EcoRI and BamHI

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1856

Date entered

24.11.05

Constructed by

Pierre-André Briand

Date constructed

11/05

PLASMID NAME

pEGFP-p23 Y9S

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEGFP-p23

bacterial plasmid

pUC

other relevant source constructs

Inserts

EGFP fused to human p23 with mutation Y9S (codon TAC changed to TCT)

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments

- Careful: this plasmid does *not* have the Amp resistance!!!
- human p23 ORF is between EcoRI and BamHI

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1857

Date entered

24.11.05

Constructed by

Pierre-André Briand

Date constructed

11/05

PLASMID NAME

pEGFP-p23 W98A

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEGFP-p23

bacterial plasmid

pUC

other relevant source constructs

Inserts

EGFP fused to human p23 with mutation W98A (codon TGG changed to GCC)

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments

- Careful: this plasmid does *not* have the Amp resistance!!!
- human p23 ORF is between EcoRI and BamHI

Reference

Construct number

1858

Date entered

29.11.05

Constructed by

John H. White lab

Date constructed

PLASMID NAME

HA-LCoR

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Fernandes et. al. (2003) Mol Cell 11: 139-150

Construct number

1859

Date entered

29.11.05

Constructed by

John H. White lab

Date constructed

PLASMID NAME

Flag-LCoR

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Fernandes et. al. (2003) Mol Cell 11: 139-150

Construct number

1860

Date entered

29.11.05

Constructed by

Morag MacLean & Diana Wider

Date constructed

23.11.05

PLASMID NAME

pSP73/Gpr30Flag

bacterial marker Amp

parent vector

pEscTrp/Gpr30Flag

bacterial plasmid

pSP73/GST-CRP6

other relevant source constructs

Inserts

Gpr30 with flag fused at Ct.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1861

Date entered

29.11.05

Constructed by

Morag MacLean & Diana Wider

Date constructed

28.11.05

PLASMID NAME

p2U/FlagMNAR

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

other relevant source constructs

pCMV/MNAR (nr. 1704)

Inserts

human MNAR (=PELP1), full-length cDNA cut from pCMV/MNAR with MluI & NotI.
Flag encoded by oligos FFlag/Bam & RFlag/Mlu for in frame fusion at the Nt of MNAR.
Cloned into p2U at BamHI & NotI sites

Reporter gene

Promoter,
splice,
PolyA GPD (glyceraldehyde-3-phosphate-dehydrogenase)

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1862

Date entered

15.12.05

Constructed by

Morag MacLean & Diana Wider

Date constructed

12/12/05

PLASMID NAME

p2HG/Gpr30Flag

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

pSP73/gpr30Flag

bacterial plasmid

other relevant source constructs

p2HG

Inserts

Cut 1.2kb BglII fragment from pSP73/Gpr30Flag containing Gpr30Flag, ligated into p2HG at BamHI site

Reporter gene

Promoter,
splice,
PolyA

GPD

Comments

This has Gpr30Flag in a different vector backbone and different promoter, to see if the problem with expression is with the pEscLeu vectors.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 1863

Date entered 9.1.06

Constructed by Pierre-André Briand

Date constructed 01/2006

PLASMID NAME

pCherry.90 β

Created with SnapGene®

bacterial marker Kan	parent vector pmCherry-C1
vertebrate marker Neo (G418)	bacterial plasmid pUC
eucaryotic replicon SV40 ori	other relevant source constructs pC7/hHsp90 (PCR template)

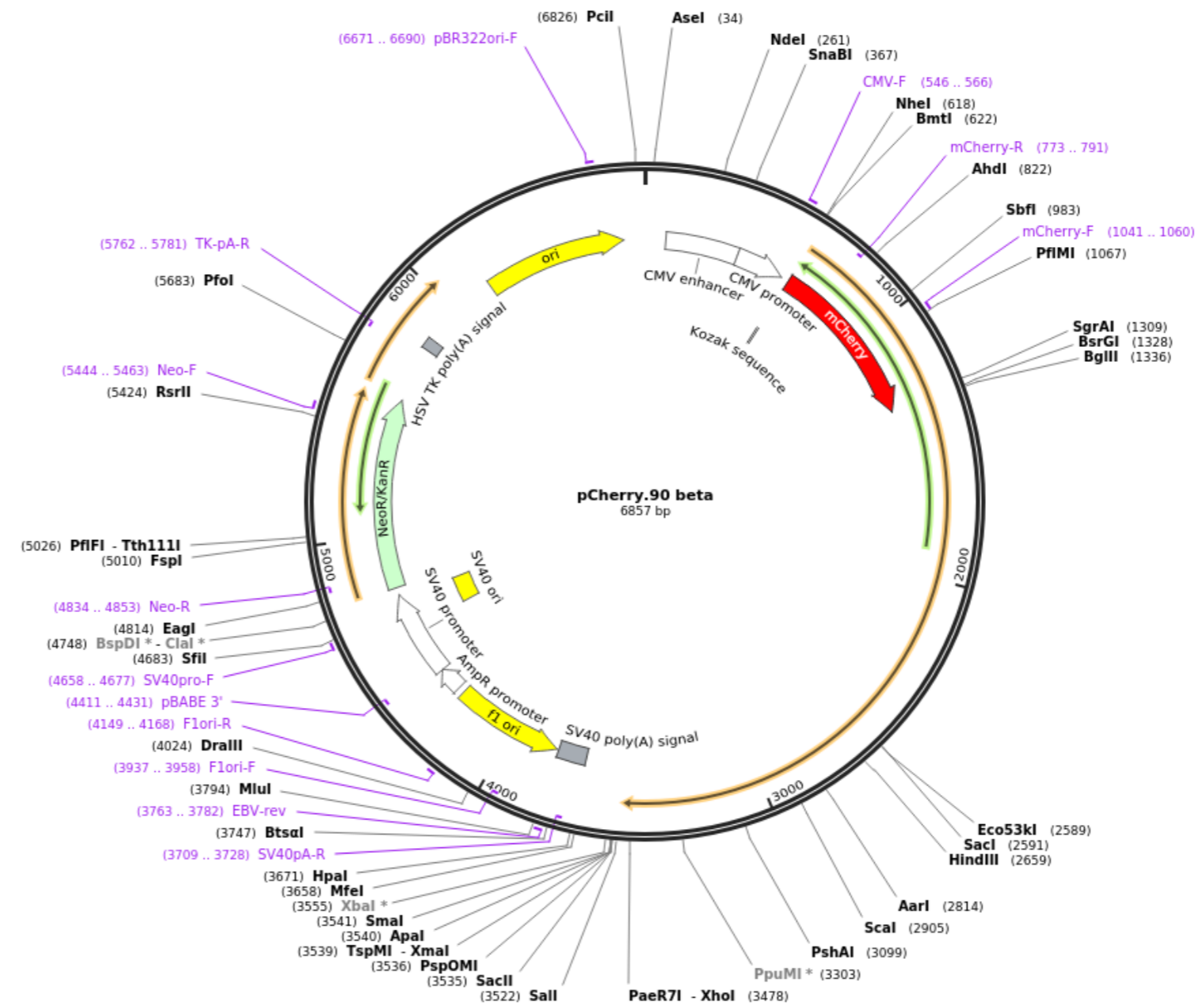
Inserts monomeric Cherry variant of red fluorescent protein from *Discosoma* sp. fused to human Hsp90 β

Reporter gene

Promoter, splice, PolyA
- CMV enhancer and promoter
- SV40 poly A

Comments
- sequence available
- deposited in Addgene with plasmid ID 108223 (map is from Addgene)

Reference Picard et al. (2006) Exp. Cell Res. 312, 3949



Construct number

1864

Date entered

10.1.06

Constructed by

Steve Murphy

Date constructed

June 1991

PLASMID NAME

YpRS424c-src

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

YpRS424

bacterial plasmid

pBS bluescript

other relevant source constructs

Inserts chicken c-src

Reporter gene

Promoter,
splice,
PolyA GAL1-10

Comments

Reference Murphy, Bergman & Morgan DO, Mol. Cell Biol

Construct number

1865

Date entered

10.1.06

Constructed by

Steve Murphy

Date constructed

Nov 1991

PLASMID NAME

YpABCSK

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

YpAB23BXN

bacterial plasmid

other relevant source constructs

Inserts human csk

Reporter gene

Promoter,
splice,
PolyA GAP

Comments

Reference Murphy, Bergman & Morgan DO, Mol. Cell Biol

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 11.1.06

Constructed by Pierre-André Briand

Date constructed 01.2006

PLASMID NAME

pLmp23Y9N

bacterial marker Amp

vertebrate marker GPT

eucaryotic replicon SV40 ori

parent vector

pLVC

bacterial plasmid

pUC

other relevant source constructs

BS/mp23 Y9N

Inserts Y9N mutant of mouse p23 in lentiviral vector for ubiquitous expression

Reporter gene

Promoter, - CMV enhancer - chicken β -actin promoter
splice, - Other features: the post-transcriptional regulatory element of woodchuck
PolyA hepatitis virus (WPRE, abbreviated in plasmid names) has been inserted to enhance transgene expression as well as a central polypurine tract (cPPT), a cis-acting element that improves the efficiency of gene transfer by a few-fold in many targets

Comments codon 9 is changed to AAC

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.2.06

Constructed by Deo Prakash Pandey

Date constructed Dec 2005

PLASMID NAME

FLAG.Y0220

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

CKF

bacterial plasmid

other relevant source constructs

EGFP-c1

Inserts FLAG epitope fused to N-terminus of Y0220 (SMG-1 like).

At the N-terminus, EcoRI is in frame with FLAG. The restriction site at the end is, XbaI* (XbaI site is methylated here and so CKF was grown in Dam- strain).

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1868

Date entered

7.2.06

Constructed by

Deo Prakash Pandey

Date constructed

Dec 2005

PLASMID NAME

pEGFP.Y0220

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

EGFP-c1

bacterial plasmid

other relevant source constructs

CKF, EGFP-c1

Inserts

EGFP fused to N-terminus of Y0220 (SMG-1 like).

At the N-terminus, EcoRI is in frame with EGFP. The restriction site at the end is, XbaI.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 1869

Date entered 7.2.06

Constructed by Deo Prakash Pandey

Date constructed Jan 2006

PLASMID NAME

pSR.miR-009

bacterial marker Amp

vertebrate marker Puromycin

parent vector
pSuper-Retro

bacterial plasmid

other relevant source constructs

Inserts miR-009 cloned into pSR to be expressed as an shRNA. pSR was cut with BglIII and XhoI.

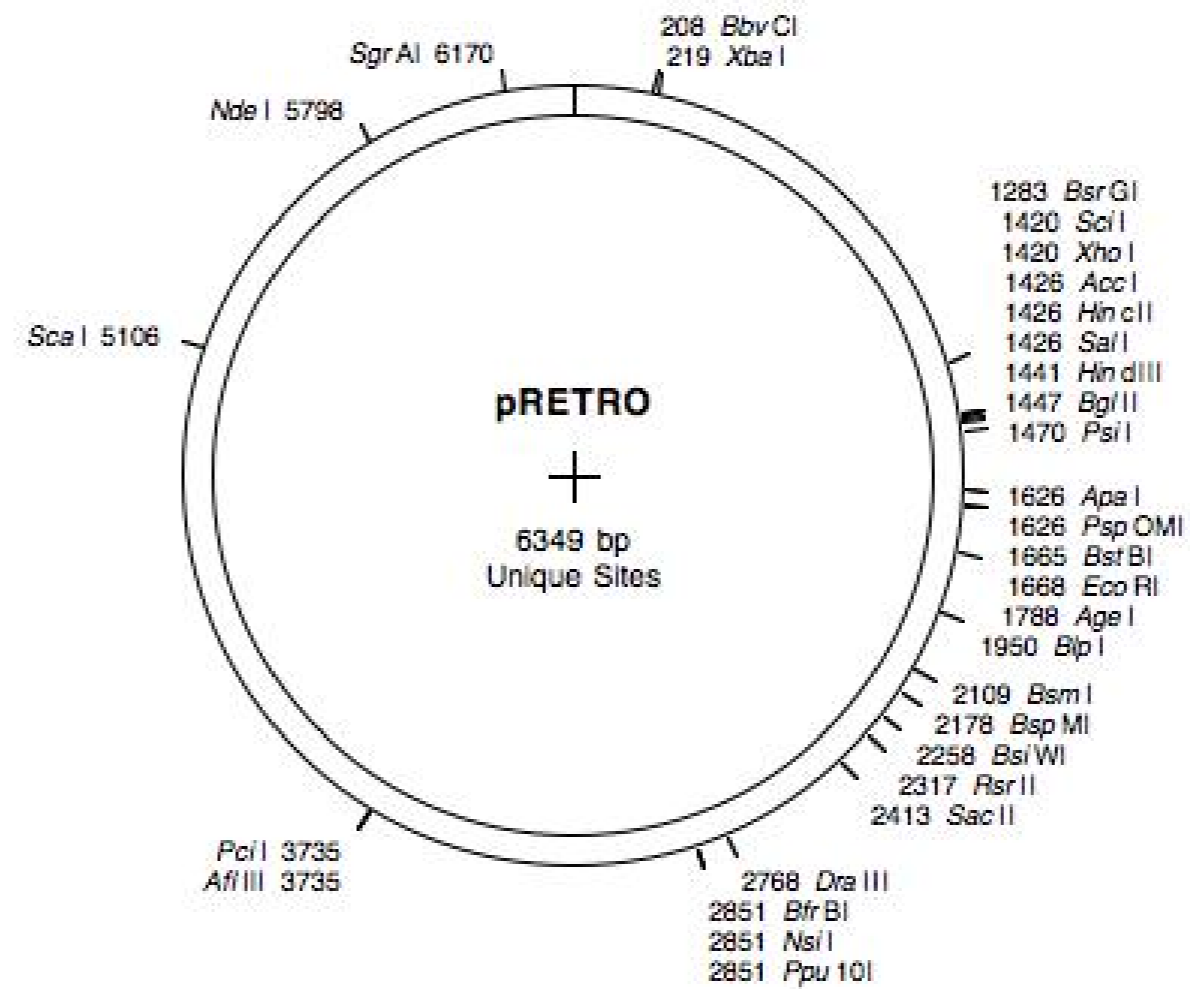
miR-009: **TCTTTGGTTATCTAGCTGTATGA**

Reporter gene

Promoter,
splice,
PolyA

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number 1870

Date entered 7.2.06

Constructed by Deo Prakash Pandey

Date constructed Jan 05

PLASMID NAME

pSR.miR-18a

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSuper-Retro

bacterial plasmid

other relevant source constructs

pSR.miR-009

Inserts miR-18a cloned into pSR to be expressed as an shRNA. pSR was cut with BglIII and XhoI.

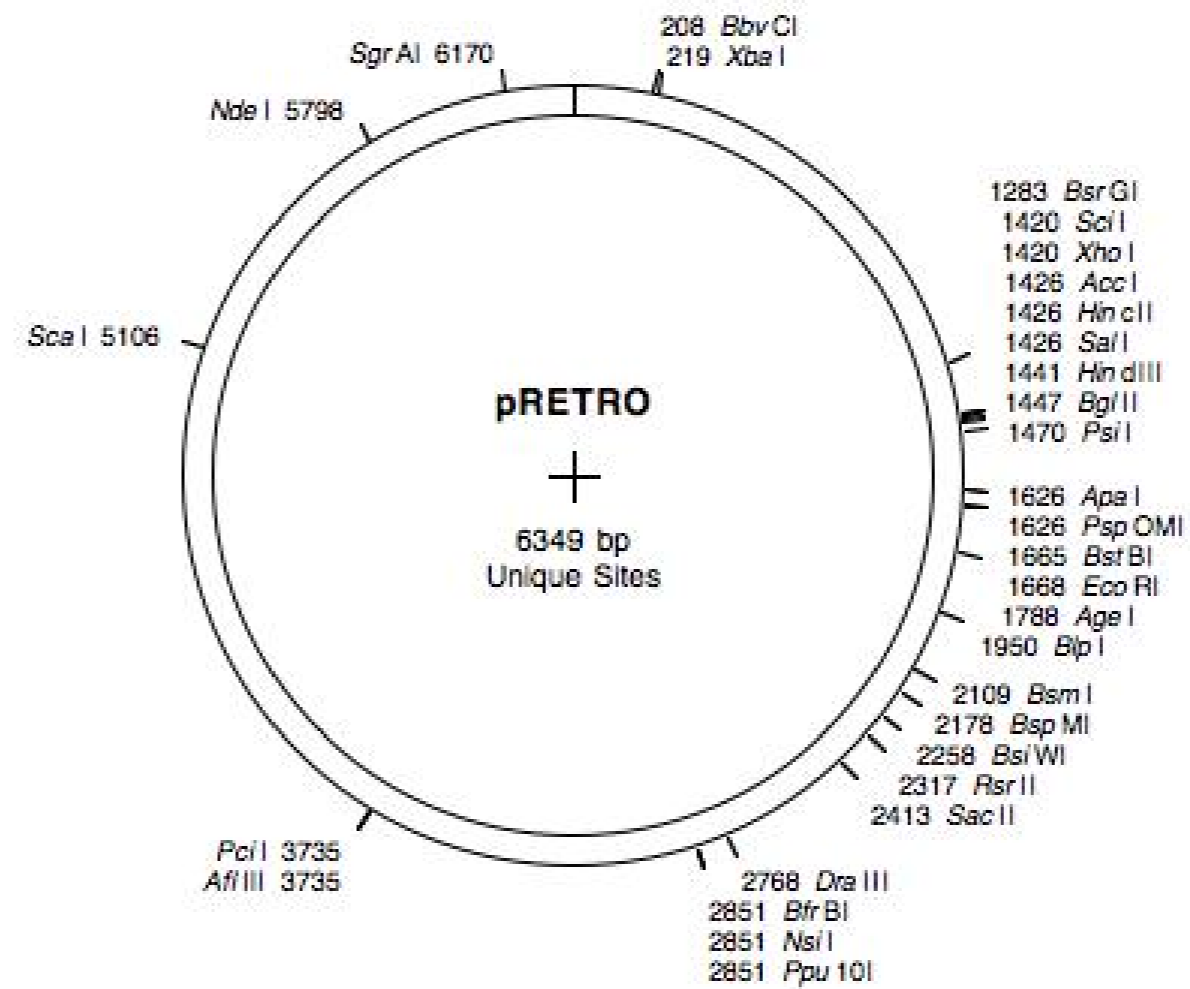
miR-18a: **TAAGGTGCATCTAGTGCAGATA**

Reporter gene

Promoter,
splice,
PolyA

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number

1871

Date entered

7.2.06

Constructed by

Deo Prakash Pandey

Date constructed

Jan 2006

PLASMID NAME

pSR.miR-22

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSuper-Retro

bacterial plasmid

other relevant source constructs

pSR.miR-009

Inserts

miR-18a cloned into pSR to be expressed as an shRNA. pSR was cut with BglIII and XhoI.

miR-22: **AAGCTGCCAGTTGAAGAACTGT**

Reporter gene

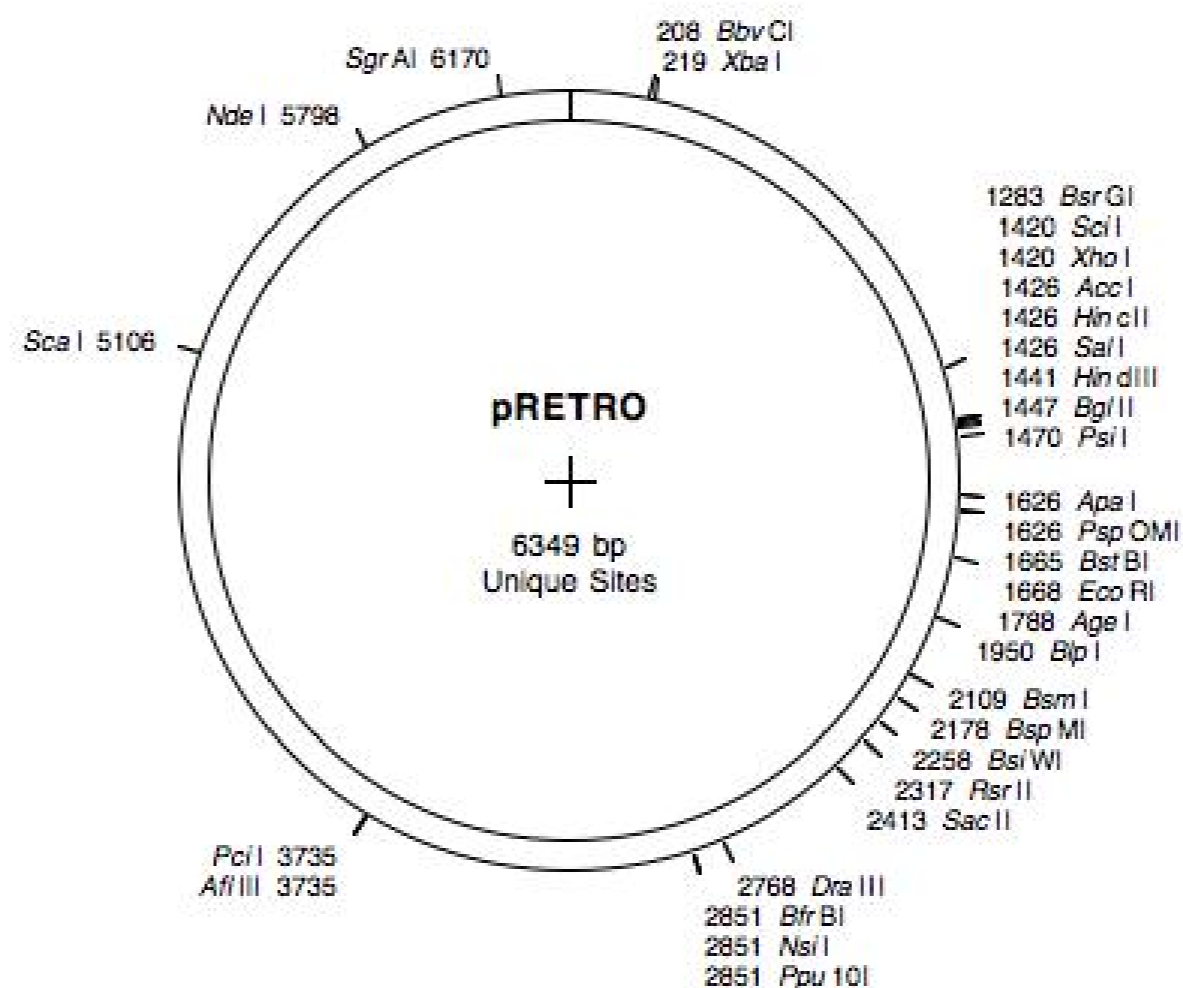
Promoter,
splice,
PolyA

Comments

Insert verified with sequencing. Find the insert (reverse orientation) in sequences

Reference

Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number 1872

Date entered 7.2.06

Constructed by Deo Prakash Pandey

Date constructed Jan 2006

PLASMID NAME

pSR.miR-204

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSuper-Retro

bacterial plasmid

other relevant source constructs

pSR.miR-009

Inserts miR-204 cloned into pSR to be expressed as an shRNA. pSR was cut with BglIII and XhoI.

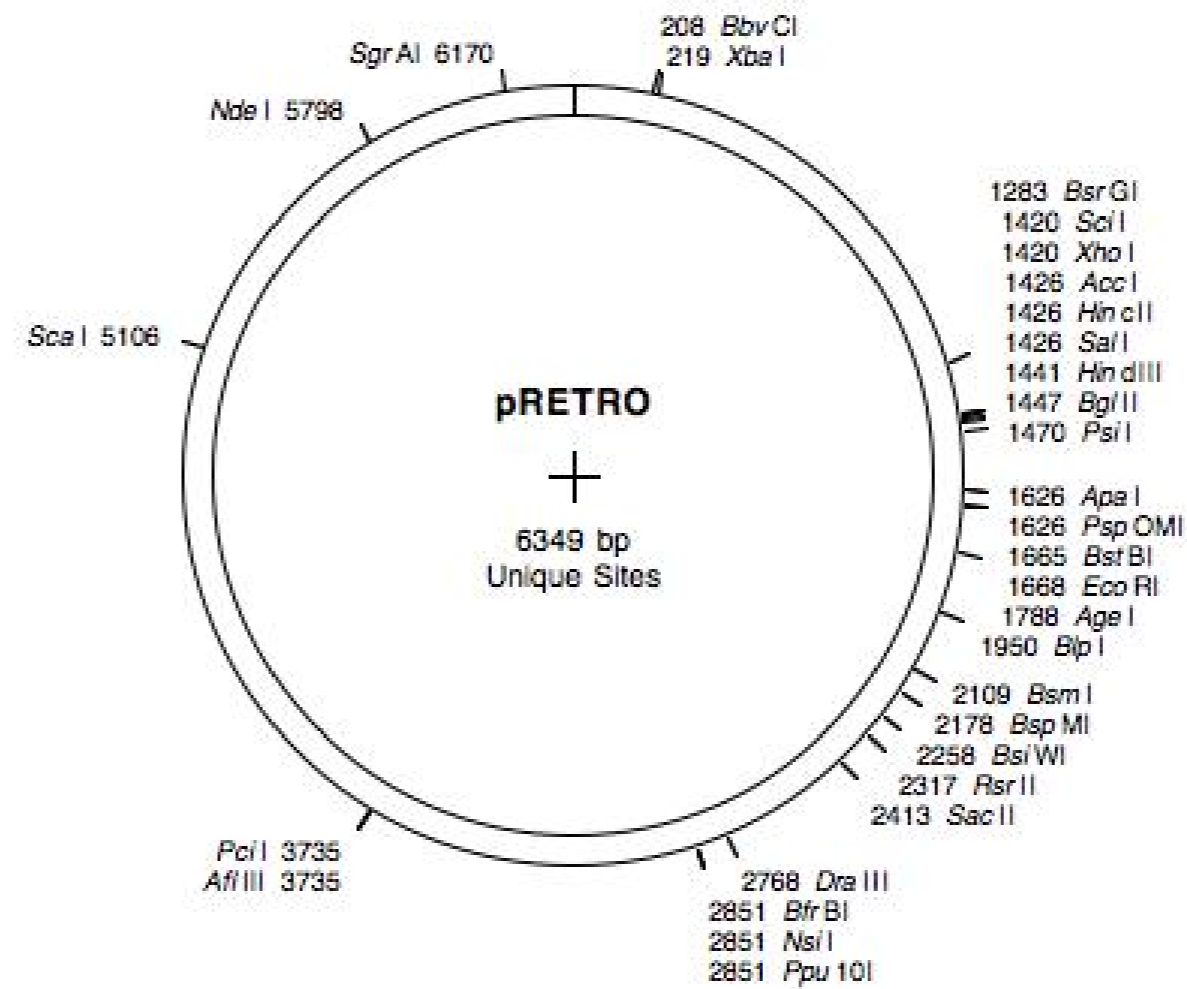
miR-204: **TTCCCTTTGTCATCCTATGCCT**

Reporter gene

Promoter,
splice,
PolyA

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number 1873

Date entered 7.2.06

Constructed by Deo Prakash Pandey

Date constructed Jan 2006

PLASMID NAME

pSR.miR-219

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSuper-Retro

bacterial plasmid

other relevant source constructs

pSR.miR-009

Inserts miR-219 cloned into pSR to be expressed as an shRNA. pSR was cut with BglIII and XhoI.

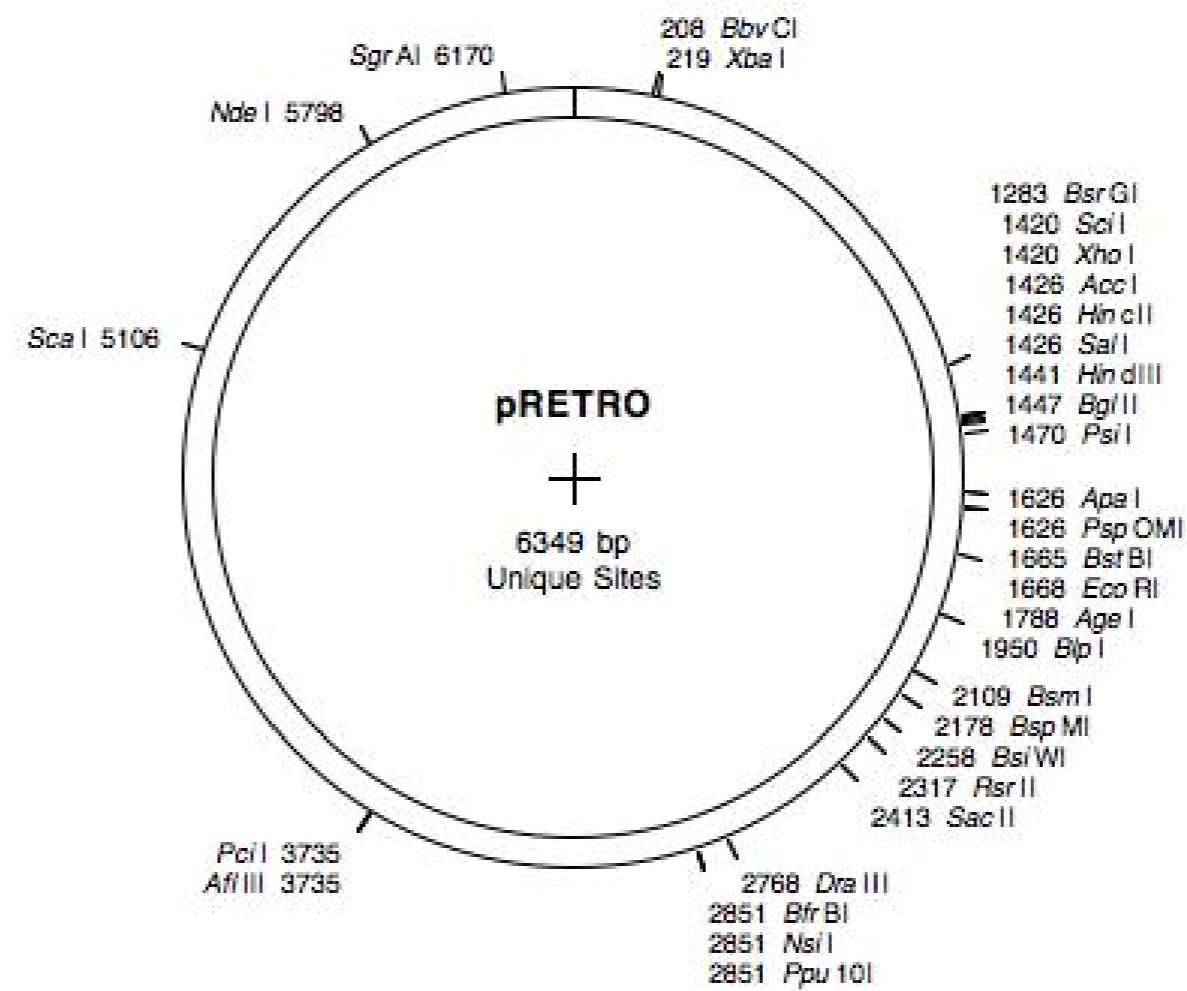
miR-219: **TGATTGTCCAACGCAATTCT**

Reporter gene

Promoter,
splice,
PolyA

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number 1874

Date entered 7.2.06

Constructed by Deo Prakash Pandey

Date constructed Jan 2006

PLASMID NAME

pSR.miR-221

bacterial marker Amp

vertebrate marker Puromycin

parent vector
pSuper-Retro

bacterial plasmid

other relevant source constructs

pSR.miR-009

Inserts miR-221 cloned into pSR to be expressed as an shRNA. pSR was cut with BglIII and XhoI.

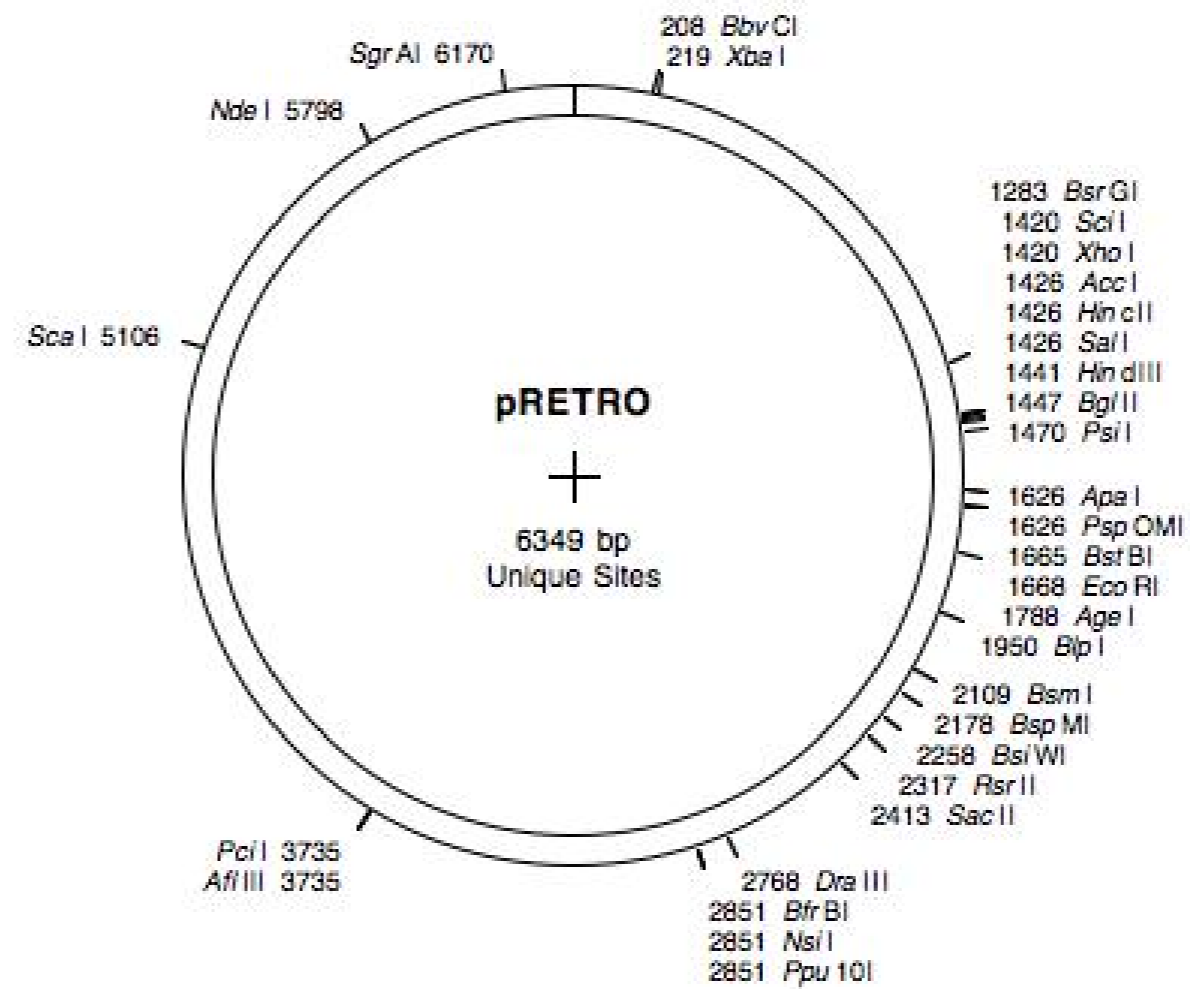
miR-221: **AGCTACATTGTCCTGCTGGGTTTC**

Reporter gene

Promoter,
splice,
PolyA

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

Reference



Construct number

1875

Date entered

7.2.06

Constructed by

Kenealy MR (Gannon F. Lab)

Date constructed

2000

PLASMID NAME

pfGH.ER3'UTR

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Most of the 3' UTR of ER-alpha is cloned into KpnI and SacI indicated in the figure. The size of the insert is 3.9 kb (as in the article, confirmed with RE digestion).

The insert starts from: GCCTGGAGAGTAGACATTTTG, which is 584th nt in the last exon of ER-alpha. Approx. first 500 nt are missing in the insert. It ends at TCCAGCGGGATGCTCGAG, the last nt is 4487th in the last exon.

Reporter gene

Promoter,
splice,
PolyA

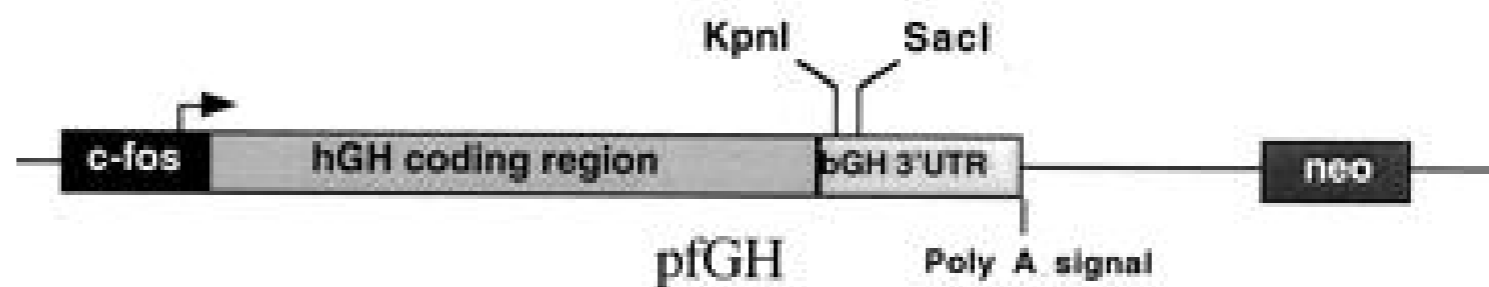
Comments

This plasmid is a gift from Frank Gannon's lab. It is the reference plasmid in our lab for the DNA of 3'UTR of ER-alpha.

Entered by Deo Prakash Pandey.

Reference

Kenealy MR *et al*, 2000



Construct number

1876

Date entered

7.2.06

Constructed by

Received from L. Guillemot (mol bio)

Date constructed

2002

PLASMID NAME

pGL3-CMV.luc

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

The commercial plasmid pGL3 was modified from SV40 promoter to CMV promoter. Rest remains the same.

Reporter gene

luciferase

Promoter,
splice,
PolyA

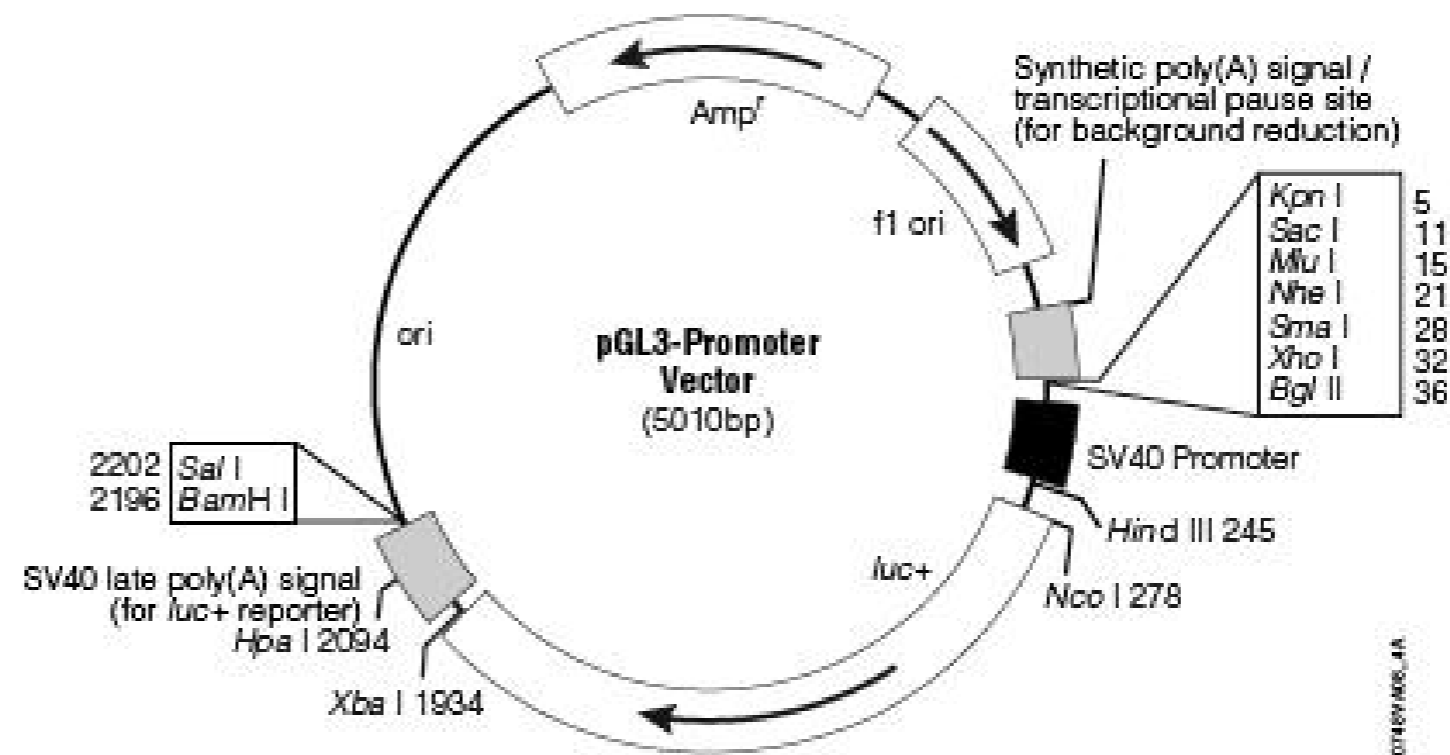
CMV enhancer/promoter

Comments

Received as a gift from Laurent Guillemot (mol bio).

Entered by Deo Prakash Pandey.

Reference



Construct number

1877

Date entered

14.2.06

Constructed by

from rzpd.de

Date constructed

PLASMID NAME

IMAGE:3596816

Rzpd ID

IMAGp998A098775Q1

bacterial marker Amp

parent vector
pCMV-SPORT6

bacterial plasmid
pUC

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts mouse GPR30 partial cDNA(the first 420 pb of the ORF are missing)

Reporter gene

Promoter,
splice,
PolyA CMV

Comments - partial sequence available for Genbank entry BE533777 (same as our clone #1717)
- cDNA cloned in as follows: RE3' : NotI, RE5' : SalI

Reference

Construct number 1878

Date entered 14.2.06

Constructed by from rzpd.de

Date constructed

PLASMID NAME

IMAGE:1381327

Rzpd ID

IMAGp998I083487Q1

bacterial marker Amp

parent vector
pT7T3D-Pacl
bacterial plasmid
pUC
other relevant source constructs

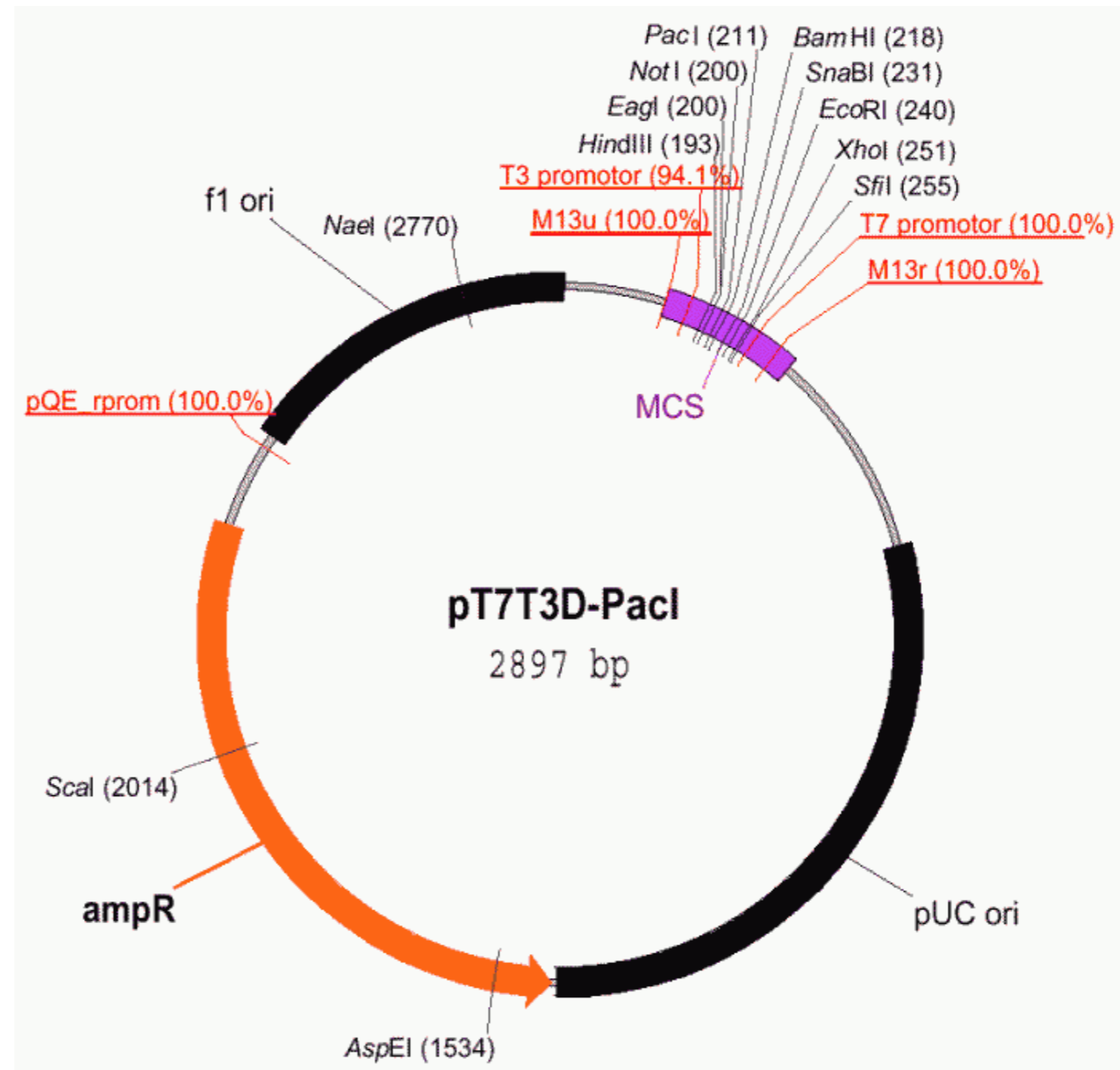
Inserts partial mouse GPR30 cDNA

Reporter gene

Promoter,
splice,
PolyA

Comments - partial sequence available covering 3' of ORF
- cloned between EcoRI and NotI (5'-3')
- map on right shows parental vector

Reference



Construct number

1879

Date entered

15.2.06

Constructed by

Open Biosystems

Date constructed

PLASMID NAME

pSM2c/shGPR30

alternative name

RHS1764-9207213

bacterial marker

Chl+Kan

vertebrate marker

Puromycin

parent vector

pSM2c

bacterial plasmid

RK6 origin

other relevant source constructs

Inserts

shRNA construct to knock down human GRP30. Sequence is:

```
TGCTGTTGACAGTGAGCGCCGCCGTCCTGTGCACCTTCATTAG
TGAAGCCACAGATGTAATGAAGGTGCACAGGACGGCGATGCCT
ACTGCCTCGGA
```

Targets sequence starting at 378 nt from AUG.

Reporter gene

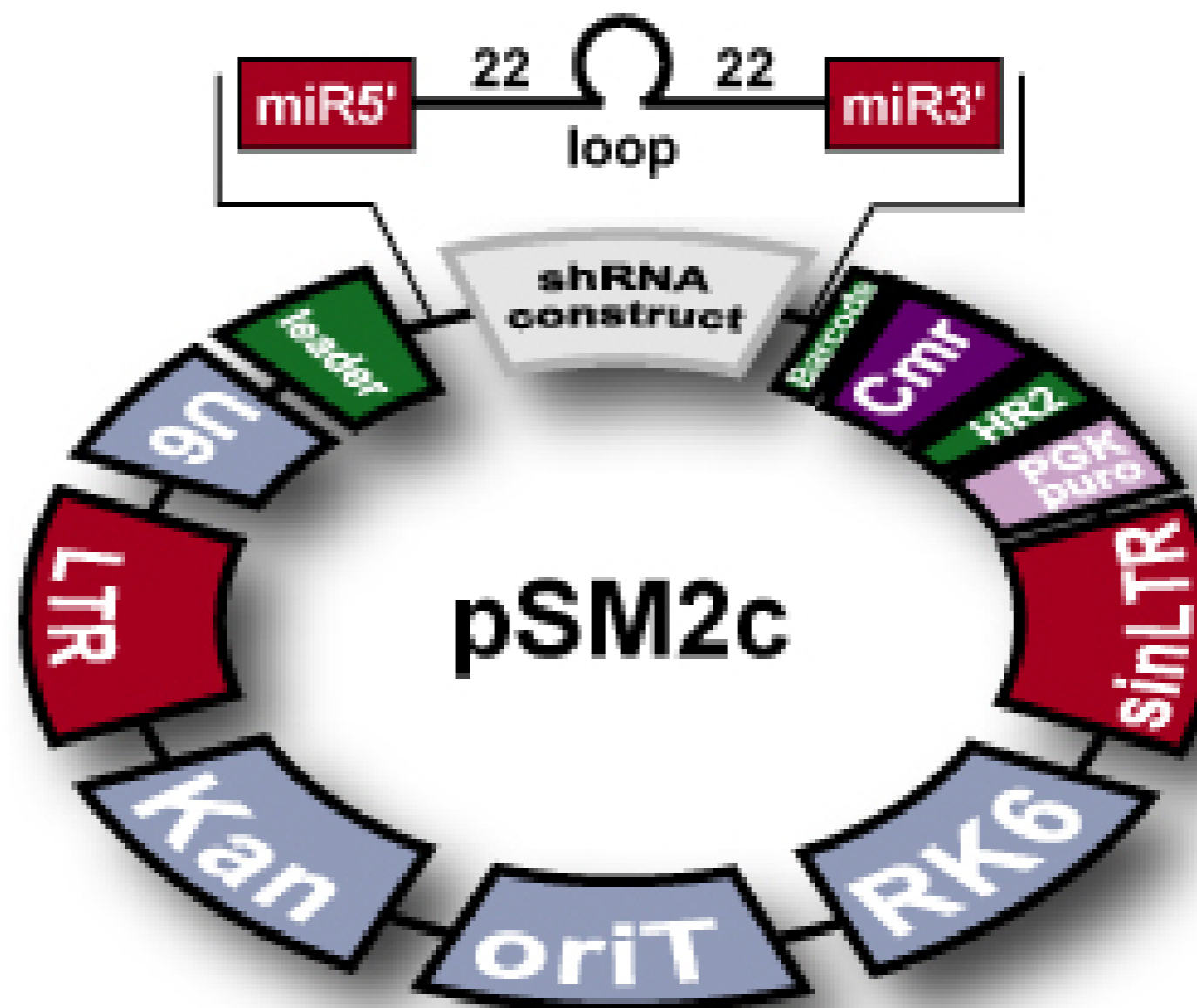
Promoter,
splice,
PolyA

U6 promoter

Comments

- **very important:** plasmid must be propagated in appropriate host (pir1+). Select with 50 $\mu\text{g/ml}$ Chl, and optionally with 25 $\mu\text{g/ml}$ Kan, and 1 $\mu\text{g/ml}$ Tet to maintain F' episome.
- MSCV LTRs in vector allow packaging into retrovirus.

Reference



pShag Magic version 2.0

Construct number 1880
Constructed by chori.org

Date entered 16.2.06
Date constructed

PLASMID NAME

RP24-222E20

bacterial marker Chl	parent vector pTARBAC1
yeast marker HIS3	bacterial plasmid F
eucaryotic replicon CEN/ARS	other relevant source constructs

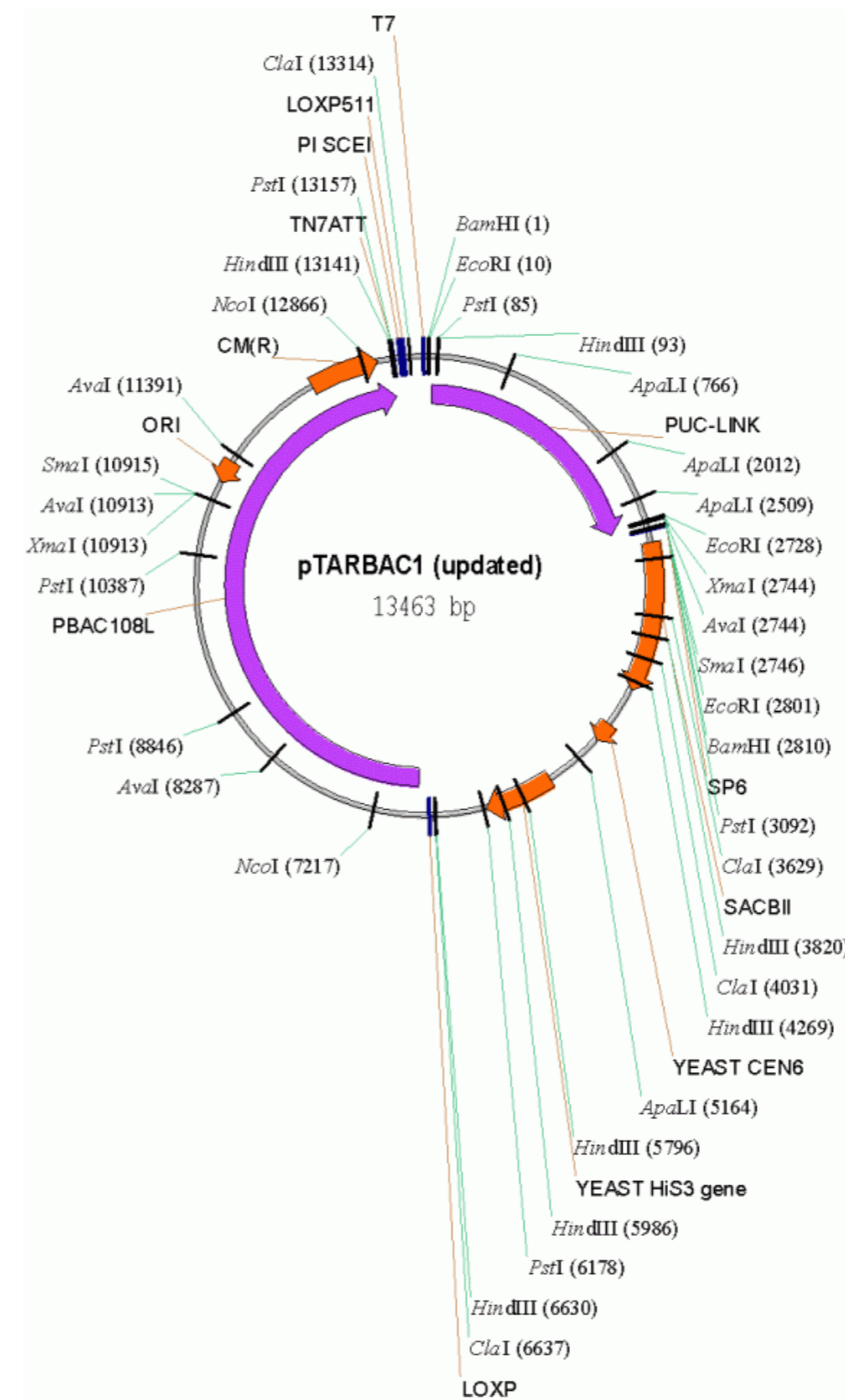
Inserts large genomic fragment around mouse GPR30 gene on chromosome 5

Reporter gene

Promoter, splice, PolyA

Comments - BAC/YAC vector with genomic DNA.
- grow in LB with 12.5 µg/ml chloramphenicol
- map shows empty vector; genomic DNA is cloned as partial Mbol fragment between the two BamHI sites.
- Note that this is a BAC and hence can not be isolated using traditional

Reference for vector: Zeng et al. (2001) Genomics 77, 27
for genomic fragment: see http://www.ensembl.org/Mus_musculus/contigview?mapfrag=RP24-222E20



Construct number 1881
Constructed by chori.org

Date entered 16.2.06
Date constructed

PLASMID NAME

RP24-250E6

bacterial marker Chl	parent vector pTARBAC1
yeast marker HIS3	bacterial plasmid F
eucaryotic replicon CEN/ARS	other relevant source constructs

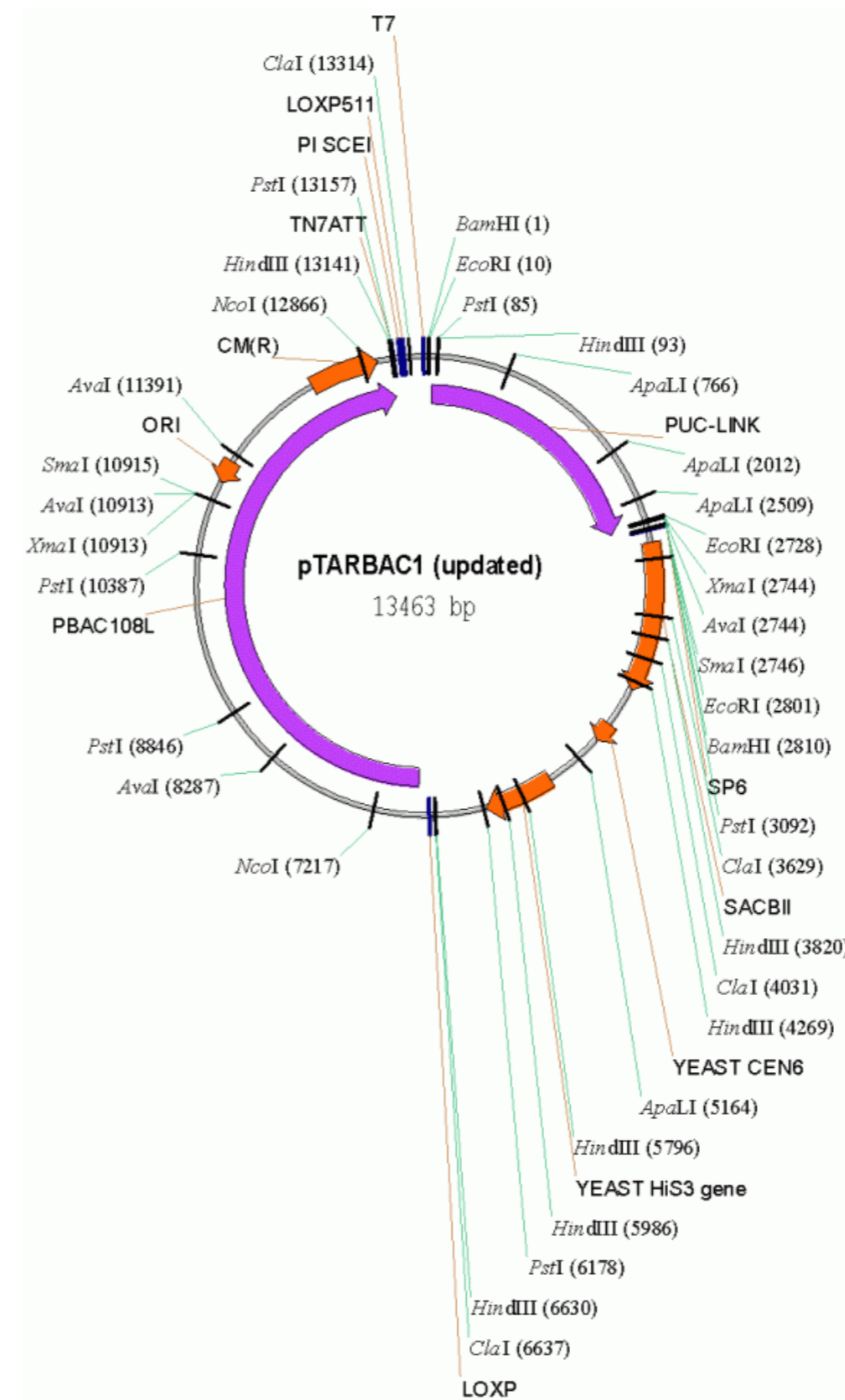
Inserts large genomic fragment around mouse GPR30 gene on chromosome 5

Reporter gene

Promoter, splice, PolyA

Comments - BAC/YAC vector with genomic DNA.
- grow in LB with 12.5 µg/ml chloramphenicol
- map shows empty vector; genomic DNA is cloned as partial MboI fragment between the two BamHI sites.
- Note that this is a BAC and hence can not be isolated using traditional

Reference for vector: Zeng et al. (2001) Genomics 77, 27
for genomic fragment: see http://www.ensembl.org/Mus_musculus/contigview?mapfrag=RP24-250E6



DIDIER PICARD LAB, University of Geneva

Construct number 1882

Date entered 17.2.06

Constructed by Pierre-André Briand

Date constructed 02.2006

PLASMID NAME

p2U/ERE-luc

bacterial marker Amp

parent vector
p2UG-2xORE-Luc

bacterial plasmid
pUC

yeast marker URA3

other relevant source constructs
pUCΔSS-ERE

eucaryotic replicon 2μ circle

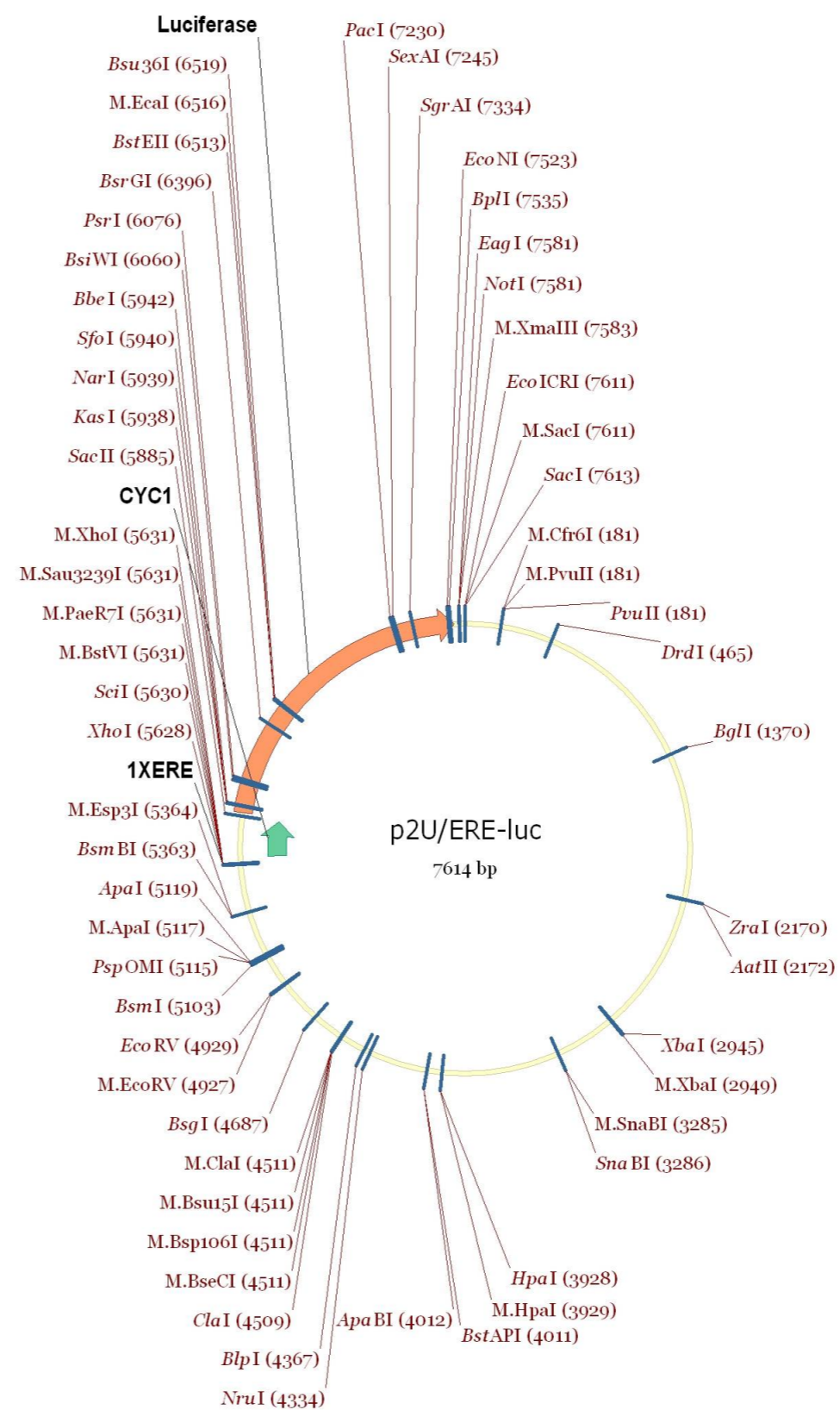
Inserts

Reporter gene luciferase

Promoter, splice, PolyA
Single ERE upstream of minimal CYC1 promoter

Comments - firefly luciferase with mutated peroxisomal targeting signal
- sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

1883

Date entered

17.2.06

Constructed by

Deo Prakash Pandey

Date constructed

17.2.06

PLASMID NAME

p2LG/hER-alpha

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

pRS305

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

Inserts 2 μ circle and glyceraldehyde-3-phosphate dehydrogenase promoter.

ER-alpha was cut from pG/ER(G) from BamHI sites and ligated into p2LG, which was also cut with BamHI.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference pRS305: Sikorski R. S. and Hieter P. (1989) Genetics 122:19-27

Construct number 1884
Constructed by Pentao Liu

Date entered 22.2.06
Date constructed 2003

PLASMID NAME

PL451

bacterial marker Amp+Kan

vertebrate marker Neo (G418)

parent vector

bacterial plasmid

other relevant source constructs

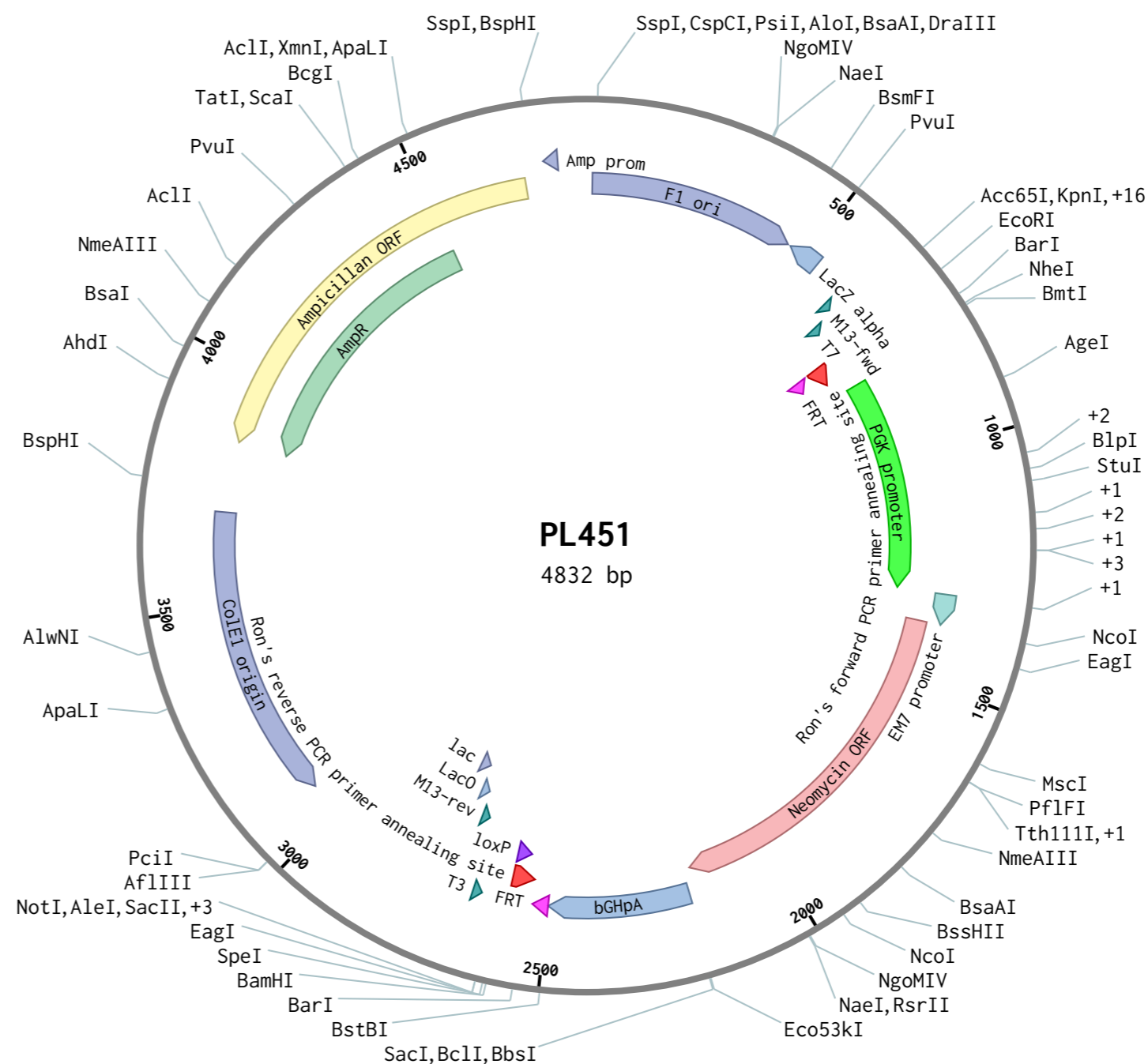
Inserts The plasmid contains a neo cassette flanked by two *frt* sites and one *loxP* site. The neo gene is expressed both from a prokaryotic promoter (*em7*) and a eucaryotic promoter (*Pgk*): *Frt-Pgk-em7-Neo-Frt-loxP*

Reporter gene

Promoter,
splice,
PolyA

Comments Look at the map attached!
A gift from Denis Duboule's lab.

Reference http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=12618378



Construct number
Constructed by Pentao Liu

Date entered 22.2.06
Date constructed 2003

PLASMID NAME

PL452

bacterial marker Amp+Kan	parent vector
vertebrate marker Neo (G418)	bacterial plasmid
	other relevant source constructs PL451 (1884)

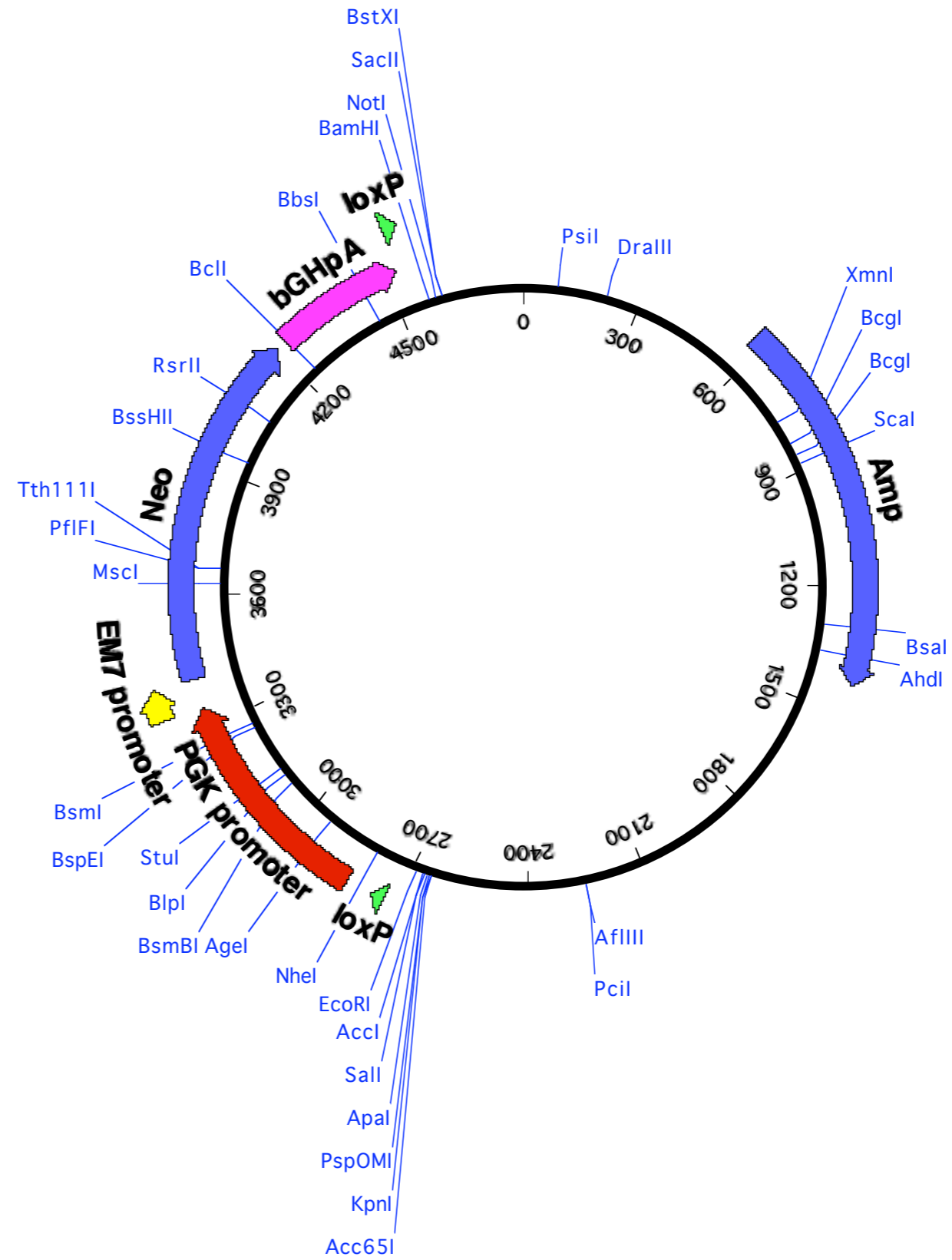
Inserts The plasmid contains a neo cassette flanked by two *loxP* sites. The neo gene is expressed both from a prokaryotic promoter (*em7*) and a eucaryotic promoter (*Pgk*): *loxP-Pgk-em7-Neo-loxP*.

Reporter gene

Promoter, splice, PolyA

Comments Look at the map attached!
A gift from Denis Duboule's lab.

Reference http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=12618378



Construct number 1886

Date entered 22.2.06

Constructed by Pentao Liu

Date constructed 2003

PLASMID NAME

PL253

bacterial marker Amp

parent vector Bluescript bacterial plasmid

other relevant source constructs

PL451, PL452

Inserts

A pBluescript-derived plasmid for retrieval of DNA from a BAC. This plasmid contains an *Mc1*-driven Thymidine Kinase (*TK*) cassette for negative selection in ES cells. Retrieval of DNA into this vector from a BAC is the first step in the construction of a gene targeting vector.

Reporter gene

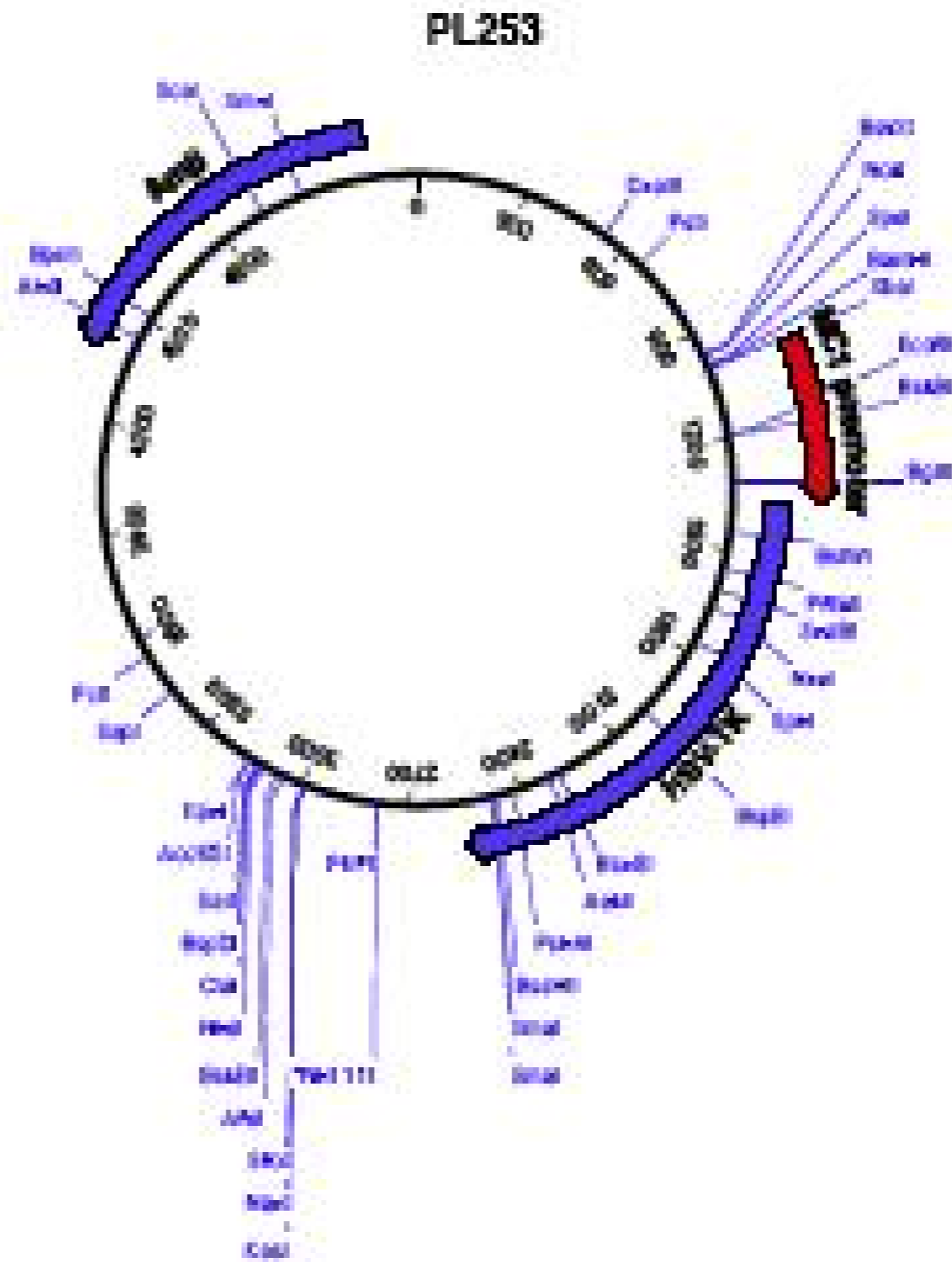
Promoter, splice, PolyA

Comments Look at the map attached!

A gift from Denis Duboule's lab.

Reference

http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=12618378



Construct number

Date entered 27.2.06

Constructed by from Invitrogen

Date constructed

PLASMID NAME

BE948578

BMAP library ID

UI-M-BH3-awa-c-12-0-UI.s4

bacterial marker Amp

parent vector

pT7T3D-Pacl

bacterial plasmid

pUC

other relevant source constructs

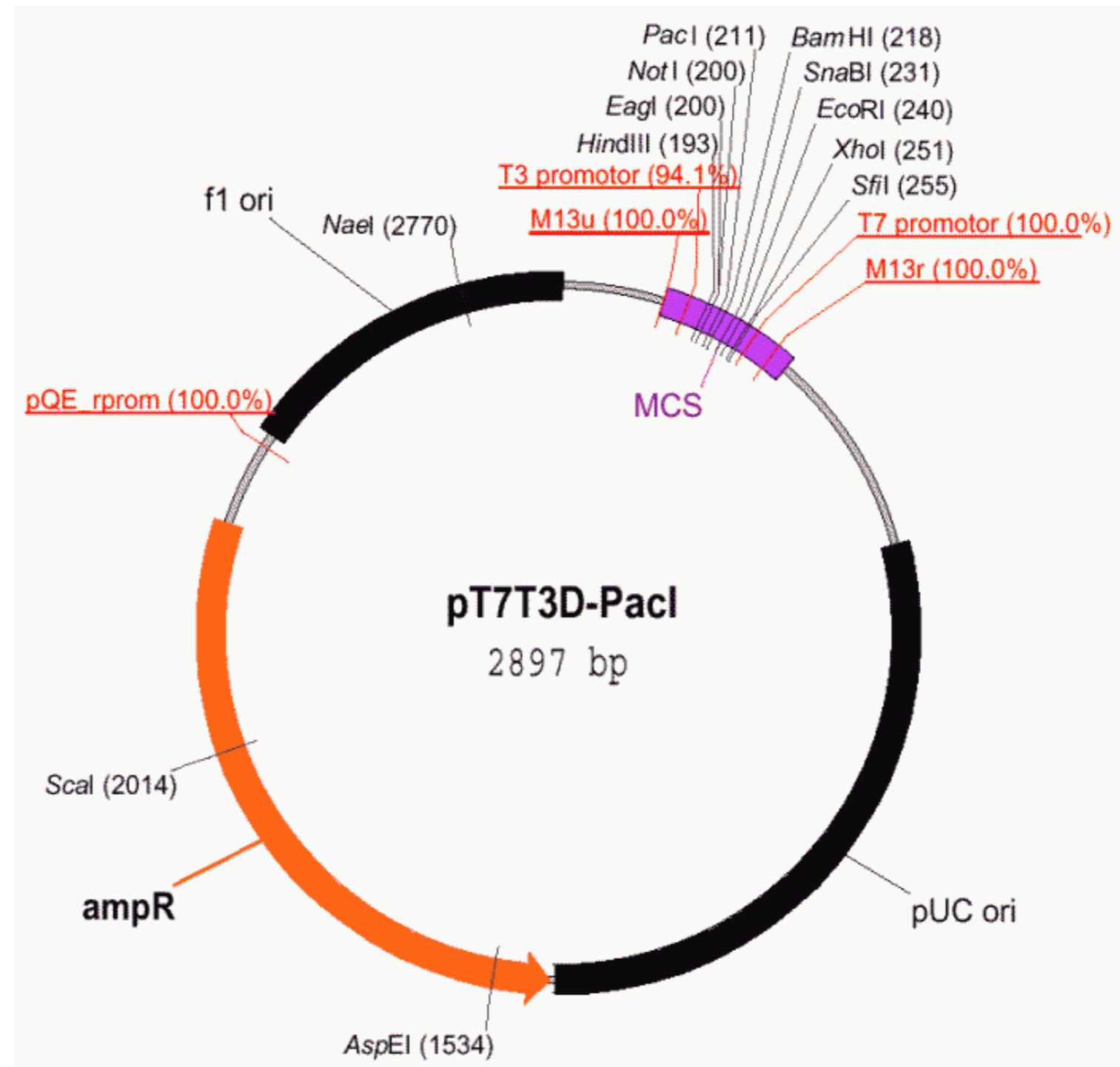
Inserts partial mouse GPR30 cDNA

Reporter gene

Promoter,
splice,
PolyA

Comments - partial sequence available covering 5' of ORF
- cloned between EcoRI and NotI (5'-3')
- map on right shows parental vector

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 2.3.06

Constructed by Morag MacLean & Diana Wider

Date constructed 14.02.2006

PLASMID NAME

pBT3-STE/Gpr30Flag

bacterial marker Kan	parent vector PBT3-STE
yeast marker LEU2	bacterial plasmid
eucaryotic replicon CEN/ARS	other relevant source constructs pEscLeu/Gpr30Flag

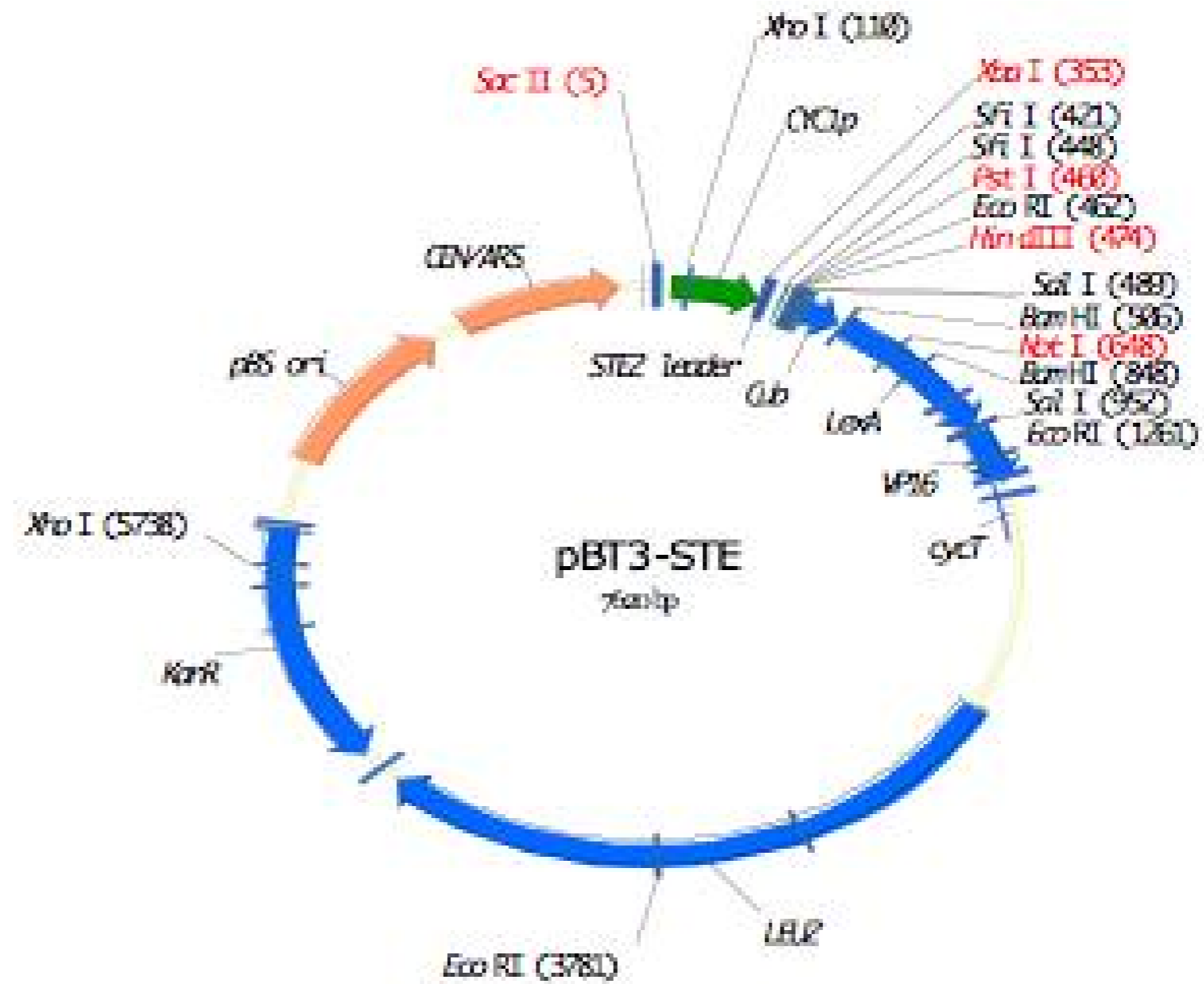
Inserts Amplified Gpr30Flag from pEscLeu/Gpr30Flag using primers Fgpr30Dra3 and Rgpr30Dra3, cloned into Sfi1 site (destroying DraIII and Sfi1 sites). Gpr30Flag has the Ste2 signal peptide leader sequence fused at its N-terminus (in frame).

Reporter gene

Promoter, - CYC1 promoter
splice, - CYC1 terminator
PolyA

Comments - for split ubiquitin 2-hybrid system

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

1889

Date entered

15.3.06

Constructed by

Morag MacLean & Diana Wider

Date constructed

08.03.06

PLASMID NAME

p2U/FlagMNAR Δ C

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U

bacterial plasmid

other relevant source constructs

p2U/FlagMNAR

Inserts

Excised the 1.2kb Flag+Nt MNAR fragment from p2U/FlagMNAR with BamHI and cloned into p2U at BamHI site.

Reporter gene

Promoter,
splice,
PolyA GPD (glyceraldehyde-3-phosphate-dehydrogenase)

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1890

Date entered

15.3.06

Constructed by

Morag MacLean & Diana Wider

Date constructed

08.03.06

PLASMID NAME

p2HG/FlagMNAR Δ C

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

other relevant source constructs

p2U/FlagMNAR

Inserts

Excised the 1.2kb Flag+Nt MNAR fragment from p2U/FlagMNAR with BamHI and cloned into p2U at BamHI site.

Reporter gene

Promoter,
splice,
PolyA GPD (glyceraldehyde-3-phosphate-dehydrogenase)

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

1891

Date entered

27.3.06

Constructed by

Pierre-André Briand

Date constructed

03/2006

PLASMID NAME

pRS313/TgHsp90

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313/GPD-PGK

bacterial plasmid

Bluescript

other relevant source constructs

3Y1 (from Pablo Echeverría)

Inserts Toxoplasma gondii Hsp90 ORF

Reporter gene

Promoter,
splice,
PolyA GPD promoter and PGK terminator

Comments - complete sequence available (ORF is between EcoRI sites)

Reference

Construct number

1892

Date entered

25.4.06

Constructed by

Rosenfeld lab

Date constructed

PLASMID NAME

ER α (L14,15A)

bacterial marker Amp

parent vector

?

bacterial plasmid

?

other relevant source constructs

Inserts

human estrogen receptor α (ER α) with double mutant L14A and L15A

Reporter gene

Promoter,
splice,
PolyA

Comments - mammalian expression vector

Reference Zhu et al. (2006) Cell 124, 615-629

Construct number

1893

Date entered

25.4.06

Constructed by

Rosenfeld lab

Date constructed

PLASMID NAME

MEKK1

bacterial marker Amp

parent vector

?

bacterial plasmid

?

other relevant source constructs

Inserts MEKK1

Reporter gene

Promoter,
splice,
PolyA

Comments - mammalian expression vector

Reference Zhu et al. (2006) Cell 124, 615-629

Construct number

1894

Date entered

25.4.06

Constructed by

Rosenfeld lab

Date constructed

PLASMID NAME

TAB2

bacterial marker Amp

parent vector

?

bacterial plasmid

?

other relevant source constructs

Inserts TAB2

Reporter gene

Promoter,
splice,
PolyA

Comments - mammalian expression vector

Reference Zhu et al. (2006) Cell 124, 615-629

Construct number

1895

Date entered

25.4.06

Constructed by

Rosenfeld lab

Date constructed

PLASMID NAME

BMP7-luciferase

bacterial marker Amp

parent vector

?

bacterial plasmid

?

other relevant source constructs

Inserts human BMP7 promoter (-1091 to -250)

Reporter gene luciferase

Promoter,
splice,
PolyA

Comments - BMP7-luciferase reporter (details unclear)

Reference Zhu et al. (2006) Cell 124, 615-629

DIDIER PICARD LAB, University of Geneva

Construct number

1896

Date entered

21.5.06

Constructed by

Deo Prakash Pandey

Date constructed

May 2006

PLASMID NAME

pBS.yGFP

bacterial marker Amp

parent vector

Bluescript (+)

bacterial plasmid

other relevant source constructs

pSVA12

Inserts

yeast-optimised GFP (from pSVA12) was amplified with 5' Sall and 3' NotI sites and then ligated into BS(+). The purpose was, to create an in-frame fusion with hER-alpha. It retains a lot of useful RE sites in both flanks for any further clonings.

Reporter gene

Promoter,
splice,
PolyA

Comments Sequences of the insert as well as both primers are available.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 21.5.06

Constructed by Deo Prakash Pandey

Date constructed May 2006

PLASMID NAME

p2LG.ER-GFP

bacterial marker Amp

yeast marker LEU2

eukaryotic replicon 2 μ circle

parent vector

p2LG

bacterial plasmid

other relevant source constructs

pBS.yGFP

Inserts The insert contains a c-terminus hER-alpha/GFP fusion.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 21.5.06

Constructed by Peter

Date constructed

PLASMID NAME

pLG-Flag::OAF1-F542A

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

pLG-Flag::OAF1

bacterial plasmid

other relevant source constructs

Inserts flag tagged full length Oaf1, with point mutation.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.5.06

Constructed by Deo Prakash Pandey

Date constructed May 2006

PLASMID NAME

pBS.ERalpha_3'UTR

bacterial marker Amp

parent vector

Bluescript (+)

bacterial plasmid

other relevant source constructs

pfGH.3'UTR, BS(+)

Inserts

3'UTR of hER-alpha was amplified with *speI* site at both end using PCR and then, ligated into BS(+) also cut with *speI*. Expected band sizes after cutting this vector with *speI* is 3 and 4kb (4 kb is insert).

Reporter gene

Promoter,
splice,
PolyA

Comments This is kind of parent vector for ER-alpha 3'UTR in our lab.

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.5.06

Constructed by Deo Prakash Pandey

Date constructed May 2006

PLASMID NAME

Retrieval_GPR30

bacterial marker Amp

parent vector
Bluescript
bacterial plasmid

other relevant source constructs
PL253, 1880/1881

Inserts Retrieval plasmid for gpr30. This plasmid is used to retrieve a ca. 10 kb region flanking 3rd exon of gpr30 using homologous recombination from the BAC clone (plasmid nr. 1880/1881).

Reporter gene

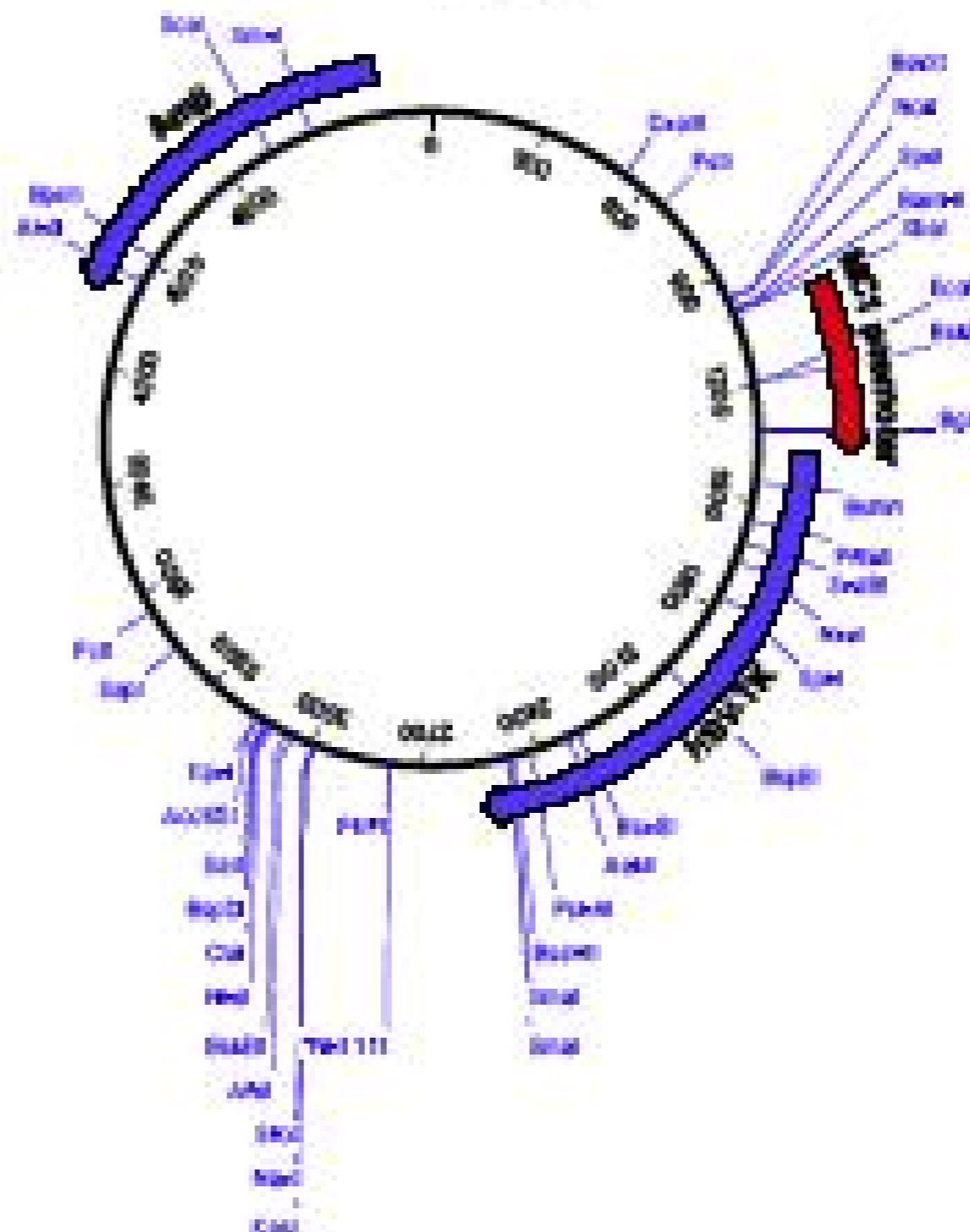
Promoter,
splice,
PolyA

Comments Look at the map attached!

Sequence of the two inserts with flanking, NotI and EcoRV, and flanking EcoRV and SpeI is available.

Reference

PL253



DIDIER PICARD LAB, University of Geneva

Construct number

1901

Date entered

31.5.06

Constructed by

Deo Prakash Pandey

Date constructed

31.5.06

PLASMID NAME

pGL3.3'UTR

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

pGL3-CMV.luc, pFGH.ER3'UTR, pBS.3'UTR

Inserts

3'UTR of hER-alpha was cut from pBS.3'UTR using *speI* and ligated into pGL3-CMV.luc at the *XbaI* site.

Insert contains: 484-4487 bp. Reference: Last exon ESR1

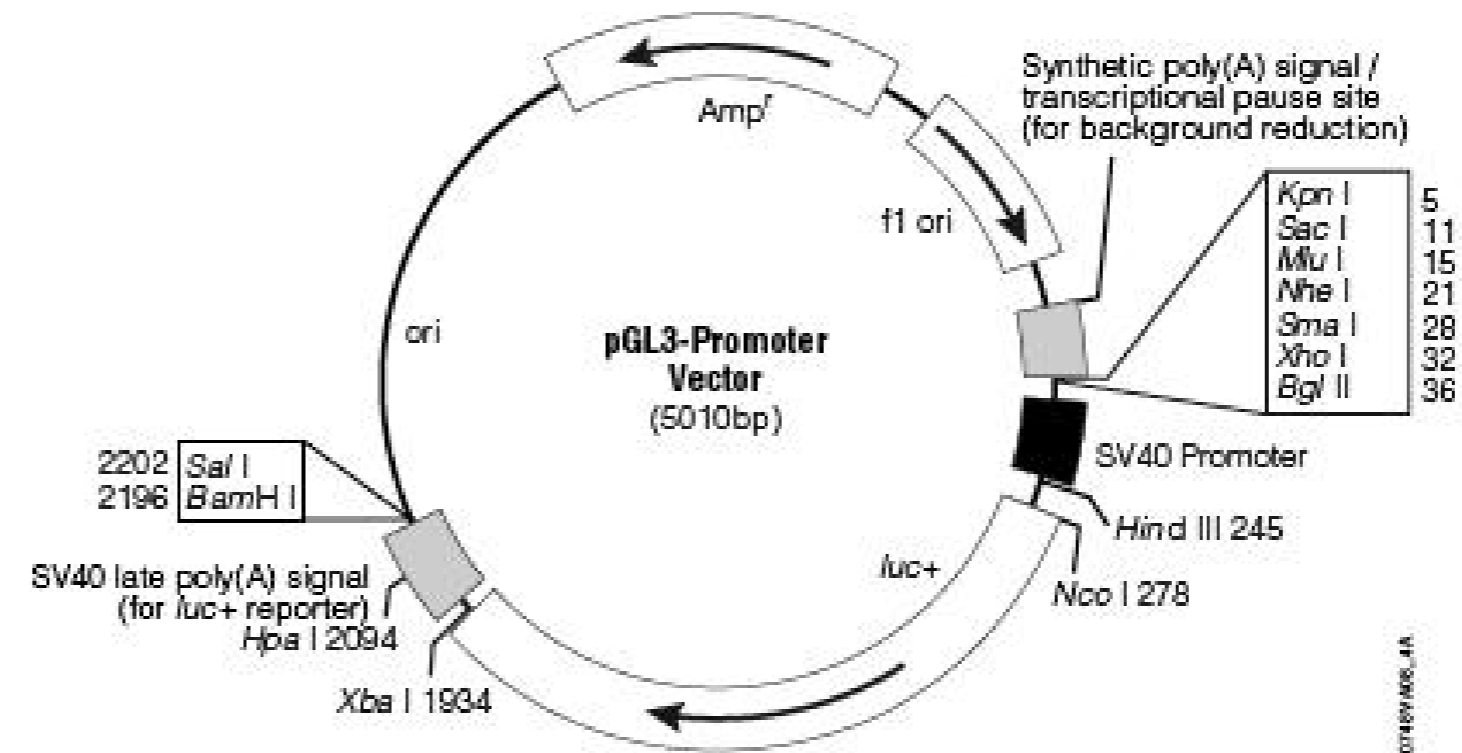
Reporter gene luciferase

Promoter, splice, PolyA CMV

Comments Please note that *XbaI* site is destroyed.

Sequence as well as primers are available.

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number

1902

Date entered

2.6.06

Constructed by

Pierre-André Briand

Date constructed

June 2006

PLASMID NAME

pcDNA/mGPR30

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA3.1+

bacterial plasmid

pUC

other relevant source constructs

IMAGE:3596816

Inserts mouse GPR30

Reporter gene

Promoter,
splice,
PolyA

- CMV promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments - 5' portion was obtained by PCR from BE948578 as template

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 5.6.06

Constructed by Deo Prakash Pandey

Date constructed June 2006

PLASMID NAME

pGL3-DP.CMV

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

pGL3-CMV.luc

Inserts

We received pGL3-CMV.luc from Mol. Bio (look pGL3-CMV.luc for details) and fused in NotI-EcoRV-EcoRI site at the XbaI sites, while keeping unique. Sequence of the insert at the XbaI site is available in sequence section.

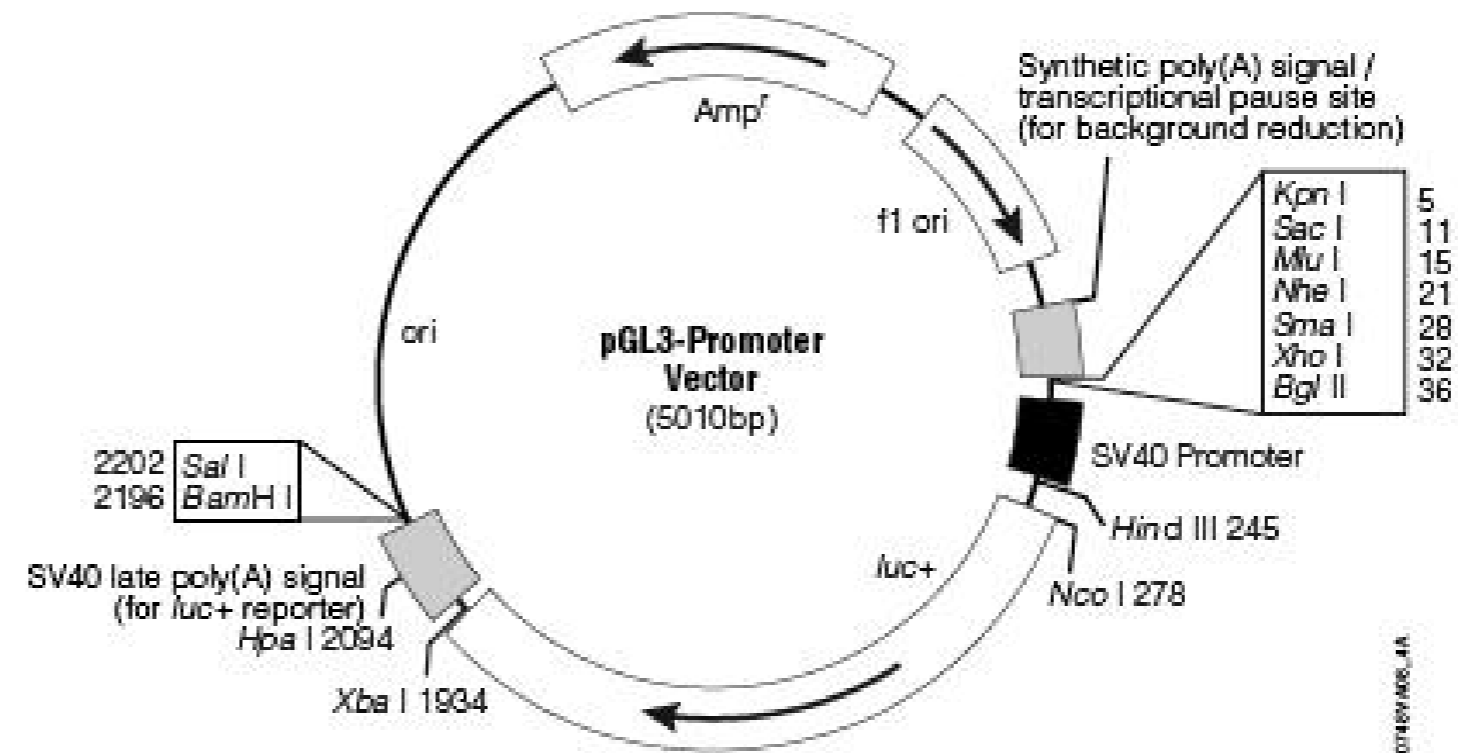
Reporter gene

Promoter, splice, PolyA CMV

Comments This plasmid is useful to study the role of 3'UTR of any gene with luciferase reporter.

If you are using it in 293T, remember that it has a CMV enhancer and hence use ca. as much as Renilla (pRL.CMV)

Reference



Construct number

1904

Date entered

16.6.06

Constructed by

from rzpd.de

Date constructed

PLASMID NAME

IMAGE:3497962

Rzpd ID

IRAVp968A1217D6

bacterial marker Amp

parent vector
pCMV-SPORT6

bacterial plasmid
pUC

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts

partial cDNA of mouse AARSD1 (=tsp23); is missing about 360 bp from very 5' end of transcript ENSMUST00000093933

Reporter gene

Promoter,
splice,
PolyA CMV

Comments - sequence available from Genbank entry BC005711.
- cDNA cloned in as follows: RE3' : NotI, RE5' : SalI

Reference

Construct number

1905

Date entered

16.6.06

Constructed by

from rzpd.de

Date constructed

PLASMID NAME

IMAGE:5031259

Rzpd ID

IRAKp961D04123Q2

bacterial marker Amp

parent vector
pCMV-SPORT6

bacterial plasmid
pUC

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts partial cDNA of mouse AARSD1 (=tsp23); is missing the 3' portion of transcript ENSMUST00000093933

Reporter gene

Promoter, CMV
splice,
PolyA

Comments - sequence available from Genbank entry BC057970.
- cDNA cloned in as follows: RE3' : NotI, RE5' : SalI

Reference

Construct number
Constructed by from rzpd.de

Date entered 16.6.06
Date constructed

PLASMID NAME

IMAGE:2823004

Rzpd ID

IRALp962P199Q

<u>bacterial marker</u> Chl	<u>parent vector</u> pOTB7 <u>bacterial plasmid</u>
<u>eucaryotic replicon</u>	<u>other relevant source constructs</u>

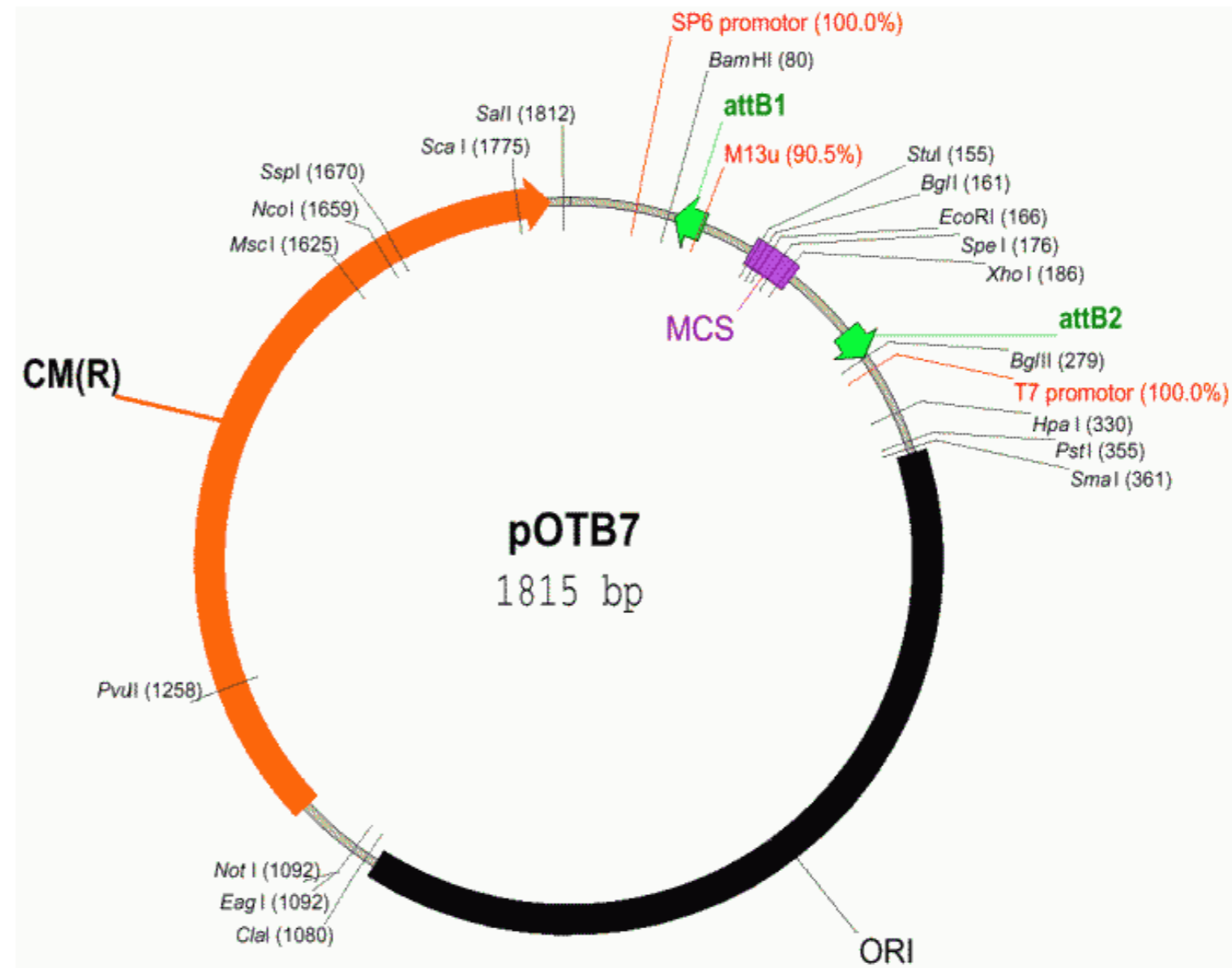
Inserts cDNA of full-length human AARSD1 (=tsp23); 525 AA version, lacks first two AAs (MA) of a potential N-terminal extension

Reporter gene

Promoter, splice, PolyA SP6, T7

Comments - sequence available from Genbank entry BC019324.
- cDNA cloned in as follows: RE5' : EcoRI; RE3' : XhoI

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 1907

Date entered 23.6.06

Constructed by Deo Prakash Pandey

Date constructed June 2006

PLASMID NAME

pSR.miR-19a

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSuper-Retro

bacterial plasmid

other relevant source constructs

Inserts miR-19a cloned into pSR to be expressed as an shRNA. pSR was cut with BglIII and XhoI.

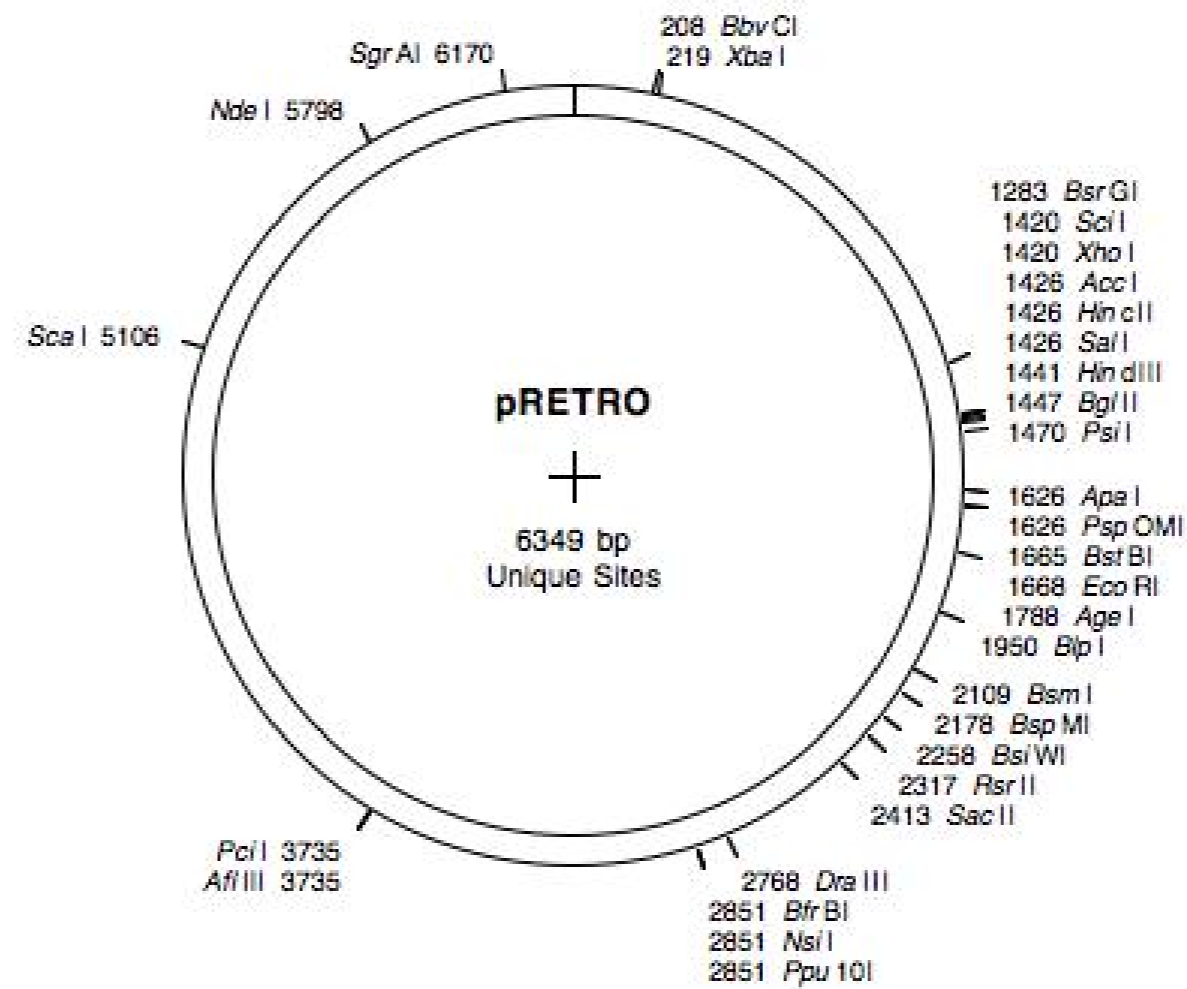
miR-19a: **TGTGCAAATCTATGCAAACCTGA**

Reporter gene

Promoter,
splice,
PolyA

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number 1908

Date entered 23.6.06

Constructed by Deo Prakash Pandey

Date constructed June 2006

PLASMID NAME

pSR.miR-26a

bacterial marker Amp

vertebrate marker Puromycin

parent vector
pSuper-Retro

bacterial plasmid

other relevant source constructs

Inserts miR-26a cloned into pSR to be expressed as an shRNA. pSR was cut with BglIII and XhoI.

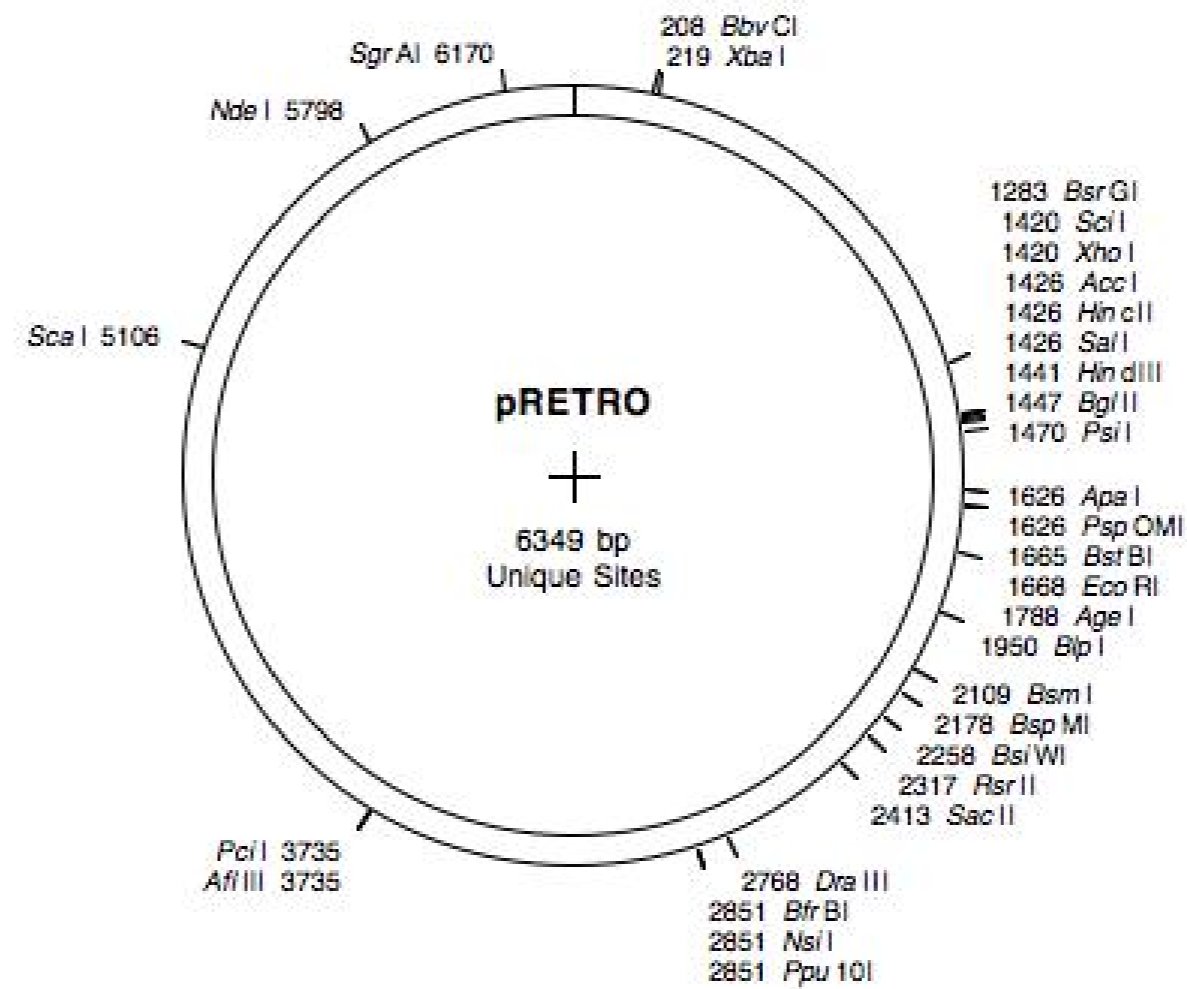
miR-26a: **TTCAAGTAATCCAGGATAGGC**

Reporter gene

Promoter,
splice,
PolyA

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number 1909

Date entered 23.6.06

Constructed by Deo Prakash Pandey

Date constructed June 2006

PLASMID NAME

pSR.miR-93

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSuper-Retro

bacterial plasmid

other relevant source constructs

Inserts miR-93 cloned into pSR to be expressed as an shRNA. pSR was cut with BglIII and XhoI.

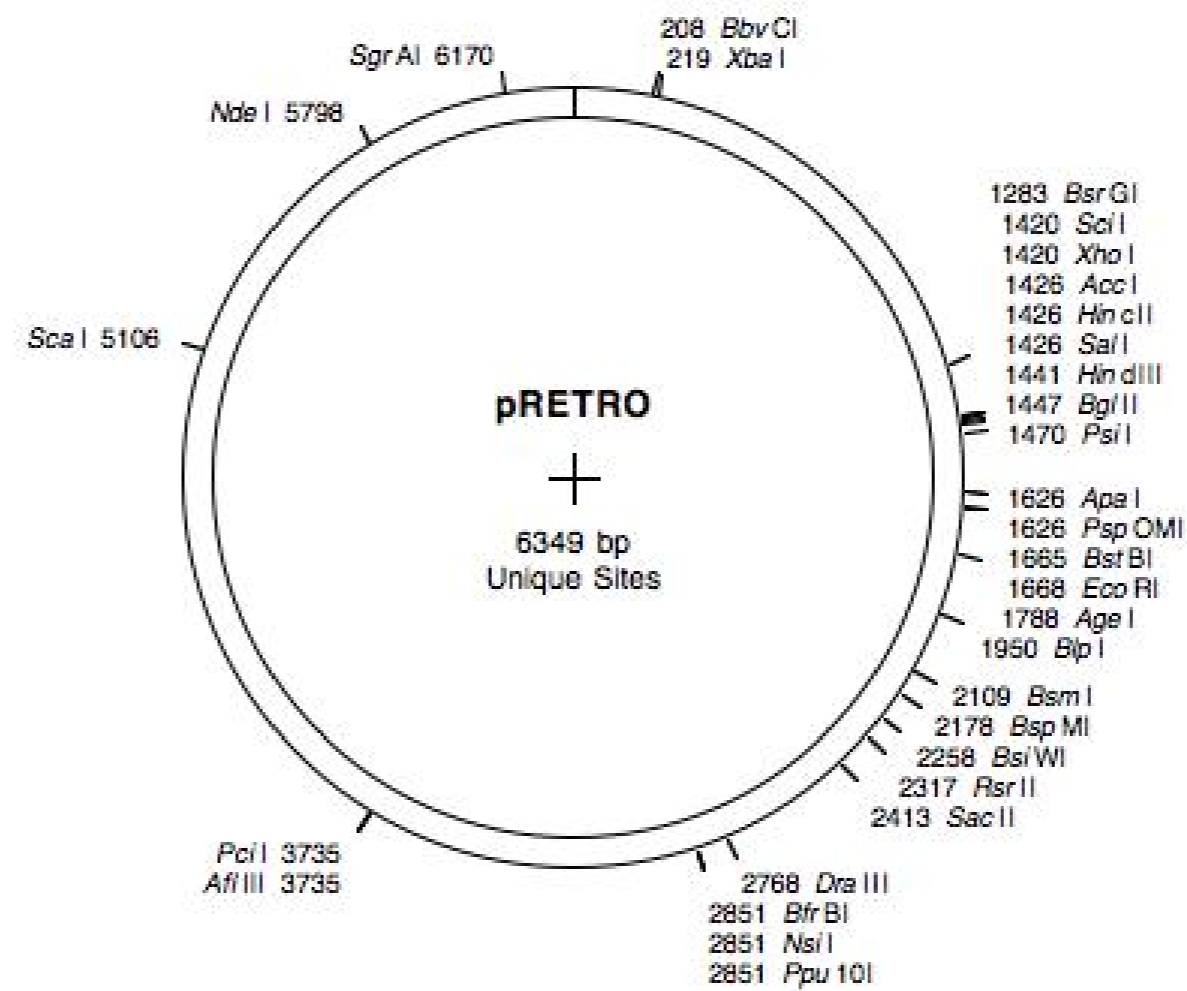
miR-93: **AAAGTGCTGTTTCGTGCAGGTAG**

Reporter gene

Promoter,
splice,
PolyA

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number 1910

Date entered 23.6.06

Constructed by Deo Prakash Pandey

Date constructed June 2006

PLASMID NAME

pSR.miR-130a

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSuper-Retro

bacterial plasmid

other relevant source constructs

Inserts miR-130a cloned into pSR to be expressed as an shRNA. pSR was cut with BglII and XhoI.

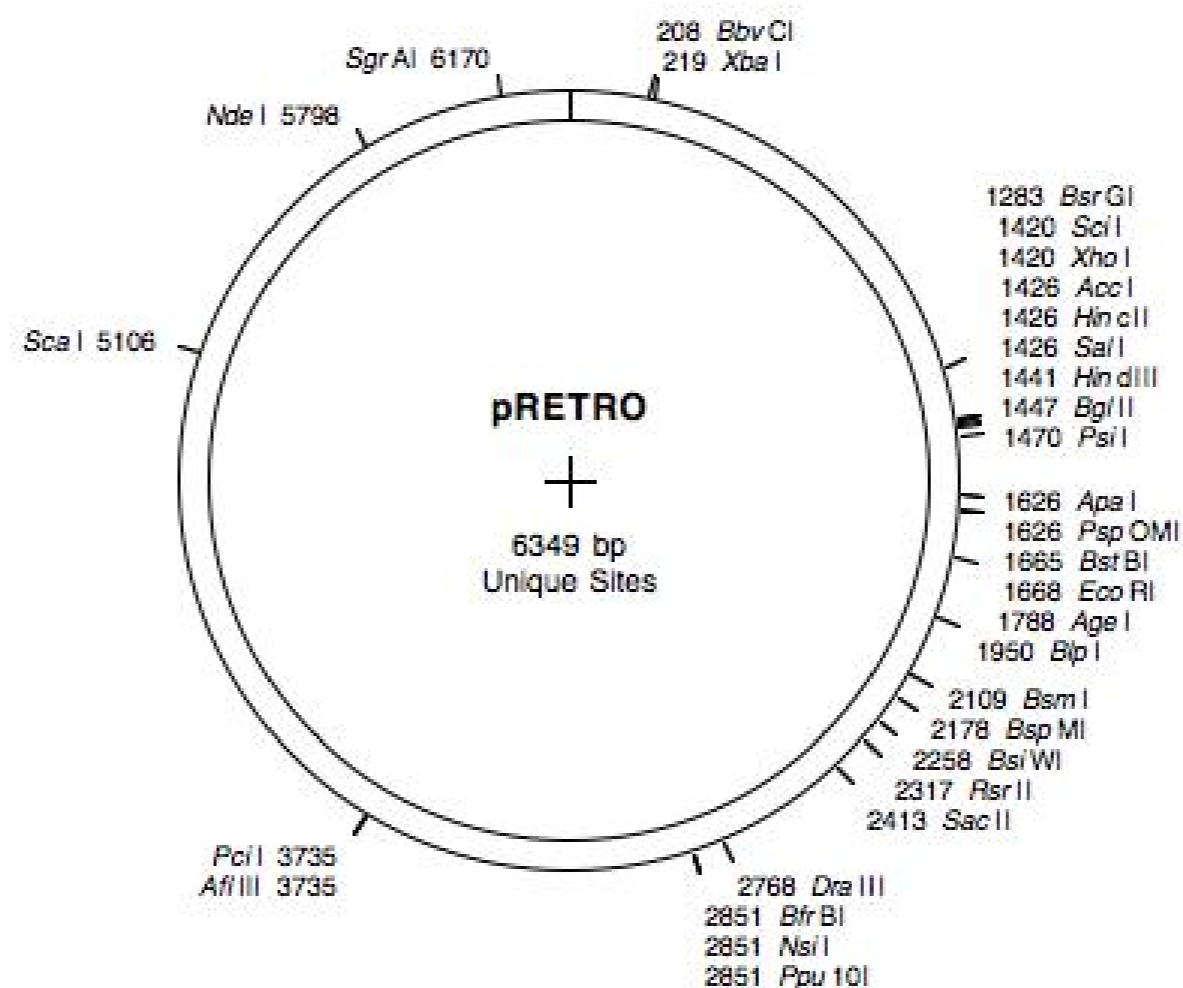
miR-130a: **CAGTGC AATGTTAAAAGGGCAT**

Reporter gene

Promoter,
splice,
PolyA

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 23.6.06

Constructed by Deo Prakash Pandey

Date constructed June 2006

PLASMID NAME

pSR.miR-22-m1

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSuper-Retro

bacterial plasmid

other relevant source constructs

pSR.miR-22

Inserts miR-22 sequence was mutated at the shown position and thereafter cloned into pSR to be expressed as an shRNA. pSR was cut with BglII and XhoI.

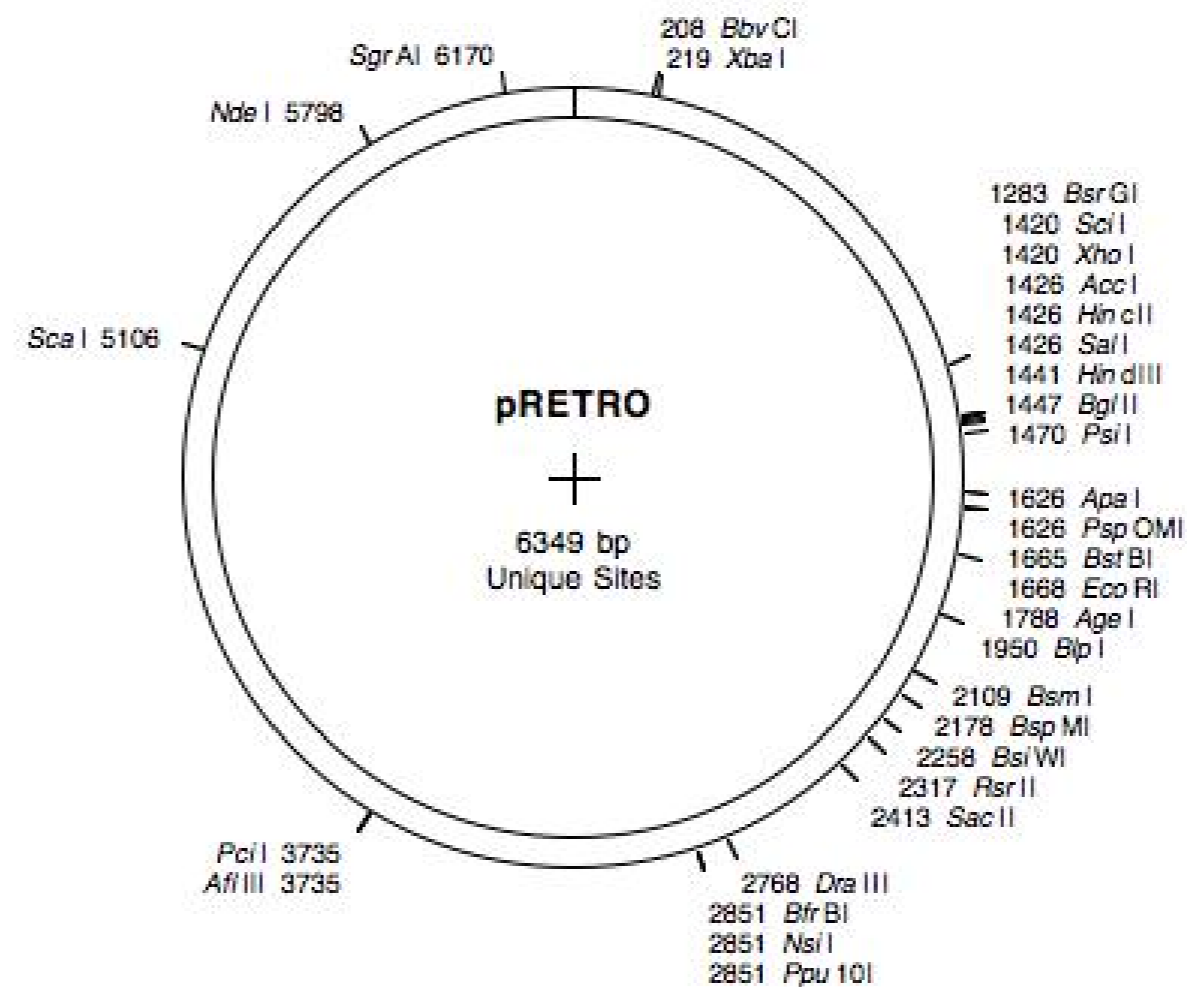
miR-22-m1: **AACCTGCCAGTTGAAGAAGTGT**

Reporter gene

Promoter,
splice,
PolyA

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number 1912

Date entered 23.6.06

Constructed by Deo Prakash Pandey

Date constructed June 2006

PLASMID NAME

pSR.miR-22-m2

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSuper-Retro

bacterial plasmid

other relevant source constructs

pSR.miR-22

Inserts miR-22 sequence was mutated at the shown position and thereafter cloned into pSR to be expressed as an shRNA. pSR was cut with BglII and XhoI.

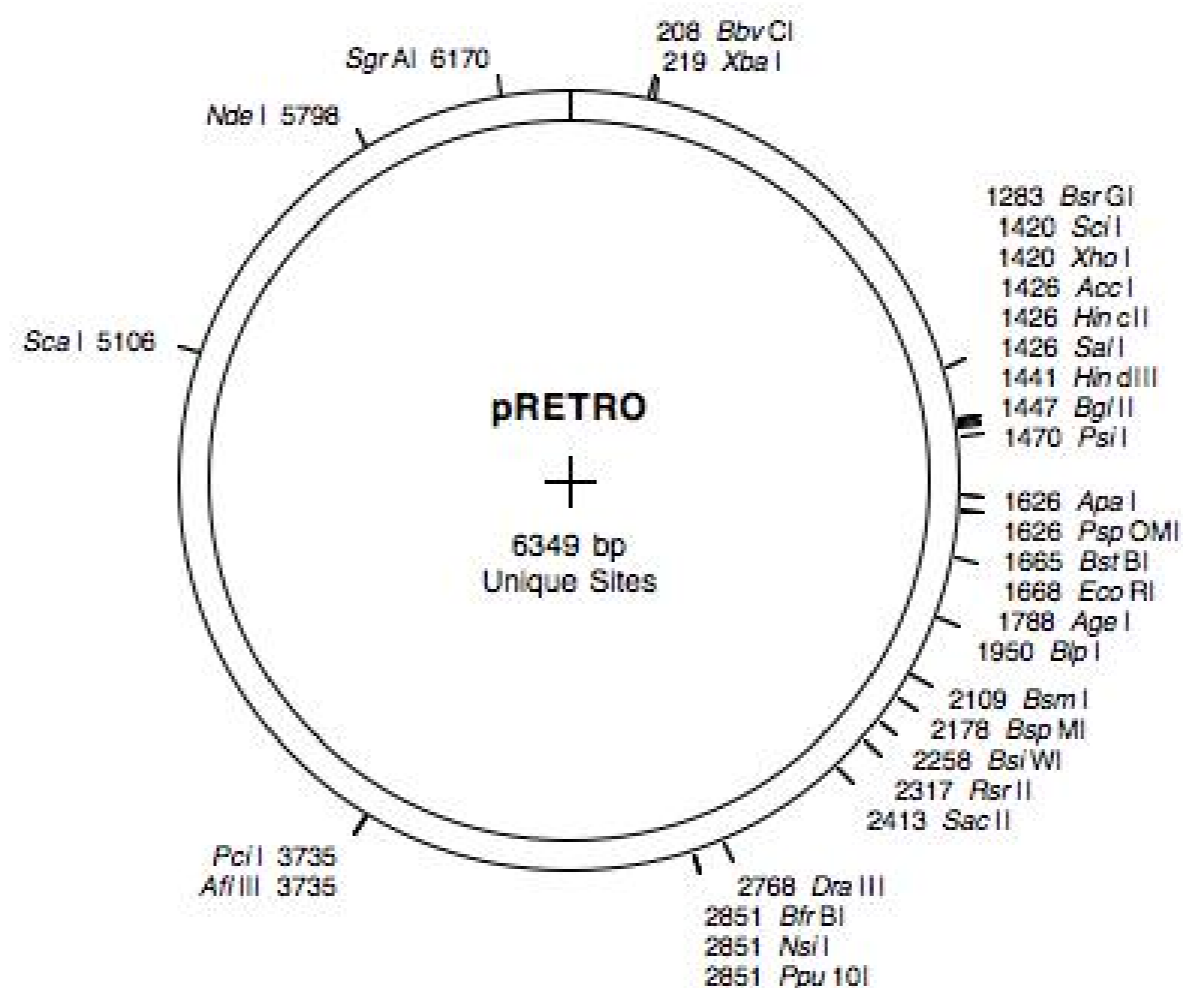
miR-22-m2: **AAGGTGCCAGTTGAAGAAGTGT**

Reporter gene

Promoter,
splice,
PolyA

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number 1913

Date entered 23.6.06

Constructed by Deo Prakash Pandey

Date constructed June 2006

PLASMID NAME

pSR.miR-22-m1+2

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSuper-Retro

bacterial plasmid

other relevant source constructs

pSR.miR-22

Inserts miR-22 sequence was mutated at the shown position and thereafter cloned into pSR to be expressed as an shRNA. pSR was cut with BglII and XhoI.

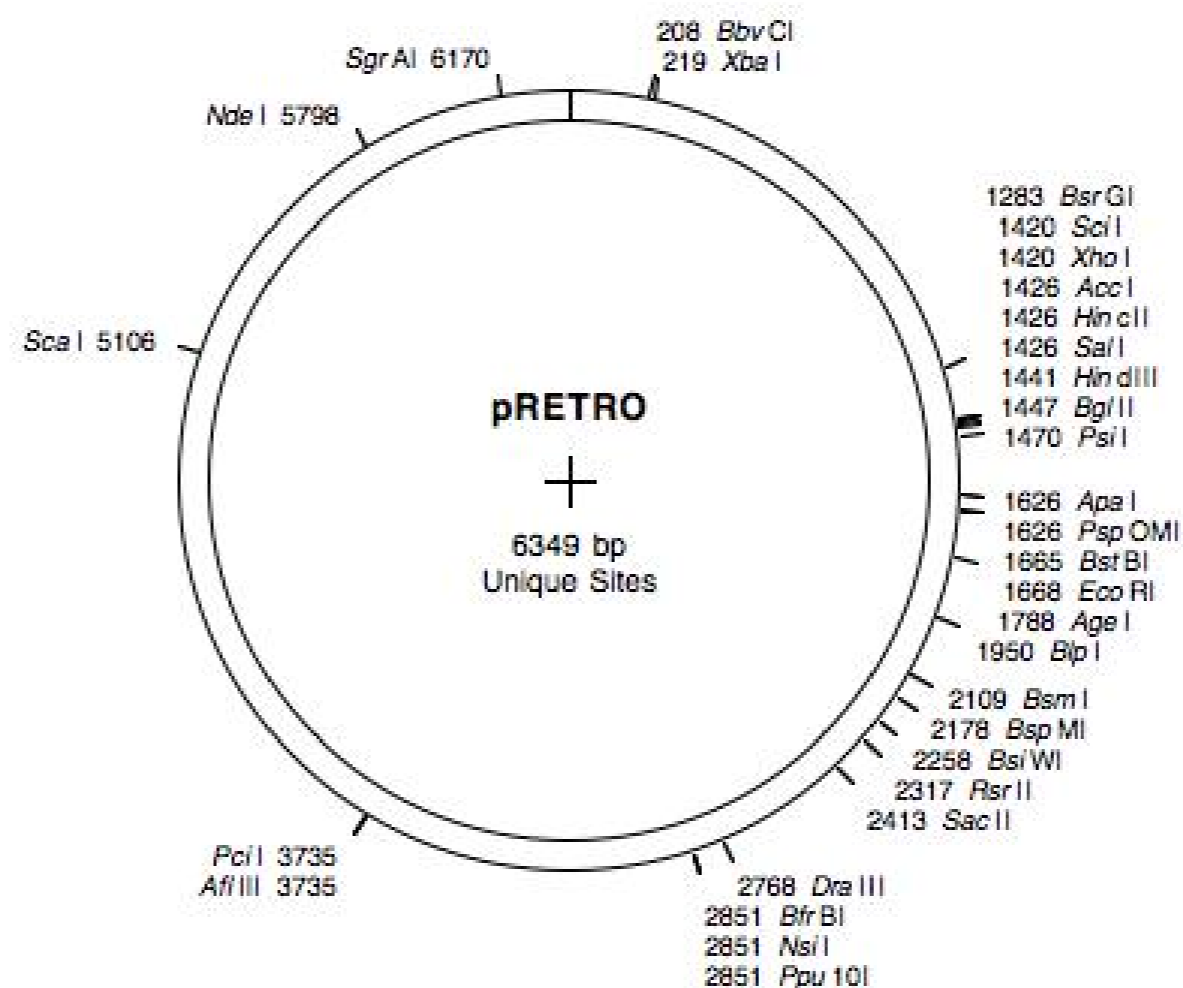
miR-22-m1+m2: **AACGTGCCAGTTGAAGAACTGT**

Reporter gene

Promoter,
splice,
PolyA

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number 1914

Date entered 23.6.06

Constructed by Pierre-André Briand

Date constructed 06/2006

PLASMID NAME

pEGFP.90β

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pEGFP-C1

bacterial plasmid

pUC

other relevant source constructs

pCherry.90β

Inserts Enhanced green fluorescent protein (EGFP) fused to human Hsp90β

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - plasmid recloned 06_2009 by Diana Wider since original lacked a small internal EcoRI fragment within Hsp90 coding sequence

- sequence available
- deposited in Addgene with plasmid ID 108221

Reference Picard et al. (2006) Exp. Cell Res. 312, 3949

Construct number

1915

Date entered

23.6.06

Constructed by

Martin Piskacek

Date constructed

PLASMID NAME

pBTM-Oaf1(1-1021)

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts

LexA DNA binding domain fused to C-terminal deletion mutant of Oaf1 (AA 1-1021)

Reporter gene

Promoter, ADH1 promoter and ADH1 terminator
splice,
PolyA

Comments - Oaf1 sequence is cloned as Sal1/Pst1 fragment

Reference

Construct number

1916

Date entered

23.6.06

Constructed by

Martin Piskacek

Date constructed

PLASMID NAME

pBTM-Oaf1(1021-1036)

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts LexA DNA binding domain fused to C-terminal portion Oaf1 (AA 1021-1036)

Reporter gene

Promoter, ADH1 promoter and ADH1 terminator
splice,
PolyA

Comments - Oaf1 sequence is cloned as Sal1/Pst1 fragment

Reference

Construct number

1917

Date entered

23.6.06

Constructed by

Martin Piskacek

Date constructed

PLASMID NAME

pBTM-Oaf1(1-1047)DYD1037GGG

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts

LexA DNA binding domain fused to full-length Oaf1 with triple mutation within activation domain changing AA 1037-1039 (DYD) to GGG.

Reporter gene

Promoter, ADH1 promoter and ADH1 terminator
splice,
PolyA

Comments - full-length Oaf1 sequence is cloned as Sal1 fragment

Reference

Construct number 1918

Date entered 23.6.06

Constructed by Martin Piskacek

Date constructed

PLASMID NAME

GST-Oaf1(1-1047)

bacterial marker Amp

parent vector pYEX4T-1

bacterial plasmid pUC

yeast marker URA3

other relevant source constructs

eucaryotic replicon 2μ circle

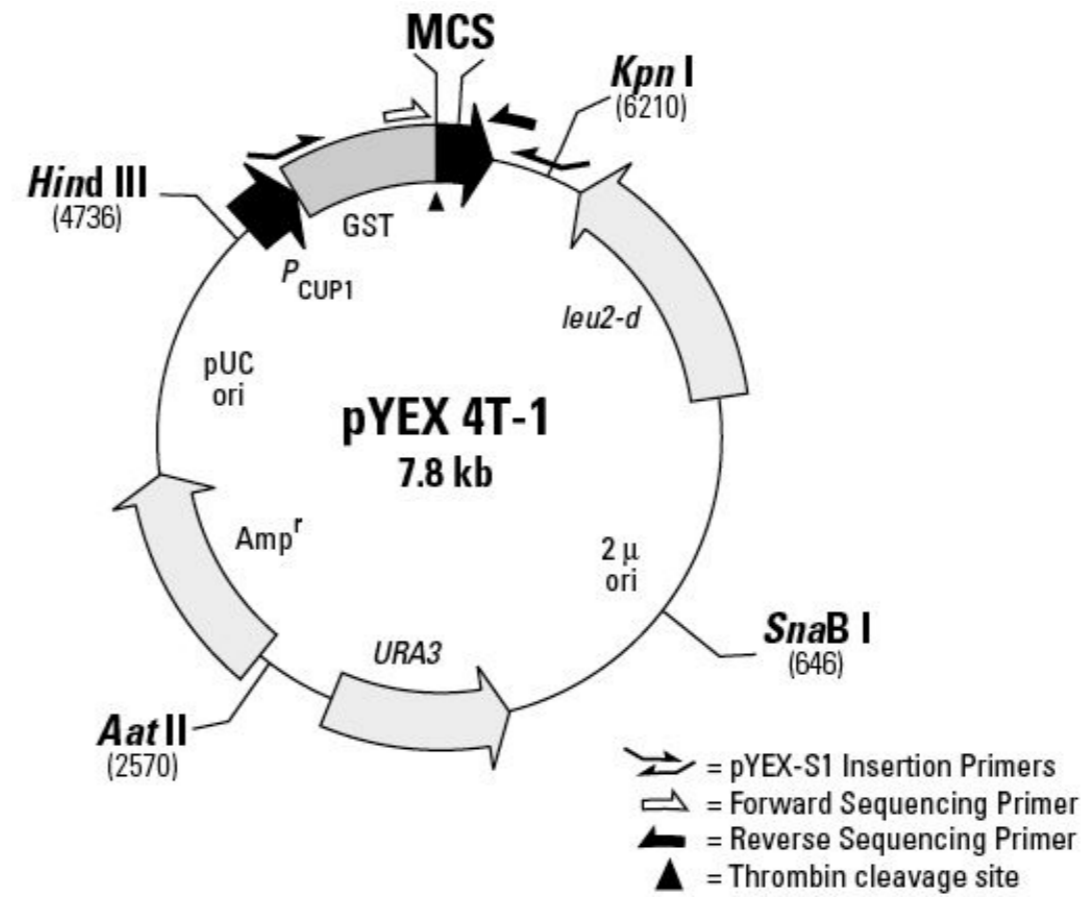
Inserts full-length Oaf1

Reporter gene

Promoter, splice, PolyA CUP1 promoter

Comments - vector also contains leu2-d marker
- Oaf1 sequence probably cloned in as Sal1 fragment
- vector is from Clontech

Reference



Construct number

1919

Date entered

23.6.06

Constructed by

Martin Piskacek

Date constructed

PLASMID NAME

GST-Oaf1(1-425)

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYEX4T-1

bacterial plasmid

pUC

other relevant source constructs

Inserts Oaf1 AA 1-425 (Xho1 site)

Reporter gene

Promoter,
splice,
PolyA CUP1 promoter

Comments - vector also contains leu2-d marker
- see GST-Oaf1(1-1047) for details on vector and full-length construct
- vector is from Clontech

Reference

Construct number

1920

Date entered

23.6.06

Constructed by

Martin Piskacek

Date constructed

PLASMID NAME

GST-Oaf1(1-486)

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYEX4T-1

bacterial plasmid

pUC

other relevant source constructs

Inserts Oaf1 AA 1-486 (Xho1 site)

Reporter gene

Promoter,
splice,
PolyA CUP1 promoter

Comments - vector also contains leu2-d marker
- see GST-Oaf1(1-1047) for details on vector and full-length construct
- vector is from Clontech

Reference

Construct number

1921

Date entered

23.6.06

Constructed by

Martin Piskacek

Date constructed

PLASMID NAME

GST-Oaf1(1-180)

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYEX4T-1

bacterial plasmid

pUC

other relevant source constructs

Inserts Oaf1 AA 1-180 (Kpn1 site)

Reporter gene

Promoter,
splice,
PolyA CUP1 promoter

Comments - vector also contains leu2-d marker
- see GST-Oaf1(1-1047) for details on vector and full-length construct
- vector is from Clontech

Reference

Construct number

1922

Date entered

23.6.06

Constructed by

Martin Piskacek

Date constructed

PLASMID NAME

GST-Oaf1(1-962)

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYEX4T-1

bacterial plasmid

pUC

other relevant source constructs

Inserts Oaf1 AA 1-962 (Pst1 site)

Reporter gene

Promoter,
splice,
PolyA CUP1 promoter

Comments - vector also contains leu2-d marker
- see GST-Oaf1(1-1047) for details on vector and full-length construct
- vector is from Clontech

Reference

Construct number

1923

Date entered

23.6.06

Constructed by

Martin Piskacek

Date constructed

PLASMID NAME

GST-Oaf1(1-807)

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYEX4T-1

bacterial plasmid

pUC

other relevant source constructs

Inserts Oaf1 AA 1-807 (Bgl2 site)

Reporter gene

Promoter,
splice,
PolyA CUP1 promoter

Comments - vector also contains leu2-d marker
- see GST-Oaf1(1-1047) for details on vector and full-length construct
- vector is from Clontech

Reference

Construct number

1924

Date entered

23.6.06

Constructed by

Martin Piskacek

Date constructed

PLASMID NAME

GST-Oaf1(1-1047)DYD1037GGG

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYEX4T-1

bacterial plasmid

pUC

other relevant source constructs

Inserts

Oaf1 with triple mutation within activation domain changing AA 1037-1039 (DYD) to GGG.

Reporter gene

Promoter,
splice,
PolyA CUP1 promoter

Comments

- vector also contains leu2-d marker
- see GST-Oaf1(1-1047) for details on vector and full-length construct
- vector is from Clontech

Reference

Construct number

1925

Date entered

23.6.06

Constructed by

Martin Piskacek

Date constructed

PLASMID NAME

pADH2-Pip2-HA

bacterial marker Amp

yeast marker TRP1

parent vector

pYIplac204

bacterial plasmid

pUC

other relevant source constructs

Inserts

Pip2 fused to HA epitope. There are 3 copies of the HA epitope (Ab 12CA5) inserted within the open reading frame at the Nco1 site (construct complements deletion strain).

Reporter gene

Promoter,
splice,
PolyA

ADH2

Comments - linearize with EcoRV to integrate into TRP1 locus

Reference

Construct number

1926

Date entered

23.6.06

Constructed by

Martin Piskacek

Date constructed

PLASMID NAME

pTPI-Pip2-HA

bacterial marker Amp

yeast marker TRP1

parent vector

pYIplac204

bacterial plasmid

pUC

other relevant source constructs

Inserts

Pip2 fused to HA epitope. There are 3 copies of the HA epitope (Ab 12CA5) inserted within the open reading frame at the Nco1 site (construct complements deletion strain).

Reporter gene

Promoter, TPI1 promoter?
splice,
PolyA

Comments - linearize with EcoRV to integrate into TRP1 locus

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 28.6.06

Constructed by Fedor Forafonov

Date constructed

PLASMID NAME

pLGF-Sba1

bacterial marker Amp

parent vector

pLG-Flag

bacterial plasmid

yeast marker LEU2

other relevant source constructs

eucaryotic replicon 2μ circle

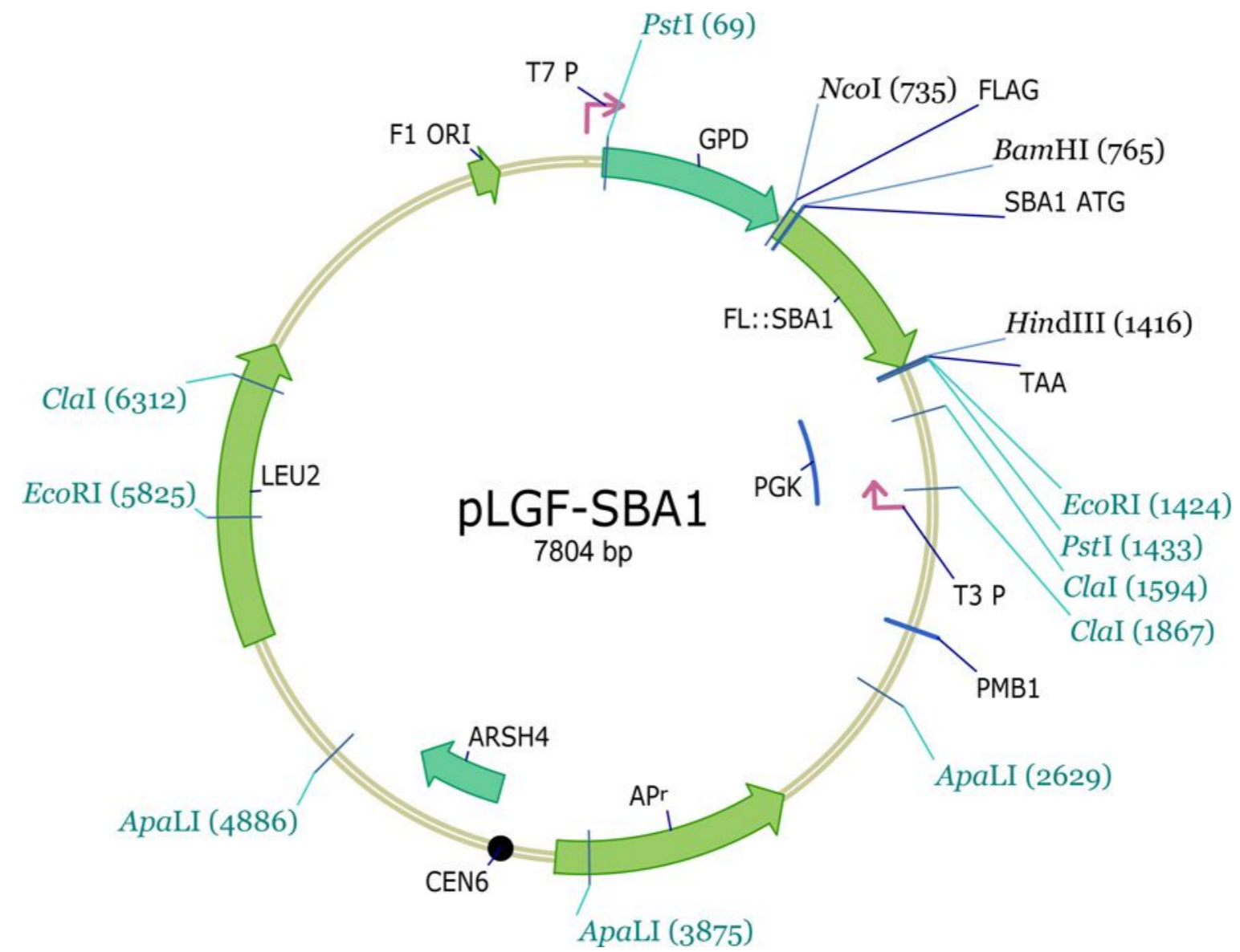
Inserts SBA1

Reporter gene

Promoter, splice, PolyA GPD

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 28.6.06

Constructed by Fedor Forafonov

Date constructed

PLASMID NAME

pLGF-sba1 Δ 130

bacterial marker Amp

parent vector

pLG-Flag

bacterial plasmid

yeast marker LEU2

other relevant source constructs

eucaryotic replicon 2μ circle

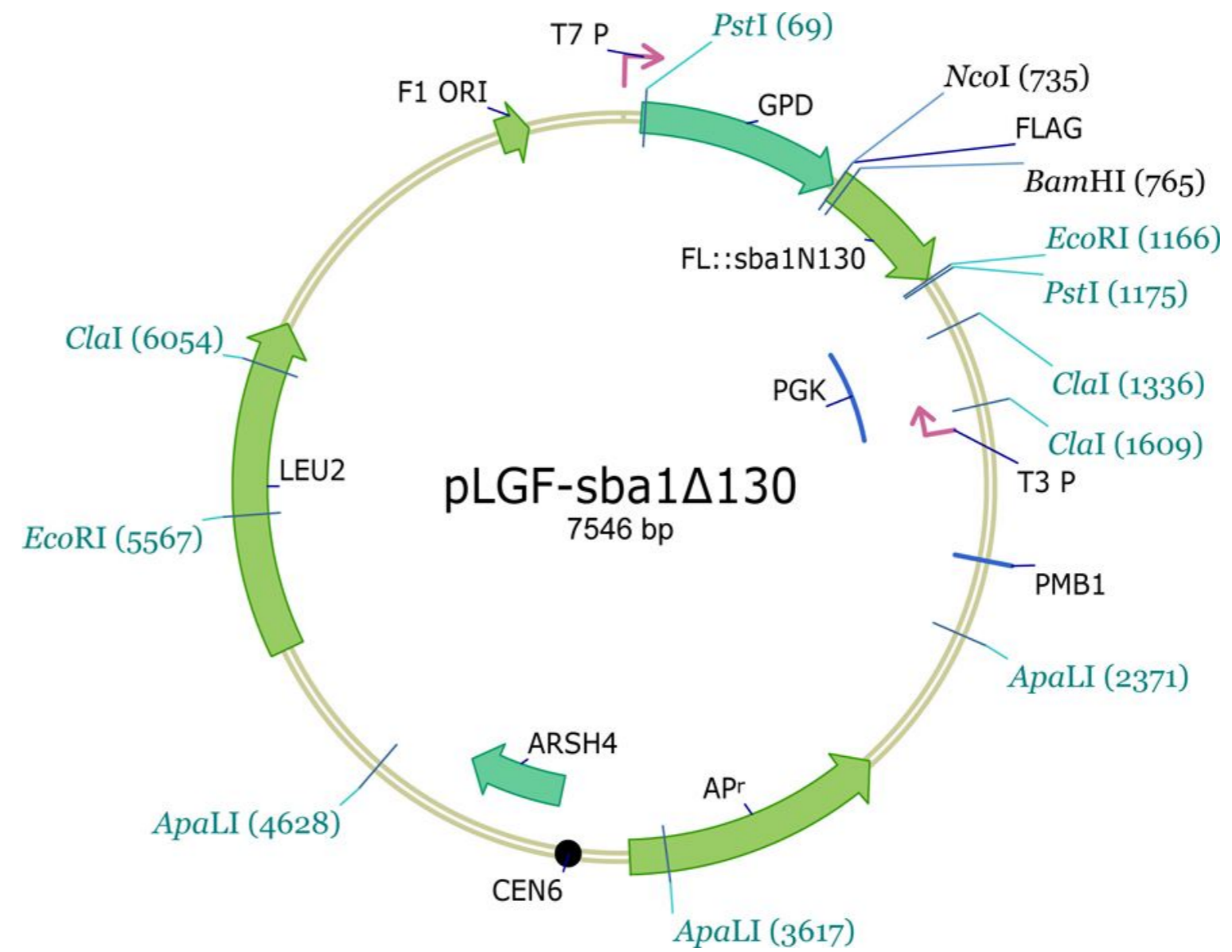
Inserts Sba1 Δ 130

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.6.06

Constructed by Fedor Forafonov

Date constructed

PLASMID NAME

pYFL-sba1V10S

<u>bacterial marker</u> Amp	<u>parent vector</u> pYFL/SBA1
<u>yeast marker</u> URA3	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> 2 μ circle	<u>other relevant source constructs</u> pYes2/Flag

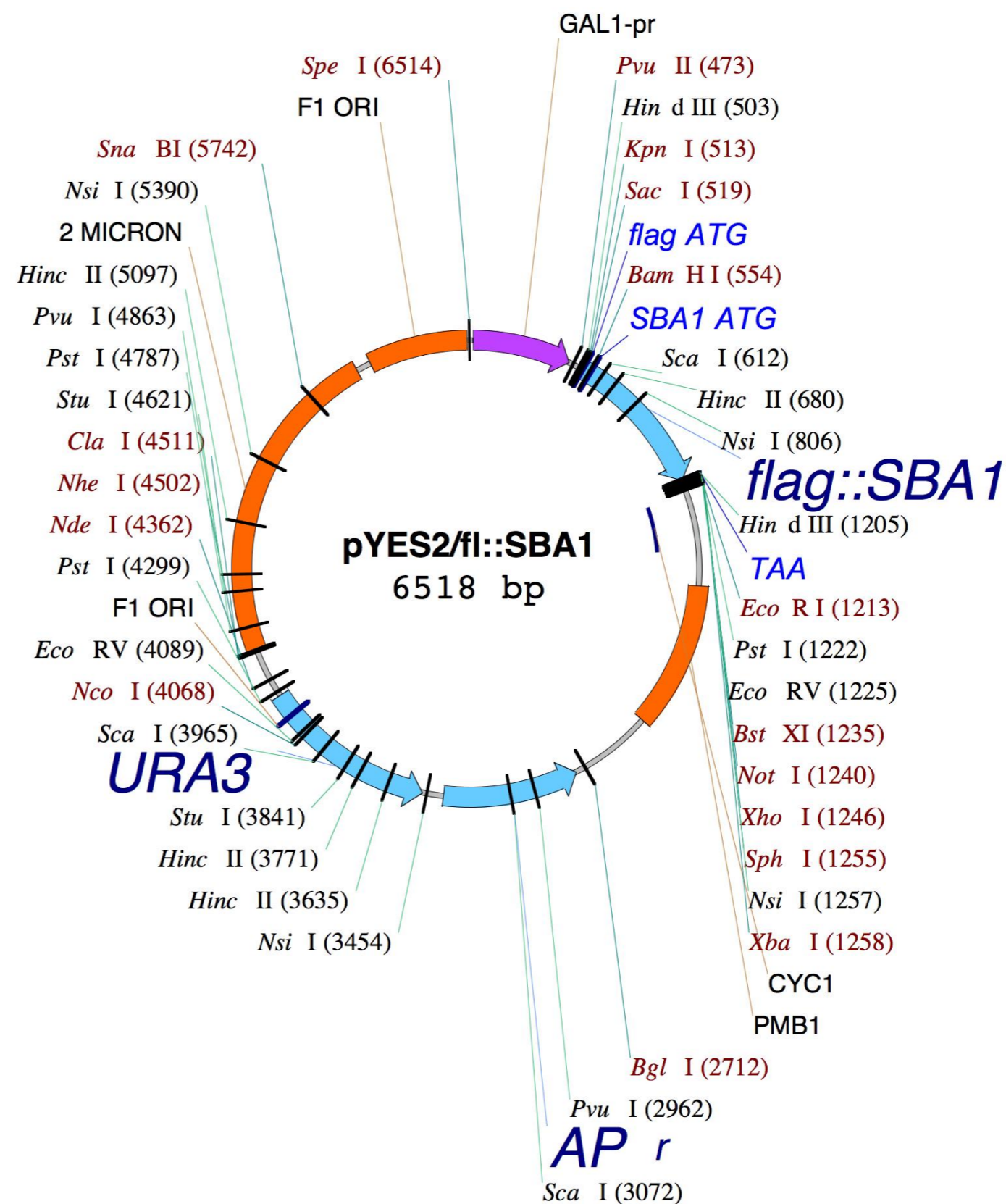
Inserts Flag tagged **V10S** mutant of yeast p23 (SBA1).

Reporter gene

Promoter, splice, PolyA Gal1

Comments **DNA from mini-prep**

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.6.06

Constructed by Fedor Forafonov

Date constructed

PLASMID NAME

pYFL-sba1W12A

bacterial marker Amp

parent vector

pYFL/SBA1

bacterial plasmid

yeast marker URA3

other relevant source constructs

pYes2/Flag

eucaryotic replicon 2 μ circle

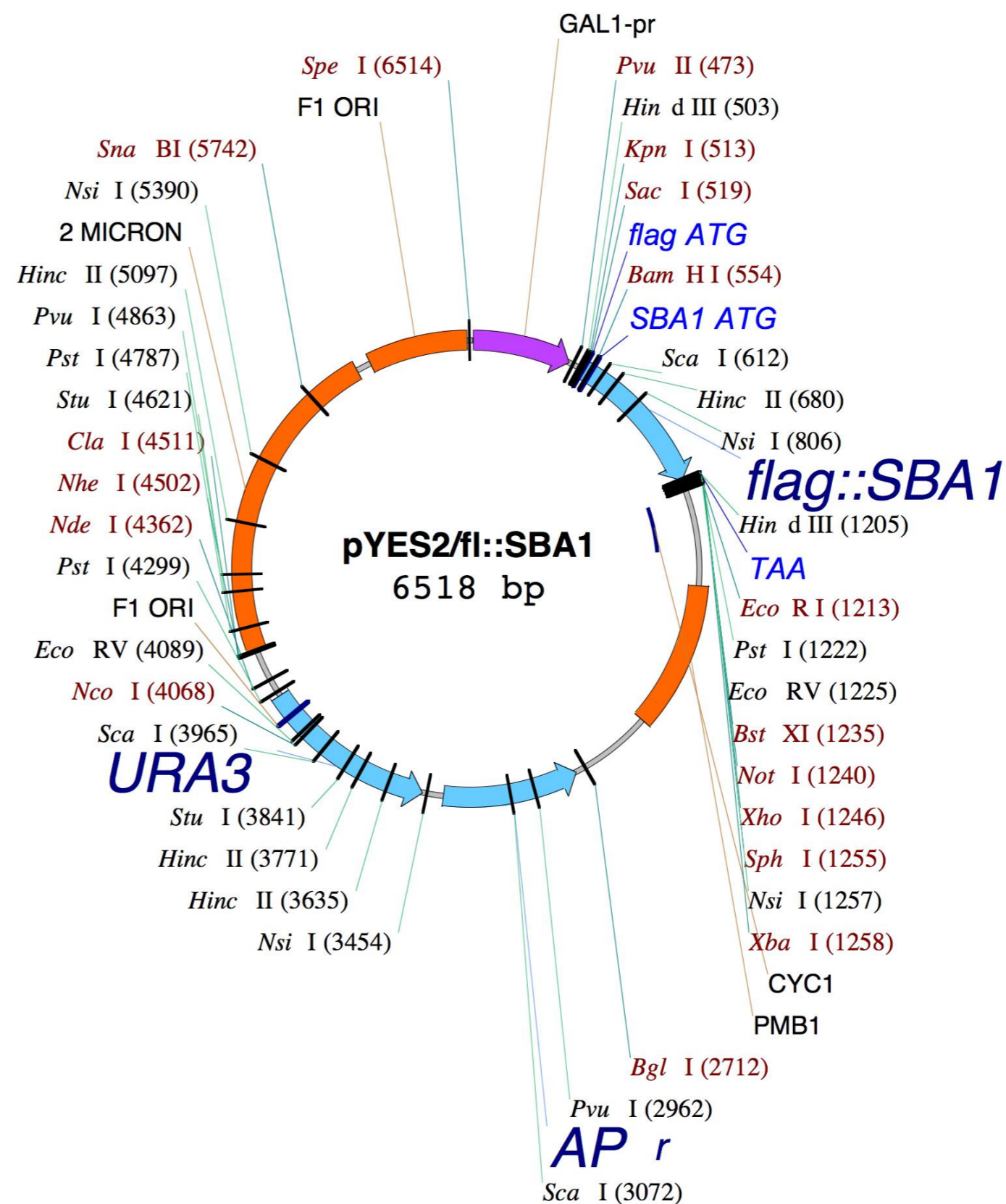
Inserts Flag tagged **W12A** mutant of yeast p23 (SBA1).

Reporter gene

Promoter, splice, PolyA Gal1

Comments **DNA from mini-prep**

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.6.06

Constructed by Fedor Forafonov

Date constructed

PLASMID NAME

pYFL-sba1A13S

<u>bacterial marker</u> Amp	<u>parent vector</u> pYFL/SBA1
<u>yeast marker</u> URA3	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> 2 μ circle	<u>other relevant source constructs</u> pYes2/Flag

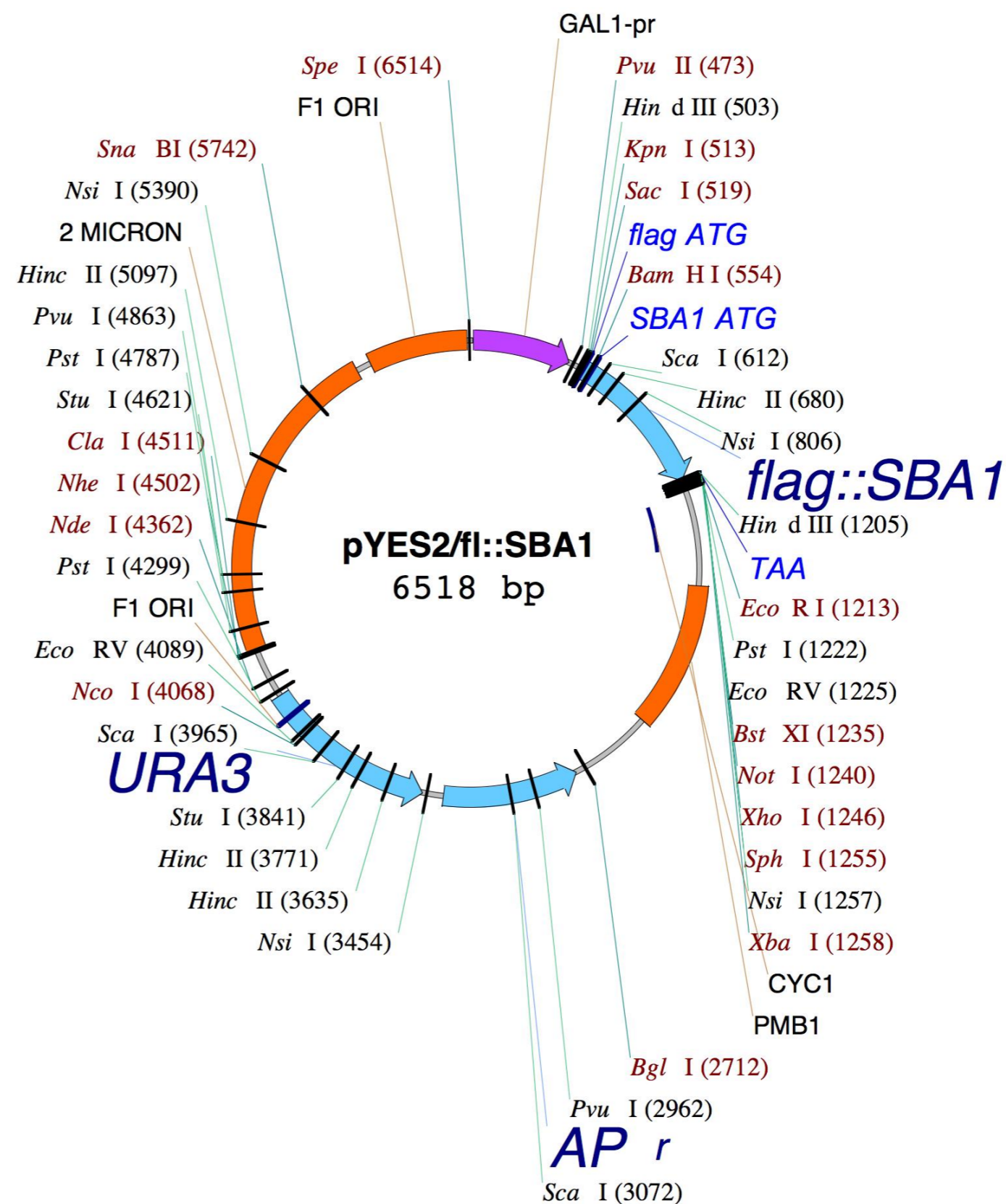
Inserts Flag tagged **A13S** mutant of yeast p23 (SBA1).

Reporter gene

Promoter, splice, PolyA Gal1

Comments **DNA from mini-prep**

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.6.06

Constructed by Fedor Forafonov

Date constructed

PLASMID NAME

pYFL-sba1Q14A

bacterial marker Amp

parent vector

pYFL/SBA1

bacterial plasmid

yeast marker URA3

other relevant source constructs

pYes2/Flag

eucaryotic replicon 2 μ circle

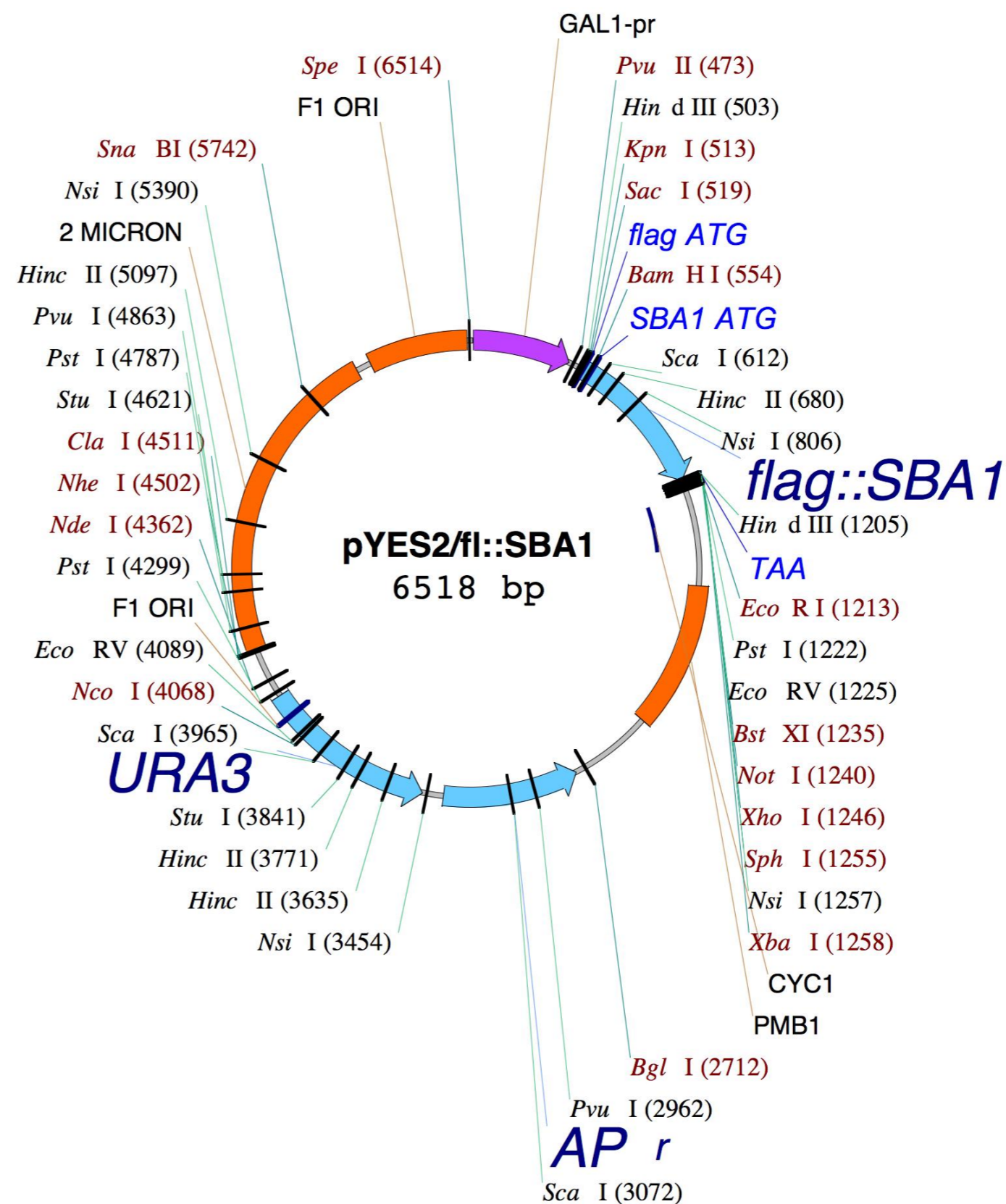
Inserts Flag tagged **Q14A** mutant of yeast p23 (SBA1).

Reporter gene

Promoter, splice, PolyA Gal1

Comments **DNA from mini-prep**

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.6.06

Constructed by Fedor Forafonov

Date constructed

PLASMID NAME

pYFL-sba1R15A

<u>bacterial marker</u> Amp	<u>parent vector</u> pYFL/SBA1
<u>yeast marker</u> URA3	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> 2 μ circle	<u>other relevant source constructs</u> pYes2/Flag

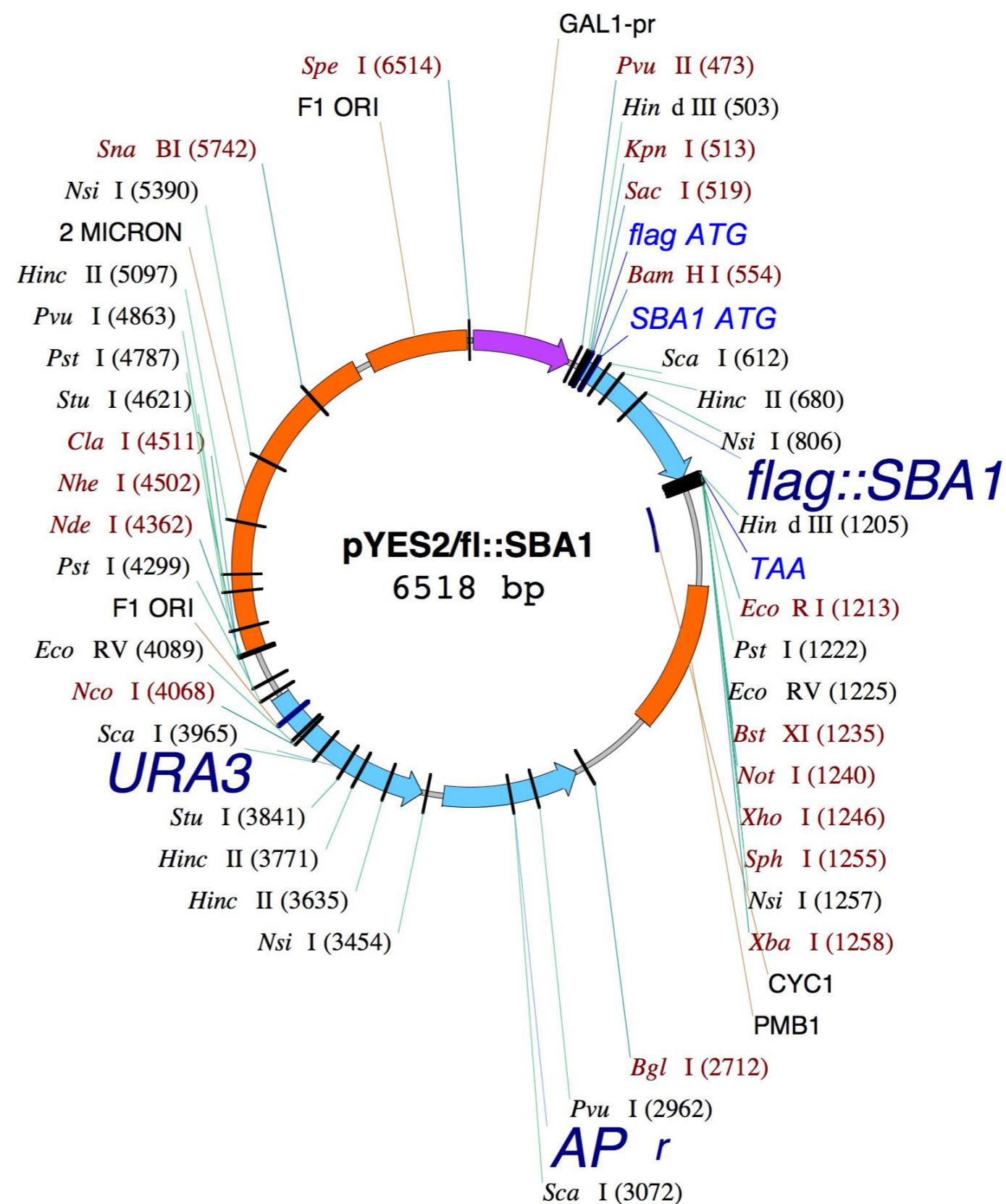
Inserts Flag tagged **R15A** mutant of yeast p23 (SBA1).

Reporter gene

Promoter, splice, PolyA Gal1

Comments DNA from mini-prep

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.6.06

Constructed by Fedor Forafonov

Date constructed

PLASMID NAME

pYFL-sba1W104A

bacterial marker Amp

parent vector

pYFL/SBA1

bacterial plasmid

yeast marker URA3

other relevant source constructs

pYes2/Flag

eucaryotic replicon 2 μ circle

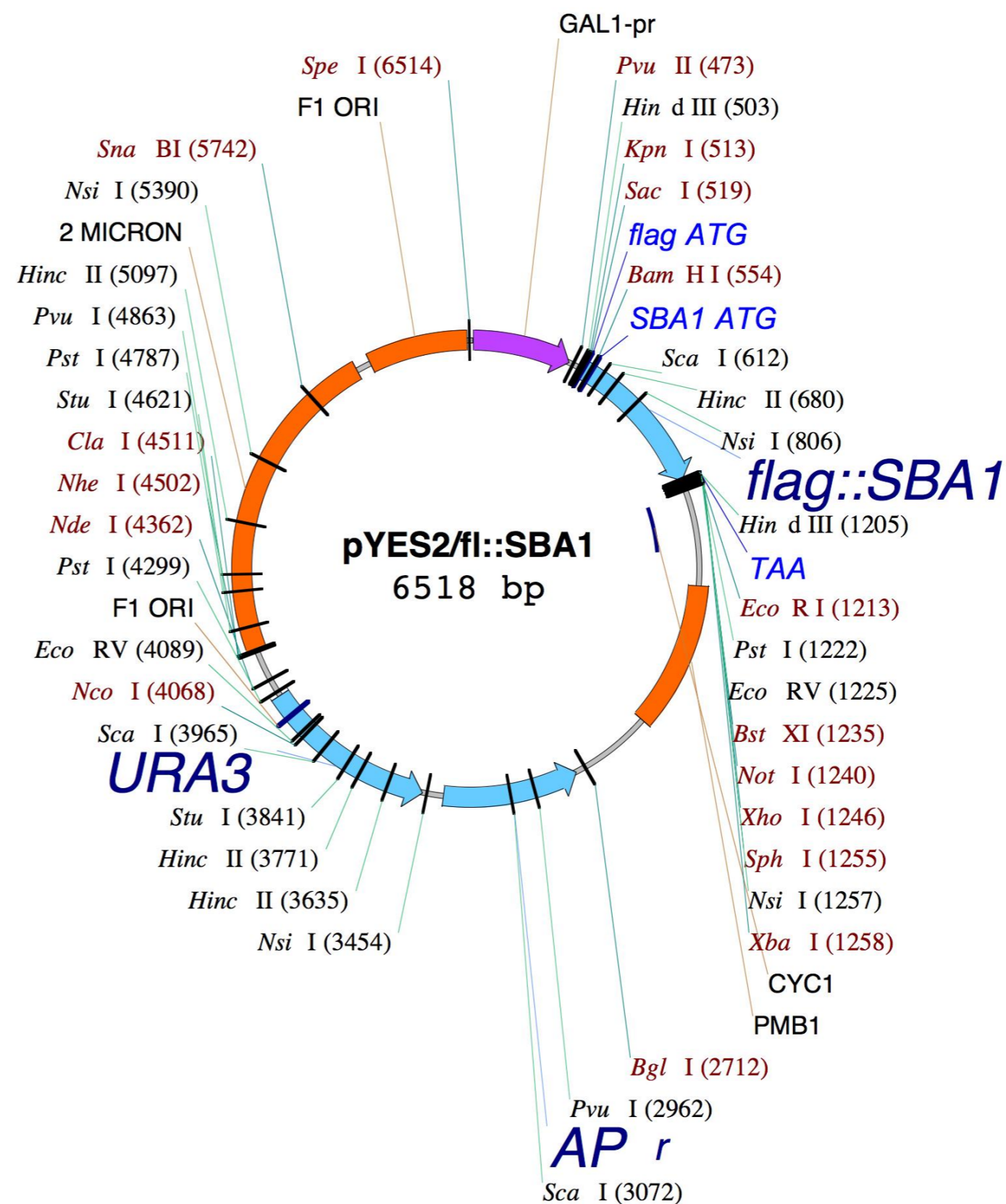
Inserts Flag tagged **W104A** mutant of yeast p23 (SBA1).

Reporter gene

Promoter, splice, PolyA Gal1

Comments **DNA from mini-prep**

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.6.06

Constructed by Fedor Forafonov

Date constructed

PLASMID NAME

pYFL-sba1R106A

<u>bacterial marker</u> Amp	<u>parent vector</u> pYFL/SBA1
<u>yeast marker</u> URA3	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> 2 μ circle	<u>other relevant source constructs</u> pYes2/Flag

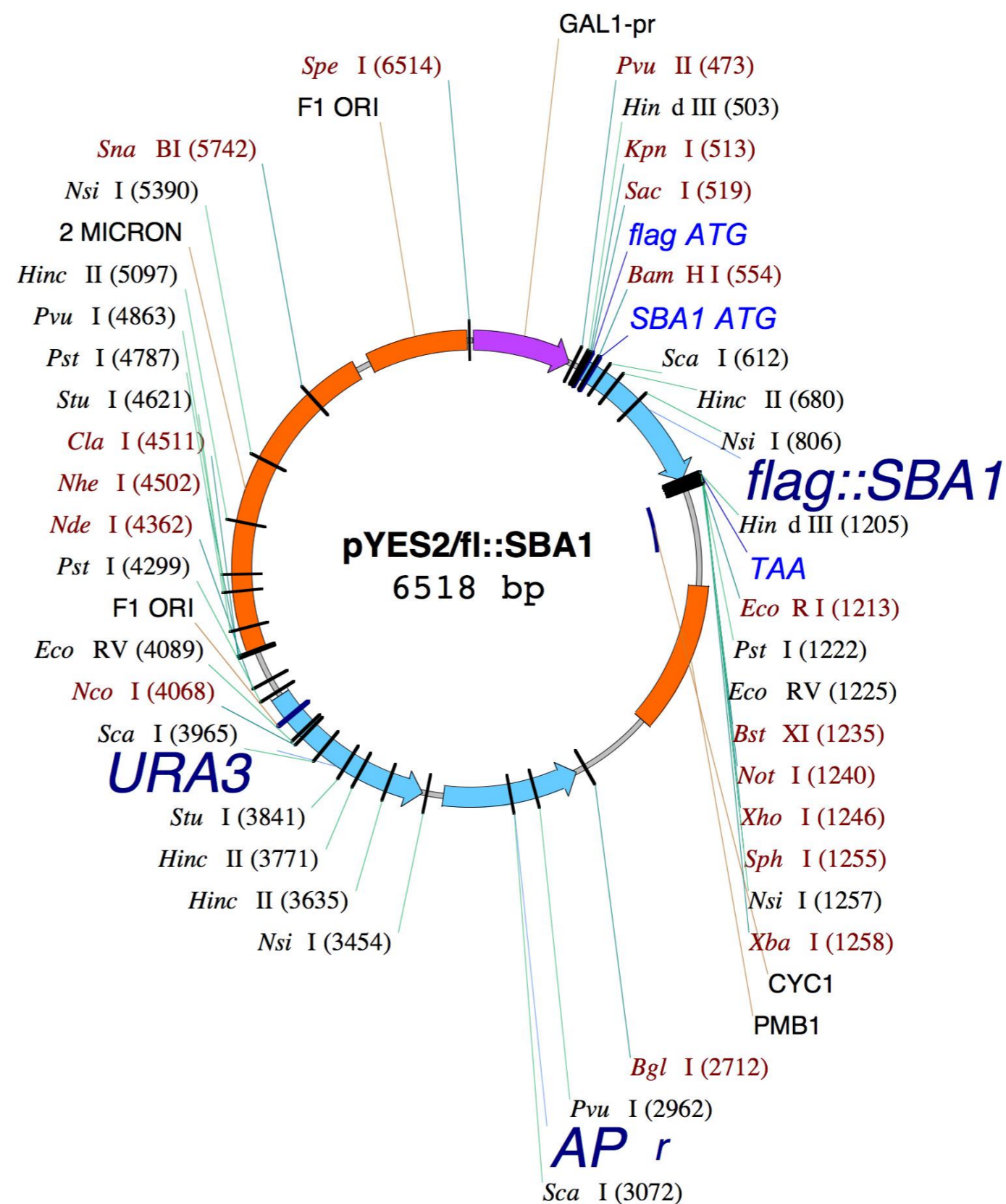
Inserts Flag tagged **R106A** mutant of yeast p23 (SBA1).

Reporter gene

Promoter, splice, PolyA Gal1

Comments **DNA from mini-prep**

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.6.06

Constructed by Fedor Forafonov

Date constructed

PLASMID NAME

pYFL-sba1L107S

bacterial marker Amp

parent vector

pYFL/SBA1

bacterial plasmid

yeast marker URA3

other relevant source constructs

pYes2/Flag

eucaryotic replicon 2 μ circle

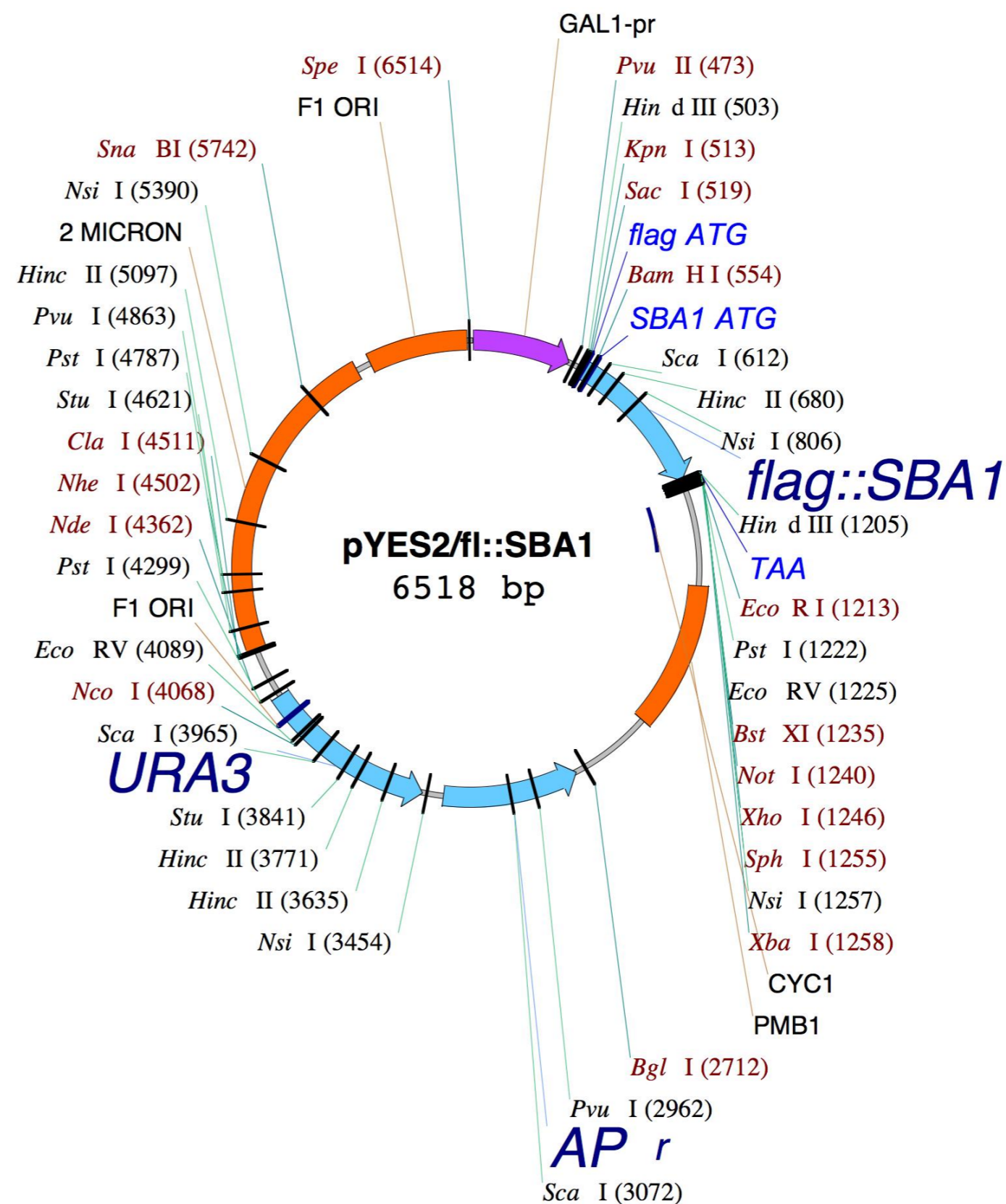
Inserts Flag tagged **L107S** mutant of yeast p23 (SBA1).

Reporter gene

Promoter, splice, PolyA Gal1

Comments **DNA from mini-prep**

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.6.06

Constructed by Fedor Forafonov

Date constructed

PLASMID NAME

pYFL-sba1T108A

<u>bacterial marker</u> Amp	<u>parent vector</u> pYFL/SBA1
<u>yeast marker</u> URA3	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> 2 μ circle	<u>other relevant source constructs</u> pYes2/Flag

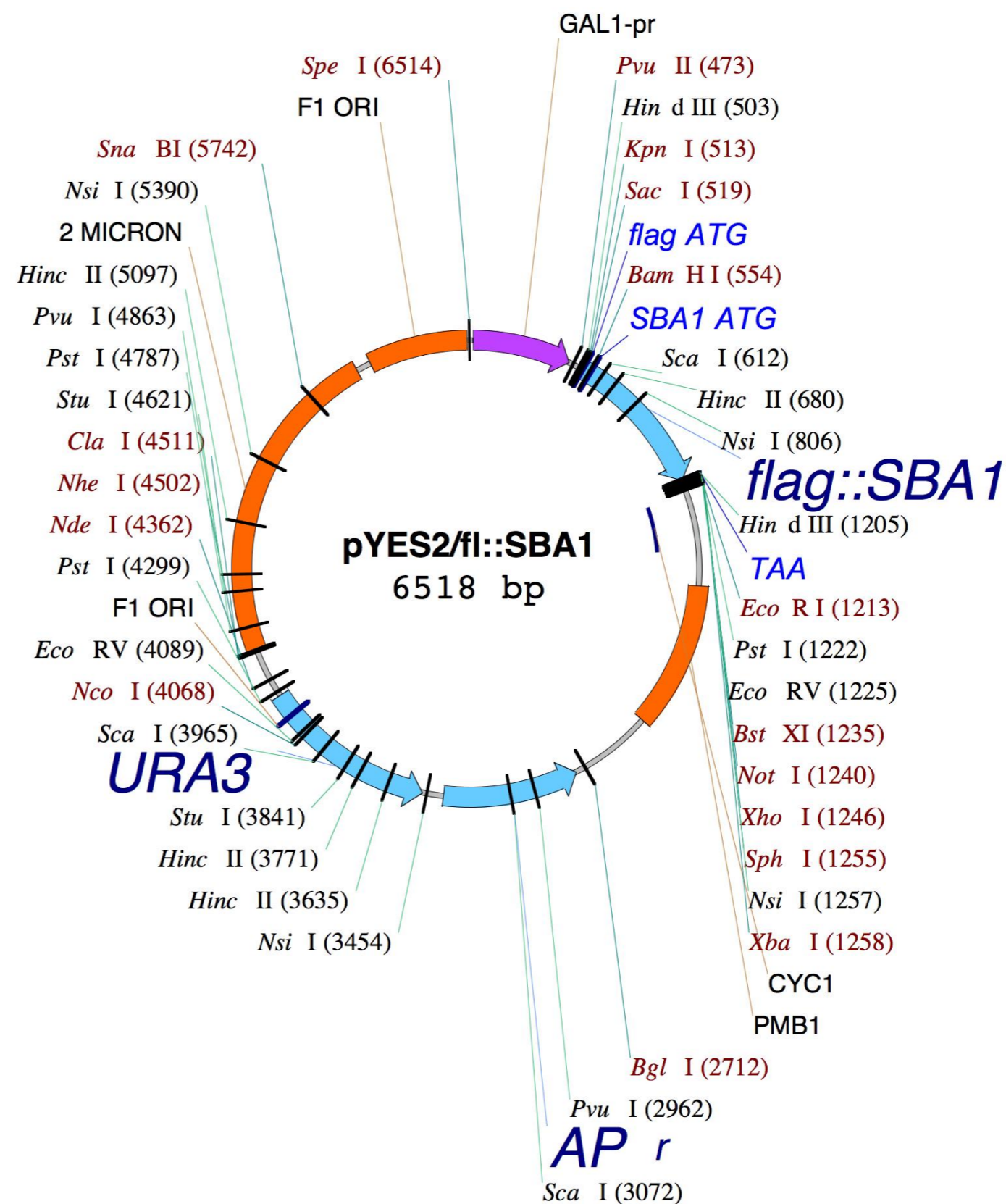
Inserts Flag tagged **T108A** mutant of yeast p23 (SBA1).

Reporter gene

Promoter, splice, PolyA Gal1

Comments **DNA from mini-prep**

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.6.06

Constructed by Fedor Forafonov

Date constructed

PLASMID NAME

pYFL-sba1K109A

bacterial marker Amp

parent vector

pYFL/SBA1

bacterial plasmid

yeast marker URA3

other relevant source constructs

pYes2/Flag

eucaryotic replicon 2 μ circle

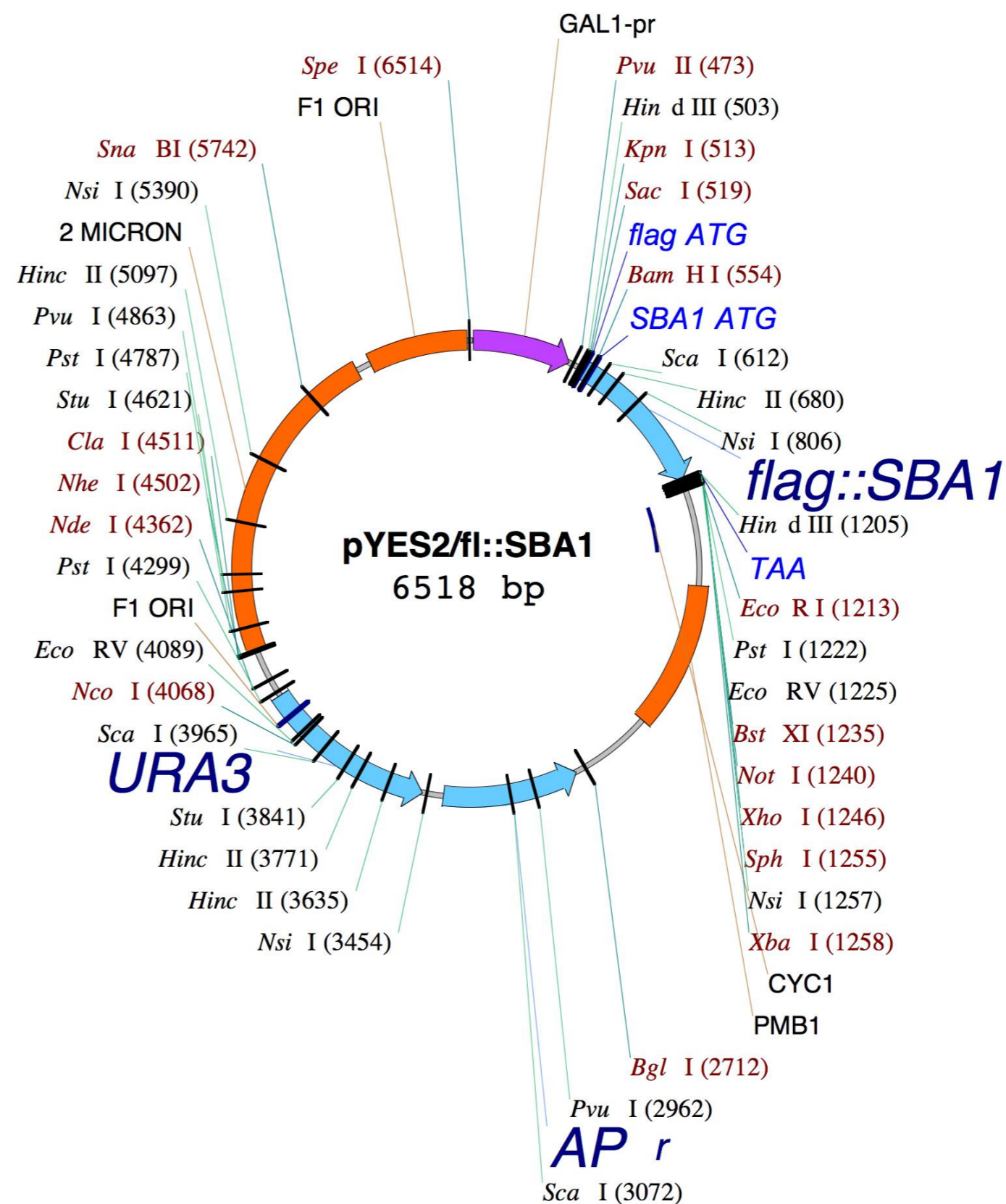
Inserts Flag tagged **K109A** mutant of yeast p23 (SBA1).

Reporter gene

Promoter, splice, PolyA Gal1

Comments **DNA from mini-prep**

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.6.06

Constructed by Fedor Forafonov

Date constructed

PLASMID NAME

pYFL-sba1E110A

<u>bacterial marker</u> Amp	<u>parent vector</u> pYFL/SBA1
<u>yeast marker</u> URA3	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> 2 μ circle	<u>other relevant source constructs</u> pYes2/Flag

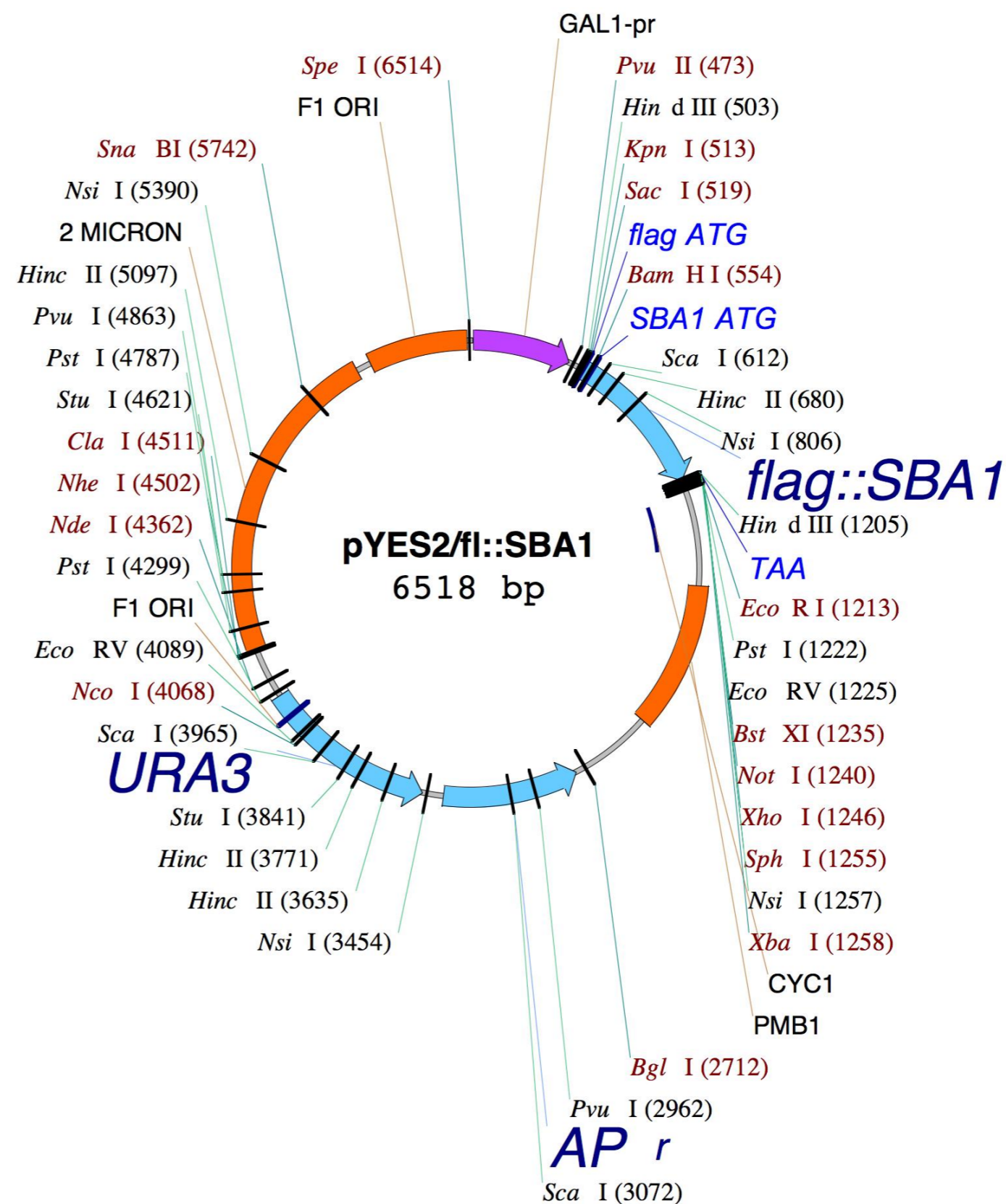
Inserts Flag tagged **E110A** mutant of yeast p23 (SBA1).

Reporter gene

Promoter, splice, PolyA Gal1

Comments **DNA from mini-prep**

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.6.06

Constructed by Fedor Forafonov

Date constructed

PLASMID NAME

pYFL-sba1K113A

<u>bacterial marker</u> Amp	<u>parent vector</u> pYFL/SBA1
<u>yeast marker</u> URA3	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> 2 μ circle	<u>other relevant source constructs</u> pYes2/Flag

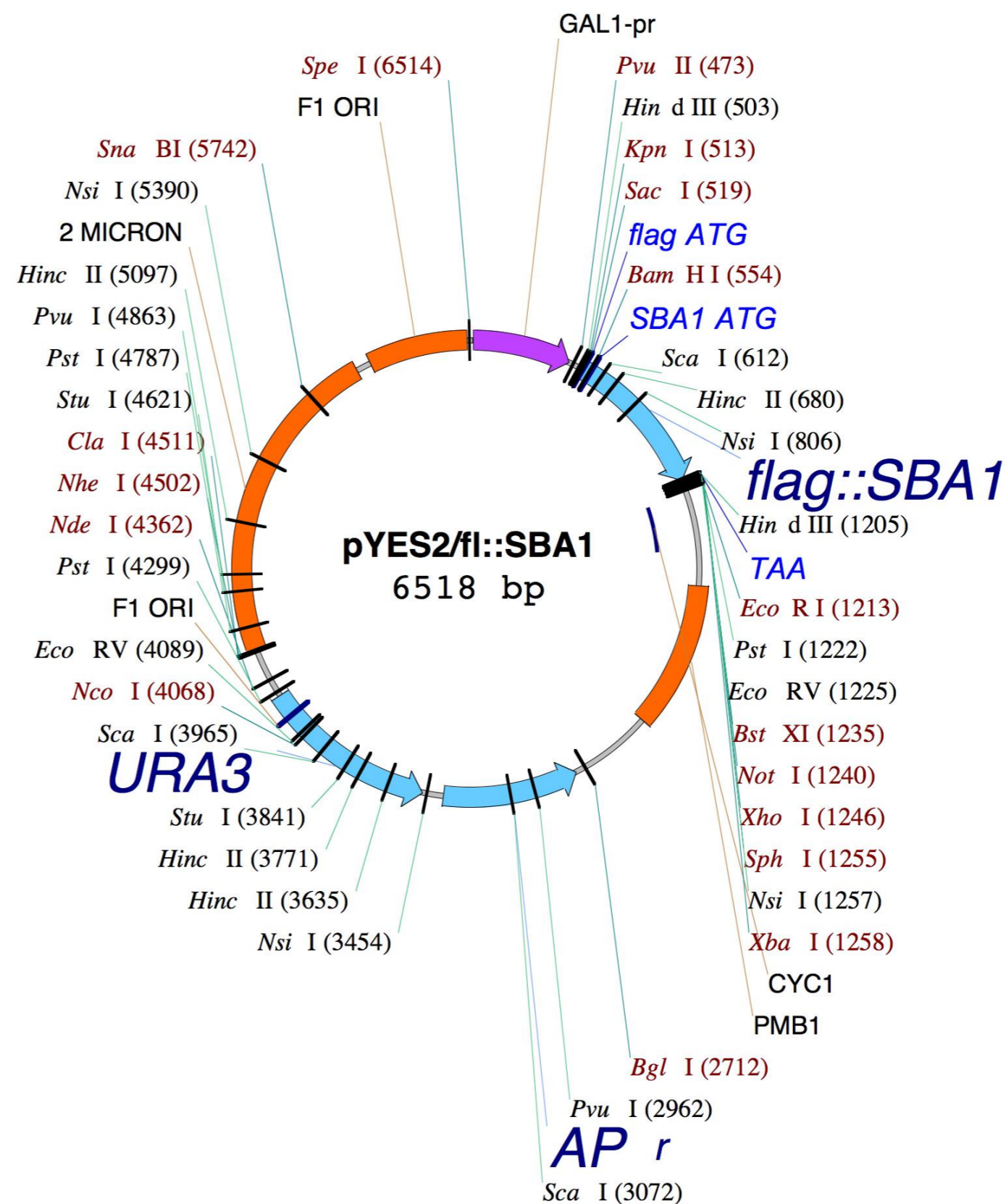
Inserts Flag tagged **K113A** mutant of yeast p23 (SBA1).

Reporter gene

Promoter, splice, PolyA Gal1

Comments **DNA from mini-prep**

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.6.06

Constructed by Fedor Forafonov

Date constructed

PLASMID NAME

pYFL-sba1Y116A

<u>bacterial marker</u> Amp	<u>parent vector</u> pYFL/SBA1
<u>yeast marker</u> URA3	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> 2 μ circle	<u>other relevant source constructs</u> pYes2/Flag

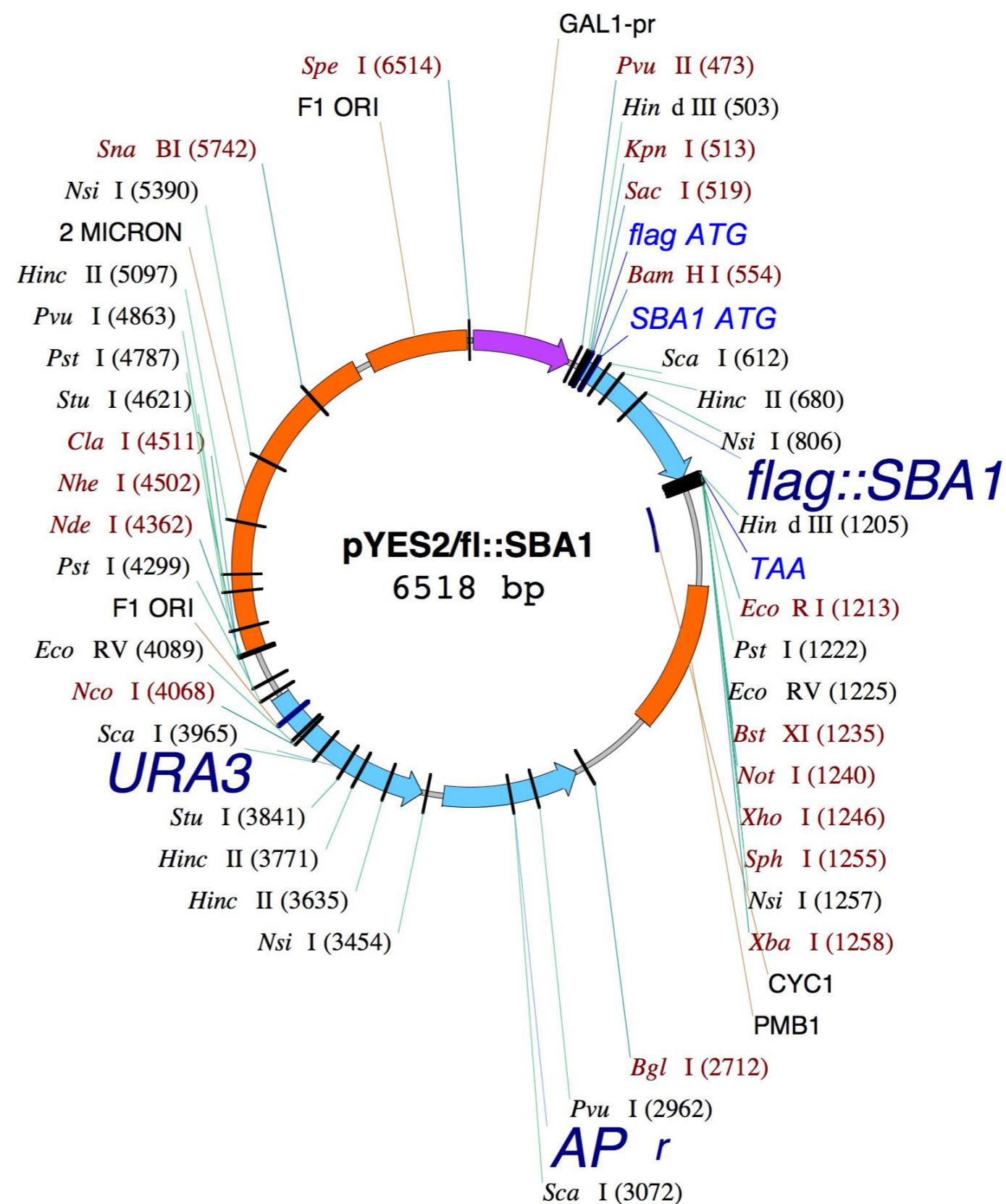
Inserts Flag tagged **Y116A** mutant of yeast p23 (SBA1).

Reporter gene

Promoter, splice, PolyA Gal1

Comments **DNA from mini-prep**

Reference



Construct number
Constructed by Clontech

Date entered 5.7.06
Date constructed

PLASMID NAME

pEYFP-Mito

<u>bacterial marker</u> Kan	<u>parent vector</u> pEXFP
<u>vertebrate marker</u> Neo (G418)	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

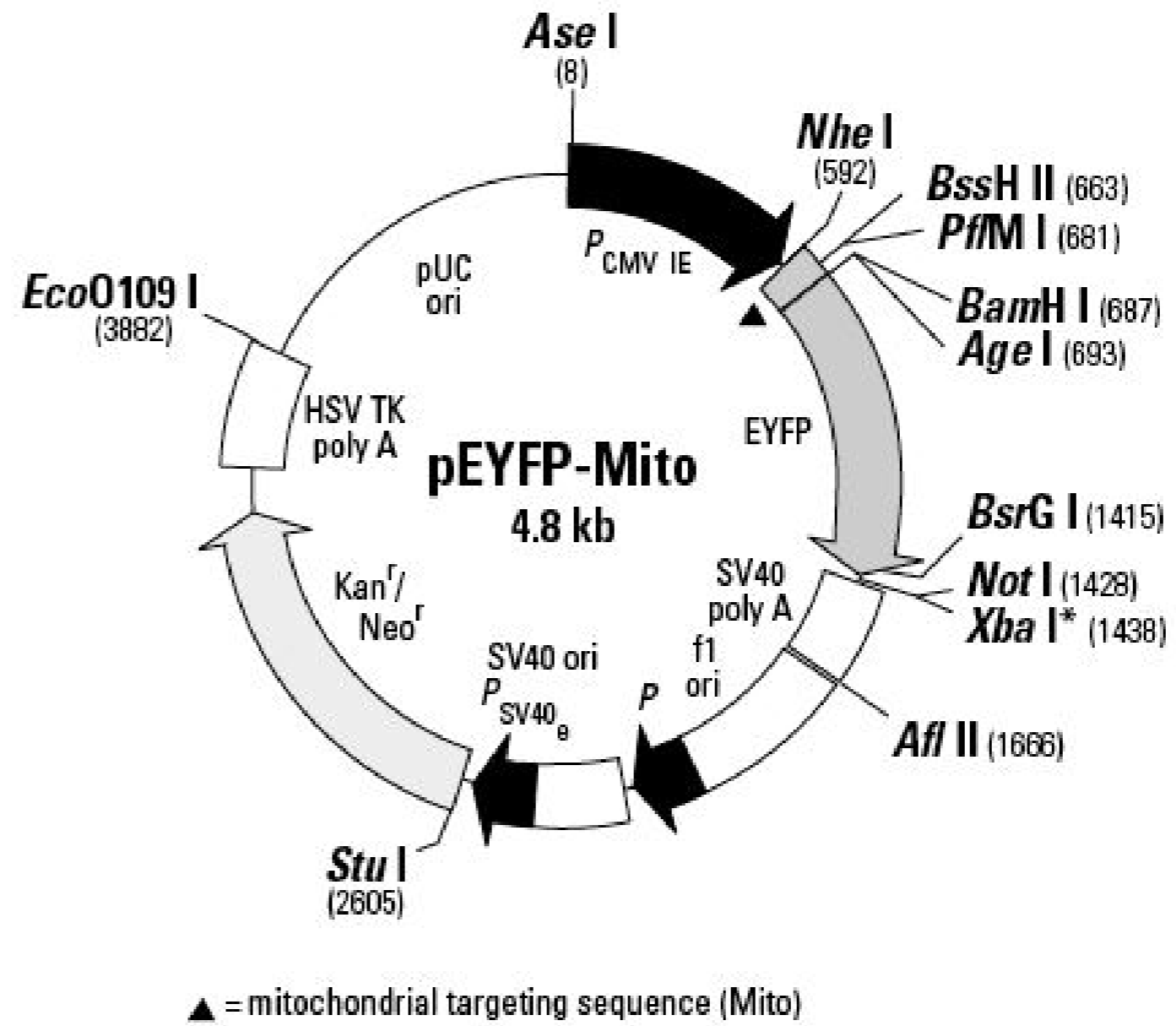
Inserts YFP fused to mitochondrial targeting signal

Reporter gene

Promoter, splice, PolyA CMV

Comments

Reference



Construct number

1945

Date entered

12.7.06

Constructed by

Date constructed

PLASMID NAME

RFP-Mito

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

1947

Date entered

8.8.06

Constructed by

Joe Thornton's lab

Date constructed

PLASMID NAME

pcDNA3/OctER

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA3

bacterial plasmid

pUC

other relevant source constructs

Inserts full-length Octopus vulgaris estrogen receptor

Reporter gene

Promoter,
splice,
PolyA

- CMV promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments

- Genbank entry for mRNA is DQ533956
- expression vector contains ORF in BamHI-XhoI sites
- A after AUG is changed to G (and therefore I to V) (according to Didier's understanding of indications from the Thornton lab)

Reference Keay et al. (2006) Endocrinol. 147, 3861

DIDIER PICARD LAB, University of Geneva

Construct number

1948

Date entered

22.8.06

Constructed by

Pierre-André Briand

Date constructed

08.2006

PLASMID NAME

pcDNA/HA-p23

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA3.1(+)

bacterial plasmid

pUC

other relevant source constructs

pEYFP-p23

Inserts HA tag fused to full-length human p23

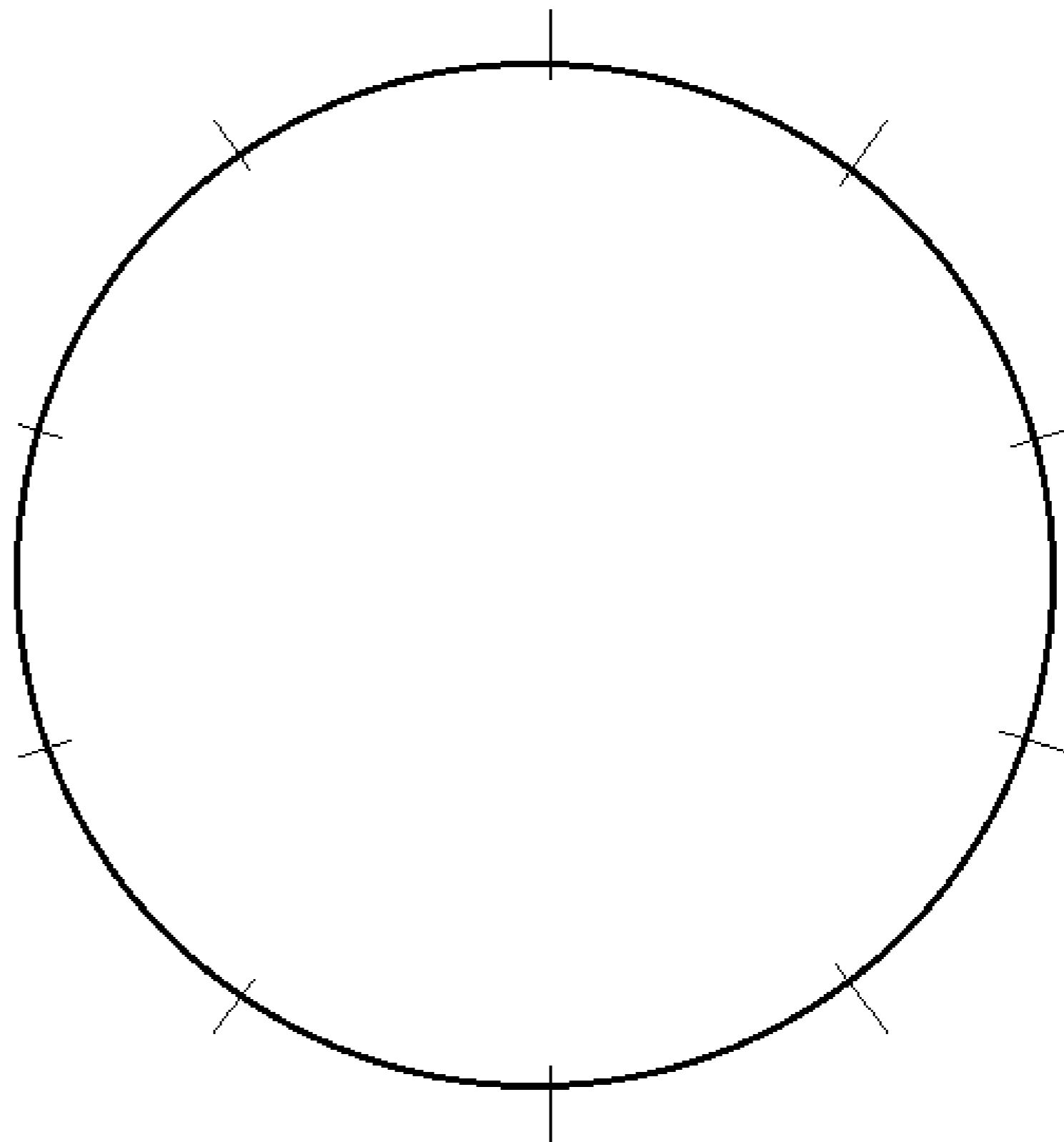
Reporter gene

Promoter,
splice,
PolyA

- CMV promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments - tag is MQDLPGNDNSTAG, **not** 12CA5 epitope
- sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

1949

Date entered

22.8.06

Constructed by

Pierre-André Briand

Date constructed

08.2006

PLASMID NAME

pcDNA/HA-hAARSD1L

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA3/HA-p23

bacterial plasmid

pUC

other relevant source constructs

IMAGE:2823004

Inserts

HA tag fused to human AARSD1 ("alanyl-tRNA synthetase domain containing 1"). AARSD1 contains tsp23. Relative to the AARSD1 ENSEMBL entry ENSG00000108825, the long form AARSD1L contains the additional N-terminal peptide MARQHARTLWYDRPRYVF that is present in some transcripts. Entire length of AARSD1L without HA tag is 543 aa.

Reporter gene

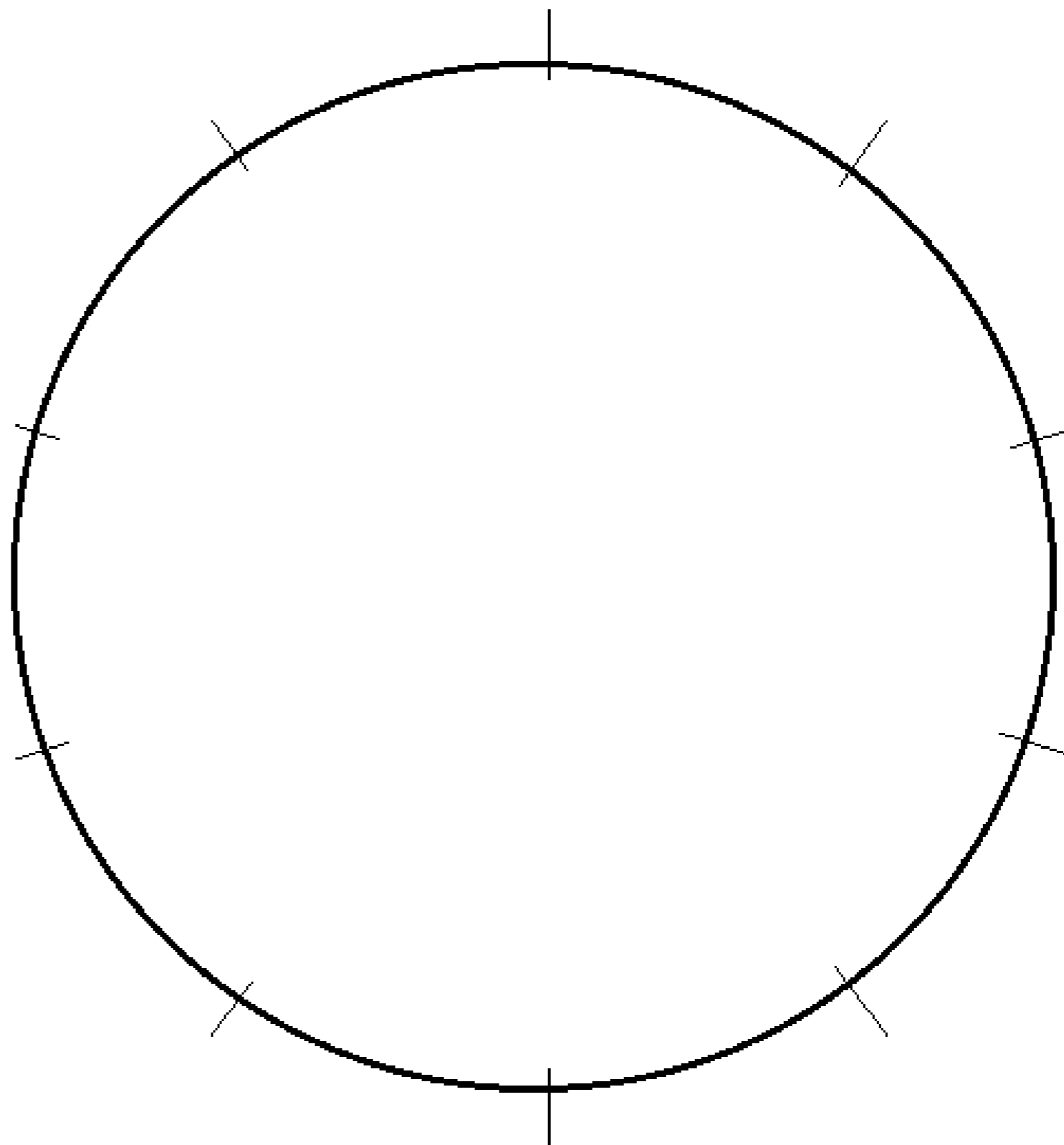
Promoter,
splice,
PolyA

- CMV promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments

- tag is MQDLPGNDNSTAG, **not** 12CA5 epitope
- sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 1950

Date entered 22.8.06

Constructed by Pierre-André Briand

Date constructed 08.2006

PLASMID NAME

pcDNA/HA-hAARSD1S

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA3/HA-p23

bacterial plasmid

pUC

other relevant source constructs

IMAGE:2823004

Inserts HA tag fused to human AARSD1 ("alanine-tRNA synthetase domain containing 1"). AARSD1 contains tsp23. Corresponds to the AARSD1 ENSEMBL entry ENSG00000108825 of 525 aa (starts with the sequence MEFC...). Since there is a hypothetical longer form, this one is referred to as the short one.

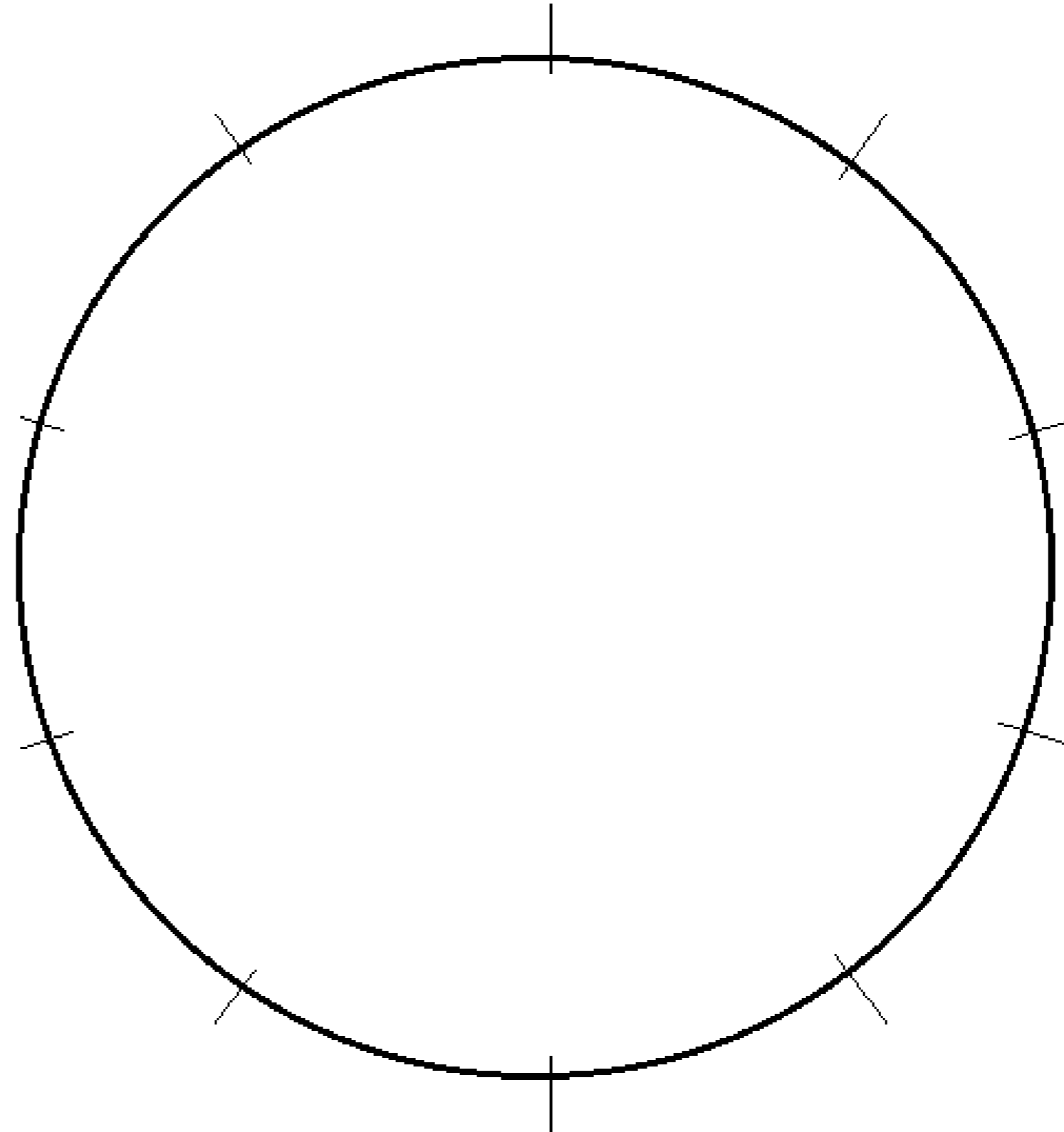
Reporter gene

Promoter,
splice,
PolyA

- CMV promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments - tag is MQDLPGNDNSTAG, **not** 12CA5 epitope
- sequence available

Reference



Construct number

1951

Date entered

23.8.06

Constructed by

Rosenfeld lab

Date constructed

PLASMID NAME

TAB2 NESmt

bacterial marker Amp

parent vector

?

bacterial plasmid

?

other relevant source constructs

Inserts

TAB2 with mutant NES (sequence 547-LQRELEI is mutated to AQREAEA)

Reporter gene

Promoter,
splice,
PolyA

Comments - mammalian expression vector

Reference Baek et al. (2002) Cell 110, 55

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 1.9.06

Constructed by sophie carascossa

Date constructed 06.2006

PLASMID NAME

bacterial marker Amp

yeast marker TRP1

eukaryotic replicon 2 μ circle

parent vector

pG-1

bacterial plasmid

other relevant source constructs

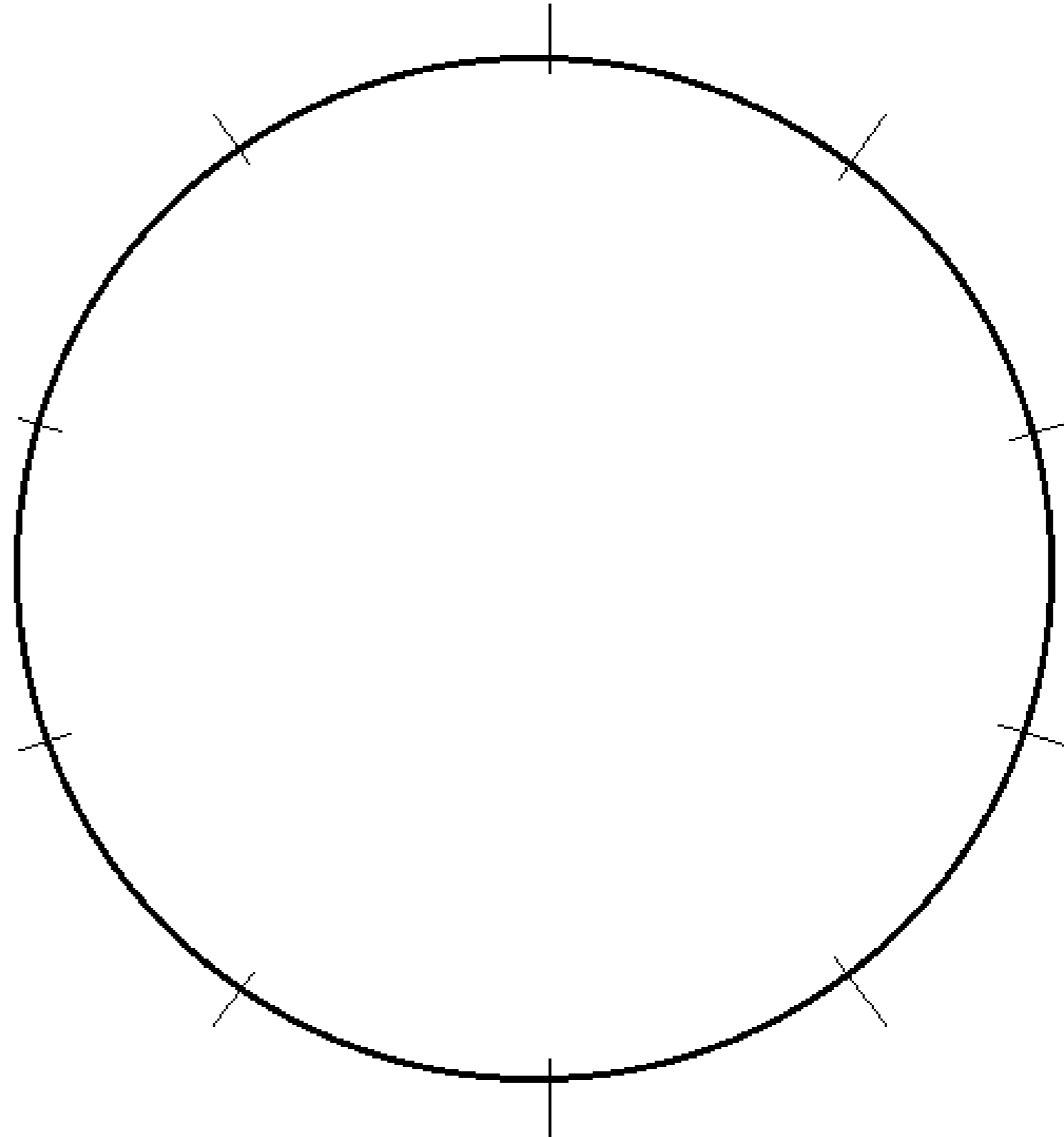
Inserts mGPR30 ORF amplified from pCDNA3-mGPR30 and inserted in pG1 at BamHI site

Reporter gene

Promoter, splice, PolyA GPD

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 1.9.06

Constructed by sophie carascossa

Date constructed 06.2006

PLASMID NAME

p2HG-mGPR30

bacterial marker Amp

yeast marker HIS3

eukaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

other relevant source constructs

pG1-mGPR30

Inserts cut mGPR30 from pG1-mGPR30 with BamHI and cloned into p2HG at BamHI site

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 1.9.06

Constructed by sophie carascossa

Date constructed 06.2006

PLASMID NAME

pESCTRIP-mGPR30-flag

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pESCTRIP

bacterial plasmid

other relevant source constructs

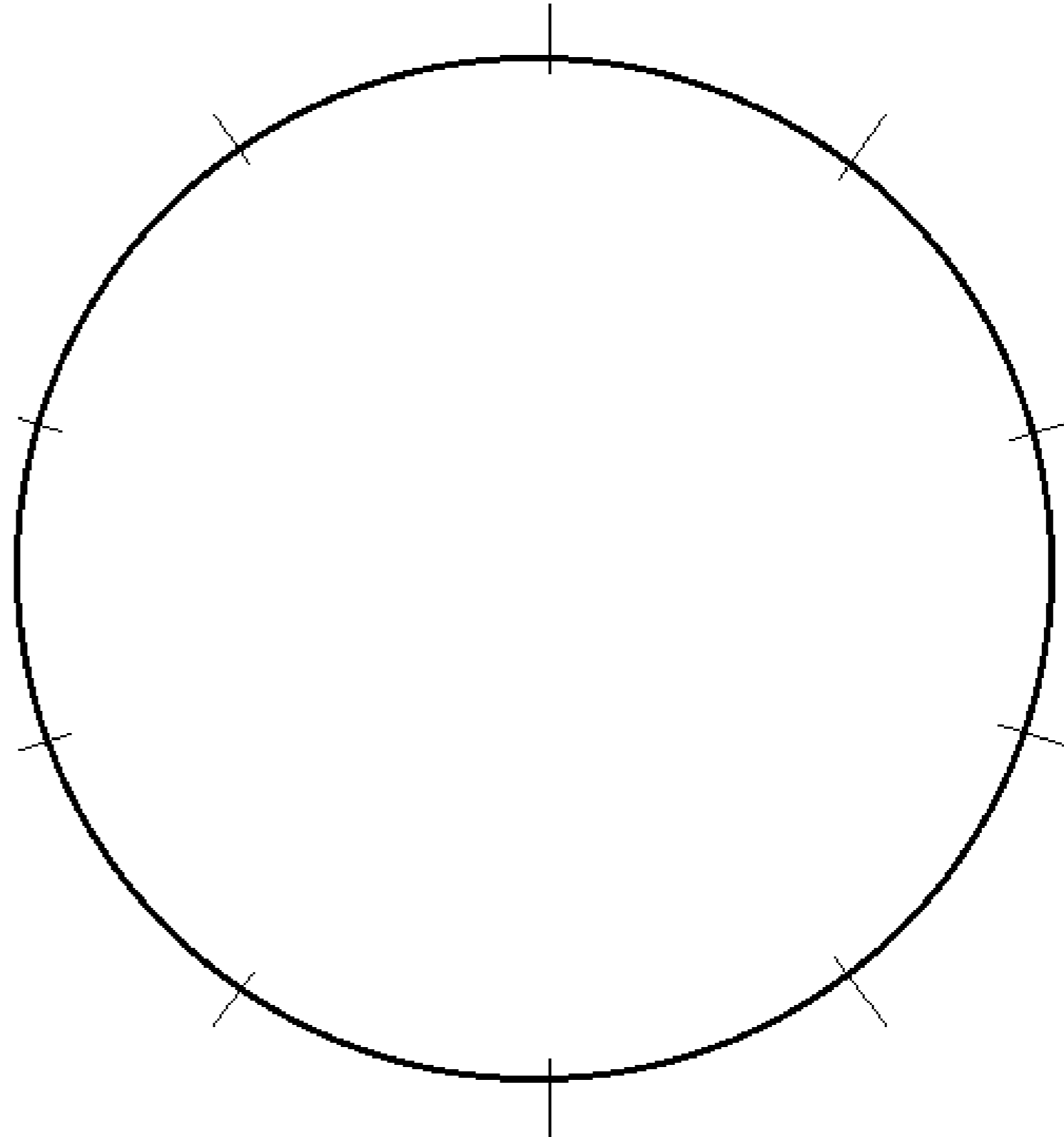
Inserts mGPR30 ORF amplified from pCDNA-mGPR30 with primers 5'mGPR30 Eco and 3'mGPR30 Cla, which removes the stop codon, and inserted into pESCTRIP at EcoRI/ClaI sites, creating a flag tag Cter fusion.

Reporter gene

Promoter, GAL1 and GAL10
splice,
PolyA

Comments sequencing shows mGPR30 in frame with flag

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 1956

Date entered 1.9.06

Constructed by sophie carascossa

Date constructed 08.2006

PLASMID NAME

pYes-GST-MNAR(1-189)

bacterial marker Amp

URA3

2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

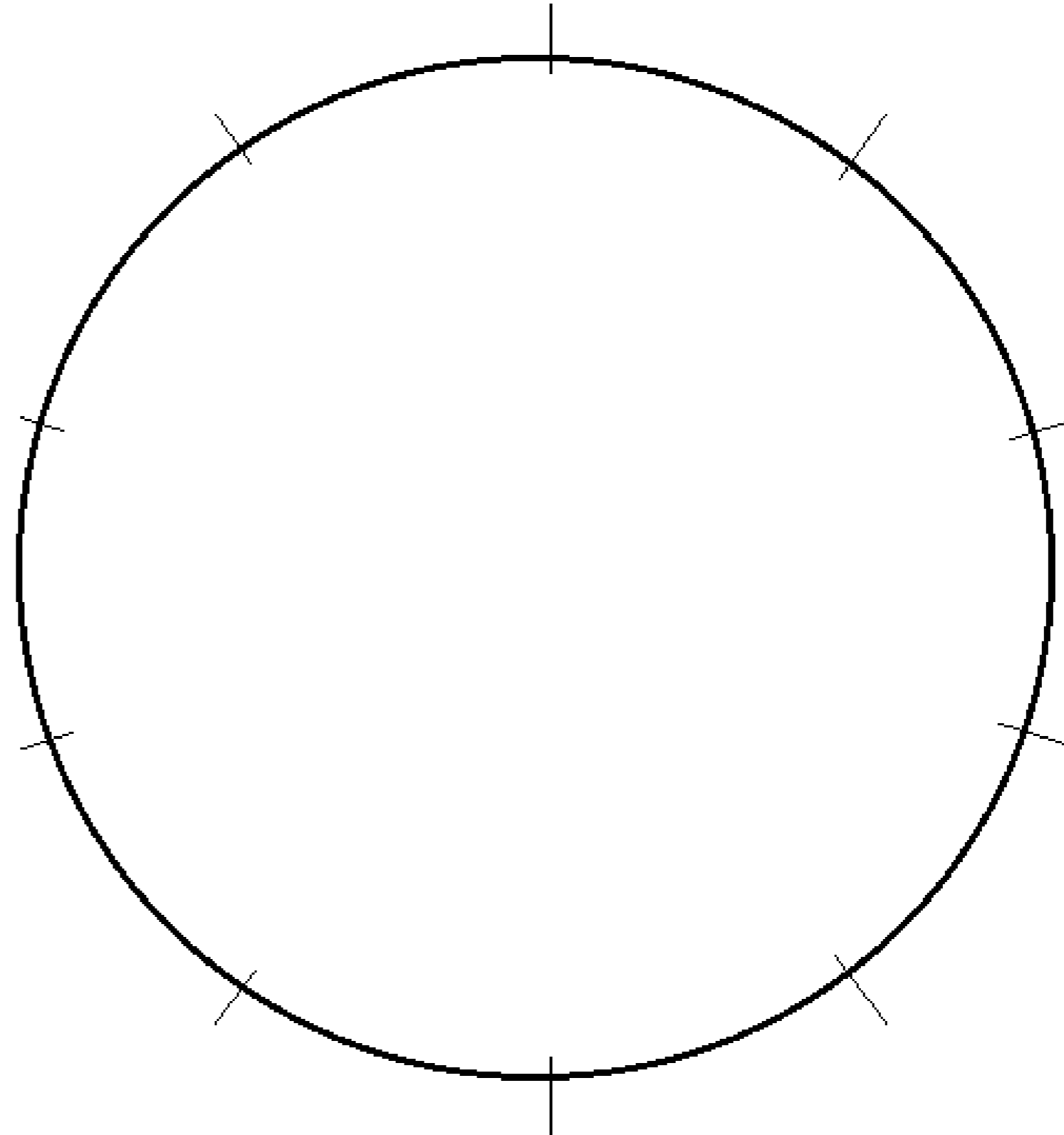
Inserts MNAR (aa 1-189) amplified from p2HG/MNAR Δ C and inserted into pYesGST at BamHI site, creating a GST-MNAR(1-189) fusion protein.

Reporter gene

Promoter, GAL1
splice,
PolyA

Comments sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 1.9.06

Constructed by sophie carascossa

Date constructed 07.2006

PLASMID NAME

p2HG-flag-MNAR(1-189)

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

p2HG

bacterial plasmid

other relevant source constructs

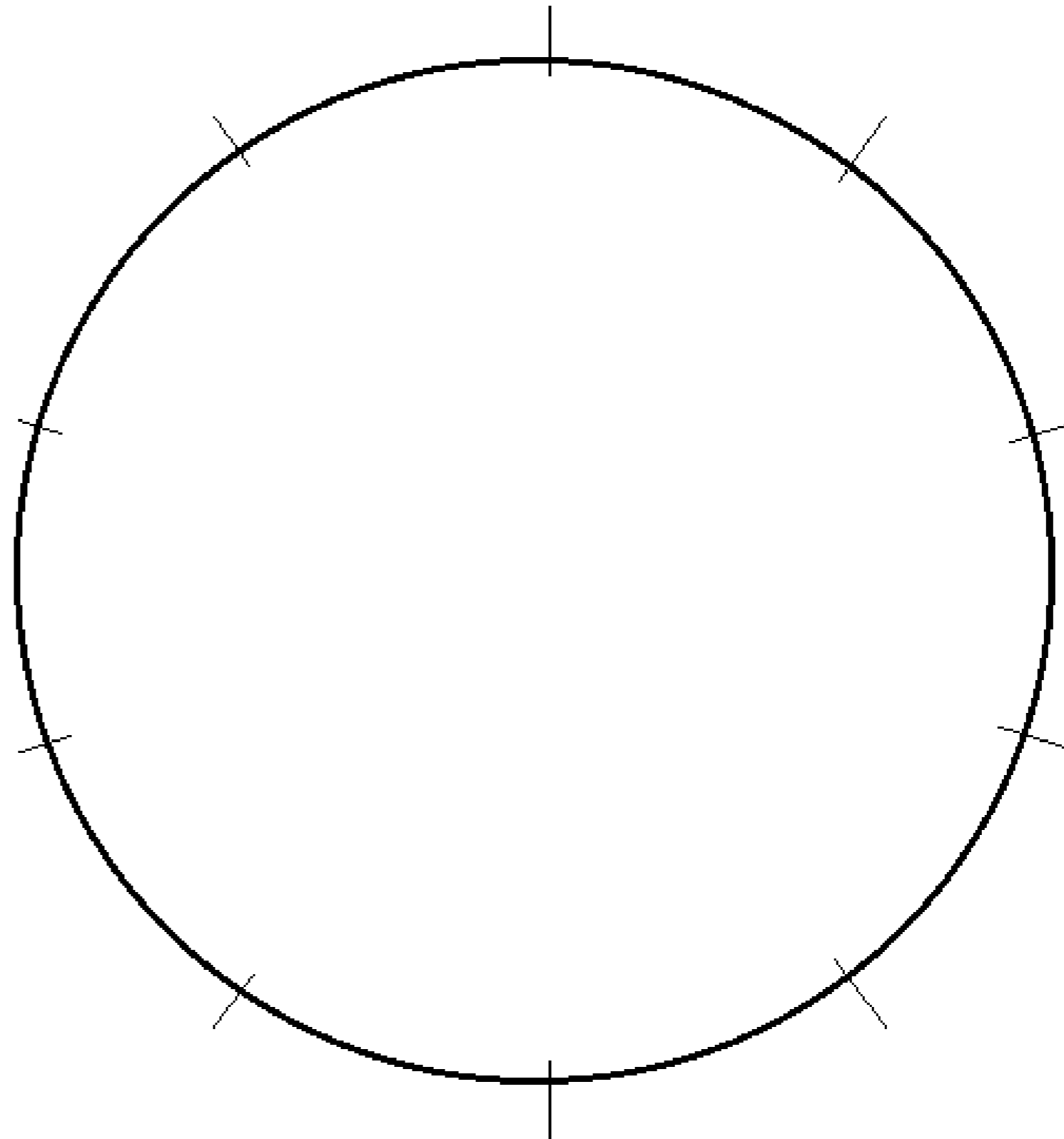
Inserts Flag-MNAR(1-189) amplified from p2HG-flag-MNAR Δ c with primers FFlag Bam and RMNAR189 Bam, and cloned into p2HG at BamHI site.

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 1.9.06

Constructed by sophie carascossa

Date constructed

PLASMID NAME

pYes-flag-mGPR30

bacterial marker Amp

URA3

2 μ circle

parent vector

pYesFLAG

bacterial plasmid

other relevant source constructs

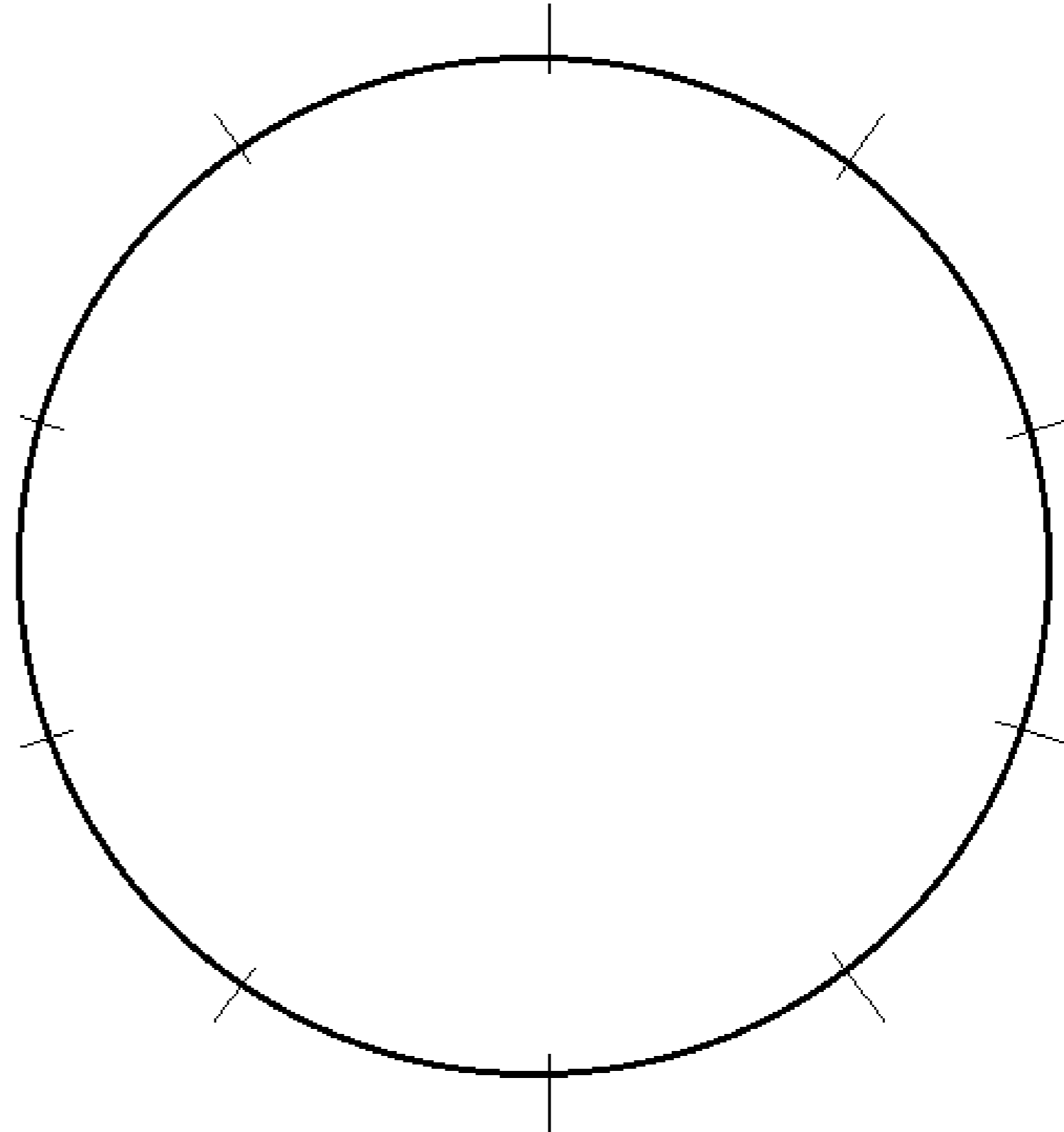
Inserts mGPR30 cloned into pYesFLAG at BamHI site, in frame with flag at Nter

Reporter gene

Promoter, GAL1
splice,
PolyA

Comments

Reference



Construct number

1959

Date entered

1.9.06

Constructed by

Date constructed

PLASMID NAME

Rep3 Δ ATG

bacterial marker Amp

LEU2

parent vector

bacterial plasmid

other relevant source constructs

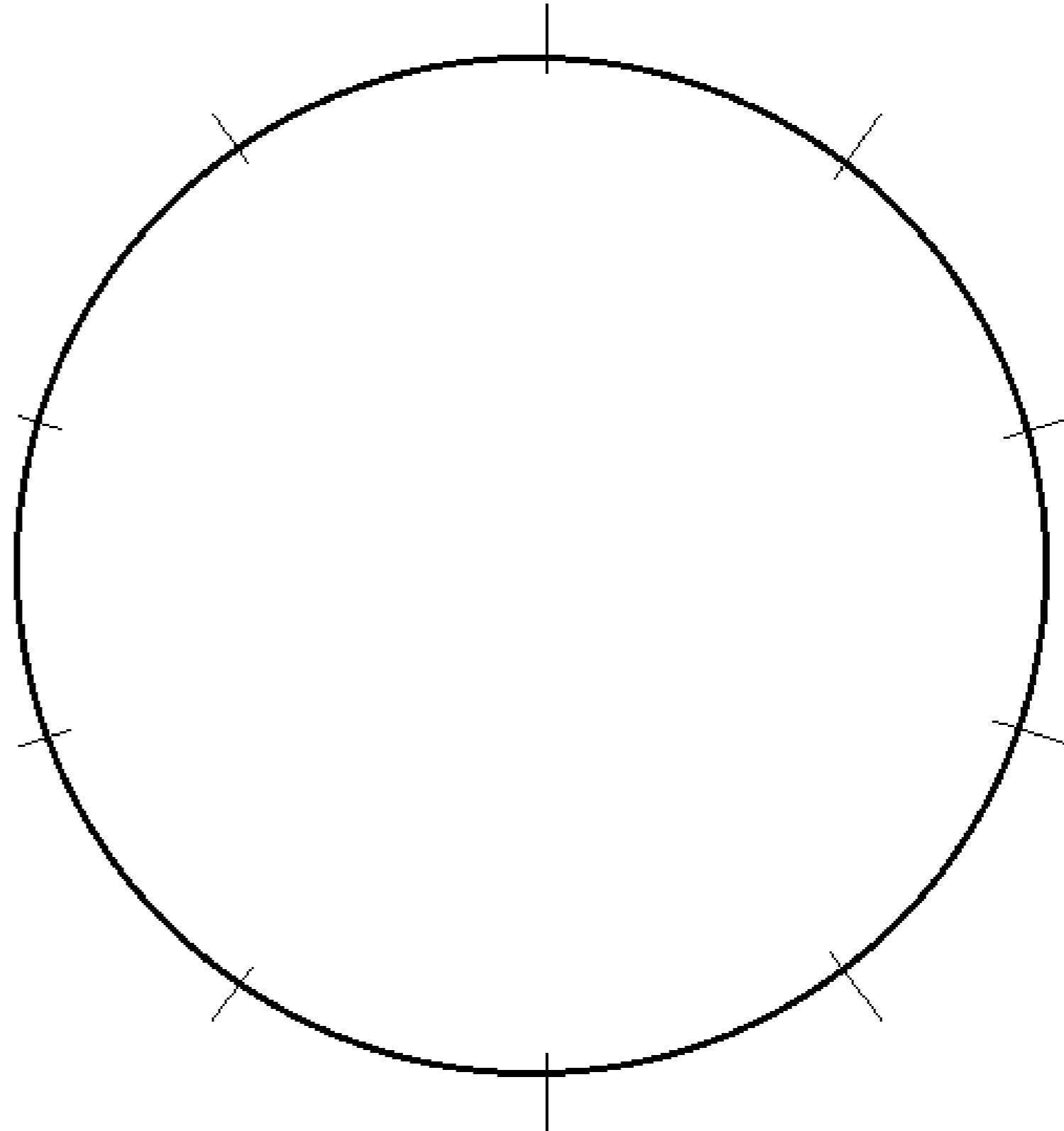
Inserts

Reporter gene

Promoter,
splice,
PolyA nmt1 (full strength)

Comments for expression in S.pombe

Reference



Construct number

1961

Date entered

1.9.06

Constructed by

Date constructed

PLASMID NAME

Rep41 Δ ATG

bacterial marker Amp

LEU2

parent vector

bacterial plasmid

other relevant source constructs

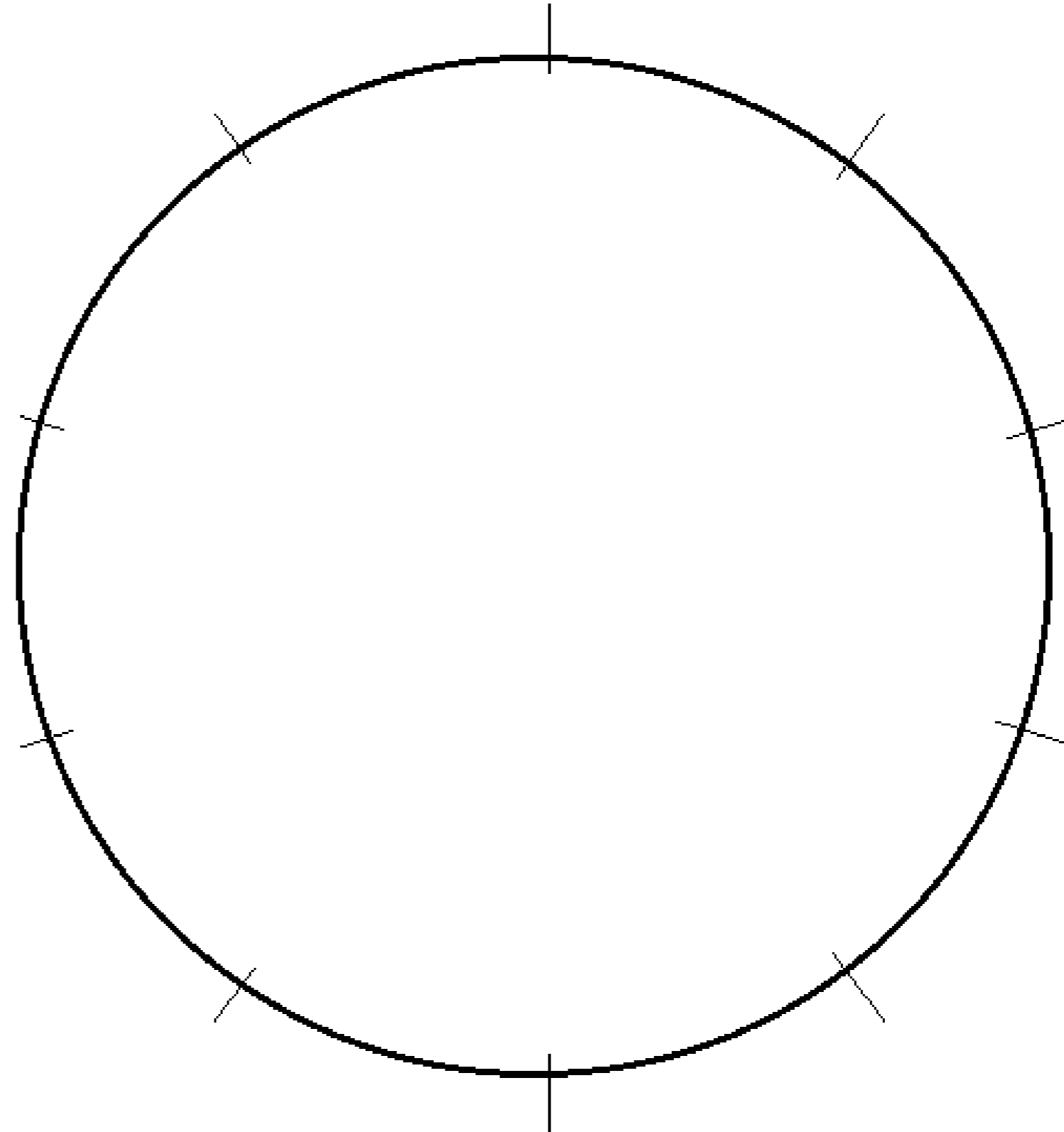
Inserts

Reporter gene

Promoter,
splice,
PolyA nmt41 (medium strength)

Comments for expression in S.pombe

Reference



Construct number

1962

Date entered

1.9.06

Constructed by

Date constructed

PLASMID NAME

Rep81 Δ ATG

bacterial marker Amp

LEU2

parent vector

bacterial plasmid

other relevant source constructs

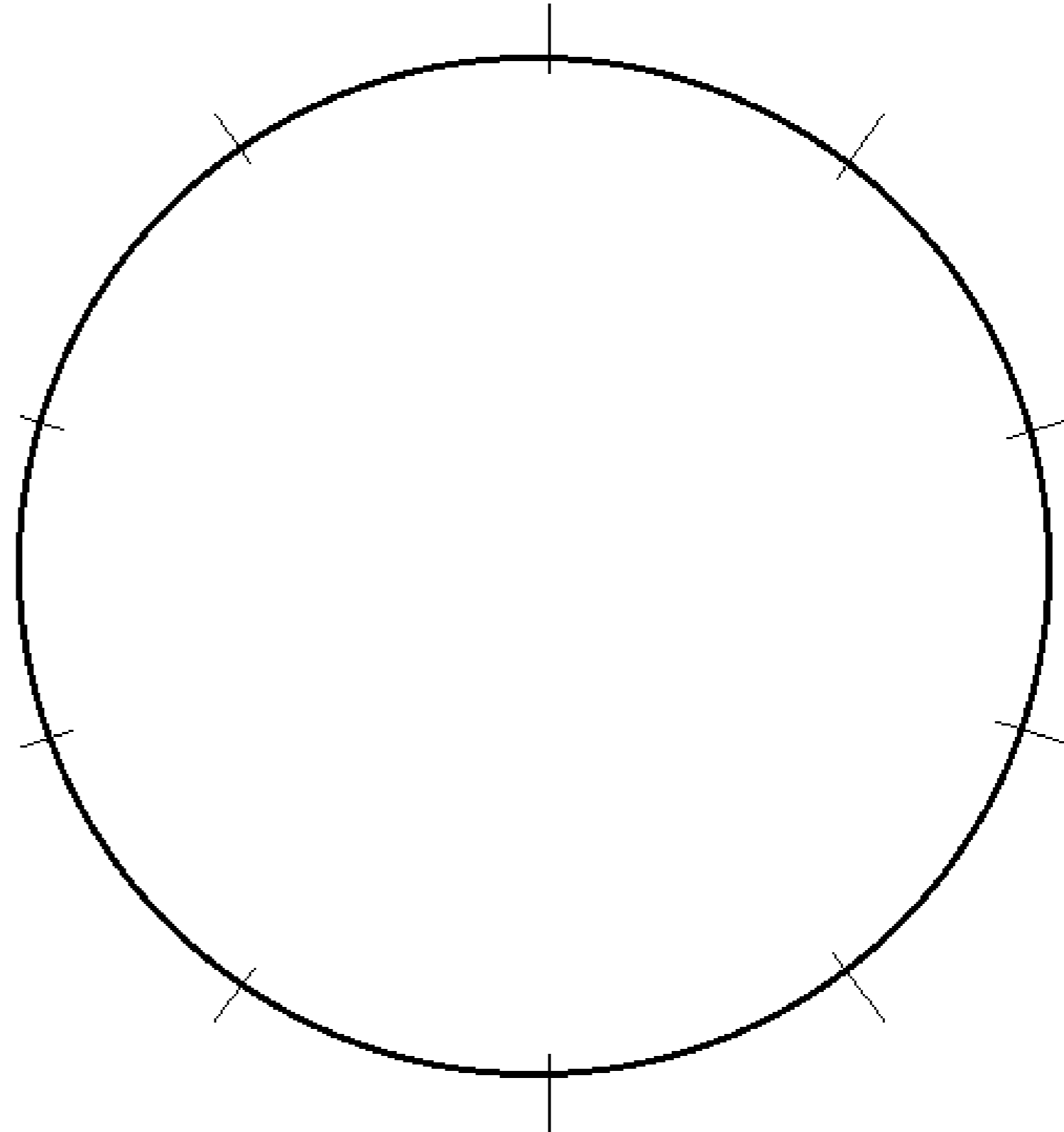
Inserts

Reporter gene

Promoter, nmt81 (low strength)
splice,
PolyA

Comments for expression in S.pombe

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 1963

Date entered 4.9.06

Constructed by Pierre-André Briand

Date constructed 08.2006

PLASMID NAME

pcDNA/HA-mAARSD1L

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA3/HA-p23

bacterial plasmid

pUC

other relevant source constructs

IMAGE:5031259 and 3497962

Inserts HA tag fused to mouse AARSD1 ("alanyl-tRNA synthetase domain containing 1"). AARSD1 contains tsp23. Relative to the AARSD1 ENSEMBL entry ENSMUSG00000057537, the long form AARSD1L contains the additional N-terminal peptide MERQPARTLWYDRPKYVF that is present in some transcripts. Entire length of AARSD1L without HA tag is 543 aa.

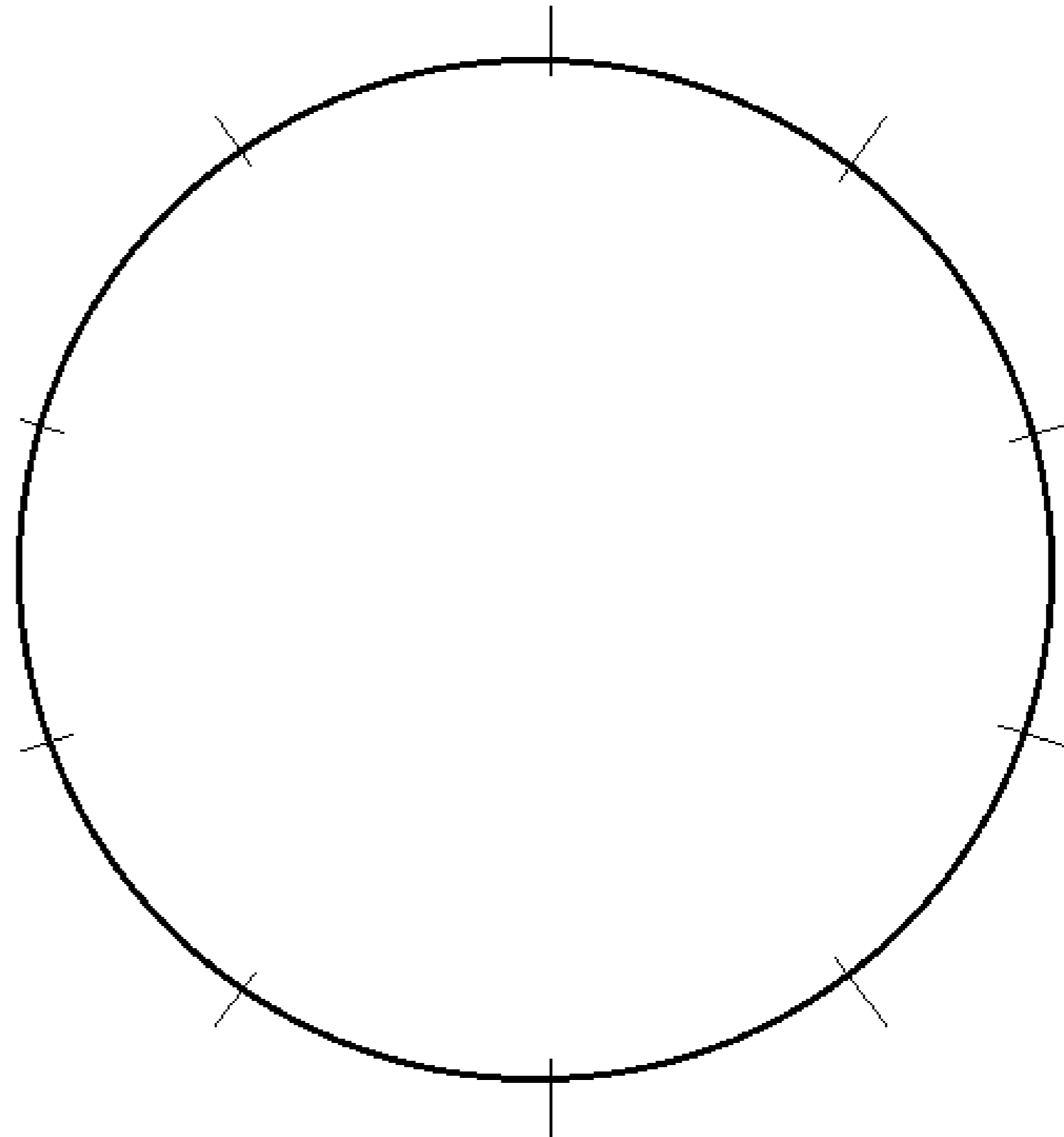
Reporter gene

Promoter,
splice,
PolyA

- CMV promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- pUC origin

Comments - tag is MQDLPGNDNSTAG, **not** 12CA5 epitope
- sequence available

Reference



Construct number 1965

Date entered 12.9.06

Constructed by Claudio De Vergilio

Date constructed

PLASMID NAME

pLS9-CTT18

alternative name

pCTT1-18/7x

<u>bacterial marker</u> Amp	<u>parent vector</u> pLS9
<u>yeast marker</u> URA3	<u>bacterial plasmid</u> pBR322
<u>eucaryotic replicon</u>	<u>other relevant source constructs</u>

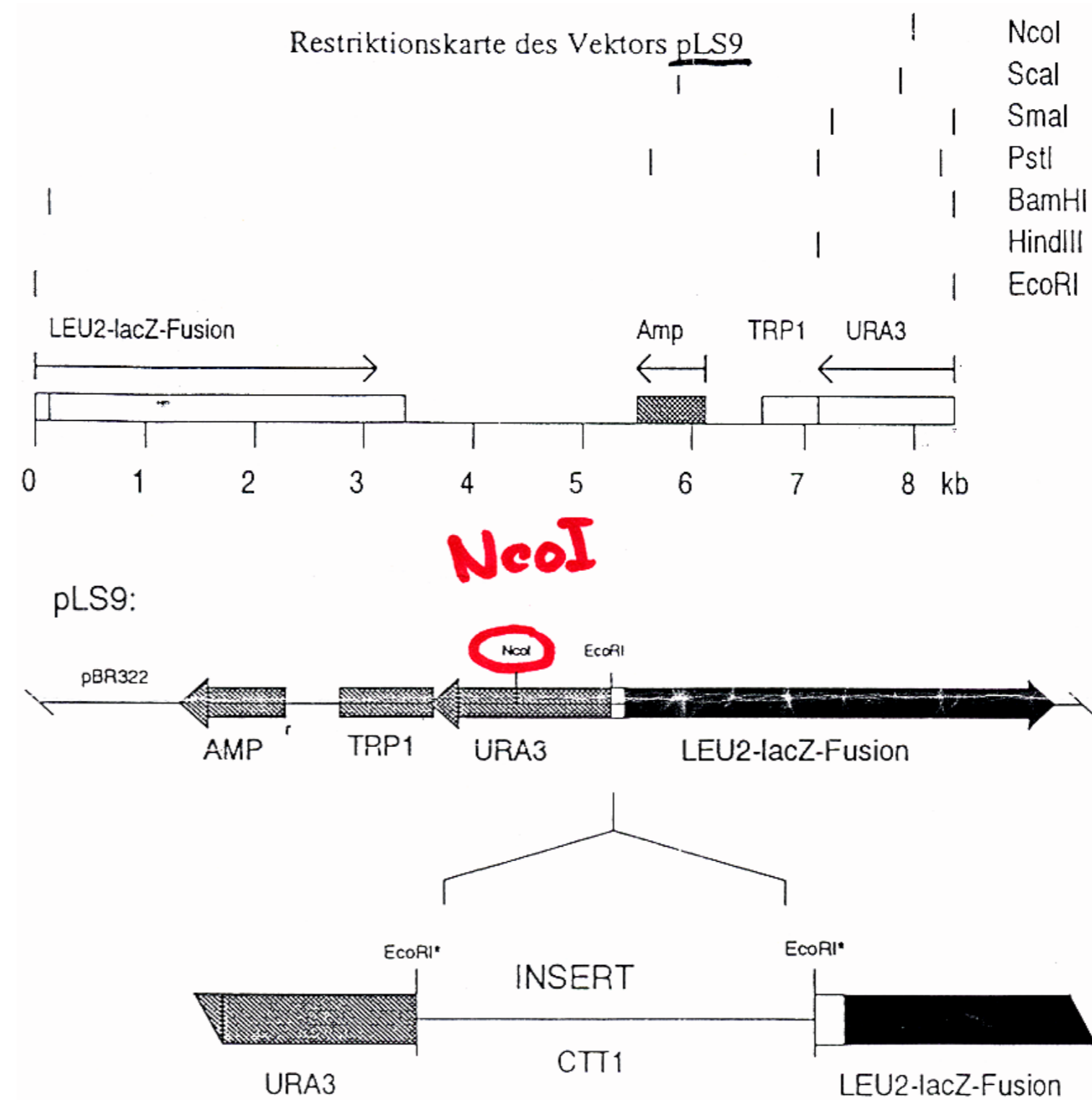
Inserts 7x stress response elements **STRE: AGGGG**
 inserted in the CTT promoter by **EcoRI** before LacZ
 Regulated by Msn2/Msn4
INTEGRATIVE VECTOR: cut NcoI prior trasformation!!!

Reporter gene **lacZ**

Promoter, splice, PolyA 7x**STRE** upstream of *CTT1* TATA region
CTT1-18: 5'-aattggtaAGGGGcc-3'
3'-ccatTCCCCggttaa-5'

Comments received from Claudio De Vergilio

Reference



Construct number

1966

Date entered

12.9.06

Constructed by

Sorger/Pelham

Date constructed

PLASMID NAME

pHSE2-lacZ

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

pBR ?

other relevant source constructs

Inserts

heat-shock element (HSE):
CTAGAAGCTTCTAGAAGCTTCTAGAGGATCCCCG
as a Sal1-BamHI fragment in Xho1-Bgl2 sites

contains two perfect matches to consensus HSE, CNNGAANNTTCNNG

Regulated by Hsf1

Reporter gene lacZ

Promoter,
splice,
PolyA HSE upstream of *CYC1* TATA region (at -178)

Comments received from Peter Piper

Reference Sorger and Pelham (1988) EMBO J. 6, 3035-3041

DIDIER PICARD LAB, University of Geneva

Construct number 1967

Date entered 13.9.06

Constructed by Deo Prakash Pandey

Date constructed Aug 2006

PLASMID NAME

pSR.miR-181

bacterial marker Amp

vertebrate marker Puromycin

parent vector
pSuper-Retro

bacterial plasmid

other relevant source constructs

Inserts miR-181 cloned into pSR to be expressed as an shRNA. pSR was cut with BglIII and XhoI.

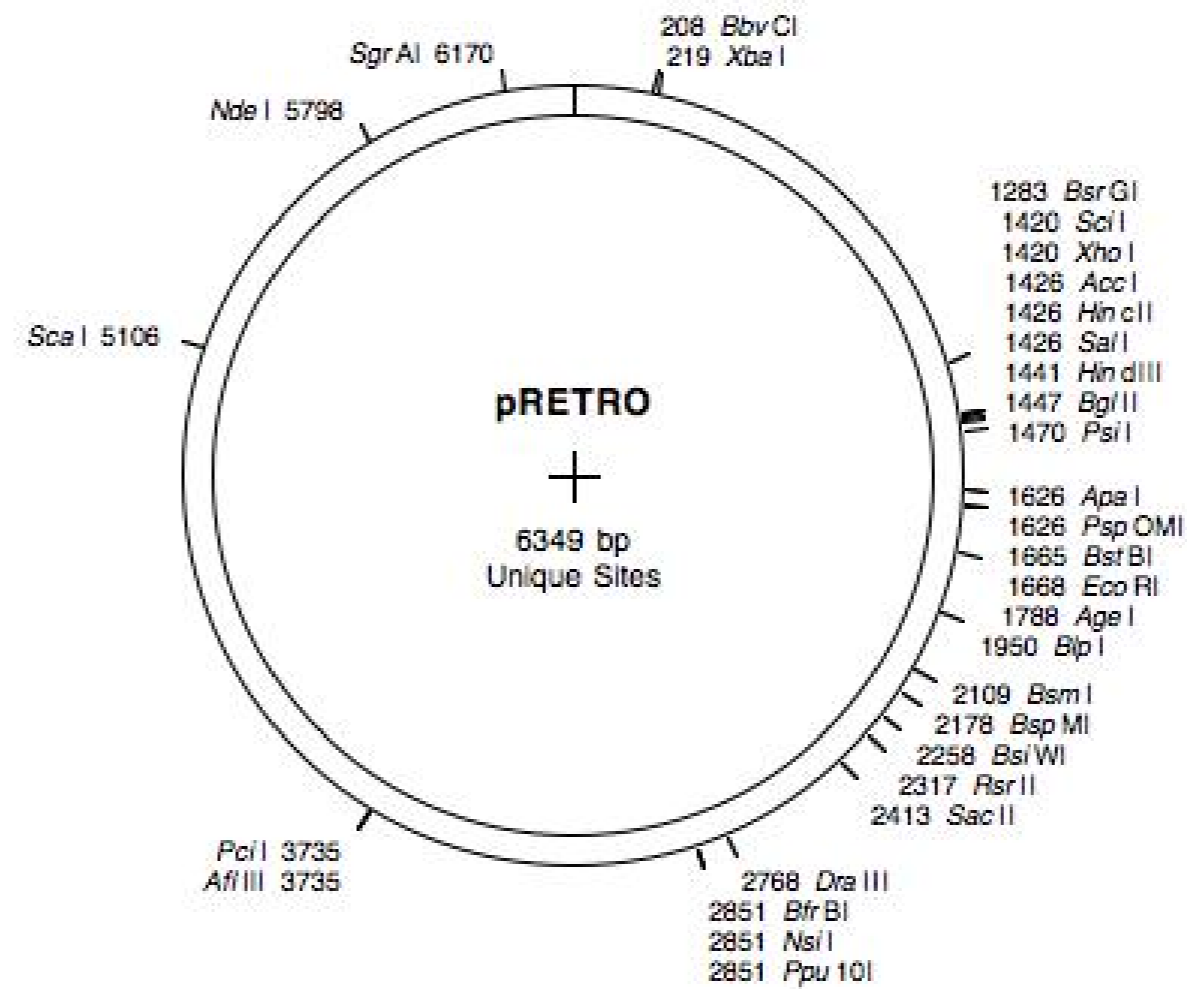
miR-181: **AACATTCAACGCTGTCGGTGAGT**

Reporter gene

Promoter,
splice,
PolyA

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number 1968

Date entered 13.9.06

Constructed by Deo Prakash Pandey

Date constructed Aug 2006

PLASMID NAME

pSR.miR-148a

bacterial marker Amp

vertebrate marker Puromycin

parent vector
pSuper-Retro

bacterial plasmid

other relevant source constructs

Inserts miR-148a cloned into pSR to be expressed as an shRNA. pSR was cut with BglII and XhoI.

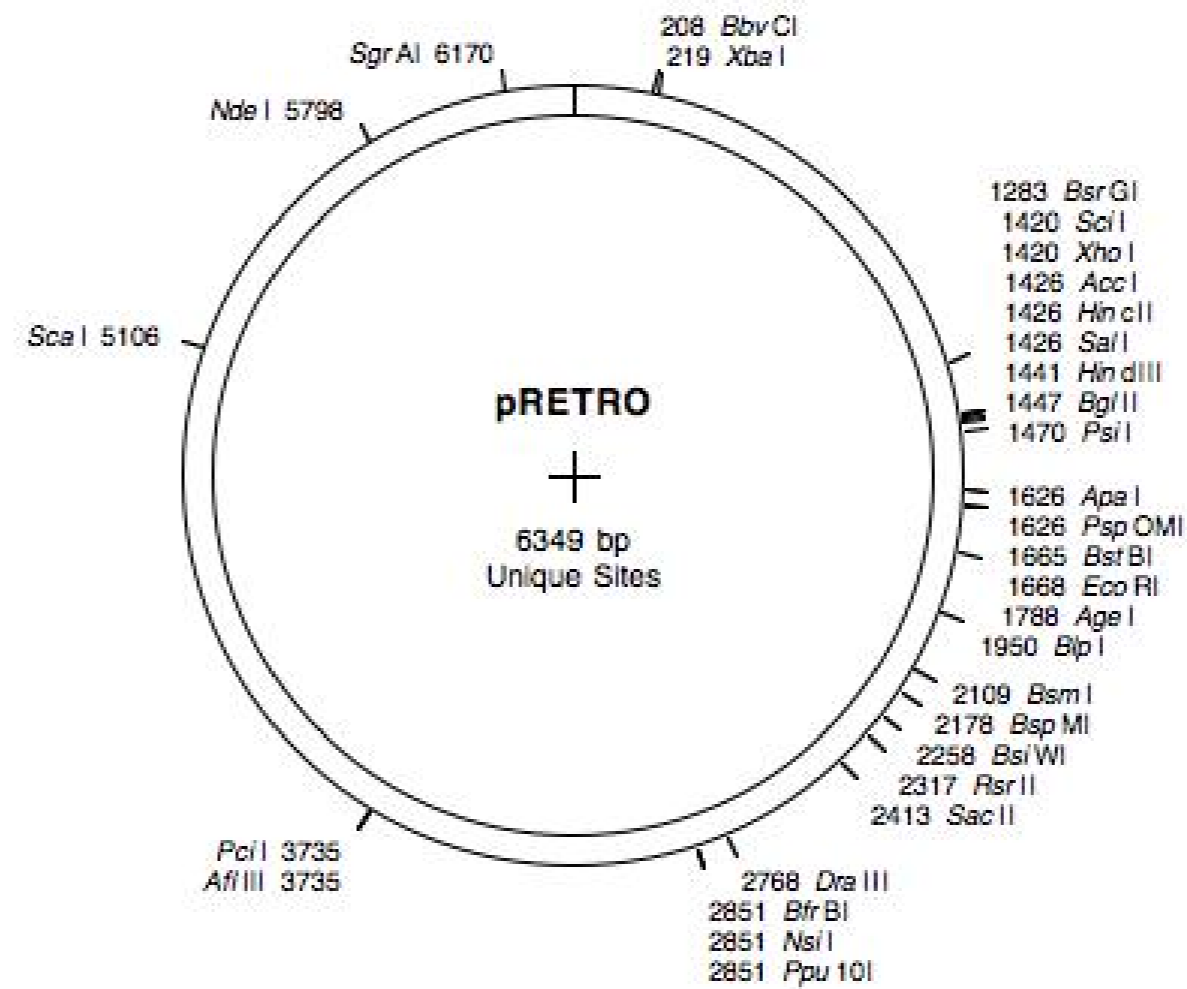
miR-148a: **TCAGTGCACTACAGAACTTTGT**

Reporter gene

Promoter,
splice,
PolyA

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number 1969

Date entered 13.9.06

Constructed by Deo Prakash Pandey

Date constructed Aug 2006

PLASMID NAME

pSR.miR-200a

bacterial marker Amp

vertebrate marker Puromycin

parent vector
pSuper-Retro

bacterial plasmid

other relevant source constructs

Inserts miR-200a cloned into pSR to be expressed as an shRNA. pSR was cut with BglII and XhoI.

miR-200a: **TAACACTGTCTGGTAACGATGT**

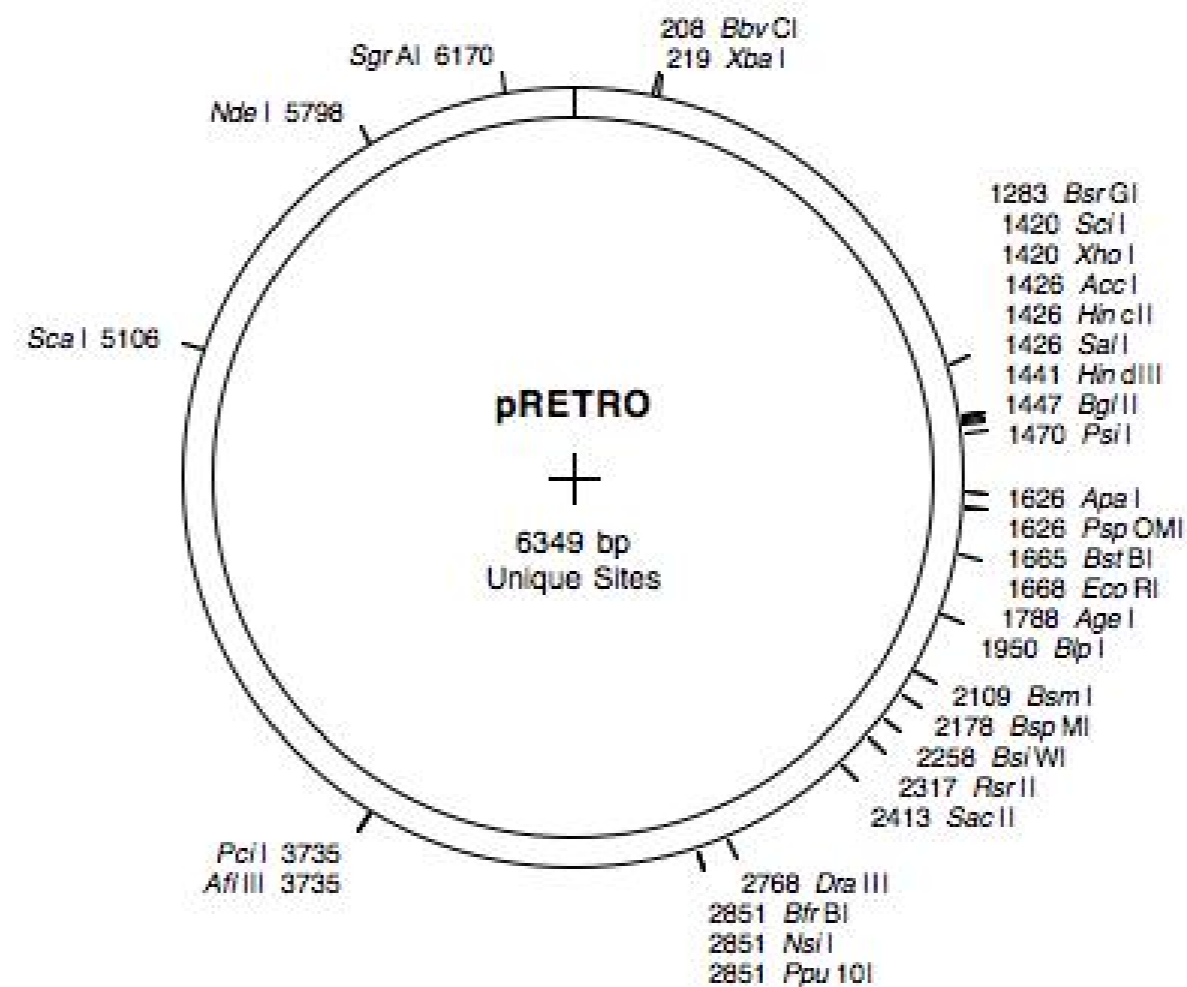
Reporter gene

Promoter,
splice,
PolyA

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

For p23 UTR

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.9.06

Constructed by Deo Prakash Pandey

Date constructed Aug 2006

PLASMID NAME

pSR.miR-141

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSuper-Retro

bacterial plasmid

other relevant source constructs

Inserts miR-141 cloned into pSR to be expressed as an shRNA. pSR was cut with BglIII and XhoI.

miR-141: **TAACACTGTCTGGTAAAGATGG**

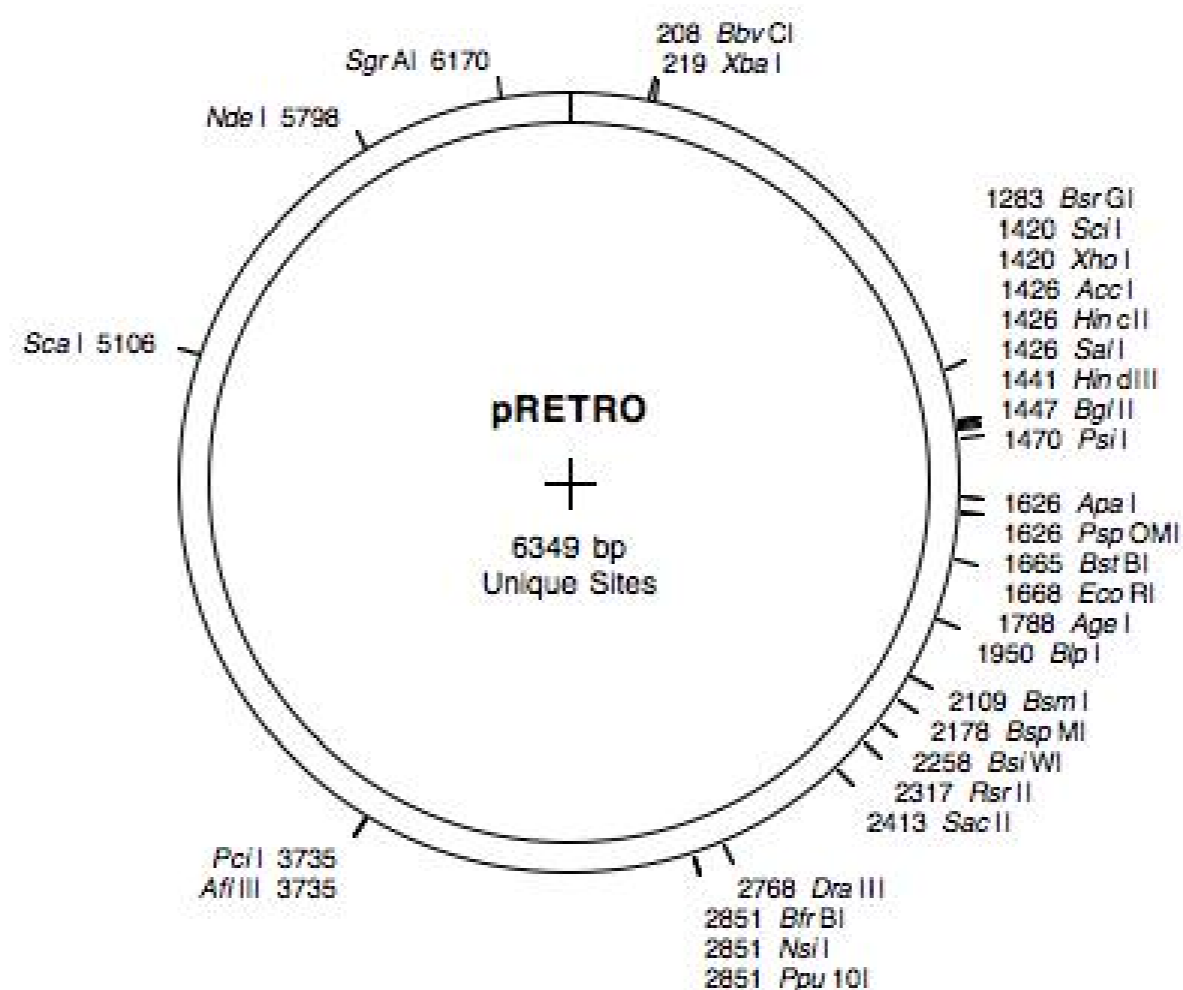
Reporter gene

Promoter,
splice,
PolyA

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

For p23 3'UTR.

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.9.06

Constructed by Deo Prakash Pandey

Date constructed Aug 2006

PLASMID NAME

pGL3.UTR1

bacterial marker Amp	parent vector
	bacterial plasmid
	other relevant source constructs pGL3-CMV.luc, pfGH.ER3'UTR, pGL3.3'UTR

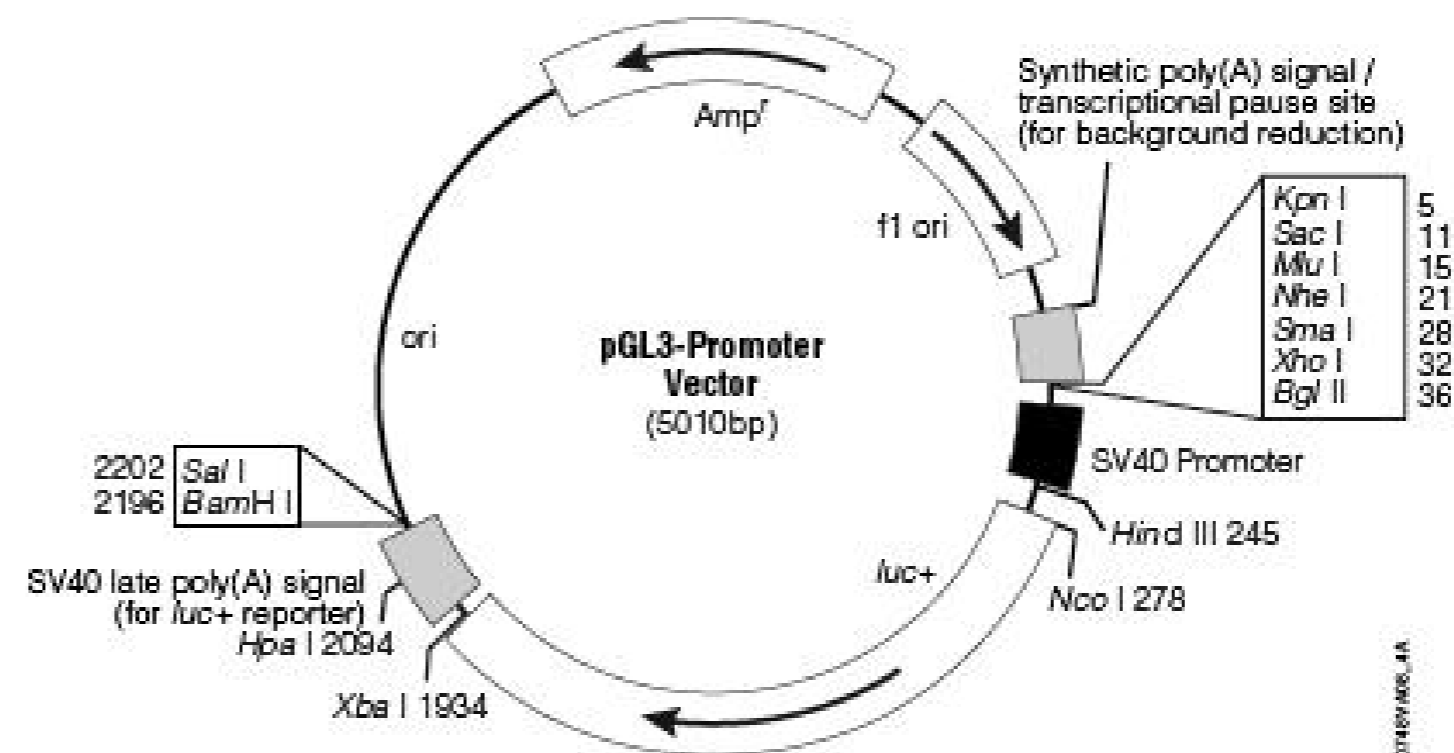
Inserts First subfragment fragment of 3'UTR of hER-alpha was amplified from pfGH.3'UTR with *speI* at both ends, sub-cloned into BS(+) and then, the fragment was re-cloned into pGL3-CMV.luc at the *XbaI* site.
Insert contains: 484-1550 bp. Reference: Last exon ESR1

Reporter gene

Promoter, splice, PolyA CMV

Comments Please note that *XbaI* site is destroyed.
Sequence as well as primers are available.

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.9.06

Constructed by Deo Prakash Pandey

Date constructed Aug 2006

PLASMID NAME

pGL3.UTR2

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

pGL3-CMV.luc, pfGH.ER3'UTR, pGL3.3'UTR

Inserts

Second subfragment of 3'UTR of hER-alpha was amplified from pfGH.3'UTR with *speI* at both ends, sub-cloned into BS(+) and then, the fragment was recloned into pGL3-CMV.luc at the *XbaI* site.

Insert contains: 1501-2550 bp. Reference: Last exon ESR1

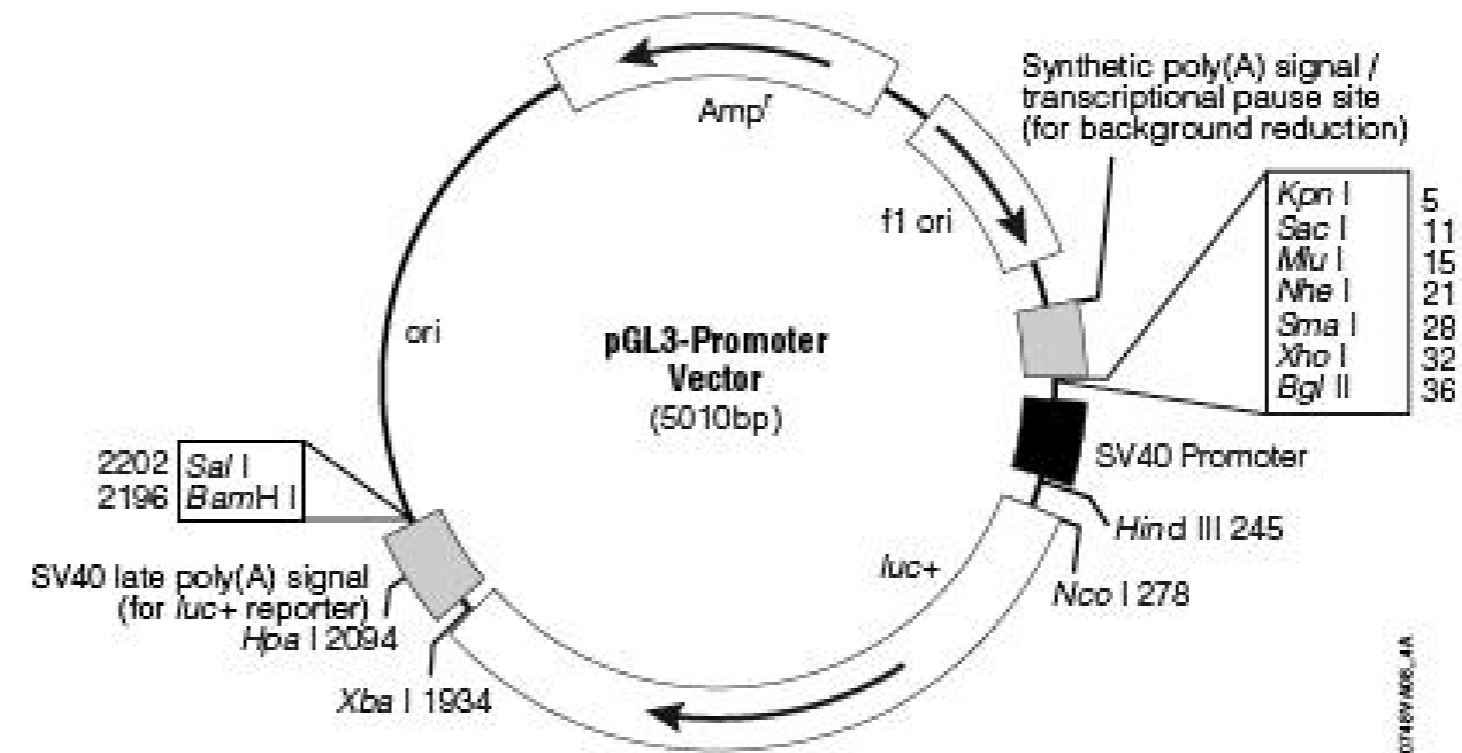
Reporter gene

Promoter, splice, PolyA CMV

Comments Please note that *XbaI* site is destroyed.

Sequence as well as primers are available.

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.9.06

Constructed by Deo Prakash Pandey

Date constructed Aug 2006

PLASMID NAME

pGL3.UTR3

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

pGL3-CMV.luc, pfGH.ER3'UTR, pGL3.3'UTR

Inserts

Third subfragment of 3'UTR of hER-alpha was amplified from pfGH.3'UTR with spel at both ends, sub-cloned into BS(+) and then, the fragment was recloned into pGL3-CMV.luc at the XbaI site.

Insert contains: 2500-3550 bp. Reference: Last exon ESR1

Beware that this construct contains target site 2 and 3 of miR-22. Check pGL3.UTR3n for target site 3 only.

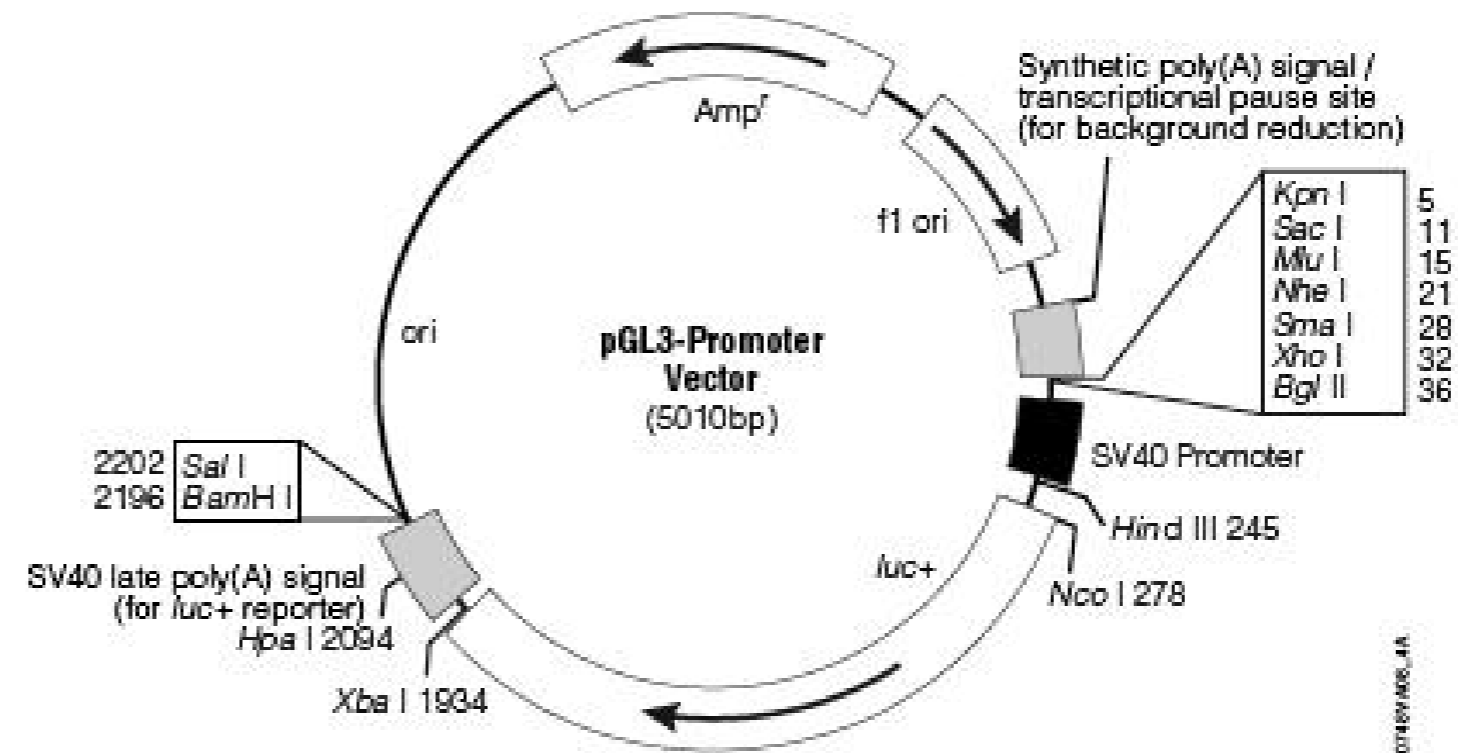
Reporter gene

Promoter, splice, PolyA CMV

Comments Please note that XbaI site is destroyed.

Sequence as well as primers are available.

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number 1974

Date entered 13.9.06

Constructed by Deo Prakash Pandey

Date constructed Aug 2006

PLASMID NAME

pGL3.UTR4

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

pGL3-CMV.luc, pfGH.ER3'UTR, pGL3.3'UTR

Inserts

Fourth and last subfragment of 3'UTR of hER-alpha was amplified from pfGH.3'UTR with *speI* at both ends, sub-cloned into BS(+) and then, the fragment was re-cloned into pGL3-CMV.luc at the *XbaI* site.

Insert contains: 3500-4487 bp. Reference: Last exon ESR1

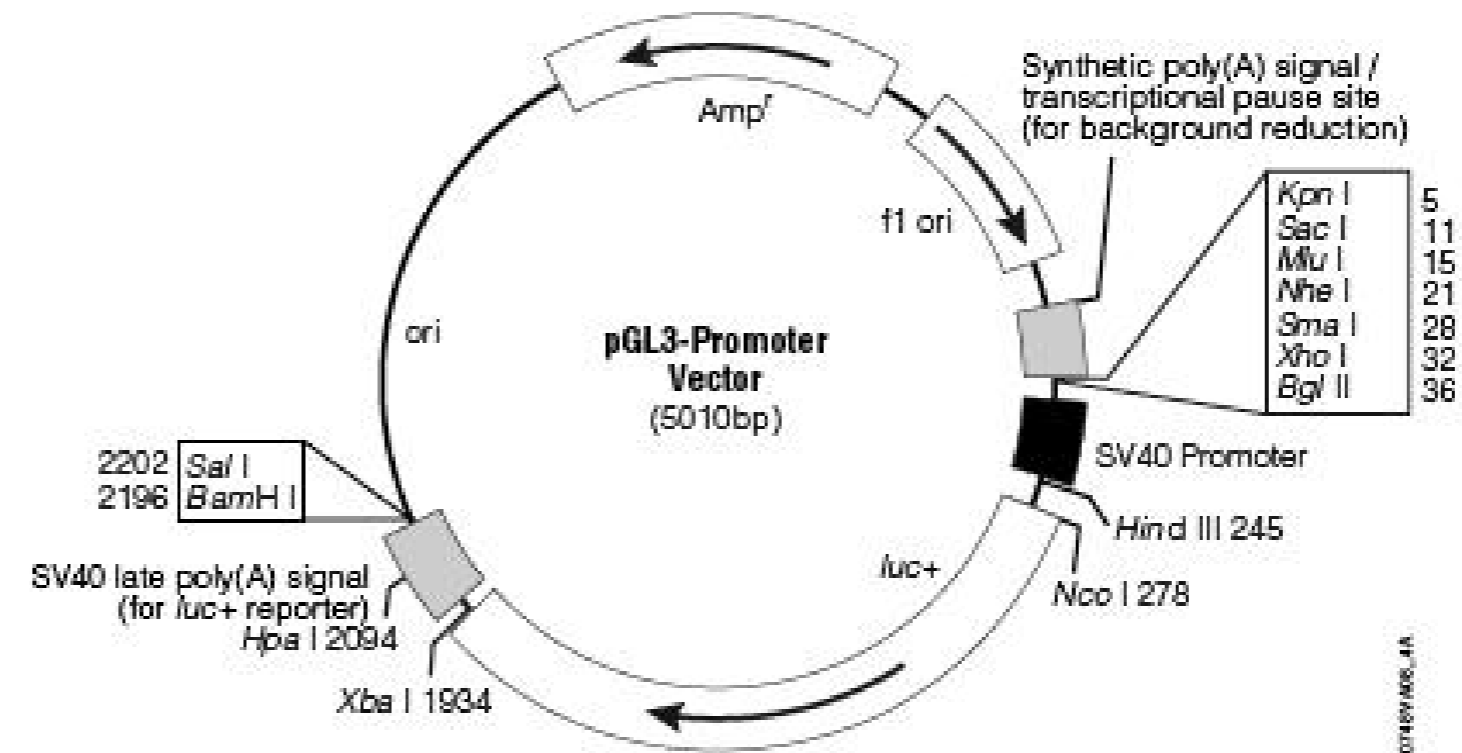
Reporter gene luciferase

Promoter, splice, PolyA CMV

Comments Please note that *XbaI* site is destroyed.

Sequence as well as primers are available.

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



074854066_01A

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.9.06

Constructed by Deo Prakash Pandey

Date constructed Aug 2006

PLASMID NAME

pGL3.pUTR

bacterial marker Amp	parent vector
	bacterial plasmid
	other relevant source constructs pGL3-CMV.luc (1876)

Inserts 3'UTR of p23 was amplified from human genomic DNA with XbaI at both ends, ligated into pGL3-CMV.luc at the XbaI site.
Insert contains: 108-1253 bp. Reference: Last exon p23

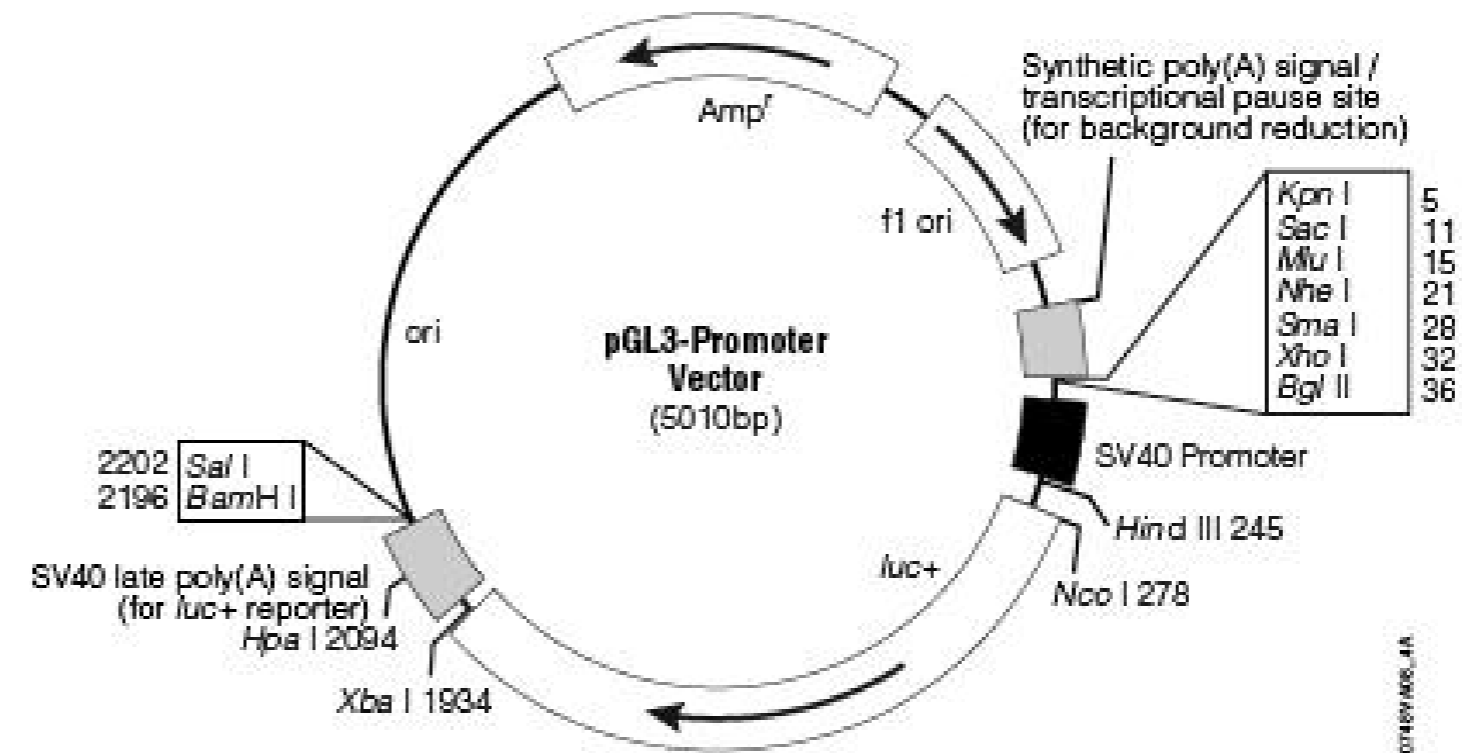
Reporter gene

Promoter, splice, PolyA CMV

Comments Note that XbaI is available and therefore it is a useful construct to do RE digest with XbaI, will give 2 fragments unlike 1876.

Sequence as well as primers are available.

Reference



07485W06c_01A

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.9.06

Constructed by Deo Prakash Pandey

Date constructed Aug 2006

PLASMID NAME

pSR.siRCK/p54

bacterial marker Amp

vertebrate marker Puromycin

parent vector
pSuper-Retro

bacterial plasmid

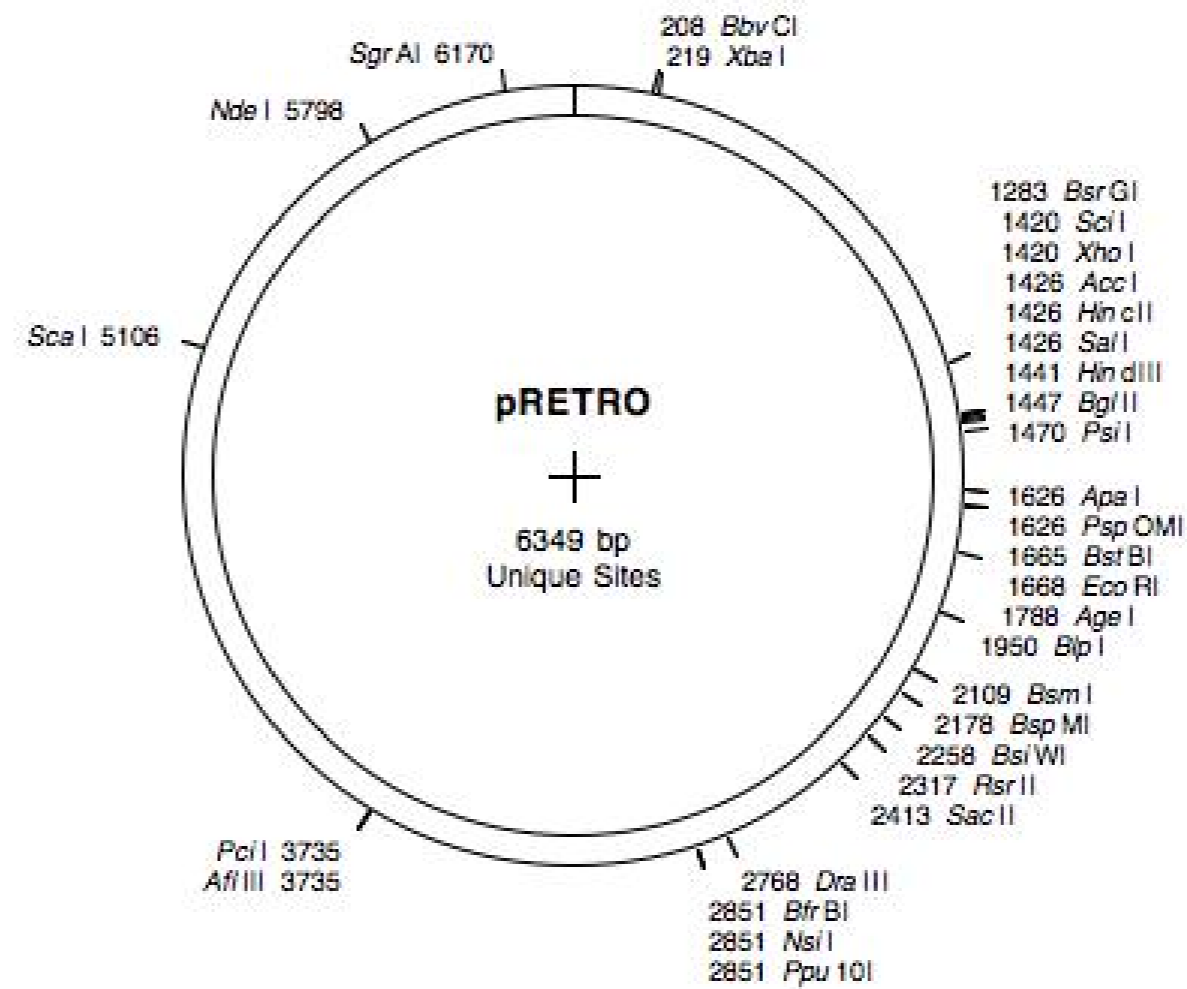
other relevant source constructs

Inserts antisense oligo targeting p54/RCK was cloned into pSR to be expressed as an shRNA. pSR was cut with BglII and XhoI. siRCK is supposed to knock-down miRISC.

siRCK: **GCAGAAACCTATGAGATTTT**

Reporter gene

Promoter,
splice,
PolyA



Comments

Reference Chu CY, Rana TM. (2006) Translation Repression in Human Cells by MicroRNA-Induced Gene Silencing Requires RCK/p54.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.9.06

Constructed by Deo Prakash Pandey

Date constructed August 2006

PLASMID NAME

Targeting1_GPR30

bacterial marker Amp+Kan

parent vector
Bluescript
bacterial plasmid

other relevant source constructs
BS(+), PL452

Inserts Targeting vector 1 for cko GPR30. Refer to the figure in right panel. DNA regions were amplified with primers, C and D; E and F respectively and Neo-cassette with loxP and FRT sites were excised from PL452 and all these 3 fragments were ligated in BS (+).

BS(+): Cut with NotI/SalI PL452: Cut with EcoRI/BamHI
PCR3: Cut with NotI/EcoRI PCR4: Cut with BamHI/SalI

Reporter gene

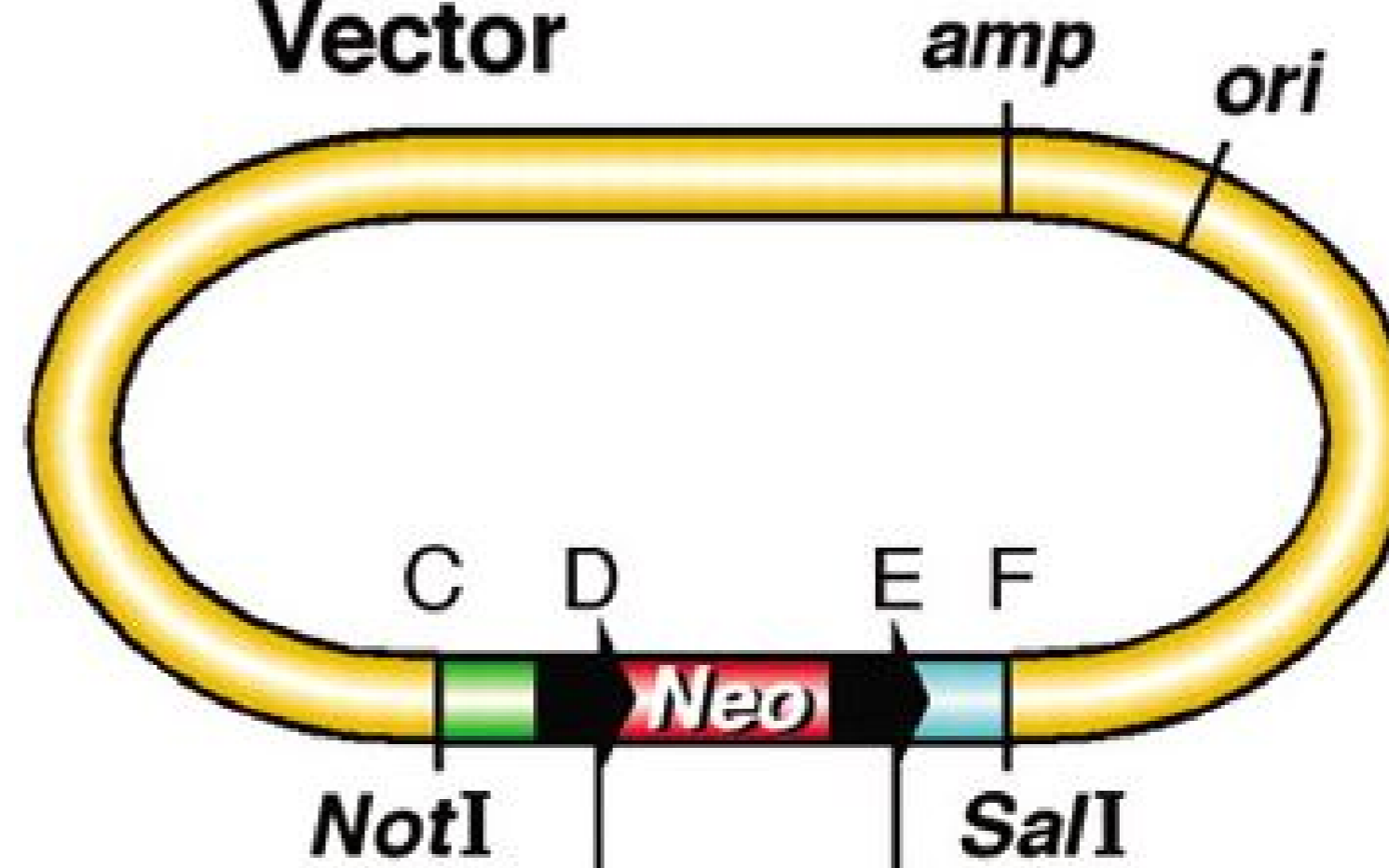
Promoter,
splice,
PolyA

Comments Look at the map attached!

Sequences of the PCR product are available.

Reference

Mini-targeting Vector



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.9.06

Constructed by Deo Prakash Pandey

Date constructed August 2006

PLASMID NAME

Targeting2_GPR30

bacterial marker Amp+Kan

parent vector
Bluescript
bacterial plasmid

other relevant source constructs
BS(+), PL451

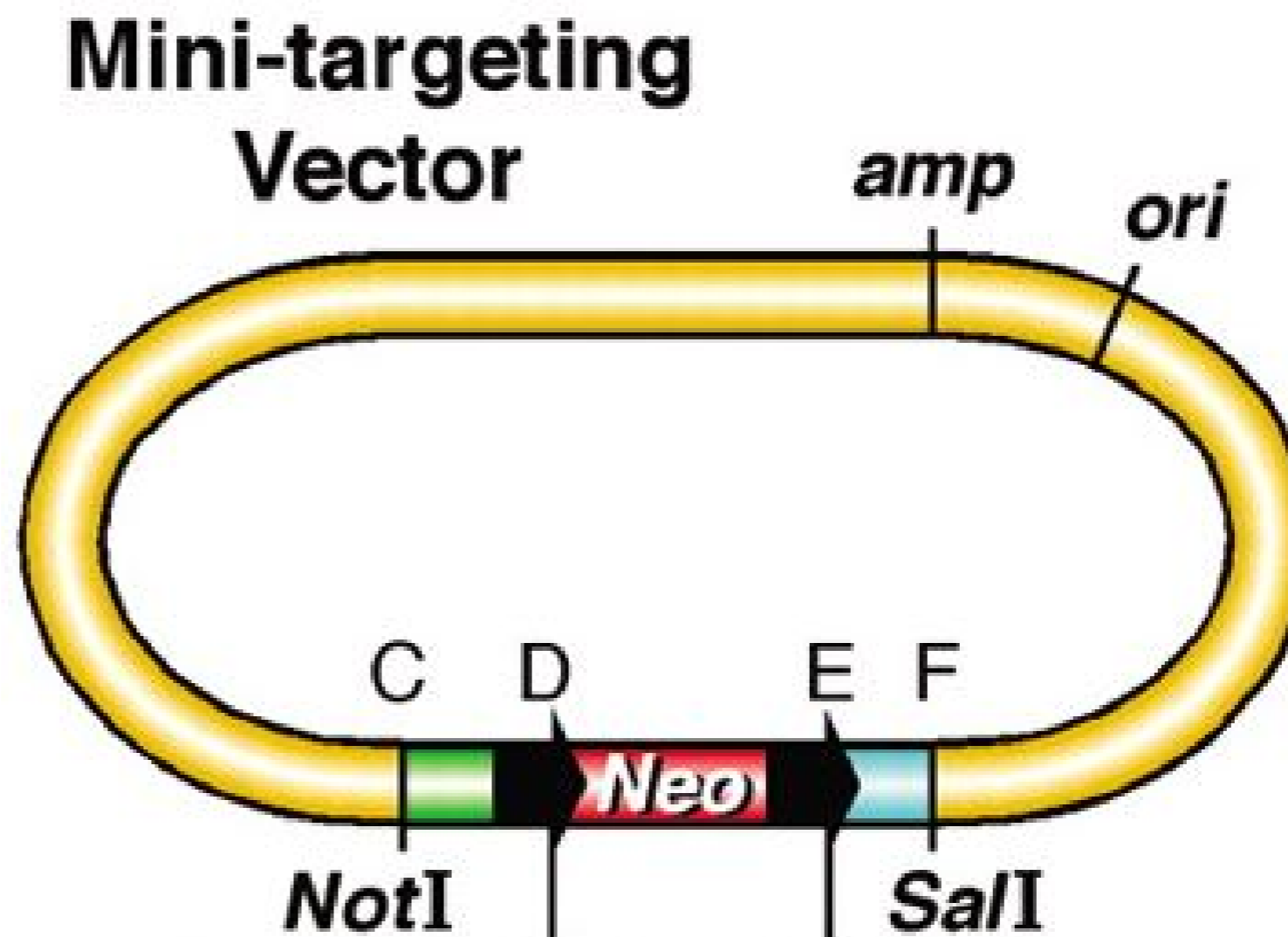
Inserts

Targeting vector 2 for cko GPR30. Refer to the figure in right panel, its meant for Targeting_1, but cloning remains more or less same. DNA regions were amplified with primers, G and H; I and J respectively and Neo-cassette with loxP and FRT sites were excised from PL451 and all these 3 fragments were ligated in BS (+).

BS(+): Cut with NotI/SalI PL452: Cut with EcoRI/BamHI
PCR5: Cut with NotI/EcoRI PCR6: Cut with BamHI/SalI

Reporter gene

Promoter,
splice,
PolyA



Comments Look at the map attached!

Sequences of the PCR product are available.

Reference

Construct number

1979

Date entered

18.9.06

Constructed by

Kodadek lab

Date constructed

PLASMID NAME

Myc-Gal4ERVP16-Flag

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRS313

bacterial plasmid

Bluescript

other relevant source constructs

Inserts

myc tag fused to Gal4 DNA binding domain (aa 1-93) fused to ERalpha LBD (aa 282-595) fused to VP16 (aa 424-490) fused to Flag tag

Reporter gene

Promoter, ADH1 promoter
splice,
PolyA

Comments - low copy number yeast episomal vector
- complete sequence available

Reference Nalley et al. (2006) Nature 442, 1054.

DIDIER PICARD LAB, University of Geneva

Construct number

1980

Date entered

19.9.06

Constructed by

Pierre-André Briand

Date constructed

09.2006

PLASMID NAME

pLmp23Y9F

bacterial marker Amp

vertebrate marker GPT

eucaryotic replicon SV40 ori

parent vector

pLVC

bacterial plasmid

pUC

other relevant source constructs

BS/mp23 Y9F

Inserts Y9F mutant of mouse p23 in lentiviral vector for ubiquitous expression

Reporter gene

Promoter, - CMV enhancer - chicken β -actin promoter
splice, - Other features: the post-transcriptional regulatory element of woodchuck
PolyA hepatitis virus (WPRE, abbreviated in plasmid names) has been inserted to enhance transgene expression as well as a central polypurine tract (cPPT), a cis-acting element that improves the efficiency of gene transfer by a few-fold in many targets

Comments codon 9 is changed to TTC

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 26.9.06

Constructed by Deo Prakash Pandey

Date constructed August 2006

PLASMID NAME

Gap-repair_GPR30

bacterial marker Amp+Kan

parent vector

Bluescript

bacterial plasmid

other relevant source constructs

PL253, Retrieval_GPR30 (1900)

Inserts Area of interest from the BAC (plasmid nr. 1880) was cloned into PL253 using recombineering.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.10.06

Constructed by sophie carascossa

Date constructed 09.2006

PLASMID NAME

pMyr-ER α wt

bacterial marker Chl

parent vector

yeast marker URA3

bacterial plasmid

eucaryotic replicon 2 μ circle

other relevant source constructs

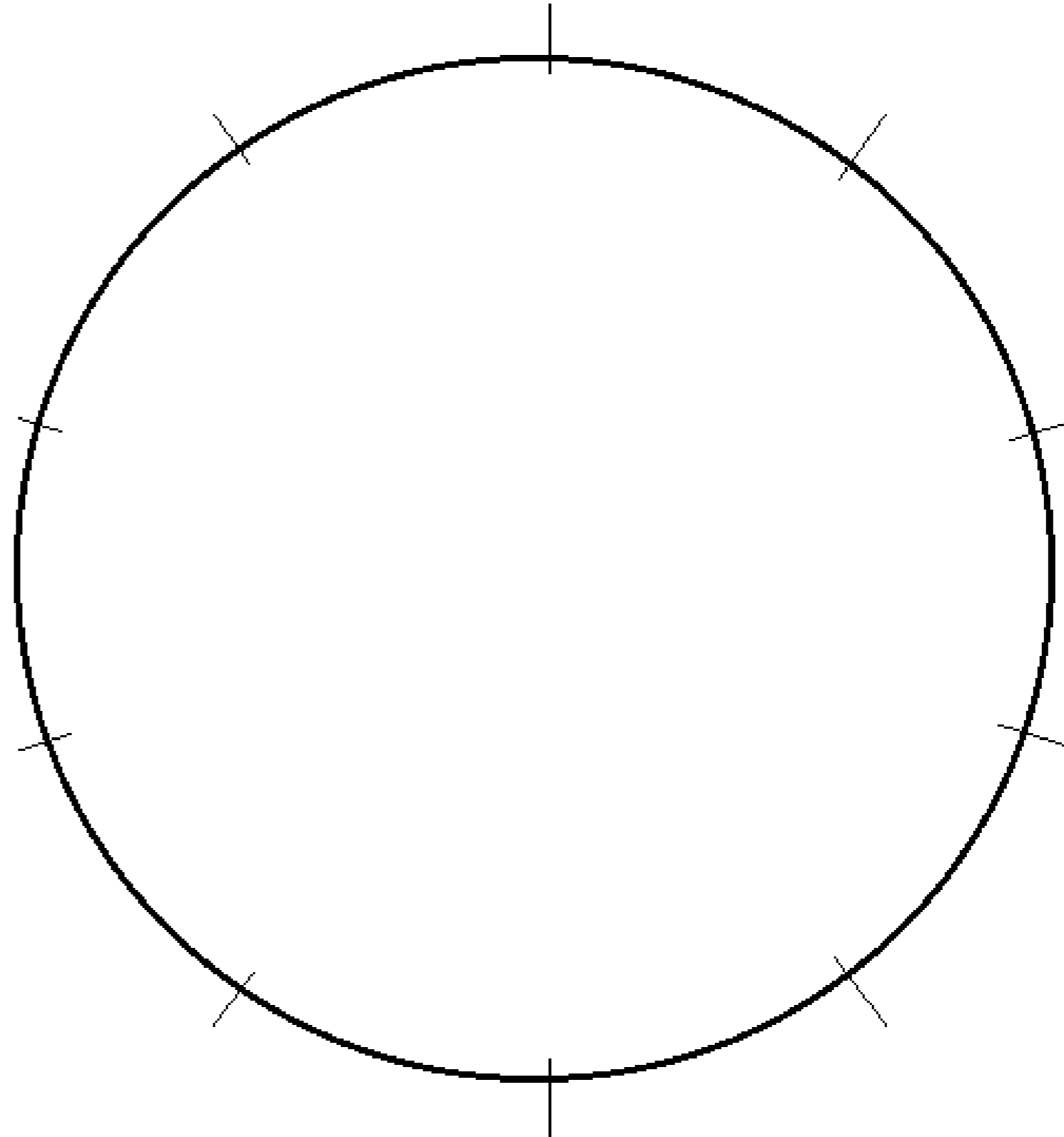
Inserts ER α wt (full length) cut from hego and inserted into pMyr at EcoRI site, in frame with the myristoylation sequence

Reporter gene

Promoter, splice, PolyA GAL1

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.10.06

Constructed by sophie carascossa

Date constructed 4.10.06

PLASMID NAME

p2HG-myr-ER α wt

bacterial marker Amp

parent vector

yeast marker HIS3

bacterial plasmid

eucaryotic replicon 2 μ circle

other relevant source constructs

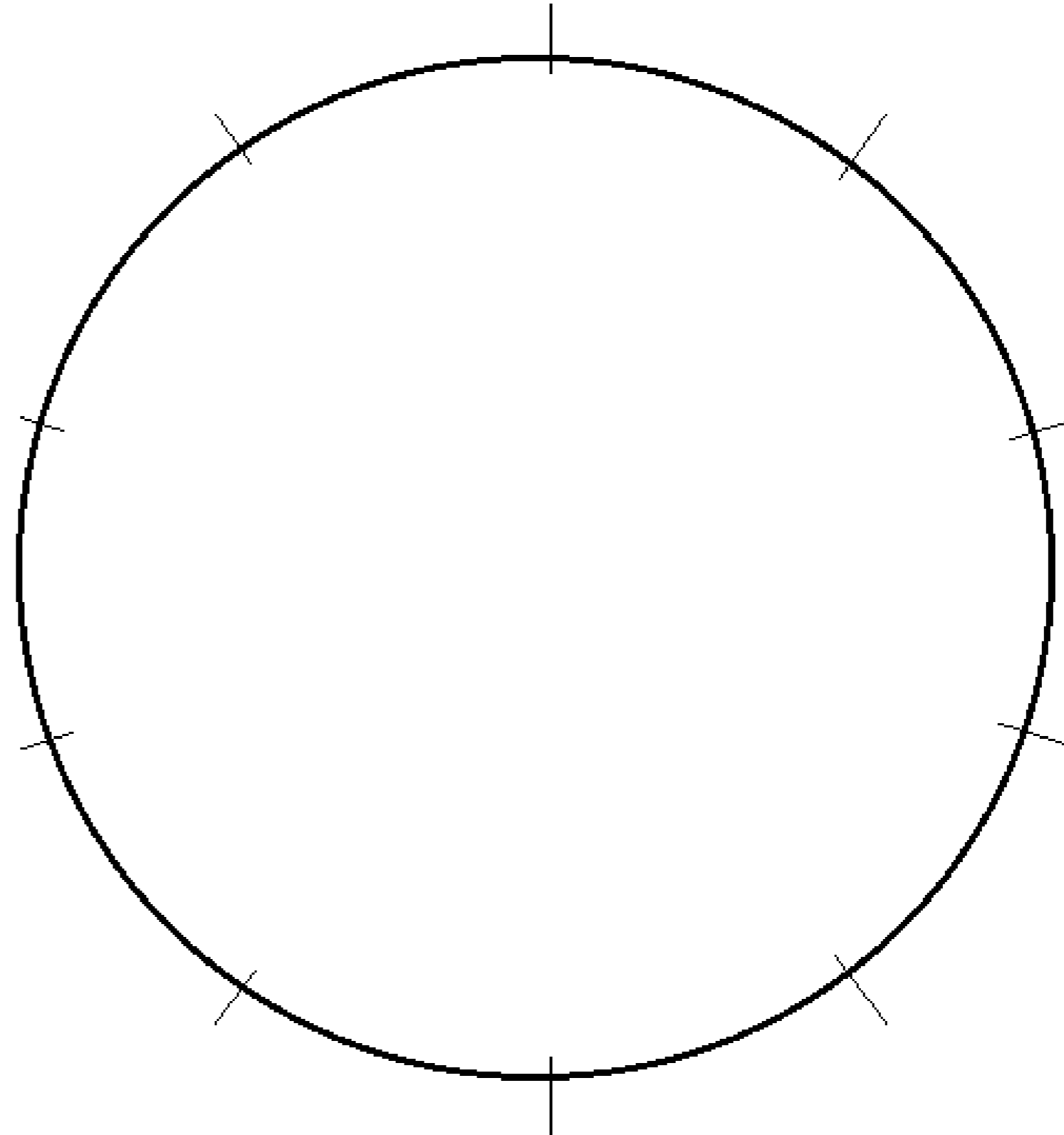
Inserts myr-ER α amplified from pMyr-ER α and inserted in p2HG at BamHI/SacI sites

Reporter gene

Promoter, splice, PolyA GPD

Comments myristoylation signal fused to ER α wt (full length)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.10.06

Constructed by Peter Dudek

Date constructed 03.05

PLASMID NAME

Gal93.ER(R412A)

bacterial marker Amp

parent vector
Gal93.ER(G)

bacterial plasmid

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts DNA binding domain + dimerization domain of GAL4 (AA 1-93) fused to hormone binding domain (HBD) of human estrogen receptor (hER) (AA 302-595) with point mutation R412A

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2 and polyA

Comments

Reference - for pSCTEVgal93: see Seipel et al. (1992) EMBO J. 11, 4961.
- this plasmid: Maggiolini et al. (2001) Mol. Pharmacol. 60, 595-602

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.10.06

Constructed by Peter Dudek

Date constructed 03.05

PLASMID NAME

Gal93.ER(L429A)

bacterial marker Amp

parent vector
Gal93.ER(G)

bacterial plasmid

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts DNA binding domain + dimerization domain of GAL4 (AA 1-93) fused to hormone binding domain (HBD) of human estrogen receptor (hER) (AA 302-595) with point mutation L429A

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2 and polyA

Comments

Reference - for pSCTEVgal93: see Seipel et al. (1992) EMBO J. 11, 4961.
- this plasmid: Maggiolini et al. (2001) Mol. Pharmacol. 60, 595-602

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.10.06

Constructed by Peter Dudek

Date constructed 03.05

PLASMID NAME

Gal93.ER(S433A)

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

Gal93.ER(G)

bacterial plasmid

other relevant source constructs

Inserts DNA binding domain + dimerization domain of GAL4 (AA 1-93) fused to hormone binding domain (HBD) of human estrogen receptor (hER) (AA 302-595) with point mutation S433A

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2 and polyA

Comments

Reference - for pSCTEVgal93: see Seipel et al. (1992) EMBO J. 11, 4961.
- this plasmid: Maggiolini et al. (2001) Mol. Pharmacol. 60, 595-602

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.10.06

Constructed by Peter Dudek

Date constructed 03.05

PLASMID NAME

Gal93.ER(S463/4A)

bacterial marker Amp

parent vector
Gal93.ER(G)

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts DNA binding domain + dimerization domain of GAL4 (AA 1-93) fused to hormone binding domain (HBD) of human estrogen receptor (hER) (AA 302-595) with point mutation S463A and S464A

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2 and polyA

Comments

Reference - for pSCTEVgal93: see Seipel et al. (1992) EMBO J. 11, 4961.
- this plasmid: Maggiolini et al. (2001) Mol. Pharmacol. 60, 595-602

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.10.06

Constructed by Peter Dudek

Date constructed 05.05

PLASMID NAME

HEG0(R412A)

bacterial marker Amp

parent vector

HEG0

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs
Gal93.ER(R412A), pSG5

Inserts full length wildtype ER (HEG0) with R412A mutation cloned into BamHI and HindIII from Gal93.ER(R412A) vector

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

Reference for pSG5: Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.10.06

Constructed by Peter Dudek

Date constructed 05.05

PLASMID NAME

HEG0(L429A)

bacterial marker Amp

parent vector

HEG0

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Gal93.ER(L429A), pSG5

Inserts full length wildtype ER (HEG0) with L429A mutation cloned into BamHI and HindIII from Gal93.ER(L429A) vector

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

Reference for pSG5: Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

1990

Date entered

8.10.06

Constructed by

Peter Dudek

Date constructed

05.05

PLASMID NAME

HEG0(S433A)

bacterial marker Amp

parent vector

HEG0

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Gal93.ER(S433A), pSG5

Inserts full length wildtype ER (HEG0) with S433A mutation cloned into BamHI and HindIII from Gal93.ER(S433A) vector

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

Reference for pSG5: Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

1992

Date entered

18.10.06

Constructed by

Pierre-André Briand

Date constructed

10/2006

PLASMID NAME

ER α S463/4A

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

HEG0, Gal93.ER(S463/4A)

Inserts human estrogen receptor α (ER) with point mutations S463A and S464A

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

- expression vector replicates in COS cells.
- area around 3' end is: stop - Sac1 - EcoR1 - (BamH1/Bgl2)
- codons 463 and 464 are changed to GCC and GCC, respectively.

Reference for pSG5: Green et al. (1988) NAR 16, 369.

Construct number

1993

Date entered

18.10.06

Constructed by

OpenBiosystems

Date constructed

PLASMID NAME

RHS3979-9576107

alternative name

sh carm B4

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

TRC shRNA construct targeting human CARM1.

Sequence is of shRNA insert is:

CCGGCTATGGGAACTGGGACACTTTCTCGAGAAAGTGTCCAGTTCC
CATAGTTTTT

Reporter gene

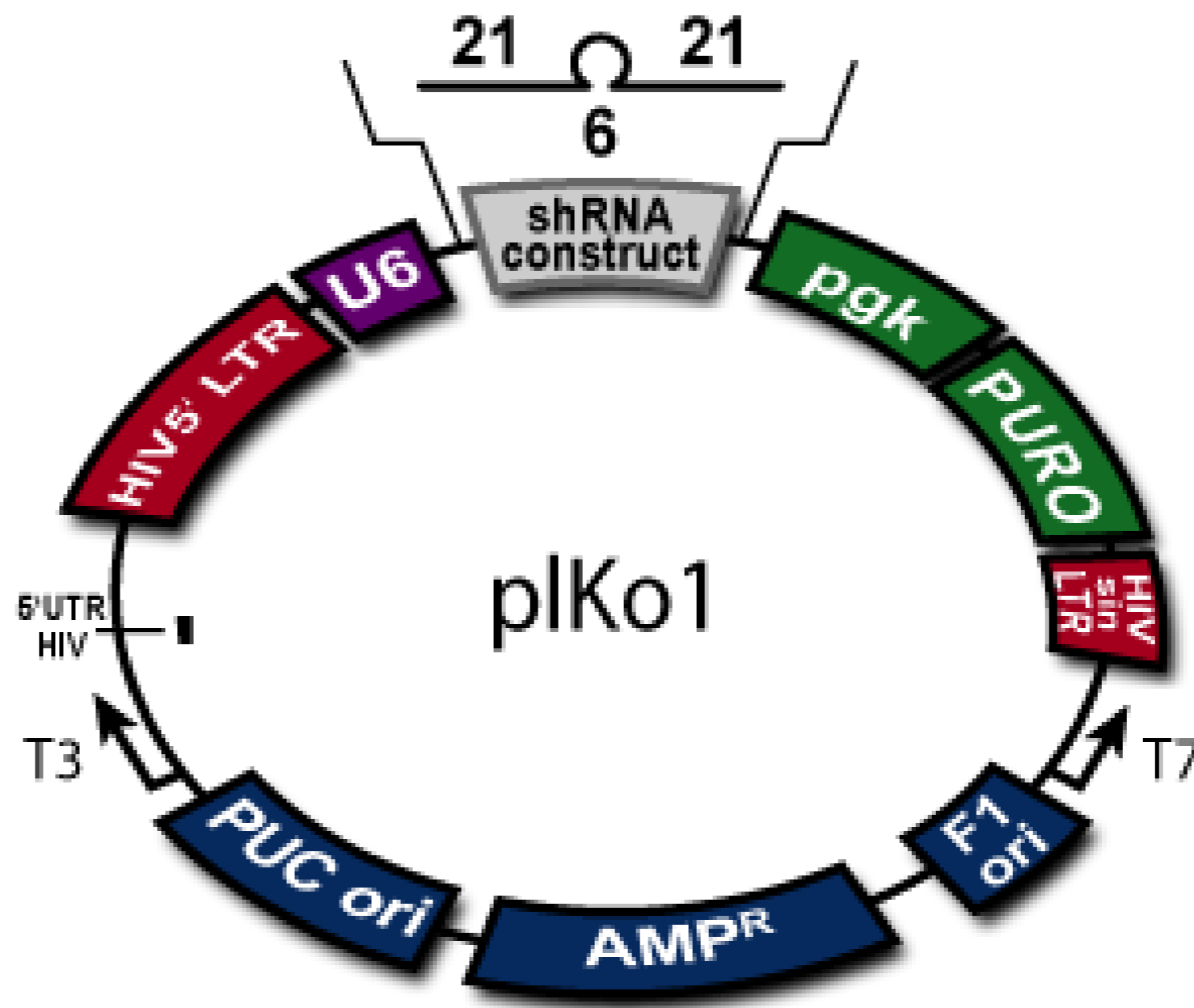
Promoter,
splice,
PolyA

human U6 promoter

Comments

- lentiviral vector
- see www.openbiosystems.com for more details

Reference



Construct number

1994

Date entered

18.10.06

Constructed by

OpenBiosystems

Date constructed

PLASMID NAME

RHS3979-9576108

alternative name

sh carm B5

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

TRC shRNA construct targeting human CARM1.

Sequence is of shRNA insert is:

CCGGCGATTTCTGTTCTTCTACAACCTCGAGTTGTAGAAGGAACAGA
AATCGTTTTT

Reporter gene

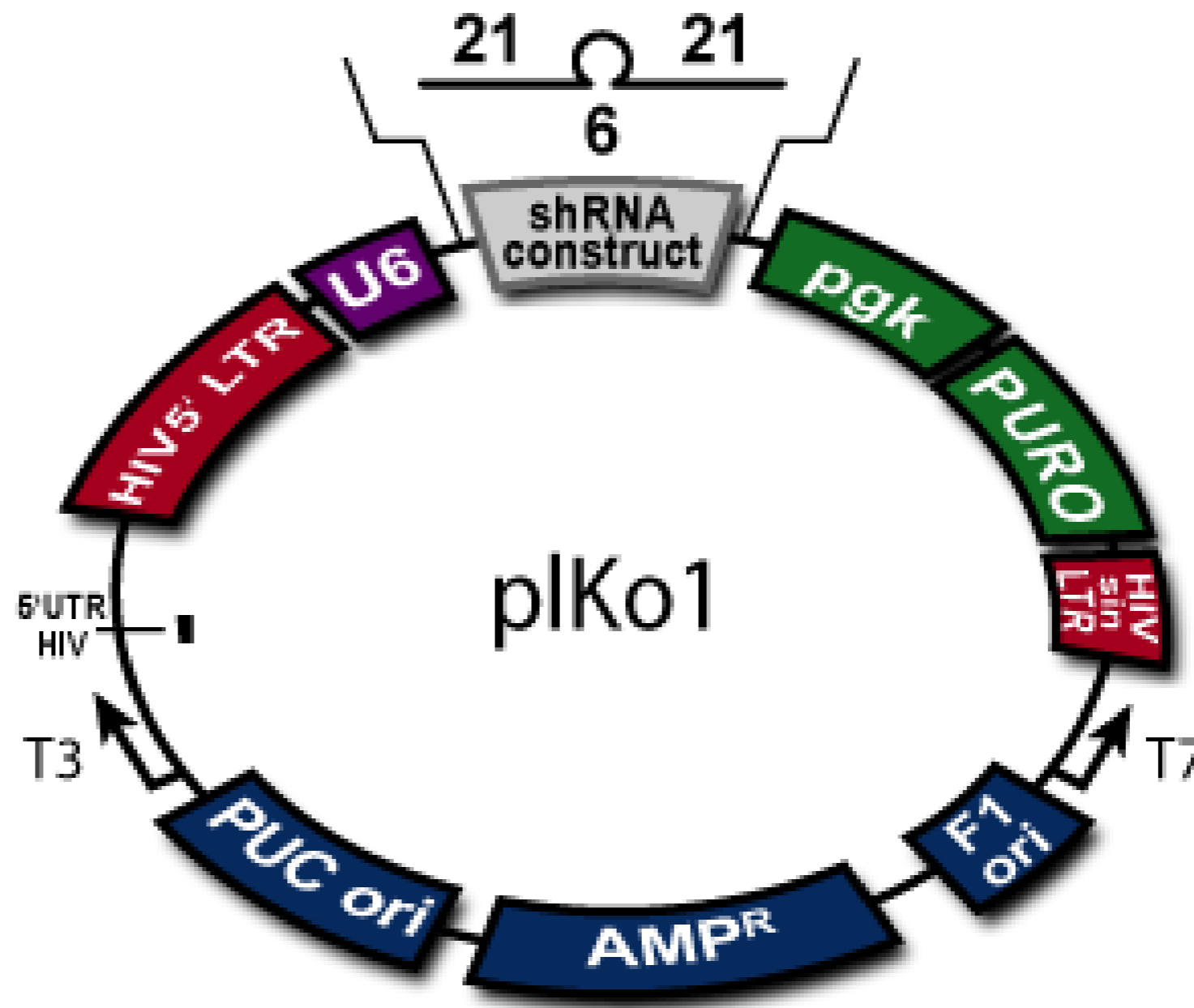
Promoter,
splice,
PolyA

human U6 promoter

Comments

- lentiviral vector
- see www.openbiosystems.com for more details

Reference



Construct number

1995

Date entered

18.10.06

Constructed by

OpenBiosystems

Date constructed

PLASMID NAME

RHS3979-9576110

alternative name

sh CARM B7

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

TRC shRNA construct targeting human CARM1.

Sequence is of shRNA insert is:

CCGGGCAGAACATGATGCAGGACTACTCGAGTAGTCCTGCATCATGT
TCTGCTTTT

Reporter gene

Promoter,
splice,
PolyA

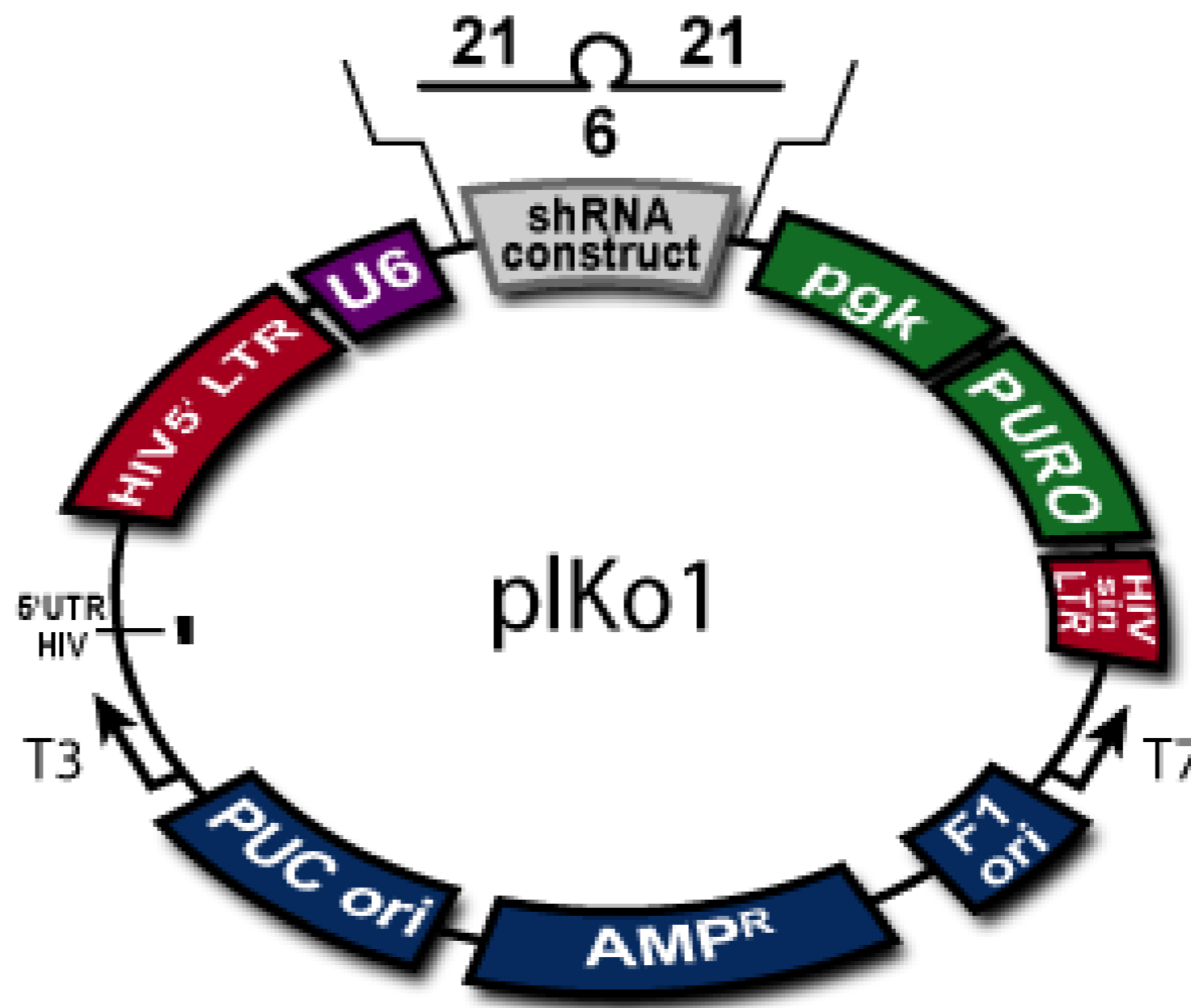
human U6 promoter

Comments

- lentiviral vector
- see www.openbiosystems.com for more details

THE ONE THAT WORKS TO DOWN-REGULATE CARM1!

Reference



Construct number

1996

Date entered

18.10.06

Constructed by

OpenBiosystems

Date constructed

PLASMID NAME

RHS3979-9576111

alternative name

sh CARM B8

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

TRC shRNA construct targeting human CARM1.

Sequence is of shRNA insert is:

CCGGCTATGACTTGAGCAGTGTATCTCGAGATAACACTGCTCAAGT
CATAGTTTTT

Reporter gene

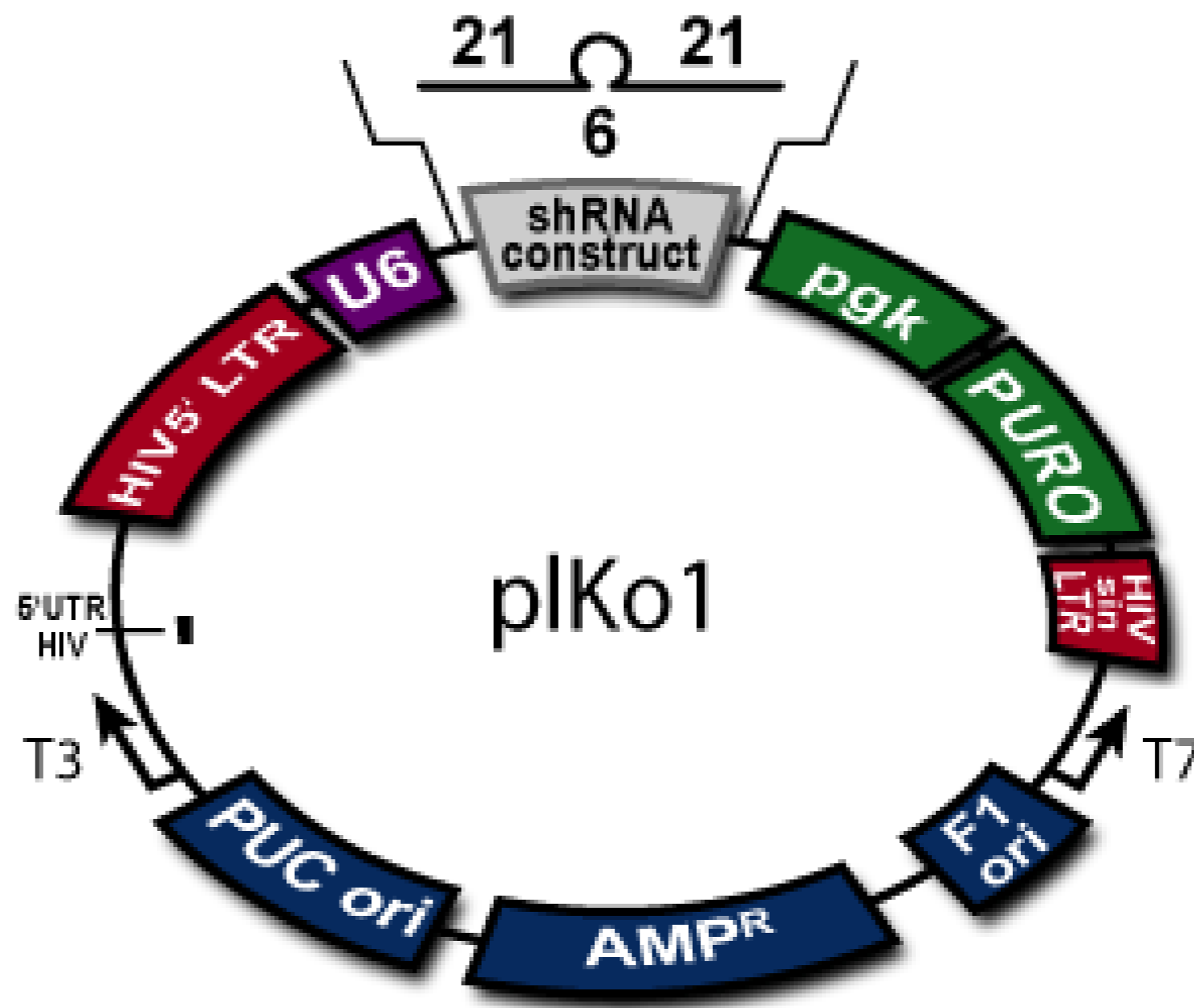
Promoter,
splice,
PolyA

human U6 promoter

Comments

- lentiviral vector
- see www.openbiosystems.com for more details

Reference



Construct number

1997

Date entered

20.10.06

Constructed by

David Engelberg lab

Date constructed

PLASMID NAME

pSTRE-lacZ(TRP1)

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

pLG669Z-178TRP

bacterial plasmid

pBR322

other relevant source constructs

Inserts

STRE sequence from *CTT1* promoter in XhoI site is:

(C)TCGATTCAAGGGGATCACCGGTAAGGGGCAAG(TCGAG)

Reporter gene lacZ

Promoter,
splice,
PolyA

Stress response element (STRE) upstream of minimal *CYC1* promoter
(-178)

Comments - STRE cannot be cut out anymore with XhoI
- URA3 marker incomplete!

Reference Stanhill et al. (1999) MCB 19, 7529

Construct number

1998

Date entered

20.10.06

Constructed by

David Engelberg lab

Date constructed

PLASMID NAME

pLG669Z-178TRP

pΔSS-178(TRP1)

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2μ circle

parent vector

bacterial plasmid

pBR322

other relevant source constructs

Inserts

Reporter gene lacZ

Promoter,
splice,
PolyA minimal *CYC1* promoter (-178)

Comments - enhancer elements can be inserted into unique XhoI site
- URA3 marker incomplete!

Reference Stanhill et al. (1999) MCB 19, 7529

DIDIER PICARD LAB, University of Geneva

Construct number

1999

Date entered

30.10.06

Constructed by

Deo Prakash Pandey

Date constructed

Oct 06

PLASMID NAME

CKF/mGPR30

bacterial marker

Kan

Neo (G418)

SV40 ori

parent vector

CKF

bacterial plasmid

other relevant source constructs

pYes-flag-mGPR30, pCDNA3-mGPR30

Inserts

The insert is same as plasmid nr. 1958. Briefly, mGPR30 was amplified from pcDNA3-mGPR30 with BamHI at both ends and was ligated in frame with Flag at the BamHI in CKF.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

2000

Date entered

15.11.06

Constructed by

Edith Pajot-Augy lab

Date constructed

PLASMID NAME

pRHF-luc

bacterial marker Amp

yeast marker TRP1

parent vector

bacterial plasmid

other relevant source constructs

Inserts luciferase cDNA (Photinus pyralis) placed downstream the FUS1 promoter

Reporter gene luciferase

Promoter,
splice,
PolyA FUS1

Comments

Reference Minic J. et al (2005) Functional expression of olfactory receptors in yeast and development of a bioassay for odorant screening. FEBS J. 2005 Jan;272(2):524-37.
Crowe ML. et al (2000) Golf complements a GPA1 null mutation in Saccharomyces cerevisiae and functionally couples to the STE2 pheromone receptor. J Recent Signal Transduct Res. 2000 Jan;20(1):61-73.

Construct number

2001

Date entered

15.11.06

Constructed by

Edith Pajot-Augy lab

Date constructed

PLASMID NAME

pRGP-G α 15

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

pUC

other relevant source constructs

Inserts mammalian Galpha15

Reporter gene

Promoter,
splice,
PolyA GPA1 promoter and terminator

Comments

Reference Minic J. et al (2005) FEBS J. 2005 Jan;272(2):524-37.

Crowe ML. et al (2000) J Recept Signal Transduct Res. 2000 Jan;20(1):61-73.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 21.11.06

Constructed by Mizukami lab, Yamaguchi

Date constructed

PLASMID NAME

3xFLAG-ratGPR30

bacterial marker Amp+Kan

vertebrate marker Neo (G418)

parent vector
p3xFLAG-CMV-10

bacterial plasmid
pBR322

other relevant source constructs

Inserts The ratGPR30 orf was inserted between restriction sites HindIII and BamHI. Look at the map in the folder.

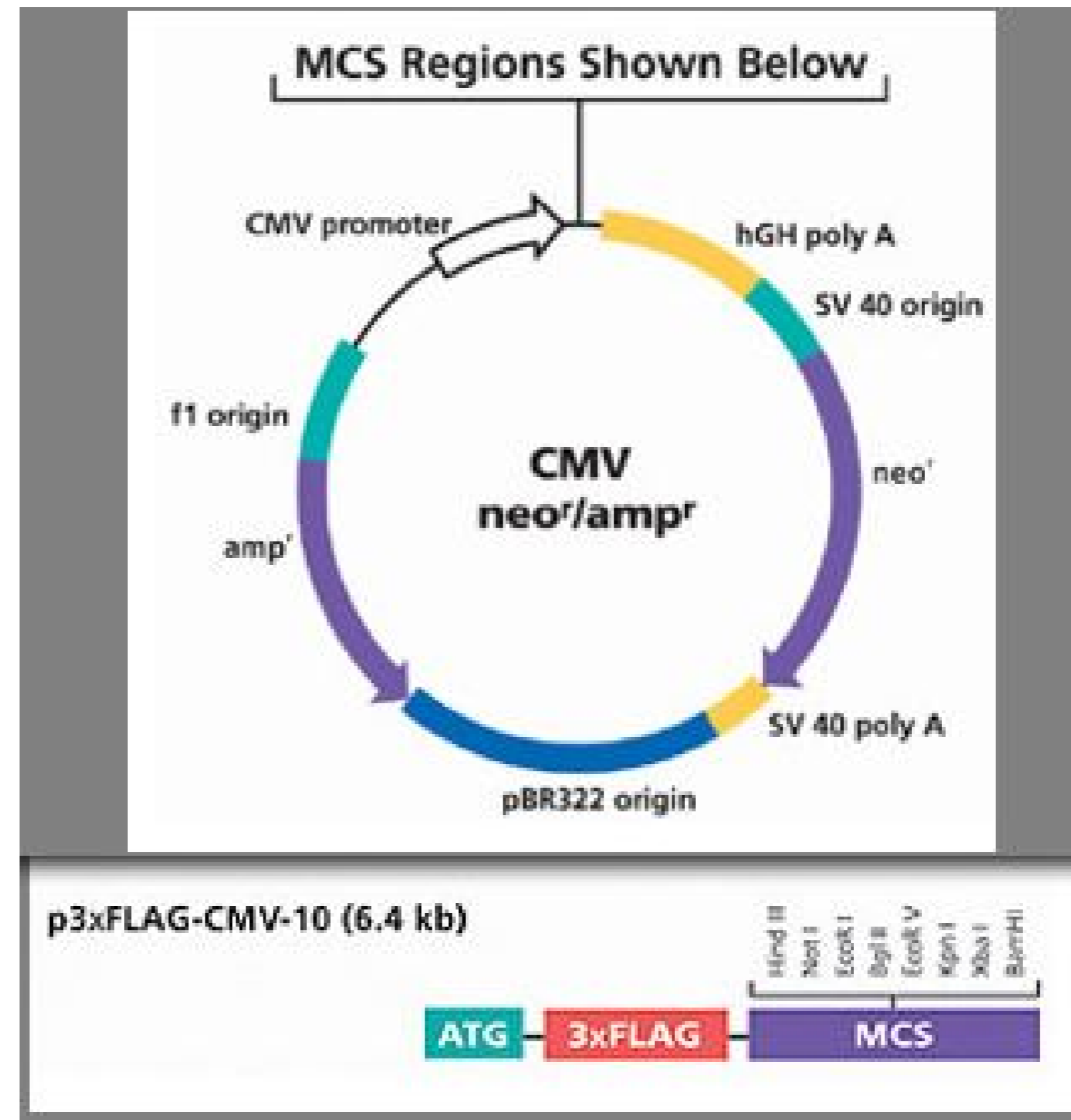
Reporter gene

Promoter, CMV
splice, fGH polyA
PolyA

Comments In rat, GPR30 is called GPR41.

Sequence of p3xFLAG-CMV-10 without any inserts is available.

Reference Kimura M, Mizukami Y, Miura T, Fujimoto K, Kobayashi S, Matsuzaki M., **2001**. Orphan G protein-coupled receptor, GPR41, induces apoptosis via a p53/Bax pathway during ischemic hypoxia and reoxygenation. J Biol Chem. 276(28):26453-60



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.11.06

Constructed by Deo Prakash Pandey

Date constructed Aug 2006

PLASMID NAME

pGL3.UTR2n

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

pGL3-CMV.luc, pfGH.ER3'UTR, pGL3.3'UTR

Inserts

Second subfragment of 3'UTR of hER-alpha was amplified from pfGH.3'UTR with *speI* at both ends, sub-cloned into BS(+) and then, the fragment was recloned into pGL3-CMV.luc at the *XbaI* site.

Insert contains: 1501-2800 bp. Reference: Last exon ESR1

This is the **UTR2** construct.

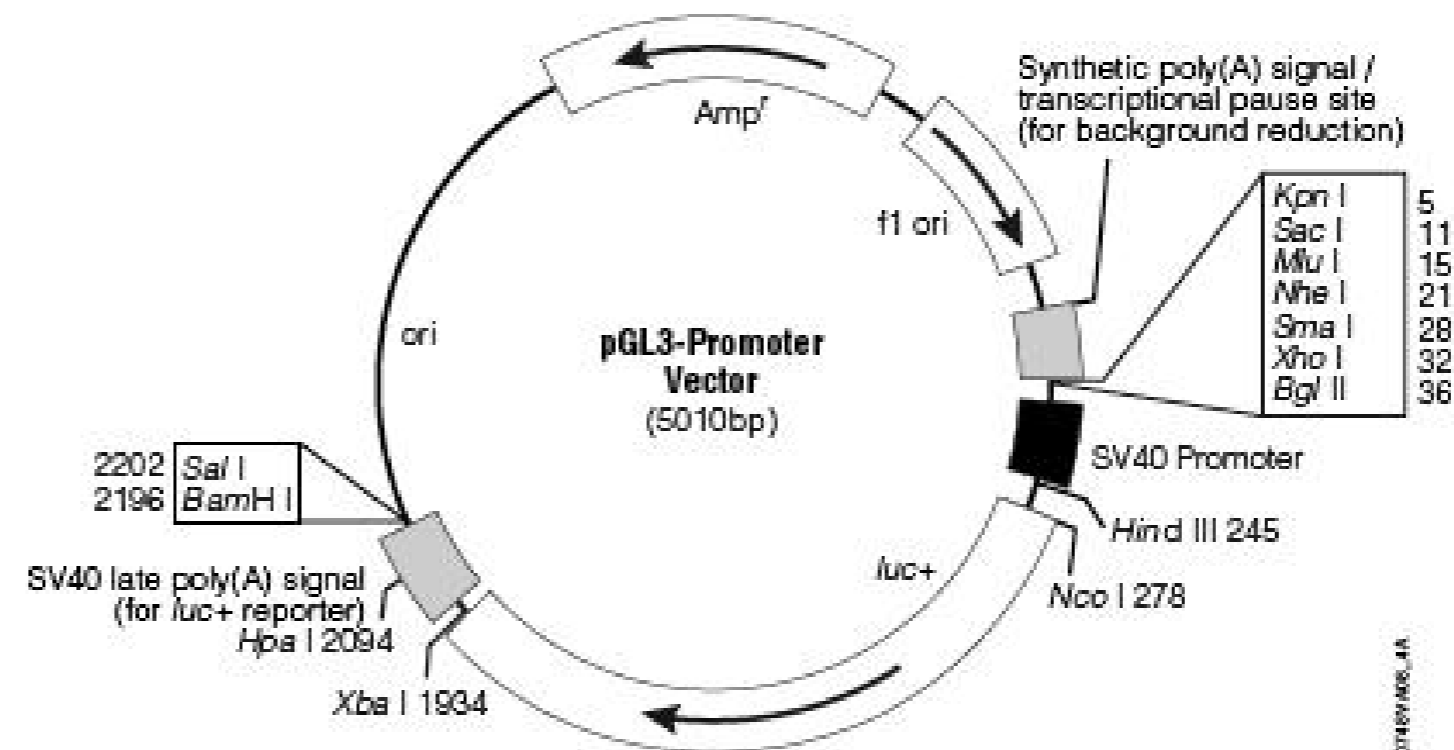
Reporter gene

Promoter, splice, PolyA CMV

Comments Please note that *XbaI* site is destroyed.

Sequence as well as primers are available.

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



Construct number

2005

Date entered

28.11.06

Constructed by

Ron Evans' lab

Date constructed

PLASMID NAME

Gal4-VDR-LBD

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pCMX

bacterial plasmid

pUC19

other relevant source constructs

Inserts

Gal4 DNA binding domain (DBD) fused to human VDR ligand binding domain (LBD)

Reporter gene

Promoter,
splice,
PolyA

- CMV enhancer/promoter
- T7 promoter
- SV40 small t intron and polyA
- also contains polyoma enhancer/origin

Comments

- probably contains aa 1-147 of Gal4
- VDR LBD cloned into HindIII/NheI site
- plasmid received from David Moore's lab

Reference

Construct number

2006

Date entered

28.11.06

Constructed by

received from D.D. Moore's lab

Date constructed

PLASMID NAME

Gal4-RXR α -LBD

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pCMX

bacterial plasmid

pUC19

other relevant source constructs

Inserts

Gal4 DNA binding domain (DBD) fused to human RXR α ligand binding domain (LBD)

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - T7 promoter
PolyA - SV40 small t intron and polyA
- also contains polyoma enhancer/origin

Comments - probably contains aa 1-147 of Gal4

Reference

Construct number

2007

Date entered

28.11.06

Constructed by

David Mangelsdorf's lab

Date constructed

PLASMID NAME

Gal4-PPAR α -LBD

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pCMX

bacterial plasmid

pUC19

other relevant source constructs

Inserts

Gal4 DNA binding domain (DBD) fused to mouse PPAR α ligand binding domain (LBD)

Reporter gene

Promoter,
splice,
PolyA

- CMV enhancer/promoter
- T7 promoter
- SV40 small t intron and polyA
- also contains polyoma enhancer/origin

Comments

- probably contains aa 1-147 of Gal4
- received from David Moore's lab

Reference

Construct number

2008

Date entered

28.11.06

Constructed by

Ron Evans' lab

Date constructed

PLASMID NAME

Gal4-RAR α -LBD

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pCMX

bacterial plasmid

pUC19

other relevant source constructs

Inserts

Gal4 DNA binding domain (DBD) fused to human RAR α ligand binding domain (LBD)

Reporter gene

Promoter,
splice,
PolyA

- CMV enhancer/promoter
- T7 promoter
- SV40 small t intron and polyA
- also contains polyoma enhancer/origin

Comments

- probably contains aa 1-147 of Gal4
- RAR LBD cloned into HindIII/NheI site
- plasmid received from David Moore's lab

Reference

Construct number

2009

Date entered

28.11.06

Constructed by

D.D. Moore's lab

Date constructed

PLASMID NAME

Gal4-FXR-LBD

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pCMX

bacterial plasmid

pUC19

other relevant source constructs

Inserts

Gal4 DNA binding domain (DBD) fused to mouse FXR ligand binding domain (LBD)

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - T7 promoter
PolyA - SV40 small t intron and polyA
- also contains polyoma enhancer/origin

Comments - probably contains aa 1-147 of Gal4
- LBD cloned into KpnI/BamHI site

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 2010

Date entered 6.12.06

Constructed by Deo Prakash Pandey

Date constructed Aug 2006

PLASMID NAME

pSR.siESR1

bacterial marker Amp

vertebrate marker Puromycin

parent vector
pSuper-Retro

bacterial plasmid

other relevant source constructs

Inserts antisense oligo targeting Estrogen receptor alpha was cloned into pSR to be expressed as an shRNA. pSR was cut with BglII and XhoI. The targeting sequence is same as in reference

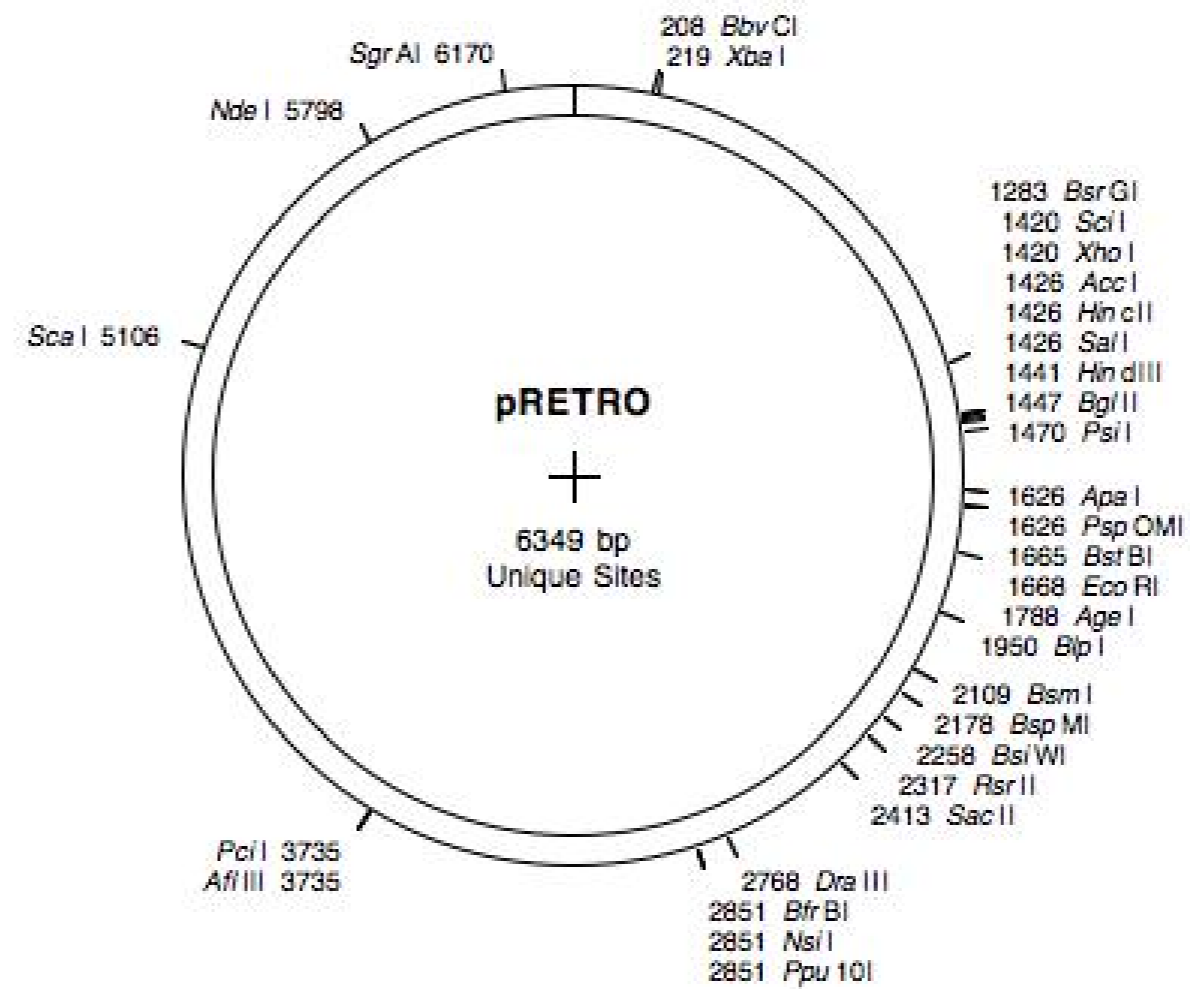
shESR1: **TCAAGGACATAACGACTAT**

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference sequence taken from: Matthews et al, 2005, MBC



Construct number 2011
Constructed by Stallcup Lab

Date entered 7.12.06
Date constructed

PLASMID NAME

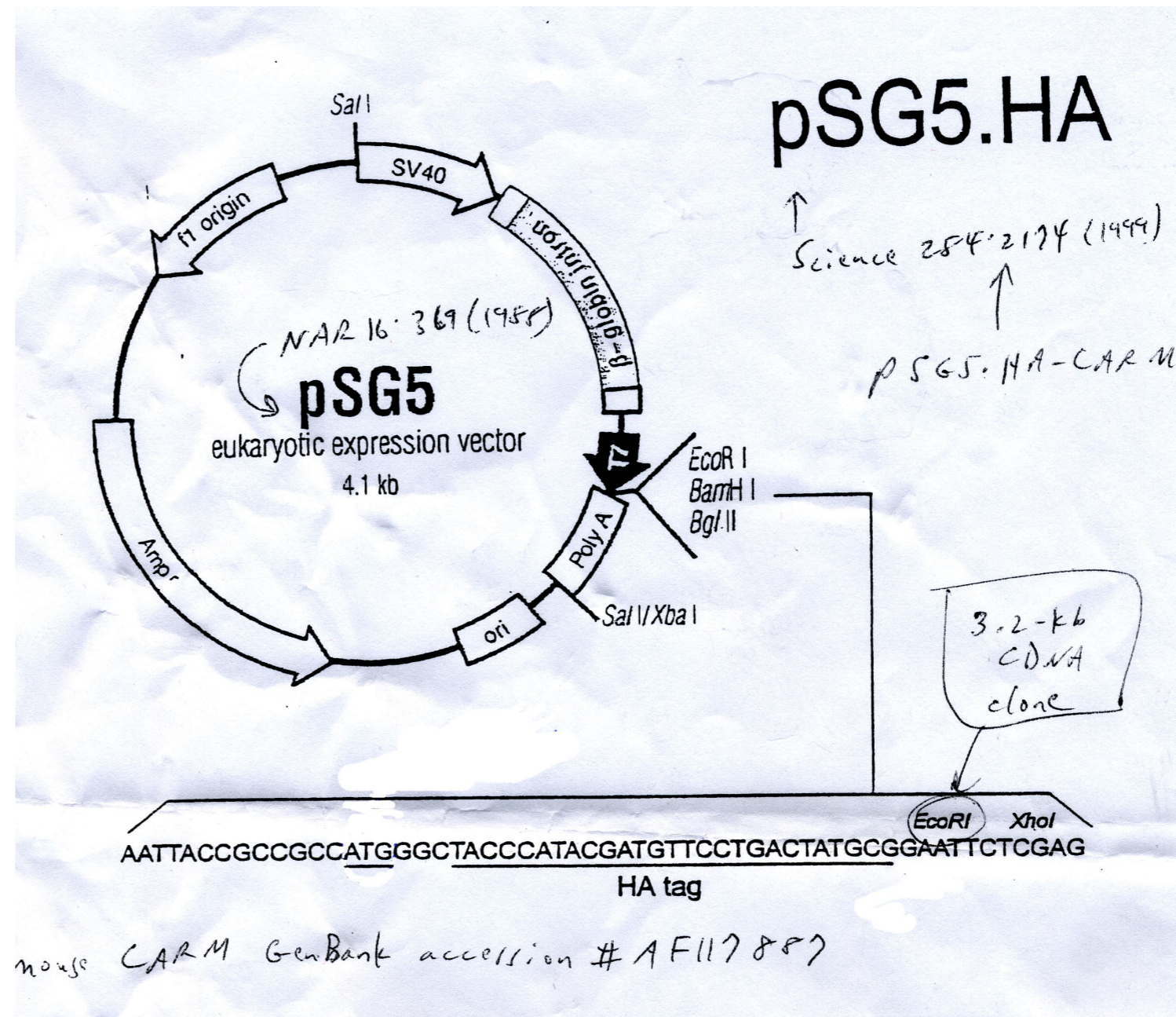
pSG5-HA-CARM1

bacterial marker Amp	parent vector pSG5-HA bacterial plasmid
eucaryotic replicon SV40 ori	other relevant source constructs

Inserts	full length mouse CARM1, N-terminally HA-tagged
Reporter gene	
Promoter, splice, PolyA	- SV40 early promoter - T7 promoter

Comments - HA epitope is that of 12CA5
- note that 3' UTR is shorter by 1100 bp than indicated in publication and maps by Stallcup lab. See layout "sequence" for details on that portion.

Reference Chen et al. (1999) Science 284, 2174.



Construct number

2012

Date entered

7.12.06

Constructed by

Stallcup Lab

Date constructed

PLASMID NAME

pSG5-HA-CARM1(E267Q)

bacterial marker Amp

parent vector

pSG5-HA-CARM1

bacterial plasmid

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts full length mouse CARM1 with E267Q mutation (HMT activity abolished),
N-terminally tagged with HA

Reporter gene

Promoter, - SV40 early
splice, - T7 promoter
PolyA

Comments - HA epitope is that of 12CA5
- note that 3' UTR is shorter by 1100 bp than indicated in publication and
maps by Stallcup lab. See pSG5-HA-CARM1 for more details.

Reference Lee et al. (2002) MCB 22, 3621.

DIDIER PICARD LAB, University of Geneva

Construct number

2013

Date entered

18.12.06

Constructed by

Deo Prakash Pandey

Date constructed

PLASMID NAME

3xFLAG-hGPR30

alternative name

F-GPER1

bacterial marker Amp

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

p3xFLAG-CMV-10

bacterial plasmid

pBR322

other relevant source constructs

p3xFLAG-ratGPR30

Inserts

The human GPR30 orf was inserted between restriction sites HindIII and BamHI in 3xFLAG. Look at the map in the folder.

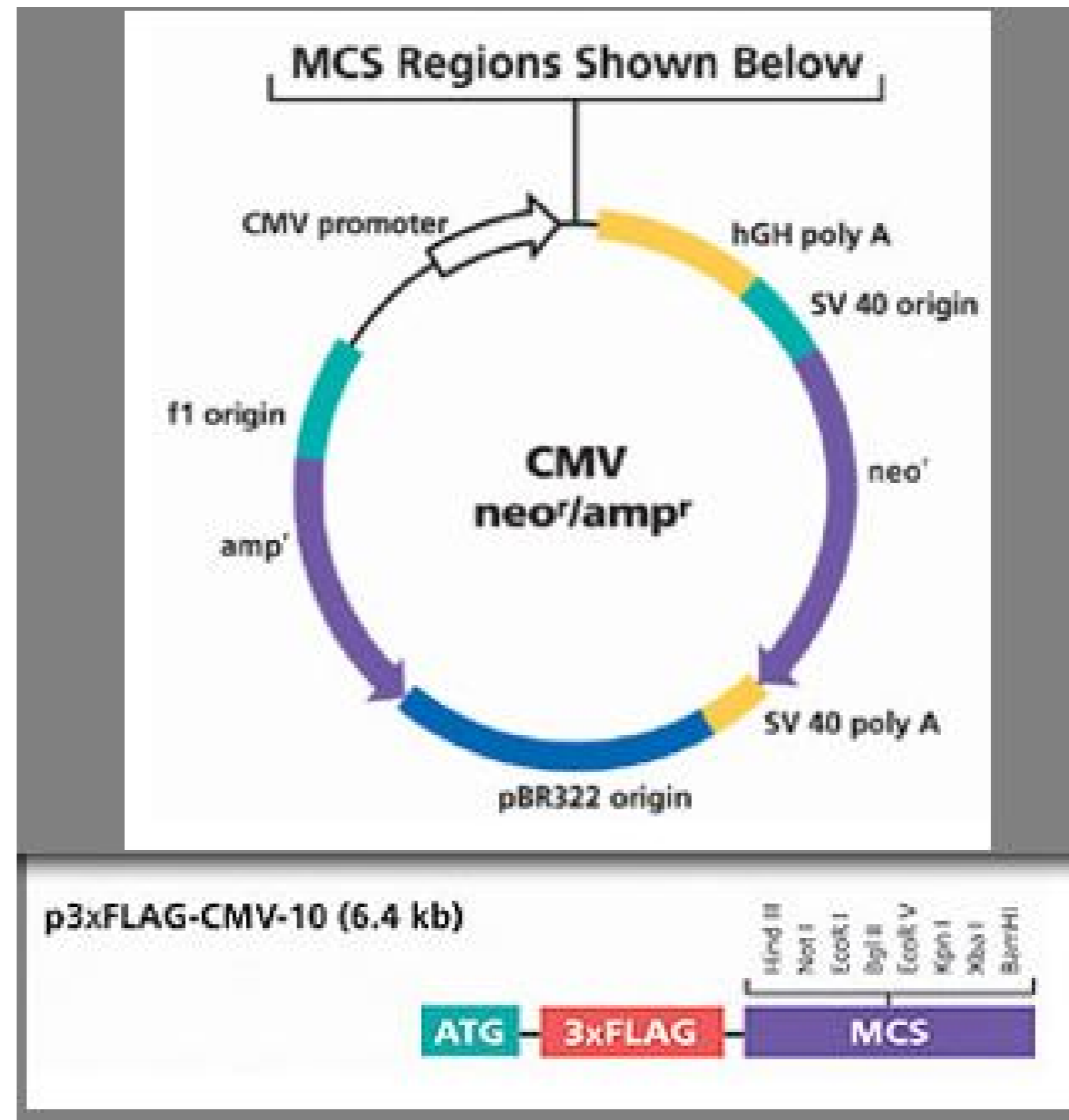
Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Albanito L, Sisci D, Aquila S, Brunelli E, Vivacqua A, Madeo A, Lappano R, Pandey DP, Picard D, Mauro L, Andò S, Maggiolini M (2008) EGF induces GPR30 expression in estrogen receptor-negative breast cancer cells. *Endocrinology* 149: 3799-3808



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.12.06

Constructed by Deo Prakash Pandey

Date constructed

PLASMID NAME

3xFLAG-mGPR30

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector
p3xFLAG-CMV-10

bacterial plasmid
pBR322

other relevant source constructs
p3xFLAG-ratGPR30

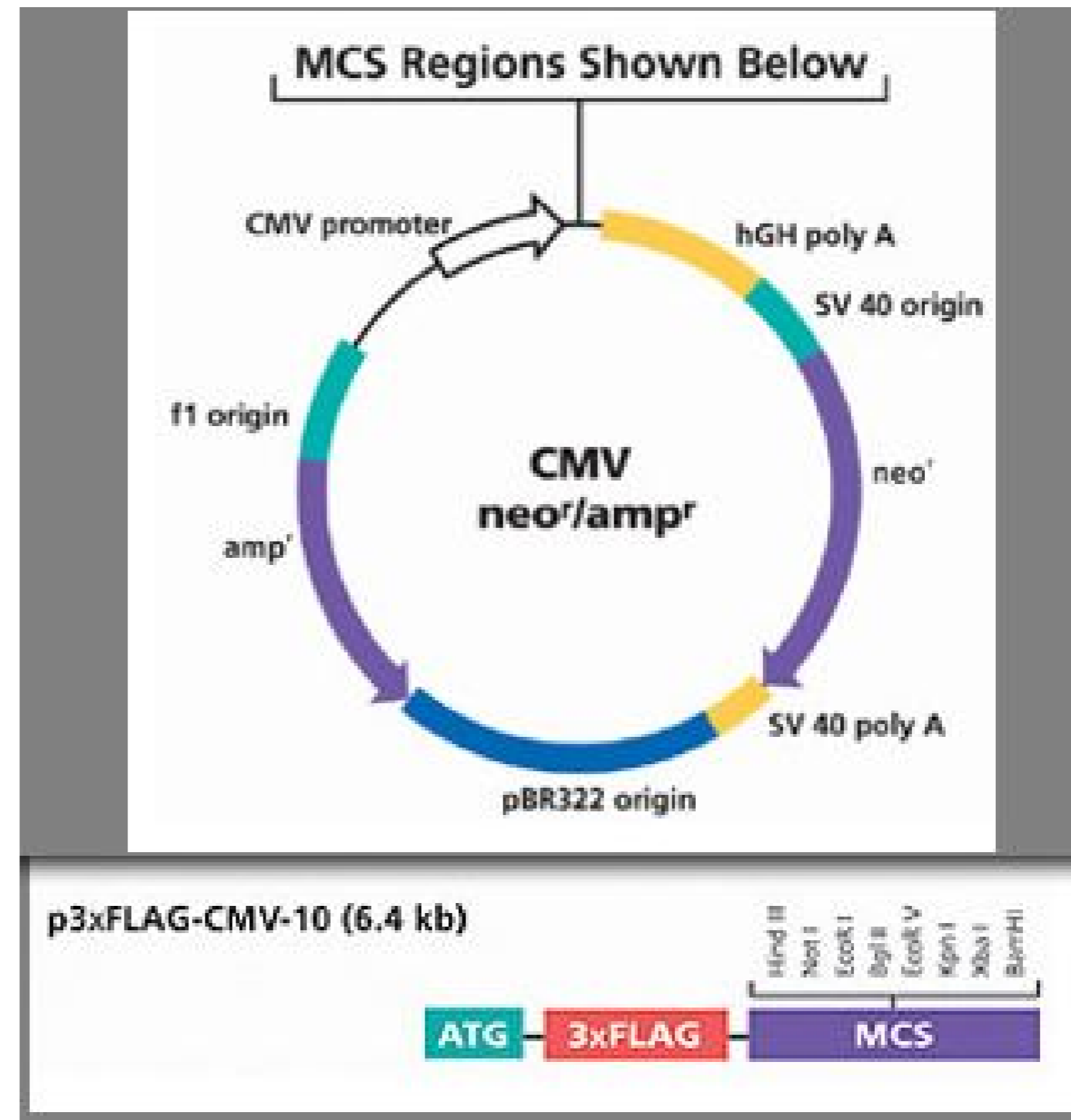
Inserts The mouse GPR30 orf was inserted between restriction sites HindIII and BamHI in 3xFLAG. Look at the map in the folder.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Expression confirmed with Western.



Construct number

2015

Date entered

18.12.06

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 19.12.06

Constructed by Sophie Carascossa

Date constructed

PLASMID NAME

pYes-Flag-MNAR(1-189)

bacterial marker Amp

yeast marker URA3

2 μ circle

parent vector

pYes

bacterial plasmid

other relevant source constructs

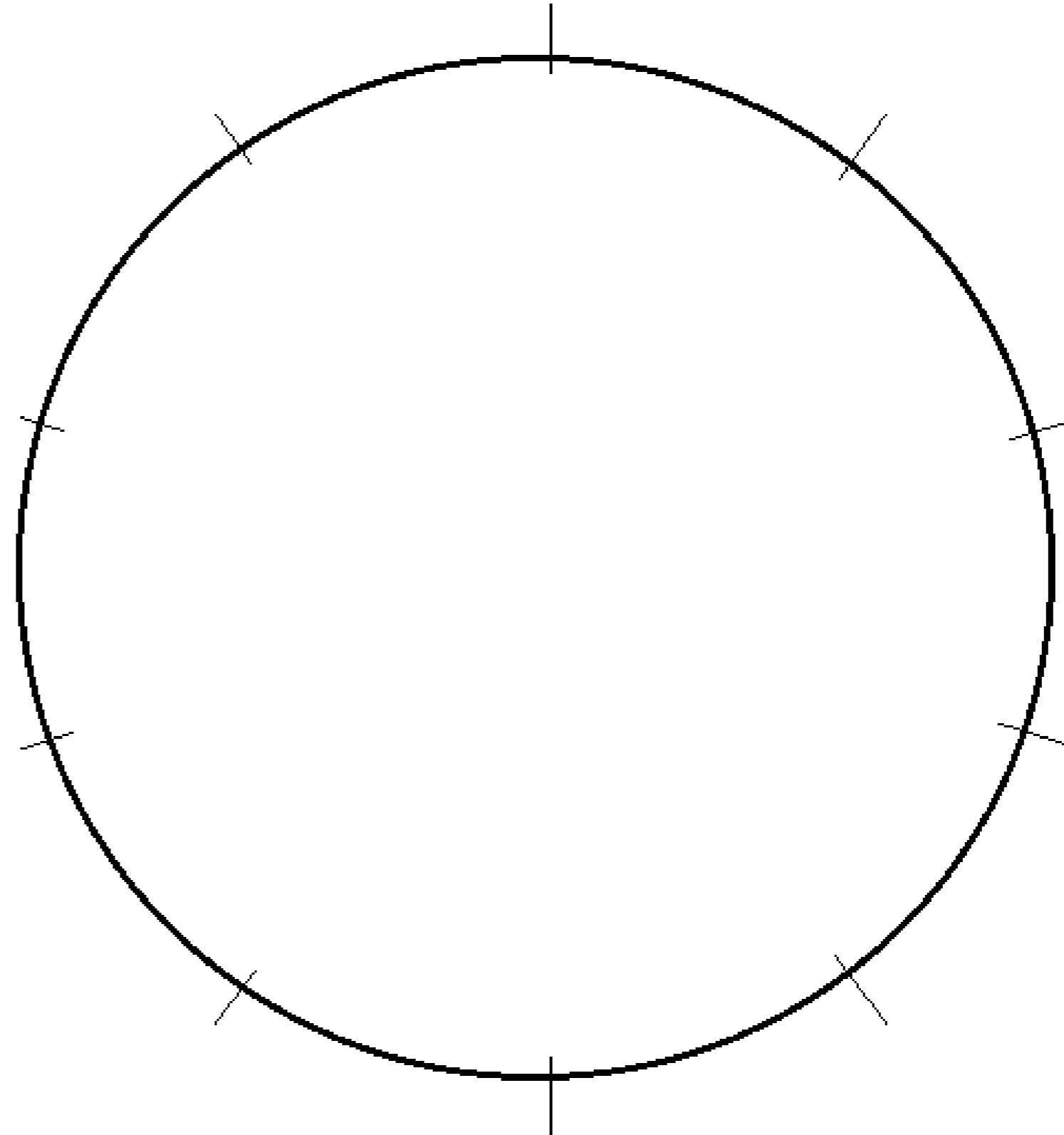
Inserts Flag-MNAR(1-189) (from p2HG-Flag-MNAR1-189) cloned into pYes at BamHI site

Reporter gene

Promoter, GAL1
splice,
PolyA

Comments

Reference



Construct number

2017

Date entered

21.12.06

Constructed by

Lee lab (HGTI/HMS)

Date constructed

PLASMID NAME

pHAGE-fEF1a-IZsGreen

alternative name

clone ID = EvNO00061604, also pHEMIZG

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts

Lentiviral vector with internal EF1a promoter - cloning sites - IRES-ZsGreen

Reporter gene

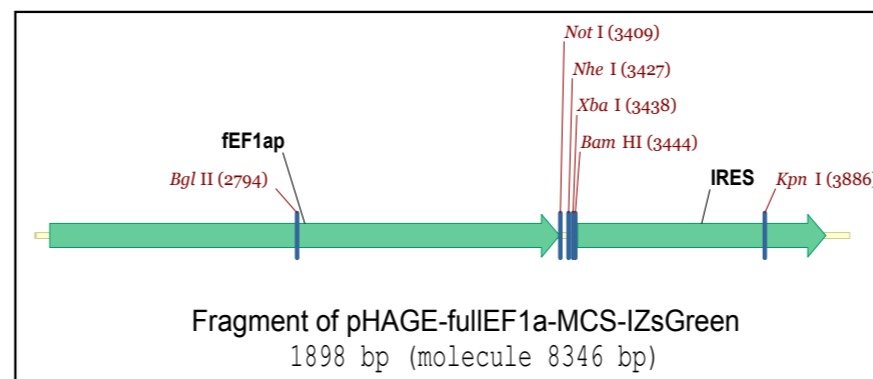
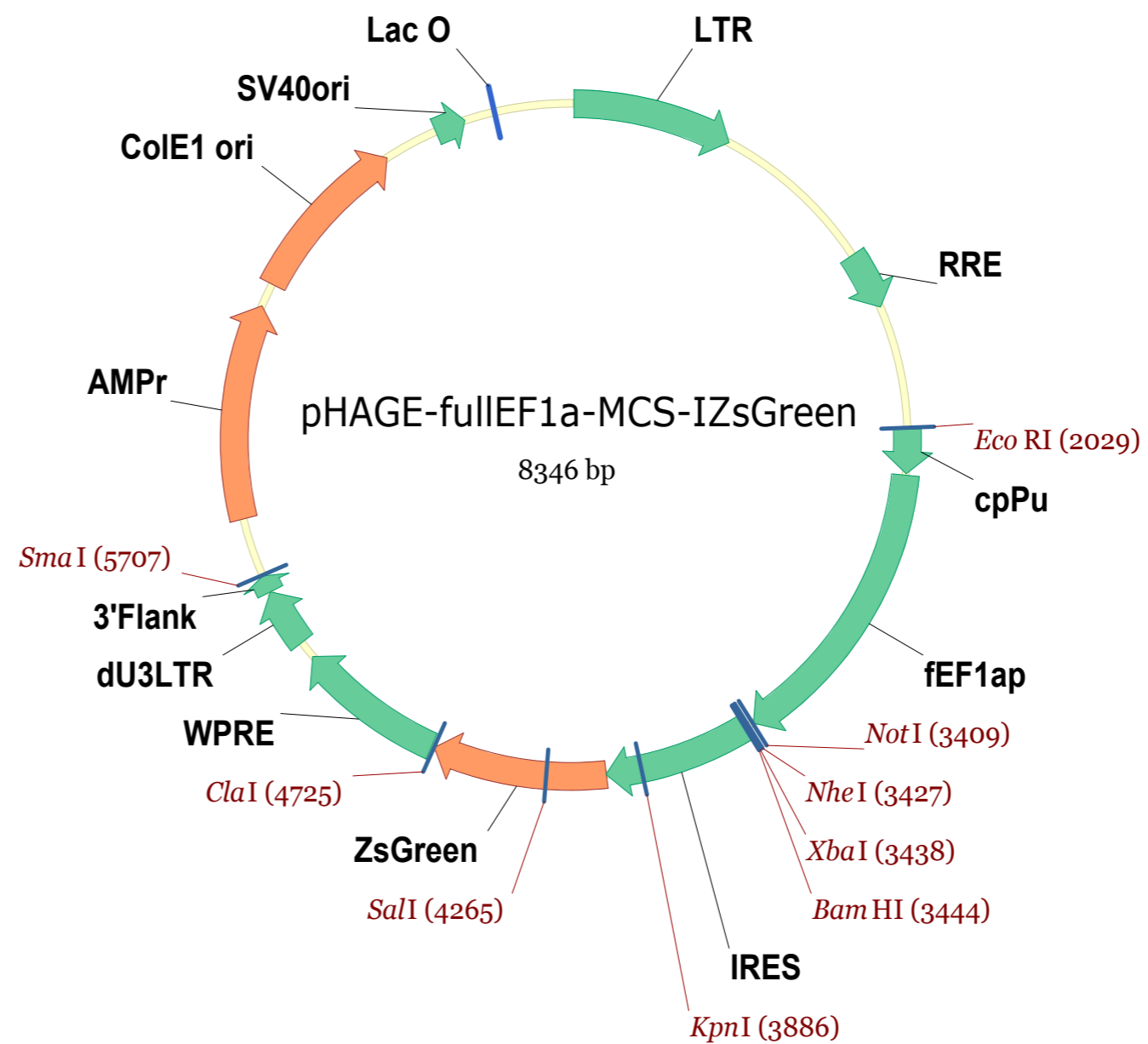
Promoter, splice, PolyA long version of EF1a promoter

Comments

- received from <http://plasmid.hms.harvard.edu>
- ZsGreen like GFP but brighter
- complete sequence available

Reference

<http://plasmid.med.harvard.edu/PLASMID/GetVectorDetail.do?vectorid=233>



Construct number

2018

Date entered

21.12.06

Constructed by

Lee lab (HGTI/HMS)

Date constructed

PLASMID NAME

pHAGE-sEF1a-IZsGreen-W

alternative name

clone ID = EvNO00061636

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts

Lentiviral vector with internal EF1a promoter - cloning sites - IRES-ZsGreen

Reporter gene

Promoter,
splice,
PolyA short version of EF1a promoter

Comments

- received from <http://plasmid.hms.harvard.edu>
- ZsGreen like GFP but brighter
- complete sequence available

Reference

Construct number

2019

Date entered

21.12.06

Constructed by

Lee lab (HGTI/HMS)

Date constructed

PLASMID NAME

pHAGE-UBC-IZsGreen-W

alternative name

clone ID = EvNO00061637

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts

Lentiviral vector with internal UBC promoter - cloning sites - IRES-ZsGreen

Reporter gene

Promoter,
splice,
PolyA UBC promoter

Comments

- received from <http://plasmid.hms.harvard.edu>
- ZsGreen like GFP but brighter
- complete sequence available

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.12.06

Constructed by Pierre-André Briand

Date constructed 12.2006

PLASMID NAME

pcDNA/HA-GST

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA/HA-p23

bacterial plasmid

pUC

other relevant source constructs

Inserts HA tag fused to GST

Reporter gene

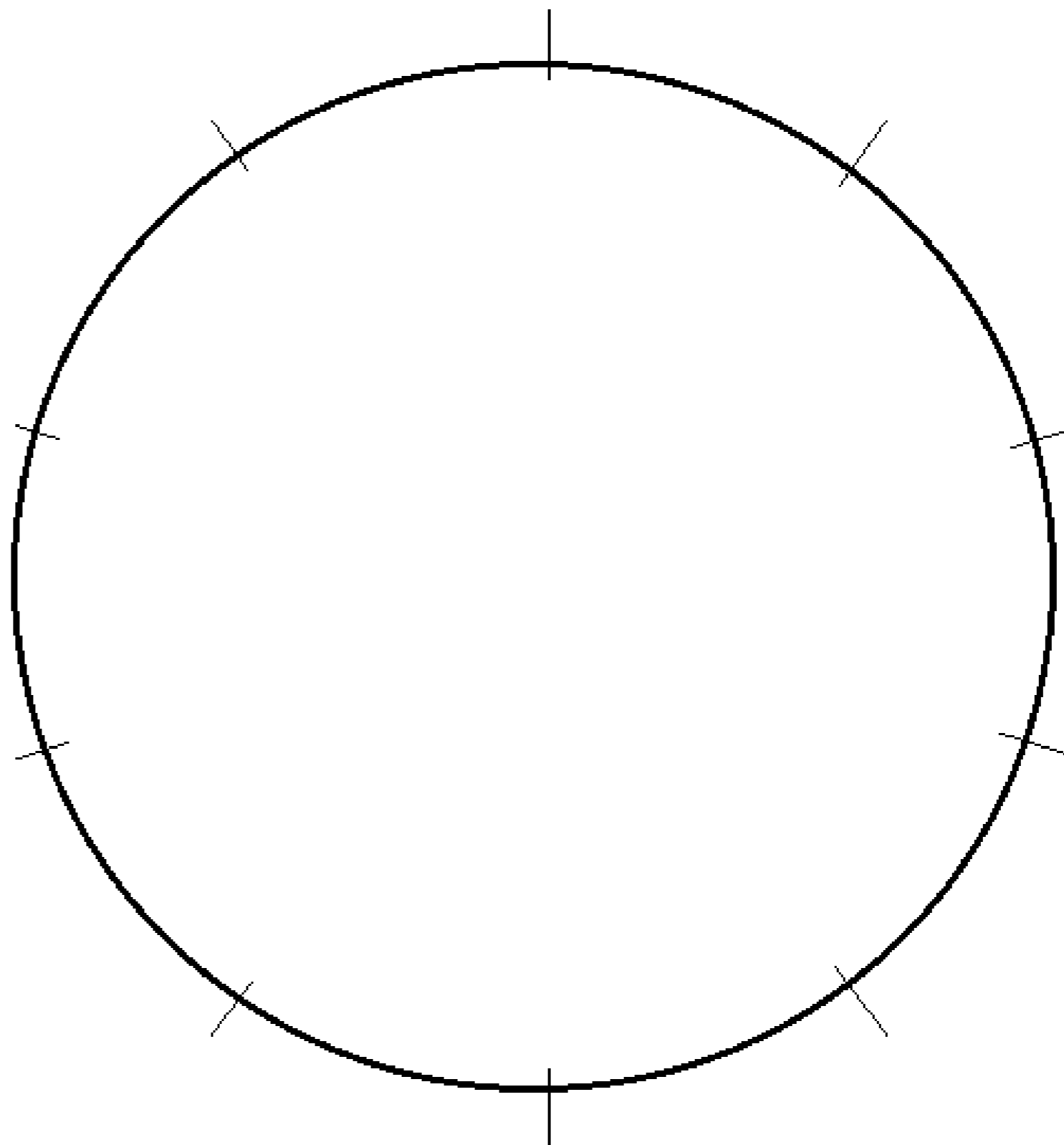
Promoter,
splice,
PolyA

- CMV promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments

- tag is MQDLPGNDNSTAG, **not** 12CA5 epitope
- sequence available
- **Although sequence is correct (re-seq. on 2014), no GST nor HA-tags detected by western-blots!**

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.12.06

Constructed by Pierre-André Briand

Date constructed 12.2006

PLASMID NAME

hAARSD1LΔC

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA3/HA-p23

bacterial plasmid

pUC

other relevant source constructs

IMAGE:2823004

Inserts HA tag fused to 114 N-terminal amino acids of human AARSD1 ("alanyl-tRNA synthetase containing 1").

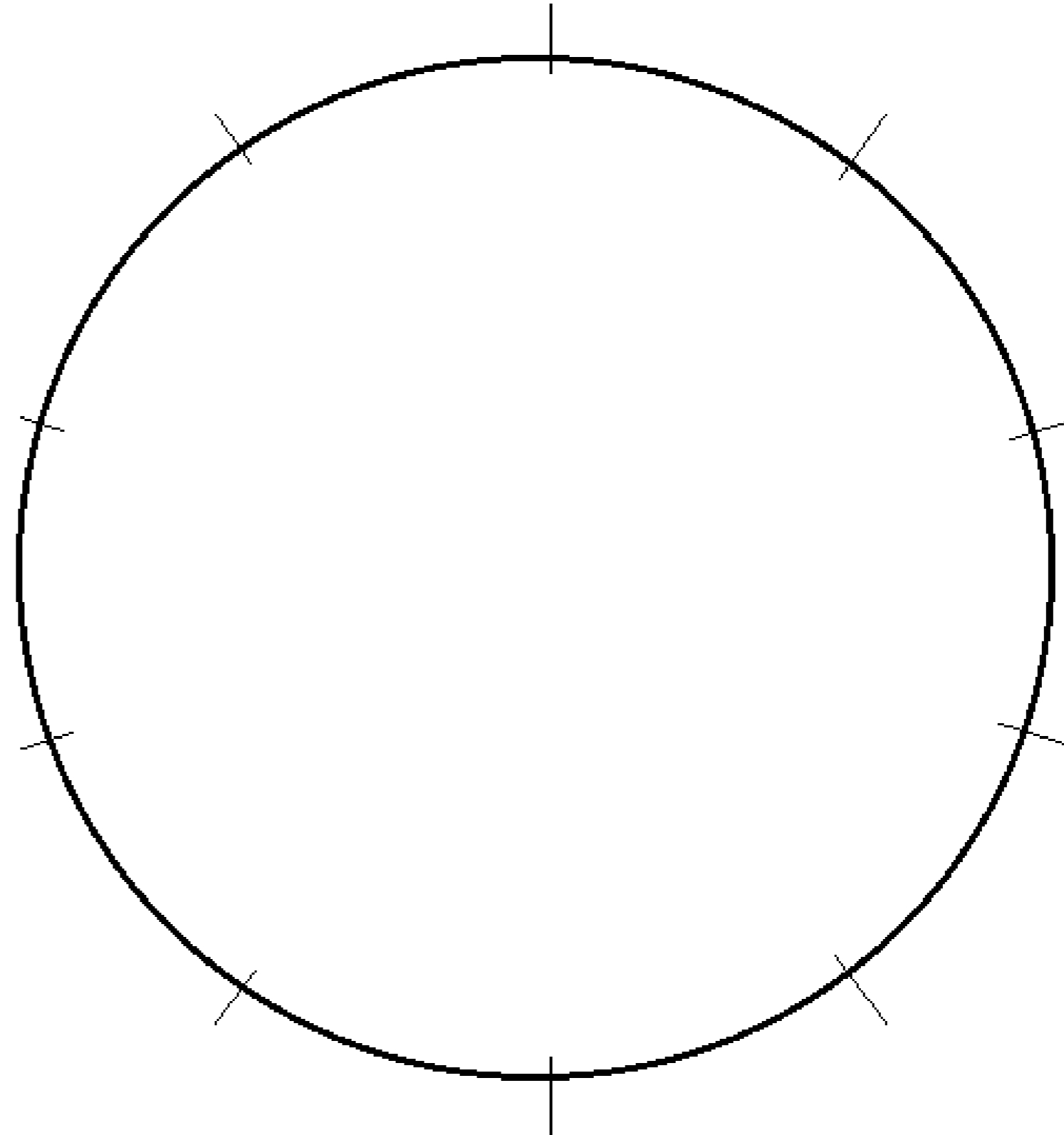
Reporter gene

Promoter,
splice,
PolyA

- CMV promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments - tag is MQDLPGNDNSTAG, **not** 12CA5 epitope
- sequence of AARSD1L moiety is available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 2022

Date entered 22.12.06

Constructed by Pierre-André Briand

Date constructed 12.2006

PLASMID NAME

pLUbip23

bacterial marker Amp

parent vector
FUGW

bacterial plasmid
?

other relevant source constructs
pLmp23

Inserts lentiviral vector for ubiquitous expression of mouse p23.

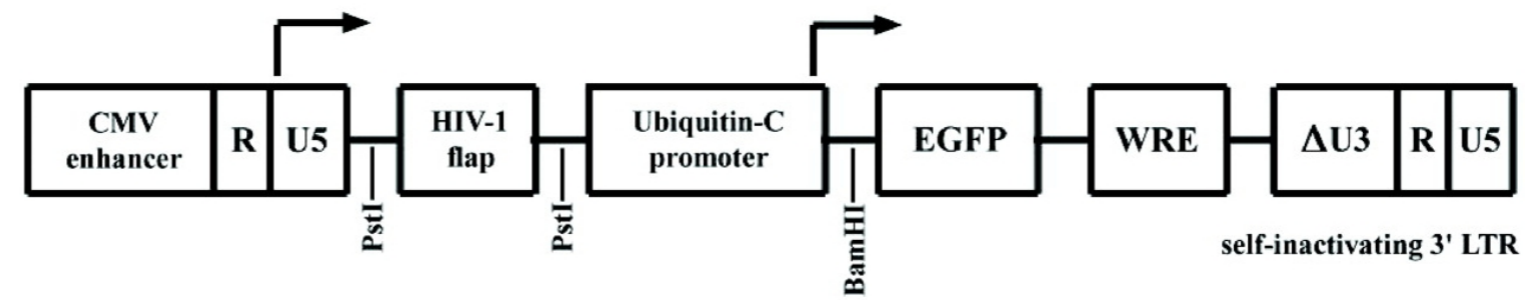
Reporter gene

Promoter, splice, PolyA human ubiquitin C promoter

Comments

- packaging vector for lentiviruses.
- p23 ORF is in BamHI site with its own AUG and stop codon.
- EGFP should not be expressed.

Reference for vector FUGW: Lois et al. (2002) Science 295, 868



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 2.1.07

Constructed by Marie-Pierre Péli-Gulli and Diana

Date constructed 12.06

PLASMID NAME

pRS313 GPD Flag hsHsp90a

alternative name

pHGF/HsHsp90a

bacterial marker Amp

parent vector

1701

bacterial plasmid

yeast marker HIS3

other relevant source constructs

1620

eucaryotic replicon CEN/ARS

Inserts

FLAG-hsHsp90alpha

PCR amplification of a 500bp fragment using primers OMG3 (BamHI, no ATG) and OMG4 (Bpu10I) and 1701 (hsHsp90 alpha) as template. The resulting BamHI-Bpu10I fragment has no ATG, the BamHI site being in frame with the BamHI site in the Flag tag from 1620 (pLG-Flag::OAF1).

Subcloning of this BamHI-Bpu10I fragment along with a NotI BamHI fragment from 1620 (containing the GPD + Flag) into 1701 digested with NotI and Bpu10I.

The sequence amplified by PCR was verified and is OK.

OMG3: GCCGGATCCAACCTGAGGAAACCCAGACCCAAGAC

OMG4: CCCTGCTGAGGACTCCAAGCGTACTGCTCATC

Reporter gene

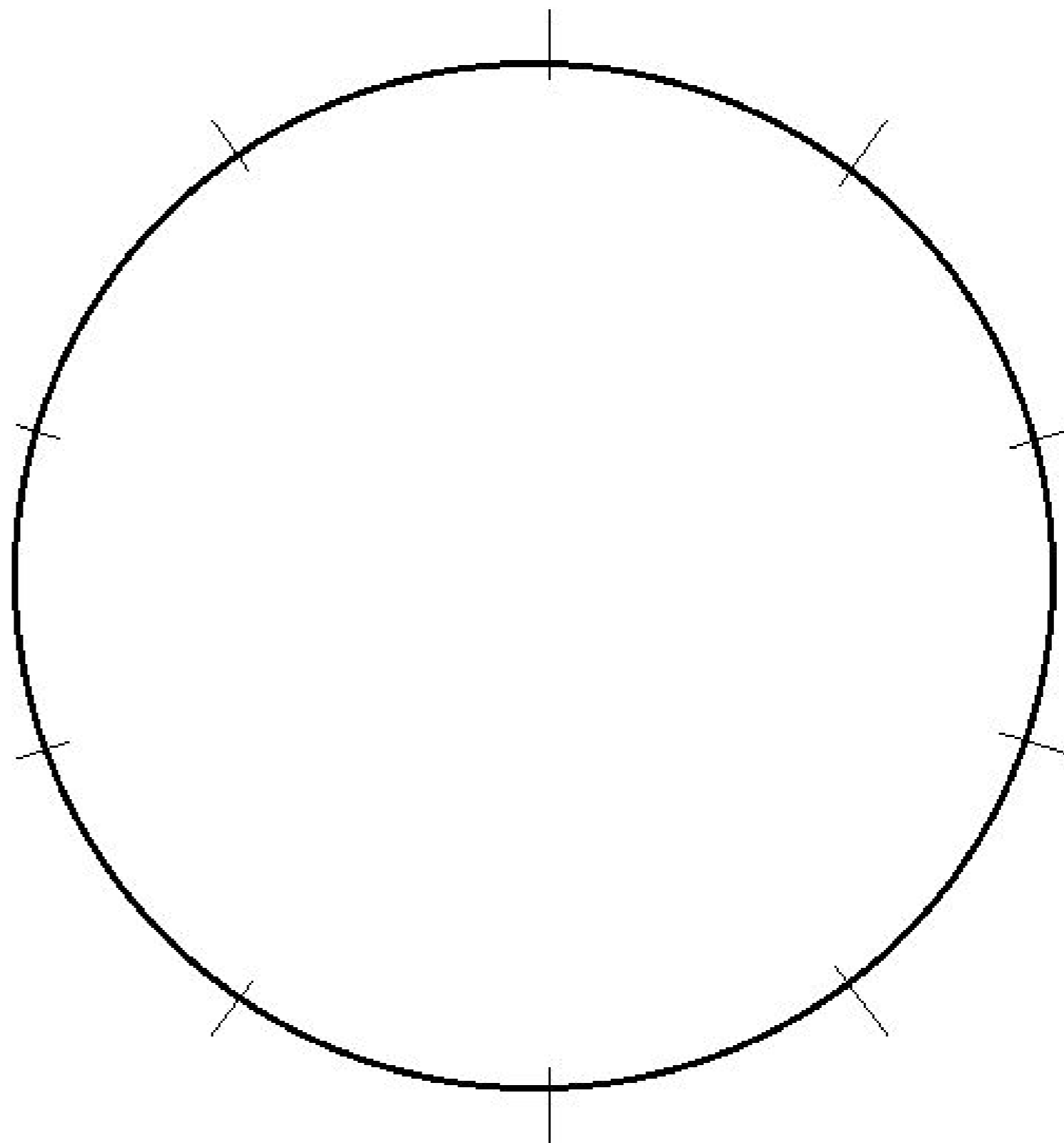
Promoter, splice, PolyA GPD constitutive promoter

Comments

Expression detectable with anti-FLAG antibodies.
BUT cannot support growth the the yeast double mutant Dhsc82 Dhsp82.

Reference

Wider et al. (2009) Mol. Biochem. Parasitol. 164, 147



DIDIER PICARD LAB, University of Geneva

Construct number

2024

Date entered

8.1.07

Constructed by

Pierre-André Briand

Date constructed

01.2007

PLASMID NAME

pHAGE-UBC-p23

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pHAGE-UBC-IZsGreen-W

bacterial plasmid

other relevant source constructs

pLmp23

Inserts

Lentiviral vector with internal UBC promoter for expression of mouse p23 and ZsGreen from IRES.

Reporter gene

Promoter,
splice,
PolyA

UBC promoter

Comments

- ZsGreen like GFP but brighter
- complete sequence available

Reference

Construct number

2025

Date entered

11.1.07

Constructed by

Witold Filipowicz lab

Date constructed

PLASMID NAME

pRL-Con

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pCIneo (Promega)

bacterial plasmid

pUC

other relevant source constructs

phRLTK (Promega)

Inserts Renilla luciferase coding sequence with SV40 late polyA sequences (~ 3'UTR)

Reporter gene luciferase

Promoter, CMV enhancer/promoter
splice, SV40 late polyA sequence
PolyA

Comments - for scheme see pRL-Perf.

Reference Pillai et al. (2005) Science 309, 1573.

Construct number

Date entered 11.1.07

Constructed by Witold Filipowicz lab

Date constructed

PLASMID NAME

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pRL-Con

bacterial plasmid

pUC

other relevant source constructs

Inserts Renilla luciferase mRNA with perfect let-7a binding site (ACTATACAACCTACTACTCA) in 3'UTR

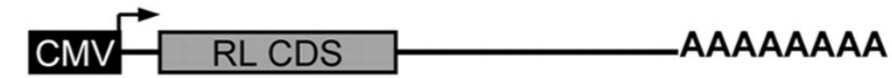
Reporter gene

Promoter, splice, PolyA CMV enhancer/promoter
SV40 late polyA sequence

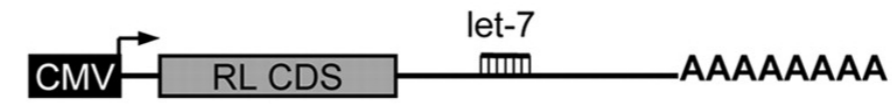
Comments - Note that this vector has the Renilla luciferase coding sequence with SV40 late polyA sequences (~ 3'UTR).
- looks like let-7a target sequence is in XbaI-NotI sites between ORF and SV40 sequences.

Reference Pillai et al. (2005) Science 309, 1573.

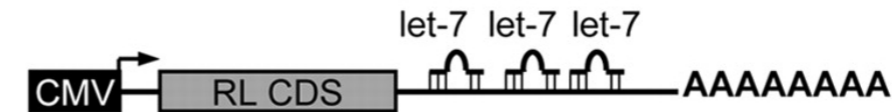
RL-Con



RL-Perf



RL-3xBulgeA or B



3xBulgeA

3xBulgeB



Construct number

2027

Date entered

11.1.07

Constructed by

Witold Filipowicz lab

Date constructed

PLASMID NAME

pRL-3xBulgeA

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pRL-Con

bacterial plasmid

pUC

other relevant source constructs

Inserts

Renilla luciferase mRNA with 3 bulged let-7a binding sites (ACUAUACAACCGUUCUACCUCA) in 3'UTR

Reporter gene

luciferase

Promoter,
splice,
PolyA

CMV enhancer/promoter
SV40 late polyA sequence

Comments

- Note that this vector has the Renilla luciferase coding sequence with SV40 late polyA sequences (~ 3'UTR).
- looks like let-7a target sequence is in XbaI-NotI sites between ORF and SV40 sequences.
- for scheme see pRL-Perf.

Reference

Schmitter et al. (2006) NAR 34, 4801.

Construct number

2028

Date entered

11.1.07

Constructed by

Witold Filipowicz lab

Date constructed

PLASMID NAME

pRL-3xBulgeB

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pRL-Con

bacterial plasmid

pUC

other relevant source constructs

Inserts

Renilla luciferase mRNA with 3 bulged let-7a binding sites
(GGACAGCCTATTGAACTACCTCACTCGGAGCACAGCCTATTGAACTA
CCTCAGGCCTGCACAGCCTATTGAACTACCTCA) in 3'UTR

Reporter gene luciferase

Promoter, CMV enhancer/promoter
splice, SV40 late polyA sequence
PolyA

Comments - Note that this vector has the Renilla luciferase coding sequence with SV40 late polyA sequences (~ 3'UTR).
- looks like let-7a target sequence is in XbaI-NotI sites between ORF and SV40 sequences.
- for scheme see pRL-Perf.

Reference Pillai et al. (2005) Science 309, 1573. (called 3xBulge in this publication, but 3xBulgeB in more recent Schmitter et al. (2006) NAR 34, 4801).

Construct number

2029

Date entered

11.1.07

Constructed by

Witold Filipowicz lab

Date constructed

PLASMID NAME

pRL-3xBulgeMut

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pRL-Con

bacterial plasmid

pUC

other relevant source constructs

Inserts

Renilla luciferase mRNA with 3 mutated bulged let-7a binding sites
(GCACAGCCTATTGAACTACCCCTCACTCGAGCACAGCCTATTGAACT
ACCCCTCAGGCCTGCACAGCCTATTGAACTACCCCTCA) in 3'UTR

Reporter gene luciferase

Promoter, CMV enhancer/promoter
splice, SV40 late polyA sequence
PolyA

Comments - Note that this vector has the Renilla luciferase coding sequence with SV40 late polyA sequences (~ 3'UTR).
- looks like let-7a target sequence is in XbaI-NotI sites between ORF and SV40 sequences.
- for scheme see pRL-Perf.

Reference Pillai et al. (2005) Science 309, 1573.

DIDIER PICARD LAB, University of Geneva

Construct number

2030

Date entered

22.1.07

Constructed by

Pierre-André Briand

Date constructed

01.2007

PLASMID NAME

pcDNA/HA-hAARSD1L-W107A

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA/HA-p23

bacterial plasmid

pUC

other relevant source constructs

pcDNA/HA-hAARSD1L

Inserts HA tag fused to human AARSD1 with point mutant W107A

Reporter gene

Promoter,
splice,
PolyA

- CMV promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments - tag is MQDLPGNDNSTAG, **not** 12CA5 epitope
- codon TGG is changed to GCG

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

2031

Date entered

29.1.07

Constructed by

Guillaume Mühlebach

Date constructed

13.12.06

PLASMID NAME

mTrap1 genomic

old name

Gap repair

bacterial marker Amp

parent vector

pL253

bacterial plasmid

other relevant source constructs

mTrap1 recombination vector (#2032)

Inserts

about 14kb from mouse Trap1 genomic DNA going from 5kb upstream exon2 to 5kb downstream exon4. Fragment inserted by recombination of the BAC RP24-363G21 with the mTrap1 recombination vector (#2032) cut with HindIII. Recombination occurs in bacterial strain EL350

Reporter gene

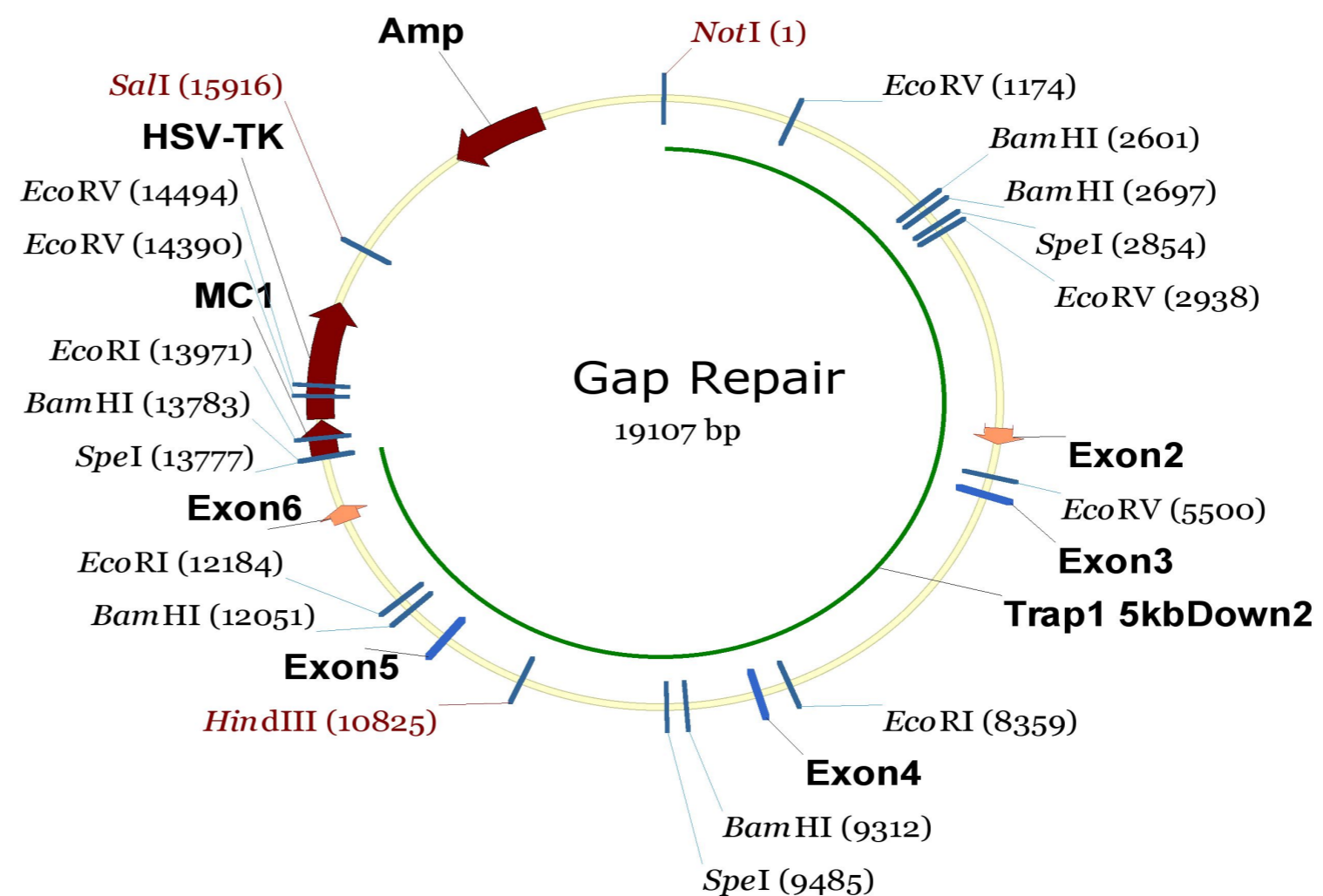
Promoter,
splice,
PolyA

Comments

used to generate a floxed construct for Trap1 CKO in mouse

Reference

for the BAC RP24-363G21, see
<http://genome.ucsc.edu/cgi-bin/hgc?hgsid=85214377&o=3845430&t=4016803&g=bacEndPairs&i=RP24>
4%



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.1.07

Constructed by Guillaume Mühlebach

Date constructed 30.11.06

PLASMID NAME

mTrap1 recombination vector

old name

Retrieval Vector

bacterial marker Amp

parent vector

pL253

bacterial plasmid

other relevant source constructs

RP24-363G21

Inserts

homology arms (left and right), amplified using the *BAC RP24-363G21* as a matrix and the oligos:
ataagcggccgcTTCTATTTTGAGACTGTCTC/gtcaagcttGAGGTCAAGCA
TACTAATACTGCC (left arm, cut with NotI & HindIII)
gtccaagcttTGCTGACCCACAAGGTCAAGTTGCC/tctactagtACAGTCAG
GAGGAAAAGGGATTCCC (right arm, cut with HindIII & SpeI)
cloned into *pL253* cut with NotI and SpeI

Reporter gene

Promoter,
splice,
PolyA

Comments used to generate a floxed construct for Trap1 CKO in mouse

Reference for the BAC RP24-363G21, see
[http://genome.ucsc.edu/cgi-bin/hgc?hgsid=85214377&o=3845430&t=4016803&g=bacEndPairs&i=RP24%](http://genome.ucsc.edu/cgi-bin/hgc?hgsid=85214377&o=3845430&t=4016803&g=bacEndPairs&i=RP24%4)

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.1.07

Constructed by Guillaume Mühlebach

Date constructed 15.01.07

PLASMID NAME

mTrap1 CKO 1LoxPNeo

old name

1st targeting

bacterial marker Amp+Kan	parent vector pL253 bacterial plasmid
other relevant source constructs mTrap1 recombination vector (#2032) LoxP insertion vector (#2038)	

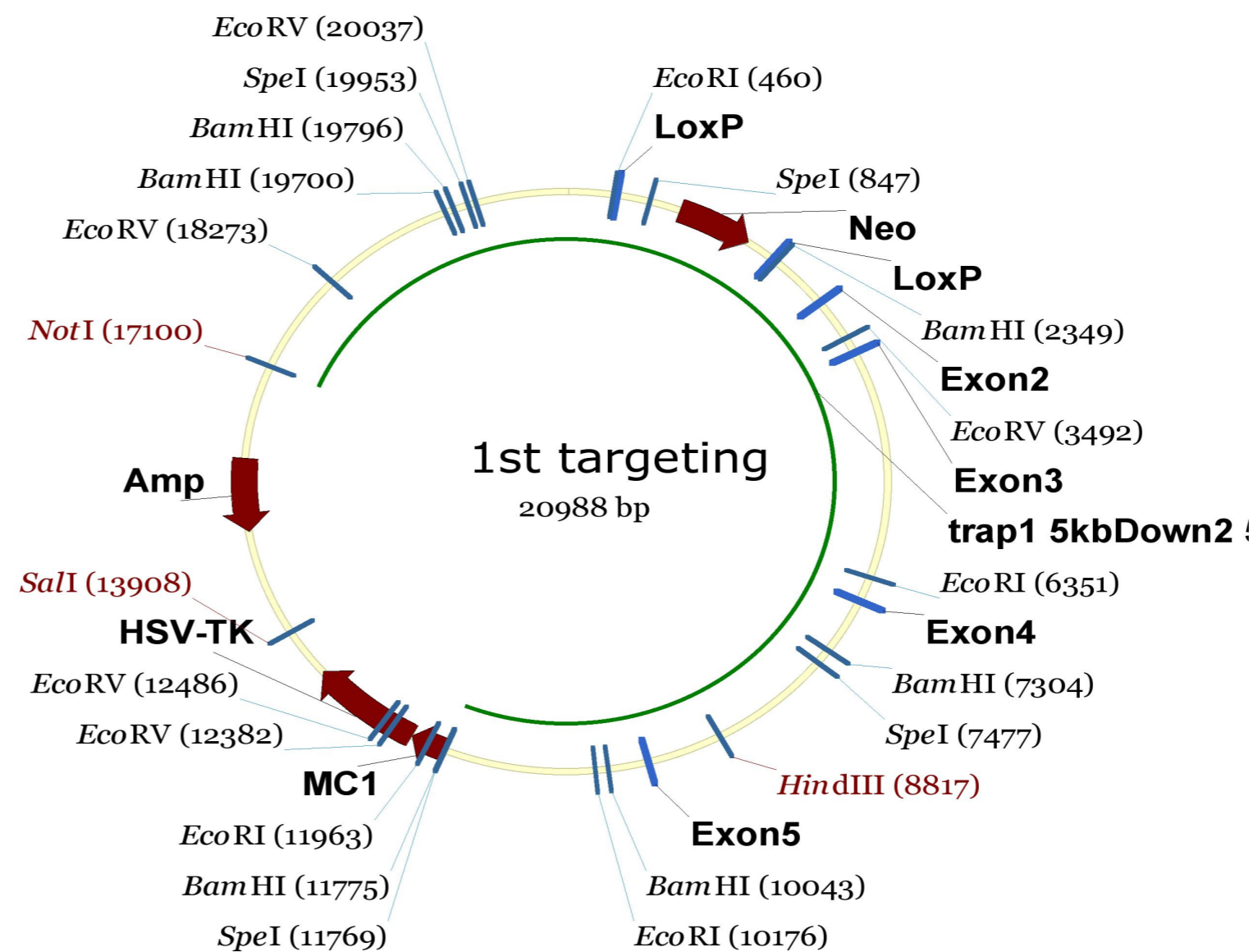
Inserts insertion of LoxP sites flanking a neomycin cassette, excised from LoxP insertion vector with NotI and SalI, by recombination with the retrieval vector into EL350.

Reporter gene

Promoter,
splice,
PolyA

Comments used to generate a floxed construct for Trap1 CKO in mouse

Reference <http://www.genome.org/cgi/content/full/13/3/476>



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.1.07

Constructed by Guillaume Mühlebach

Date constructed 22.10.07

PLASMID NAME

mTrap1 CKO 1LoxP

old name

Pop-Out

bacterial marker Amp	parent vector pL253 bacterial plasmid
other relevant source constructs mTrap1 CKO 1LoxPNeo insertion (#2033)	

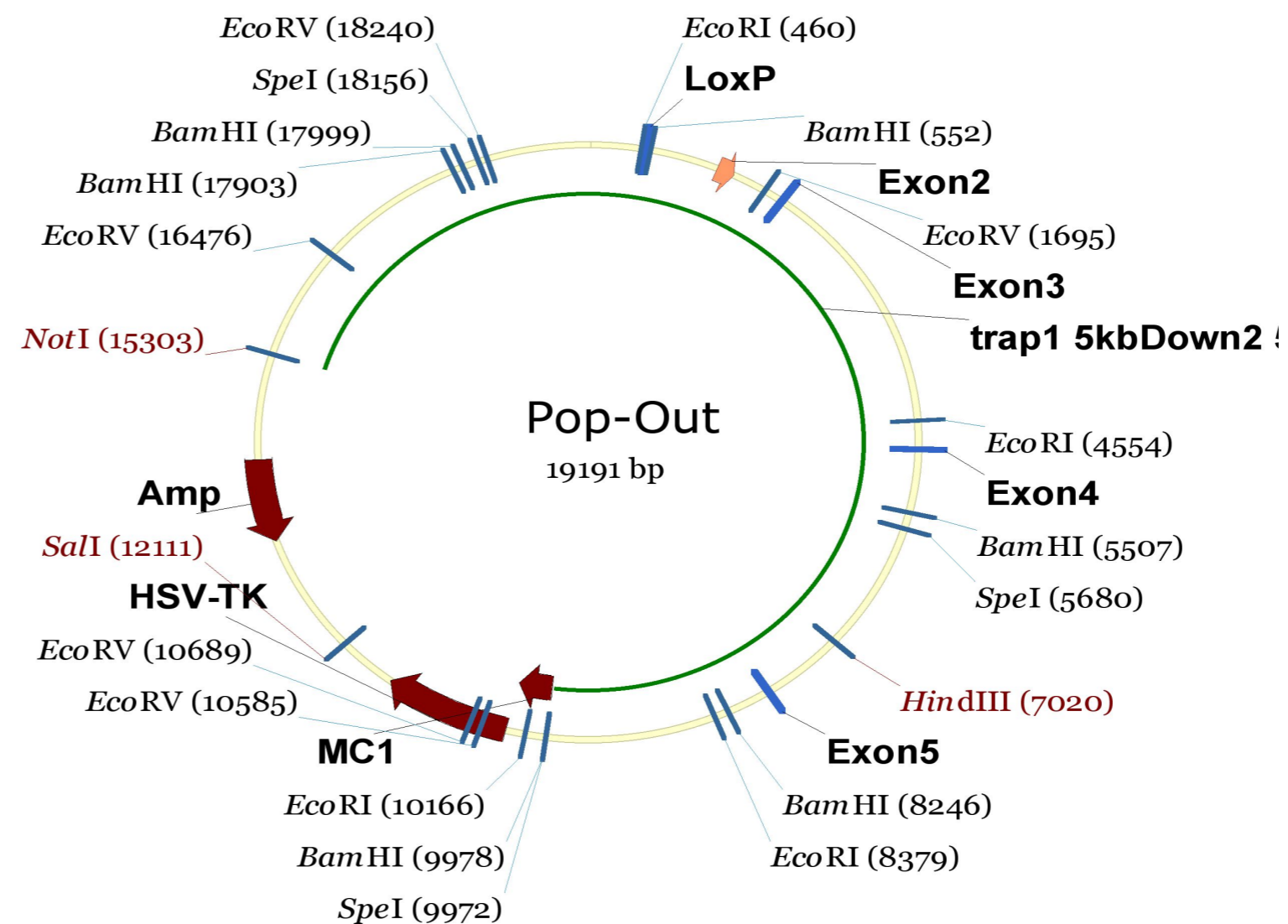
Inserts fusion of LoxP sites of the "1st targeting" plasmid by expression of the Cre protein into EL350 bacterial strain.

Reporter gene

Promoter, splice, PolyA

Comments used to generate a floxed construct for Trap1 CKO in mouse

Reference <http://www.genome.org/cgi/content/full/13/3/476>



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.1.07

Constructed by Guillaume Mühlebach

Date constructed 30.01.07

PLASMID NAME

mTrap1 CKO LoxP_FRT_Neo

old name

2nd targeting

bacterial marker Amp+Kan	parent vector pL253 bacterial plasmid
other relevant source constructs mTrap1 CKO 1LoxP (#2034) FRT insertion vector (#2039)	

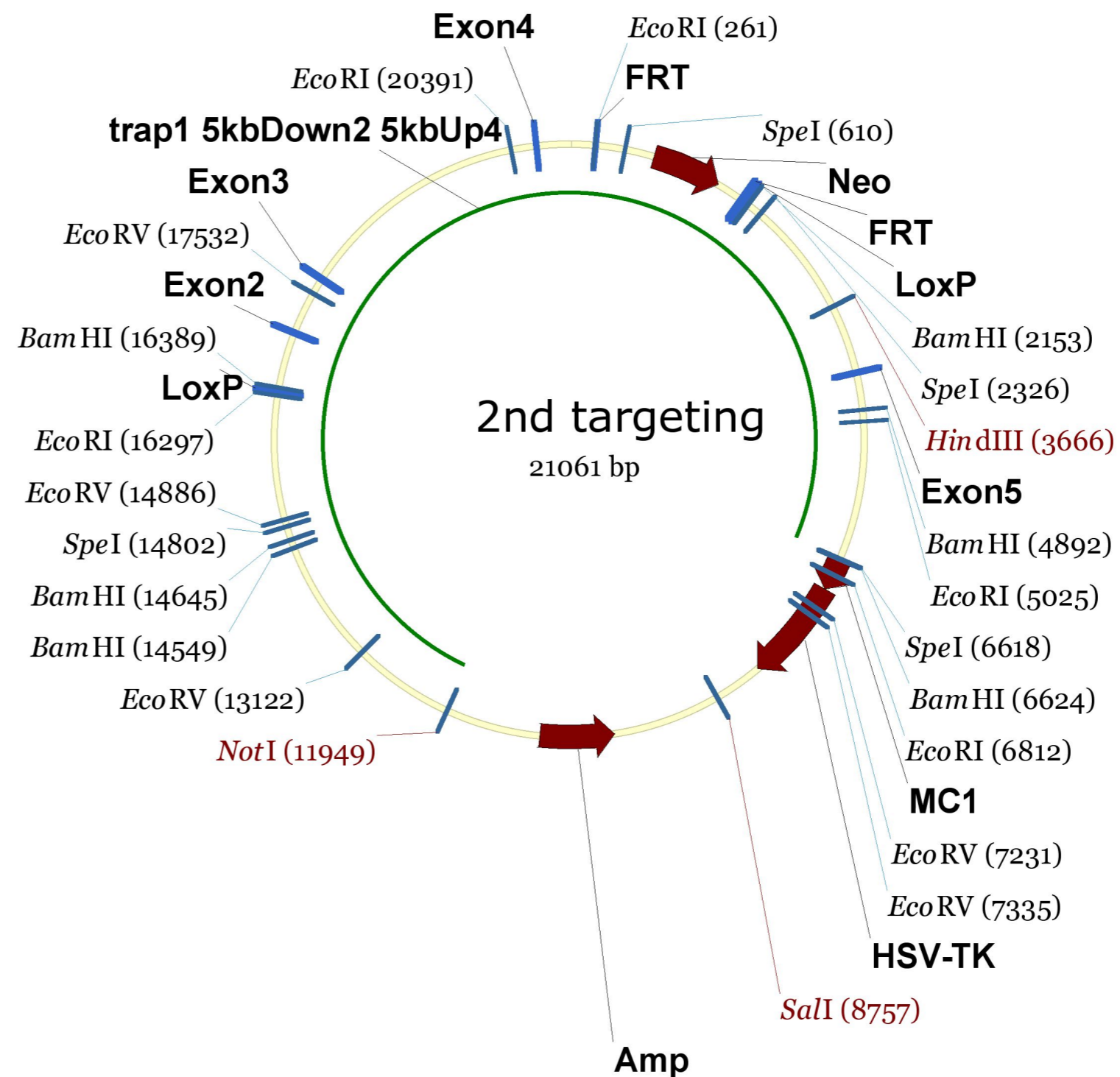
Inserts insertion of FRT sites flanking a neomycin cassette, excised from FRT insertion vector with NotI and SalI, by recombination with the retrieval vector into EL350.

Reporter gene

Promoter,
splice,
PolyA

Comments used to generate a floxed construct for Trap1 CKO in mouse

Reference <http://www.genome.org/cgi/content/full/13/3/476>



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.1.07

Constructed by Guillaume Mühlebach

Date constructed

PLASMID NAME

Trap1 CKO Flpe

old name

Flpe

<u>bacterial marker</u>	<u>parent vector</u> pL253
	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>

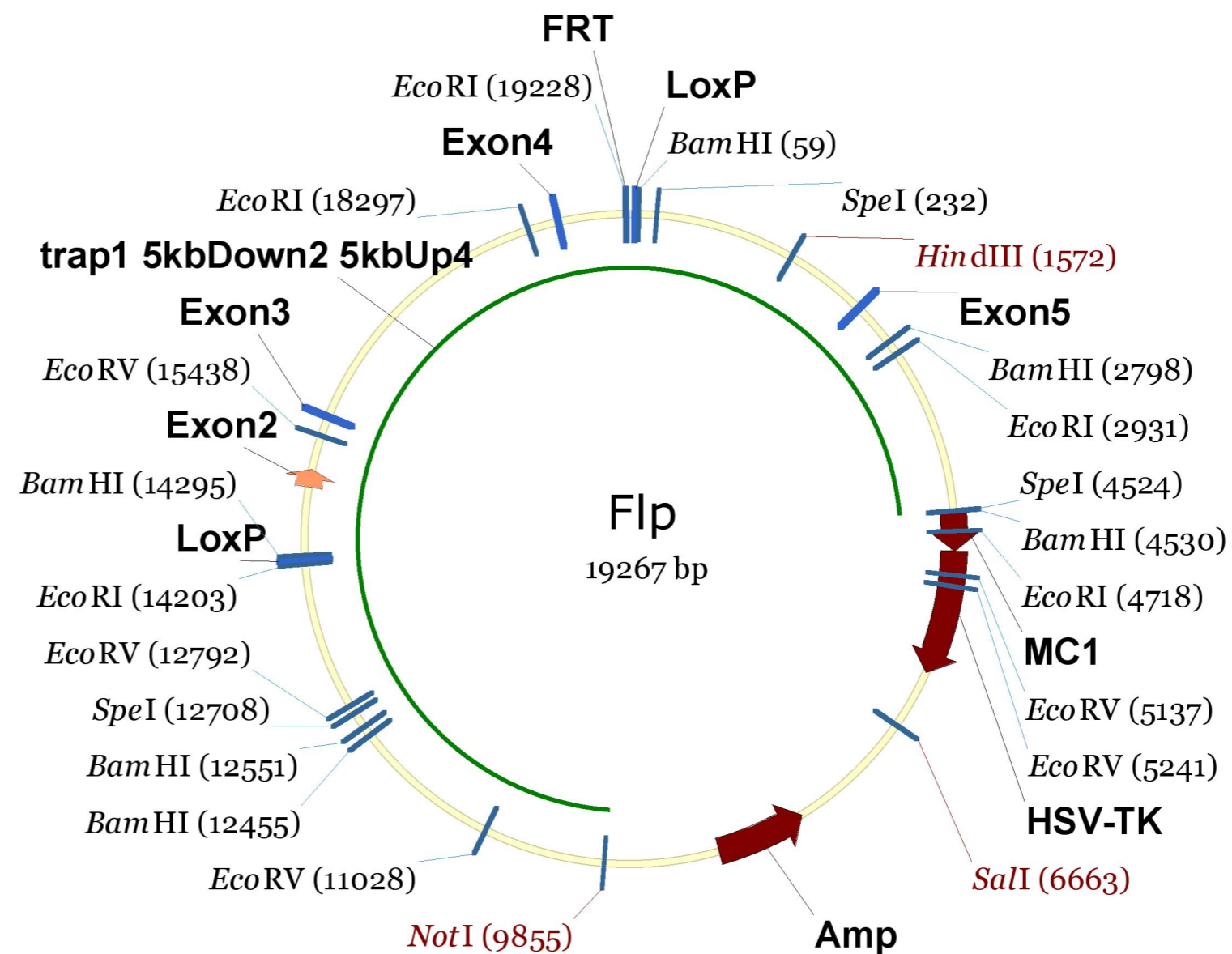
Inserts excision of the neo cassette from the "mTrap1 CKO LoxP_FRT_Neo insertion" vector after expression of the plasmid in bacteria induced for flippase expression

Reporter gene

Promoter,
splice,
PolyA

Comments used to generate a floxed construct for Trap1 CKO in mouse

Reference <http://www.genome.org/cgi/content/full/13/3/476>



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.1.07

Constructed by Guillaume Mühlebach

Date constructed

PLASMID NAME

Trap1 CKO Cre

<u>bacterial marker</u>	<u>parent vector</u> pL253
	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>

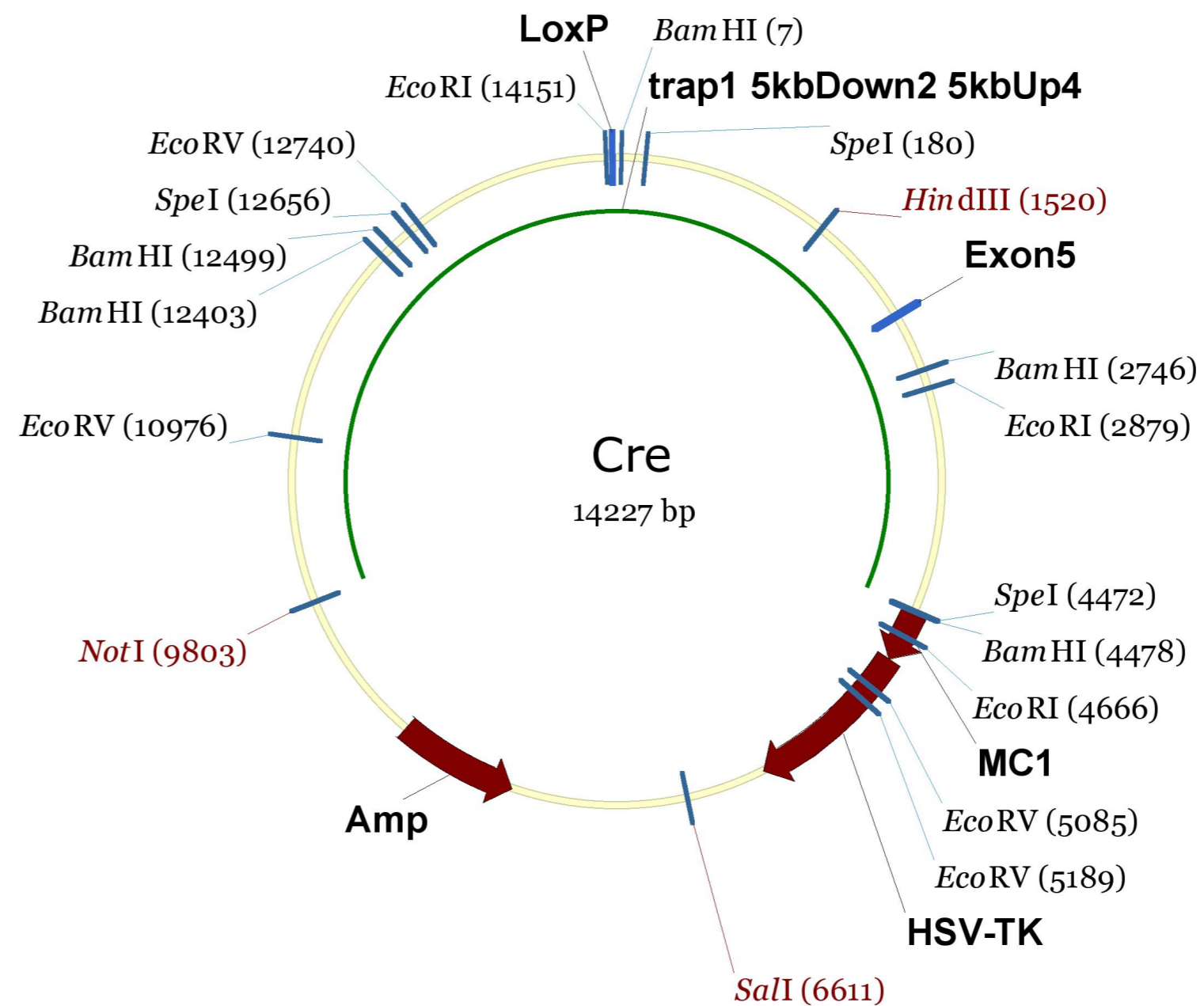
Inserts excision of the DNA between the two loxP sites of the "Trap1 CKO Flpe" plasmid by expression of the plasmid in bacteria induced for Cre expression. This is to check that the construct is working, before electroporation of ES cells

Reporter gene

Promoter,
splice,
PolyA

Comments used to generate a floxed construct for Trap1 CKO in mouse

Reference <http://www.genome.org/cgi/content/full/13/3/476>



DIDIER PICARD LAB, University of Geneva

Construct number 2038

Date entered 30.1.07

Constructed by Guillaume Mühlebach

Date constructed 10.01.07

PLASMID NAME

LoxP insertion vector

bacterial marker Amp+Kan

parent vector

Bluescript (#747)

bacterial plasmid

other relevant source constructs

pL452

Inserts

trap1 homology arms, amplified using the *BAC RP24-363G21* as a matrix and the oligos
ataagaatgcggccgcAAGTGGCTAATAGCCCAGGgtcgaattcagatctGACCT
CCACACATGGCACCC (left arm, cut with NotI & EcoRI)
cgcgatccTCTCCTTCATAGTGTGGGTTCTGGGG/acgcgtcgacTTTACC
TGATCCATGTCTAGCC (right arm, cut with BamHI & Sall)
cloned into *Bluescript* cut with NotI and Sall and flanking a
fragment containing loxP sites excised from *pL452* with BamHI

Reporter gene EcoRI

Promoter,
splice,
PolyA

Comments used to generate a floxed construct for Trap1 CKO in mouse

Reference <http://www.genome.org/cgi/content/full/13/3/476>

DIDIER PICARD LAB, University of Geneva

Construct number 2039

Date entered 30.1.07

Constructed by Guillaume Mühlebach

Date constructed 12.01.07

PLASMID NAME

FRT insertion vector

bacterial marker Amp+Kan

parent vector

Bluescript (#747)

bacterial plasmid

other relevant source constructs

pL451

Inserts trap1 homology arms, amplified using the *BAC RP24-363G21* as a matrix and the oligos
ataagcgccgcAGAACTGTGGCAGTCCTGGGG/gtcgaattcCAATTCCTT
GAAAGTATCACAGGC (left arm, cut with NotI & EcoRI)
cgcgatccTCTCCTTCATAGTGTGGGTTCTGGGG/gtcgtcgacTGACATG
ACAACTGACAGAAAGGG (right arm, cut with BamHI & Sall)
cloned into *Bluescript* cut with NotI and Sall and flanking a
fragment containing loxP sites excised from *pL451* with BamHI

Reporter gene EcoRI

Promoter,
splice,
PolyA

Comments used to generate a floxed construct for Trap1 CKO in mouse

Reference <http://www.genome.org/cgi/content/full/13/3/476>

Construct number

2040

Date entered

6.2.07

Constructed by

Date constructed

PLASMID NAME

pRS413

bacterial marker Amp

yeast marker HIS3

CEN/ARS

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference from R. Loewith

Construct number

Date entered 6.2.07

Constructed by

Date constructed

PLASMID NAME

pRS414

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments from R. Loewith

Reference

Construct number

2042

Date entered

6.2.07

Constructed by

Date constructed

PLASMID NAME

pRS415

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments from R. Loewith

Reference

Construct number

2043

Date entered

6.2.07

Constructed by

Date constructed

PLASMID NAME

pRS423

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments from R. Loewith

Reference

Construct number

2044

Date entered

6.2.07

Constructed by

Date constructed

PLASMID NAME

pRS424

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference from R. Loewith

Construct number

2045

Date entered

6.2.07

Constructed by

Date constructed

PLASMID NAME

pRS425

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments from R. Loewith

Reference

Construct number 2046

Date entered 8.2.07

Constructed by Anne Dejean's lab

Date constructed

PLASMID NAME

psg5-His-SUMO1

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

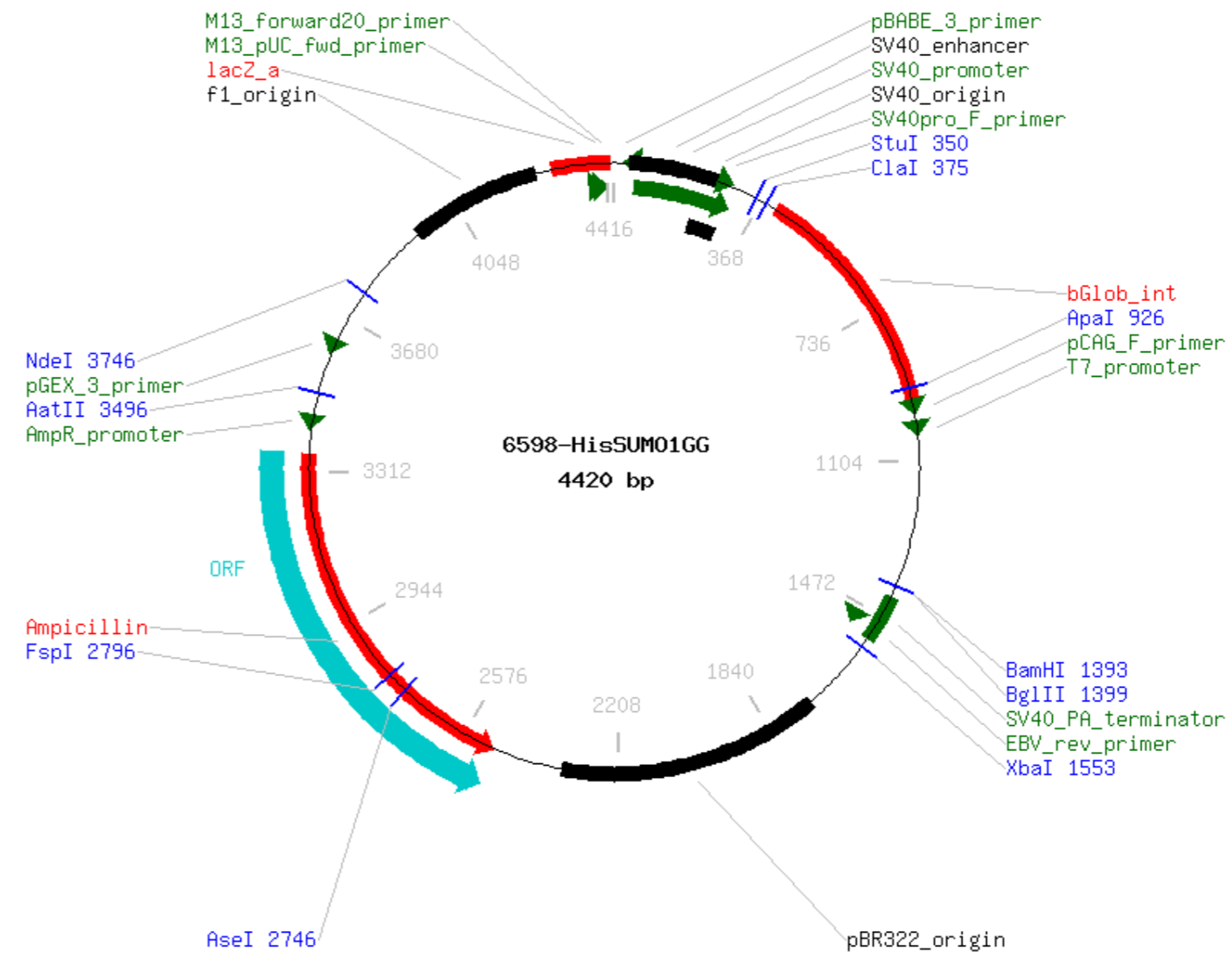
Inserts mature form ending with GG

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference



Construct number

2047

Date entered

8.2.07

Constructed by

Stratagene (from Stéphane Jalaguier)

Date constructed

PLASMID NAME

pMyr

bacterial marker Chl

yeast marker URA3

2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts a myristoylation signal followed by a MCS

Reporter gene

Promoter, GAL1
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

2048

Date entered

8.2.07

Constructed by

Sophie Carascossa

Date constructed

january 2007

PLASMID NAME

pYes-3xFlag-mGPR30

bacterial marker Amp

yeast marker URA3

2 μ circle

parent vector

pYes

bacterial plasmid

other relevant source constructs

Inserts

3xFlag-mGPR30 was amplified from p3XFlag-mGPR30 (using primers 5' 3xflag Bam and 3'mGPR Bam), and inserted in pYes at BamHI site.

Reporter gene

Promoter,
splice,
PolyA

GAL

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.2.07

Constructed by Joanna Pawlak

Date constructed 01.2007

PLASMID NAME

ETmitoCh

bacterial marker Amp

parent vector pCRE-luc

bacterial plasmid pUC

other relevant source constructs XETL

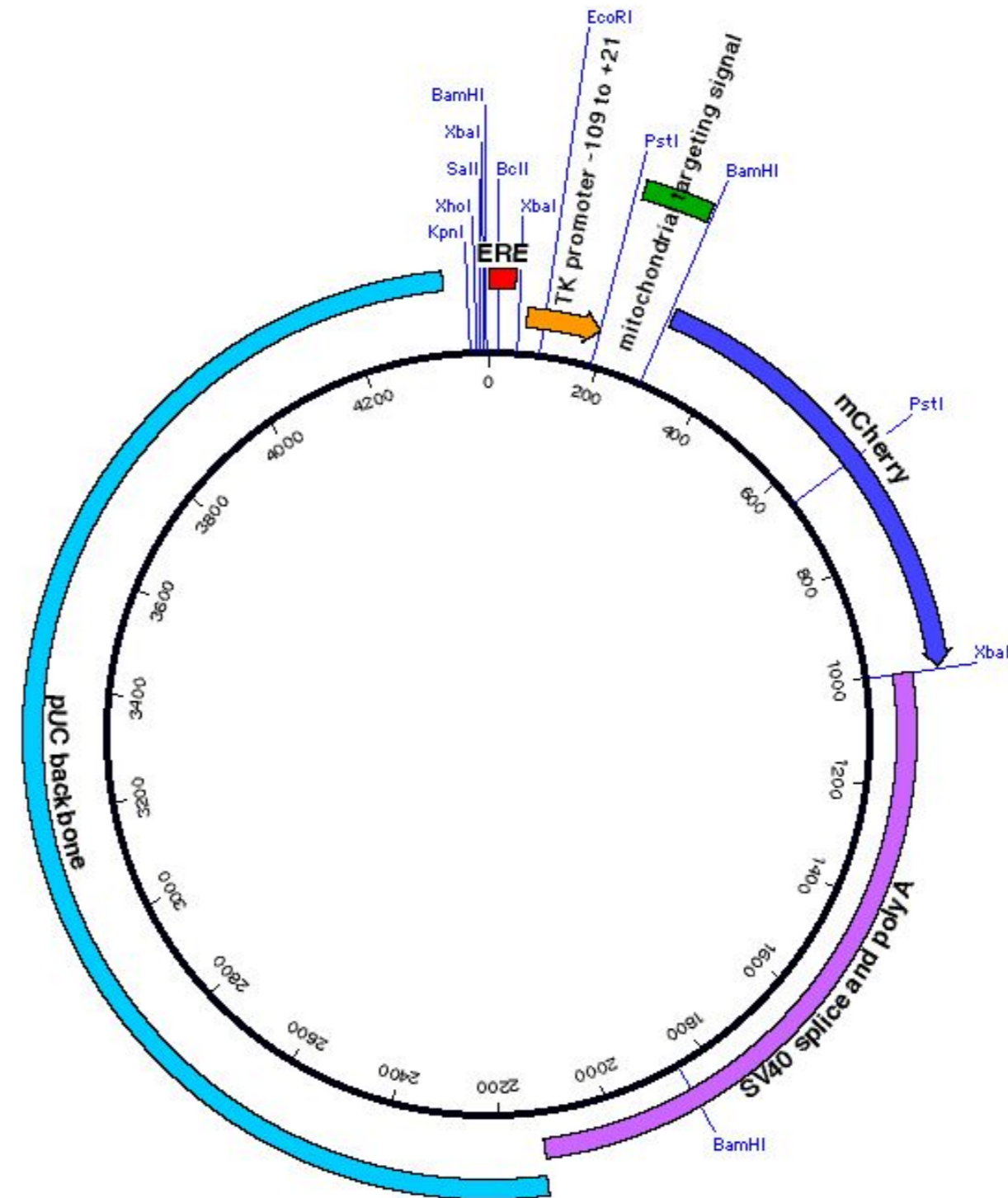
Inserts ERE upstream of TK promoter driving mCherry targeted to mitochondria

Reporter gene

Promoter, - ERE from Xenopus vitellogenin A2 gene
splice, - HSV thymidine kinase (TK) promoter (-109 to +13)
PolyA - SV40 small t intron and polyA site.

Comments - sequence available
 - mitochondrial targeting signal is from pEYFP-mito (by PCR)
 - note that BamHI upstream of ERE is destroyed by fusion with Bgl2.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.2.07

Constructed by Joanna Pawlak

Date constructed 01.2007

PLASMID NAME

G46TmitoCh

bacterial marker Amp

parent vector

pCRE-luc

bacterial plasmid

pUC

other relevant source constructs

XG46TL

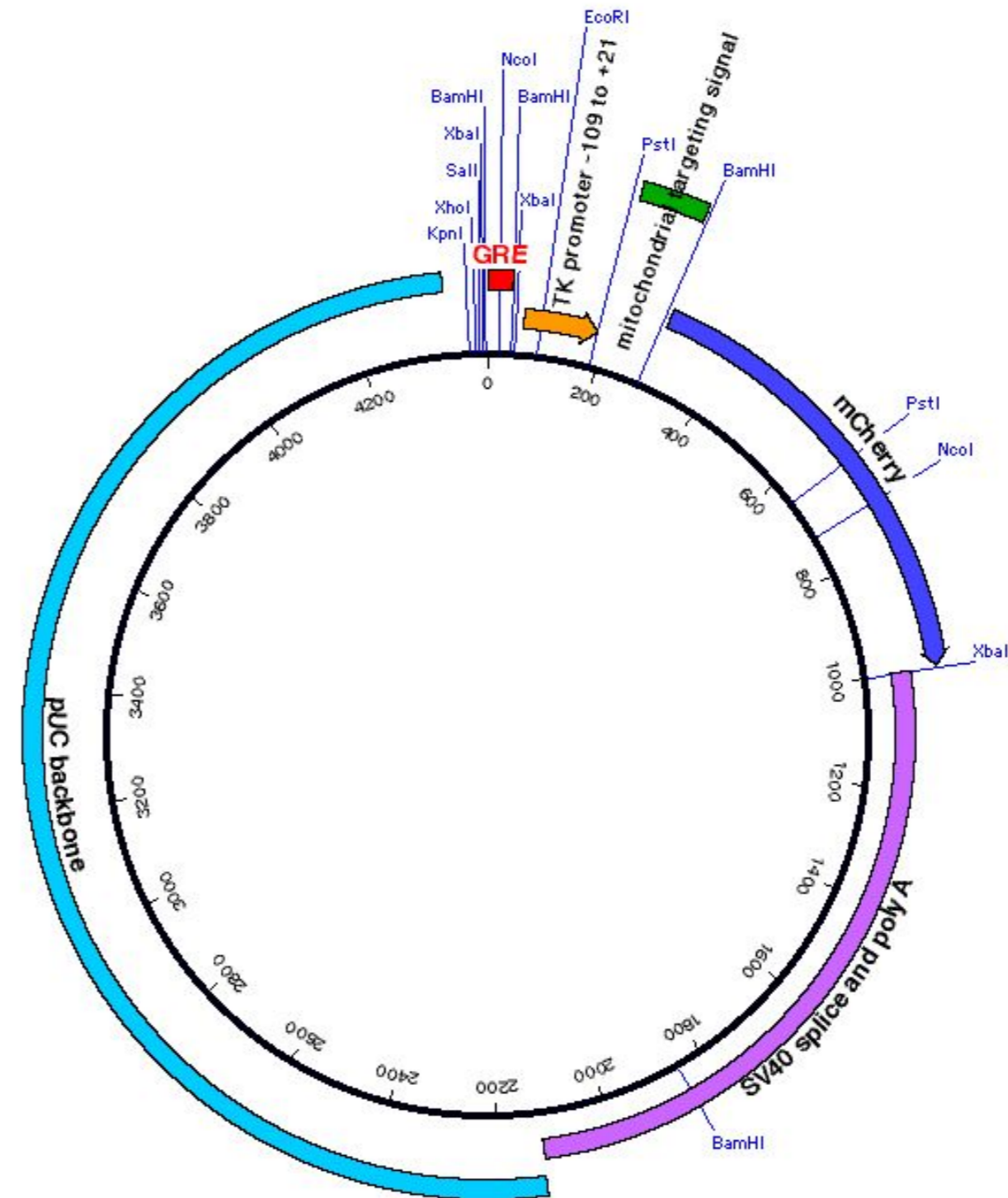
Inserts GRE upstream of TK promoter driving mCherry targeted to mitochondria

Reporter gene

Promoter, - synthetic 46 nt dimer GRE (palindromic)
splice, - HSV thymidine kinase (TK) promoter (-109 to +13)
PolyA - SV40 small t intron and polyA site.

Comments - sequence available
 - mitochondrial targeting signal is from pEYFP-mito (by PCR)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.2.07

Constructed by Joanna Pawlak

Date constructed 01.2007

PLASMID NAME

bacterial marker Amp

parent vector

p2U/ERE-luc

bacterial plasmid

pUC

other relevant source constructs

yeast marker URA3

eucaryotic replicon 2μ circle

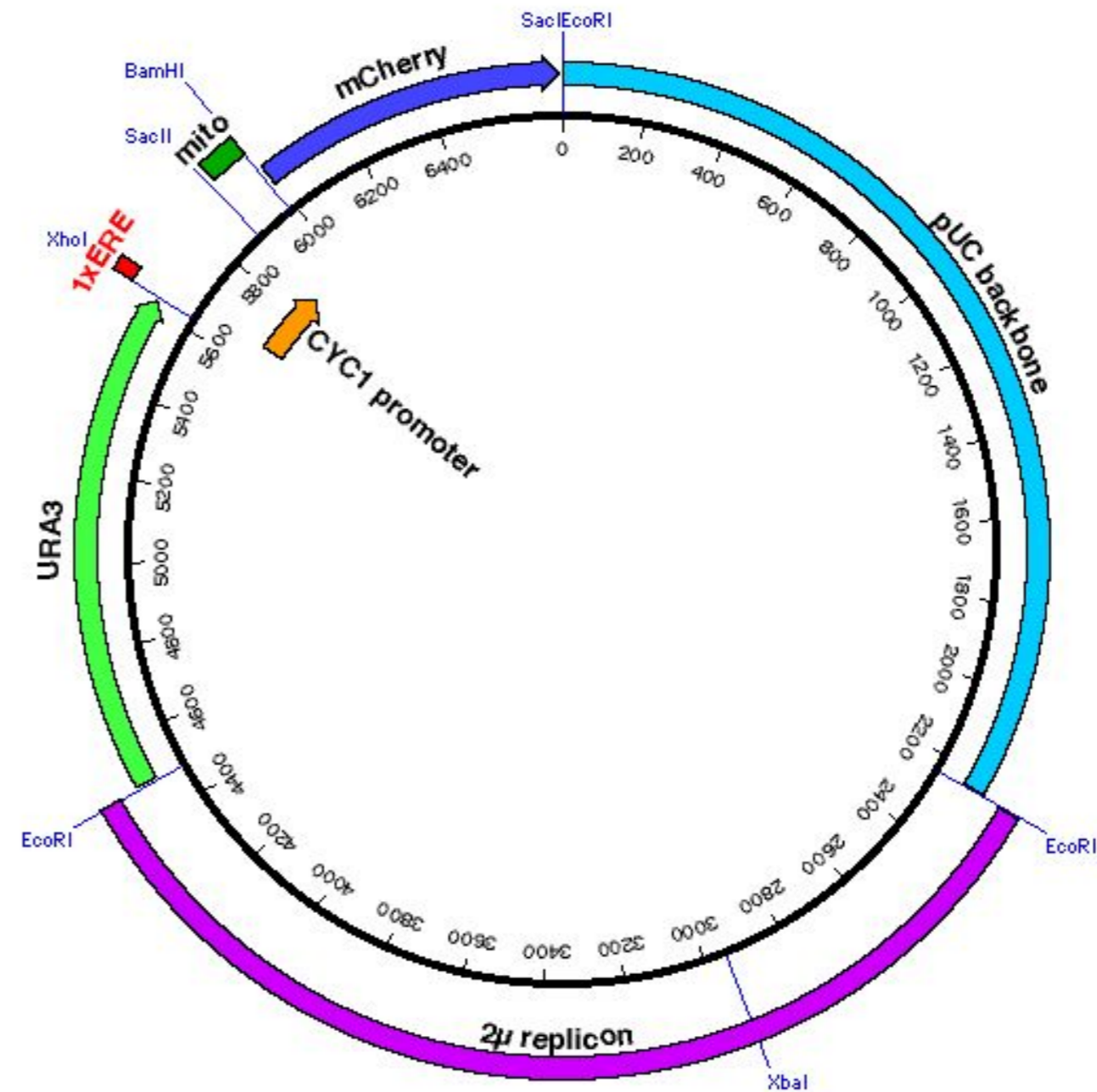
Inserts mitochondrially targeted mCherry

Reporter gene

Promoter, splice, PolyA
Single ERE upstream of minimal CYC1 promoter

Comments - sequence available
- mitochondrial targeting signal is from pEYFP-mito (by PCR)

Reference



Construct number

2052

Date entered

14.2.07

Constructed by

Antonia Follenzi (Patrick Salomon's

Date constructed

PLASMID NAME

pMD2G

Envelope Plasmid

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

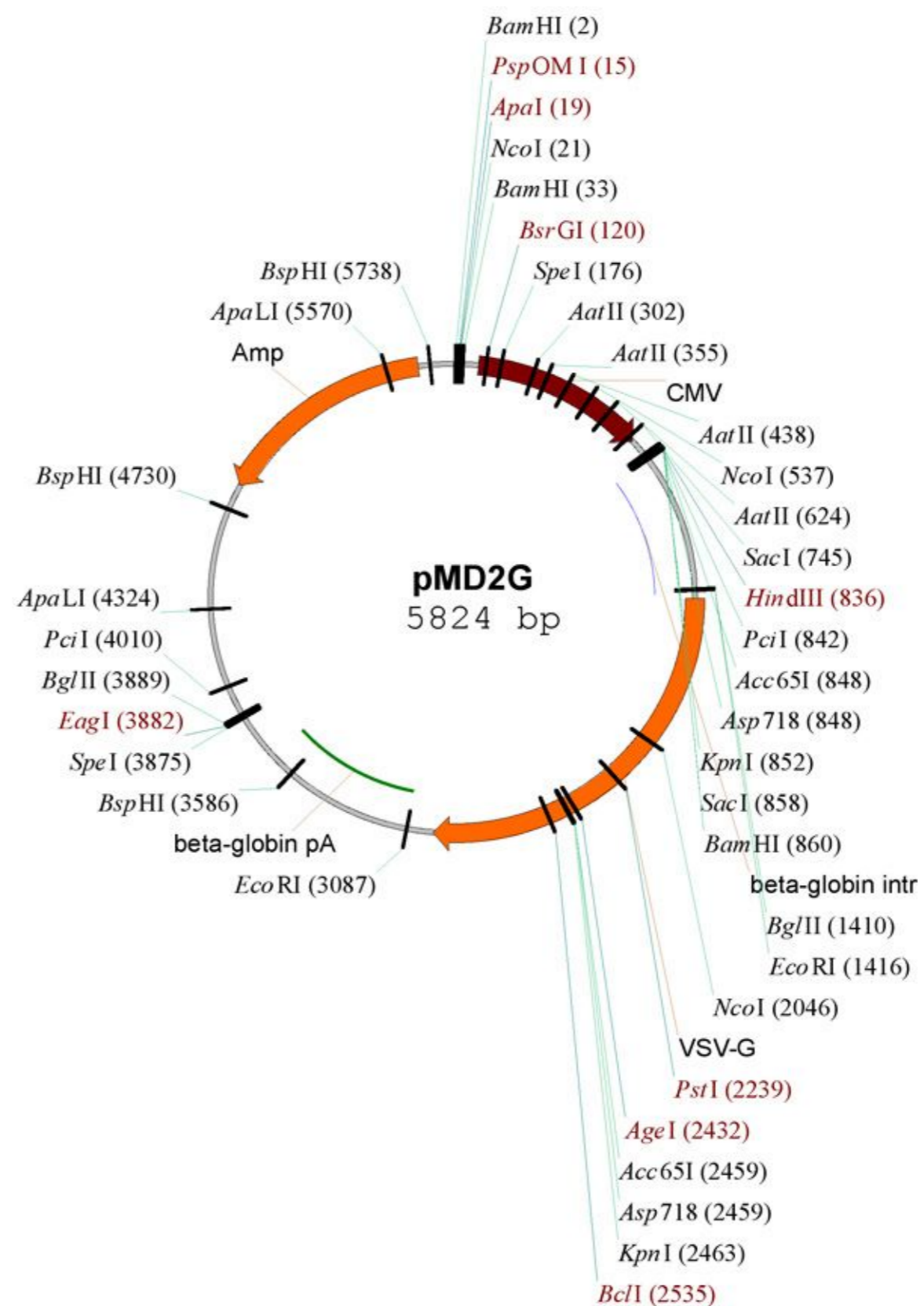
Inserts VSV G protein

Reporter gene

Promoter,
splice,
PolyA

Comments Used with packaging plasmid to make amphotropic viruses in 293T cells
Sequence available
Available form Addgene

Reference <http://medweb2.unige.ch/salmon/lentilab/plasmids.html>



Construct number

2053

Date entered

19.10.10

Constructed by

Antonia Follenzi (Patrick Salomon's lab, CMU)

Date constructed

PLASMID NAME

psPAX2

Packaging plasmid

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

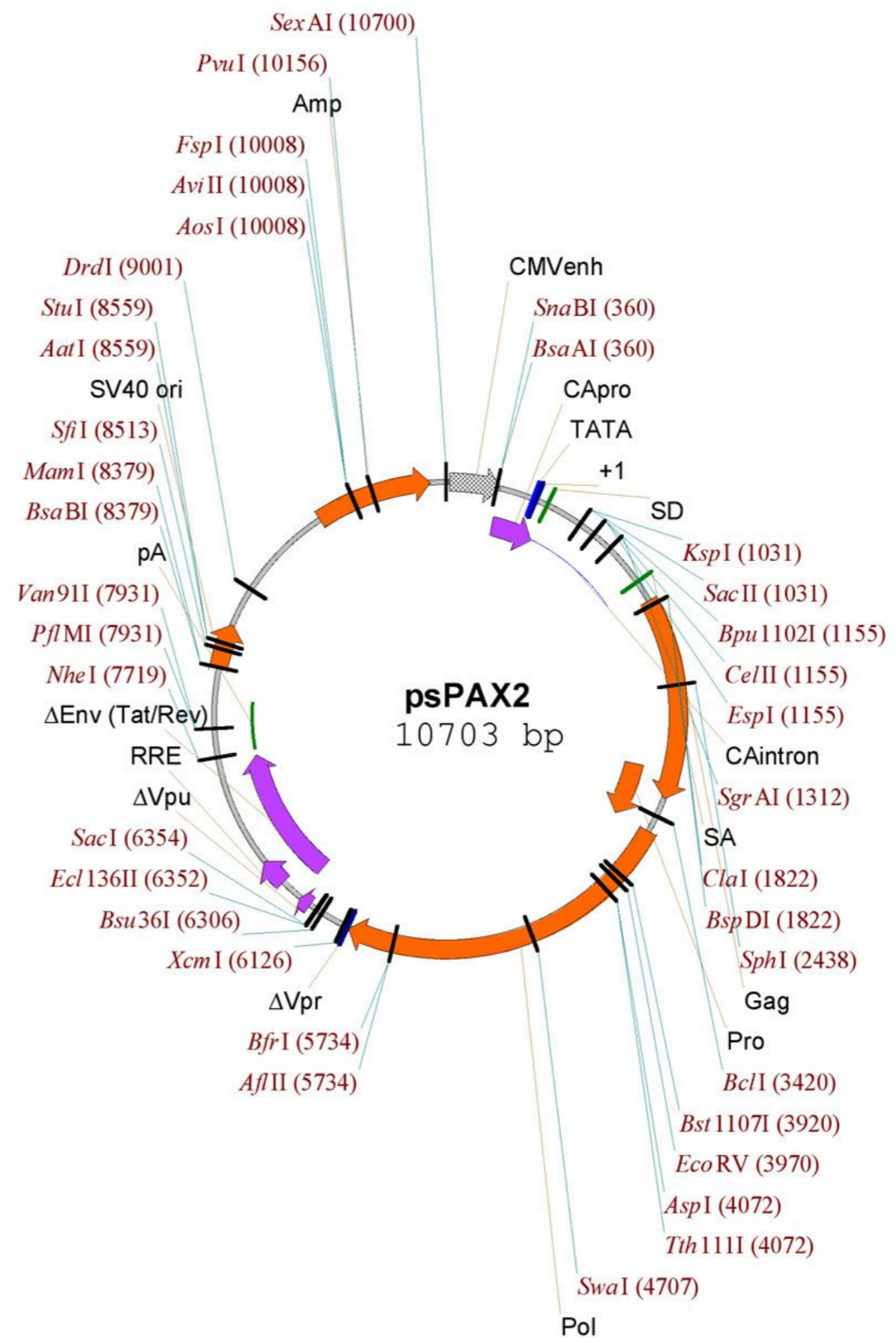
Inserts HIV1 gag and pol plus Rev/Tat

Reporter gene

Promoter, splice, PolyA

Comments Used with envelope plasmid to make package viruses in 293T cells.

Reference <http://medweb2.unige.ch/salmon/lentilab/plasmids.html>
sequence available



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.2.07

Constructed by Deo Prakash Pandey

Date constructed Aug 2006

PLASMID NAME

pGL3.UTR4-mut-19a

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs
pfGH.ER3'UTR, pGL3.UTR4

Inserts The target site for miR-19a was mutated using the two primers in sequences section.

AACCUCUUUUGCACUUUGAAA was mutated to

AAACCUCUUUUCGUGUUUG

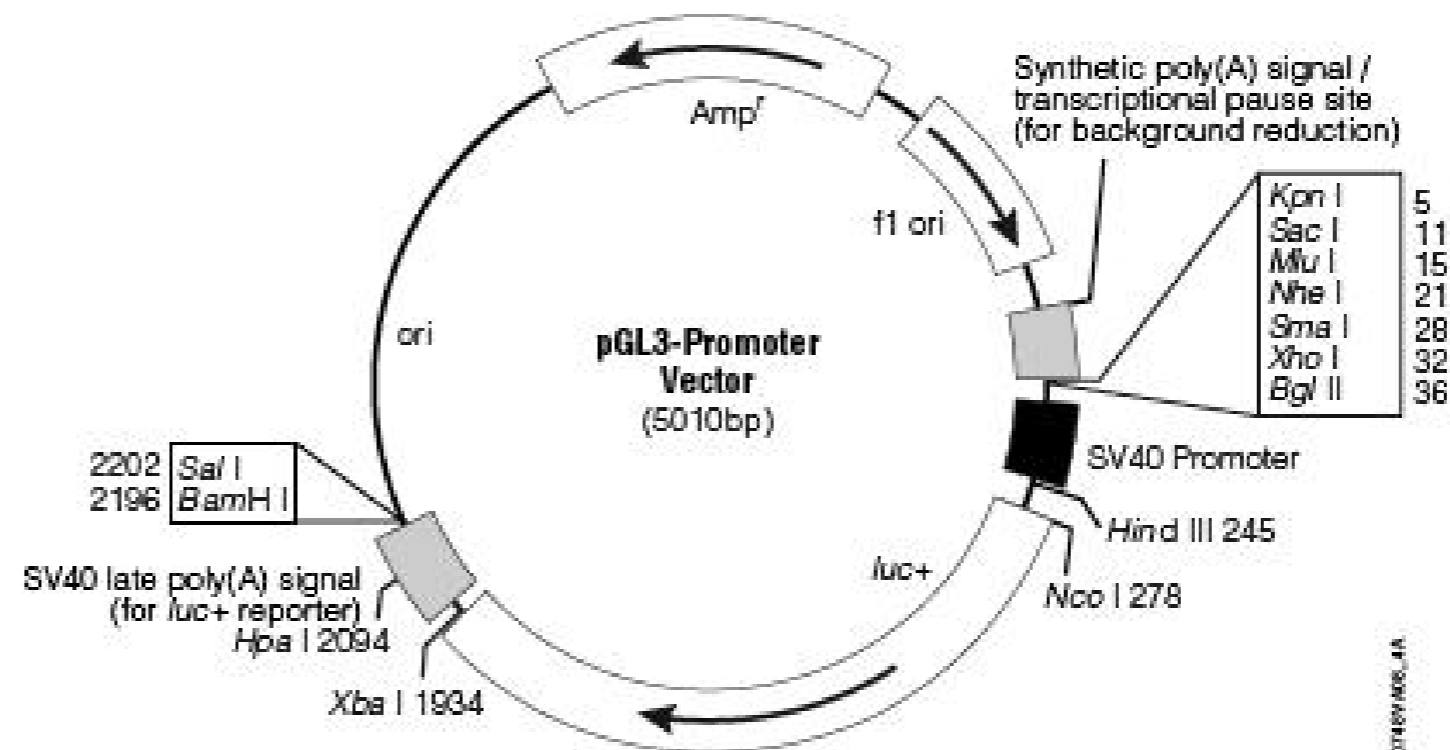
Reporter gene

Promoter, splice, PolyA CMV

Comments Please note that XbaI site is destroyed.

Sequence as well as primers are available.

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number 2055

Date entered 14.2.07

Constructed by Deo Prakash Pandey

Date constructed Dec 2006

PLASMID NAME

pSR.shLuc

bacterial marker Amp

vertebrate marker Puromycin

parent vector
pSuper-Retro

bacterial plasmid

other relevant source constructs

Inserts antisense oligo targeting Luciferase was cloned into pSR to be expressed as an shRNA. pSR was cut with BglII and XhoI.

Reference:

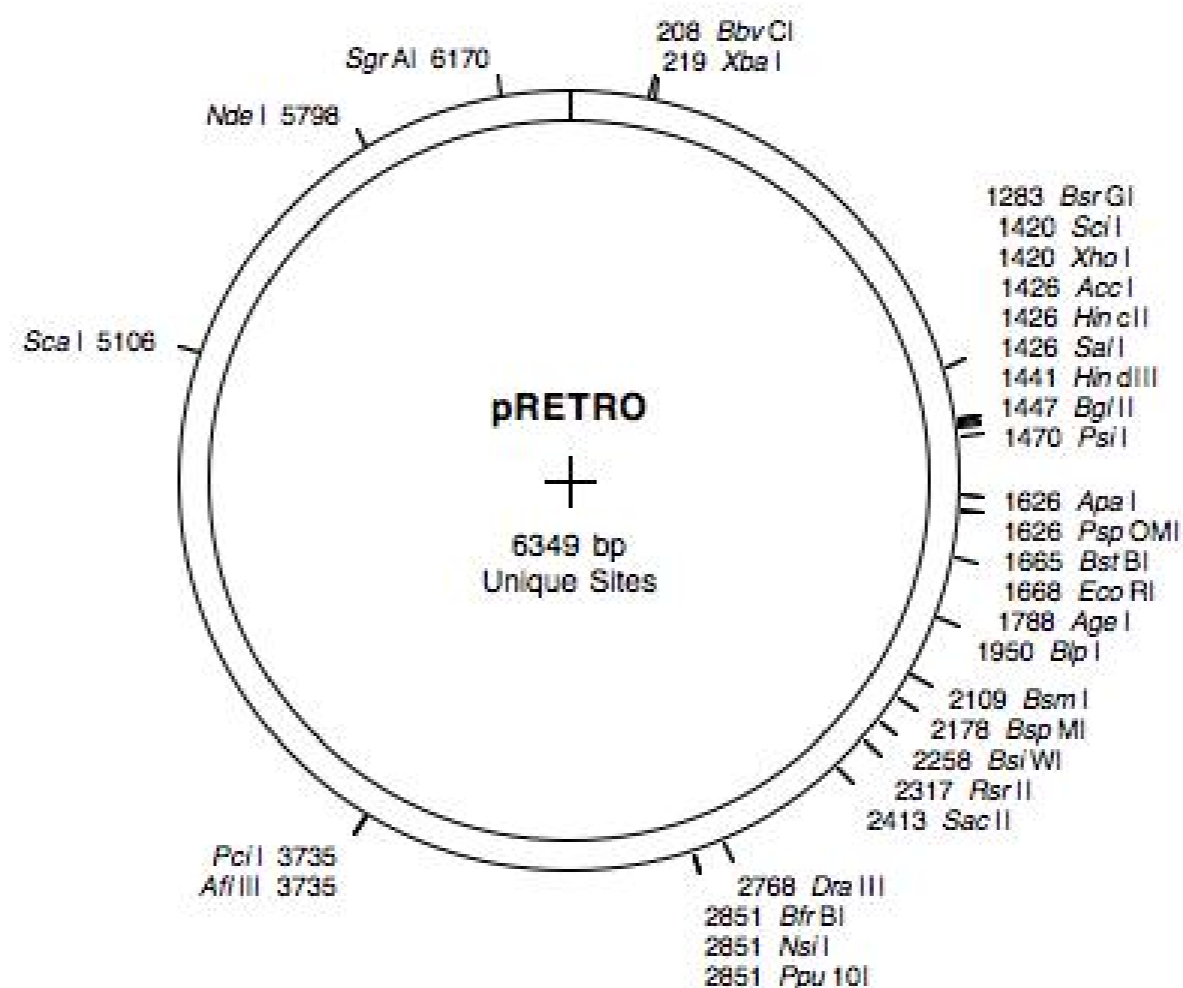
sh_Luc: **cgtagcggaataactcga**

Reporter gene

Promoter,
splice,
PolyA

Comments Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 2056

Date entered 14.2.07

Constructed by Deo Prakash Pandey

Date constructed May 2006

PLASMID NAME

Retrieval2_GPR30

bacterial marker Amp

parent vector
Bluescript
bacterial plasmid

other relevant source constructs
PL253, 1880/1881, 1900

Inserts Retrieval plasmid for gpr30. This plasmid is used to retrieve a ca. 10 kb region flanking 3rd exon of gpr30 using homologous recombination from the BAC clone (plasmid nr. 1880/1881).

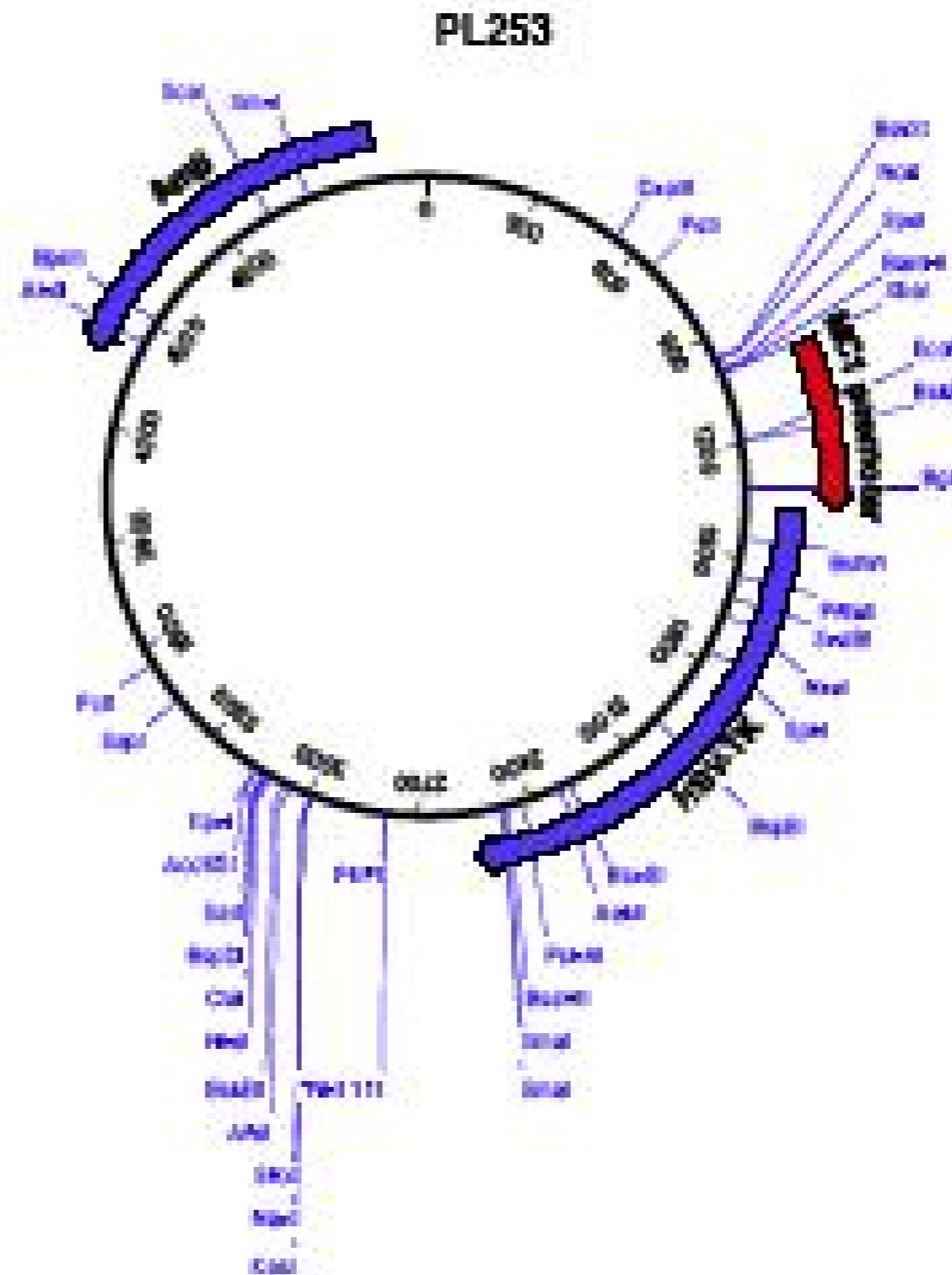
Reporter gene

Promoter, splice, PolyA

Comments Look at the map attached!

Sequence of the two inserts with flanking, NotI and EcoRV, and flanking EcoRV and SpeI is available.

Reference



Construct number

2057

Date entered

15.2.07

Constructed by

Simon Dowell's lab

Date constructed

PLASMID NAME

p426GPD

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA GPD

Comments

Reference J Biol Chem. 2003 Mar 28;278(13):11312-9. Epub 2002 Dec 19.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 19.2.07

Constructed by Deo Prakash Pandey

Date constructed Feb 2007

PLASMID NAME

3xFLAG/MCS

bacterial marker Amp+Kan

vertebrate marker Neo (G418)

parent vector
p3xFLAG-CMV-10

bacterial plasmid
pBR322

other relevant source constructs
p3xFLAG-ratGPR30, EGFP-CI

Inserts The Restriction sites between HindIII and BamHI was retrieved from EGFP-CI and ligated in 3xFLAG.

Now the RE map of MCS:

HindIII – EcoRI – PstI – Sall – KpnI – SacII – ApaI – XmaI – BamHI

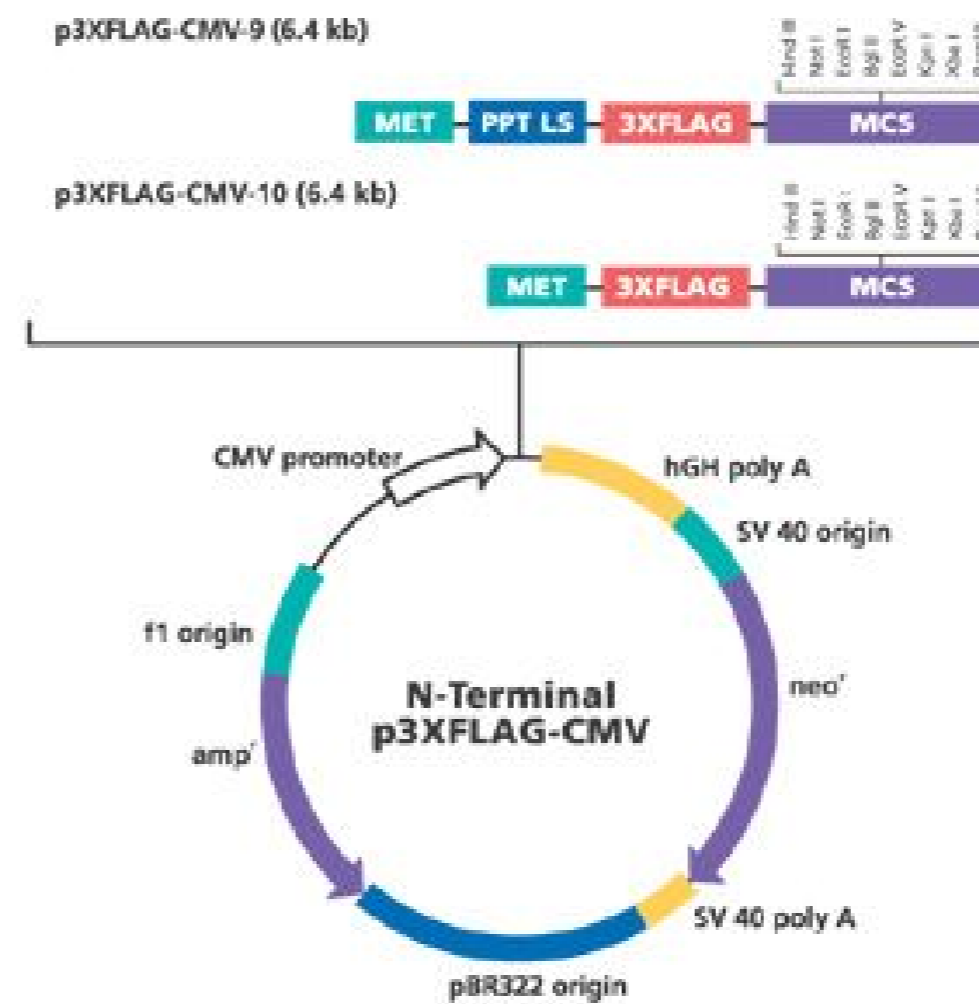
Reporter gene

Promoter,
splice,
PolyA

Comments Sequence of p3xFLAG-CMV-10 without any inserts is available. Sequence of new MCS with the correct frame is also available. Sequence of the vector with the new MCS in extra stuff.

Keep in mind that the MCS is totally different from 3xFLAG-CMV MCS,

Reference



Multiple Cloning Site
(p3xFLAG-CMV-9* and p3xFLAG-CMV-10)

3xFLAG Peptide Sequence

Met* Asp Tyr Lys Asp His Asp Gly Asp Tyr Lys Asp His Asp His
 ATG GAC TAC AAA GAC CAT GAC GGT GAT TAT AAA GAT CAT GAC ATC
 TAC CTG ATC TTT CTG GTA CTG CCA GTA ATA TTT GTA GTA CTG TAG

3xFLAG Peptide Sequence

Asp Tyr Lys Asp Asp Asp Asp Lys Met EcoRI
 GAT TAC AAG GAT GAC GAT GAC AAG CTT GCG GCC GCG AAT TCA TCG ATA
 CTA ATG TTC GTA CTG GTA CTG TTC GAA GCG CCG CCG TTA AAT ACC GAT
 Hind III

Bgl II EcoRV Kpn I Xba I Bam HI
 GAT CTG ATA TCG GTA CCA GTC GAC TCT AAT GGA TCC CCG GTC
 CTA GAC TAT ACC CAT GAT CAG CTG AAT TCT CTT AGG CCC GAC

*For pFLAG-CMV-9, the Met-preprotrypsin leader sequence (PPT L5) precedes the FLAG coding sequence.

Construct number Date entered 23.2.07
 Constructed by Novagen (commercial) Date constructed

PLASMID NAME

pET-45b(+)

bacterial marker Amp	parent vector bacterial plasmid pBR322 other relevant source constructs
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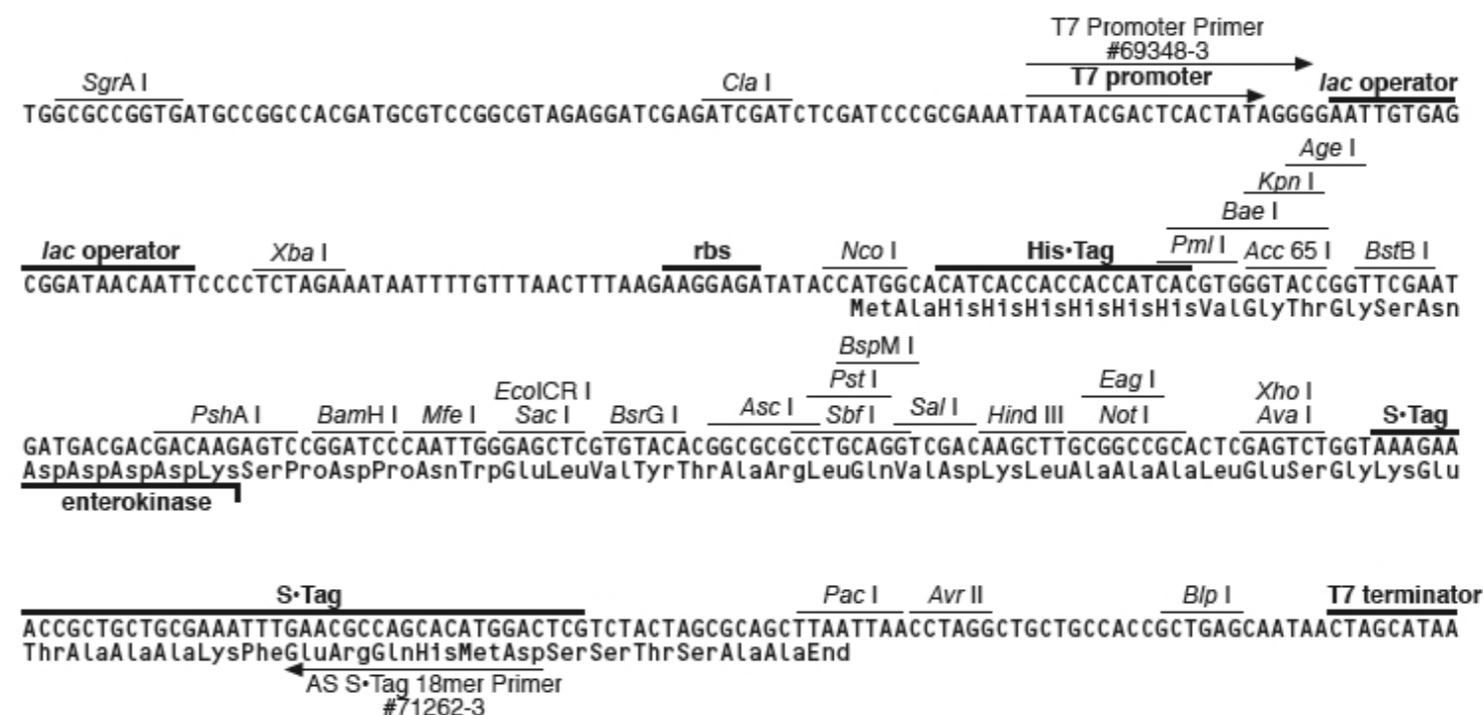
Inserts E. coli expression vector. Contains T7 promoter, lac operator, AUG, His-tag, enterokinase cut site, polylinker, S-tag, T7 terminator.
 Plasmid carries lacI gene.

Reporter gene

Promoter, splice, PolyA T7 promoter, lac operator, and T7 transcription terminator

Comments sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2060

Date entered

27.2.07

Constructed by

Sophie Carascossa

Date constructed

PLASMID NAME

pYes3XFLAG-hGPR30

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYes2

bacterial plasmid

other relevant source constructs

Inserts

human GPR30 with a 3xFLAG in Nt, amplified from p3xFLAG-hGPR30 (nr 2014) and cloned into pYes at BamHI site.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

2061

Date entered

27.2.07

Constructed by

Sophie Carascossa

Date constructed

PLASMID NAME

BS-SPBP(608-1079)

bacterial marker Amp

parent vector

Bluescript M13+

bacterial plasmid

other relevant source constructs

Inserts

fragment 608-1079 (aa) cut from pCDNA-HA-SPBP with EcoRI and SmaI, and cloned into Bluescript at Eco/Sma sites

Reporter gene

Promoter,
splice,
PolyA

Comments intermediary cloning for directed mutagenesis

Reference

Construct number

2062

Date entered

5.3.07

Constructed by

Mike Stallcup's lab

Date constructed

PLASMID NAME

pGEX-4T1 CARM1

bacterial marker Amp

parent vector

bacterial plasmid

pBR?

other relevant source constructs

Inserts GST fusion of mouse CARM1 (aa 3-608)

Reporter gene

Promoter,
splice,
PolyA Ptac

Comments - CARM1 sequence in 3.2 kb EcoRI fragment from pSG5.HA-CARM1
- vector also contains lacIq gene

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

2063

Date entered

6.3.07

Constructed by

Pierre-André Briand

Date constructed

03.2007

PLASMID NAME

pHAGE-UBC-p23Y9F

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pHAGE-UBC-p23

bacterial plasmid

other relevant source constructs

pLmp23Y9F

Inserts

Lentiviral vector with internal UBC promoter for expression of Y9F mutant of mouse p23 and ZsGreen from IRES.

Reporter gene

Promoter,
splice,
PolyA UBC promoter

Comments

- ZsGreen like GFP but brighter
- see pHAGE-UBC-p23 for further details
- p23 codon 9 is changed to TTC

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

2064

Date entered

6.3.07

Constructed by

Pierre-André Briand

Date constructed

03.2007

PLASMID NAME

pHAGE-UBC-p23W106A

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pHAGE-UBC-p23

bacterial plasmid

other relevant source constructs

pLmp23W106A

Inserts

Lentiviral vector with internal UBC promoter for expression of W106A mutant of mouse p23 and ZsGreen from IRES.

Reporter gene

Promoter,
splice,
PolyA UBC promoter

Comments

- ZsGreen like GFP but brighter
- see pHAGE-UBC-p23 for further details
- p23 codon 106 is changed to GCG (and codon 110 from GAG to GAA)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.3.07

Constructed by Deo Prakash Pandey

Date constructed 31.5.06

PLASMID NAME

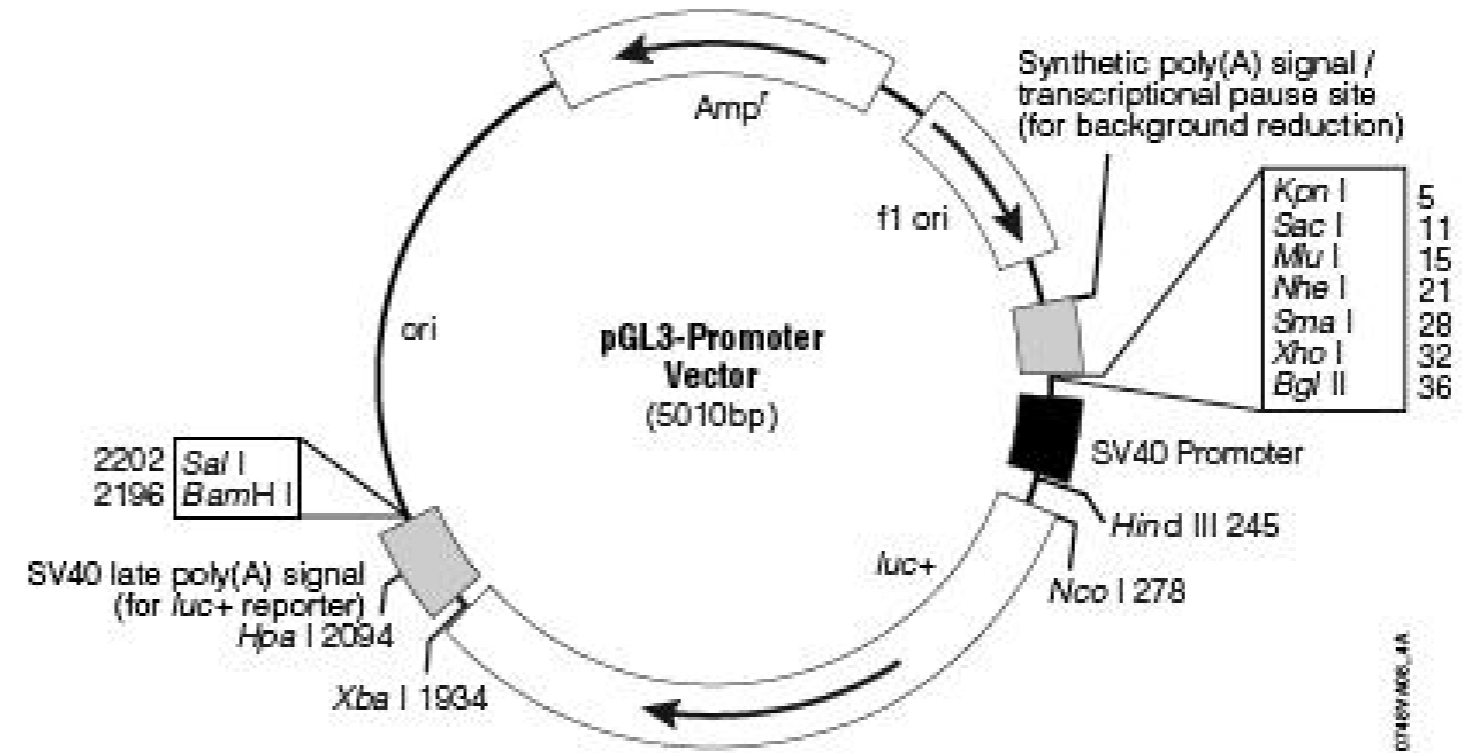
pGL3.spbp_3UTR

bacterial marker Amp	parent vector
	bacterial plasmid
	other relevant source constructs pGL3-CMV.luc

Inserts	3'UTR of SPBP (TCF20) was amplified from genomic DNA with XbaI restriction site at the ends and ligated into pGL3 at the XbaI site.
Reporter gene	<input type="text" value="luciferase"/>
Promoter, splice, PolyA	CMV

Comments Sequences available!

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 2066

Date entered 20.3.07

Constructed by Pierre-André Briand

Date constructed 03.2007

PLASMID NAME

pET/mCARM1

bacterial marker Amp

parent vector

pET-15b

bacterial plasmid

pBR322

other relevant source constructs

PCR of pGEX-4T-CARM1

Inserts E. coli expression vector for His6-tagged mouse CARM1 (separated by thrombin cut site).

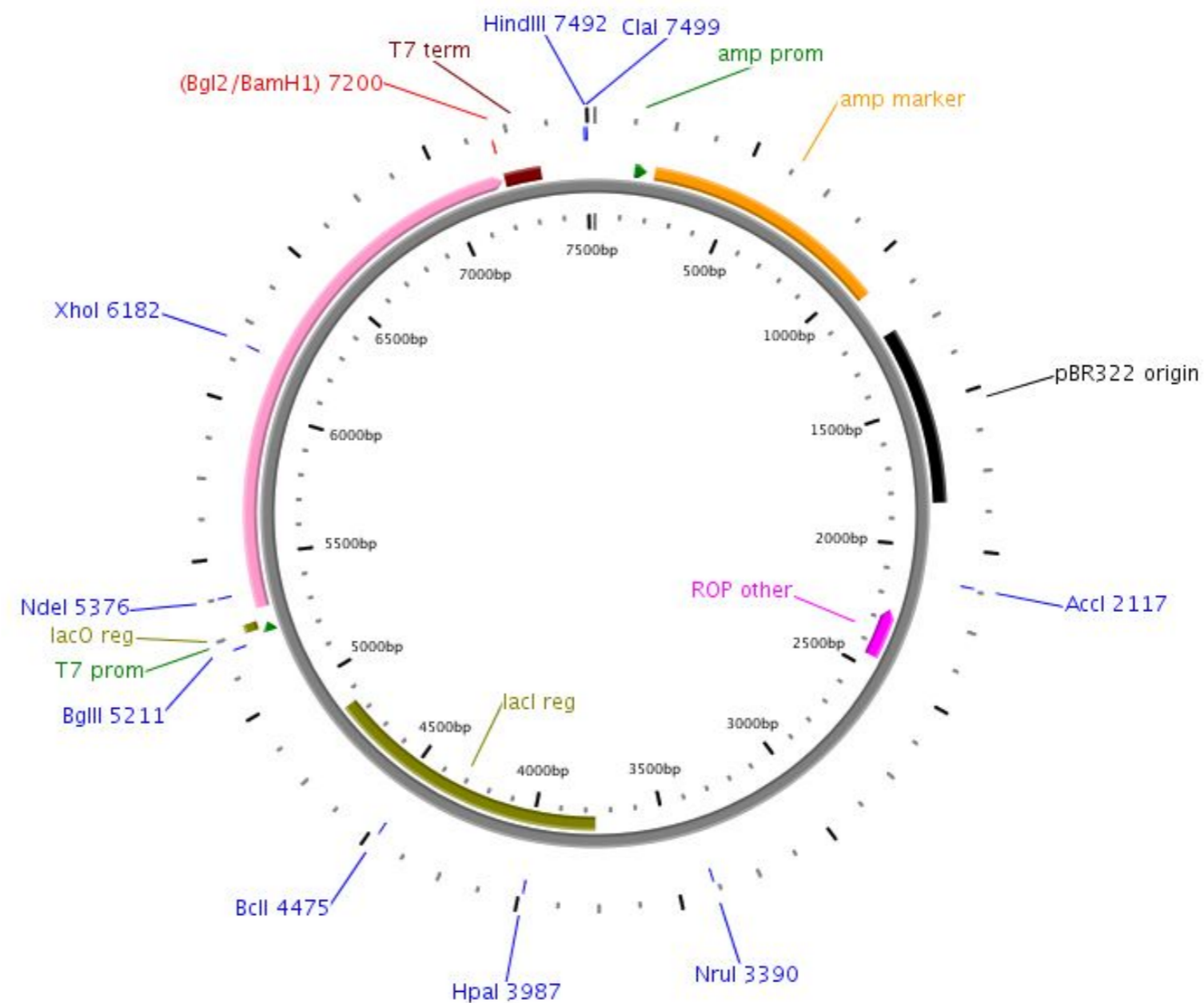
Reporter gene

Promoter, splice, PolyA T7 promoter, lac operator, and terminator

Comments

- one N-terminal Ala of CARM1 is missing (only 4 instead of 5).
- sequence available
- Plasmid carries lacI gene.

Reference



Open Biosystems

Construct number

2067

Date entered

21.3.07

Constructed by

Open Biosystems

Date constructed

PLASMID NAME

sh1_htrap1

old name

hTrap1 shRNA673

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts

hairpin sequence targeting Trap1

CCGGCGACATGAAACCGTCCATGTTCTCGAGAACATGGACGGTTTCA
TGTCGTTTTTG

loop

target sequence of the transcript

5' CGACATGAAACCGTCCATGTT 3'

THIS WORKS

Reporter gene

Promoter,
splice,
PolyA

Comments

Downregulates GFP-Trap1 after 72h of co-expression
Downregulates endogenous trap1 in HeLa cells 96h after transfection

Reference

<http://www.openbiosystems.com/CloneInfo.aspx?cloneId=9627857>
catalogue number RHS3979-9627857
oligo ID:TRCN0000060673

Open Biosystems

Construct number

2068

Date entered

21.3.07

Constructed by

Open Biosystems

Date constructed

PLASMID NAME

sh2_htrap1

old name

hTrap1 shRNA675

bacterial marker Amp

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts

hairpin sequence

CCGGAGCAAGATCATCGGCCAGTTTCTCGAGAAACTGGCCGATGAT
CTTGCTTTTTTG

loop

targeting anti-sense sequence

AGCAAGATCATCGGCCAGTTT

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference <http://www.openbiosystems.com/CloneInfo.aspx?cloneId=9627859>

catalogue number RHS3979-9627859

Open Biosystems

Construct number

2069

Date entered

21.3.07

Constructed by

Open Biosystems

Date constructed

PLASMID NAME

sh3_htrap1

old name

hTrap1 shRNA676

bacterial marker

Amp

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts

hairpin sequence

CCGGGCGCTCATCAAGAAGCTGAATCTCGAGATTCAGCTTCTTGATG
AGCGCTTTTTG

loop

targeting anti-sense sequence

GCGCTCATCAAGAAGCTGAAT

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

<http://www.openbiosystems.com/CloneInfo.aspx?cloneId=9627860>

catalogue number RHS3979-9627860

Open Biosystems

Construct number

2070

Date entered

21.3.07

Constructed by

Open Biosystems

Date constructed

PLASMID NAME

mTrap1 shRNA170

bacterial marker Amp

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts

hairpin sequence

CCGGCCGTTATATTGCTCAGGCTTACTCGAGTAAGCCTGAGCAATAT
AACGGTTTTG
loop

targeting anti-sense sequence

CCGTTATATTGCTCAGGCTTA

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference <http://www.openbiosystems.com/CloneInfo.aspx?cloneId=98495101>

catalogue number RMM3981-98495101

Open Biosystems

Construct number

2071

Date entered

21.3.07

Constructed by

Open Biosystems

Date constructed

PLASMID NAME

mTrap1 shRNA171

bacterial marker Amp

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts

hairpin sequence

CCGGGCAAGACATCAAGGAGGATATCTCGAGATATCCTCCTTGATGT
CTTGCTTTTTG

loop

targeting anti-sense sequence

GCAAGACATCAAGGAGGATAT

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference <http://www.openbiosystems.com/CloneInfo.aspx?cloneId=98495108>

catalogue number RMM3981-98495108

Open Biosystems

Construct number

2072

Date entered

21.3.07

Constructed by

Open Biosystems

Date constructed

PLASMID NAME

mTrap1 shRNA172

bacterial marker Amp

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts

hairpin sequence

CCGGGCTGACAAGGTTGAAGTCTATCTCGAGATAGACTTCAACCTTG
TCAGCTTTTTG

loop

targeting anti-sense sequence

GCTGACAAGGTTGAAGTCTAT

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference <http://www.openbiosystems.com/CloneInfo.aspx?cloneId=98495114>

catalogue number RMM3981-98495114

Open Biosystems

Construct number

2073

Date entered

21.3.07

Constructed by

Open Biosystems

Date constructed

PLASMID NAME

mTrap1 shRNA173

bacterial marker Amp

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts

hairpin sequence

CCGGCCTTAATGGAAAGCGGATTAAC**CTCGAG**TTAATCCGCTTTCCATT
AAGGTTTTTG

loop

targeting anti-sense sequence

CCTTAATGGAAAGCGGATTAAC

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference <http://www.openbiosystems.com/CloneInfo.aspx?cloneId=98495121>

catalogue number RMM3981-98495121

Open Biosystems

Construct number

2074

Date entered

21.3.07

Constructed by

Open Biosystems

Date constructed

PLASMID NAME

mTrap1 shRNA174

bacterial marker Amp

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts

haitpin sequence

CCGGGCGTGGATGAGAAATGCACTACTCGAGTAGTGCATTTCATC
CACGCTTTTTG
loop

targeting anti-sense sequence

GCGTGGATGAGAAATGCACTA

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference <http://www.openbiosystems.com/CloneInfo.aspx?cloneId=98495128>

catalogue number RMM3981-98495128

Open Biosystems

Construct number

Date entered 22.3.07

Constructed by Open Biosystems

Date constructed

PLASMID NAME

sh1_hGPR30

bacterial marker Amp

vertebrate marker Puromycin

eucaryotic replicon

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts

The hairpin sequence:

CCGGCGAGTTAAAGAGGAGAAGGAACTCGAGTTCCTTCTCCTCTTTAACTCGTTT

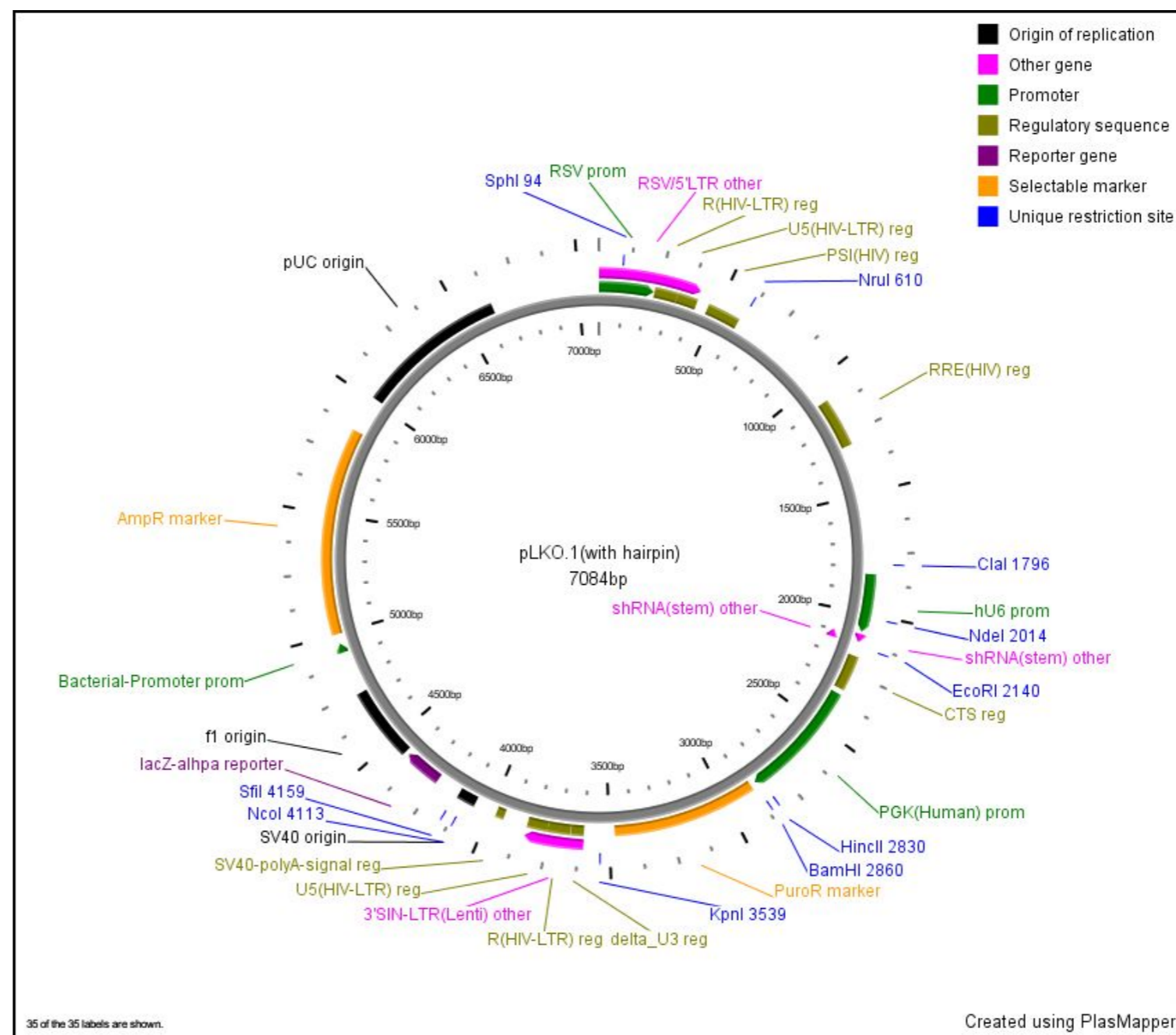
The targeting anti-sense sequence: **TTCCTTCTCCTCTTTAACTCG**

Reporter gene

Promoter, splice, PolyA U6

Comments Length of hGPR30 transcript: 2857, orf: 760..1889
Target shRNA: 2412..2432

Reference http://www.biocat.de/cgi-bin/search/clone_query.pl?query=RHS3979-9578312
clone-id:TRCN0000008873



Open Biosystems

Construct number

Date entered 22.3.07

Constructed by Open Biosystems

Date constructed

PLASMID NAME

sh2_hGPR30

bacterial marker Amp

parent vector

pLKO.1

vertebrate marker Puromycin

bacterial plasmid

other relevant source constructs

Inserts

The hairpin sequence:

CCGGCTCCCTCATTGAGGTGTTCAACTCGAGTTGAACACCTCAATGAGGGAGTTT

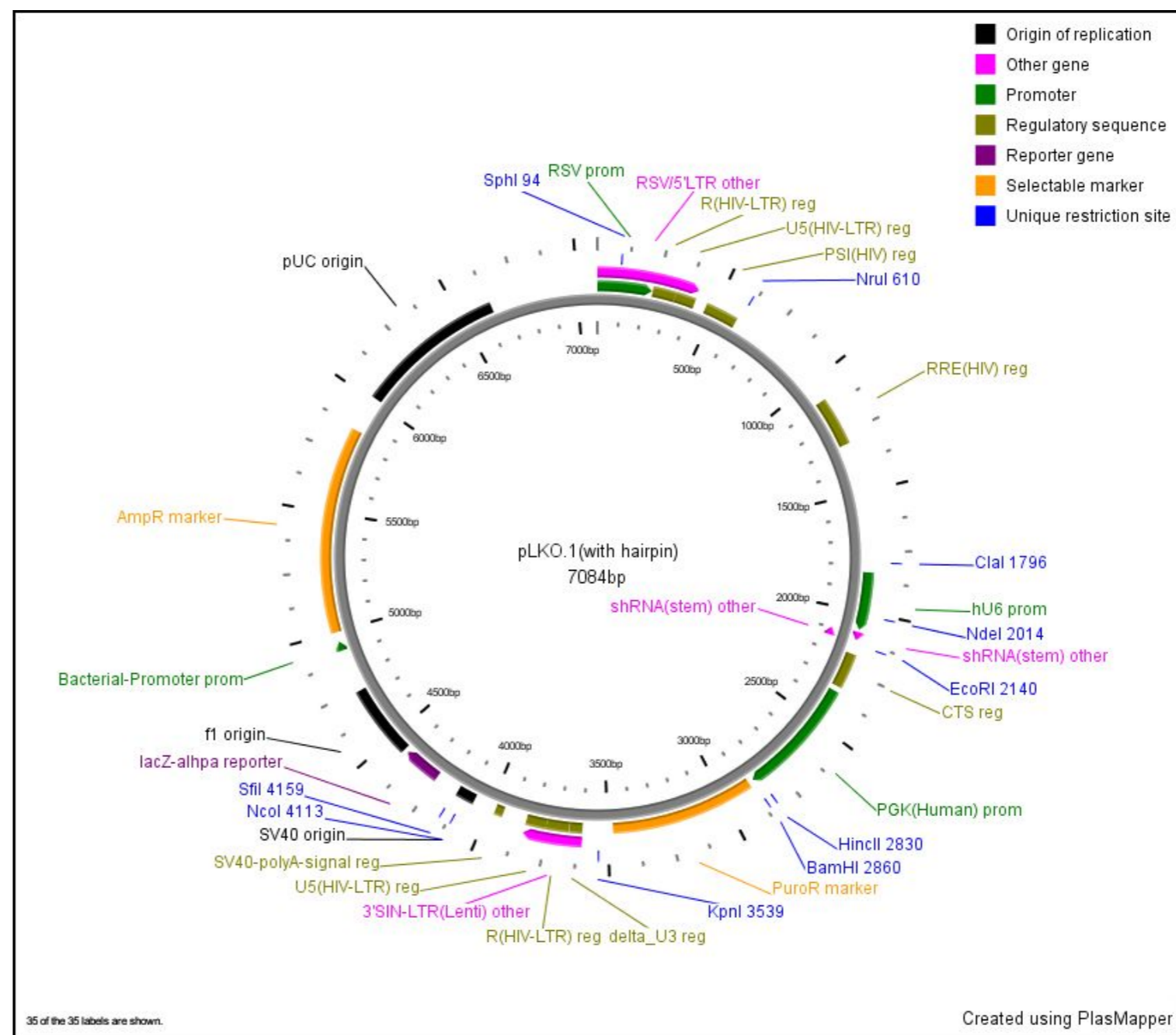
The targeting anti-sense sequence: **TTGAACACCTCAATGAGGGAG**

Reporter gene

Promoter, splice, PolyA **U6**

Comments **Length of hGPR30 transcript: 2857, orf: 760..1889**
Target shRNA: 1093..1113

Reference http://www.biocat.de/cgi-bin/search/clone_query.pl?query=RHS3979-9578313
clone-id:TRCN0000008874



Construct number 2077

Date entered 22.3.07

Constructed by Open Biosystems

Date constructed

PLASMID NAME

sh3_hGPR30

bacterial marker Amp

vertebrate marker Puromycin

eukaryotic replicon SV40 ori

parent vector pLKO.1

bacterial plasmid pUC

other relevant source constructs

Inserts

The hairpin sequence:

CCGGCGCTCCCTGCAAGCAGTCTTTCTCGAGAAAGACTGCTTGCAGGGAGCGTTT

The targeted sequence: CGCTCCCTGCAAGCAGTCTTT within GPER/GPR30 ORF (does not target GPER rescue mutant)

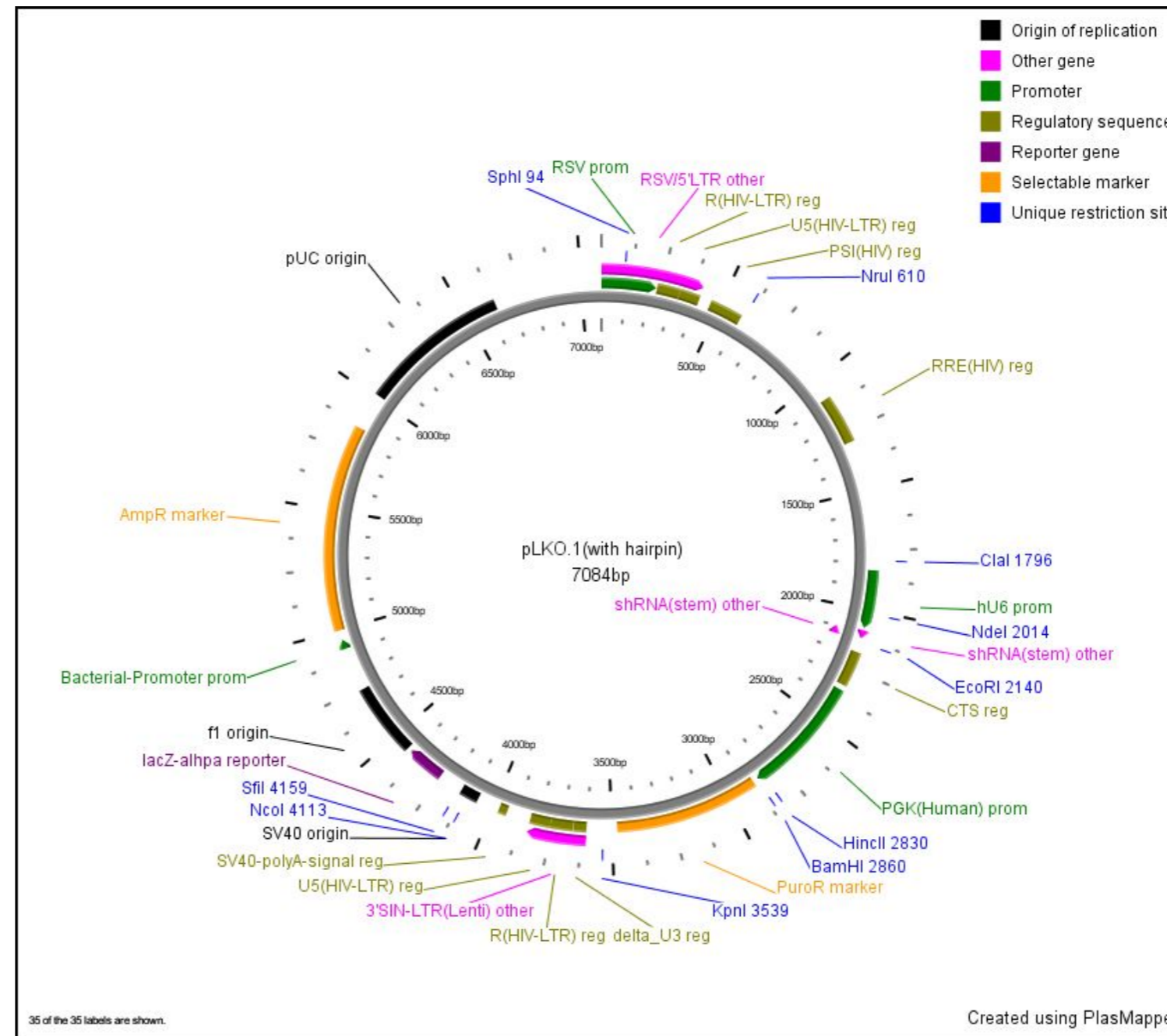
This works!!!

Reporter gene

Promoter, splice, PolyA human U6

Comments Length of hGPR30 transcript: 2857, orf: 760..1889 Target shRNA: 1633..1653

Reference http://www.biocat.de/cgi-bin/search/clone_query.pl?query=RHS3979-9578314 clone-id:TRCN0000008875



Open Biosystems

Construct number

Date entered 22.3.07

Constructed by Open Biosystems

Date constructed

PLASMID NAME

sh4_hGPR30

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts

The hairpin sequence:

CCGGGCAGTACGTGATCGGCCTGTTCTCGAGAACAGGCCGATCACGTACTGCTTT

The targeting anti-sense sequence: **AACAGGCCGATCACGTACTGC**

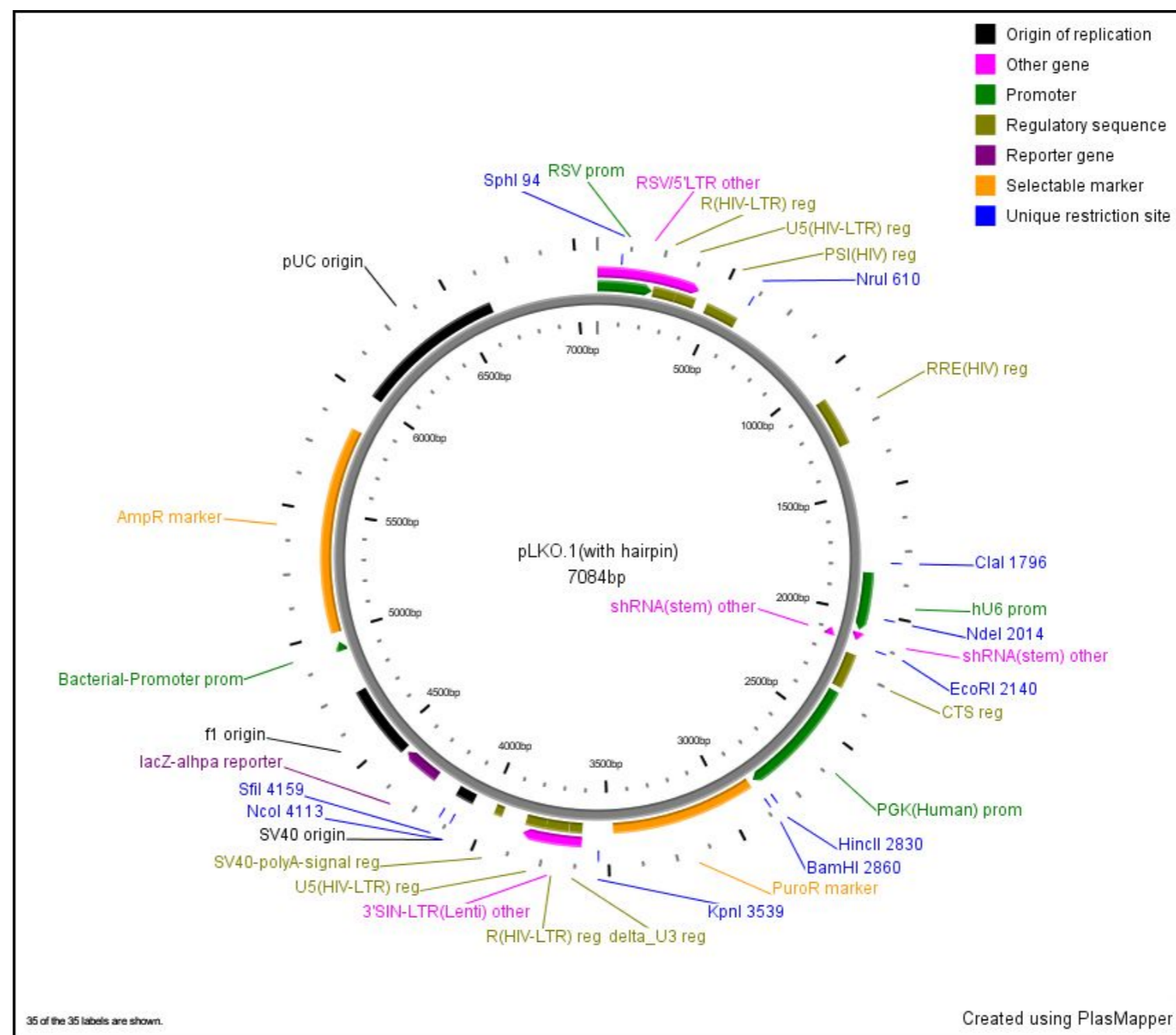
(may not work as well as sh3)

Reporter gene

Promoter, splice, PolyA **U6**

Comments **Length of hGPR30 transcript: 2857,orf: 760..1889**
Target shRNA: 920..940

Reference http://www.biocat.de/cgi-bin/search/clone_query.pl?query=RHS3979-9578315
clone-id:TRCN0000008876



Construct number 2079

Date entered 22.3.07

Constructed by Open Biosystems

Date constructed

PLASMID NAME

pLKO.1

bacterial marker Amp

vertebrate marker Puromycin

eukaryotic replicon SV40 ori

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

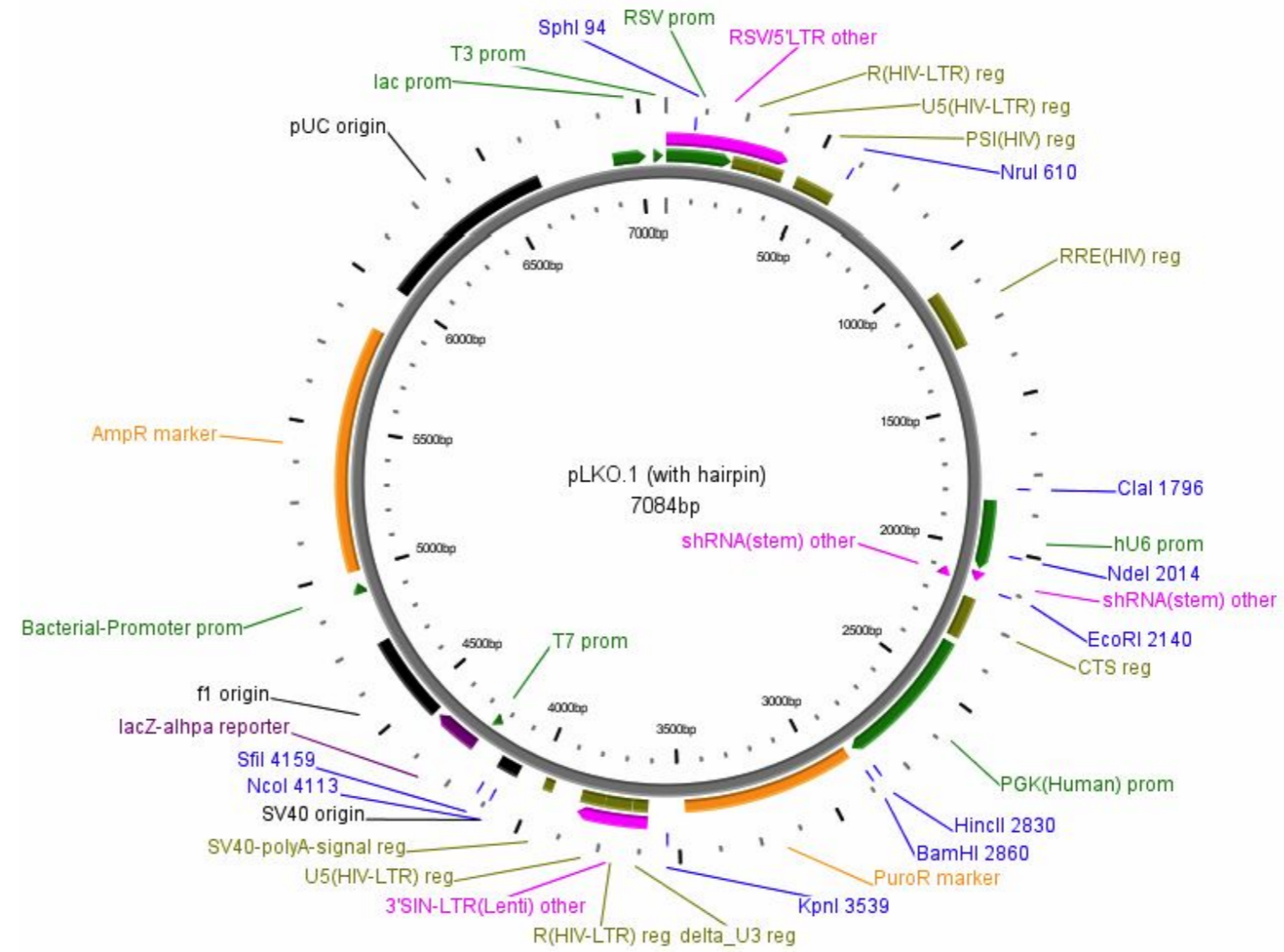
Inserts

Reporter gene

Promoter, splice, PolyA human U6

Comments - Control vector for all the shRNA constructs from open biosystems. - empty vector is 7032 bp (without shRNA hairpin). - Sequencing primer from the web-site: CAAGGCTGTTAGAGAGATAATTGGA (shows partial alignment at: 5285..5302)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 26.3.07

Constructed by Pierre-André Briand

Date constructed 03.2007

PLASMID NAME

pSG5-HA-CARM1(S448A)

bacterial marker Amp

parent vector

pSG5-HA-CARM1

bacterial plasmid

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts full length mouse CARM1 with point mutant S448A, N-terminally HA-tagged

Reporter gene

Promoter, - SV40 early promoter
splice, - T7 promoter
PolyA

Comments - HA epitope is that of 12CA5
- note that 3' UTR is shorter by 1100 bp than indicated in publication and maps by Stallcup lab. See layout "sequence" for details on that portion.
- plasmid recloned by Diana Wider (10.2010)

Reference for wild-type parent vector, see Chen et al. (1999) Science 284, 2174.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 26.3.07

Constructed by Pierre-André Briand

Date constructed 03.2007

PLASMID NAME

pCherry.90 α

Created with SnapGene®

bacterial marker Kan	parent vector pmCherry-C1
vertebrate marker Neo (G418)	bacterial plasmid pUC
eucaryotic replicon SV40 ori	other relevant source constructs pRS313/Hsp90 α

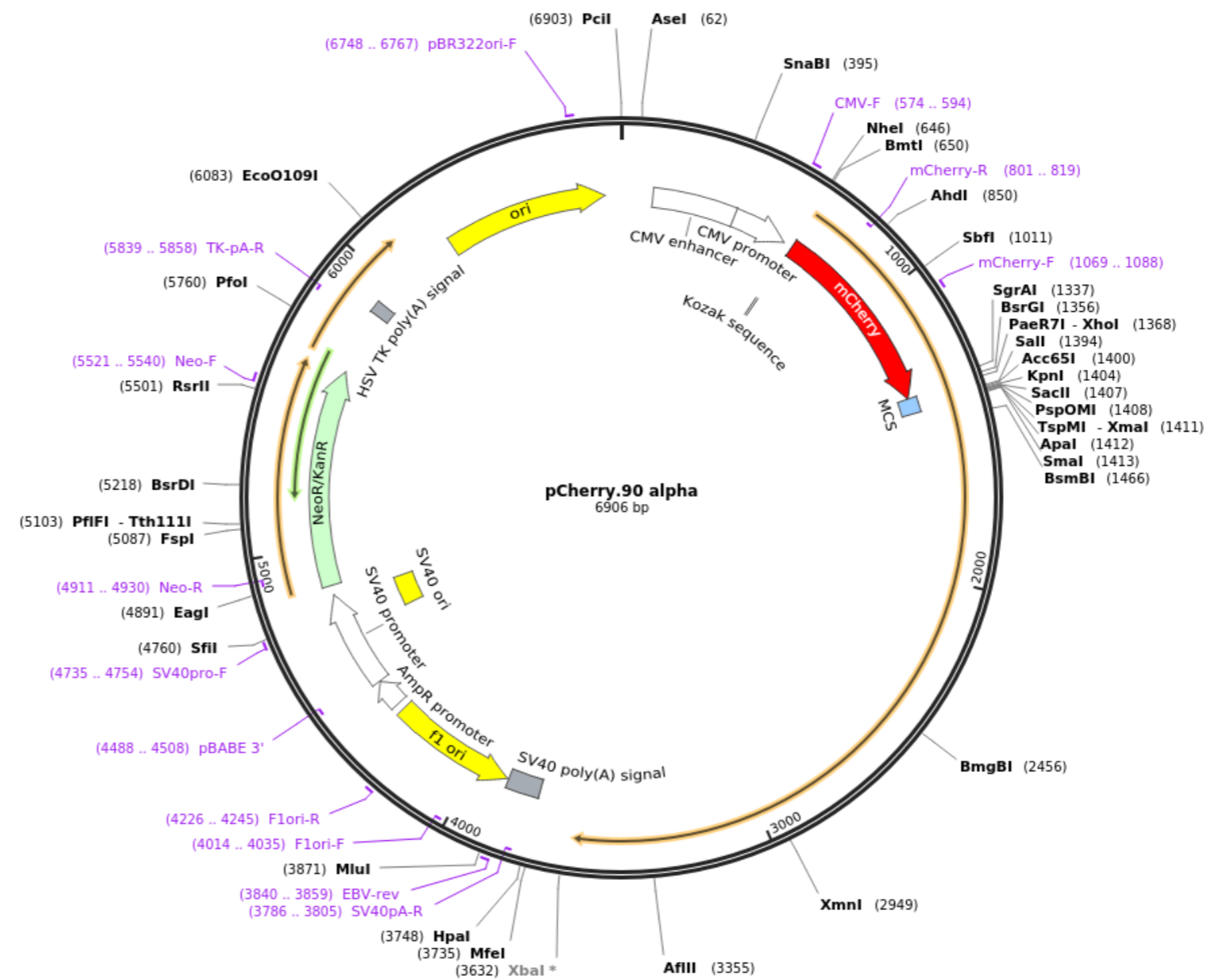
Inserts mCherry fused to human Hsp90 α

Reporter gene

Promoter, splice, PolyA
 - CMV enhancer and promoter
 - SV40 poly A

Comments
 - sequence available (Hsp90 α ORF cloned as BamHI fragment)
 - deposited in Addgene with plasmid ID 108222 (map is from Addgene)

Reference
 for parent plasmid pmCherry-C1: Picard et al. (2006) Exp. Cell Res. 312, 3949
 for this plasmid: Lev et al. (2008) Immunity 28, 787.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 2.4.07

Constructed by Guillaume Mühlebach

Date constructed 27.03.07

PLASMID NAME

pCDNA_Trp1.GST

bacterial marker Amp

parent vector

pCDNA3.1+

bacterial plasmid

other relevant source constructs

pUC/GST, Trap1.EGFP

Inserts Human Trap1 fused to GST

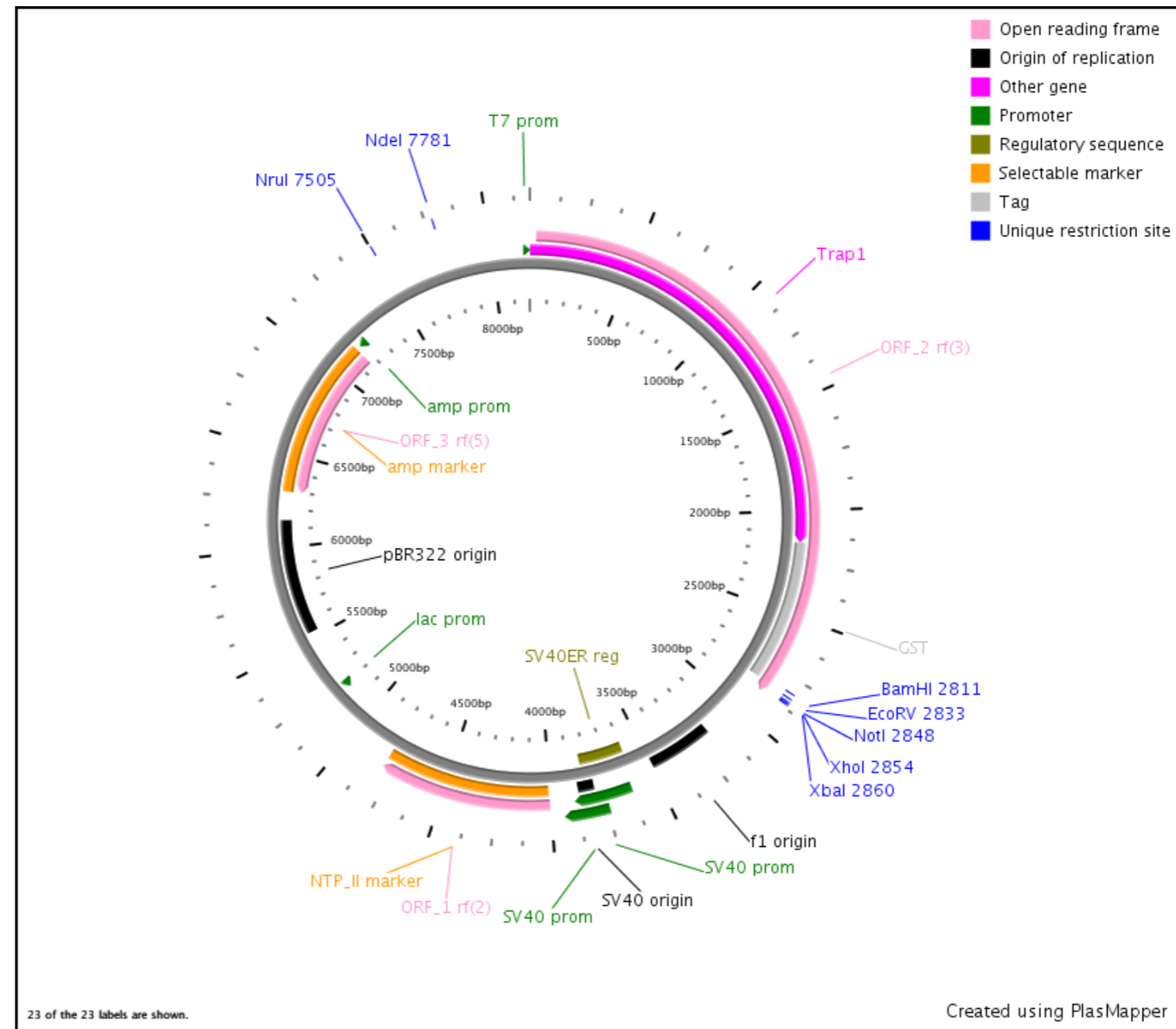
Trap1 (excised from Trap1.EGFP with NheI & Sall) and GST (excised from pUC/GST with Sall & EcoRI) were inserted into pCDNA3.1+ cut with NheI & EcoRI

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Joshi et al. (2020) BMC Biol. 18, 10.



DIDIER PICARD LAB, University of Geneva

Construct number 2084

Date entered 3.4.07

Constructed by Deo Prakash Pandey

Date constructed March 2007

PLASMID NAME

pSR.miR-188

bacterial marker Amp

vertebrate marker Puromycin

parent vector
pSuper-Retro

bacterial plasmid

other relevant source constructs

pSR.miR-009

Inserts miR-188 cloned into pSR to be expressed as an shRNA. pSR was cut with BglIII and XhoI.

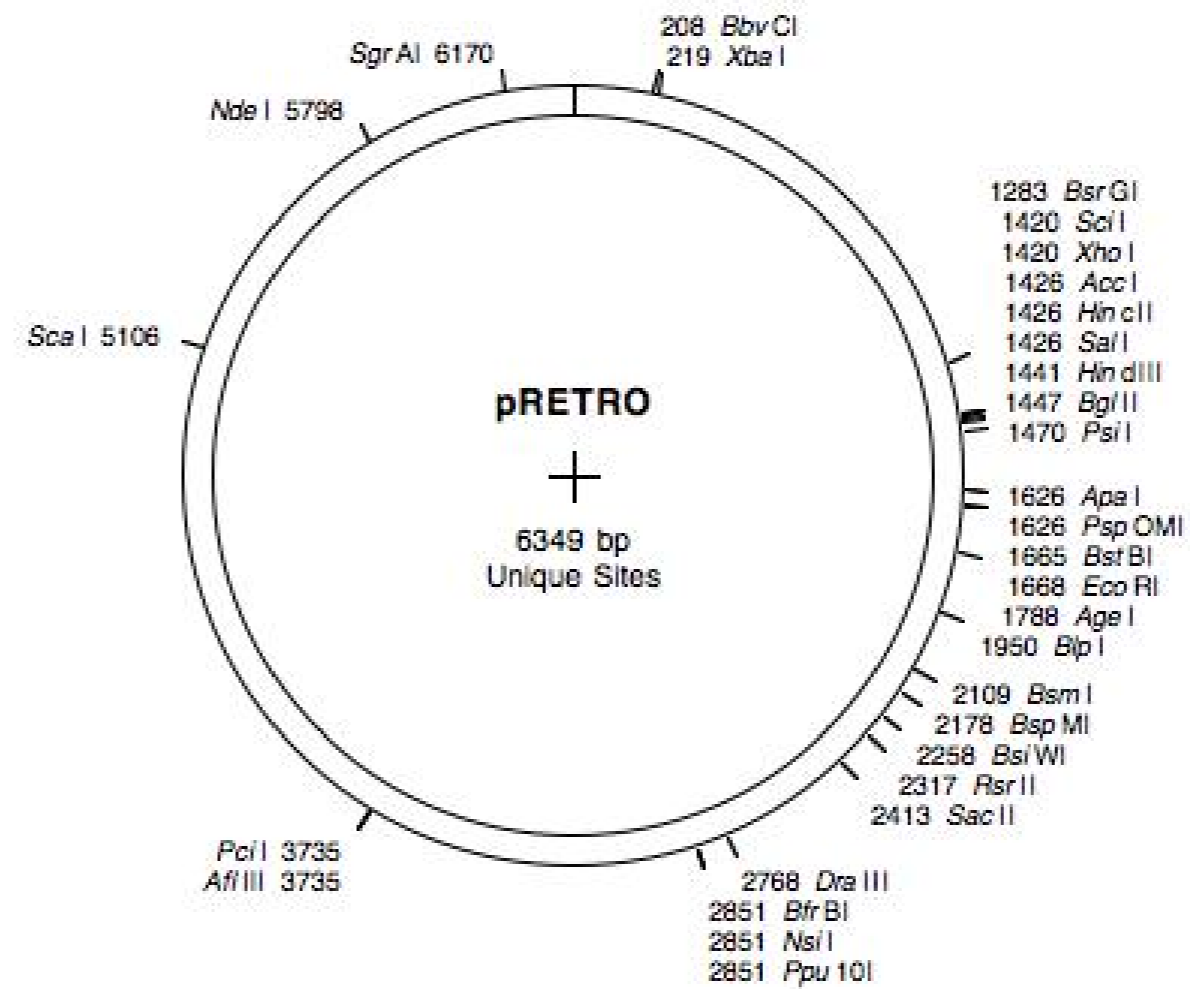
miR-188 CATCCCTTGCATGGTGGAGGGT

Reporter gene

Promoter,
splice,
PolyA

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number 2085

Date entered 3.4.07

Constructed by Deo Prakash Pandey

Date constructed March 2007

PLASMID NAME

pSR.miR-129-5p

bacterial marker Amp

vertebrate marker Puromycin

parent vector
pSuper-Retro

bacterial plasmid

other relevant source constructs

pSR.miR-009

Inserts miR-129-5p cloned into pSR to be expressed as an shRNA. pSR was cut with BglII and XhoI.

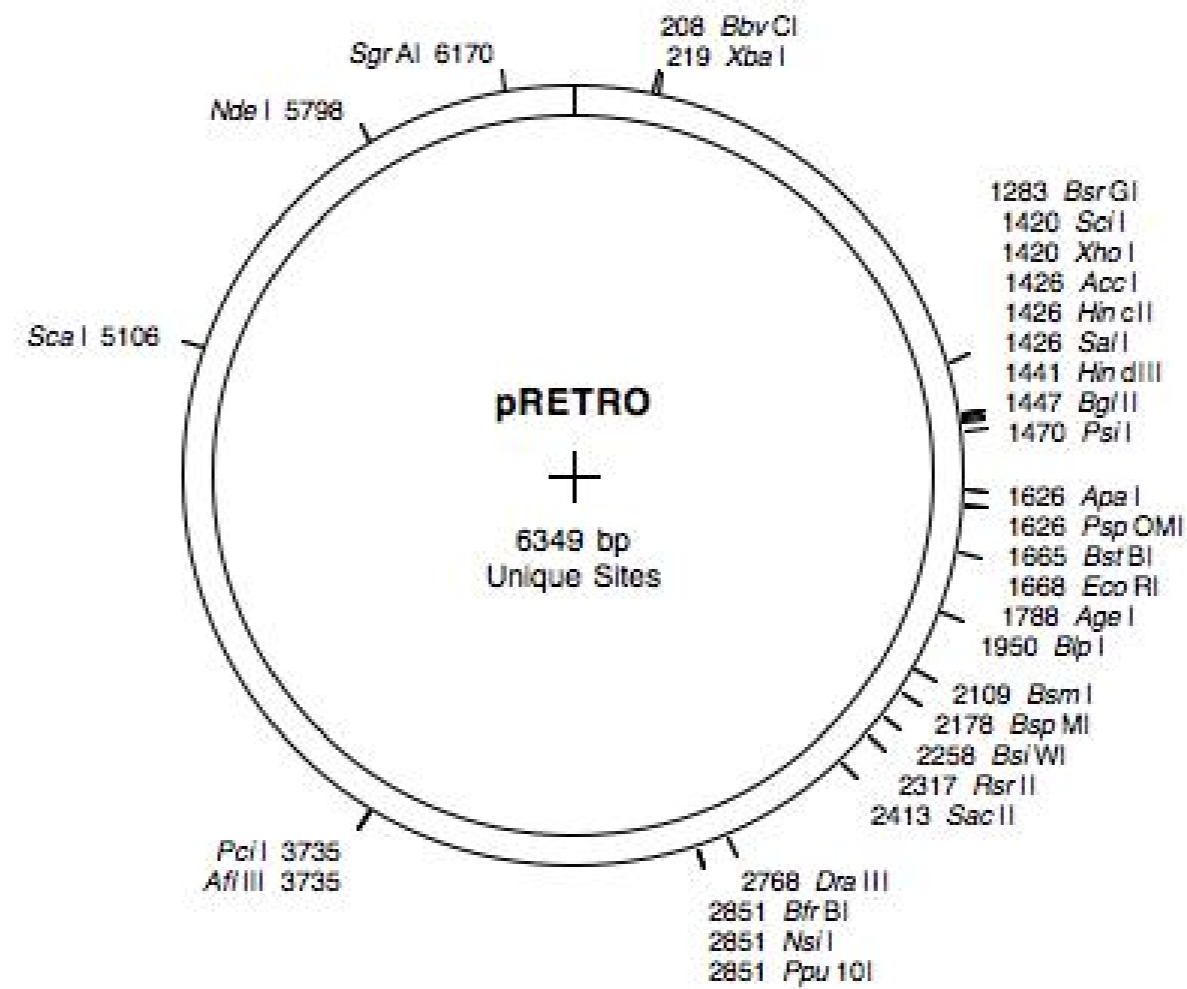
miR-129-5p CTTTTTGGGGTCTGGGCTTGC

Reporter gene

Promoter,
splice,
PolyA

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number 2086

Date entered 3.4.07

Constructed by Deo Prakash Pandey

Date constructed March 2007

PLASMID NAME

pSR.miR-30-3p

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSuper-Retro

bacterial plasmid

other relevant source constructs

pSR.miR-009

Inserts miR-30-3p cloned into pSR to be expressed as an shRNA. pSR was cut with BglII and XhoI.

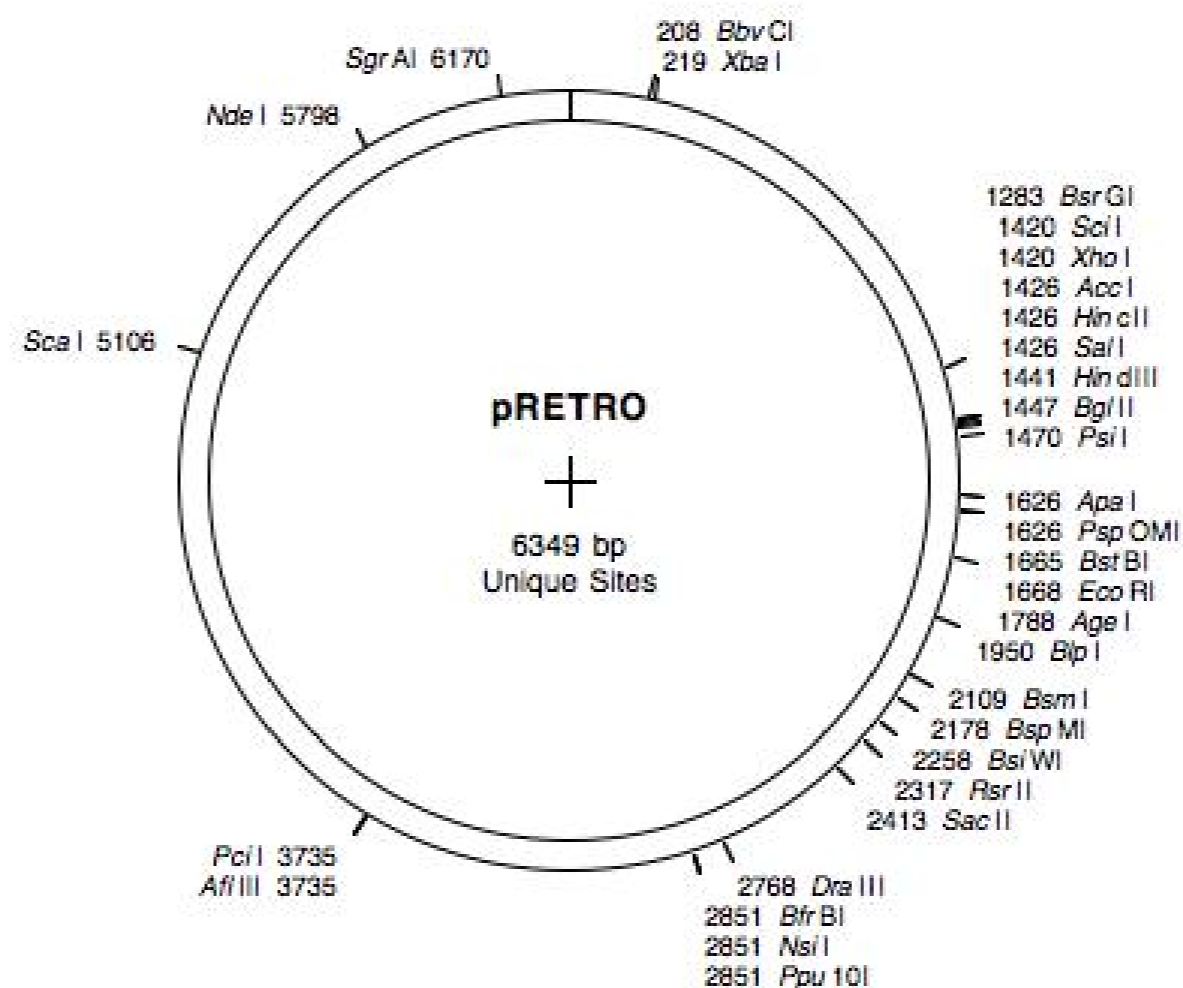
miR-30-3p **TGTAACATCCTCGACTGGAAG**

Reporter gene

Promoter,
splice,
PolyA

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.4.07

Constructed by Deo Prakash Pandey

Date constructed March 2007

PLASMID NAME

pSR.miR-17-5p

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSuper-Retro

bacterial plasmid

other relevant source constructs

pSR.miR-009

Inserts miR-17-5p cloned into pSR to be expressed as an shRNA. pSR was cut with BglII and XhoI.

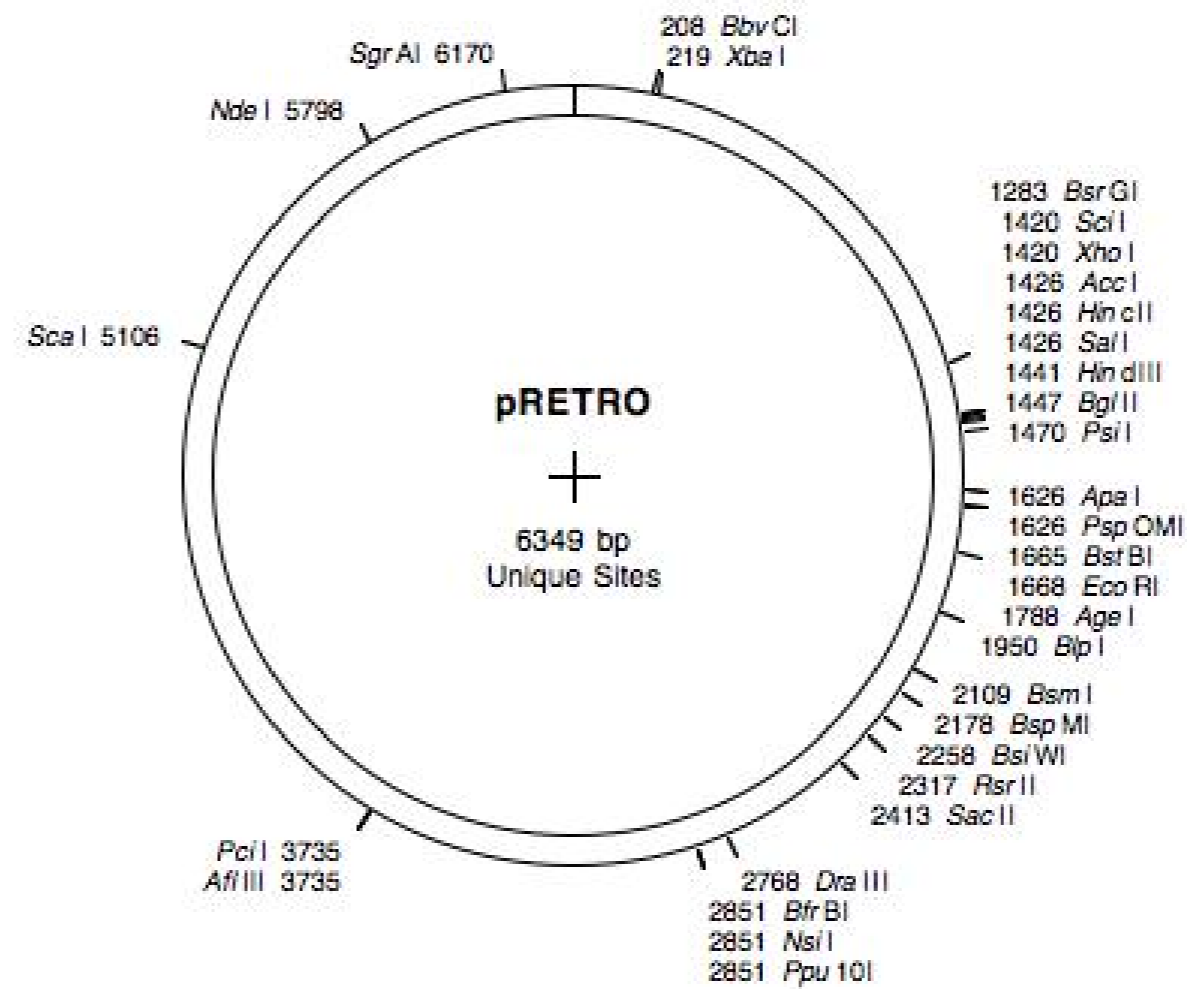
miR-17-5p **CAAAGTGCTTACAGTGCAGGTAGT**

Reporter gene

Promoter,
splice,
PolyA

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number

2088

Date entered

3.4.07

Constructed by

Deo Prakash Pandey

Date constructed

March 2007

PLASMID NAME

pSR.miR-206

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSuper-Retro

bacterial plasmid

other relevant source constructs

pSR.miR-009

Inserts

miR-206 cloned into pSR to be expressed as an shRNA. pSR was cut with BglIII and XhoI.

miR-206

TGGAATGTAAGGAAGTGTGTGG

Reporter gene

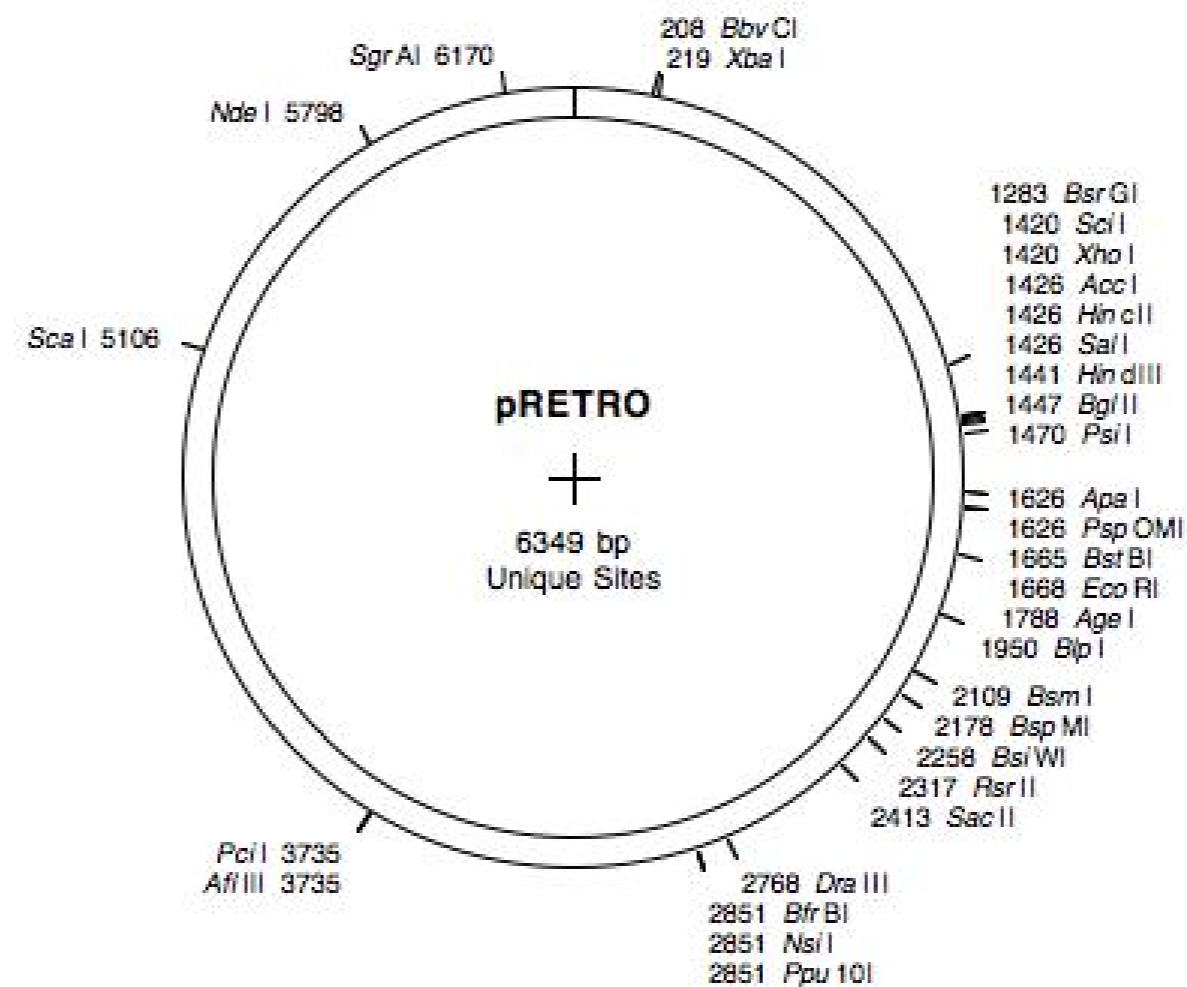
Promoter,
splice,
PolyA

Comments

Insert verified with sequencing. Find the insert (reverse orientation) in sequences

Reference

Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



Open Biosystems

Construct number

Date entered 16.4.07

Constructed by Open Biosystems

Date constructed

PLASMID NAME

sh1_hCTGF

bacterial marker Amp

parent vector

pLKO.1

vertebrate marker Puromycin

bacterial plasmid

other relevant source constructs

Inserts

The hairpin sequence:

CCGGGAGAACATTAAGAAGGGCAAACTCGAGTTGCCCTTCTTAATGTTCTCTTTTTCG

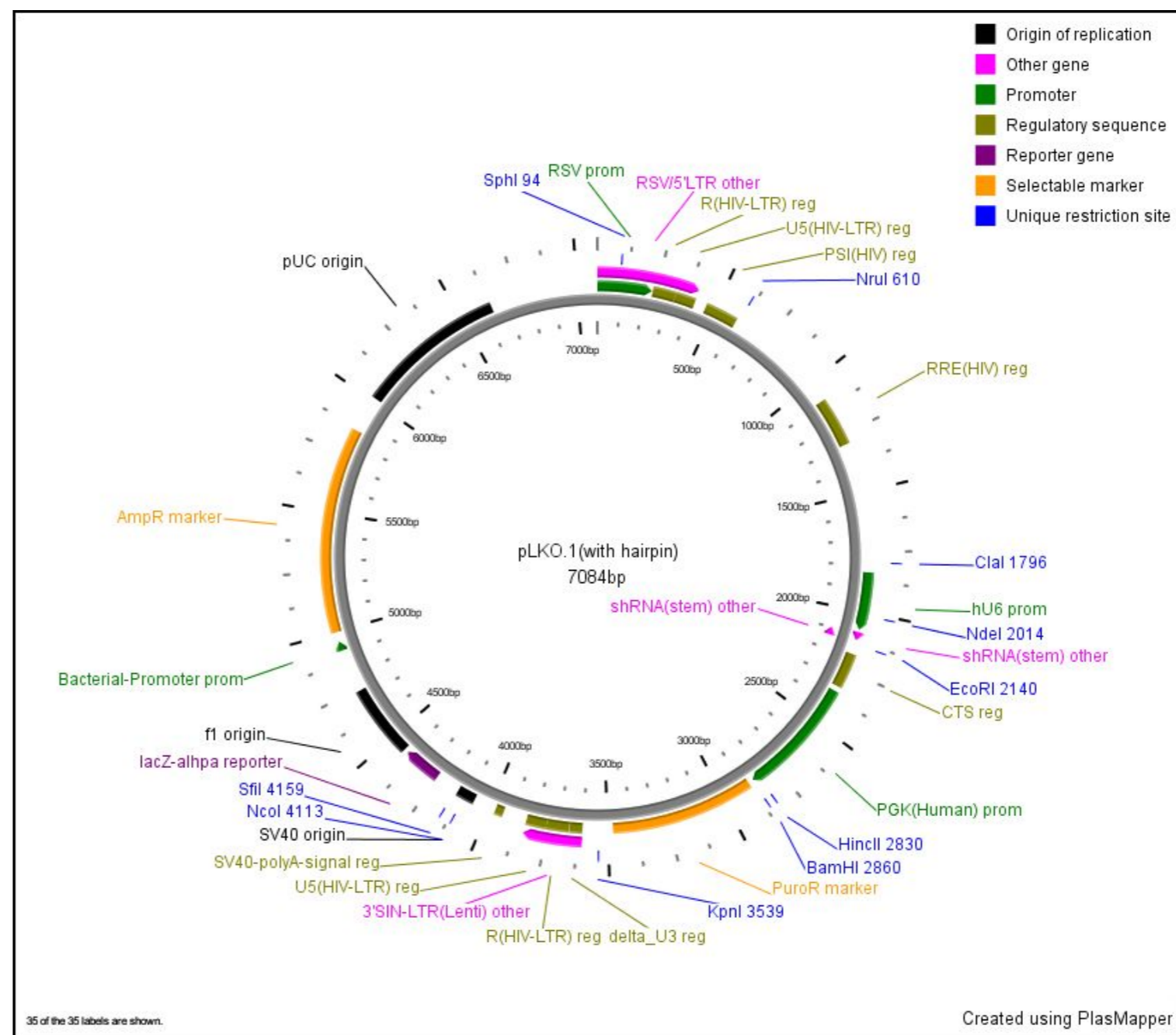
The targeting anti-sense sequence: TTTGCCCTTCTTAATGTTCTC

Reporter gene

Promoter, splice, PolyA U6

Comments Length of hCTGF transcript: 2358, orf: 207..1256
Target shRNA: 948..968

Reference http://www.biocat.de/cgi-bin/search/clone_query.pl?query=RHS3979-9629132
clone-id: TRCN0000061948



Open Biosystems

Construct number

Date entered 16.4.07

Constructed by Open Biosystems

Date constructed

PLASMID NAME

sh2_hCTGF

bacterial marker Amp

parent vector

pLKO.1

vertebrate marker Puromycin

bacterial plasmid

other relevant source constructs

Inserts

The hairpin sequence:

CCGGGCCAGACCCAACCTATGATTACTCGAGTAATCATAGTTGGGTCTGGGC

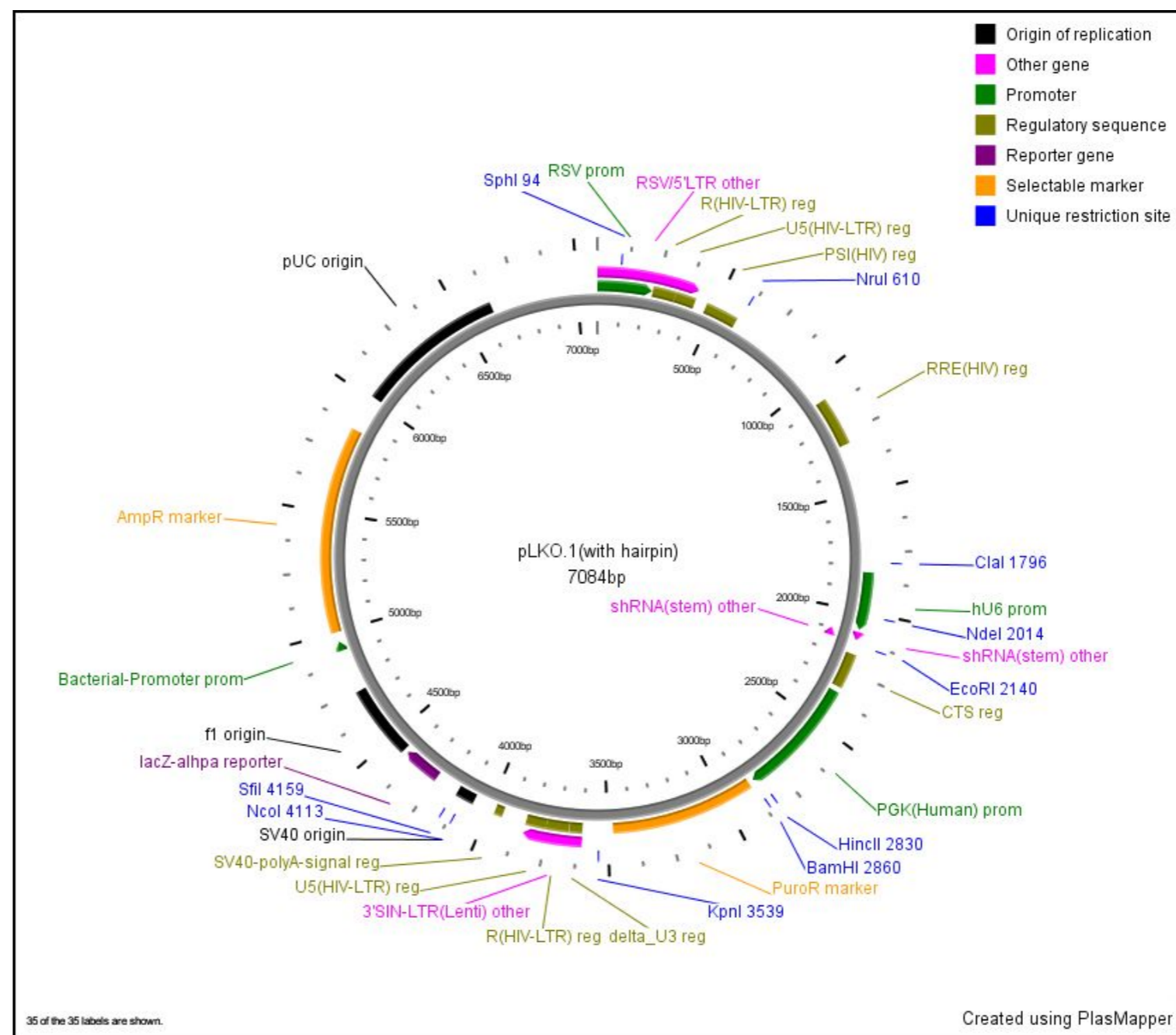
The targeting anti-sense sequence: TAATCATAGTTGGGTCTGGGC

Reporter gene

Promoter, splice, PolyA U6

Comments Length of hCTGF transcript: 2358, orf: 207..1256
Target shRNA: 772..792

Reference http://www.biocat.de/cgi-bin/search/clone_query.pl?query=RHS3979-9629133
clone-id: TRCN0000061949



Open Biosystems

Construct number

Date entered 16.4.07

Constructed by Open Biosystems

Date constructed

PLASMID NAME

sh3_hCTGF

bacterial marker Amp

parent vector

pLKO.1

vertebrate marker Puromycin

bacterial plasmid

other relevant source constructs

Inserts

The hairpin sequence:

CCGGCATCTTTGAATCGCTGTACTACTCGAGTAGTACAGCGATTCAAAGATGTTTTG

The targeting anti-sense sequence: **TAGTACAGCGATTCAAAGATG**

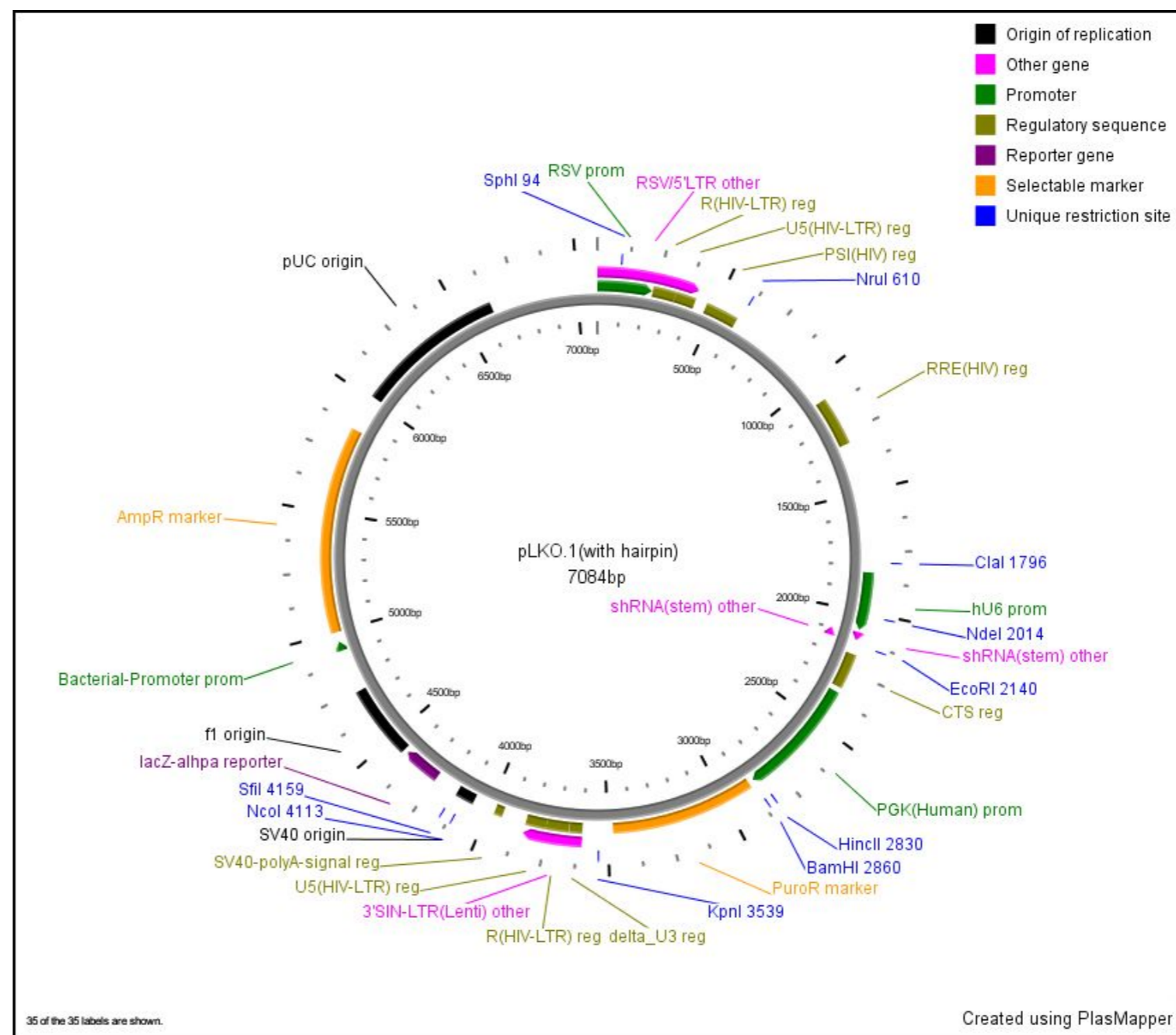
This works!!!

Reporter gene

Promoter, splice, PolyA U6

Comments Length of hCTGF transcript: 2358, orf: 207..1256
Target shRNA: 1208..1228

Reference http://www.biocat.de/cgi-bin/search/clone_query.pl?query=RHS3979-9629134
clone-id: TRCN0000061950



Open Biosystems

Construct number

Date entered 16.4.07

Constructed by Open Biosystems

Date constructed

PLASMID NAME

sh4_hCTGF

bacterial marker Amp

parent vector

pLKO.1

vertebrate marker Puromycin

bacterial plasmid

other relevant source constructs

Inserts

The hairpin sequence:

CCGGGCATGAAGACATACCGAGCTACTCGAGTAGCTCGGTATGCTTCATGCTTTTGG

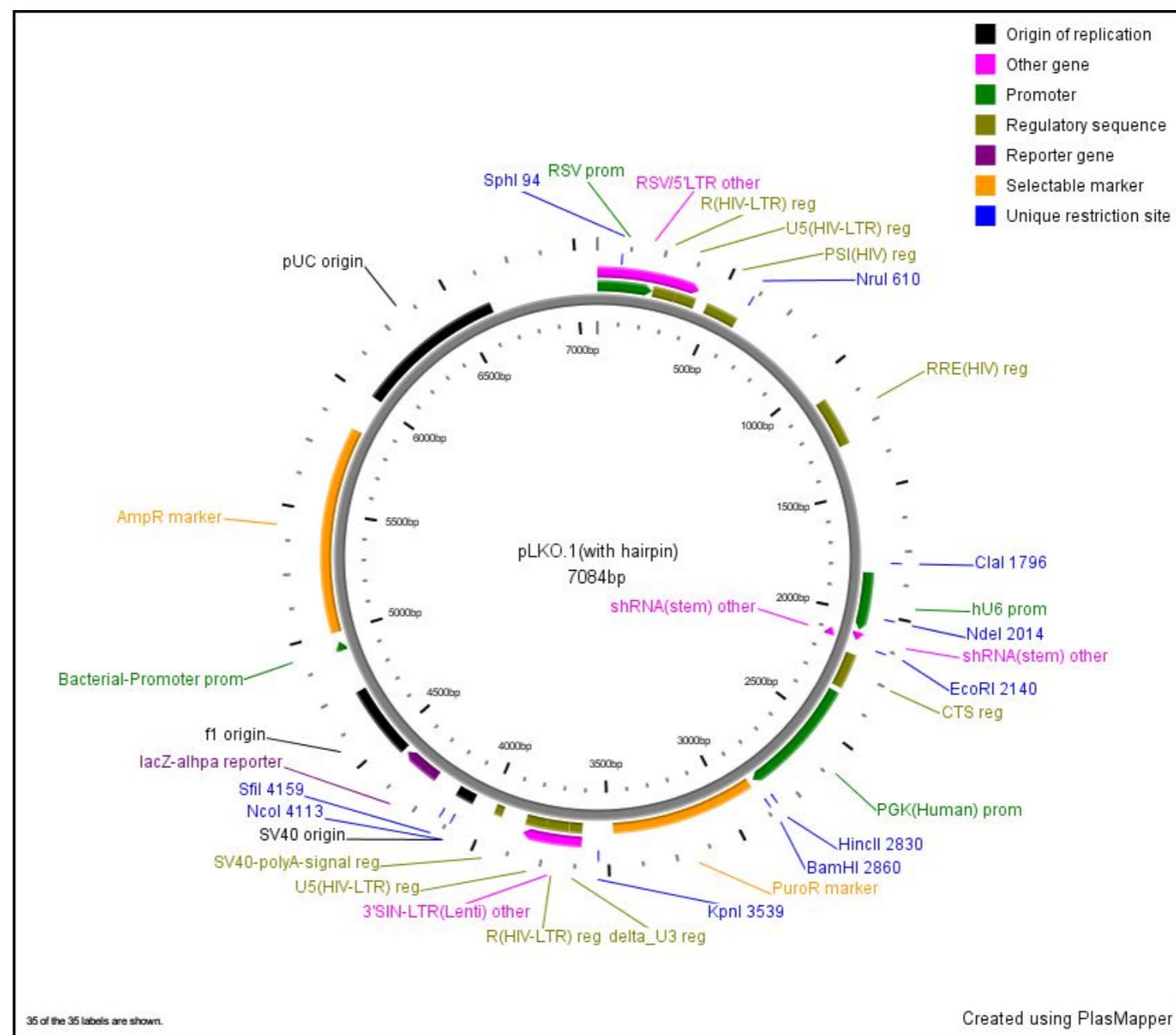
The targeting anti-sense sequence: **TAGCTCGGTATGCTTCATGC**

Reporter gene

Promoter, splice, PolyA **U6**

Comments Length of hCTGF transcript: 2358, orf: 207..1256
Target shRNA: 1030..1050

Reference http://www.biocat.de/cgi-bin/search/clone_query.pl?query=RHS3979-9629135
clone-id: TRCN0000061951



Open Biosystems

Construct number

Date entered 16.4.07

Constructed by Open Biosystems

Date constructed

PLASMID NAME

sh5_hCTGF

bacterial marker Amp

parent vector

pLKO.1

vertebrate marker Puromycin

bacterial plasmid

other relevant source constructs

Inserts

The hairpin sequence:

ccgg**CCCAAGGACCAAACCGTGGTTC**TCGAG**AACCACGGTTTGGTCCTTGGGTTTTTG**

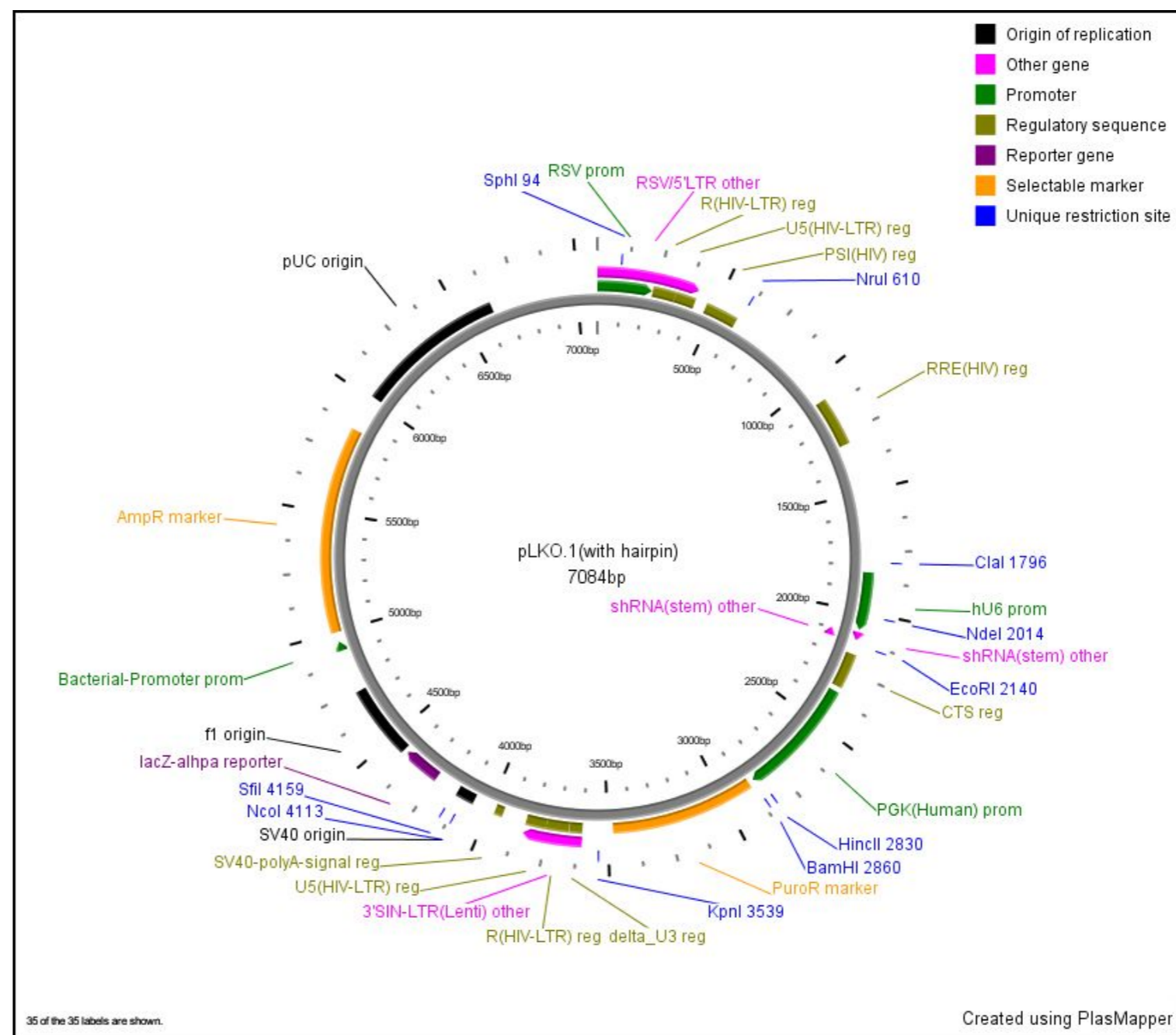
The targeting anti-sense sequence: **AACCACGGTTTGGTCCTTGGG**

Reporter gene

Promoter, splice, PolyA U6

Comments Length of hCTGF transcript: 2358, orf: 207..1256
Target shRNA: **711..731**

Reference http://www.biocat.de/cgi-bin/search/clone_query.pl?query=RHS3979-9629136
clone-id: TRCN0000061952



DIDIER PICARD LAB, University of Geneva

Construct number 2094

Date entered 18.5.07

Constructed by Marie-Pierre Péli-Gulli et Diana

Date constructed 01.07

PLASMID NAME

pRS313 GPD FLAG Hsp82

alternative name

pHGF/Hsp82

<u>bacterial marker</u> Amp	<u>parent vector</u> 1617
<u>yeast marker</u> HIS3	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> CEN/ARS	<u>other relevant source constructs</u> 476

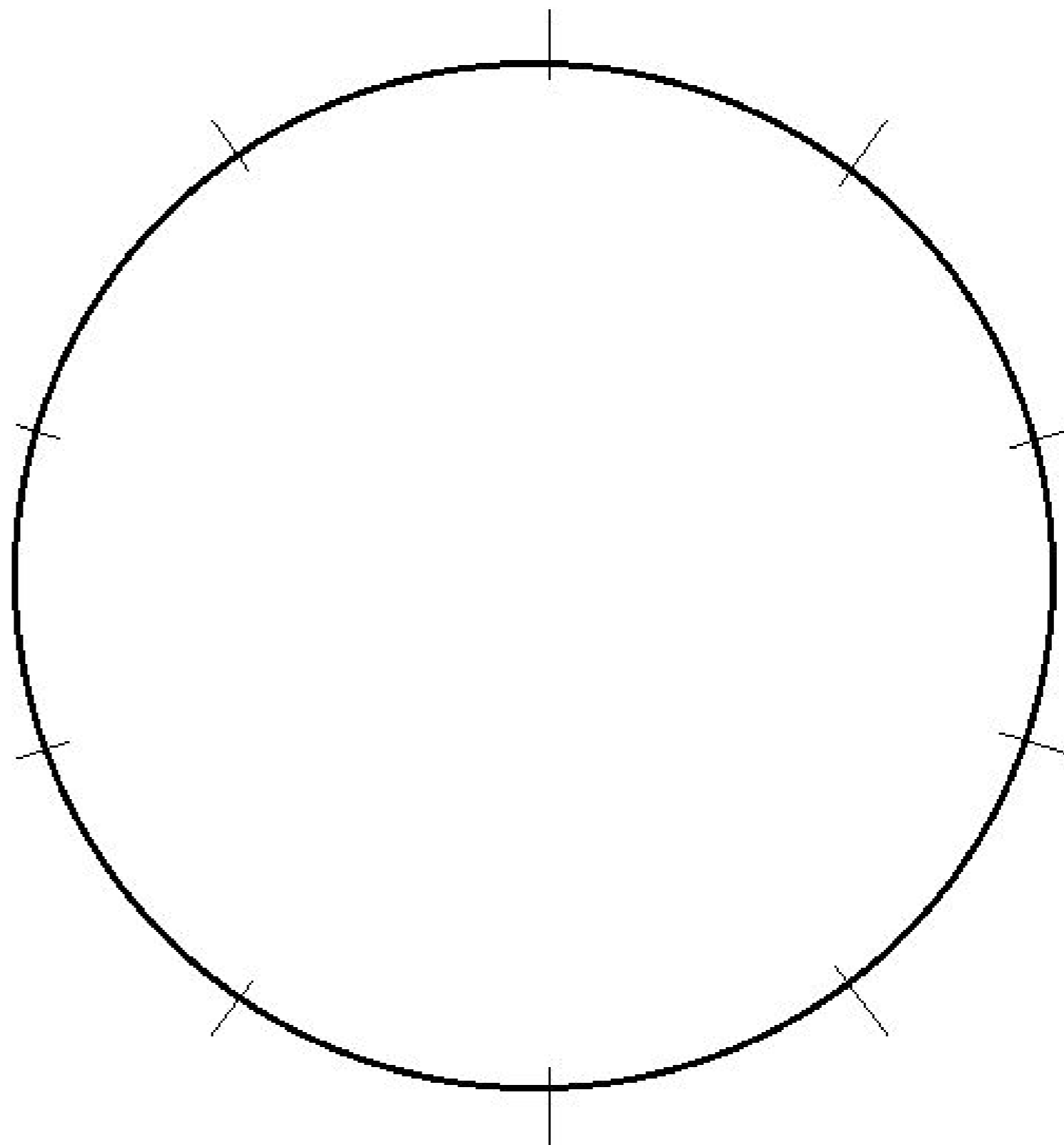
Inserts FLAG- Hsp82 wt ORF
PCR amplification of Hsp82 wt ORF with primers OMG22 (BamHI, **no ATG**) and OMG23 (Sall, STOP), using 476 (pHCA/Hsp82) as template. Cloning as a BamHI-Sall fragment of 2100 bp into 1617 (pHG-FLAG). The entire sequence was verified by sequencing.
OMG22: GCCGGATCCAAGCTAGTGAAACTTTTGAATTTC
OMG23: GCCGTCGACCTAATCTACCTCTTCCATTTC

Reporter gene

Promoter, splice, PolyA GPD constitutive promoter

Comments Expression detectable with anti-FLAG antibodies.
Can support growth of the yeast double mutant Dhsp82 Dhsc82.

Reference Wider et al. (2009) Mol. Biochem. Parasitol. 164, 147



DIDIER PICARD LAB, University of Geneva

Construct number

2095

Date entered

18.5.07

Constructed by

Marie-Pierre Péli-Gulli et Diana

Date constructed

01.07

PLASMID NAME

pRS313 GDP FLAG PfHsp90

alternative name

pHGF/PfHsp90

bacterial marker Amp

parent vector

1617

bacterial plasmid

yeast marker HIS3

other relevant source constructs

1816

eucaryotic replicon CEN/ARS

Inserts

FLAG-PfHsp90 wt ORF

PCR amplification of 280bp of PfHsp90 ORF with primers OMG1 (BamHI, no ATG) and OMG2 (Sty1) using 1816 (pRS313/PfHsp90) as template.

Cloning of PfHsp90 ORF from 1816 as a BamHI-EcoRI fragment into 747 (Bluescript M13+) as an intermediate construct: Bluescript M13+PfHsp90.

Replacement of the 5' BamHI-Sty1 part of PfHsp90 from Bluescript M13+PfHsp90 with the BamHI-Sty1 amplified product.

Sequencing of this portion of the ORF and subcloning of the new entire PfHsp90 ORF as a BamHI-Sall fragment into 1617 (pHG-FLAG).

OMG1: GCCGGATCCAATCAACGGAAACATTTCGCATTTAAC

OMG2: GATCTTGCAATAGTACCAAGGTTATTAATTAATC

Reporter gene

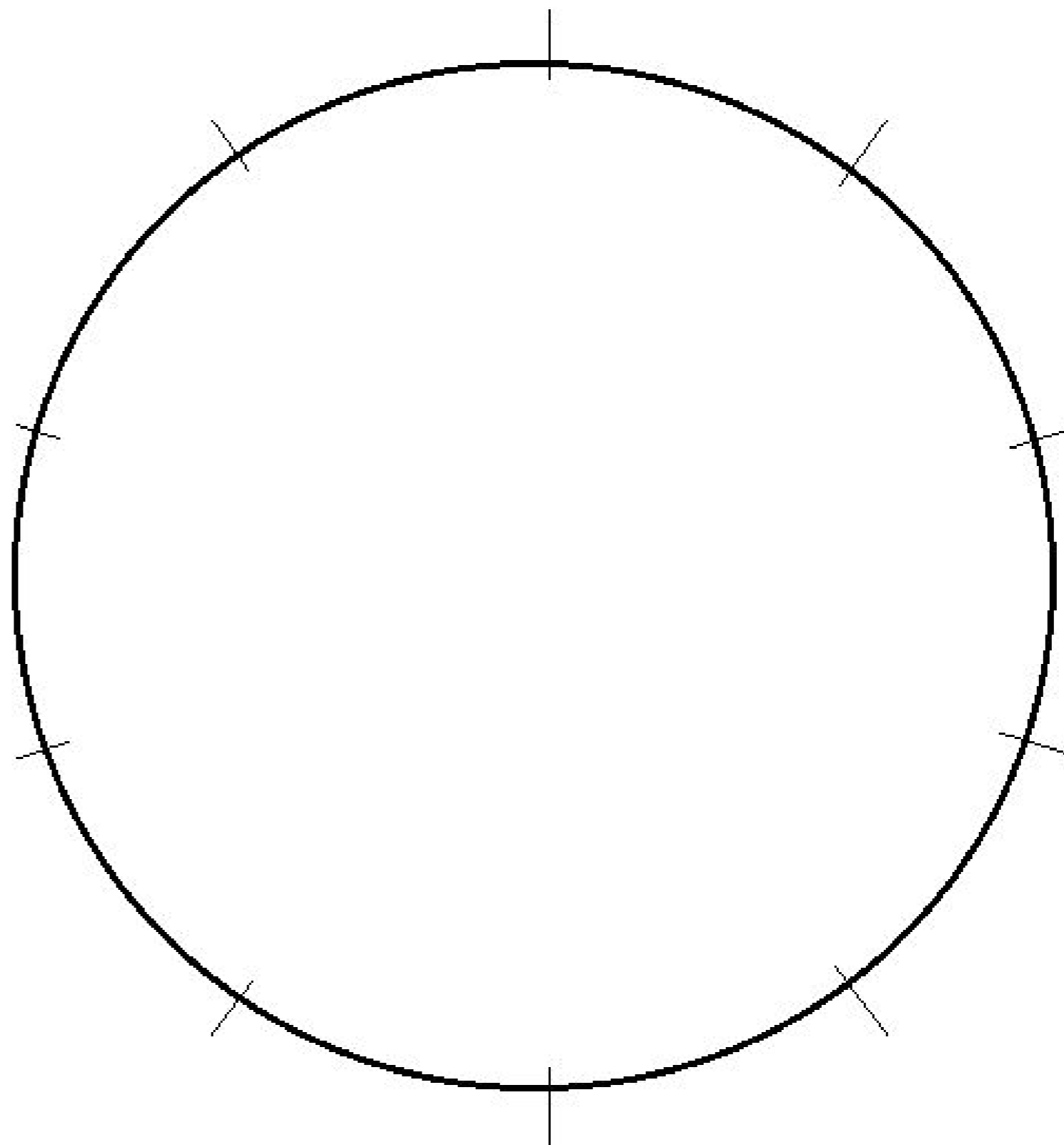
Promoter, splice, PolyA GPD constitutive promoter

Comments

Expression detectable with anti-FLAG antibodies.
Can support growth of the yeast double mutant Dhsp82 Dhsc82.

Reference

Wider et al. (2009) Mol. Biochem. Parasitol. 164, 147



DIDIER PICARD LAB, University of Geneva

Construct number

2096

Date entered

18.5.07

Constructed by

Marie-Pierre Péli-Gulli

Date constructed

02.07

PLASMID NAME

pRS313 GPD FLAG Hs Hsp90b

alternative name

pHGF/HsHsp90 β

bacterial marker

Amp

parent vector

1617

bacterial plasmid

yeast marker

HIS3

other relevant source constructs

479

eucaryotic replicon

CEN/ARS

Inserts

FLAG-HsHsp90b wt ORF

PCR amplification of the entire HsHsp90b ORF using primers OMG5 (HindIII, no ATG) and OMG6 (Sall, STOP) and 479 (pHCA/hhsp90b) as template. Amplified fragment is about 2170bp

Cloning as two fragments HindIII-HindIII and HindIII-Sall into 1616 (pLG-Flag) HindIII-Sall.

Sequence verification.

Subcloning as NotI-Sall into 1617 (pHG-Flag).

OMG5: GCCAAGCTTATCCTGAGGAAGTGCACCATGGAG

OMG6: GCCGTCGACCATGCGAGACGCATCCTCATCGC

Reporter gene

Promoter,
splice,
PolyA

GPD constitutive promoter

02/2011: realized that Hsp90 expressed from this plasmid lacks the C-terminal EEVD because the cloning strategy was inappropriately designed.

Please refer to plasmid 2557 for the corrected version

Comments

Expression detectable with anti-FLAG antibodies.

Can support growth of the yeast double mutant DHsc82 Dhsp82.

Reference

Wider et al. (2009) Mol. Biochem. Parasitol. 164, 147

DIDIER PICARD LAB, University of Geneva

Construct number

2097

Date entered

18.5.07

Constructed by

Diana Wider and MP Péli-Gulli

Date constructed

03.07

PLASMID NAME

2U TRP CUP1 6HIS myc ubwt

pDW1

<u>bacterial marker</u> Amp	<u>parent vector</u> 1563
<u>yeast marker</u> TRP1	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> 2 μ circle	<u>other relevant source constructs</u> 1745

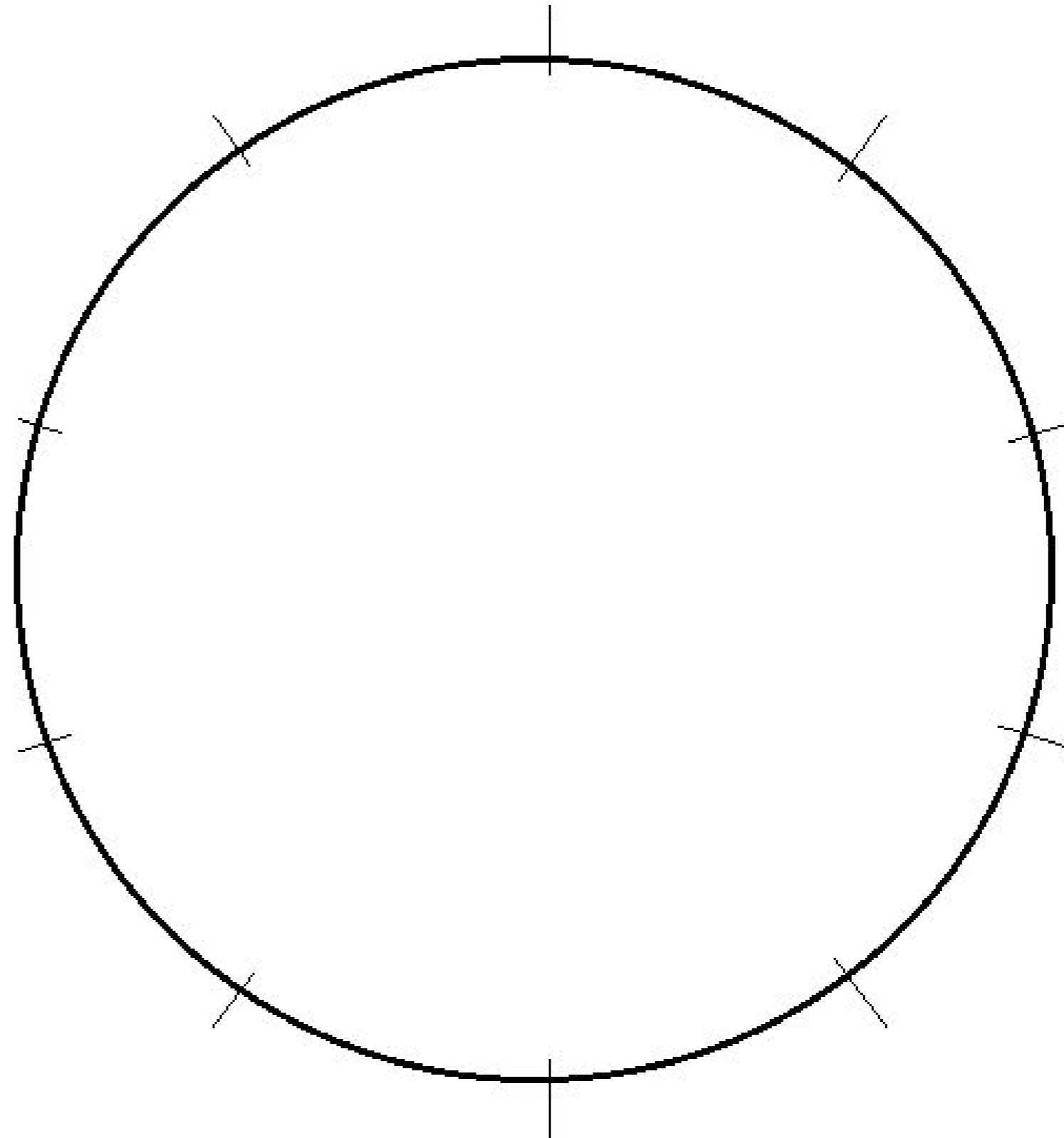
Inserts wt ub
6HIS tag
a single myc tag
Cloning of a 500bp BamHI-BglIII fragment from 1745 (pUb223) into 1563 (yEp105).

Reporter gene

Promoter, splice, PolyA CUP1 (inducible with 250 microM CuSO₄ for 6hrs at 30°C)

Comments Expression detectable with anti-polyhis antibodies but not with anti-myc antibodies.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 2098

Date entered 18.5.07

Constructed by Diana Wider and MP Péli-Gulli

Date constructed 03.07

PLASMID NAME

2U TRP CUP1 6HIS myc ub-K48R

pDW2

<u>bacterial marker</u> Amp	<u>parent vector</u> 1563
<u>yeast marker</u> TRP1	<u>bacterial plasmid</u>
<u>eucaryotic replicon</u> 2 μ circle	<u>other relevant source constructs</u> 1745

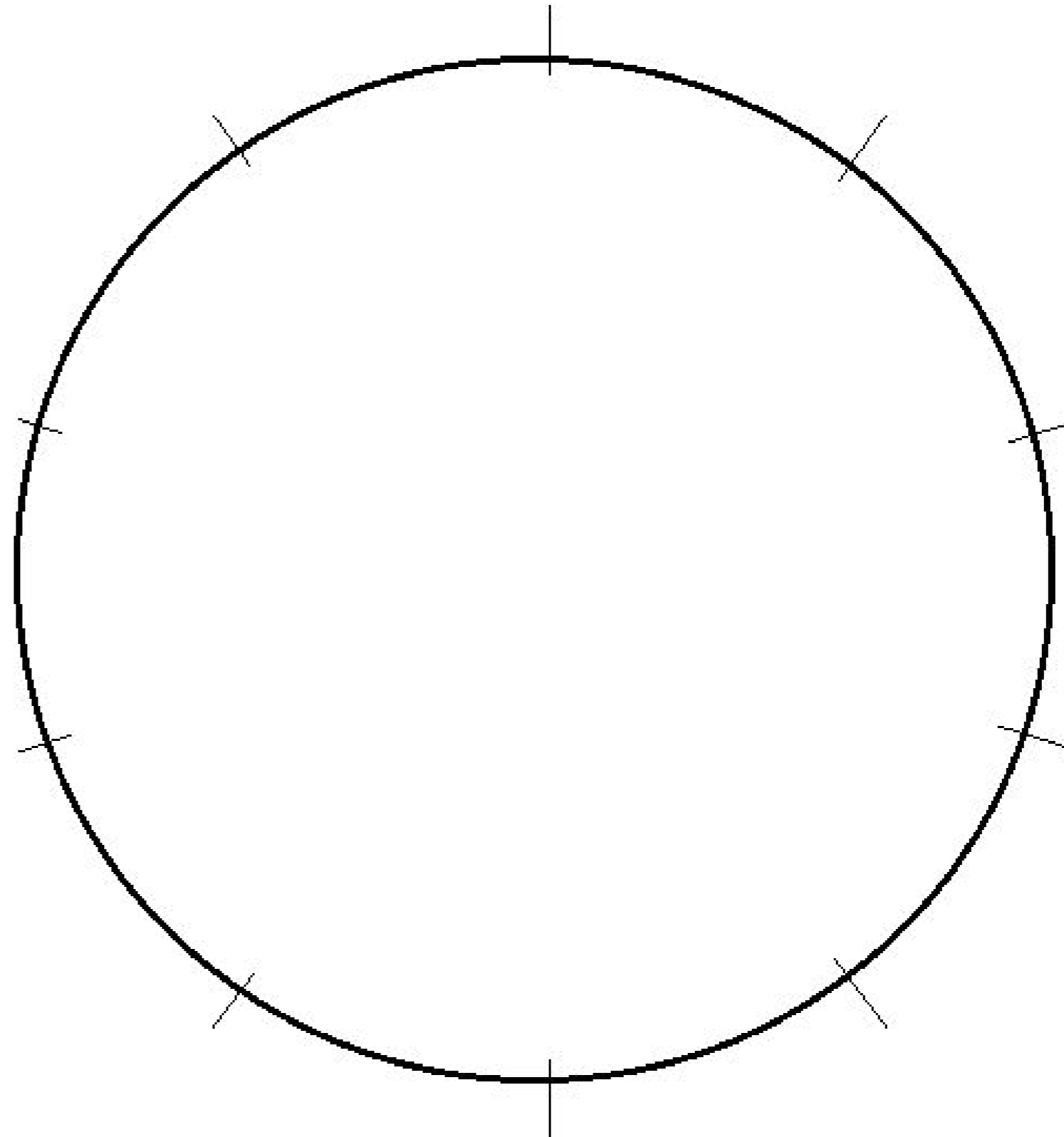
Inserts ub-K48R
6HIS tag
a single myc tag
Cloning of a 650bp BamHI-AflIII fragment from 1745 (pUb223) into BamHI-AflIII 1563 (yEp105).

Reporter gene

Promoter, splice, PolyA CUP1 (inducible with 250 microM CuSO4 for 6hrs at 30°C)

Comments Expression detectable with anti-polyhis antibodies but not with anti-myc antibodies.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2099

Date entered

18.5.07

Constructed by

Diana Wider and MP Péli-Gulli

Date constructed

03.07

PLASMID NAME

pOBD2-6HIS myc ubwt

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pOBD2

bacterial plasmid

other relevant source constructs

2097

Inserts

Gal4-DBD fused to 6HIS myc ubwt

PCR amplification of a 300 bp fragment using primers OMG16 (EcoRI, ATG) and OMG17 (NcoI, STOP) and 2097 (pDW1) as template.

Cloning into pOBD2 EcoRI-NcoI.

Sequence verification.

OMG16: CCGAATTCATTATGCAGATCCACCATCACCATCACCATGC

OMG17:

CATGCCATGGTCAACCACCTCTTAGTCTTAAGACAAGATGTAAGG

Reporter gene

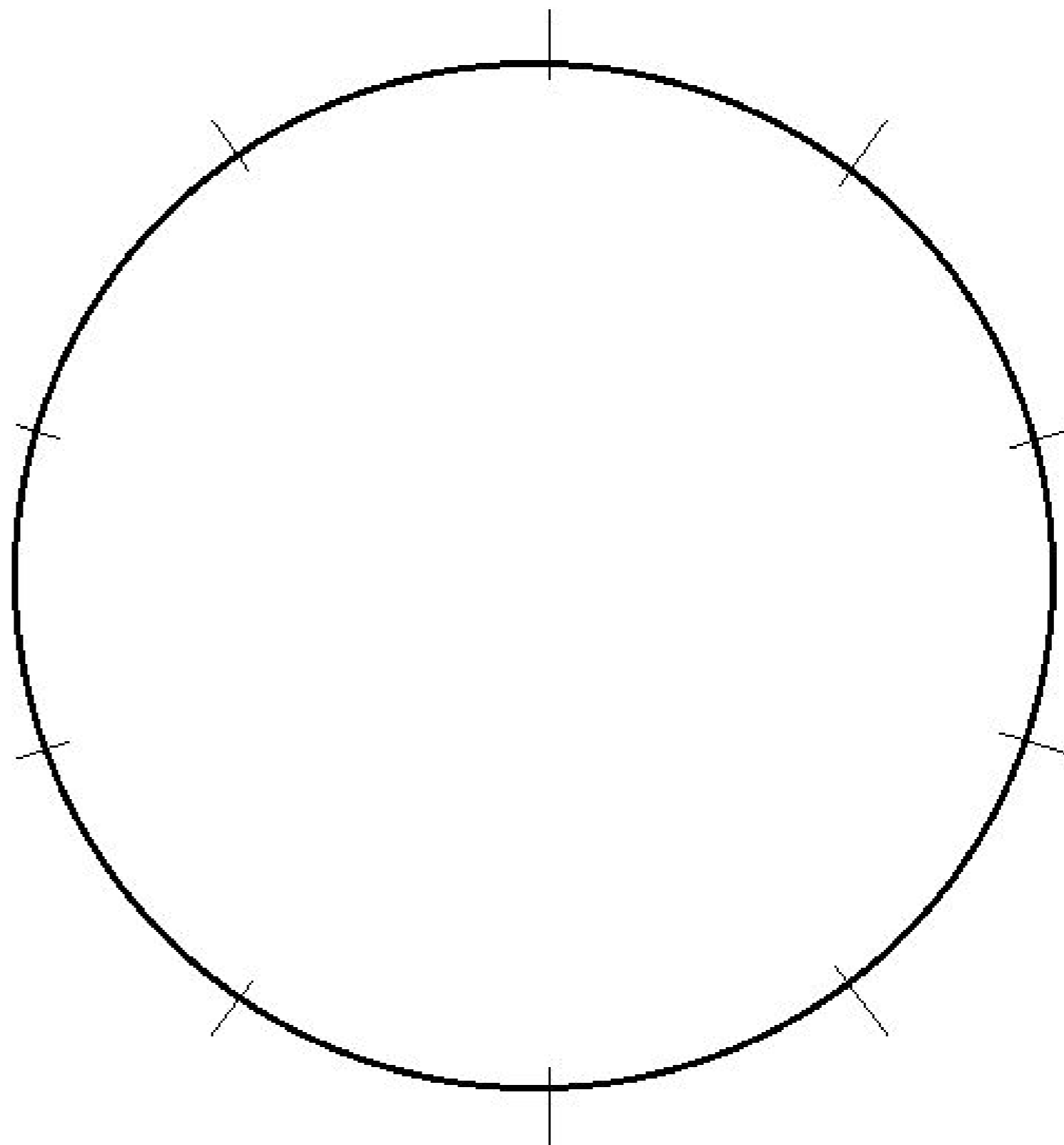
Promoter,
splice,
PolyA

ADH1 promoter
ADH1 terminator

Comments

To be used in S. Field's 2 hybrid system.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.5.07

Constructed by Diana Wider and MP Péli-Gulli

Date constructed 03.07

PLASMID NAME

pOBD2-6HIS myc ub-K48R

bacterial marker

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pOBD2

bacterial plasmid

other relevant source constructs

pDW2 (2098)

Inserts

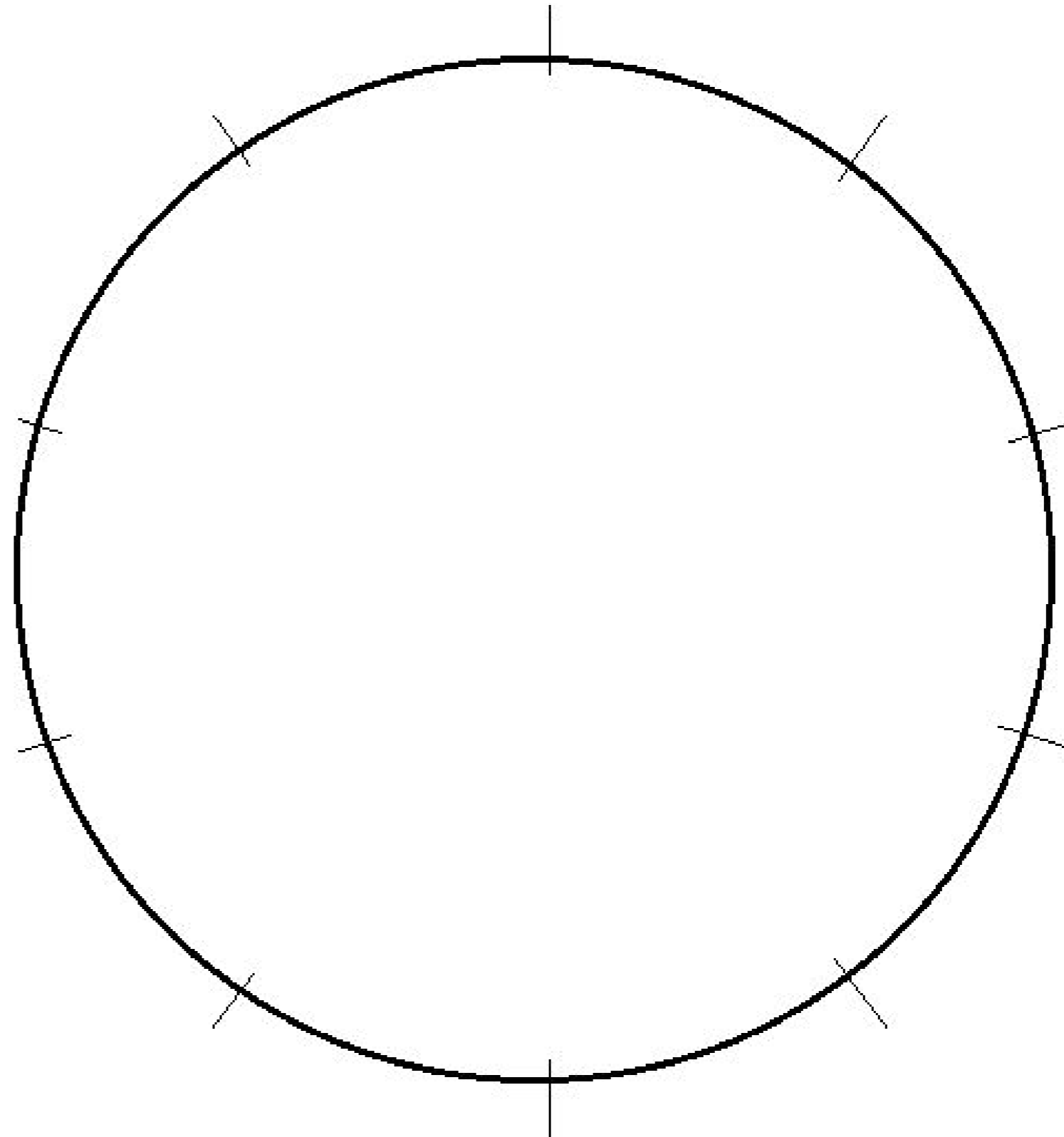
Gal4-DBD fused to 6HIS myc ub-K48R
PCR amplification of a 300 bp fragment using primers OMG16 (EcoRI, ATG) and OMG17 (NcoI, STOP) and 2098 (pDW2) as template.
Cloning into pOBD2 EcoRI-NcoI.
Sequence verification.
OMG16: CCGAATTCATTATGCAGATCCACCATCACCATCACCATGC
OMG17:
CATGCCATGGTCAACCACCTCTTAGTCTTAAGACAAGATGTAAGG

Reporter gene

Promoter, ADH1 promoter
splice, ADH1 terminator
PolyA

Comments To be used in S. Field's 2 hybrid system.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 2101

Date entered 18.5.07

Constructed by Diana Wider and MP Péli-Gulli

Date constructed 03.07

PLASMID NAME

pOBD2-6HIS myc ub-K48R G76A

bacterial marker Amp

yeast marker TRP1

eucaryotic replicon CEN/ARS

parent vector

pOBD2

bacterial plasmid

other relevant source constructs

1745

Inserts

Gal4-DBD fused to 6HIS myc ub-K48R G76A
PCR amplification of a 300 bp fragment using primers OMG16 (EcoRI, ATG) and OMG18 (NcoI, STOP) and 1745 (pUb223) as template.
Cloning into pOBD2 EcoRI-NcoI.
Sequence verification.

OMG16: CCGAATTCATTATGCAGATCCACCATCACCATCACCATGC

OMG18:

CATGCCATGGTCAAGCACCTCTTAGTCTTAAGACAAGATGTAAGG

Reporter gene

Promoter, ADH1 promoter
splice, ADH1 terminator
PolyA

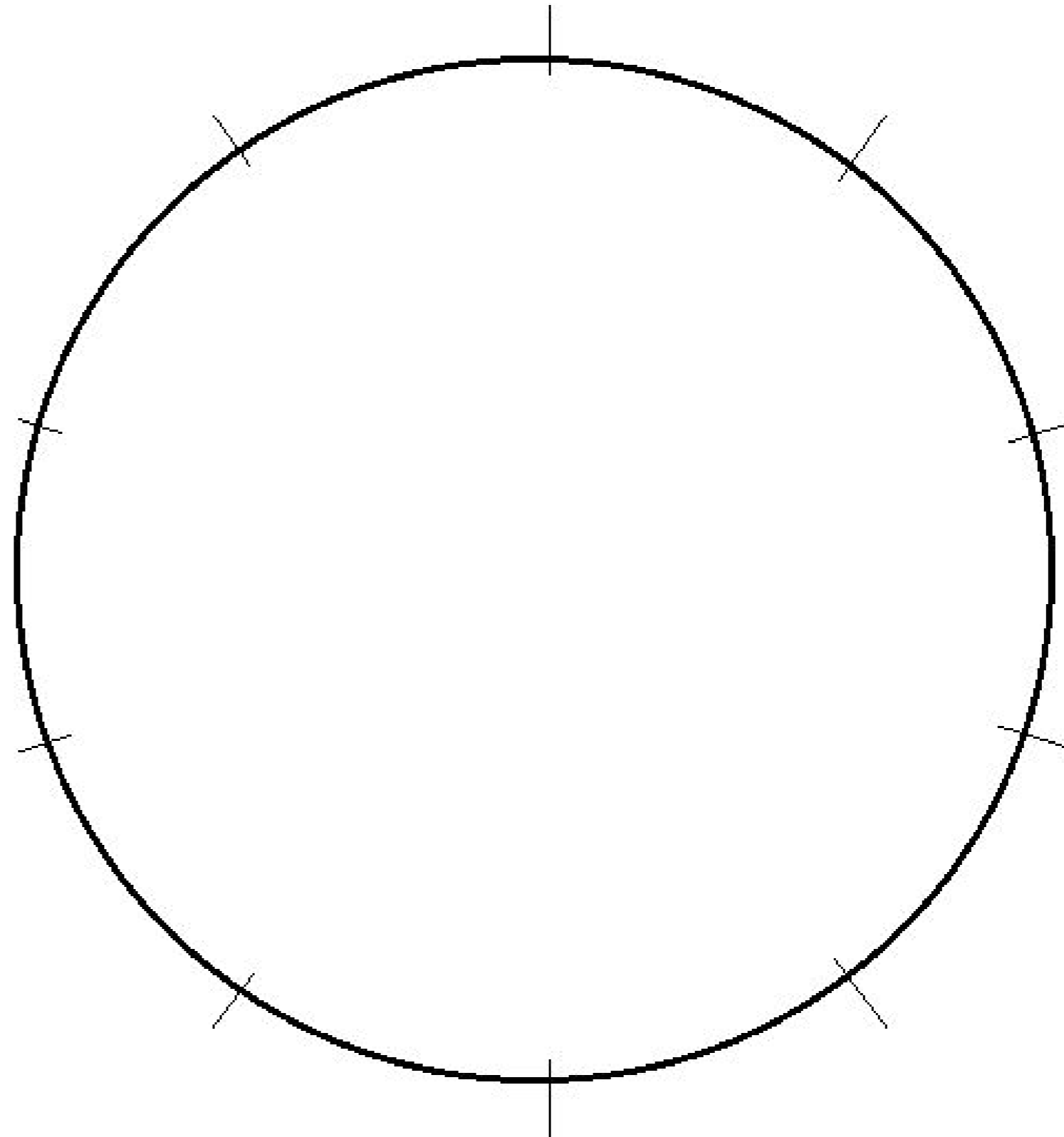
Comments To be used in S. Field's 2 hybrid system.

OMG16: CCGAATTCATTATGCAGATCCACCATCACCATCACCATGC

OMG18:

CATGCCATGGTCAAGCACCTCTTAGTCTTAAGACAAGATGTAAGG

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.5.07

Constructed by Diana Wider and MP Péli-Gulli

Date constructed 04.07

PLASMID NAME

pEG202-6HIS myc ubwt

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

pEG202

bacterial plasmid

other relevant source constructs

pDW1 (2097)

Inserts

LexA-DBD fused to 6HIS myc ubwt
PCR amplification of a 300 bp fragment using primers OMG16 (EcoRI, ATG) and OMG17 (NcoI, STOP) and 2097 (pDW1) as template.
Cloning into pEG202 EcoRI-NcoI.
Sequence verification.

OMG16: CCGAATTCATTATGCAGATCCACCATCACCATCACCATGC

OMG17:

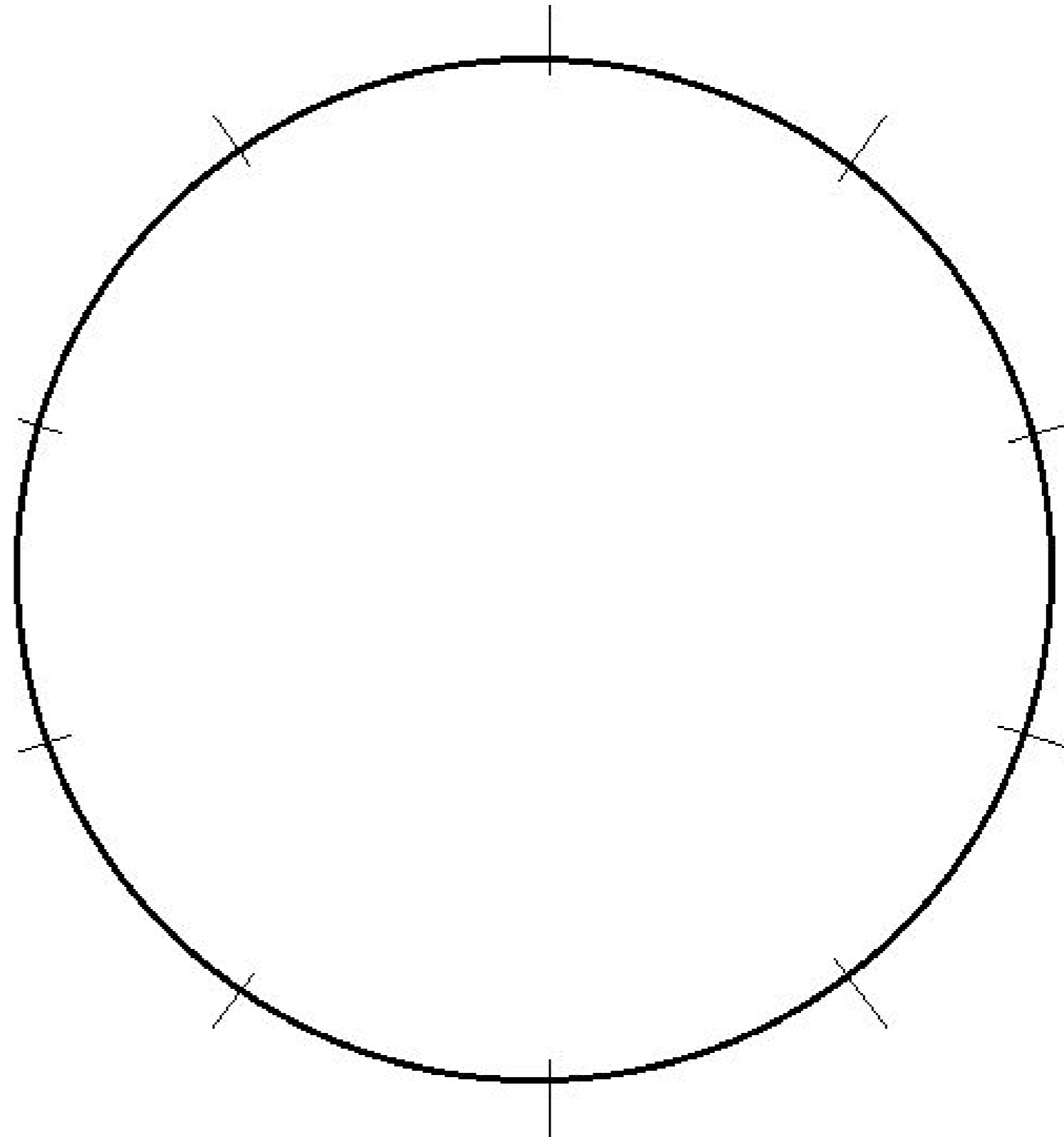
CATGCCATGGTCAACCACCTCTTAGTCTTAAGACAAGATGTAAGG

Reporter gene

Promoter, ADH promoter
splice, ADH terminator
PolyA

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2103

Date entered

18.5.07

Constructed by

Diana Wider and MP Péli-Gulli

Date constructed

03.07

PLASMID NAME

pEG202-6HIS myc ub-K48R

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

pEG202

bacterial plasmid

other relevant source constructs

pDW2 (2098)

Inserts

LexA-DBD fused to 6HIS myc ub-K48R

PCR amplification of a 300 bp fragment using primers OMG16 (EcoRI, ATG) and OMG17 (NcoI, STOP) and 2098 (pDW2) as template.

Cloning into pEG202 EcoRI-NcoI.

Sequence verification.

OMG16: CCGAATTCATTATGCAGATCCACCATCACCATCACCATGC

OMG17:

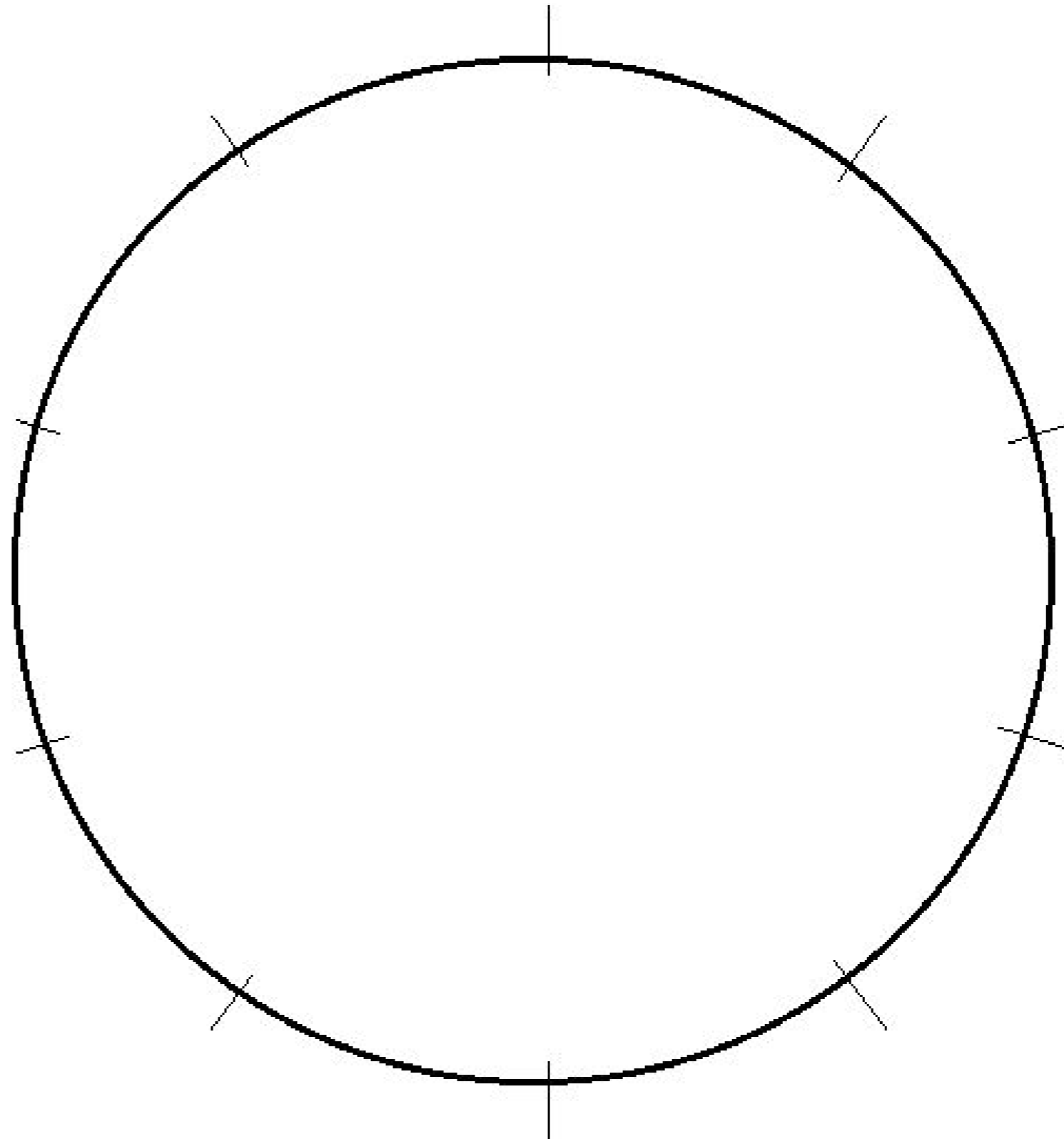
CATGCCATGGTCAACCACCTCTTAGTCTTAAGACAAGATGTAAGG

Reporter gene

Promoter, ADH promoter
splice, ADH terminator
PolyA

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.5.07

Constructed by Diana Wider and MP Péli-Gulli

Date constructed 03.07

PLASMID NAME

pEG202-6HIS myc ub-K48R G76A

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon 2 μ circle

parent vector

pEG202

bacterial plasmid

other relevant source constructs

pUb223 (1745)

Inserts

LexA-DBD fused to 6HIS myc ub-K48R G76A
PCR amplification of a 300 bp fragment using primers OMG16 (EcoRI, ATG) and OMG18 (NcoI, STOP) and 1745 (pUb223) as template.
Cloning into pEG202 EcoRI-NcoI.
Sequence verification.

OMG16: CCGAATTCATTATGCAGATCCACCATCACCATCACCATGC

OMG18:

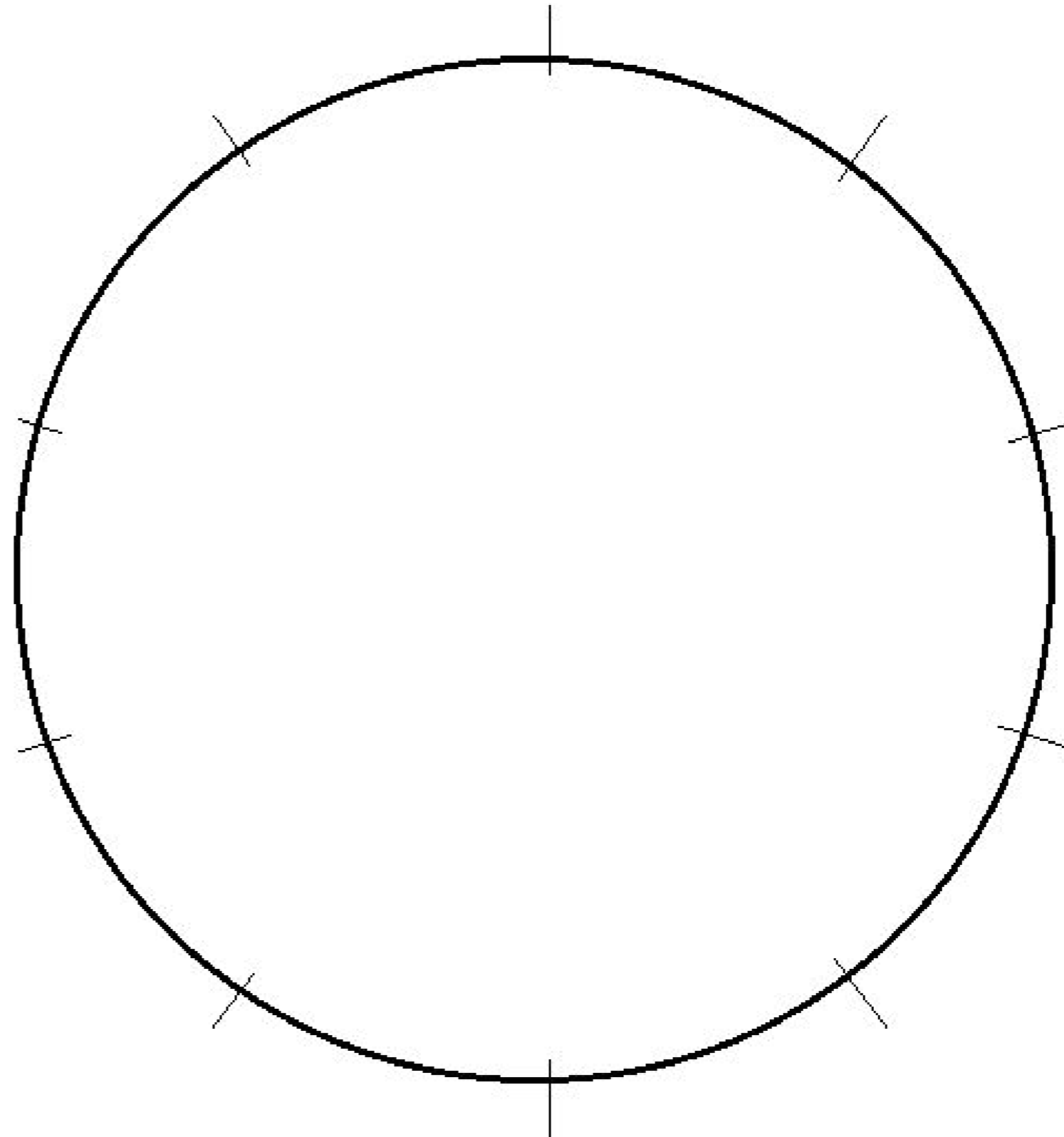
CATGCCATGGTCAAGCACCTCTTAGTCTTAAGACAAGATGTAAGG

Reporter gene

Promoter, ADH promoter
splice, ADH terminator
PolyA

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2105

Date entered

18.5.07

Constructed by

Marie-Pierre Péli-Gulli

Date constructed

03.07

PLASMID NAME

pOAD STE11

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

pOAD

bacterial plasmid

other relevant source constructs

Inserts GAL4 activation domain fused to STE11 ORF

Reporter gene

Promoter, ADH promoter
splice, ADH terminator
PolyA

Comments Plasmid recovered from the arrayed library.
To be used with S. Field's 2 hybrid system.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 2106

Date entered 18.5.07

Constructed by Marie-Pierre Péli-Gulli

Date constructed 04.07

PLASMID NAME

pYES GAL HA Pfp23

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

pYES2/HA (1359)

bacterial plasmid

other relevant source constructs

Inserts

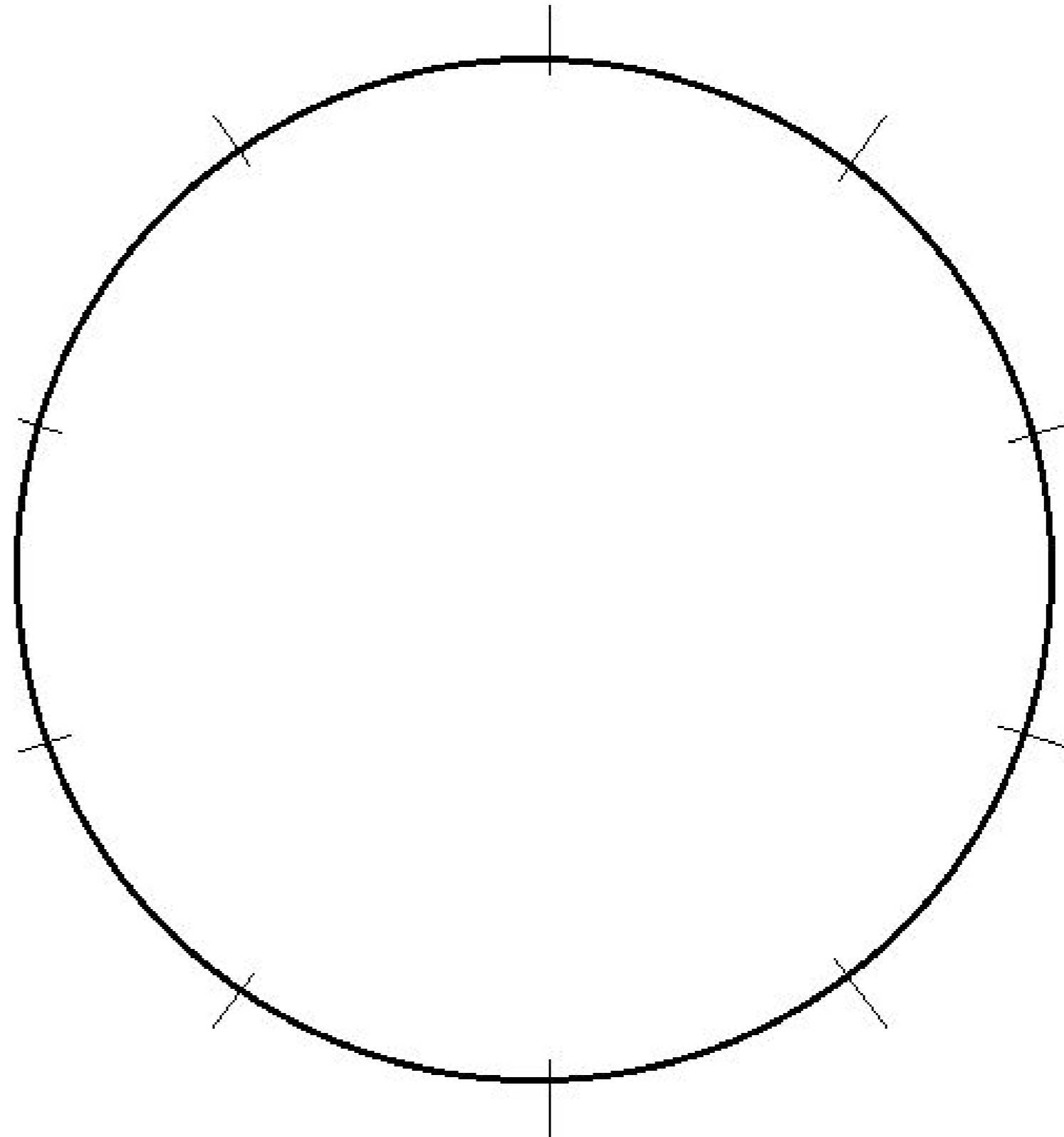
HA tag (MQDLPGNDNSTAG)
Pfp23 ORF (from Plasmodium falciparum)
PCR amplification of Pfp23 from total cDNAs from plasmodium falciparum (obtained from D. Soldati's group) using primers OMG7 (BamHI, no ATG) and OMG8 (BamHI, STOP).
Cloning of the 847bp BamHI fragment into 1359 (pYES2 HA).
OMG7: GCGGGATCCACCAAAAACCTATCCTATAGTTTTG
OMG8: GCGGATCCTTAGGCTACTGGTTCTTGACTTC

Reporter gene

Promoter, splice, PolyA GAL1

Comments Expression detectable (after GAL induction) using anti-HA antibodies.

Reference



Construct number

2107

Date entered

18.5.07

Constructed by

Date constructed

05.07

PLASMID NAME

pUG6

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

LoxP-KanMX4-LoxP disruption cassette
db acc: AF298793
Plasmid size 4009bp.
Size of the PCR amplified disruption cassette: 1700bp

Reporter gene

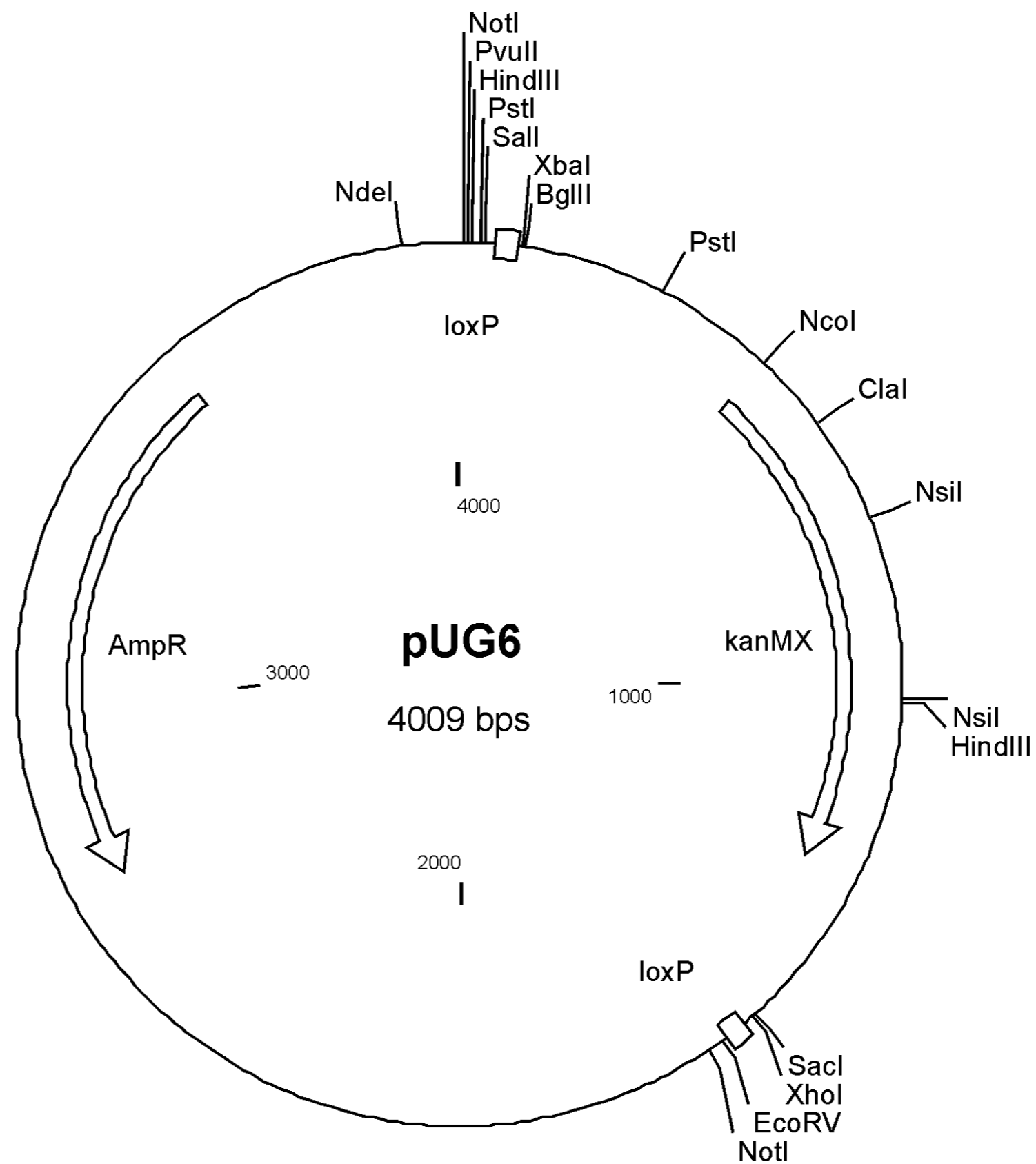
Promoter,
splice,
PolyA

Comments

This plasmid serves as a template for PCR to generate a disruption cassette of your yeast gene of interest. This "Geneticin resistance" cassette flanked with lox P sites can be removed using the Cre recombinase.
Obtained from Euroscarf via F. Stutz.

Reference

Güldener, U, et al., NAR, 24:2519-2524 (1996)



Construct number

2108

Date entered

18.5.07

Constructed by

Date constructed

05.07

PLASMID NAME

pUG73

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

loxP-K.lactis LEU2-loxP disruption cassette

db acc: AF298792

plasmid size: 4824 bp

size of the PCR amplified disruption cassette: 2500bp.

Reporter gene

Promoter,
splice,
PolyA

Comments

This plasmid serves as a template for PCR to generate a disruption cassette of your yeast gene of interest. This "Leucine prototrophy" cassette flanked with lox P sites can be removed using the Cre recombinase. Obtained from Euroscarf via F. Stutz.

Reference

Güldener U et al., NAR 30: (2002)

Construct number

2109

Date entered

21.5.07

Constructed by

OpenBiosystems

Date constructed

PLASMID NAME

sh1 RMM3981-97059675

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

TRC shRNA construct targeting mouse p23

Sequence is of hairpin loop is:

CCGGGCGGAAACAAATTGGCTAATACTCGAGTATTAGCCAATTTGTTCCGCTT

TTTG

Color Codes: sense loop antisense

target: 1214bp of p23 gene (3' untranslated)

Reporter gene

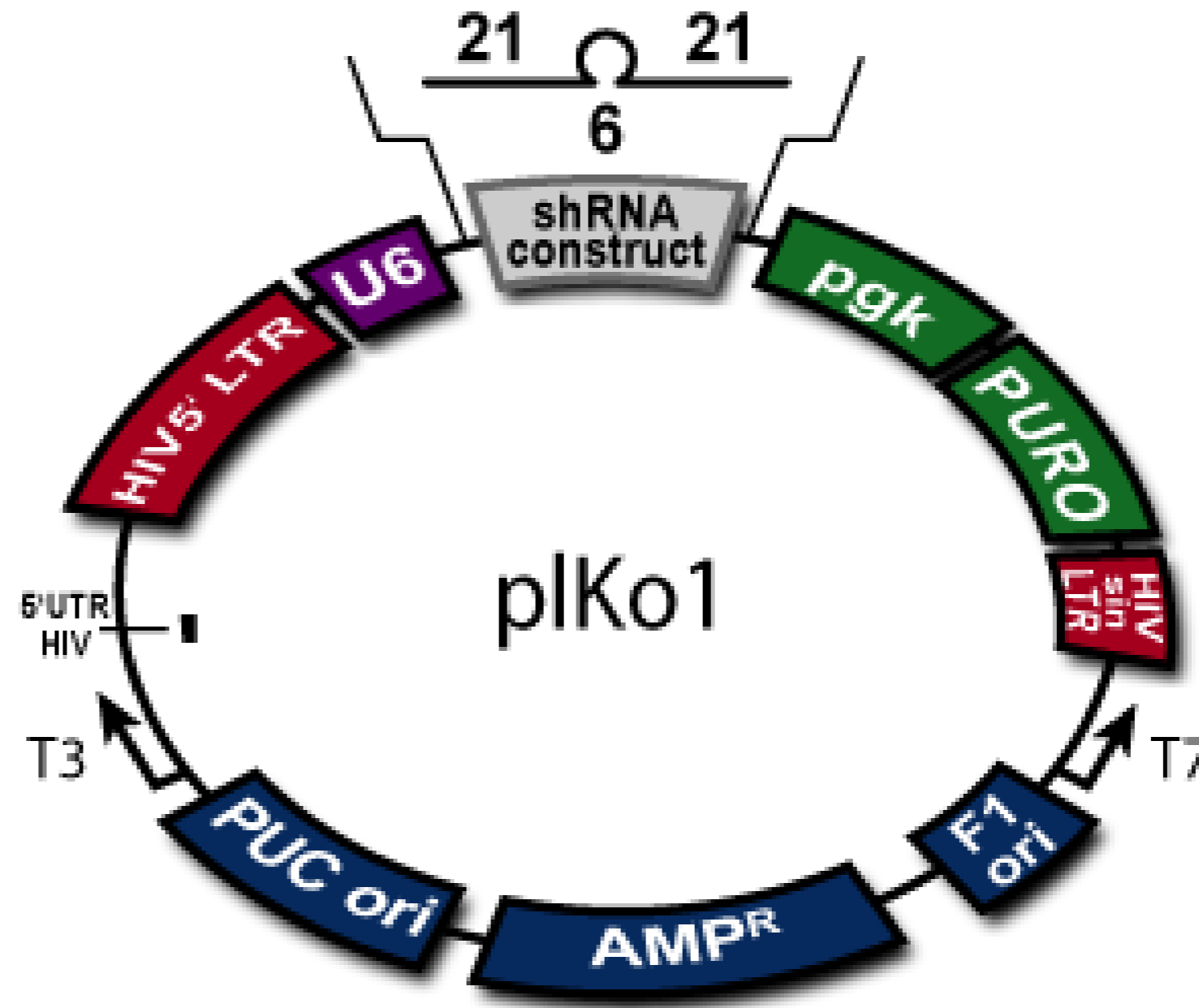
Promoter,
splice,
PolyA

human U6 promoter

Comments

- lentiviral vector
- see www.openbiosystems.com for more details

Reference



Construct number

2110

Date entered

21.5.07

Constructed by

OpenBiosystems

Date constructed

PLASMID NAME

sh2 RMM3981-97059676

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

TRC shRNA construct targeting mouse p23

Sequence is of hairpin loop is:

CCGGCGAAGGGACTATGTATTCATTCTCGAGAAATGAATACATAGTCC
CTTCGTTTTTG

Color Codes: sense loop antisense

target: 334bp of p23 gene (31bp of p23 CDS)

Reporter gene

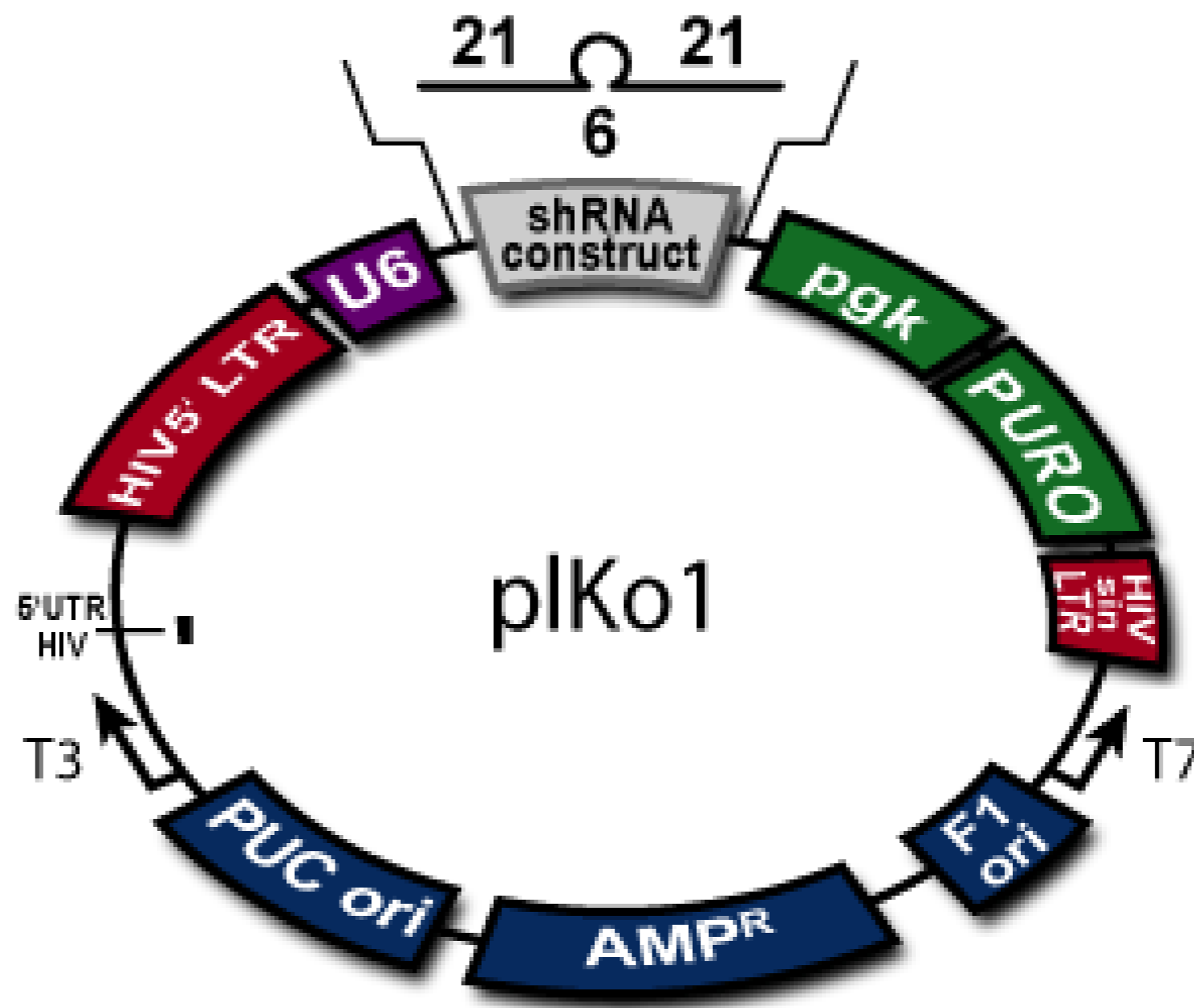
Promoter,
splice,
PolyA

human U6 promoter

Comments

- lentiviral vector
- see www.openbiosystems.com for more details

Reference



Construct number

2111

Date entered

21.5.07

Constructed by

OpenBiosystems

Date constructed

PLASMID NAME

sh3 RMM3981-97059677

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

TRC shRNA construct targeting mouse p23

Sequence is of hairpin loop is:

CCGGGTGGACTTCAATAATTGGAAACTCGAGTTTCCAATTATTGAAGTCCACTT

TTTG

Color Codes: sense loop antisense

target: 604bp of p23 gene (301bp of p23 CDS)

Reporter gene

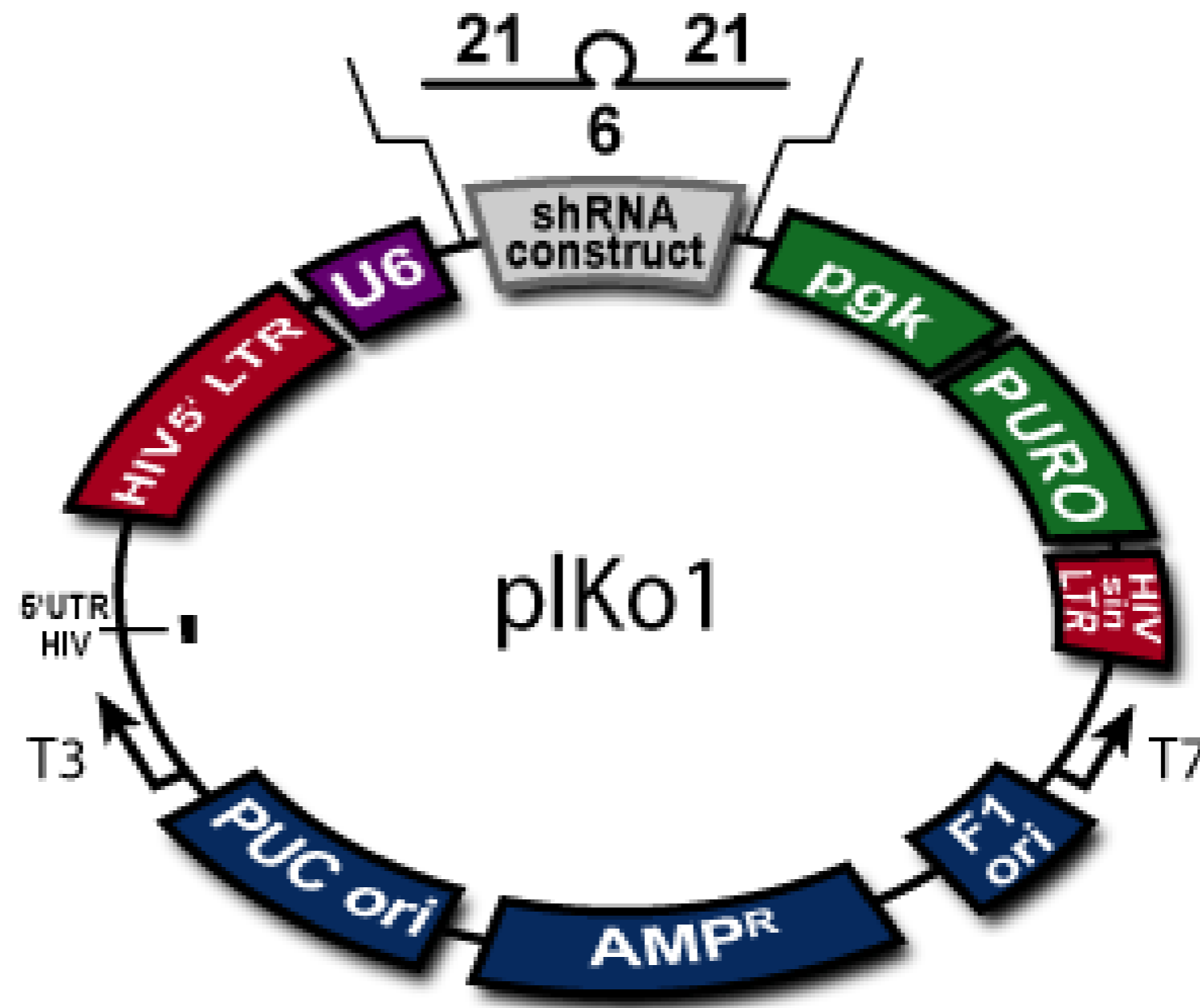
Promoter,
splice,
PolyA

human U6 promoter

Comments

- lentiviral vector
- see www.openbiosystems.com for more details

Reference



Construct number

2112

Date entered

21.5.07

Constructed by

OpenBiosystems

Date constructed

PLASMID NAME

sh4 RMM3981-97059678

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

TRC shRNA construct targeting mouse p23

Sequence is of hairpin loop is:

CCGGCGTTTCTCTGAGATGATGGATCTCGAGATCCATCATCTCAGAGAAACGTT

TTTG

Color Codes: sense loop antisense

target: 667bp of p23 gene (364bp of p23 CDS)

Reporter gene

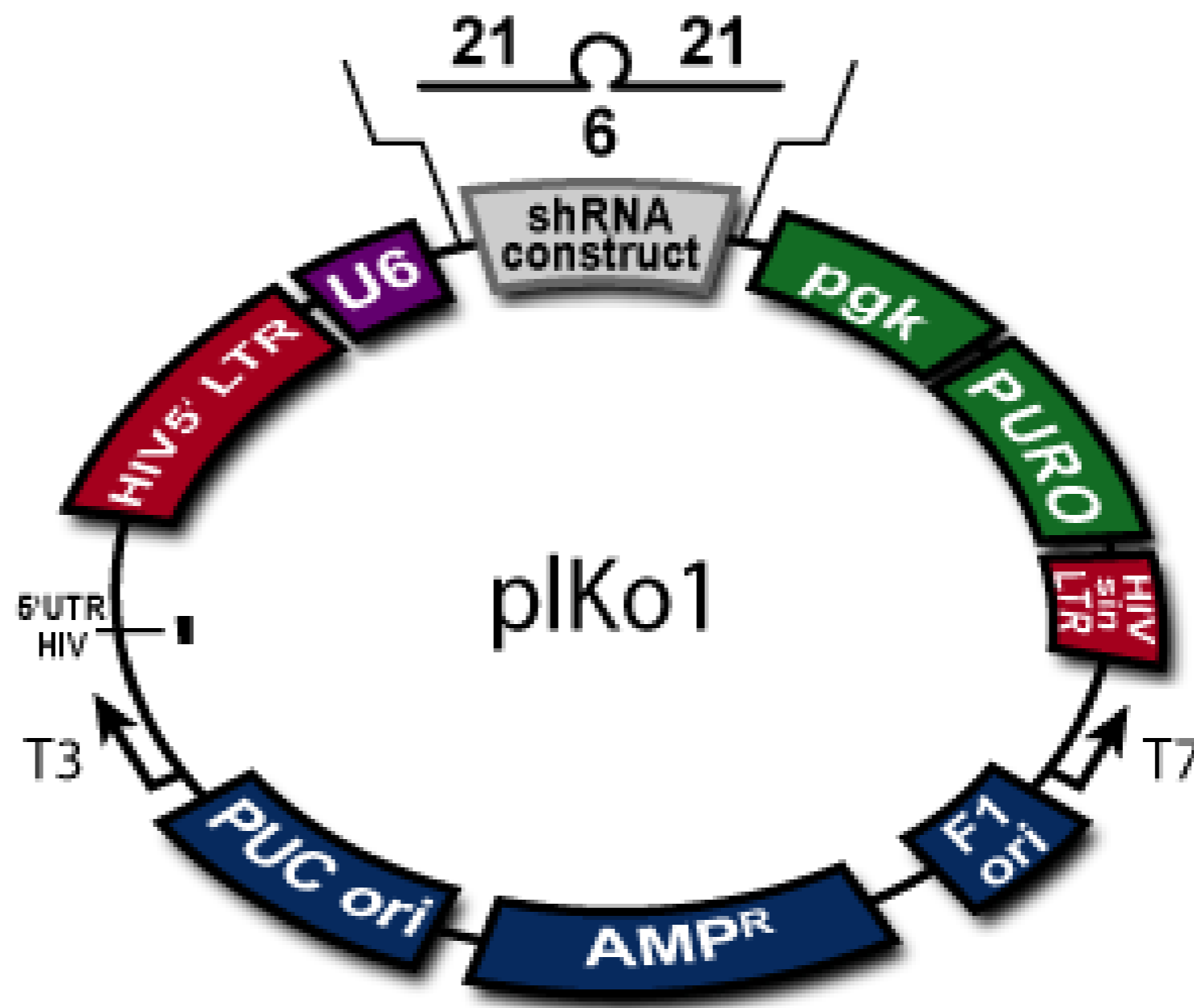
Promoter,
splice,
PolyA

human U6 promoter

Comments

- lentiviral vector
- see www.openbiosystems.com for more details

Reference



Construct number

2113

Date entered

21.5.07

Constructed by

OpenBiosystems

Date constructed

PLASMID NAME

sh5 RMM3981-97059679

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

TRC shRNA construct targeting mouse p23

Sequence is of hairpin loop is:

CCGGGTTGTCTTGGAGGAAGCGATACTCGAGTATCGCTTCCTCCAAGACAACCTT

TTTG

Color Codes: sense loop antisense

target: 419bp of p23 gene (116bp of p23 CDS)

Reporter gene

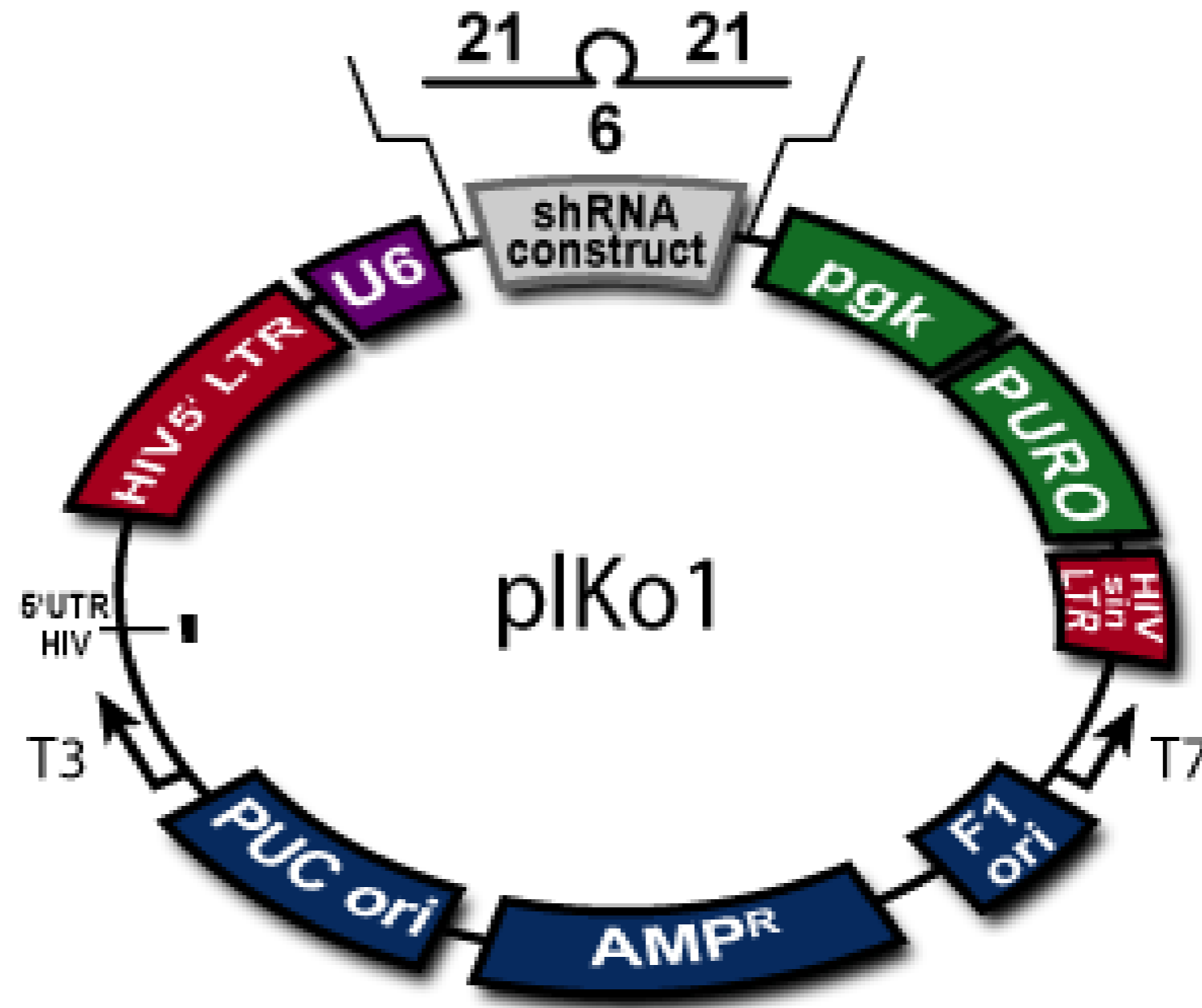
Promoter,
splice,
PolyA

human U6 promoter

Comments

- lentiviral vector
- see www.openbiosystems.com for more details

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 23.5.07

Constructed by Sophie Carascossa

Date constructed may 2007

PLASMID NAME

pYes-Flag-MNAR1-400

bacterial marker Amp

URA3

2 μ circle

parent vector

pYes

bacterial plasmid

other relevant source constructs

Inserts Excised the Flag-MNAR1-400 fragment from p2HG-FlagMNAR Δ C with BamHI and cloned it into pYes at BamHI site.

Reporter gene

Promoter, GAL1
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 23.5.07

Constructed by Sophie Carascossa

Date constructed May 2007

PLASMID NAME

pCDNA3.1+-HA-SPBP

bacterial marker Amp

parent vector
pCDNA3.1+
bacterial plasmid

other relevant source constructs

Inserts Excised HA-SPBP from SPBP-3*HA (nr1774) with HindIII and BamHI and cloned it into pCDNA3.1+ at HindIII/BamHI sites.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 2116

Date entered 27.6.07

Constructed by Sophie Carascossa

Date constructed May 2007

PLASMID NAME

pCDNA3.1+-HA-SPBP K1R

bacterial marker Amp

parent vector
pCDNA3.1+-HA-SPBP wt
bacterial plasmid

other relevant source constructs
pCDNA-HA-SPBP

Inserts HA-tagged full-length SPBP with the point mutation K929R. The mutation has been created using pCDNA-HA-SPBP as a template (nr 1494), and the fragment NdeI/SacII of SPBP has been replaced in pCDNA3.1+-HA-SPBP wt (nr 2115).

Reporter gene

Promoter,
splice,
PolyA

Comments sequencing ok

Reference

Construct number

2117

Date entered

28.6.07

Constructed by

OpenBiosystems

Date constructed

PLASMID NAME

Sh1 hp23

Sh1 RHS3979-9628657

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

TRC shRNA construct targeting human p23

Sequence is of hairpin loop is:

CCGGCGAAGGGACTATGTCTTCATTCTCGAGAAATGAAGACATAGTCCCTTCGTT

TTTG

Color Codes: sense loop antisense

target in CDS : AATGAAGACATAGTCCCTTCG

Reporter gene

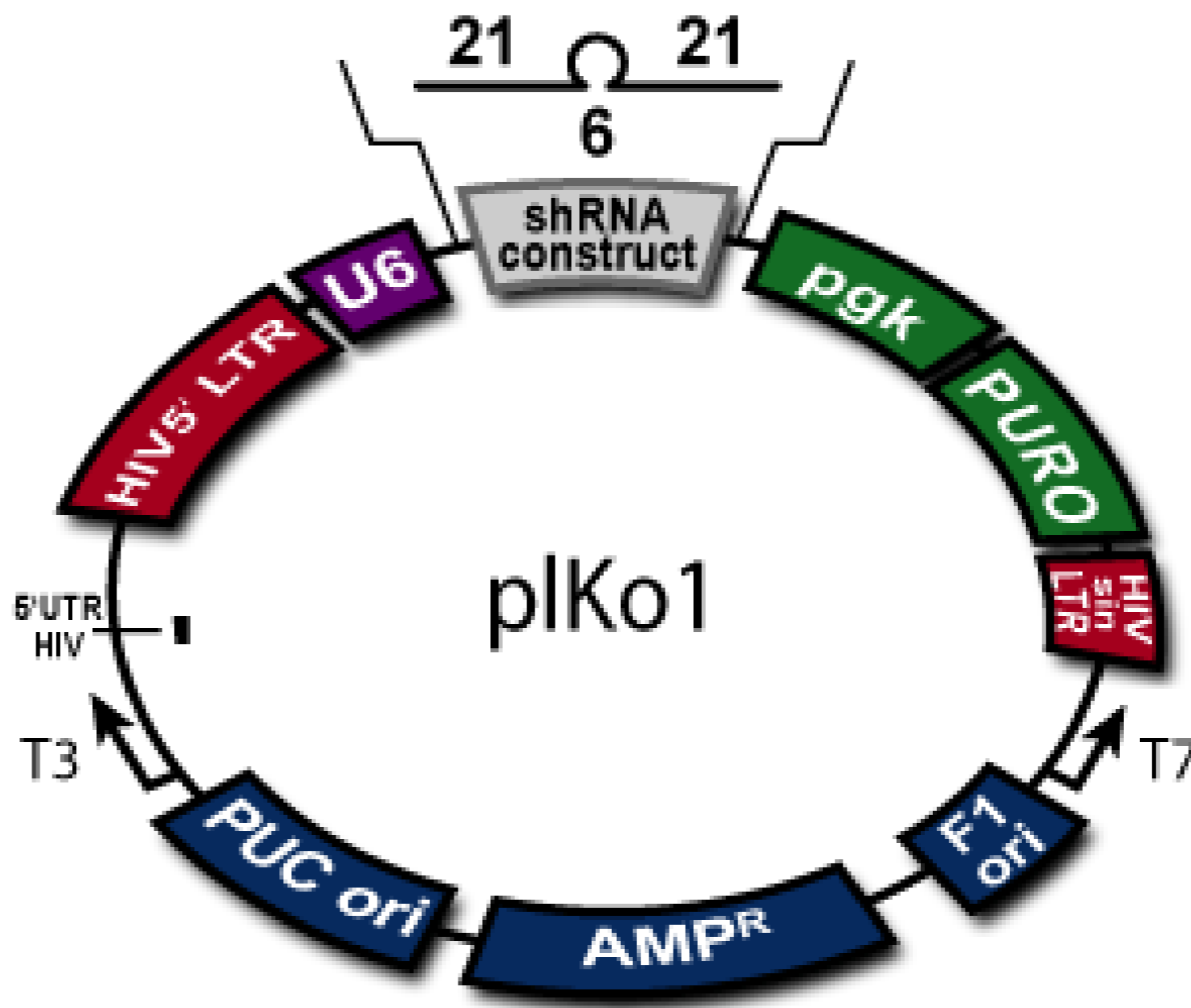
Promoter,
splice,
PolyA

human U6 promoter

Comments

- lentiviral vector
- see www.openbiosystems.com for more details

Reference



Construct number 2118

Date entered 1.7.07

Constructed by Alena

Date constructed 7.07

PLASMID NAME

pLexA-Oaf1-C (Δ EcoRI)

bacterial marker Amp	parent vector pLexA-OAF1
yeast marker HIS3	bacterial plasmid
eucaryotic replicon 2 μ circle	other relevant source constructs

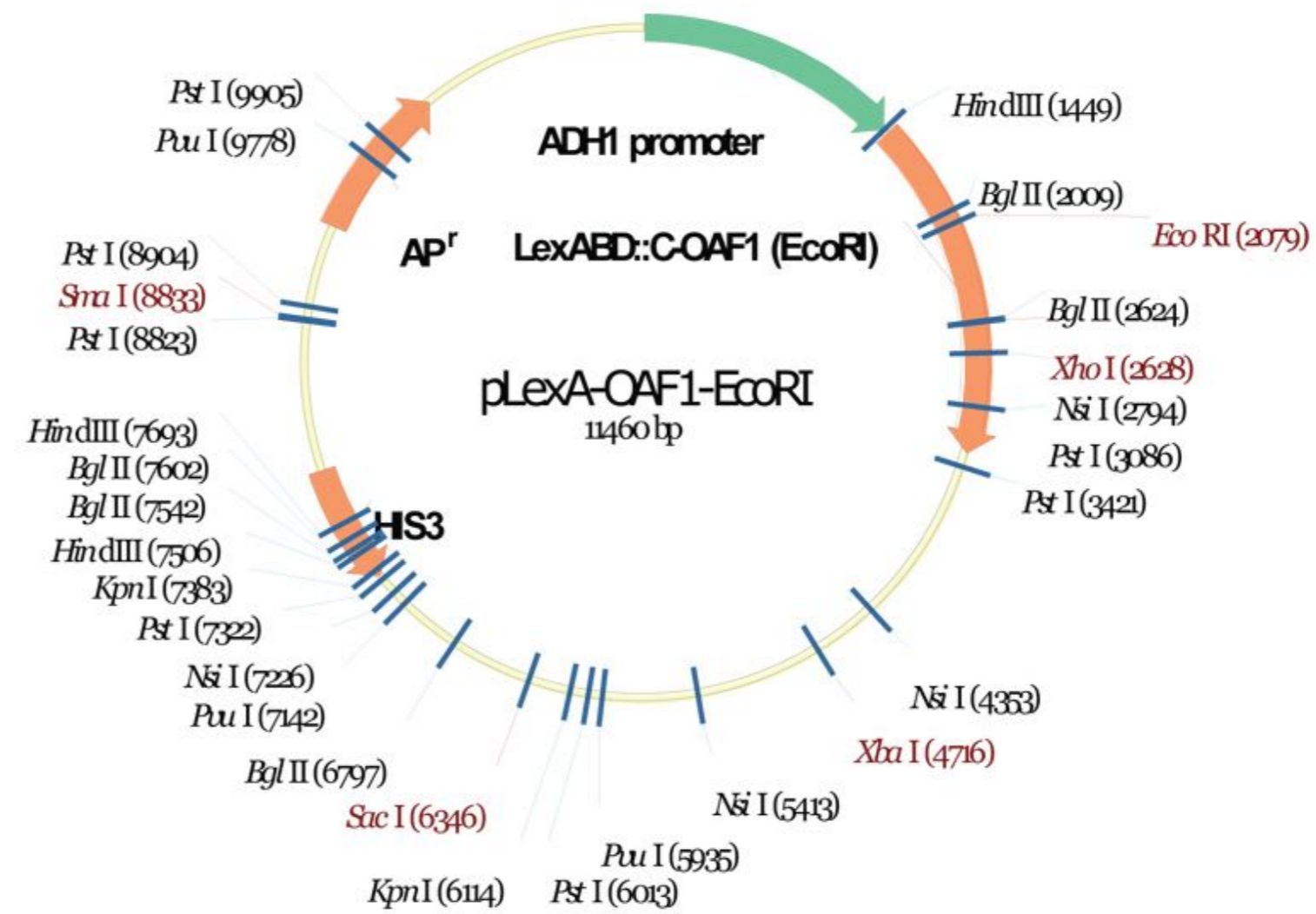
Inserts N'-terminall fusion of LexA DNA-binding domain with C-terminus of OAF1
LexA BD + C-terminus OAF1 (aa 632-1047) - made by catting out EcoRI
fragment from pLexA-OAF1

Reporter gene

Promoter, splice, PolyA ADH1 promoter and ADH1 terminator

Comments DOES NOT have BamHI anymore since first EcoRI site is from pEG202
polilinker, before BamHI

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 1.7.07

Constructed by Pierre-André Briand

Date constructed 7.07

PLASMID NAME

pLexA-Oaf1-N (Δ XhoI)

bacterial marker Amp	parent vector pEG202
yeast marker HIS3	bacterial plasmid
eucaryotic replicon 2 μ circle	other relevant source constructs pLexA-Oaf1

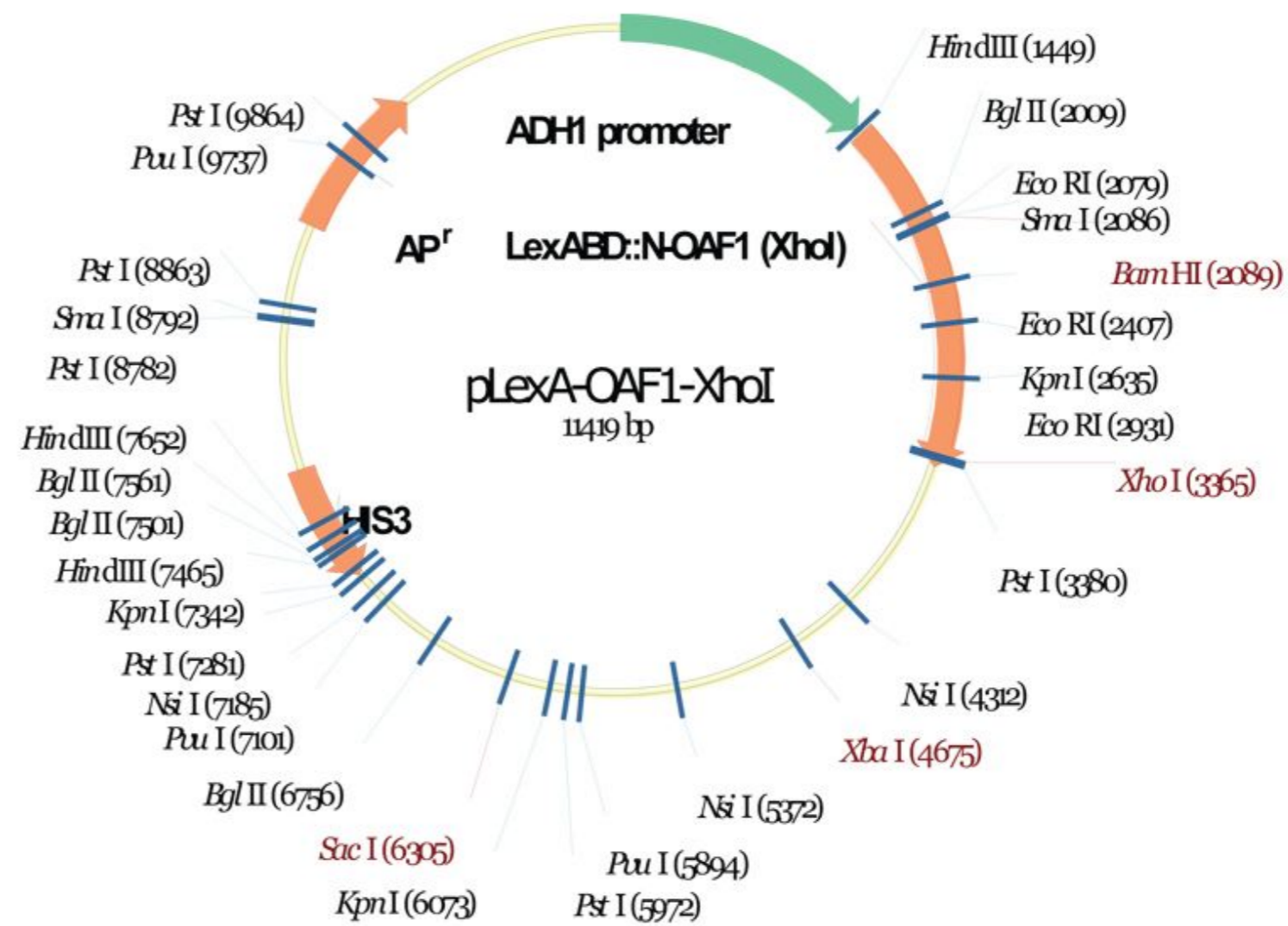
Inserts N-terminal fusion of LexA DNA-binding domain with N-terminus of Oaf1 1276bp (aa 1-425) inserted by BamHI-XhoI (from pLexA-OAF1) into BamHI-XhoI pEG202 (pLexA)

Reporter gene

Promoter, splice, PolyA ADH1 promoter and ADH1 terminator

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 2120

Date entered 6.7.07

Constructed by P.-A. Briand and S. Carascossa

Date constructed 07.2007

PLASMID NAME

pSG5-HA-CARM1(S448E)

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5-HA-CARM1

bacterial plasmid

other relevant source constructs

Inserts full length mouse CARM1 with point mutant S448E, N-terminally HA-tagged

Reporter gene

Promoter, - SV40 early promoter
splice, - T7 promoter
PolyA

Comments - HA epitope is that of 12CA5
- note that 3' UTR is shorter by 1100 bp than indicated in publication and maps by Stallcup lab. See layout "sequence" for details on that portion.

Reference for wild-type parent vector, see Chen et al. (1999) Science 284, 2174.

DIDIER PICARD LAB, University of Geneva

Construct number

2121

Date entered

6.7.07

Constructed by

Pierre-André Briand

Date constructed

07.2007

PLASMID NAME

ER α S464A

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

HEG0

Inserts human estrogen receptor α (ER) with point mutation S464A

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

- expression vector replicates in COS cells.
- area around 3' end is: stop - Sac1 - EcoR1 - (BamH1/Bgl2)
- area around codon 464 is changed from TCC AGC to AGC GCC (i.e. codon 463 is also changed, but aa sequence is not; introduces a Ddel site).

Reference for pSG5: Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

2123

Date entered

23.7.07

Constructed by

Pierre-André Briand

Date constructed

07.2007

PLASMID NAME

ER α S464D

bacterial marker Amp

eucaryotic replicon SV40 ori

parent vector

pSG5

bacterial plasmid

Bluescribe M13+

other relevant source constructs

HEG0

Inserts human estrogen receptor α (ER) with point mutation S464D

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

- expression vector replicates in COS cells.
- area around 3' end is: stop - Sac1 - EcoR1 - (BamH1/Bgl2)
- area around codon 464 is changed from TCC AGC to AGC GAC (i.e. codon 463 is also changed, but aa sequence is not; introduces a Ddel site).

Reference for pSG5: Green et al. (1988) NAR 16, 369.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.7.06

Constructed by Peter D.

Date constructed 10.10.05

PLASMID NAME

CKF-HoxD13ex2

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

CKF

bacterial plasmid

other relevant source constructs

CK

Inserts murine HoxD13 exon 2 (homeodomain) was amplified and inserted in-frame into EcoRI+BamHI digested CKF, resulting in an N-terminal FLAG tag.

Reporter gene

Promoter, CMV, SV40 poly A
splice,
PolyA

Comments

Reference Dudek and Picard (2008) PLoS One 3, e1859

Construct number

2125

Date entered

7.8.07

Constructed by

OpenBiosystems

Date constructed

PLASMID NAME

Sh2 hp23

sh2 RHS3979-9628658

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

TRC shRNA construct targeting human p23

Sequence is of hairpin loop is:

CCGGCCAGAAGTAGATGGAGCAGATCTCGAGATCTGCTCCATCTACTTCTGGTT

TTTG

Color Codes: sense loop antisense

target in CDS : ATCTGCTCCATCTACTTCTGG

Reporter gene

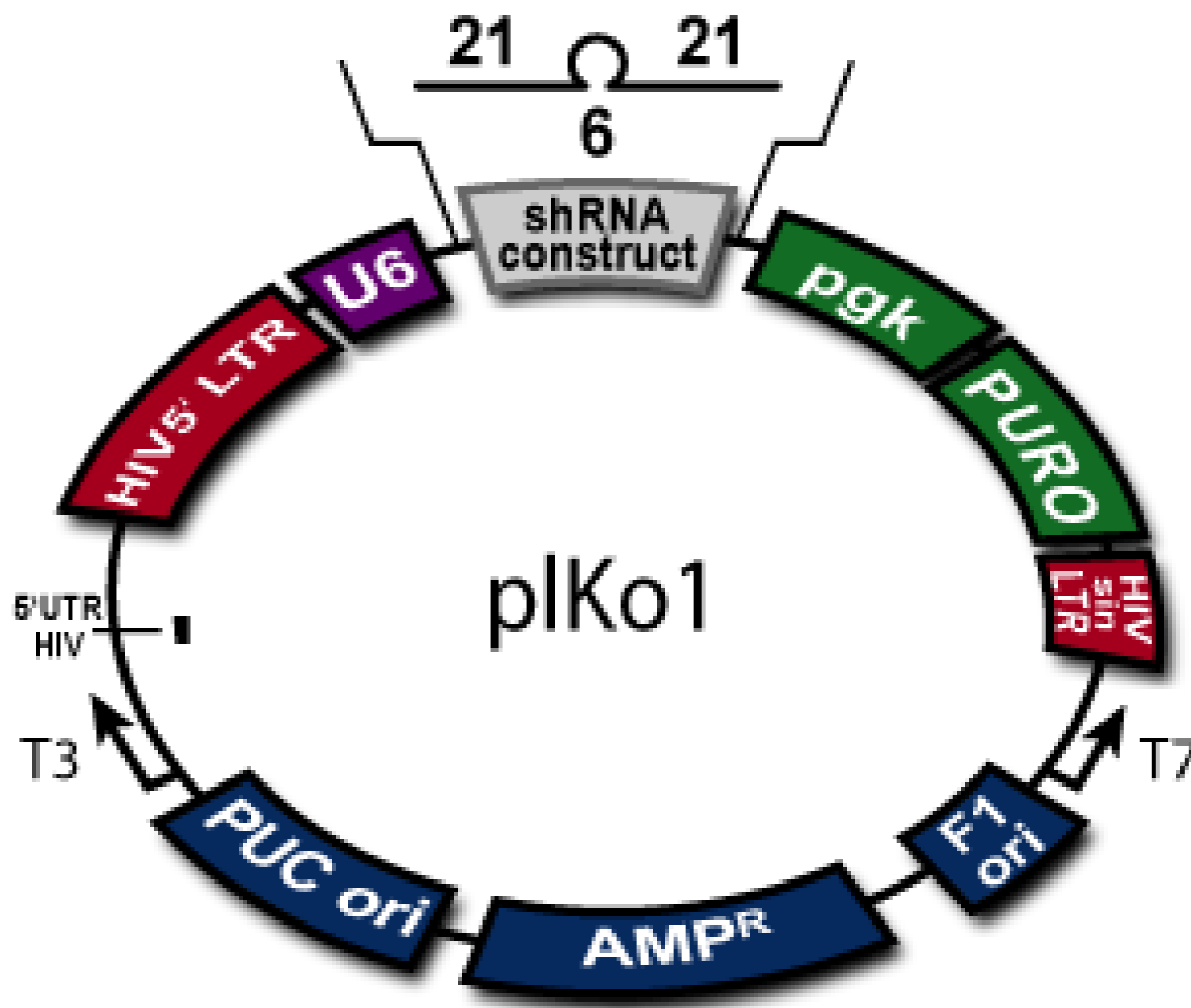
Promoter, splice, PolyA

human U6 promoter

Comments

- lentiviral vector
- see www.openbiosystems.com for more details

Reference



Construct number

2126

Date entered

7.8.07

Constructed by

OpenBiosystems

Date constructed

PLASMID NAME

Sh3 hp23

sh3 RHS3979-9628659

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

TRC shRNA construct targeting human p23

Sequence is of hairpin loop is:

CCGGCAAATGATTCCAAGCATAAACTCGAGTTTATGCTTGAATCATTGGTT

TTTG

Color Codes: sense loop antisense

target in CDS : TTTATGCTTGAATCATTGG

Reporter gene

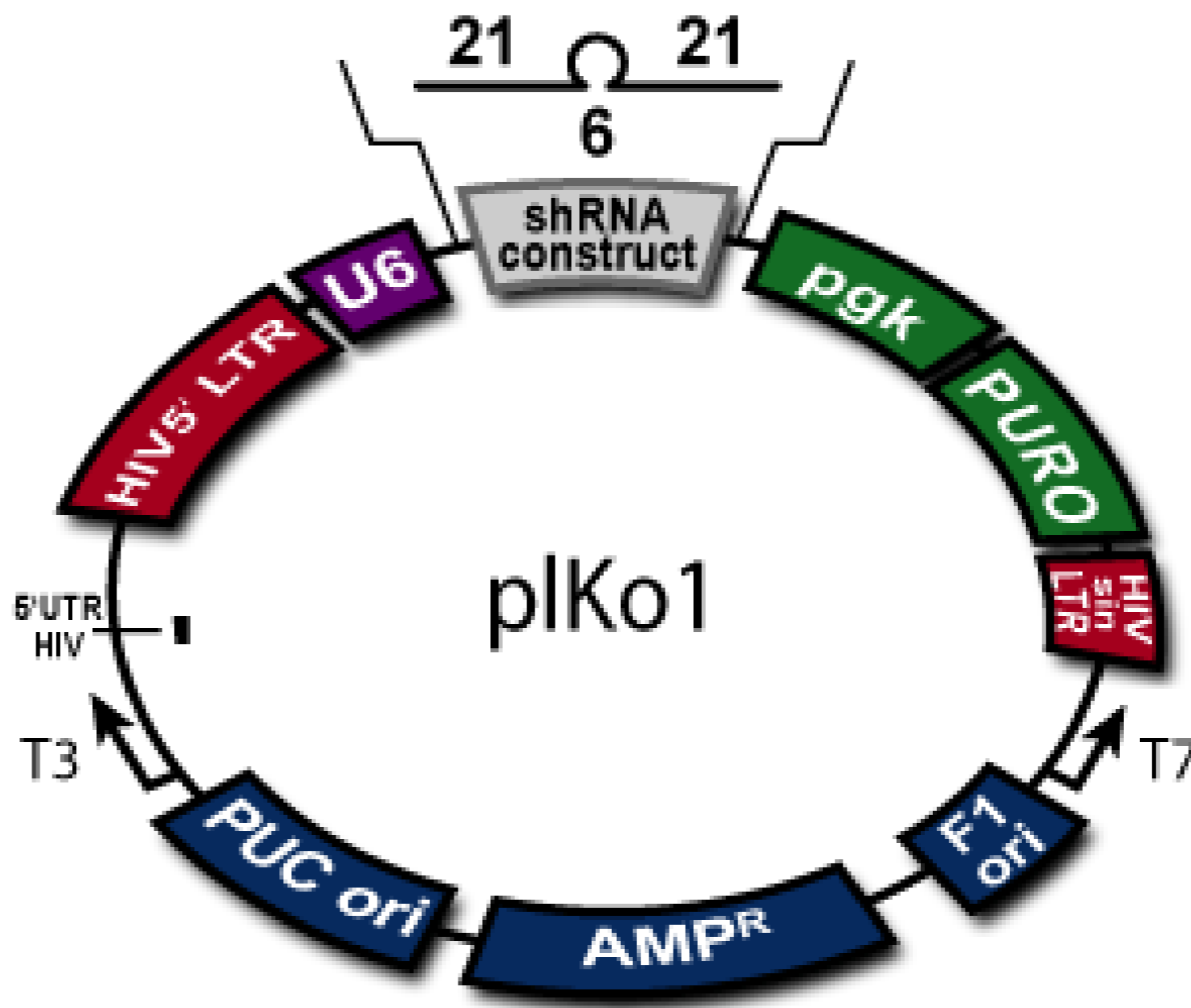
Promoter,
splice,
PolyA

human U6 promoter

Comments

- lentiviral vector
- see www.openbiosystems.com for more details

Reference



Construct number

2127

Date entered

7.8.07

Constructed by

OpenBiosystems

Date constructed

PLASMID NAME

Sh4 hp23

sh4 RHS3979-9628660

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

TRC shRNA construct targeting human p23

Sequence is of hairpin loop is:

CCGGGAAGACAGTAAGGATGTTAATCTCGAGATTAACATCCTTACTGTCTTCTT

TTTG

Color Codes: sense loop antisense

target in CDS : ATTAACATCCTTACTGTCTTC

Reporter gene

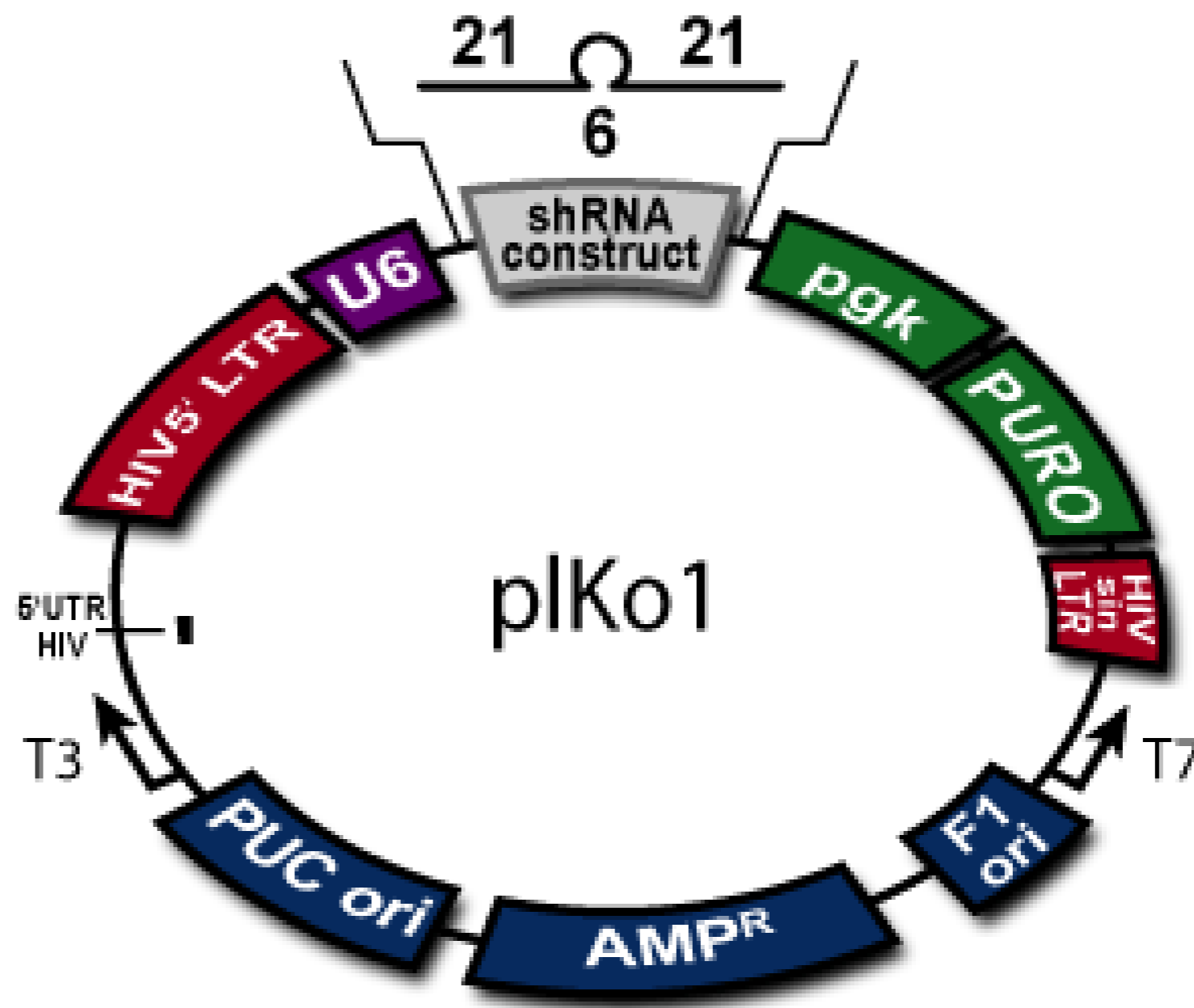
Promoter,
splice,
PolyA

human U6 promoter

Comments

- lentiviral vector
- see www.openbiosystems.com for more details

Reference



Construct number 2128

Date entered 7.8.07

Constructed by OpenBiosystems

Date constructed

PLASMID NAME

Sh5 hp23

sh5 RHS3979-9628661

bacterial marker Amp

vertebrate marker Puromycin

parent vector pLKO.1

bacterial plasmid pUC

other relevant source constructs

Inserts TRC shRNA construct targeting human p23

Sequence is of hairpin loop is:

CCGGGACTGGGAAGATGATTCAGATCTCGAGATCTGAATCATCTTCCCAGTCTT

TTTG

Color Codes: sense loop antisense

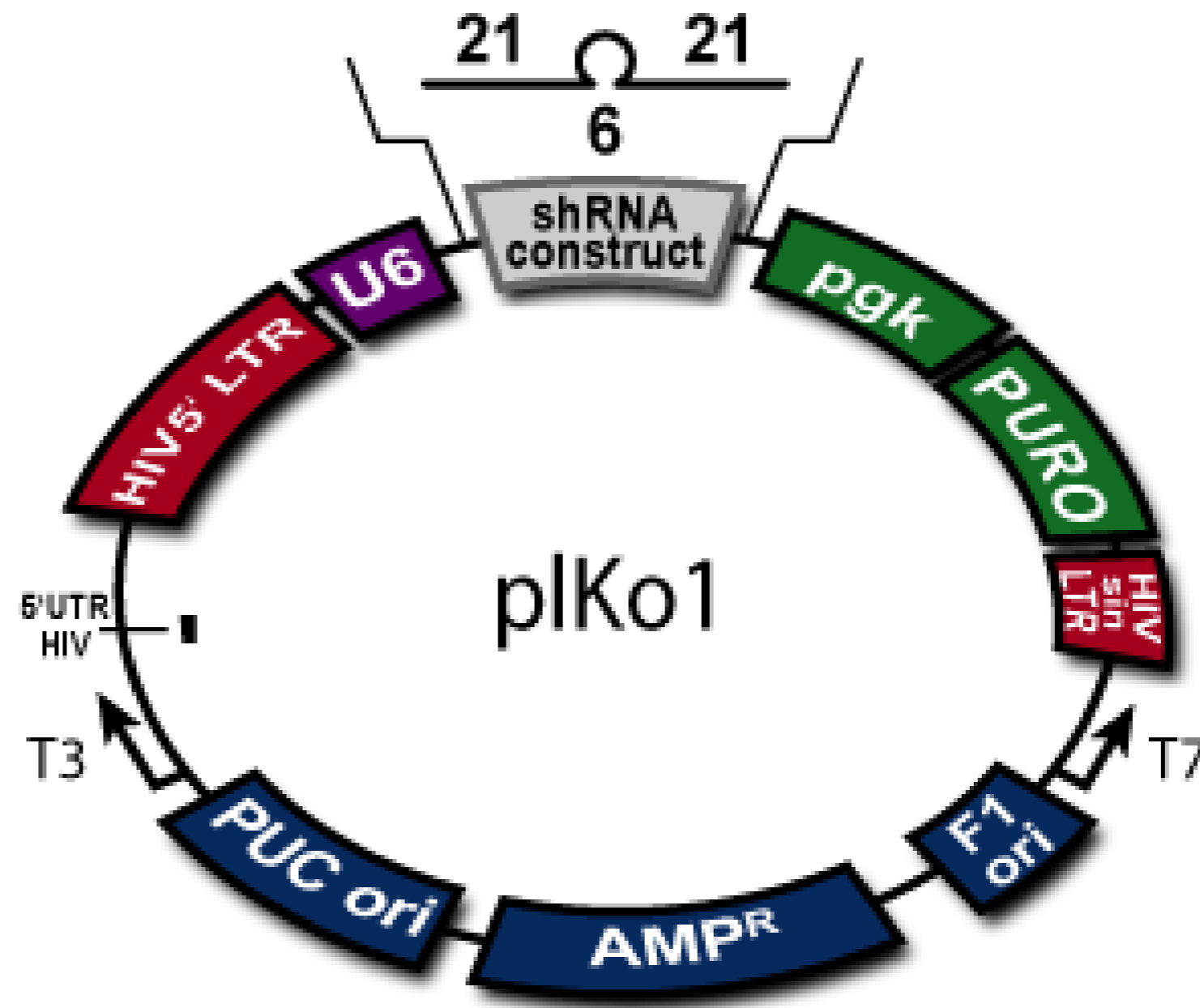
target in CDS : ATCTGAATCATCTTCCCAGTC

Reporter gene

Promoter, splice, PolyA human U6 promoter

Comments - lentiviral vector
- see www.openbiosystems.com for more details

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 15.10.07

Constructed by P.A.Briand

Date constructed May 2007

PLASMID NAME

pET/mCARM1(S448A)

bacterial marker Amp

parent vector

pET/mCARM1

bacterial plasmid

pBR322

other relevant source constructs

pSG-HA-CARM1(S448A)

Inserts E. coli expression vector for His6-tagged mouse CARM1 (separated by thrombin cut site), S448A point mutant

Reporter gene

Promoter,
splice,
PolyA T7 promoter, lac operator, and terminator

Comments - one N-terminal Ala of CARM1 is missing (only 4 instead of 5).
- Plasmid carries lacI gene

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 15.10.07

Constructed by P.A BRIAND

Date constructed fall 2007

PLASMID NAME

pET/mCARM1(S448E)

bacterial marker Amp

parent vector

pET/mCARM1

bacterial plasmid

pBR322

other relevant source constructs

pSG-HA-CARM1(S448E)

Inserts E. coli expression vector for His6-tagged mouse CARM1 (separated by thrombin cut site), S448E point mutant

Reporter gene

Promoter,
splice,
PolyA T7 promoter, lac operator, and terminator

Comments - one N-terminal Ala of CARM1 is missing (only 4 instead of 5).
- Plasmid carries lacI gene

Reference

Construct number
Constructed by Gambhir lab

Date entered 29.10.07
Date constructed

PLASMID NAME

N-RLUC-hER₂₈₁₋₅₄₉-C-RLUC

bacterial marker Amp	parent vector pcDNA3.1(+) derivative
vertebrate marker Puromycin	bacterial plasmid pUC
eucaryotic replicon SV40 ori	other relevant source constructs

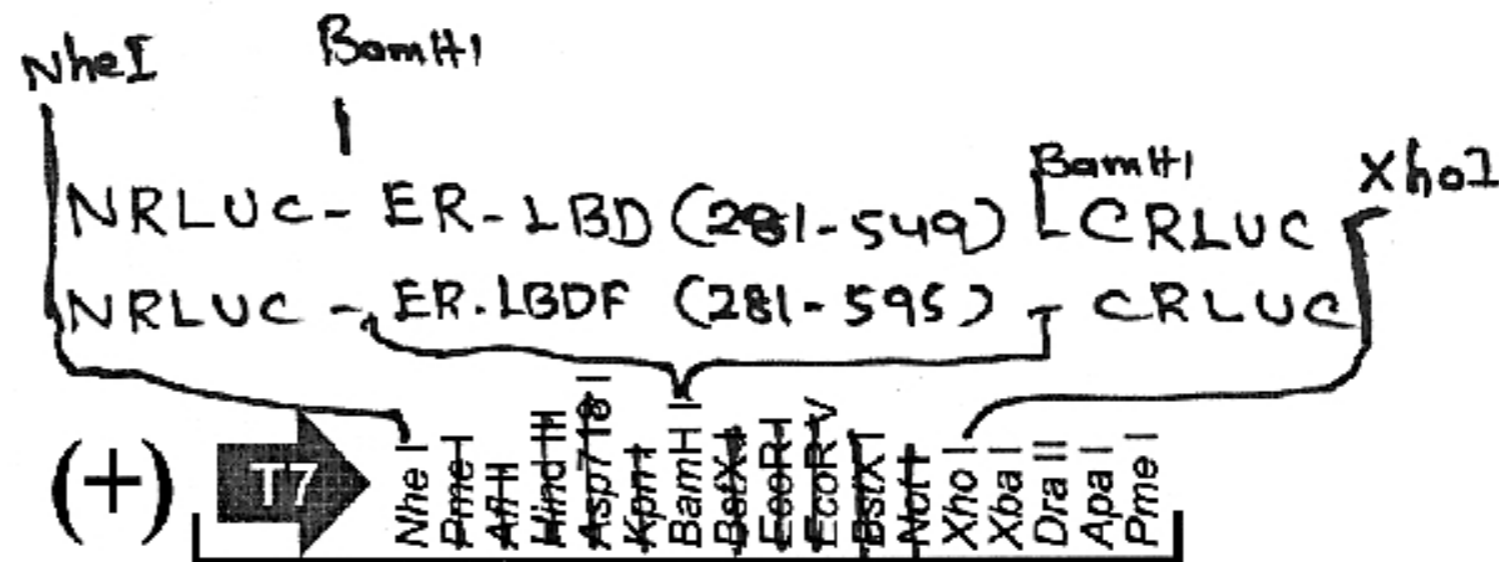
Inserts Split Renilla luciferase containing human estrogen receptor α ligand binding domain (aa 281-549) between the two parts.

Reporter gene

Promoter, - CMV promoter
splice, - T7 promoter/priming site
PolyA - BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments - note that neo marker has been replaced by puromycin marker

Reference Paulmurugan and Gambhir (2006) PNAS 103, 15883



Construct number

2132

Date entered

29.10.07

Constructed by

Gambhir lab

Date constructed

PLASMID NAME

N-RLUC-hER₂₈₁₋₅₉₅-C-RLUC

bacterial marker Amp

vertebrate marker Puromycin

eucaryotic replicon SV40 ori

parent vector

pcDNA3.1(+) derivative

bacterial plasmid

pUC

other relevant source constructs

Inserts

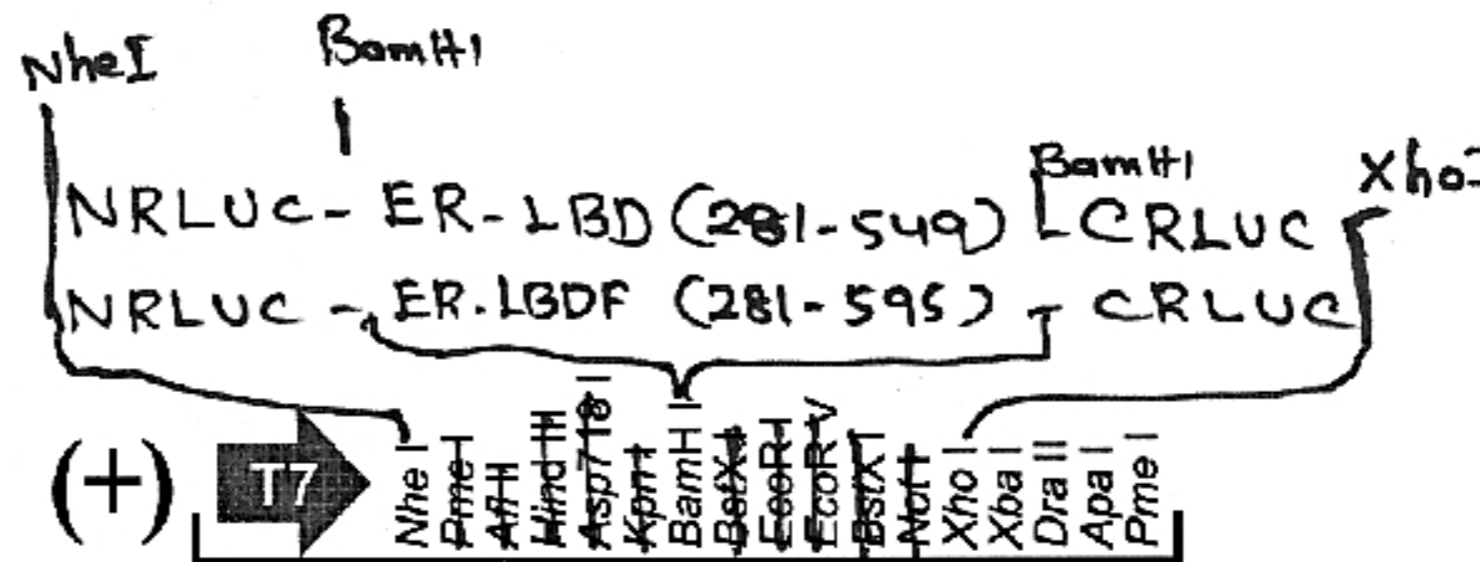
Split Renilla luciferase containing human estrogen receptor α ligand binding domain (aa 281-595) between the two parts.

Reporter gene

- CMV promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments - note that neo marker has been replaced by puromycin marker

Reference Paulmurugan and Gambhir (2006) PNAS 103, 15883



Construct number 2134

Date entered 23.11.07

Constructed by BACPAC Resources Center

Date constructed

PLASMID NAME

RP11-479J12

bacterial marker Chl

parent vector

pBACe3.6

bacterial plasmid

other relevant source constructs

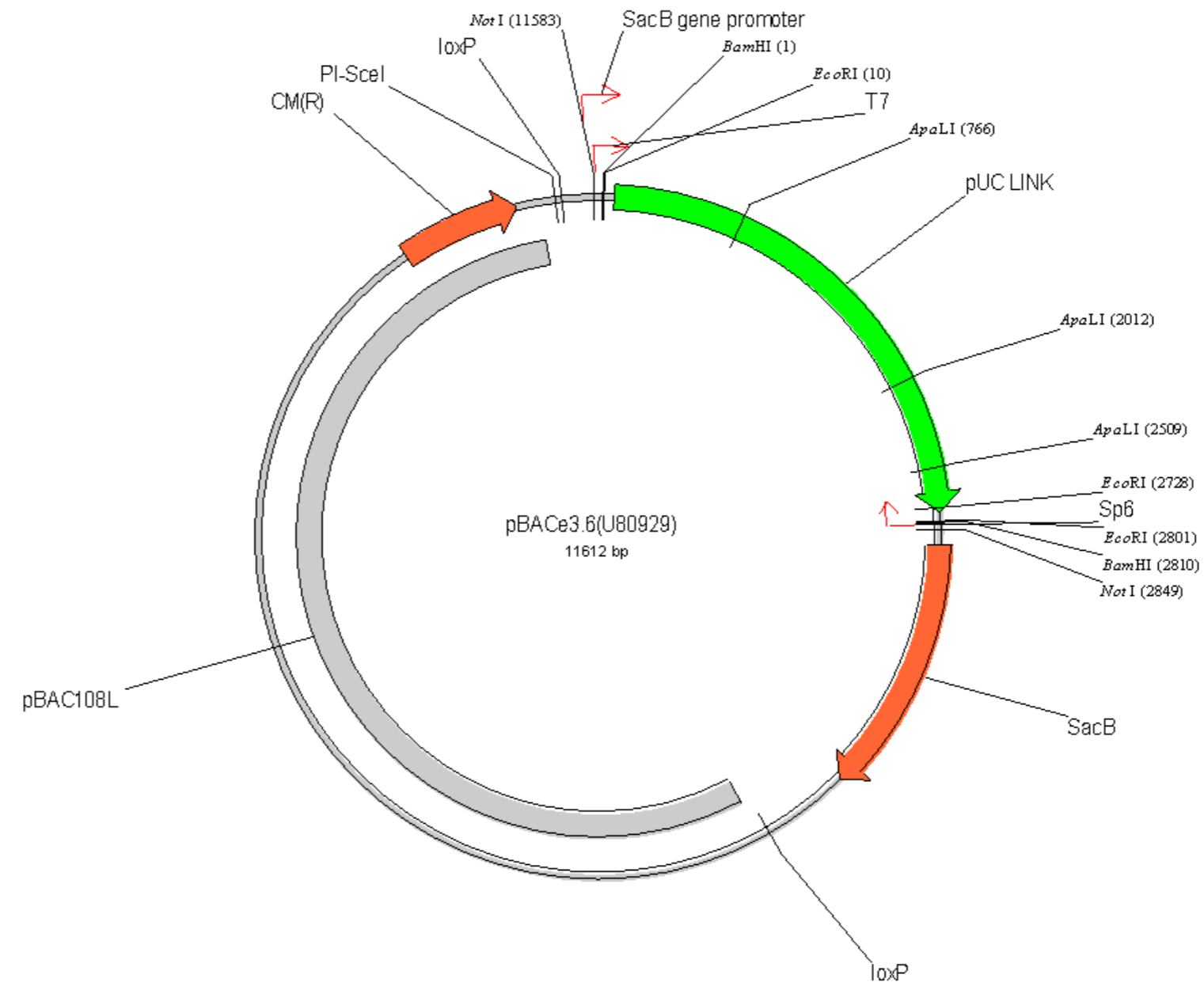
Inserts BAC of EPHB3 gene (large scale of upstream region and gene itself)
The insert sequence can be found in genome browser at position:
chr3:185,793,484-185,965,002

Reporter gene

Promoter,
splice,
PolyA

Comments The plasmids are hosted by DH10 E.coli in LB+Agar+Chloramphenicol (12.5ug/ml) medium. The insert is located between the EcoRI sites of the pBACe3.6 vector. For detail see <http://bacpac.chori.org/pbace36.htm>

Reference



Construct number

2135

Date entered

23.11.07

Constructed by

BACPAC Resources Center

Date constructed

PLASMID NAME

RP11-619115

bacterial marker

Chl

parent vector

pBACe3.6

bacterial plasmid

other relevant source constructs

Inserts

BAC covering the TFF1 / ps2 gene which serves as ER activities reporter gene.

The insert sequence can be found in genome browser at position:
chr21:42,514,453-42,703,548

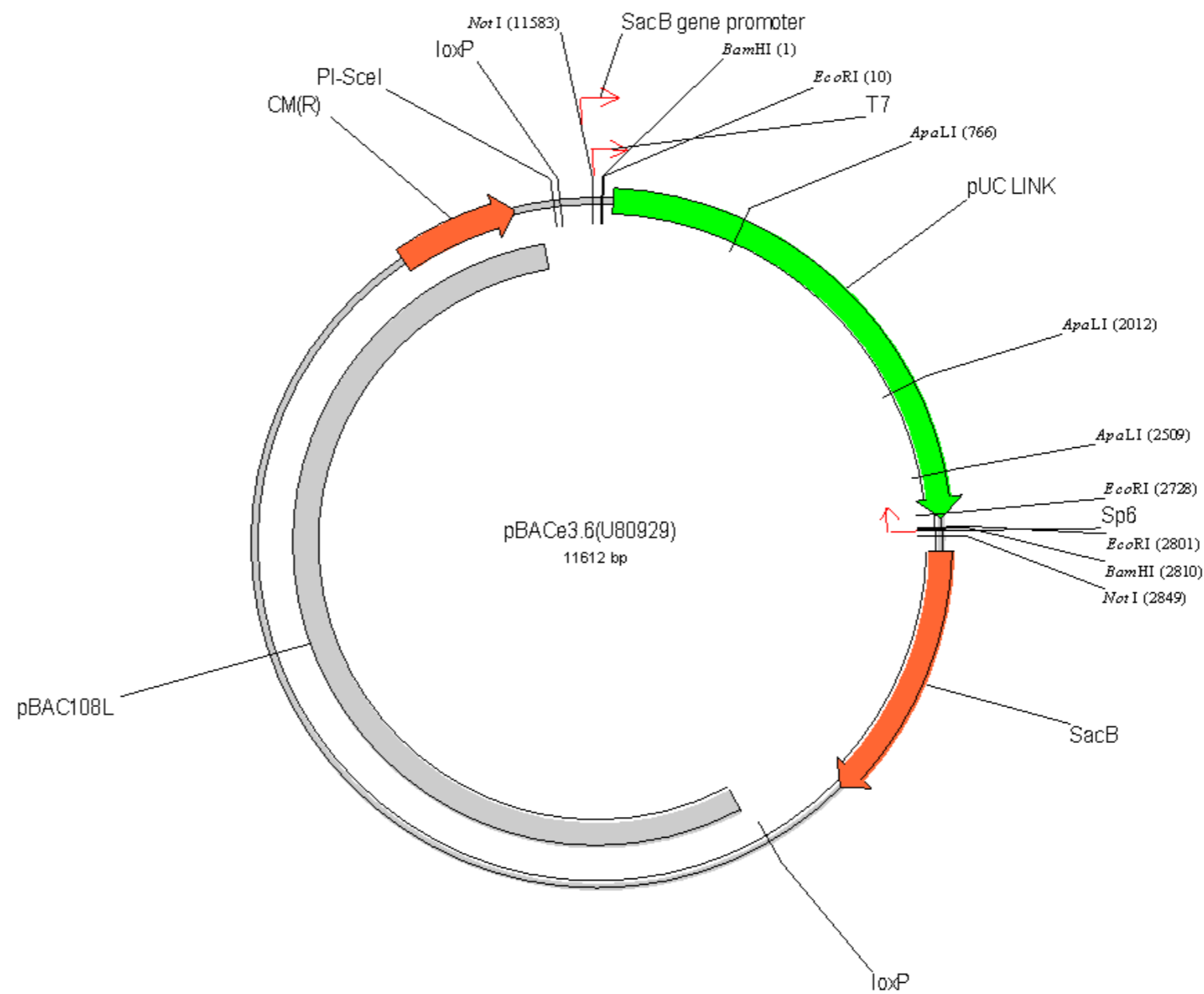
Reporter gene

Promoter,
splice,
PolyA

Comments

The plasmids are hosted by DH10 E.coli in LB+Agar+Chloramphenicol (12.5ug/ml) medium. The insert is located between the EcoRI sites of the pBACe3.6 vector. For detail see <http://bacpac.chori.org/pbace36.htm>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 2136

Date entered 28.11.07

Constructed by Diana Wider

Date constructed 11.07

PLASMID NAME

pHGF/Hsp90a

bacterial marker Amp	parent vector pRS313 GPD Flag HsHsp90b
yeast marker HIS3	bacterial plasmid Bluescript
eucaryotic replicon CEN/ARS	other relevant source constructs pRS313/Hsp90a

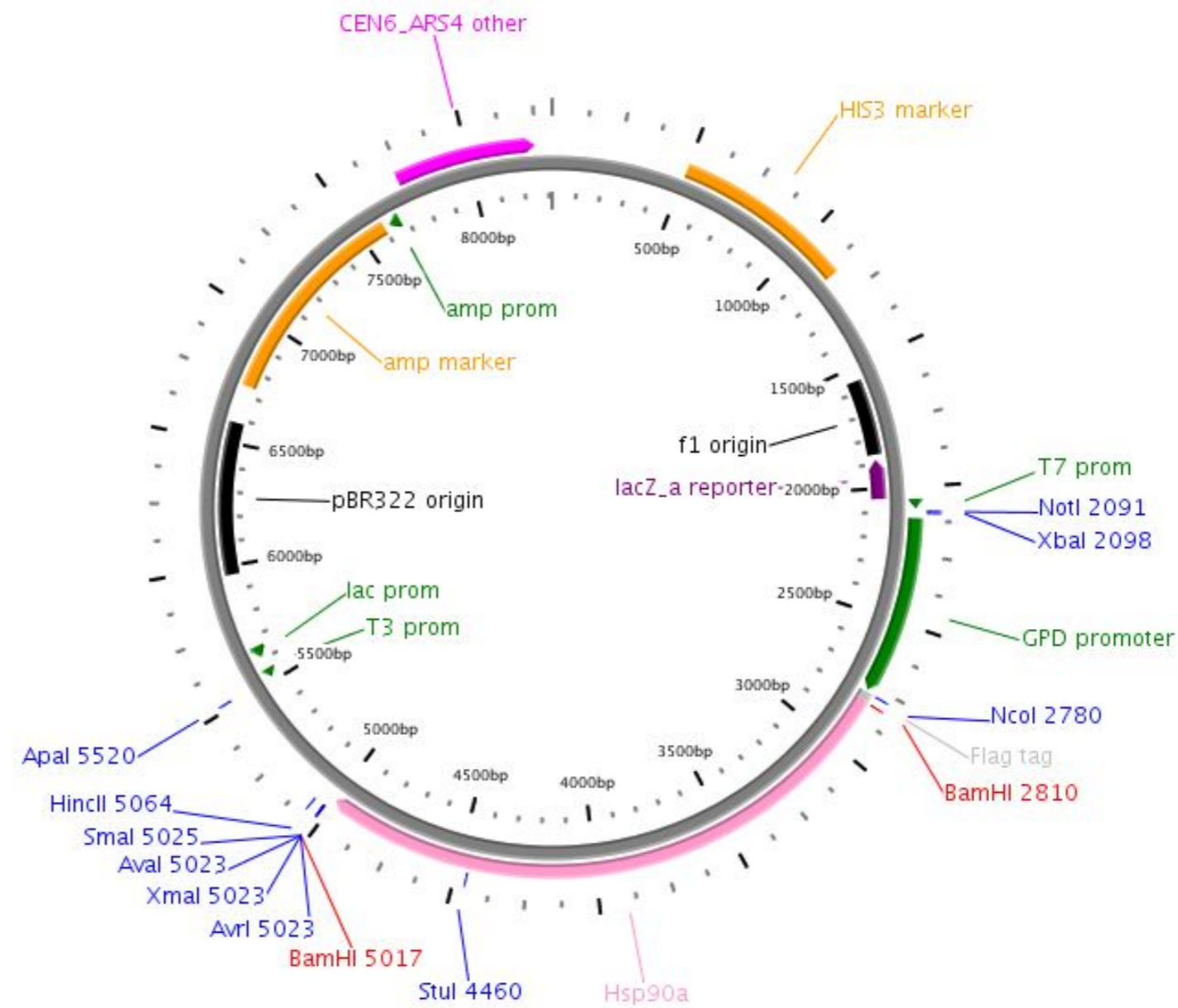
Inserts Flag-tagged human Hsp90a

Reporter gene

Promoter, splice, PolyA
- GPD promoter
- PGK terminator

Comments - complete sequence available

Reference Wang, T., et al., Differences in Conformational Dynamics between Plasmodium falciparum and Human Hsp90 Orthologues Enable the Structure-Based Discovery of Pathogen-Selective Inhibitors. J Med Chem, 2014.



Construct number

2137

Date entered

2.12.07

Constructed by

Stallcup lab

Date constructed

PLASMID NAME

pM-CARM1

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

CARM (3-608) is an EcoRI-BglIII fragment cloned into an EcoRI-BamHI site

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

JBC 276:1089 (2001)

Construct number

2138

Date entered

2.12.07

Constructed by

Stallcup lab

Date constructed

PLASMID NAME

pVP16-CARM1

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

CARM (3-608) is an EcoRI-BglIII fragment cloned into an EcoRI-BamHI site

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

JBC 277:46066 (2002)

Construct number

2139

Date entered

7.12.07

Constructed by

PlasmID, Harvard Medical School

Date constructed

PLASMID NAME

ScCD00011314

alternative name

pBY011/Gpa1

bacterial marker Amp

parent vector

pBY011

bacterial plasmid

pUC

other relevant source constructs

yeast marker URA3

eucaryotic replicon CEN/ARS

Inserts

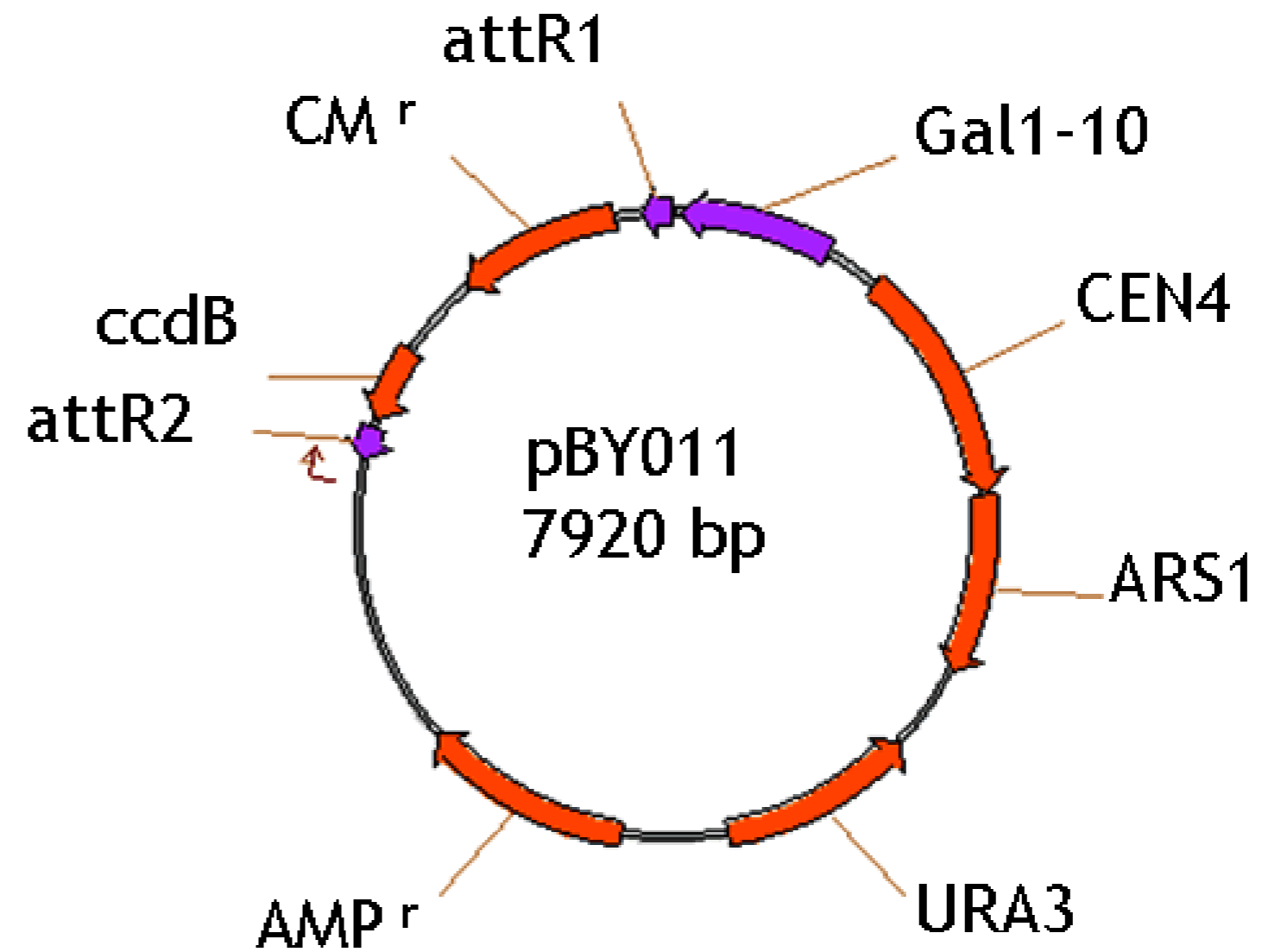
S. cerevisiae Gpa1 coding region with the following adaptors: at 5' end AUG-TCCAGCTGACCACC, at 3' end stop-CATGGCAATTCCTGGGAT

Reporter gene

Promoter, splice, PolyA Gal1-10 promoter

Comments - map shows parent vector

Reference



Construct number 2140

Date entered 11.12.07

Constructed by OpenBiosystems (biocat.de)

Date constructed

PLASMID NAME

BG1805/Gpa1

alternative name

YSC3867-9522171

bacterial marker Amp

parent vector

BG1805

bacterial plasmid

pUC

other relevant source constructs

yeast marker URA3

Inserts

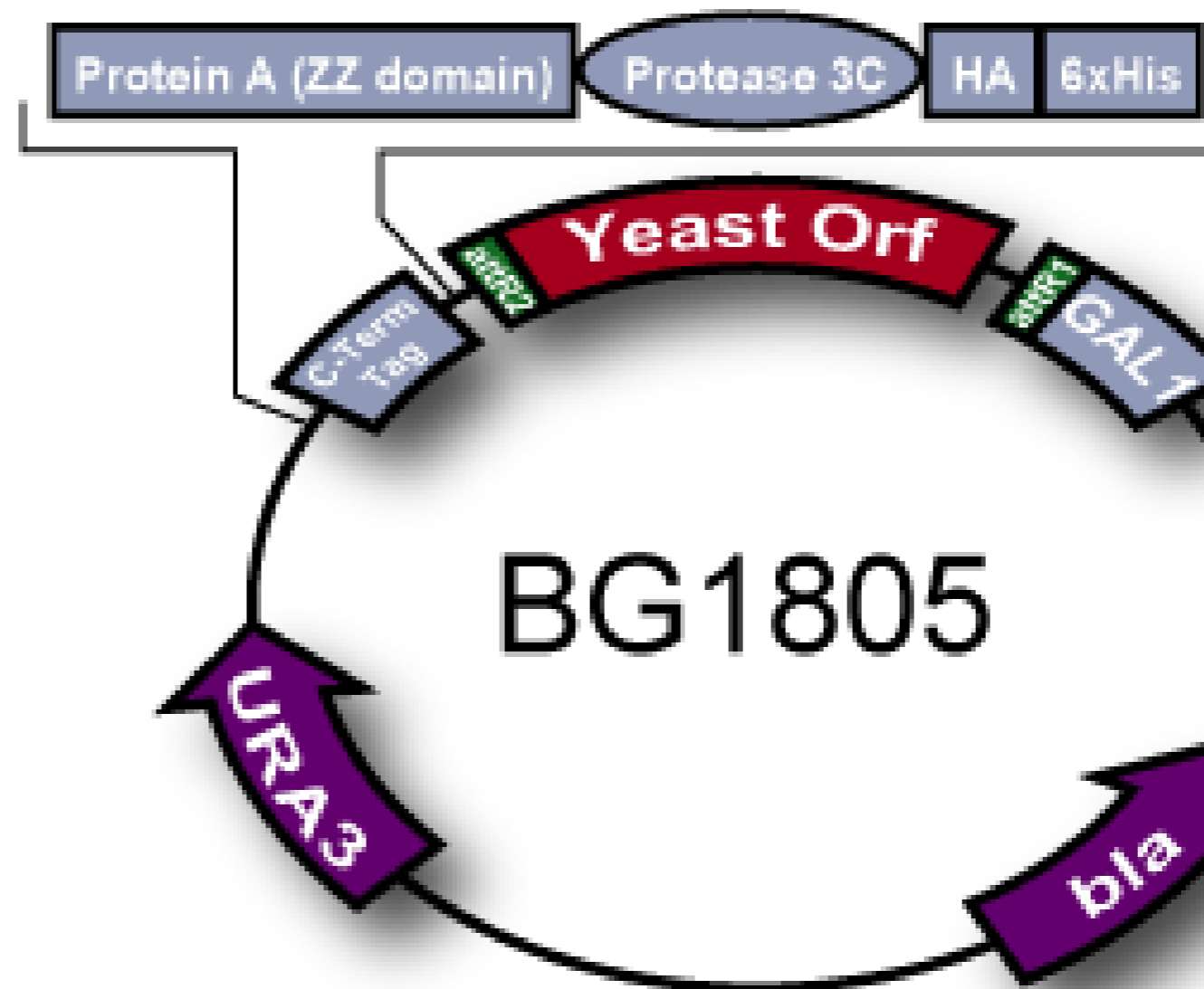
S. cerevisiae Gpa1 ORF between attB Gateway sites and C-terminal tags (6xHis - HA - Protease 3C - Protein A ZZ domain)

Reporter gene

Promoter, splice, PolyA Gal1

Comments - lacks replicon for yeast
- alternative name is OpenBiosystems ID
- map and sequence only of parent vector

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 18.1.08

Constructed by Pierre-André Briand

Date constructed 01.2008

PLASMID NAME

pSG/mERa

bacterial marker Amp	parent vector pSG5
eucaryotic replicon SV40 ori	bacterial plasmid Bluescribe M13+
	other relevant source constructs intermediate

Inserts mouse estrogen receptor α (ER α) (full-length)

Reporter gene

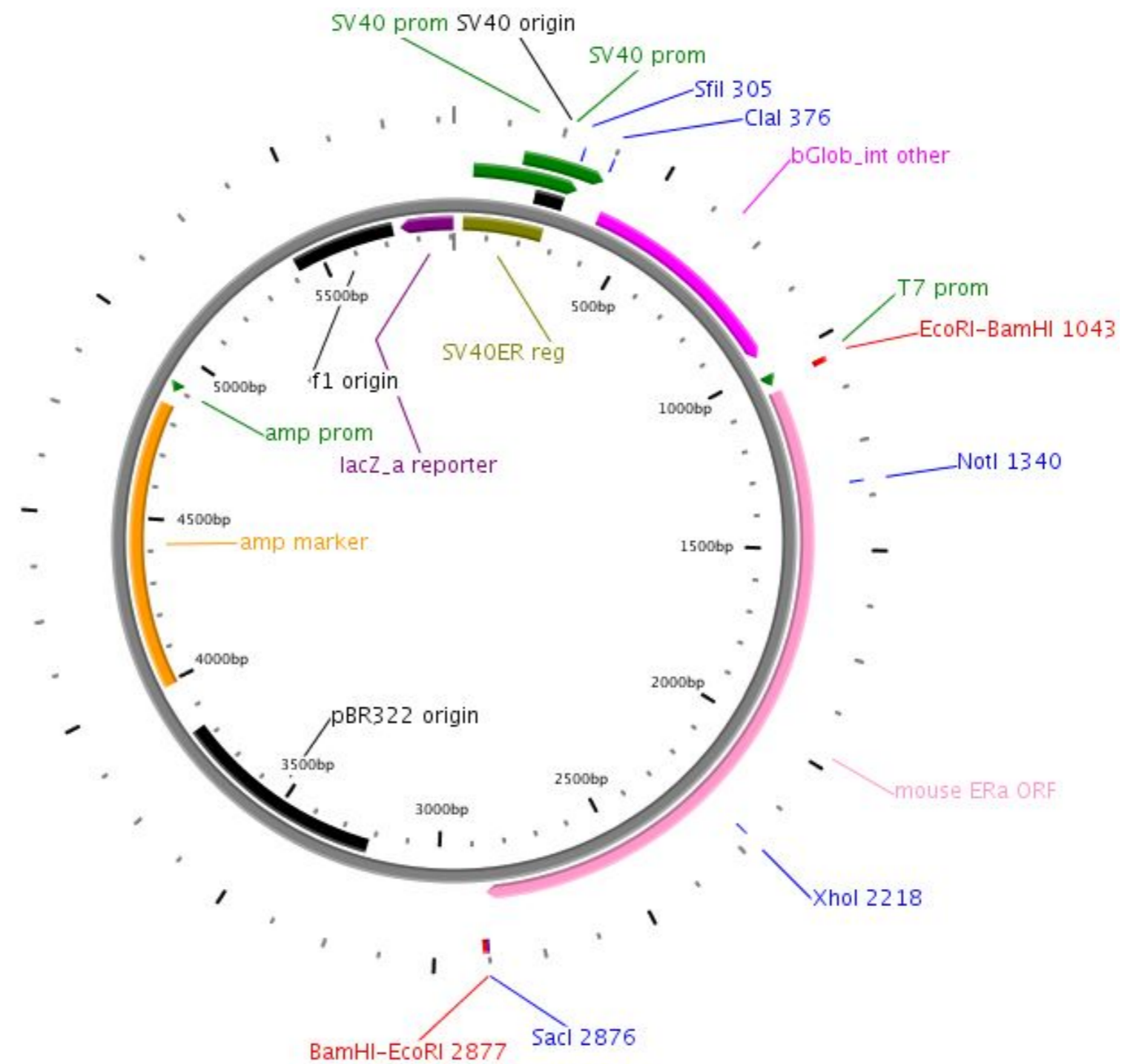
Promoter, splice, PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

- expression vector replicates in COS cells.
- sequence available

Reference for vector pSG5: Green et al. (1988) NAR 16, 369.



DIDIER PICARD LAB, University of Geneva

Construct number 2142

Date entered 18.1.08

Constructed by Pierre-André Briand

Date constructed 01.2008

PLASMID NAME

pSG/mERaS468A

bacterial marker Amp	parent vector pSG5
eucaryotic replicon SV40 ori	bacterial plasmid Bluescribe M13+
	other relevant source constructs intermediate

Inserts mouse estrogen receptor α (ER α) (full-length) with S468A mutation.
Codons 464 to 470 are changed to ACATTTCTGAGCGCCACCCTG (several silent changes plus S468A).

Reporter gene

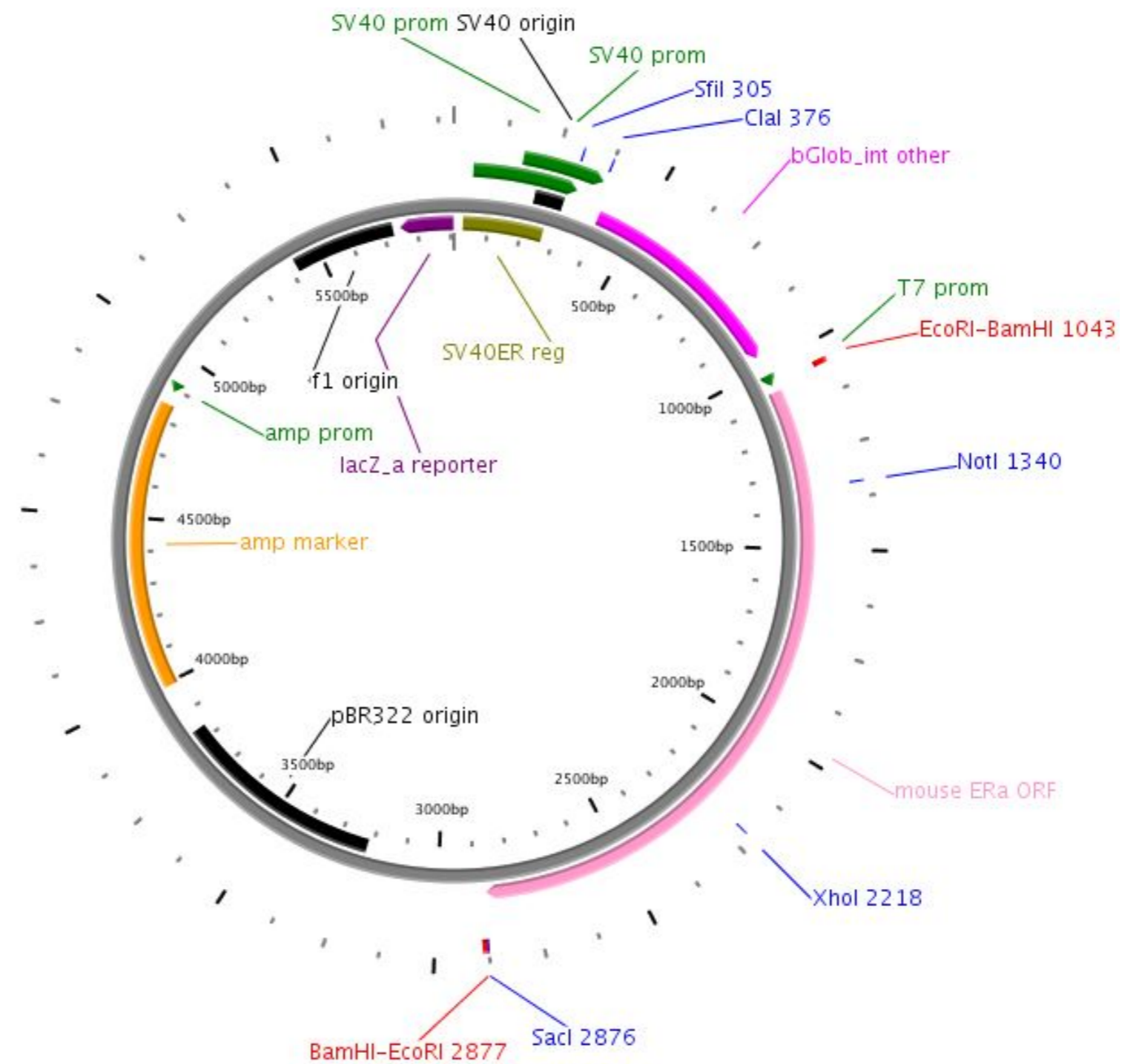
Promoter, splice, PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

- expression vector replicates in COS cells.
- sequence available

Reference for vector pSG5: Green et al. (1988) NAR 16, 369.



Construct number 2143

Date entered 23.1.08

Constructed by CHORI BACPAC resource

Date constructed

PLASMID NAME

RPCI-24-250B13

bacterial marker Chl

parent vector

pTARBAC1

bacterial plasmid

low copy!

other relevant source constructs

Inserts BAC of mouse genomic DNA (C57BL/6J male) from ESR1 region (3' end of gene).

Partial MboI fragments cloned between the two BamHI sites.

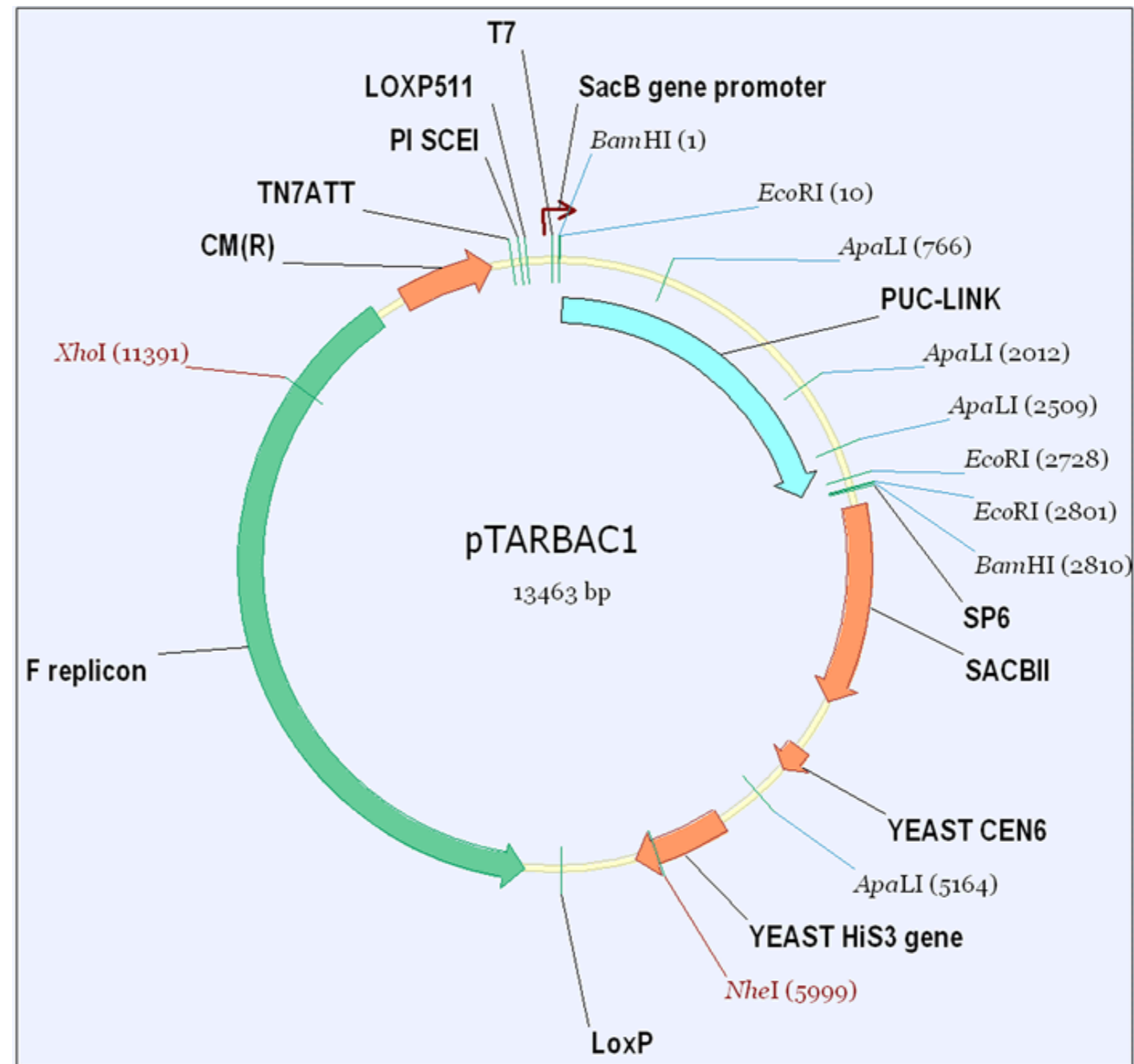
Chr 10, Start: 5264691 / End: 5446082, Length: 181392, + strand

Reporter gene

Promoter, splice, PolyA T7 and Sp6

Comments - Map layout shows genomic map.
- Note that ESR1 gene is going from right to left (- strand)

Reference



Construct number 2144

Date entered 23.1.08

Constructed by CHORI BACPAC resource

Date constructed

PLASMID NAME

RPCI-24-327C15

bacterial marker Chl

parent vector

pTARBAC1

bacterial plasmid

low copy!

other relevant source constructs

Inserts BAC of mouse genomic DNA (C57BL/6J male) from ESR1 region (3' end of gene).

Partial MboI fragments cloned between the two BamHI sites.

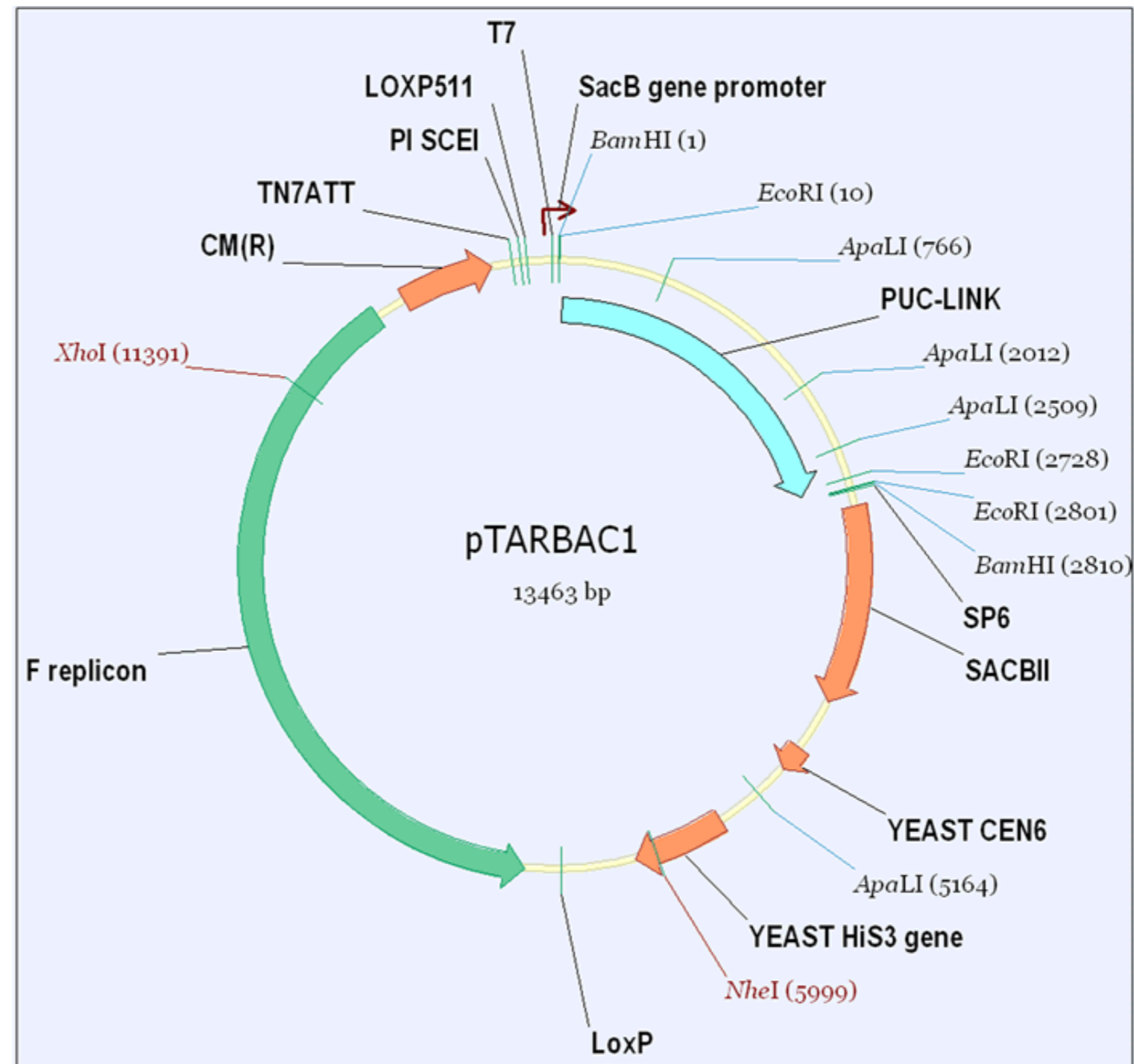
Chr 10, Start: 5263327 / End: 5474544, Length: 211218, - strand

Reporter gene

Promoter, splice, PolyA T7 and Sp6

Comments - Map layout shows genomic map.
- Note that ESR1 gene is going from right to left (- strand)

Reference



Construct number

2145

Date entered

24.1.08

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.2.08

Constructed by Marie Maxit

Date constructed 1.11.2006

PLASMID NAME

F-ERb

bacterial marker Kan

vertebrate marker Neo (G418)

parent vector

CKF

bacterial plasmid

other relevant source constructs

Inserts Flag tag fused to N-terminal part of hER beta

Reporter gene

Promoter, CMV
splice, SV40 poly A
PolyA

Comments Look in the sequence for Flag-ERbeta junction.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Marie Maxit

Date entered 27.2.08
 Date constructed 11.12.06

PLASMID NAME

F-GR

bacterial marker Kan	parent vector CKF
vertebrate marker Neo (G418)	bacterial plasmid
eucaryotic replicon SV40 ori	other relevant source constructs pTom.GR, pC7G

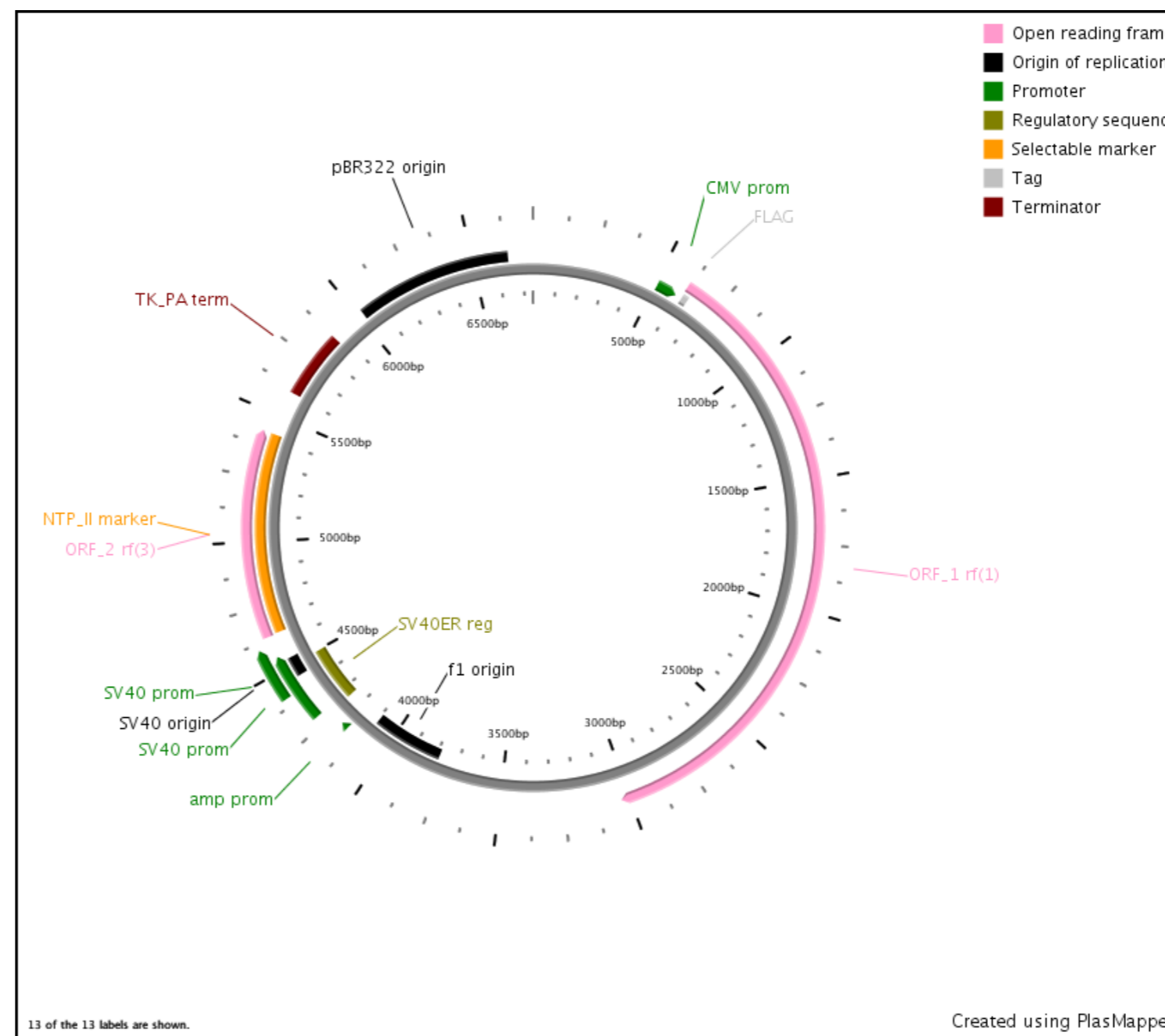
Inserts Flag tag fused to full-length rat glucocorticoid receptor (GR)

Reporter gene

Promoter, splice, PolyA CMV
 SV40 poly A

Comments - relevant GR sequence is from pC7G. Note that codon D236 is GAT (still D) and therefore contains new Bgl2 site.
 - The sequence between the stop codon and the BamHI site (sequence in red color) is uncertain.

Reference **Bhattacharya K,.....Picard D.** The Hsp70-Hsp90 co-chaperone Hop/Stip1 shifts the proteostatic balance from folding towards degradation. Nat Commun (2020) Nov 25;11(1):5975.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 28.3.08

Constructed by Pierre-André Briand

Date constructed 03.2008

PLASMID NAME

pSG/mERaSSA

bacterial marker Amp	parent vector pSG5
eucaryotic replicon SV40 ori	bacterial plasmid Bluescribe M13+
	other relevant source constructs intermediate

Inserts mouse estrogen receptor α (ER α) (full-length) with double mutation S467A-S468A.
Codons 467 and 468 are changed from TCCAGC to GCAGCC

Reporter gene

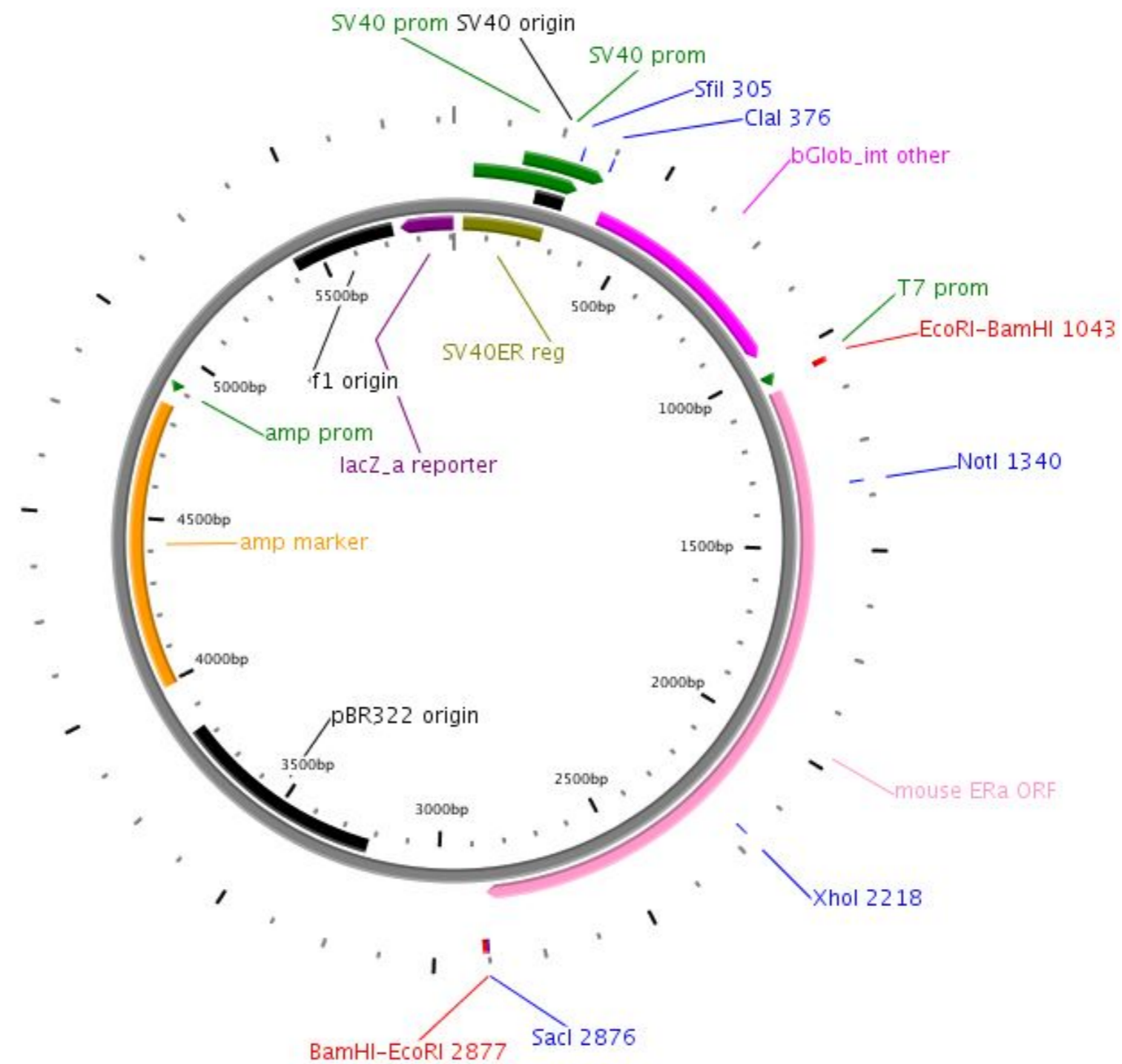
Promoter, splice, PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

- expression vector replicates in COS cells.
- see also plasmid pSG5/mER α for further details.

Reference for vector pSG5: Green et al. (1988) NAR 16, 369.



DIDIER PICARD LAB, University of Geneva

Construct number 2149

Date entered 28.3.08

Constructed by Pierre-André Briand

Date constructed 03.2008

PLASMID NAME

pSG/mERaS468Y

bacterial marker Amp	parent vector pSG5
eucaryotic replicon SV40 ori	bacterial plasmid Bluescribe M13+
	other relevant source constructs intermediate

Inserts mouse estrogen receptor α (ER α) (full-length) with S468Y mutation.
Codon 468 is changed from AGC to TAC

Reporter gene

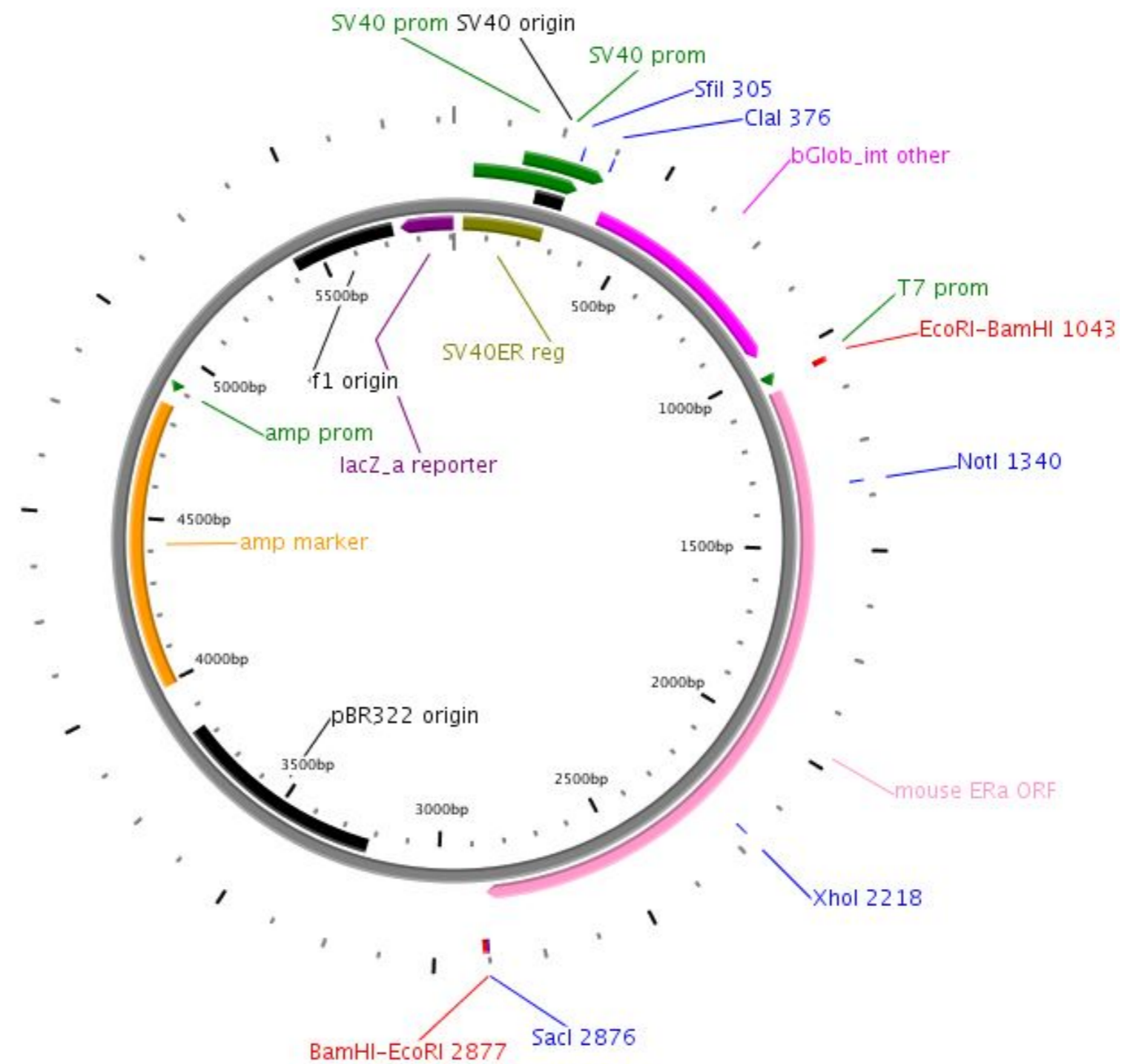
Promoter, splice, PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

- expression vector replicates in COS cells.
- see also plasmid pSG5/mER α for further details.

Reference for vector pSG5: Green et al. (1988) NAR 16, 369.



DIDIER PICARD LAB, University of Geneva

Construct number

2150

Date entered

28.3.08

Constructed by

Pierre-André Briand

Date constructed

03.2008

PLASMID NAME

pETPfu

bacterial marker Amp

parent vector

pET-15B

bacterial plasmid

pBR322

other relevant source constructs

P. furiosus genomic DNA

Inserts

E. coli expression vector for His6-tagged Pfu DNA polymerase.

Reporter gene

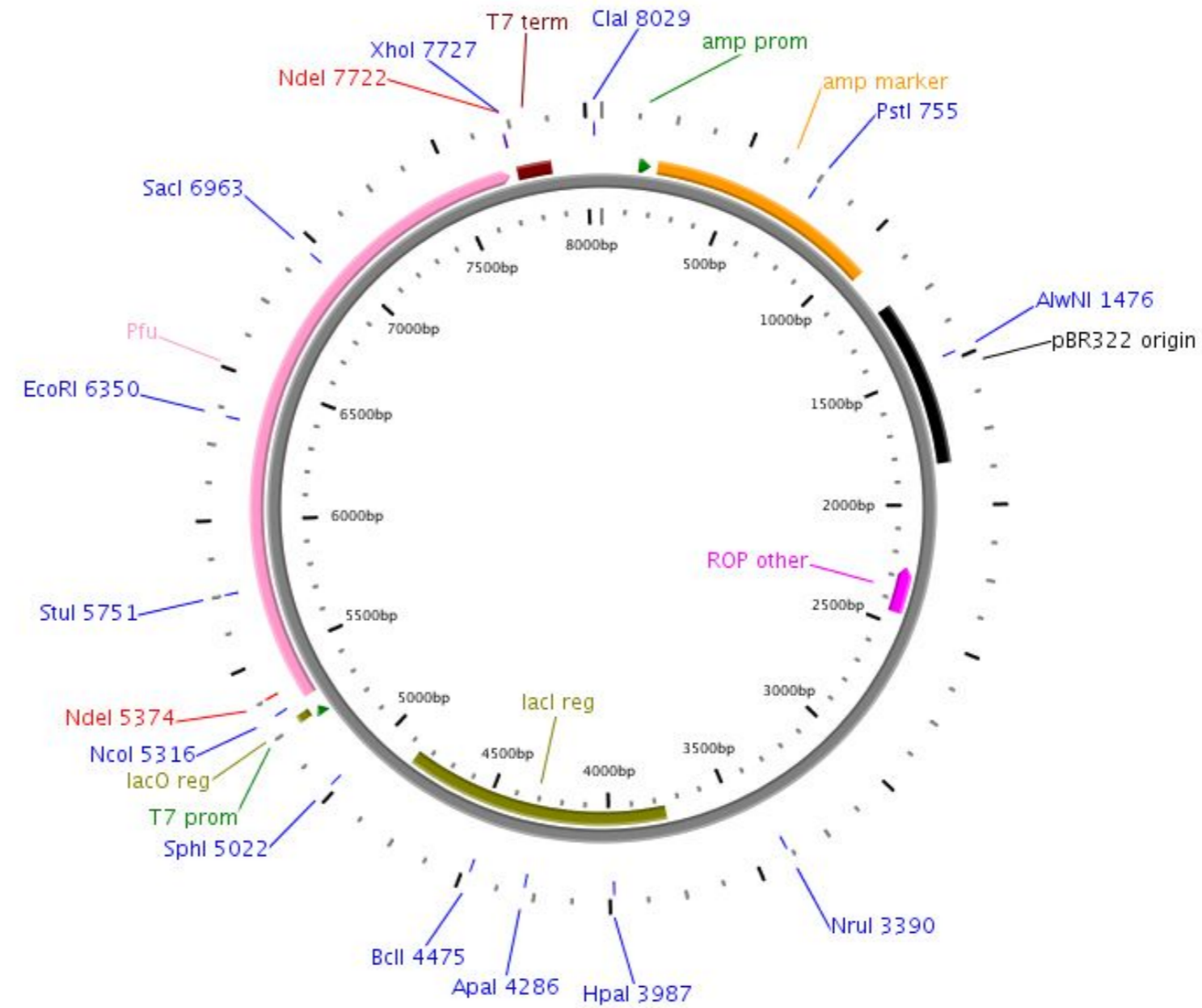
Promoter,
splice,
PolyA

T7 promoter, lac operator and T7 transcription terminator

Comments

- sequence available.
- Plasmid carries lacI gene.
- We made it ourselves exactly as described by Dabrowski and Kur (1998) Prot. Expr. Purif. 14, 131. Pf genomic DNA was purchased from ATCC.

Reference



Construct number

2151

Date entered

31.3.08

Constructed by

P.A. Briand

Date constructed

PLASMID NAME

PET/mCARM1(S448A)

bacterial marker Amp

parent vector

pET/mCARM1

bacterial plasmid

pBr322

other relevant source constructs

pSG-HA CARM1(S448A)

Inserts

E.Coli expression vector for His6-tagged mouse CATM1(separated by thrombin cut site),S48A point mutant

Reporter gene

Promoter,
splice,
PolyA

T7 promoter , lac operator, and terminator

Comments

Reference

one N terminal of CARM1 is missing (only 4 instead of 5)
Plasmid carries lac1 gene

Construct number 2152

Date entered 17.4.08

Constructed by Didier Picard (Yamamoto lab)

Date constructed 1/4/1990

PLASMID NAME

pC7/N556

bacterial marker Amp

parent vector pC7

bacterial plasmid
BLUESCRIPT M13+

other relevant source constructs

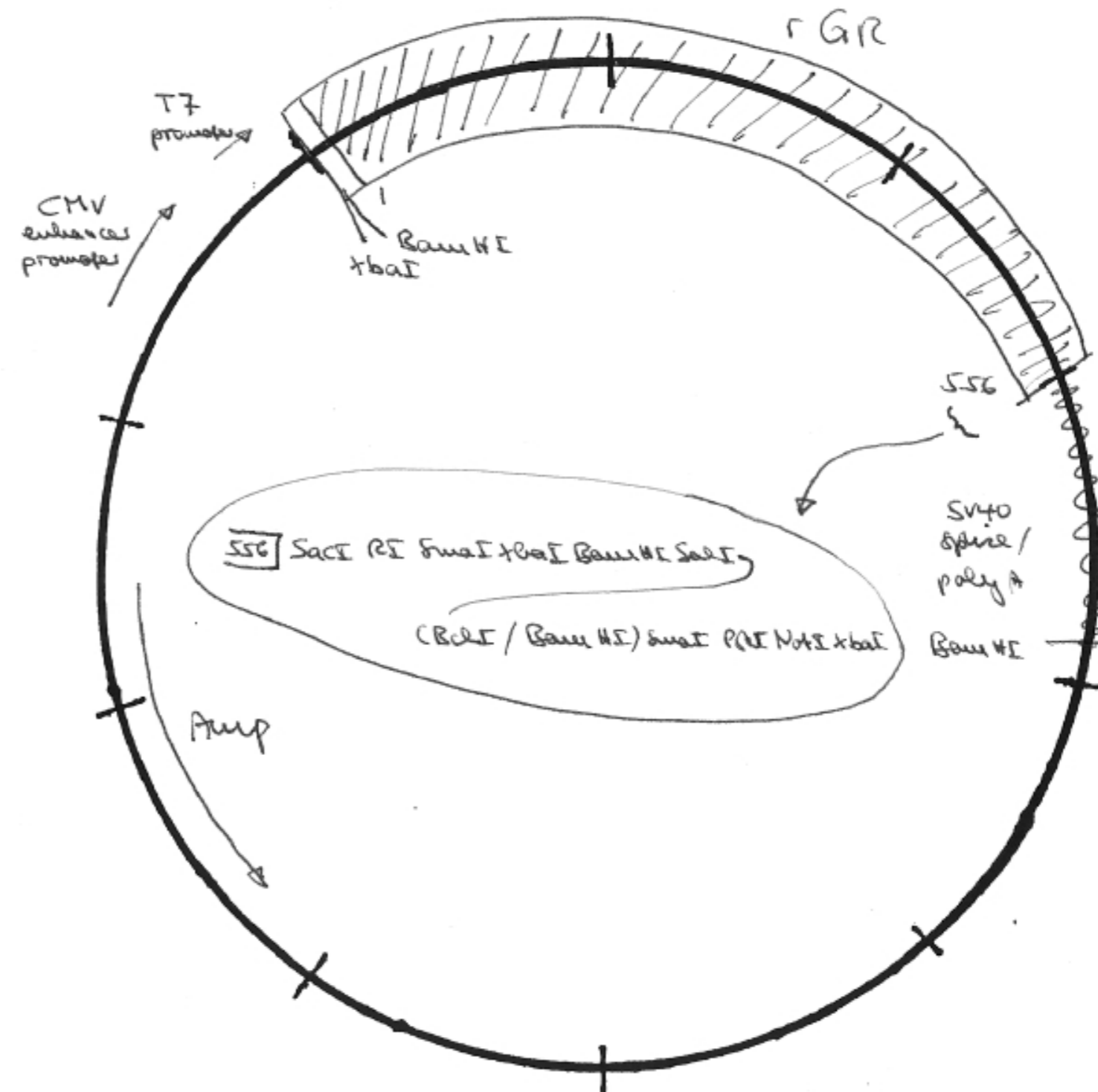
Inserts rat glucocorticoid receptor (rGR), constitutive version (only amino acids 1 to 556)

Reporter gene

Promoter, - CMV1 enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - SV40 splice and polyA.

Comments - contains an "acidic" tail (because of polylinker sequences), see plasmid VA/N556 for details.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 2153

Date entered 24.4.08

Constructed by Pierre-André Briand

Date constructed 04.2008

PLASMID NAME

pET/SRC1(NID)-S

bacterial marker Amp

parent vector

pET-45b(+)

bacterial plasmid

pBR322

other relevant source constructs

Inserts human SRC1 nuclear receptor interaction domain (NID, aa 568-783) in E. coli expression vector.

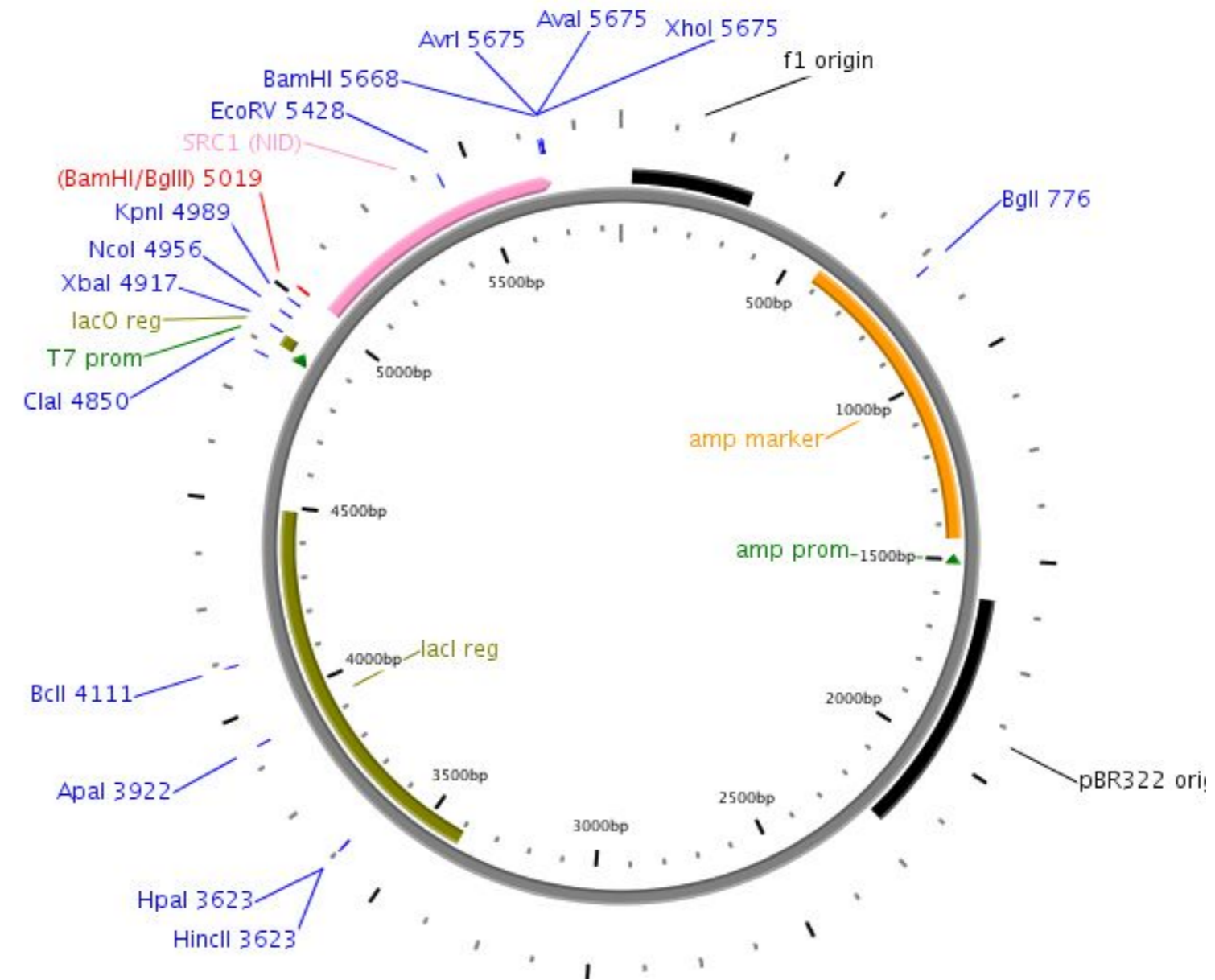
Is expressed with N-terminal His6-tag and enterokinase cut site and C-terminal S-tag.

Reporter gene

Promoter, splice, PolyA T7 promoter, lac operator, and T7 transcription terminator

Comments - sequence available
- Plasmid carries lacI gene.

Reference



Construct number

2154

Date entered

8.5.08

Constructed by

Edith Pajot

Date constructed

PLASMID NAME

pRGP-Golf

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

bacterial plasmid

pUC

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA GPA1 promoter and terminator

Comments

Reference Minic J. et al (2005) FEBS J. 2005 Jan;272(2):524-37.

Crowe ML. et al (2000) J Recept Signal Transduct Res. 2000 Jan;20(1):61-73.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.5.08

Constructed by P.A. Briand

Date constructed

PLASMID NAME

pRGP-Gpa1/Gaq

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRGP-Golf

bacterial plasmid

pUC

other relevant source constructs

Inserts The five last amino acids of Gpa1 have been replaced by the five last amino acids of the mammalian Gaq protein

Reporter gene

Promoter,
splice,
PolyA GPA1 promoter and terminator

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

2156

Date entered

8.5.08

Constructed by

Pierre-André Briand

Date constructed

PLASMID NAME

pRGP-Gpa1/Gas

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRGP-Golf

bacterial plasmid

pUC

other relevant source constructs

Inserts

The five last amino acids of Gpa1 have been replaced by the five last amino acids of the mammalian Gas protein

Reporter gene

Promoter,
splice,
PolyA GPA1 promoter and terminator

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.5.08

Constructed by P.A. Briand

Date constructed

PLASMID NAME

pRGP-Gpa1/Gai3

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

pRGP-Golf

bacterial plasmid

pUC

other relevant source constructs

Inserts The five last amino acids of Gpa1 have been replaced by the five last amino acids of the mammalian Gai3 protein

Reporter gene

Promoter,
splice,
PolyA GPA1 promoter and terminator

Comments

Reference

Construct number 2158

Date entered 27.5.08

Constructed by RZPD

Date constructed

PLASMID NAME

pDNR-LIB_UGT2B7

alternative name

bacterial marker Chl

parent vector

pDNR-LIB

bacterial plasmid

pUC

other relevant source constructs

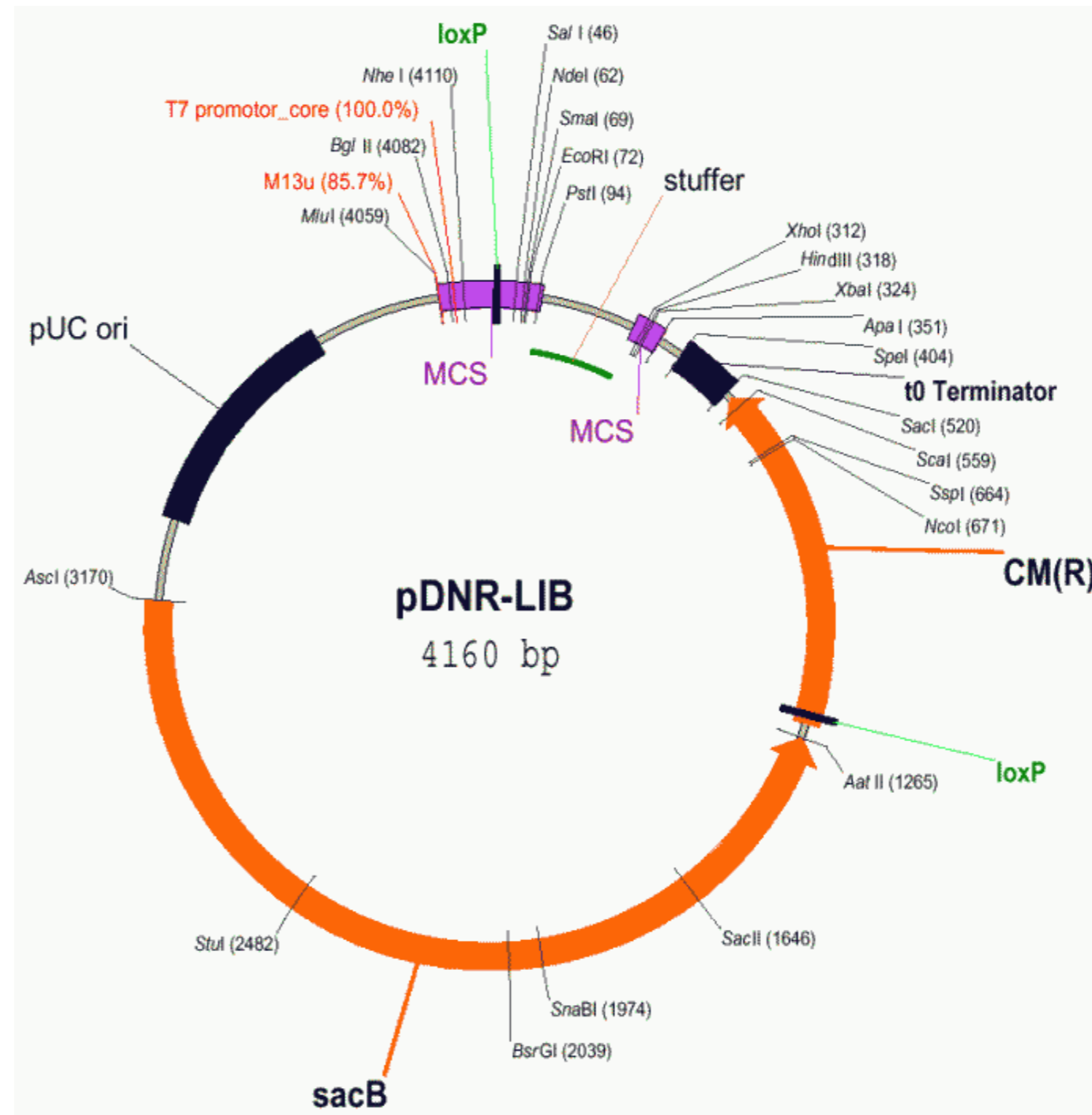
Inserts Full length cDNA clone (UGT2B7 gene), containing ORF.
Source: human kidney
Sequence type: complete_cds; AccNo. BC030974
Length: 1766 bp

Reporter gene

Promoter, splice, PolyA T7 promoter

Comments 5s:RZPD M13 forward (-21), 3s:RZPD M13 reverse
Restriction Enzymes 5s: Sfil, 3s: Sfil

Reference



Construct number

2159

Date entered

27.5.08

Constructed by

Open Biosystems

Date constructed

PLASMID NAME

pLKO.1_shHoxB13_1

alternative name

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pBS

other relevant source constructs

Inserts

shRNA construct with a hairpin 21 bp sense and antisense stem and a 6 bp loop specific for human HoxB13.

Sequence:

CCGGGCCTGGGTGGGAGGAGCGAAACTCGAGTTTCGCTCCTCCCAC
CCAGGCTTTTT

Reporter gene

Promoter,
splice,
PolyA

Human U6 Promoter: RNA generated with four uridine overhangs at each 3' end

PGK: phosphoglycerate kinase promoter

puroR: Puromycin mammalian selectable marker

SIN LTR: 3' Self inactivating long terminal repeat

f1 ori: f1 origin of replication

5'LTR: 5' long terminal repeat

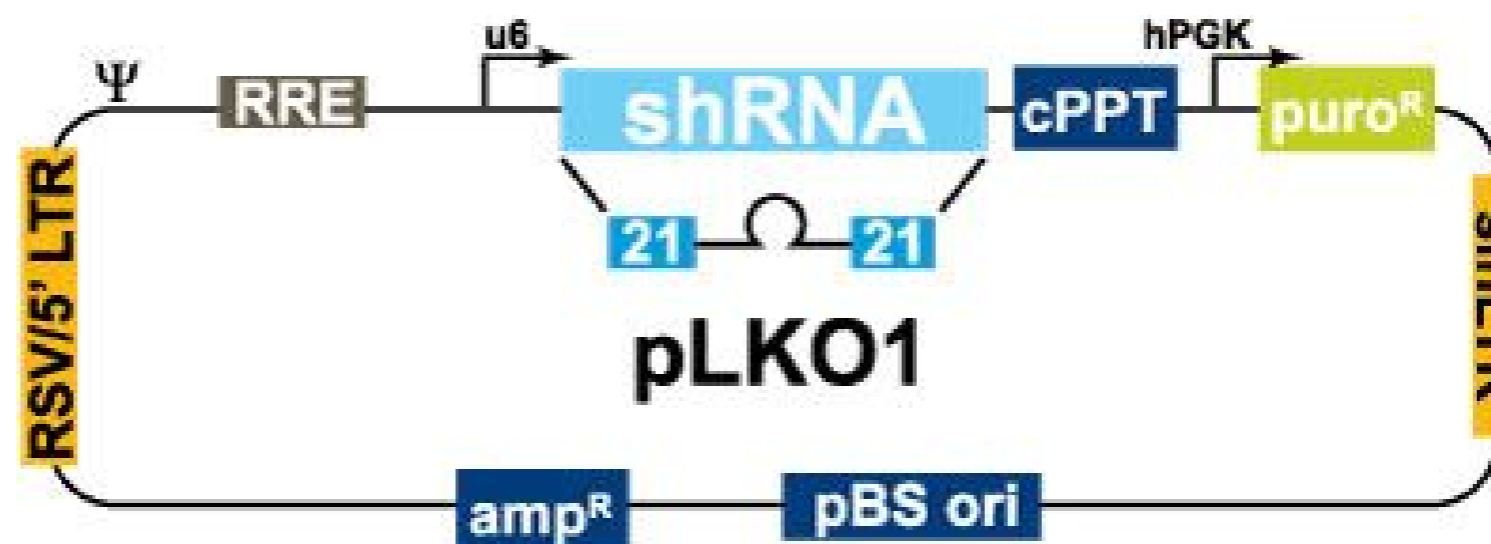
RRE: Rev response element

Comments

pLKO.1 HIV-based lentiviral vector

For the clone ID for the distributor look at the alternative name

Reference



Construct number

2160

Date entered

27.5.08

Constructed by

Donald McDonnell, Duke University

Date constructed

PLASMID NAME

pcDNA3.1/nV5-hoxb13

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA3

bacterial plasmid

pUC

other relevant source constructs

Inserts V5 tagged human HoxB13

Reporter gene

Promoter,
splice,
PolyA

- CMV promoter: bases 209-863
- T7 promoter/priming site: bases 863-882
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments

Reference

Construct number

2161

Date entered

27.5.08

Constructed by

Donald McDonnell, Duke University

Date constructed

PLASMID NAME

pSUPERhoxb13Si1

bacterial marker Amp

parent vector pSUPER

bacterial plasmid pUC

other relevant source constructs

Inserts shRNA construct for targeting human HoxB13

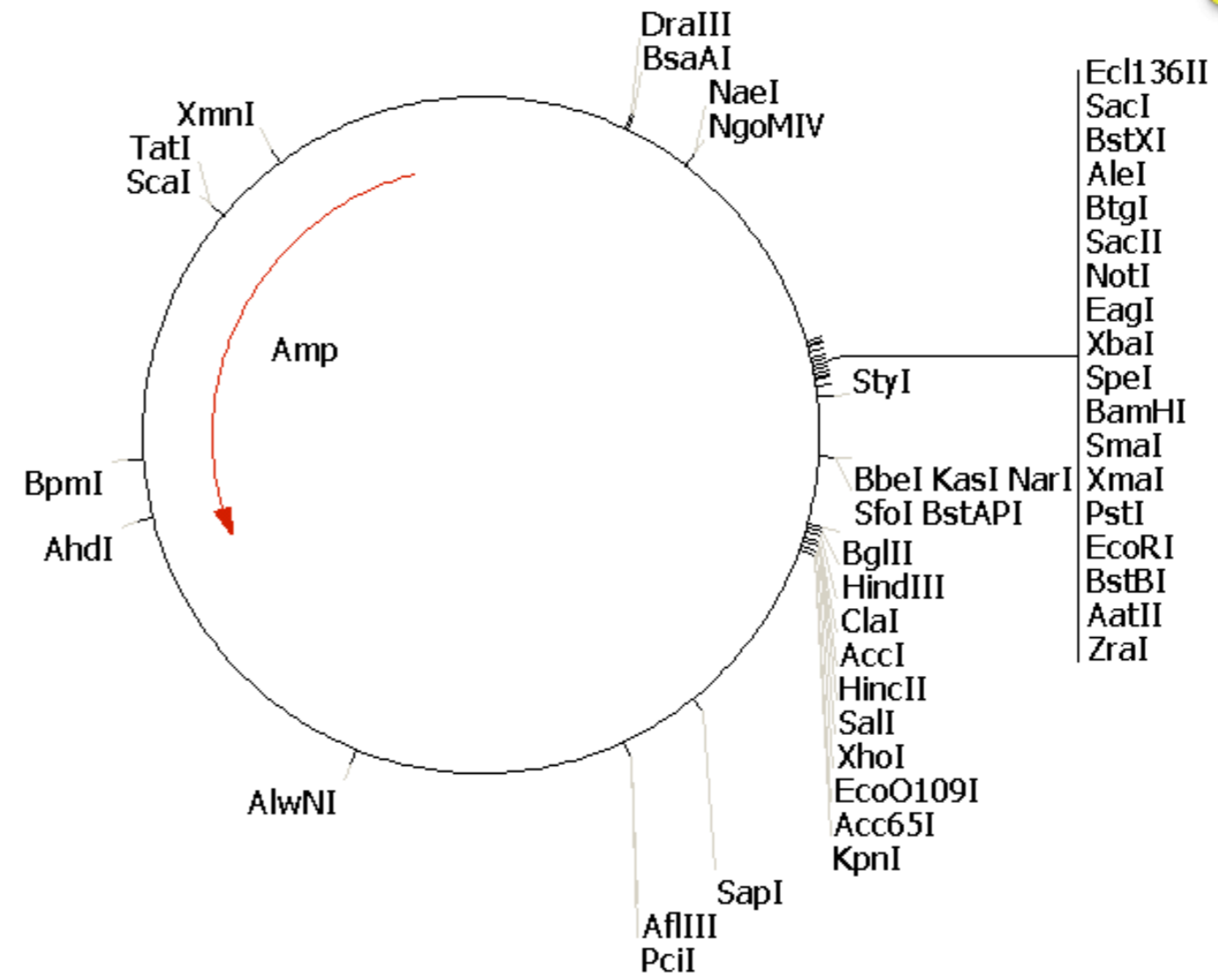
Reporter gene

Promoter,
splice,
PolyA

Key Sites
 BglII: 928
 HindIII: 934
 EcoRI: 707
 SalI: 949
 Vector Features
 f1(+) origin: 441-135
 H1 promoter: 708 - 934
 pUC origin: 1373-2040

Comments

Reference



Construct number

2162

Date entered

27.5.08

Constructed by

Donald McDonnell, Duke University

Date constructed

PLASMID NAME

pSUPERhoxb13Si2

bacterial marker Amp

parent vector

pSUPER

bacterial plasmid

pUC

other relevant source constructs

Inserts shRNA construct for targeting human HoxB13

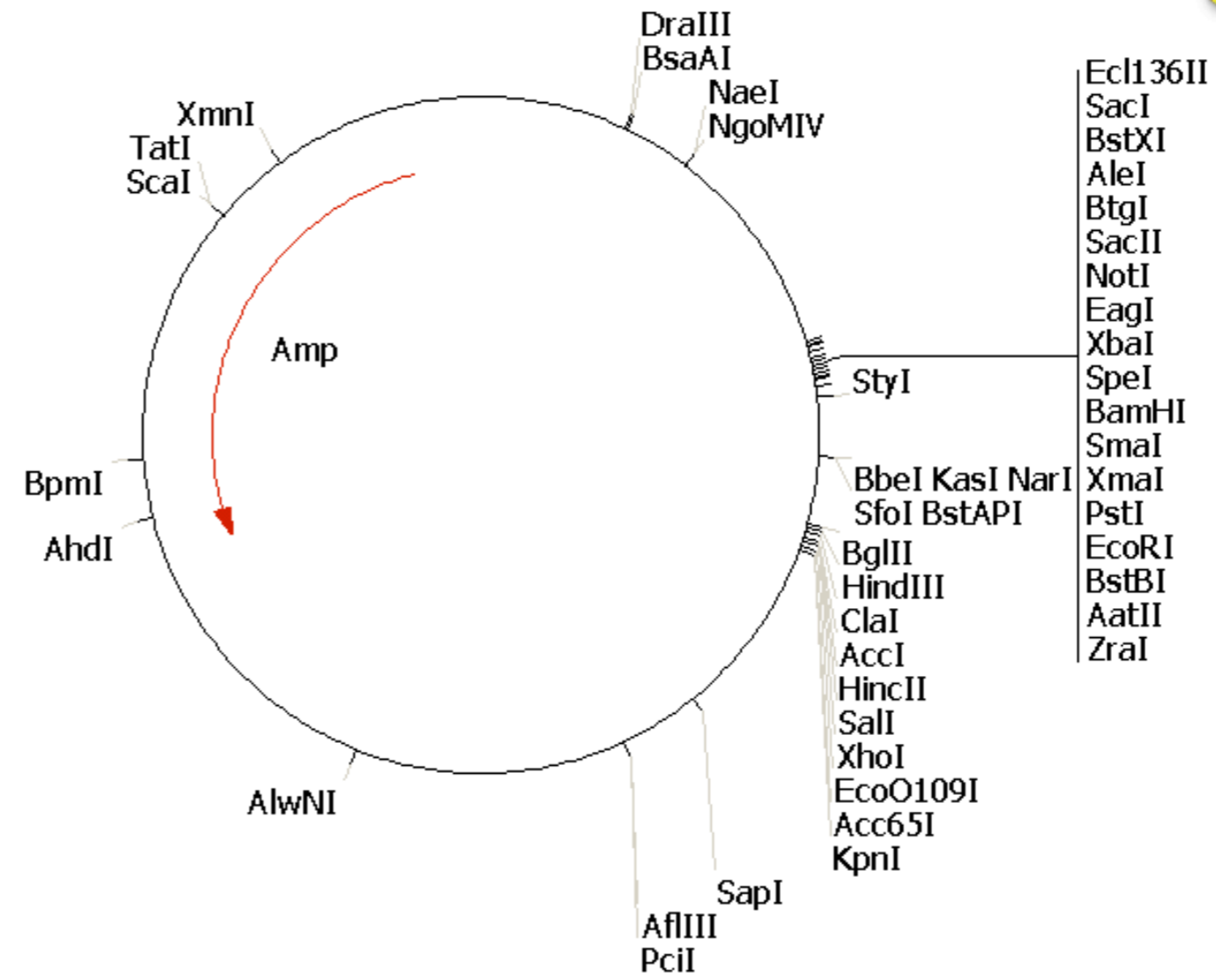
Reporter gene

Promoter,
splice,
PolyA

Key Sites
BglII: 928
HindIII: 934
EcoRI: 707
SalI: 949
Vector Features
f1(+) origin: 441-135
H1 promoter: 708 - 934
pUC origin: 1373-2040

Comments

Reference



Construct number

2163

Date entered

27.5.08

Constructed by

Donald McDonnell, Duke University

Date constructed

PLASMID NAME

pSUPERhoxb13Si3

bacterial marker Amp

parent vector

pSUPER

bacterial plasmid

pUC

other relevant source constructs

Inserts

shRNA construct for targeting human HoxB13

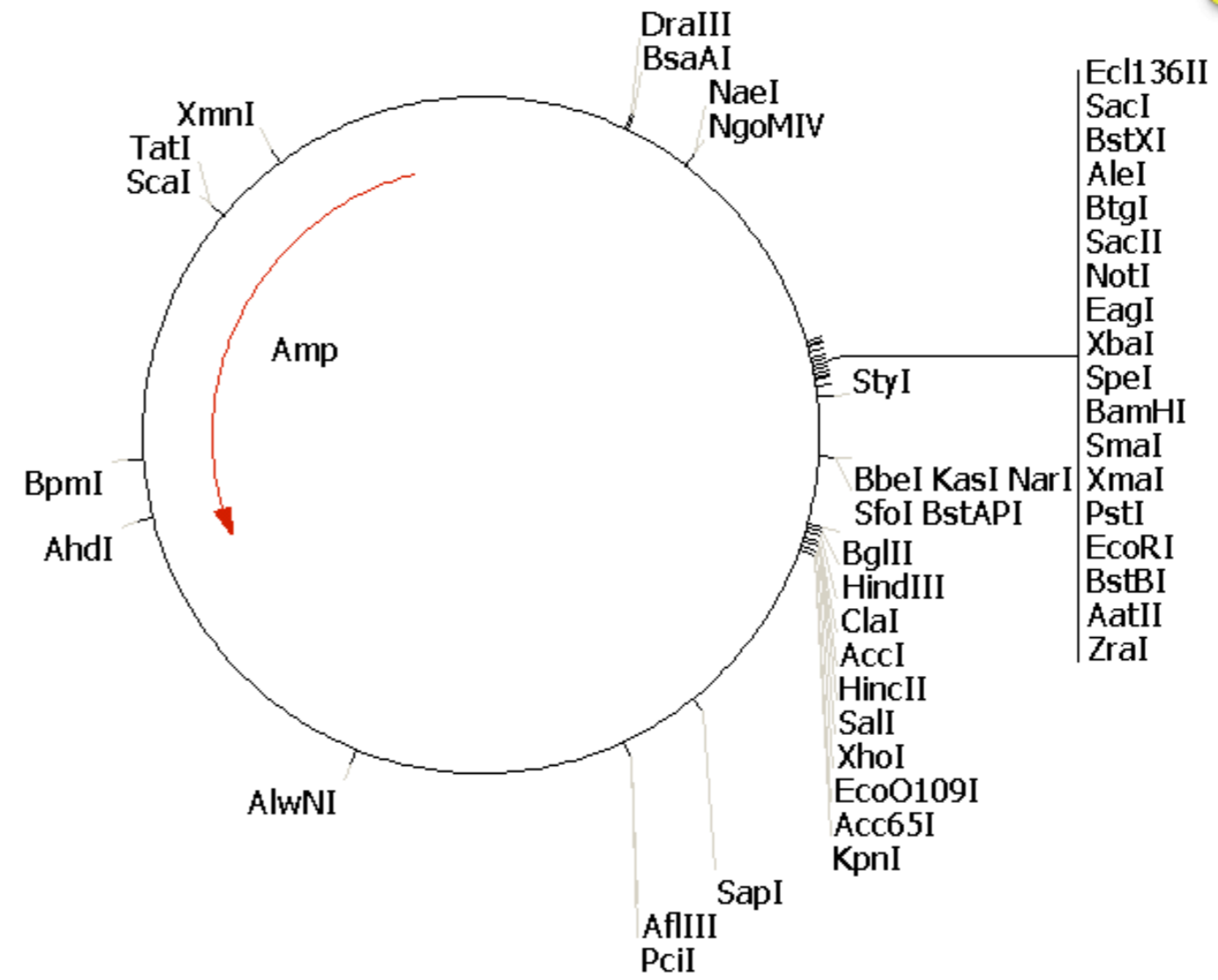
Reporter gene

Promoter,
splice,
PolyA

Key Sites
BglII: 928
HindIII: 934
EcoRI: 707
SalI: 949
Vector Features
f1(+) origin: 441-135
H1 promoter: 708 - 934
pUC origin: 1373-2040

Comments

Reference



Construct number 2164

Date entered 27.5.08

Constructed by Donald McDonnell, Duke University

Date constructed

PLASMID NAME

pSUPERhoxb13Si4

bacterial marker Amp

parent vector pSUPER

bacterial plasmid pUC

other relevant source constructs

Inserts shRNA construct for targeting human HoxB13

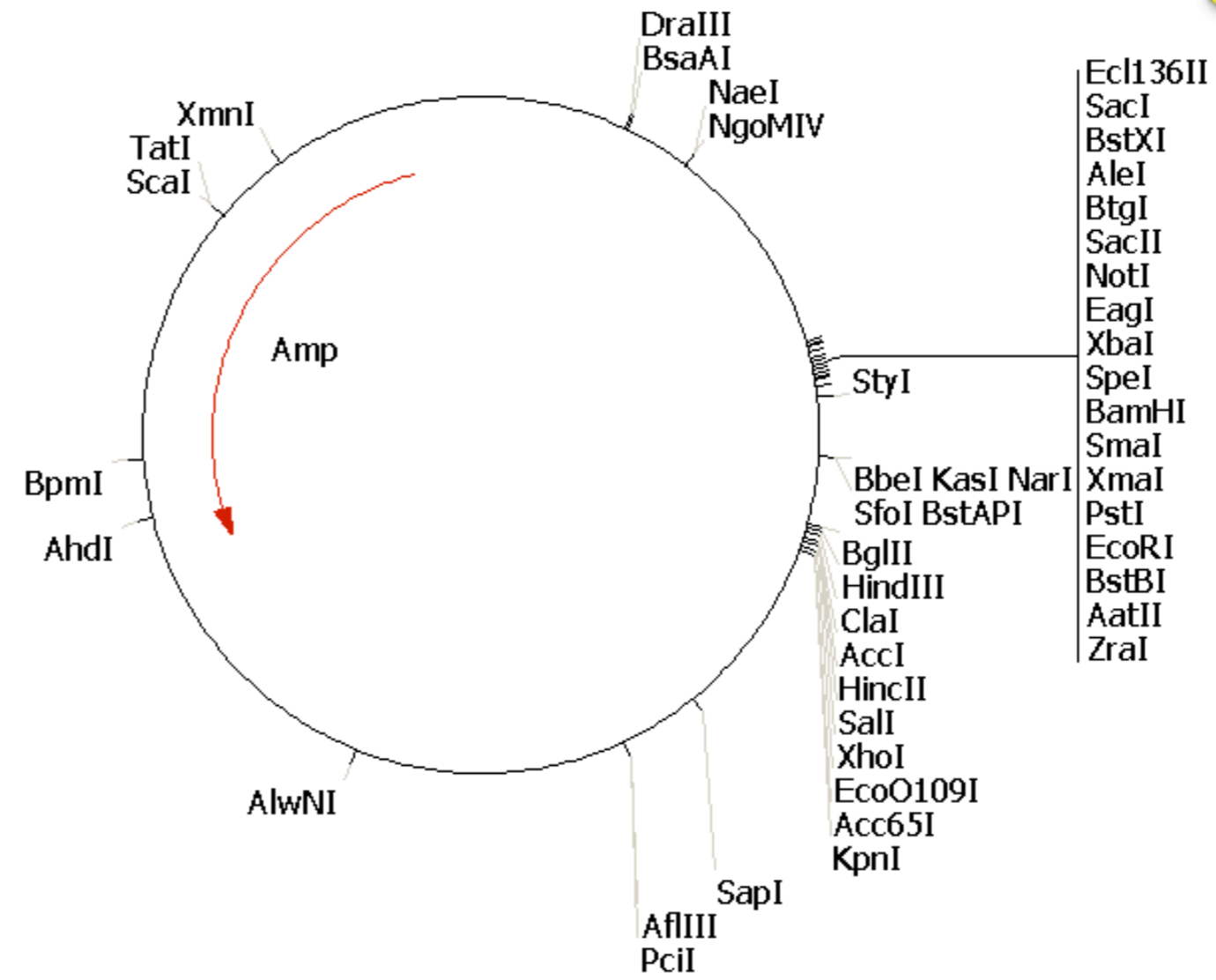
Reporter gene

Promoter,
splice,
PolyA

Key Sites
 BglII: 928
 HindIII: 934
 EcoRI: 707
 SalI: 949
 Vector Features
 f1(+) origin: 441-135
 H1 promoter: 708 - 934
 pUC origin: 1373-2040

Comments

Reference



Construct number

2165

Date entered

27.5.08

Constructed by

Donald McDonnell, Duke University

Date constructed

PLASMID NAME

pSUPERneoGFPhoxb13Si1

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector pSUPER

bacterial plasmid

other relevant source constructs

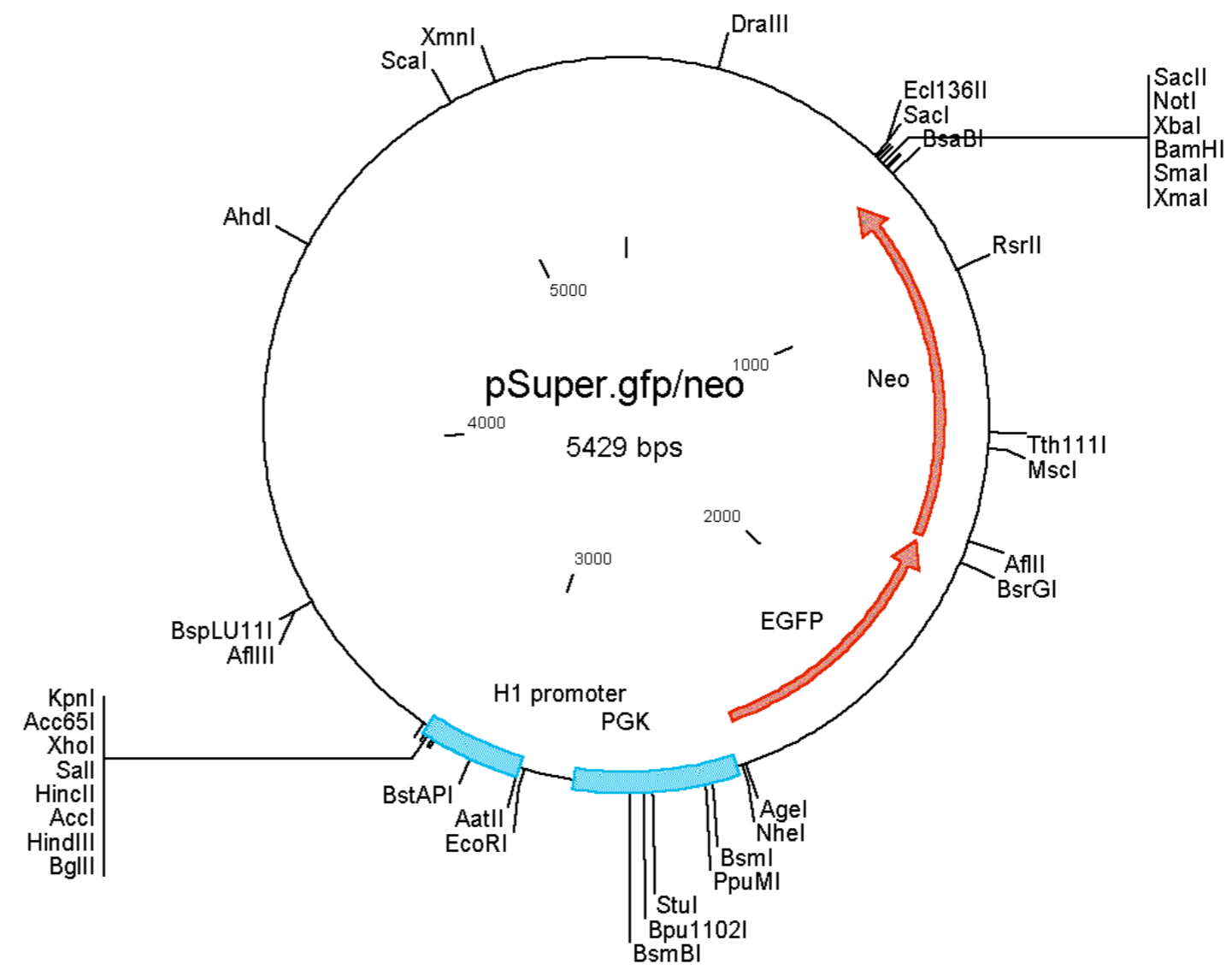
Inserts shRNA construct for targeting human HoxB13

Reporter gene GFP

Promoter, splice, PolyA
Key Sites
BglII: 3181
HindIII: 3187
EcoRI: 2960
Sall: 3202
XhoI: 3208
Vector Features
f1(+) origin: 135-441
PGK promoter: 2840-2442
Neo ORF: 1684-715
EGFP ORF: 2424-1691
H1 promoter: 2965-3213

Comments

Reference



Construct number

2166

Date entered

27.5.08

Constructed by

Donald McDonnell, Duke University

Date constructed

PLASMID NAME

pSUPERneoGFP_{hoxb13}Si2

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector pSUPER

bacterial plasmid

other relevant source constructs

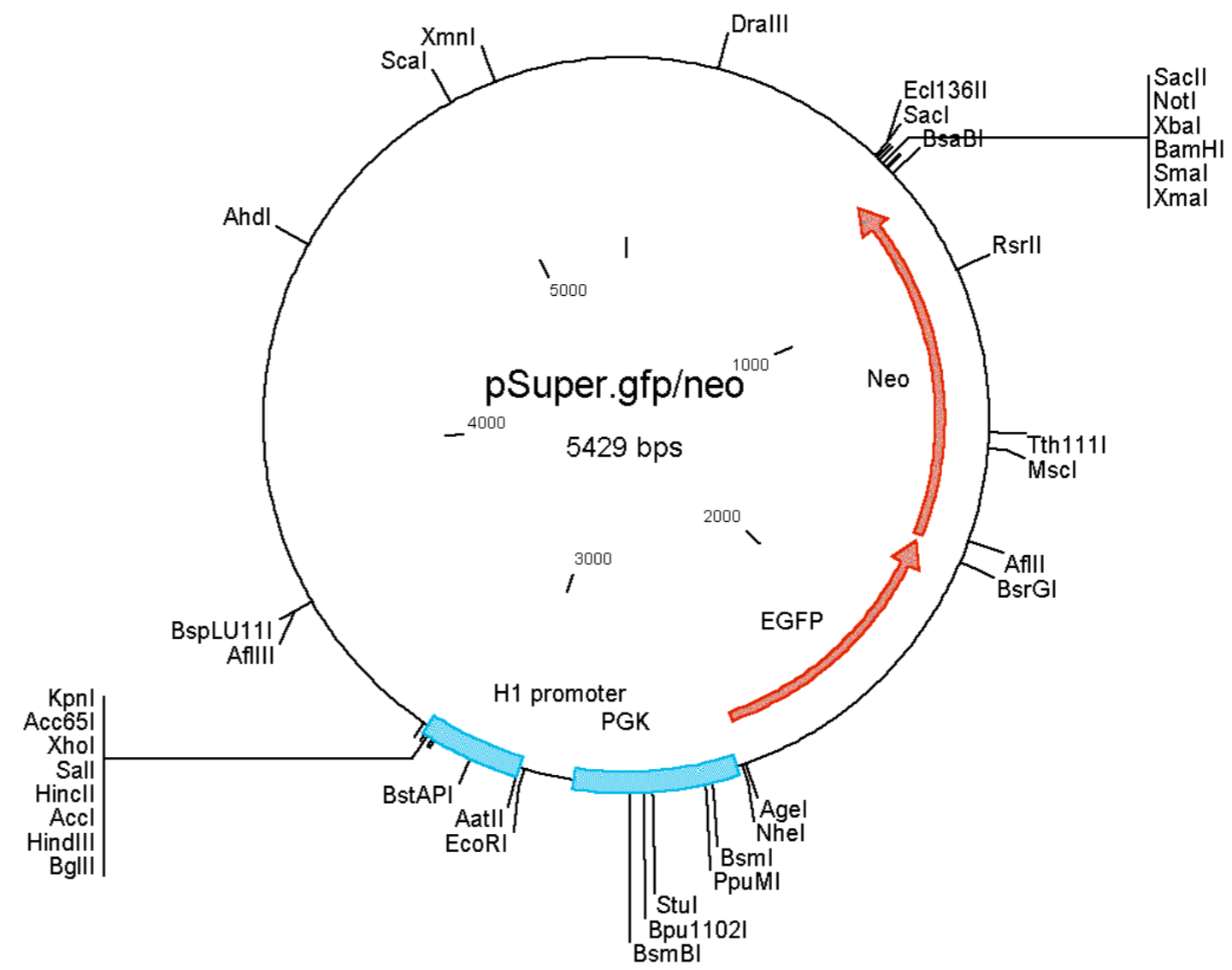
Inserts shRNA construct for targeting human HoxB13

Reporter gene GFP

Promoter, splice, PolyA
Key Sites
BglII: 3181
HindIII: 3187
EcoRI: 2960
Sall: 3202
XhoI: 3208
Vector Features
f1(+) origin: 135-441
PGK promoter: 2840-2442
Neo ORF: 1684-715
EGFP ORF: 2424-1691
H1 promoter: 2965-3213

Comments

Reference



Construct number

2167

Date entered

27.5.08

Constructed by

Donald McDonnell, Duke University

Date constructed

PLASMID NAME

pSUPERneoGFPhoxb13Si3

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector pSUPER

bacterial plasmid

other relevant source constructs

Inserts shRNA construct for targeting human HoxB13

Reporter gene GFP

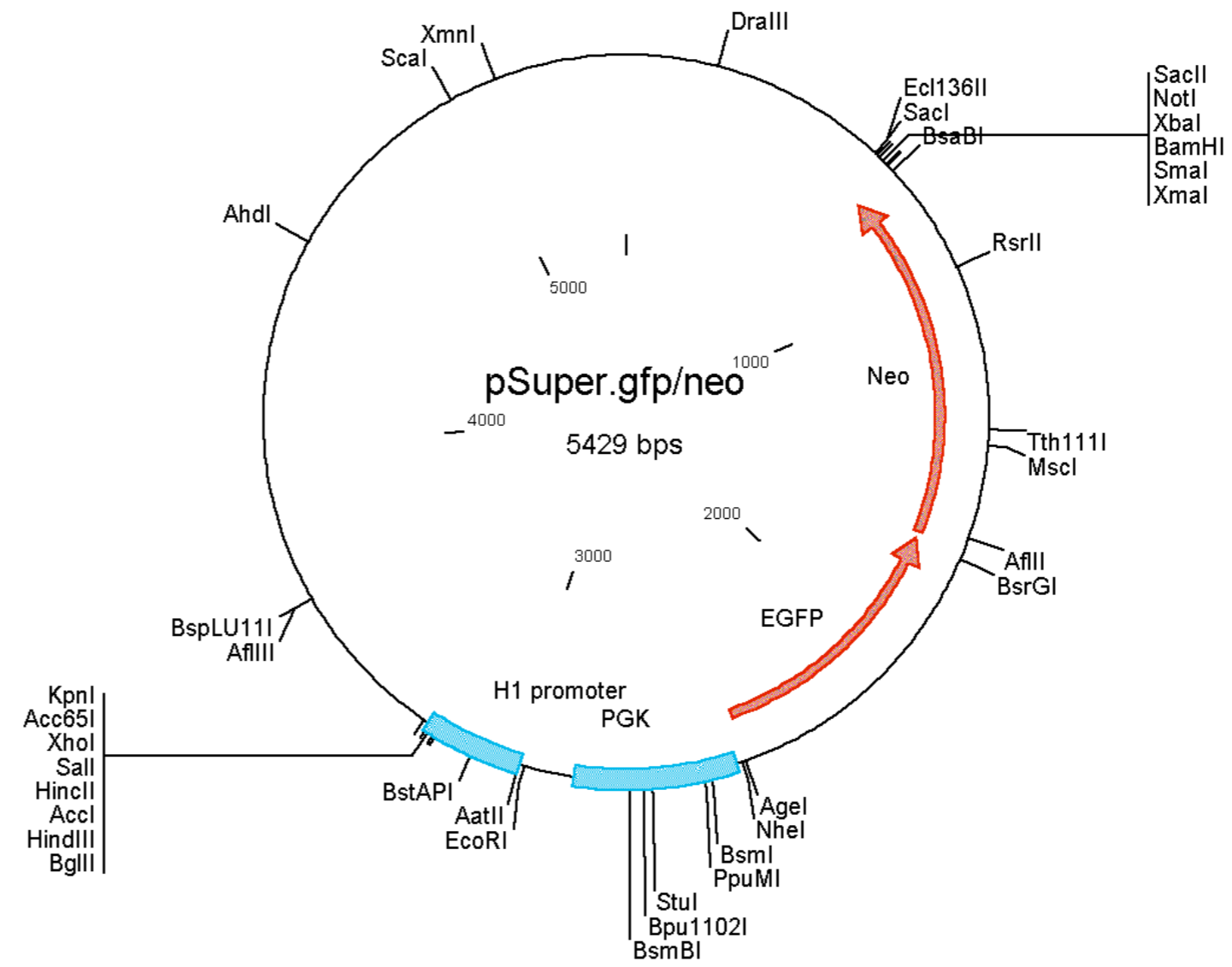
Promoter, splice, PolyA

Key Sites
 BglII: 3181
 HindIII: 3187
 EcoRI: 2960
 Sall: 3202
 XhoI: 3208

Vector Features
 f1(+) origin: 135-441
 PGK promoter: 2840-2442
 Neo ORF: 1684-715
 EGFP ORF: 2424-1691
 H1 promoter: 2965-3213

Comments

Reference



Construct number

2168

Date entered

27.5.08

Constructed by

Donald McDonnell, Duke University

Date constructed

PLASMID NAME

pSUPERneoGFP_{hoxb13}Si4

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector pSUPER

bacterial plasmid

other relevant source constructs

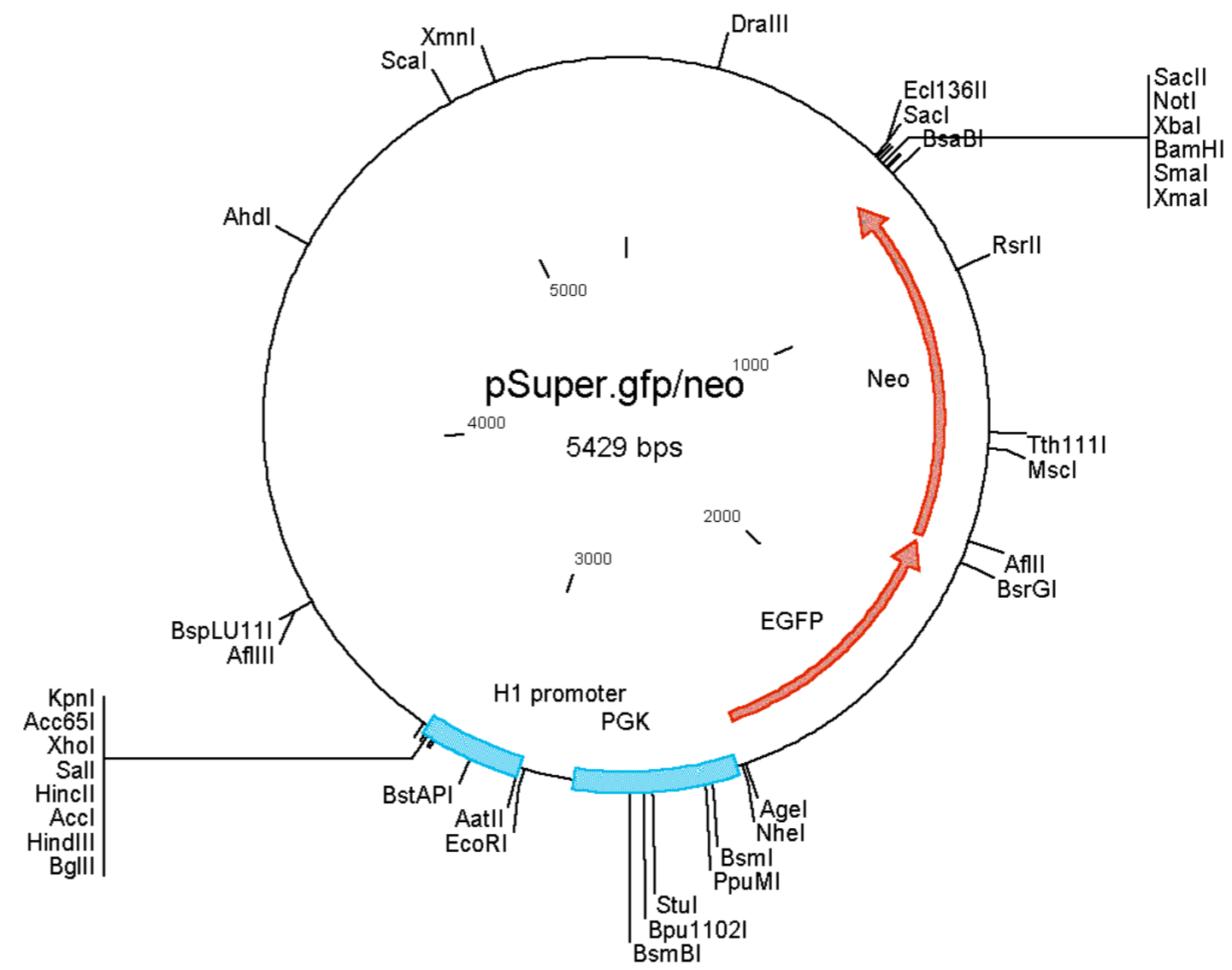
Inserts shRNA construct for targeting human HoxB13

Reporter gene GFP

Promoter, splice, PolyA
Key Sites
BglII: 3181
HindIII: 3187
EcoRI: 2960
Sall: 3202
XhoI: 3208
Vector Features
f1(+) origin: 135-441
PGK promoter: 2840-2442
Neo ORF: 1684-715
EGFP ORF: 2424-1691
H1 promoter: 2965-3213

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.6.08

Constructed by Deo Prakash Pandey

Date constructed Aug 2006

PLASMID NAME

pGL3.UTR2-mut22

bacterial marker Amp	parent vector
	bacterial plasmid
	other relevant source constructs pGL3-CMV.luc, pGH.ER3'UTR, pGL3.3'UTR, pGL3.UTR2n

Inserts Second subfragment of 3'UTR of hER-alpha was amplified from pGH.3'UTR with *speI* at both ends, sub-cloned into BS(+) and then, the fragment was re-cloned into pGL3-CMV.luc at the *XbaI* site.

Insert contains: 1501-2800 bp. Reference: Last exon ESR1

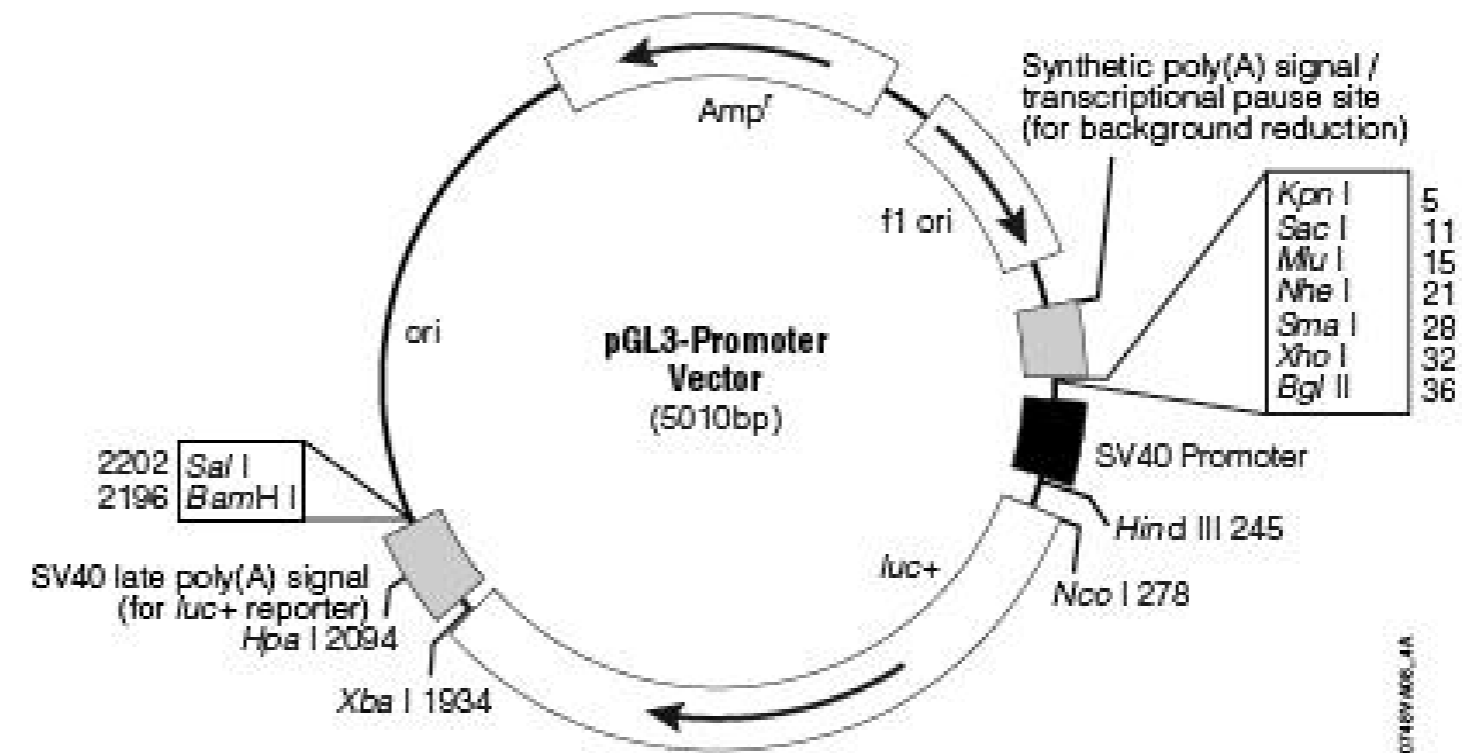
Target site of miR-22 in UTR2 is mutated. Look at the sequence for the primers.

Reporter gene

Promoter, splice, PolyA CMV

Comments Please note that *XbaI* site is destroyed.
Sequence as well as primers are available.

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



07485406_01A

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.6.08

Constructed by Deo Prakash Pandey

Date constructed 31.5.06

PLASMID NAME

pGL3.3'UTR-mut22

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

pGL3-CMV.luc, pFGH.ER3'UTR, pBS.3'UTR

Inserts 3'UTR of hER-alpha was cut from pBS.3'UTR using *speI* and ligated into pGL3-CMV.luc at the *XbaI* site.

Insert contains: 484-4487 bp. Reference: Last exon ESR1

Target site of miR-22 is mutated in UTR2.

Primers for the point mutations are in the sequence section.

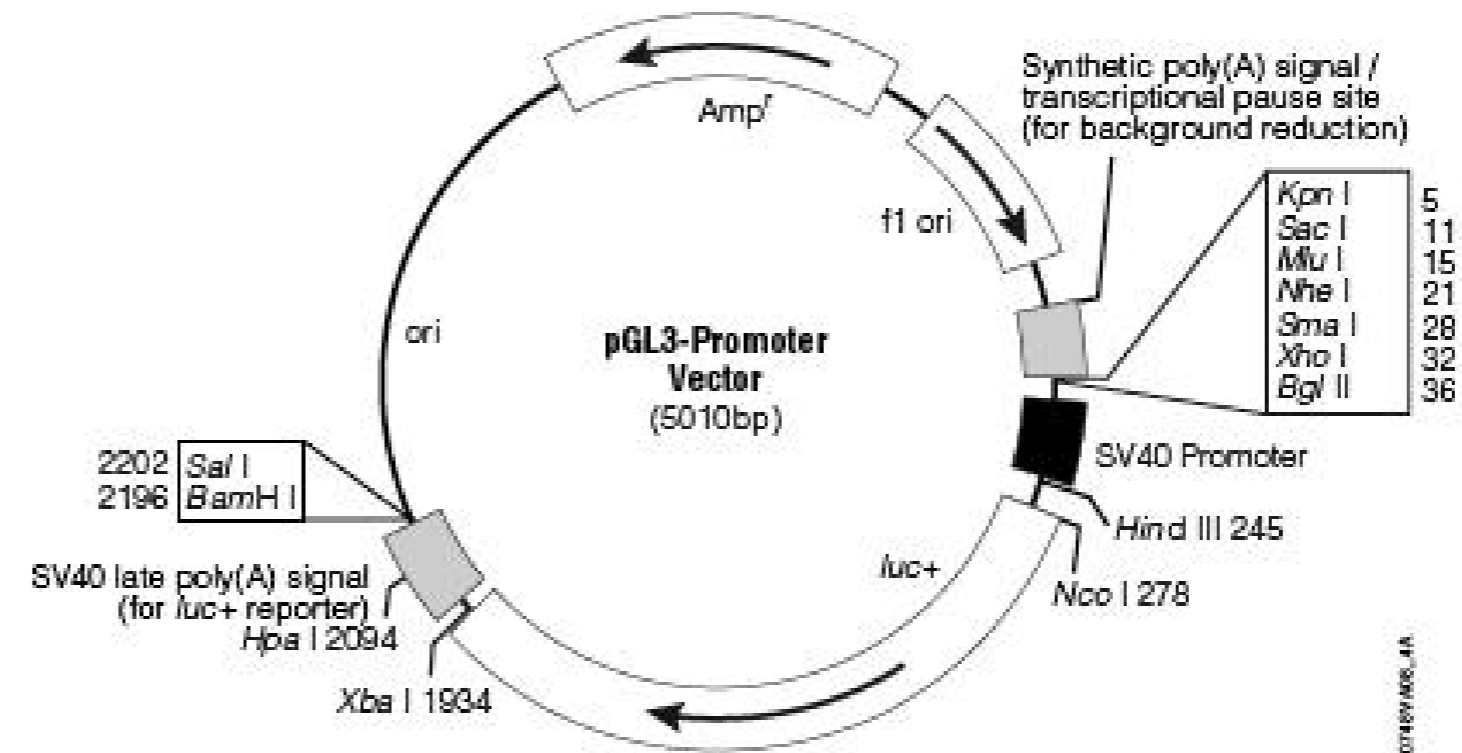
Reporter gene

Promoter, splice, PolyA CMV

Comments Please note that *XbaI* site is destroyed.

Sequence as well as primers are available.

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number

2171

Date entered

4.6.08

Constructed by

Deo Prakash Pandey

Date constructed

31.5.06

PLASMID NAME

pGL3.3'UTR-mut19

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

pGL3-CMV.luc, pFGH.ER3'UTR, pBS.3'UTR

Inserts

3'UTR of hER-alpha was cut from pBS.3'UTR using *speI* and ligated into pGL3-CMV.luc at the *XbaI* site.

Insert contains: 484-4487 bp. Reference: Last exon ESR1

Both target sites of miR-19 is mutated in UTR.

Primers for the point mutations are in the sequence section.

Reporter gene

luciferase

Promoter,
splice,
PolyA

CMV

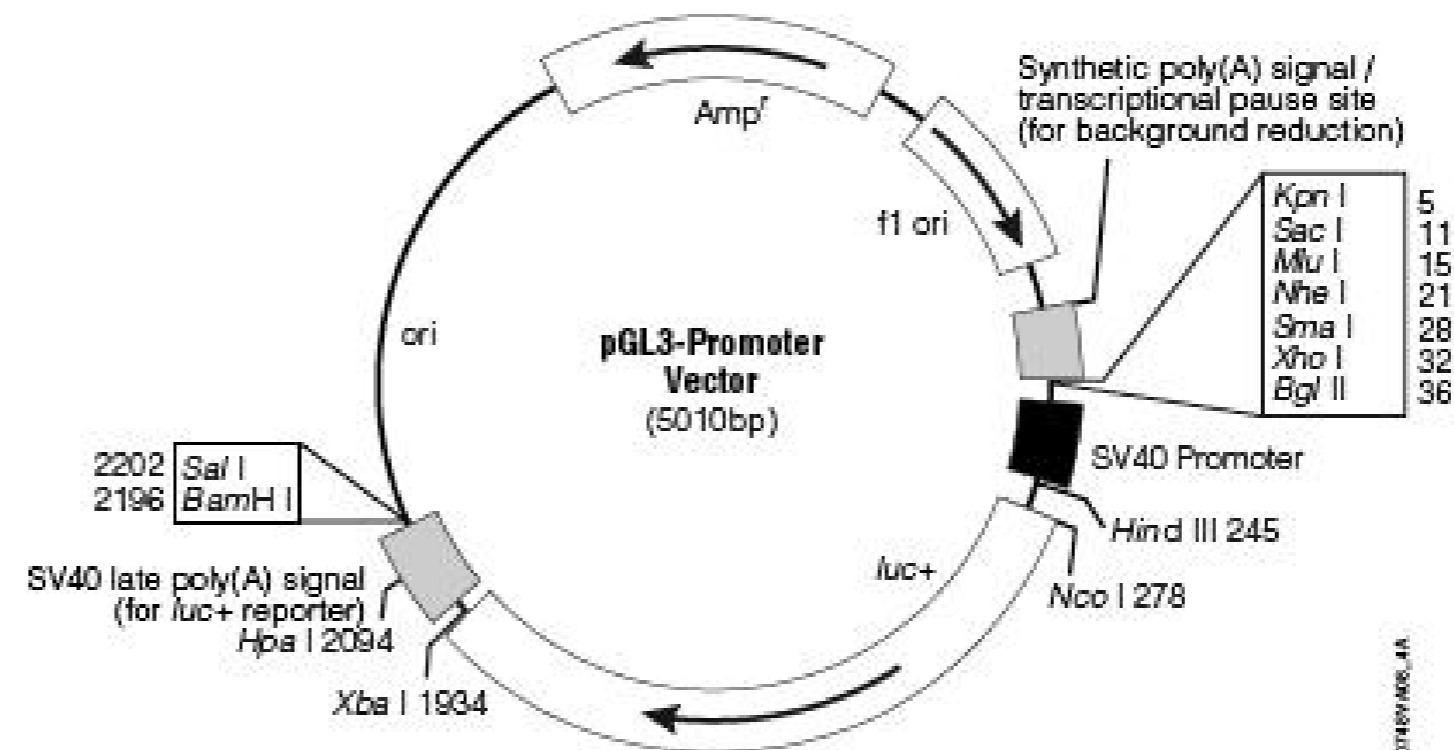
Comments

Please note that *XbaI* site is destroyed.

Sequence as well as primers are available.

Reference

Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number

2172

Date entered

4.6.08

Constructed by

Deo Prakash Pandey

Date constructed

Aug 2006

PLASMID NAME

pGL3.UTR3n

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

pGL3-CMV.luc, pfGH.ER3'UTR, pGL3.3'UTR

Inserts

Third subfragment of 3'UTR of hER-alpha was amplified from pfGH.3'UTR with spel at both ends, sub-cloned into BS(+) and then, the fragment was recloned into pGL3-CMV.luc at the XbaI site.

Insert contains: 2419-3327 bp. Reference: Last exon ESR1

Contain only target site 3 for miR-22.

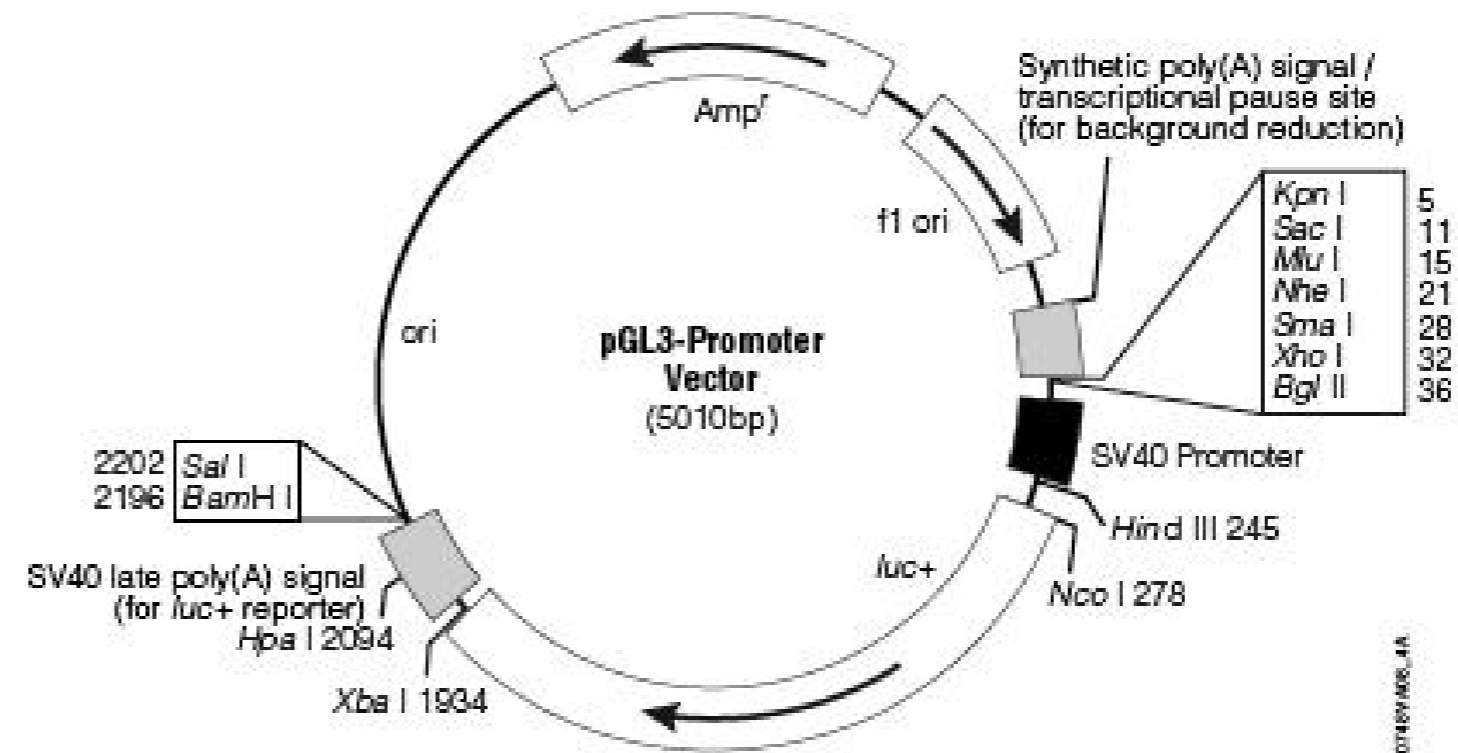
Reporter gene luciferase

Promoter, splice, PolyA CMV

Comments Please note that XbaI site is destroyed.

Sequence as well as primers are available.

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



07485406_01

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.6.08

Constructed by Deo Prakash Pandey

Date constructed Aug 2006

PLASMID NAME

pGL3.UTR1+2n

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

pGL3-CMV.luc, pFGH.ER3'UTR, pGL3.3'UTR

Inserts

Second subfragment of 3'UTR of hER-alpha was amplified from pFGH.3'UTR with *speI* at both ends, sub-cloned into BS(+) and then, the fragment was re-cloned into pGL3-CMV.luc at the *XbaI* site.

Insert contains: 584-2800 bp. Reference: Last exon ESR1

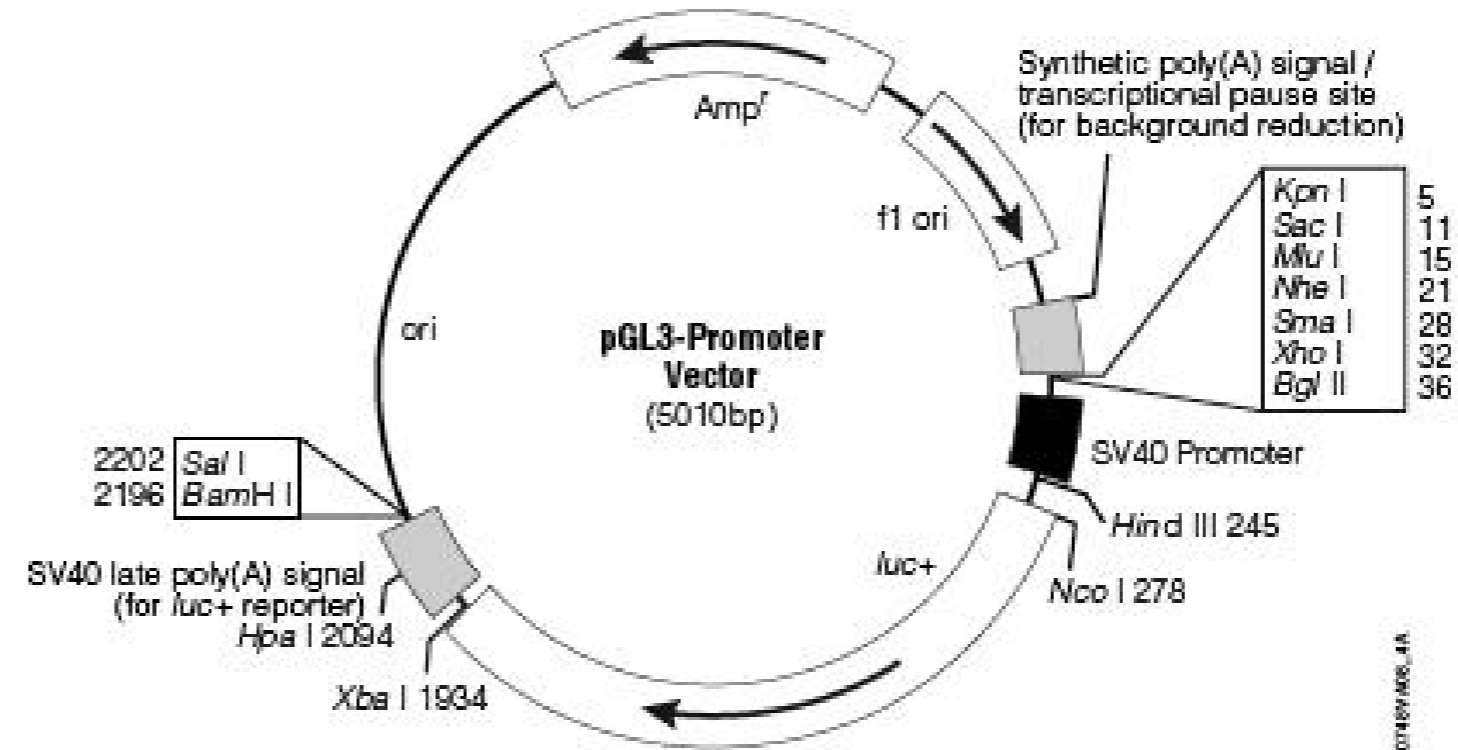
Reporter gene

Promoter, splice, PolyA CMV

Comments Please note that *XbaI* site is destroyed.

Sequence as well as primers are available.

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.6.08

Constructed by Deo Prakash Pandey

Date constructed Aug 2006

PLASMID NAME

pGL3.UTR1+2+3

bacterial marker Amp	parent vector
	bacterial plasmid
	other relevant source constructs pGL3-CMV.luc, pfGH.ER3'UTR, pGL3.3'UTR

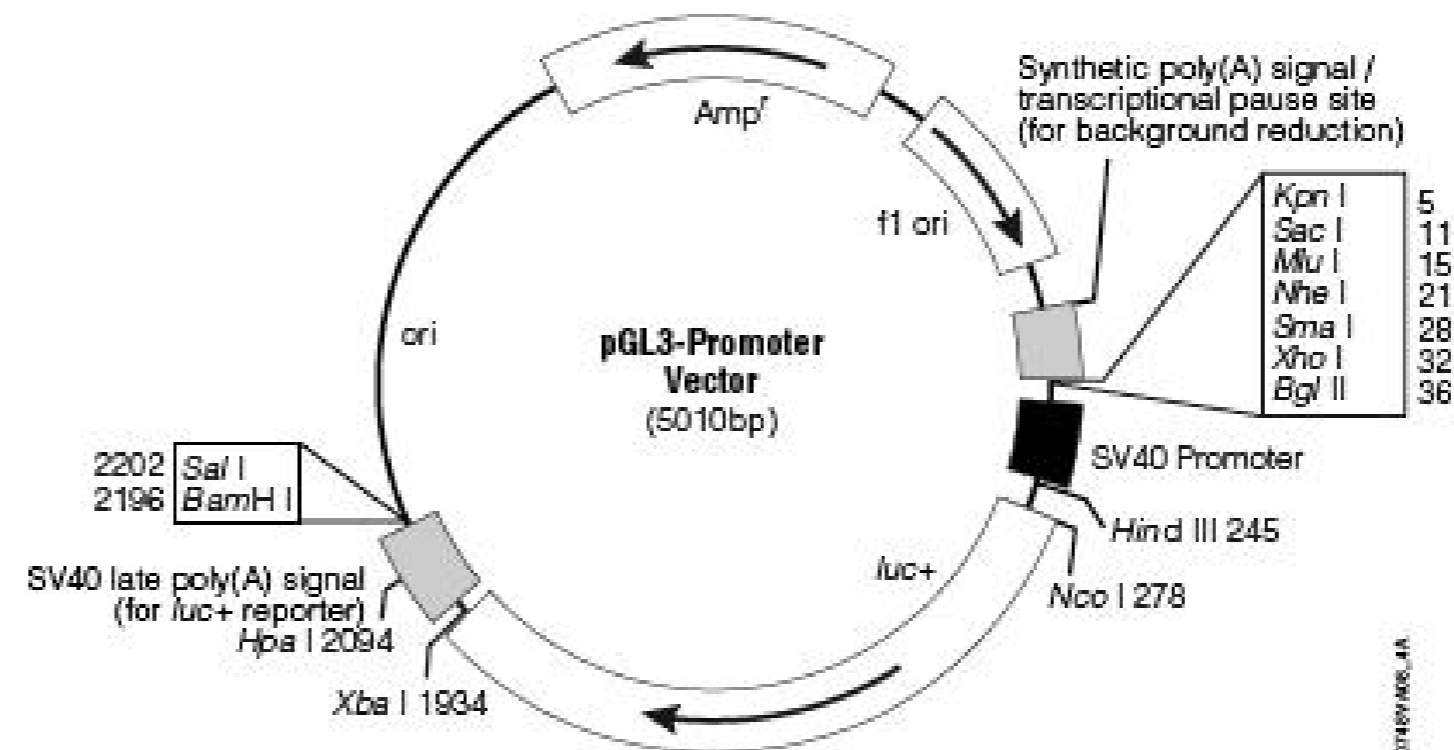
Inserts Subfragment of 3'UTR of hER-alpha was amplified from pfGH.3'UTR with *speI* at both ends, sub-cloned into BS(+) and then, the fragment was re-cloned into pGL3-CMV.luc at the *XbaI* site.
Insert contains: 584-3327 bp. Reference: Last exon ESR1

Reporter gene

Promoter, splice, PolyA CMV

Comments Please note that *XbaI* site is destroyed.
Sequence as well as primers are available.

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.6.08

Constructed by Deo Prakash Pandey

Date constructed Aug 2006

PLASMID NAME

pGL3.UTR2+3

bacterial marker Amp	parent vector
	bacterial plasmid
	other relevant source constructs pGL3-CMV.luc, pfGH.ER3'UTR, pGL3.3'UTR

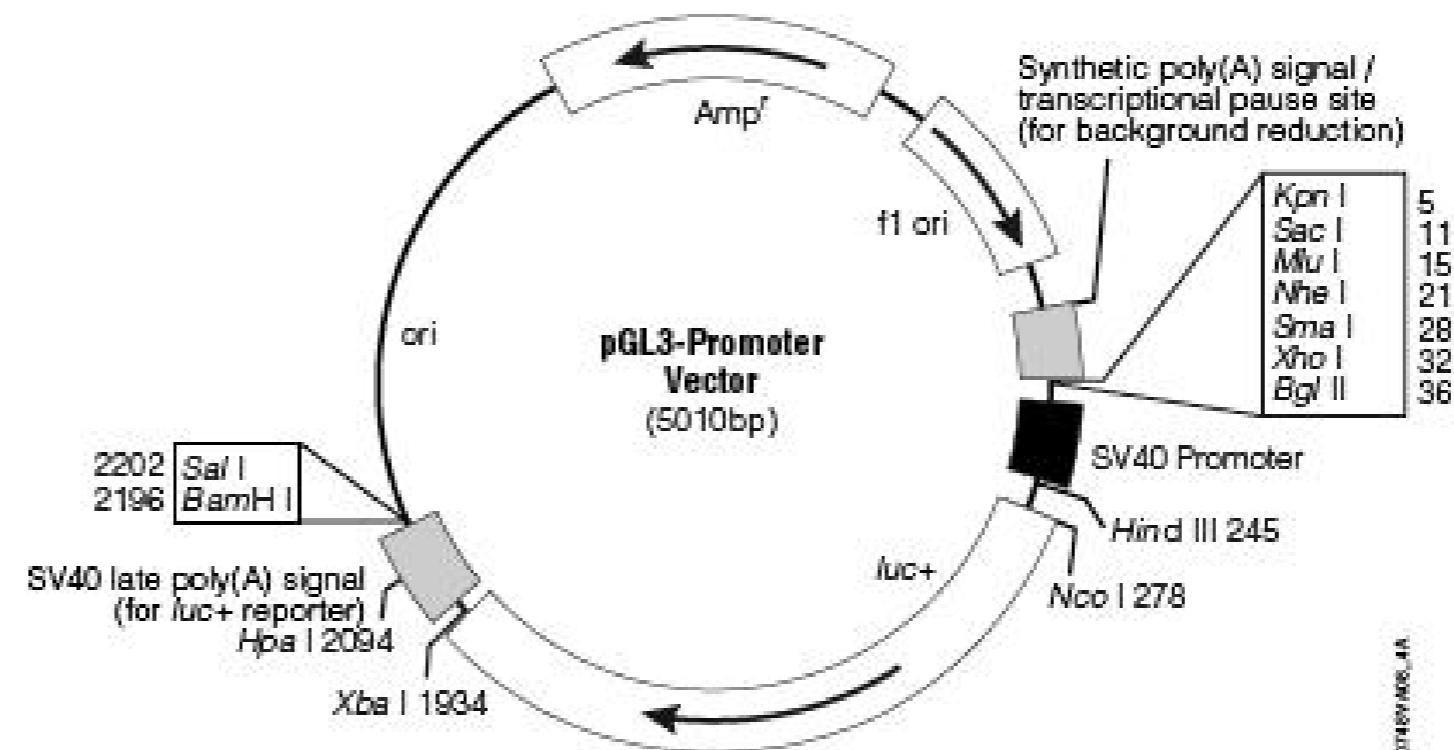
Inserts Subfragment of 3'UTR of hER-alpha was amplified from pfGH.3'UTR with *speI* at both ends, sub-cloned into BS(+) and then, the fragment was recloned into pGL3-CMV.luc at the *XbaI* site.
Insert contains: 1255-3327 bp. Reference: Last exon ESR1

Reporter gene

Promoter, splice, PolyA CMV

Comments Please note that *XbaI* site is destroyed.
Sequence as well as primers are available.

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.6.08

Constructed by Deo Prakash Pandey

Date constructed Aug 2006

PLASMID NAME

pGL3.UTR2+3-mut22

bacterial marker Amp	parent vector
	bacterial plasmid
	other relevant source constructs pGL3-CMV.luc, pfGH.ER3'UTR, pGL3.3'UTR

Inserts Subfragment of 3'UTR of hER-alpha was amplified from pfGH.3'UTR with *speI* at both ends, sub-cloned into BS(+) and then, the fragment was recloned into pGL3-CMV.luc at the *XbaI* site.

Insert contains: 1255-3327 bp. Reference: Last exon ESR1

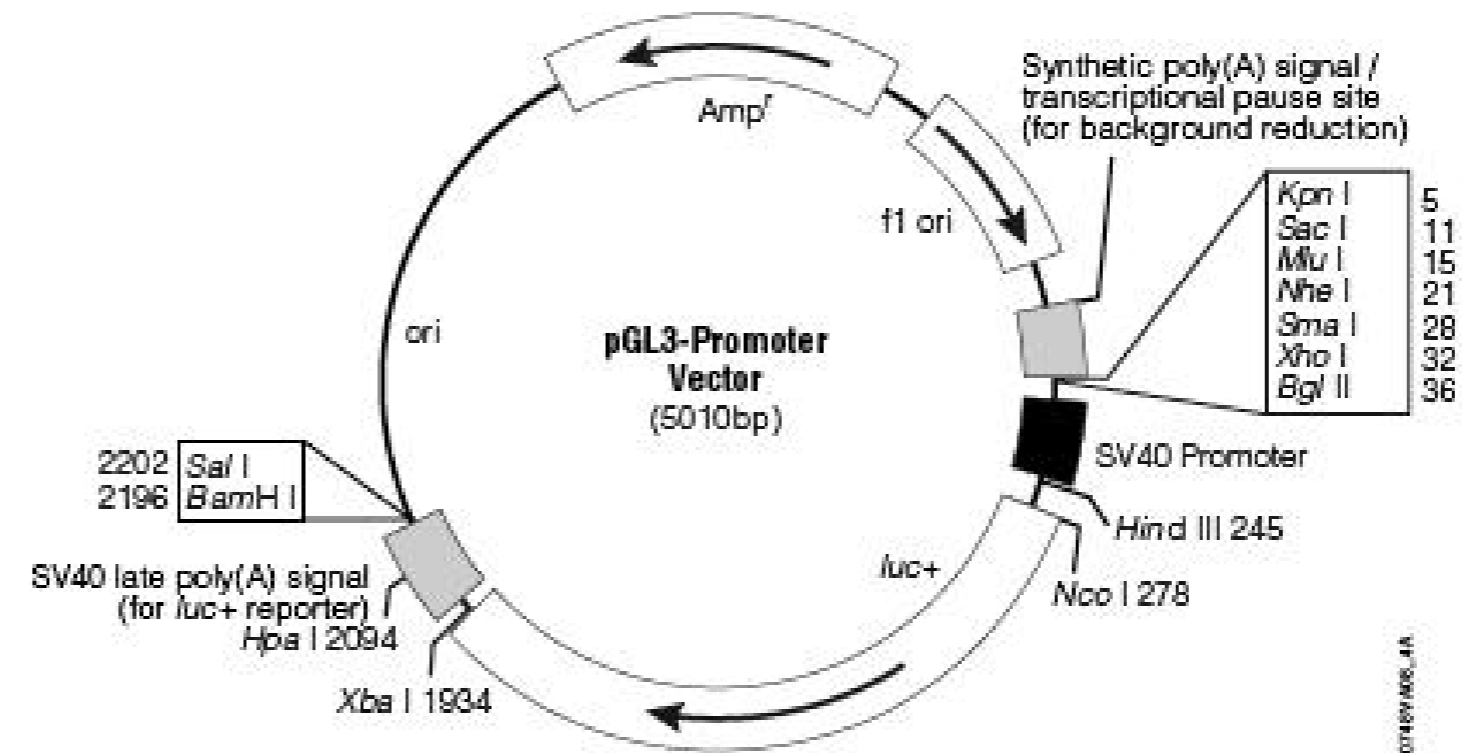
Target-2 of miR-22 is mutated.

Reporter gene

Promoter, splice, PolyA CMV

Comments Please note that *XbaI* site is destroyed.
Sequence as well as primers are available.

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.6.08

Constructed by Deo Prakash Pandey

Date constructed Aug 2006

PLASMID NAME

pGL3.UTR1+2+3-mut22

bacterial marker Amp	parent vector
	bacterial plasmid
	other relevant source constructs pGL3-CMV.luc, pfGH.ER3'UTR, pGL3.3'UTR

Inserts Subfragment of 3'UTR of hER-alpha was amplified from pfGH.3'UTR with *speI* at both ends, sub-cloned into BS(+) and then, the fragment was recloned into pGL3-CMV.luc at the *XbaI* site.

Insert contains: 584-3327 bp. Reference: Last exon ESR1

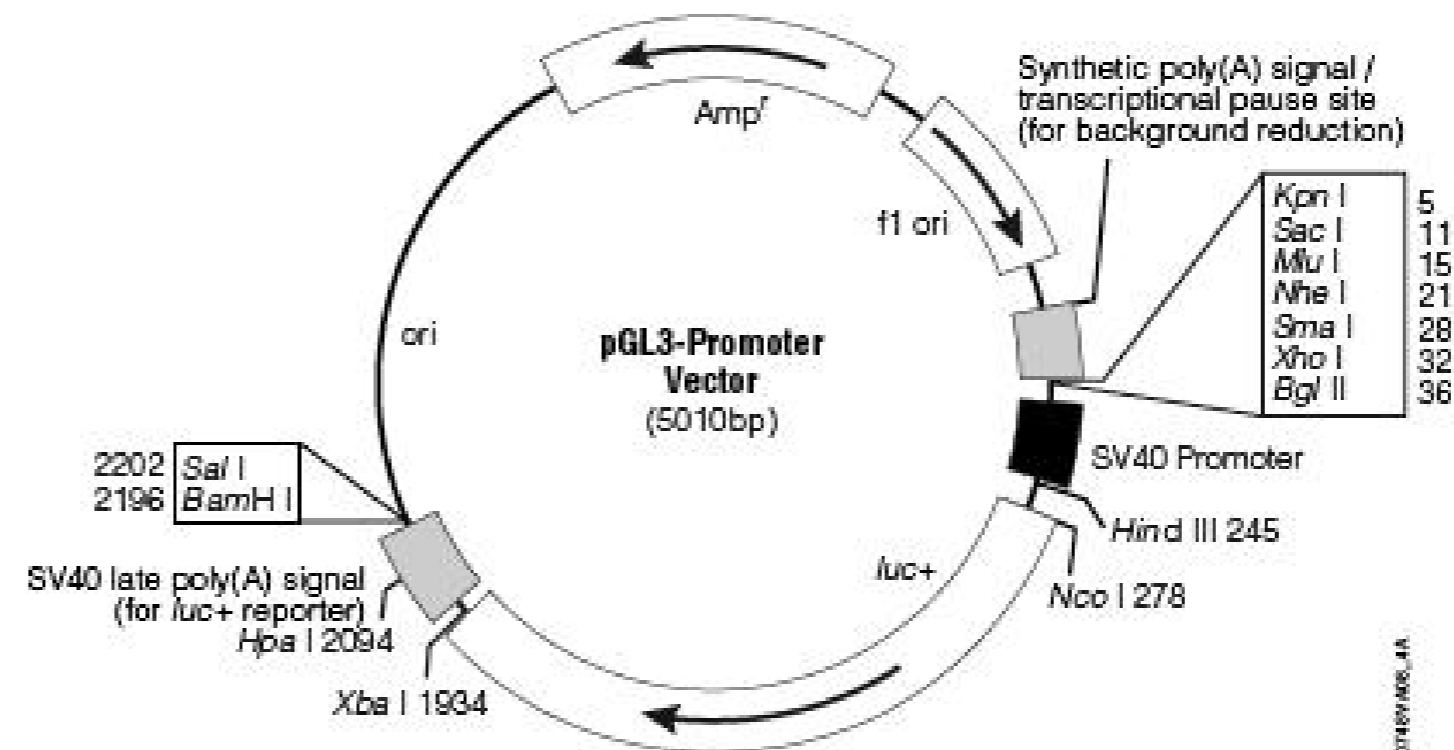
Target-2 of miR-22 is mutated

Reporter gene

Promoter, splice, PolyA CMV

Comments Please note that *XbaI* site is destroyed.
Sequence as well as primers are available.

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.6.08

Constructed by Deo Prakash Pandey

Date constructed Aug 2006

PLASMID NAME

pGL3.UTR1+2n-mut22

bacterial marker Amp	parent vector
	bacterial plasmid
	other relevant source constructs pGL3-CMV.luc, pfGH.ER3'UTR, pGL3.3'UTR

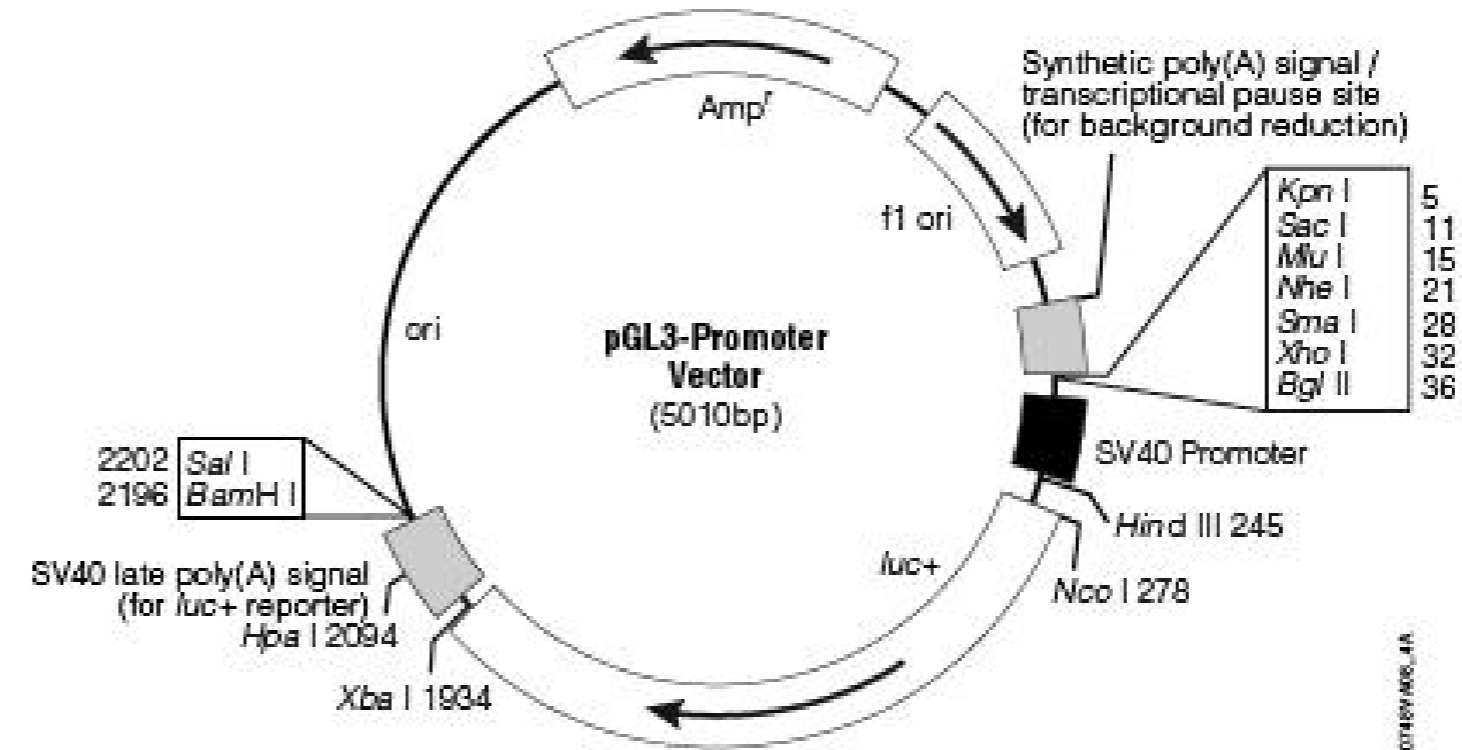
Inserts Second subfragment of 3'UTR of hER-alpha was amplified from pfGH.3'UTR with *speI* at both ends, sub-cloned into BS(+) and then, the fragment was re-cloned into pGL3-CMV.luc at the *XbaI* site.
Insert contains: 584-2800 bp. Reference: Last exon ESR1

Reporter gene

Promoter, splice, PolyA CMV

Comments Please note that *XbaI* site is destroyed.
Sequence as well as primers are available.

Reference Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



07485406c_4A

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.6.08

Constructed by Deo Prakash Pandey

Date constructed Oct 2007

PLASMID NAME

CTGF.3xFLAG

bacterial marker Kan

vertebrate marker Neo (G418)

parent vector
CK, EGFP-C1

bacterial plasmid

other relevant source constructs
CKF, CK-PrI.3x-FLAG

Inserts Preprolactin is excised from CK-PrI.3x-FLAG with EcoRI/BamHI; CTGF ORF was amplified with primers EcoRI/BamHI and ligated in CK-PrI.3x-FLAG.

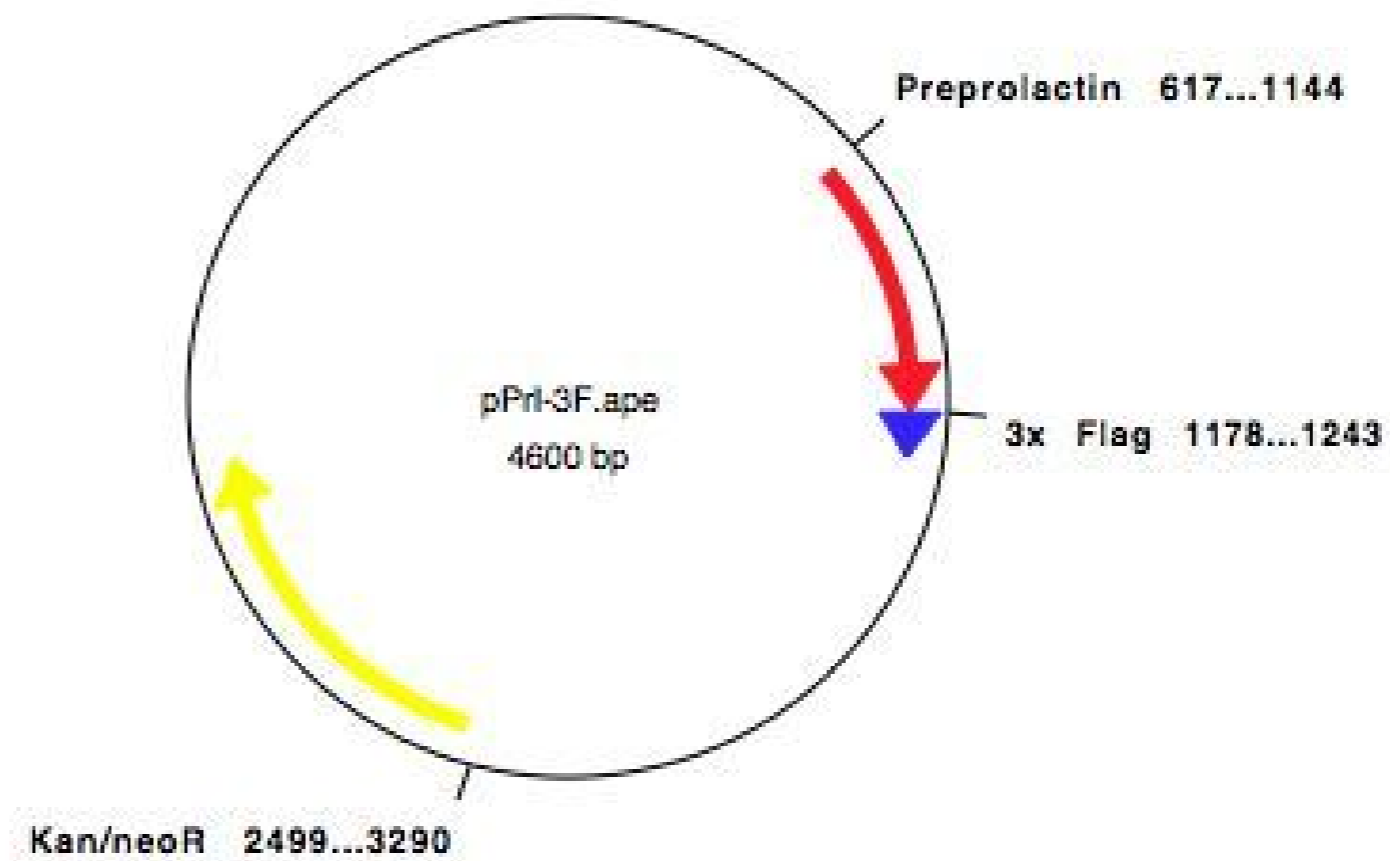
The primers are in the sequence section.

Reporter gene

Promoter, splice, PolyA
CMV
SV40 polyA

Comments Useful for tagging 3x-FLAG at the C-terminus. As seen here, "MCS" is just before 1178..1243. To clone here, one should remove the Preprolactin. Check the sequence.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2180

Date entered

4.6.08

Constructed by

Deo Prakash Pandey

Date constructed

Oct 2007

PLASMID NAME

hCTGF-EGFP

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

bacterial plasmid

pUC

other relevant source constructs

EGFP-N1

Inserts

CTGF was fused at the N-terminus of EGFP in EGFP-N1, the restriction sites used were EcoRI/BamHI. Primers are in the sequence section.

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments Careful: this plasmid does *not* have the Amp resistance!!!

Reference

Construct number

2182

Date entered

20.6.08

Constructed by

Open Biosystems

Date constructed

PLASMID NAME

pLKO.1_shHoxB13_2

alternative name

TRCN0000020845

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pBS

other relevant source constructs

Inserts

shRNA construct with a hairpin 21 bp sense and antisense stem and a 6 bp loop specific for human HoxB13.

Sequence:

CCGGGCCTGGGTGGGAGGAGCGAAACTCGAGTTTCGCTCCTCCCAC
CCAGGCTTTTT

Reporter gene

Promoter,
splice,
PolyA

Human U6 Promoter: RNA generated with four uridine overhangs at each 3' end

PGK: phosphoglycerate kinase promoter

puroR: Puromycin mammalian selectable marker

SIN LTR: 3' Self inactivating long terminal repeat

f1 ori: f1 origin of replication

5'LTR: 5' long terminal repeat

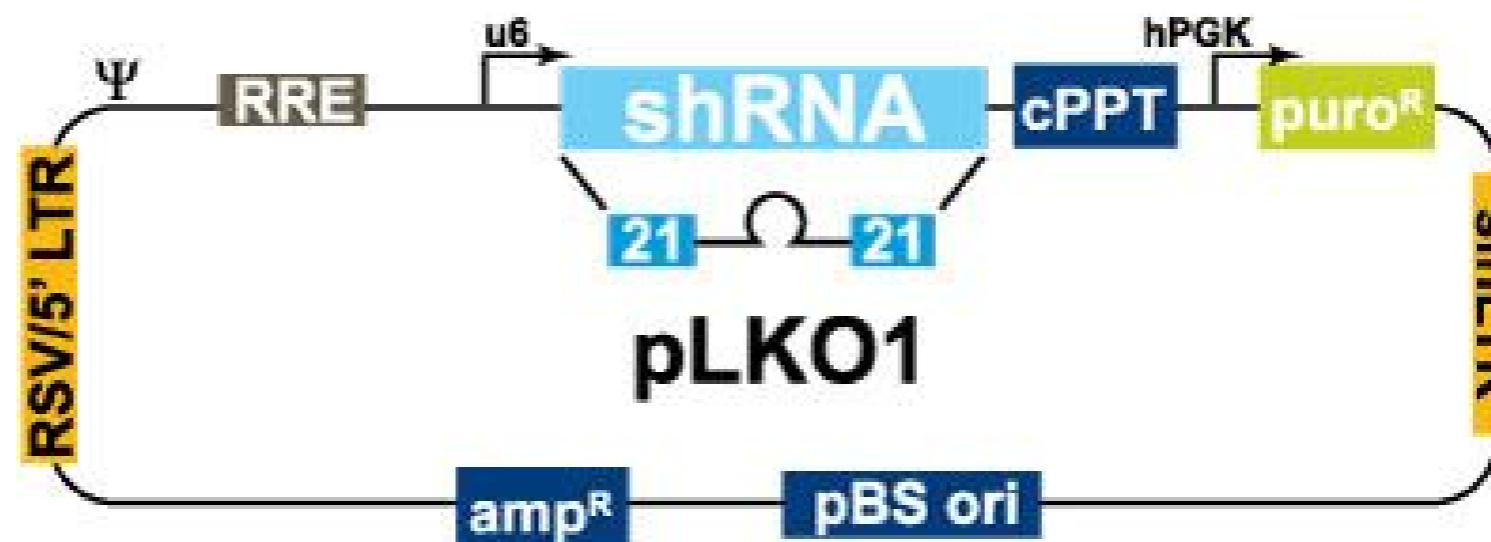
RRE: Rev response element

Comments

pLKO.1 HIV-based lentiviral vector

For the clone ID for the distributor look at the alternative name

Reference



Construct number

2183

Date entered

20.6.08

Constructed by

Open Biosystems

Date constructed

PLASMID NAME

pLKO.1_shHoxB13_3

alternative name

TRCN0000020846

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pBS

other relevant source constructs

Inserts

shRNA construct with a hairpin 21 bp sense and antisense stem and a 6 bp loop specific for human HoxB13.

Sequence:

CCGGCGCCAGATTACCATCTGGTTTCTCGAGAAACCAGATGGTAATC
TGGCGTTTTT

Reporter gene

Promoter,
splice,
PolyA

Human U6 Promoter: RNA generated with four uridine overhangs at each 3' end

PGK: phosphoglycerate kinase promoter

puroR: Puromycin mammalian selectable marker

SIN LTR: 3' Self inactivating long terminal repeat

f1 ori: f1 origin of replication

5'LTR: 5' long terminal repeat

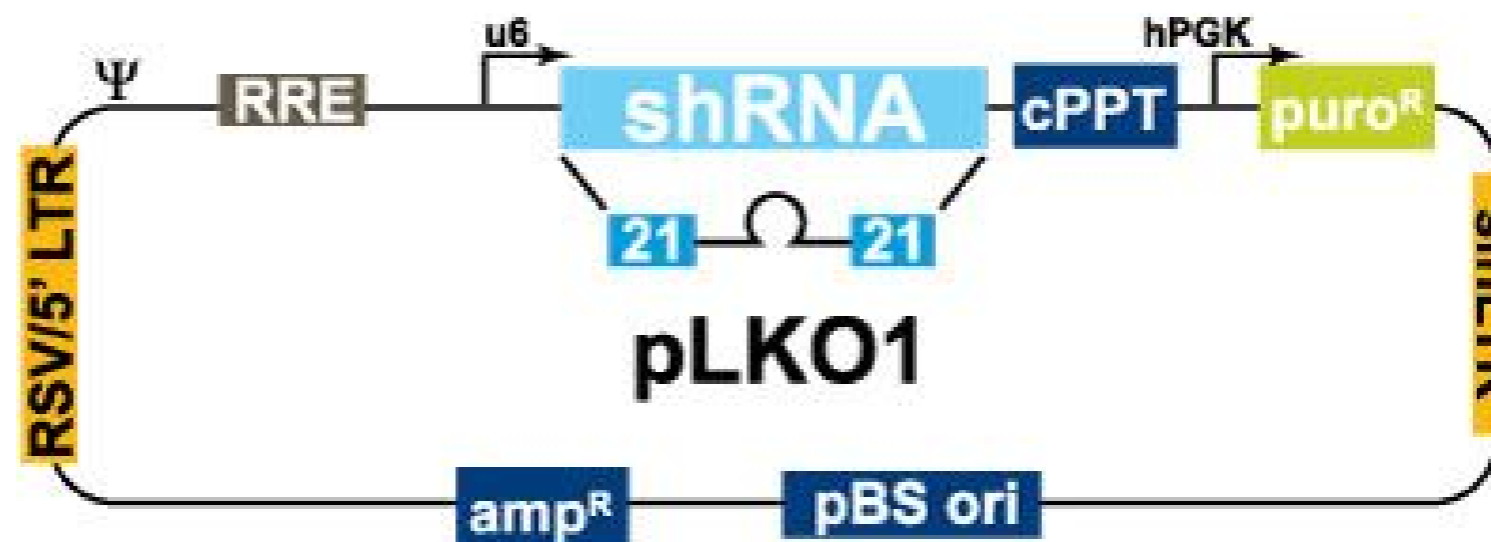
RRE: Rev response element

Comments

pLKO.1 HIV-based lentiviral vector

For the clone ID for the distributor look at the alternative name

Reference



Construct number

2184

Date entered

20.6.08

Constructed by

Open Biosystems

Date constructed

PLASMID NAME

pLKO.1_shHoxB13_4

alternative name

TRCN0000020847

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pBS

other relevant source constructs

Inserts

shRNA construct with a hairpin 21 bp sense and antisense stem and a 6 bp loop specific for human HoxB13.

Sequence:

CCGGGTTTGCCTTCTATCCGGGATACTCGAGTATCCCGGATAGAAGG
CAAAC TTTT

Reporter gene

**Promoter,
splice,
PolyA**

Human U6 Promoter: RNA generated with four uridine overhangs at each 3' end

PGK: phosphoglycerate kinase promoter

puroR: Puromycin mammalian selectable marker

SIN LTR: 3' Self inactivating long terminal repeat

f1 ori: f1 origin of replication

5'LTR: 5' long terminal repeat

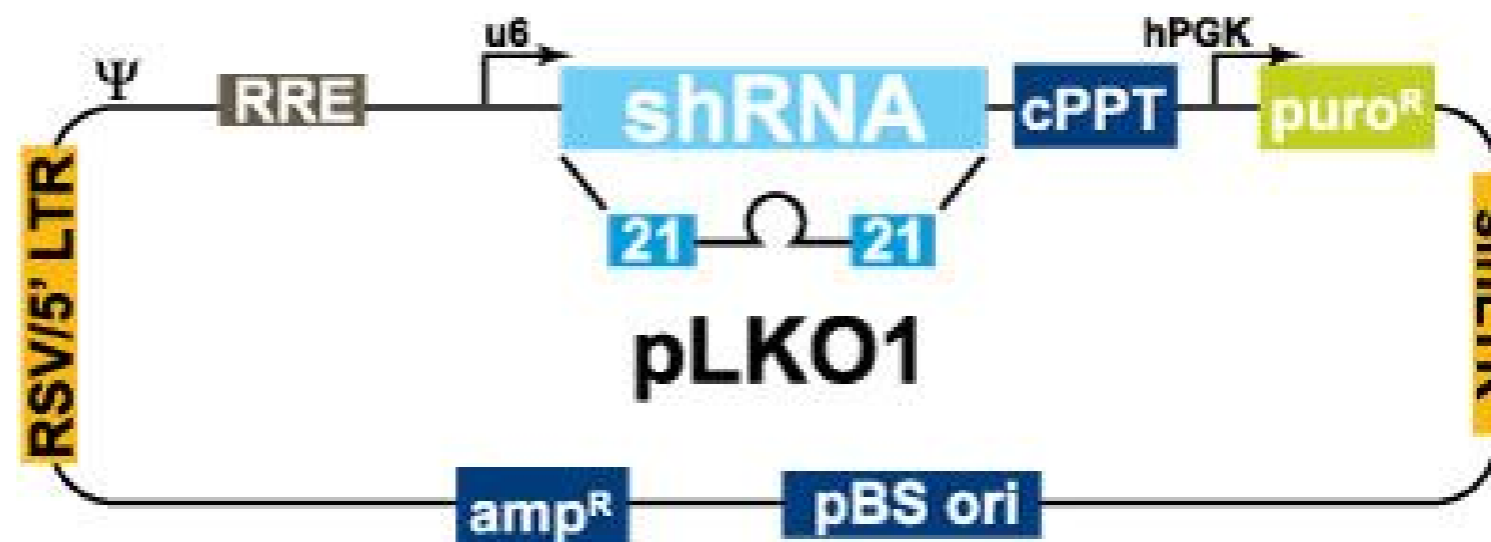
RRE: Rev response element

Comments

pLKO.1 HIV-based lentiviral vector

For the clone ID for the distributor look at the alternative name

Reference



Construct number

2185

Date entered

20.6.08

Constructed by

Open Biosystems

Date constructed

PLASMID NAME

pLKO.1_shHoxB13_5

alternative name

TRCN0000020848

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pBS

other relevant source constructs

Inserts

shRNA construct with a hairpin 21 bp sense and antisense stem and a 6 bp loop specific for human HoxB13.

Sequence:

CCGGCTGTGGACAGTTACCAGTCTTCTCGAGAAGACTGGTAACTGTC
CACAGTTTTT

Reporter gene

**Promoter,
splice,
PolyA**

Human U6 Promoter: RNA generated with four uridine overhangs at each 3' end

PGK: phosphoglycerate kinase promoter

puroR: Puromycin mammalian selectable marker

SIN LTR: 3' Self inactivating long terminal repeat

f1 ori: f1 origin of replication

5'LTR: 5' long terminal repeat

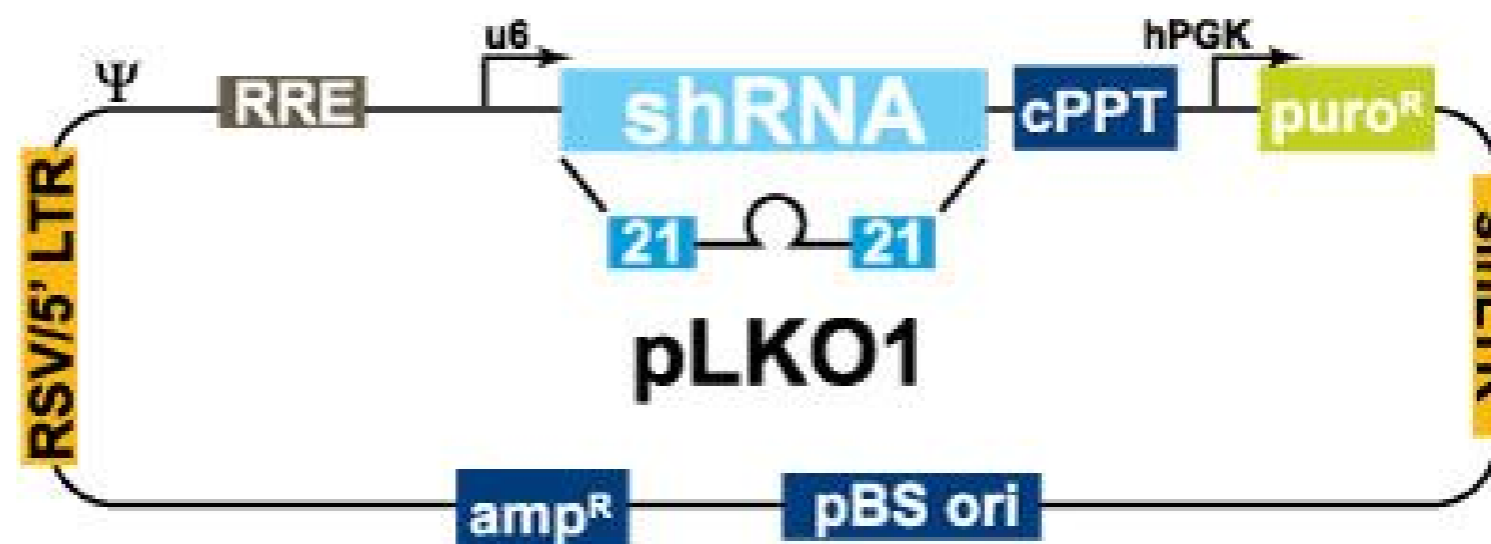
RRE: Rev response element

Comments

pLKO.1 HIV-based lentiviral vector

For the clone ID for the distributor look at the alternative name

Reference



Construct number

2186

Date entered

20.6.08

Constructed by

Open Biosystems

Date constructed

PLASMID NAME

pLKO.1_shHoxB13_1

alternative name

TRCN0000020844

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pBS

other relevant source constructs

Inserts

shRNA construct with a hairpin 21 bp sense and antisense stem and a 6 bp loop specific for human HoxB13.

Sequence:

CCGGCTGTGGACAGTTACCAGTCTTCTCGAGAAGACTGGTAACTGTC
CACAGTTTTT

Reporter gene

**Promoter,
splice,
PolyA**

Human U6 Promoter: RNA generated with four uridine overhangs at each 3' end

PGK: phosphoglycerate kinase promoter

puroR: Puromycin mammalian selectable marker

SIN LTR: 3' Self inactivating long terminal repeat

f1 ori: f1 origin of replication

5'LTR: 5' long terminal repeat

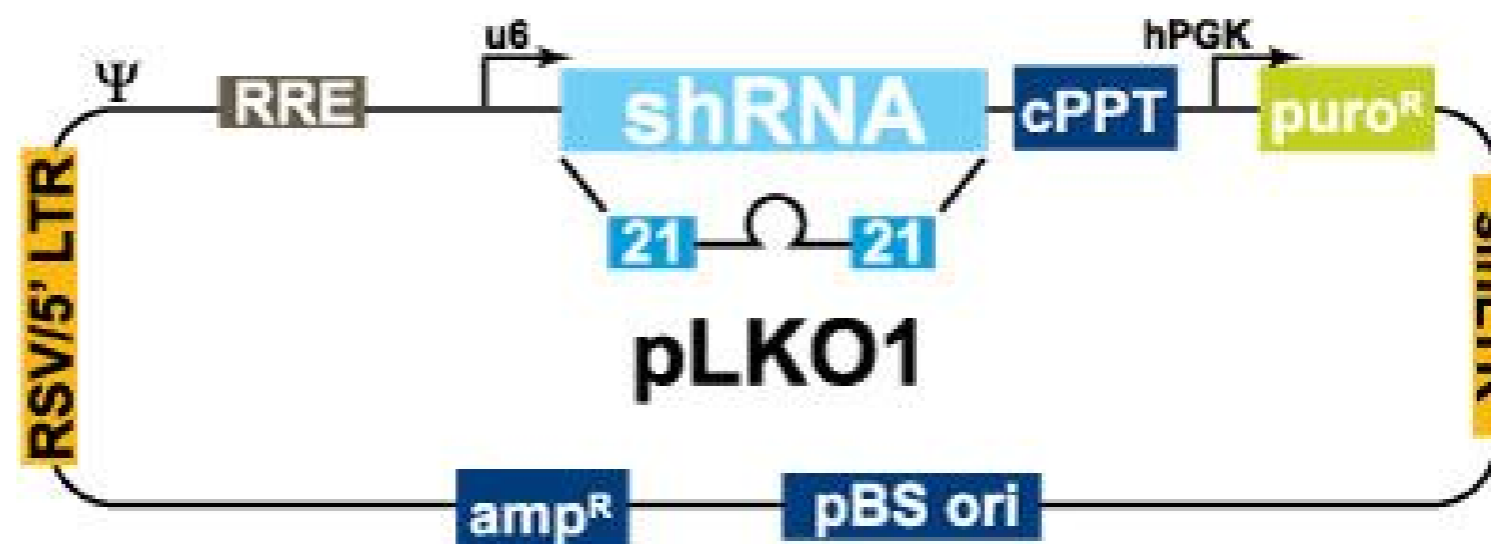
RRE: Rev response element

Comments

pLKO.1 HIV-based lentiviral vector

For the clone ID for the distributor look at the alternative name

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 24.7.08

Constructed by Guillaume

Date constructed 22.07.2008

PLASMID NAME

TRAP1_shKO

bacterial marker Amp

parent vector
pBluescript-TRAP1
bacterial plasmid

other relevant source constructs

Inserts mutagenesis of the sh1_hTrap1 shRNA binding site to allow downregulation of endogenous protein but not of plasmid expressed proteins.

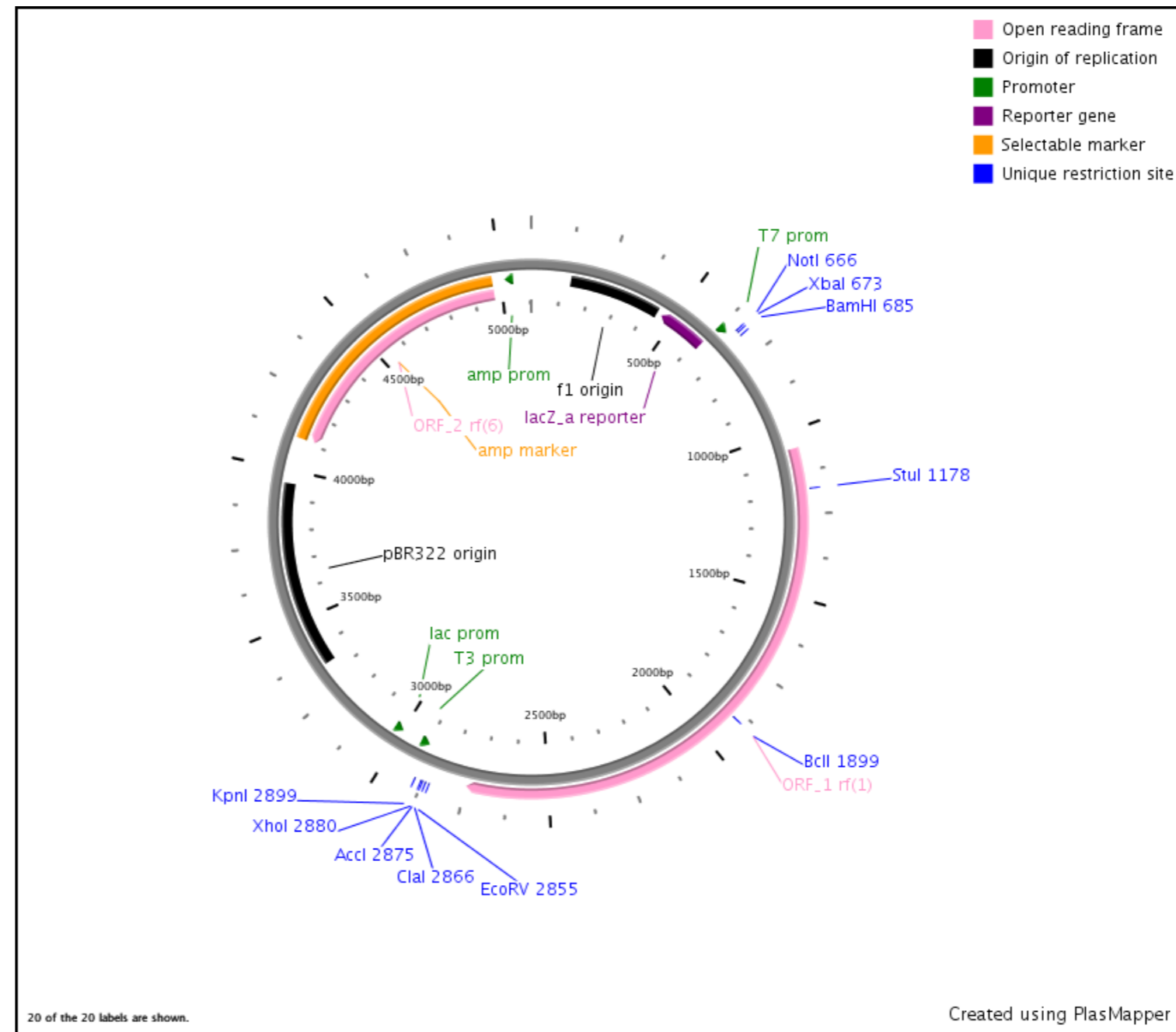
Mutation of CCGACATGAAACCGTCCATG sequence in CCGGATATGAAGCCTAGTATG using oligos sh3trap1ko_BW (5'-ACTAGGCTTCATATCCGGCACGTAGAAGATGCTGC-3') and sh3trap1ko_FW (5'-GGATATGAAGCCTAGTATGTTTGTGAGCCGGG-3')
PCR cycle: 5'@94°C;1'@94;1'@50;11'@68;[30"@94;1'@50;11'@68]x18

Reporter gene

Promoter,
splice,
PolyA

Comments The mutated fragment can be exised using BstX1 and Bcl1 restriction enzymes. Use DNA amplified in ER2925 strain (dam-/dcm-).

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.8.08

Constructed by Pierre-André Briand

Date constructed Aug. 2008

PLASMID NAME

p2U/3xF.GPR30

bacterial marker Amp	parent vector p2U
yeast marker URA3	bacterial plasmid pBLUESCRIPT
eucaryotic replicon 2 μ circle	other relevant source constructs pYes3xFlagGpr30

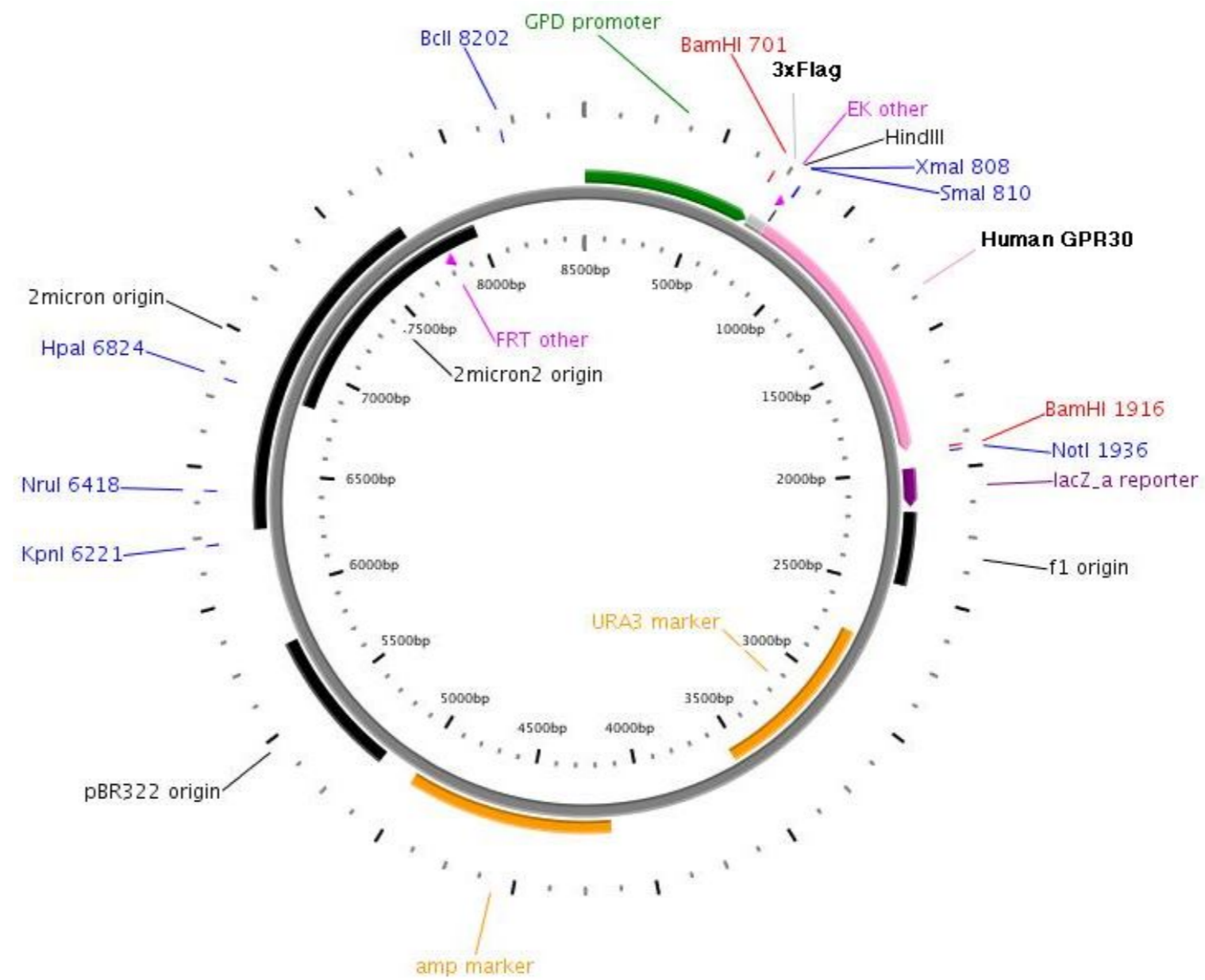
Inserts Human GPR30 with N-terminal triple Flag tag

Reporter gene

Promoter, splice, PolyA GPD

Comments sequence available

Reference for vector p2U: Palmer et al. (1995) Mol. Biochem. Parasitology 70, 199.



DIDIER PICARD LAB, University of Geneva

Construct number

2189

Date entered

1.9.08

Constructed by

Guillaume

Date constructed

29.08.08

PLASMID NAME

Trap1.EGFP_shKO

bacterial marker Kan

parent vector

Trap1.EGFP

bacterial plasmid

other relevant source constructs

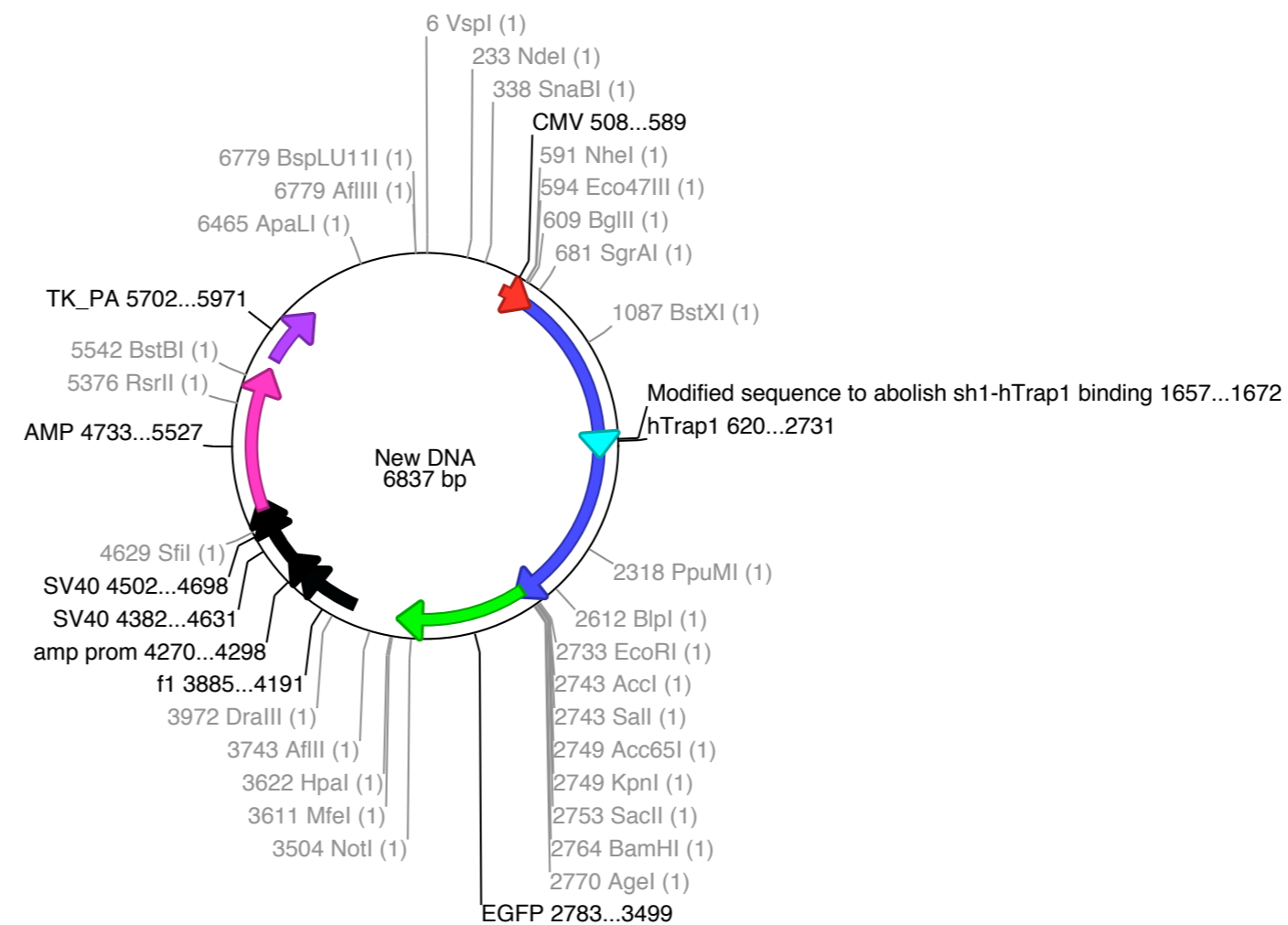
TRAP1_shKO

Inserts

mutagenised sh1_hTrap1 binding sequence from pBluescript-TRAP1_shKO excised with *BclI* and *BstXI*.

Reporter gene

Promoter,
splice,
PolyA



Comments

Use in combination with sh1_hTrap1 to downregulate endogenous hTrap1 but not the exogenous product.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 1.9.08

Constructed by Guillaume

Date constructed 21.07.08

PLASMID NAME

CK-Trap1.3xFLAG_shKO

bacterial marker Kan

vertebrate marker Neo (G418)

parent vector

CK-Trap1.3xFLAG

bacterial plasmid

other relevant source constructs

EGFP.Trap1_shKO

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments 3xFlag sequence may not be correct or in-frame (02/2016)

Reference

Construct number

Date entered 8.9.08

Constructed by Régine Losson

Date constructed

PLASMID NAME

pFL39-3ERE-URA3

bacterial marker Amp

parent vector

bacterial plasmid

eucaryotic replicon CEN/ARS

other relevant source constructs

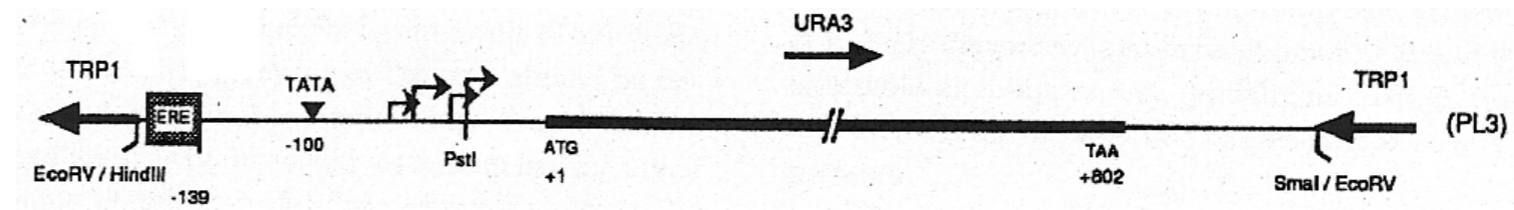
Inserts Single ERE at -139 of URA3 gene, inserted within TRP1 gene.

Reporter gene

Promoter, splice, PolyA ERE upstream of minimal URA3 promoter

Comments - inactive without activated estrogen receptor.
- can be integrated into yeast genome at TRP1 gene (but it is not entirely clear how...).

Reference Pierrat et al. (1992) Gene 119, 237.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.9.08

Constructed by Deo Prakash Pandey

Date constructed Sep 2008

PLASMID NAME

pSR.siSRF

bacterial marker Amp

vertebrate marker Puromycin

parent vector
pSuper-Retro

bacterial plasmid

other relevant source constructs

Inserts antisense oligo targeting 3'UTR of human SRF was cloned into pSR to be expressed as an shRNA. pSR was cut with BglII and XhoI.

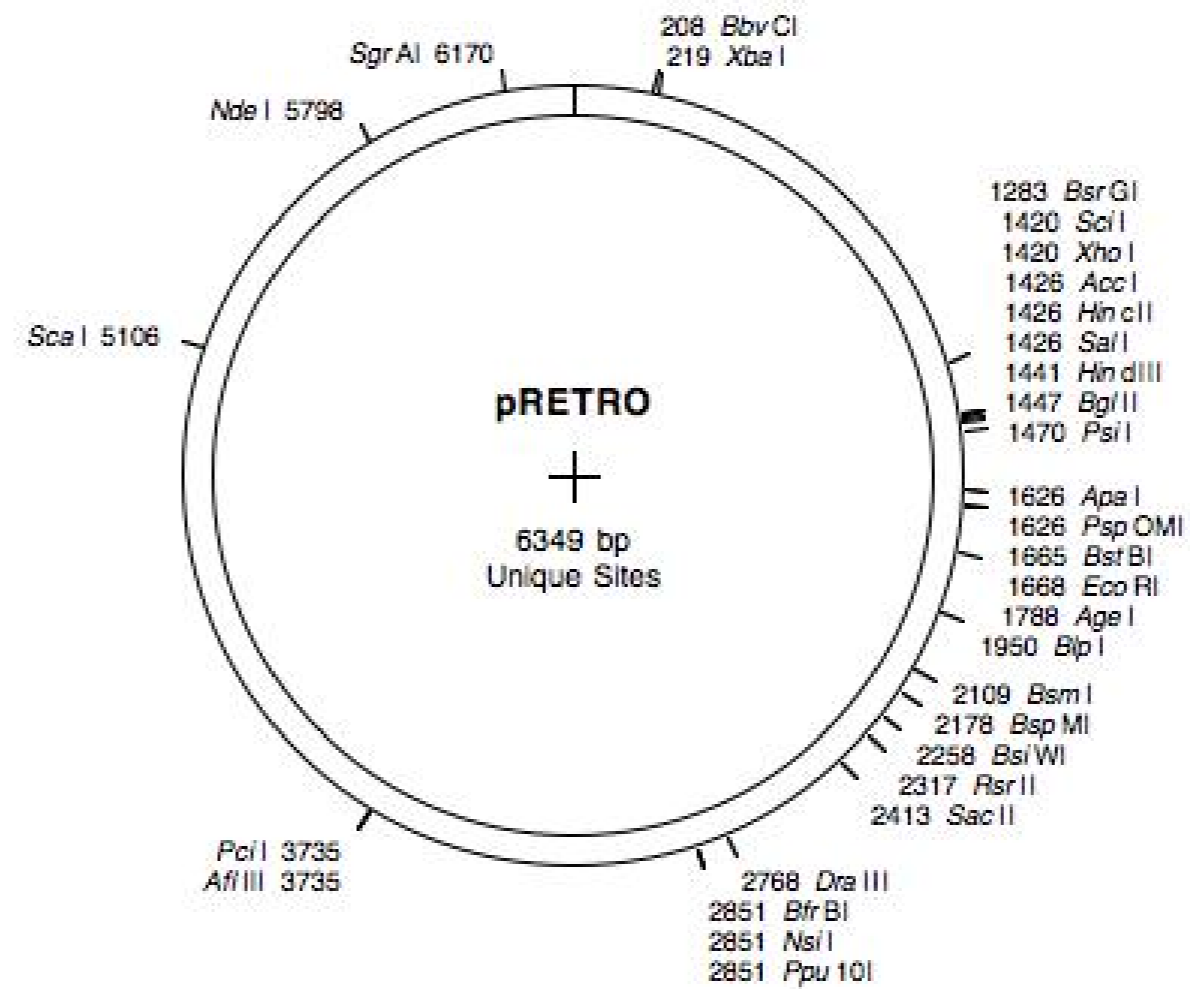
siRCK: **CGATGTTTGCCATGAGTAT**

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Treisman Lab, personal communication.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.9.08

Constructed by Deo Prakash Pandey

Date constructed Sep 2008

PLASMID NAME

3xFLAG-mut-hGPR30

alternative name

GPFR rescue

<u>bacterial marker</u> Amp	<u>parent vector</u> p3xFLAG-CMV-10
<u>vertebrate marker</u> Neo (G418)	<u>bacterial plasmid</u> pBR322
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u> p3xFLAG-ratGPR30

Inserts The human GPR30 orf mutated such that it is no longer targeted by the shRNA against GPR30.

shRNA: G CGA GGG ACG TTC GTC AGA AA
 Wt: GCC GCT CCC TGC AAG CAG TCT TTC
 mutated: GCC GCT CCG TGT AAA CAA AGT TTC

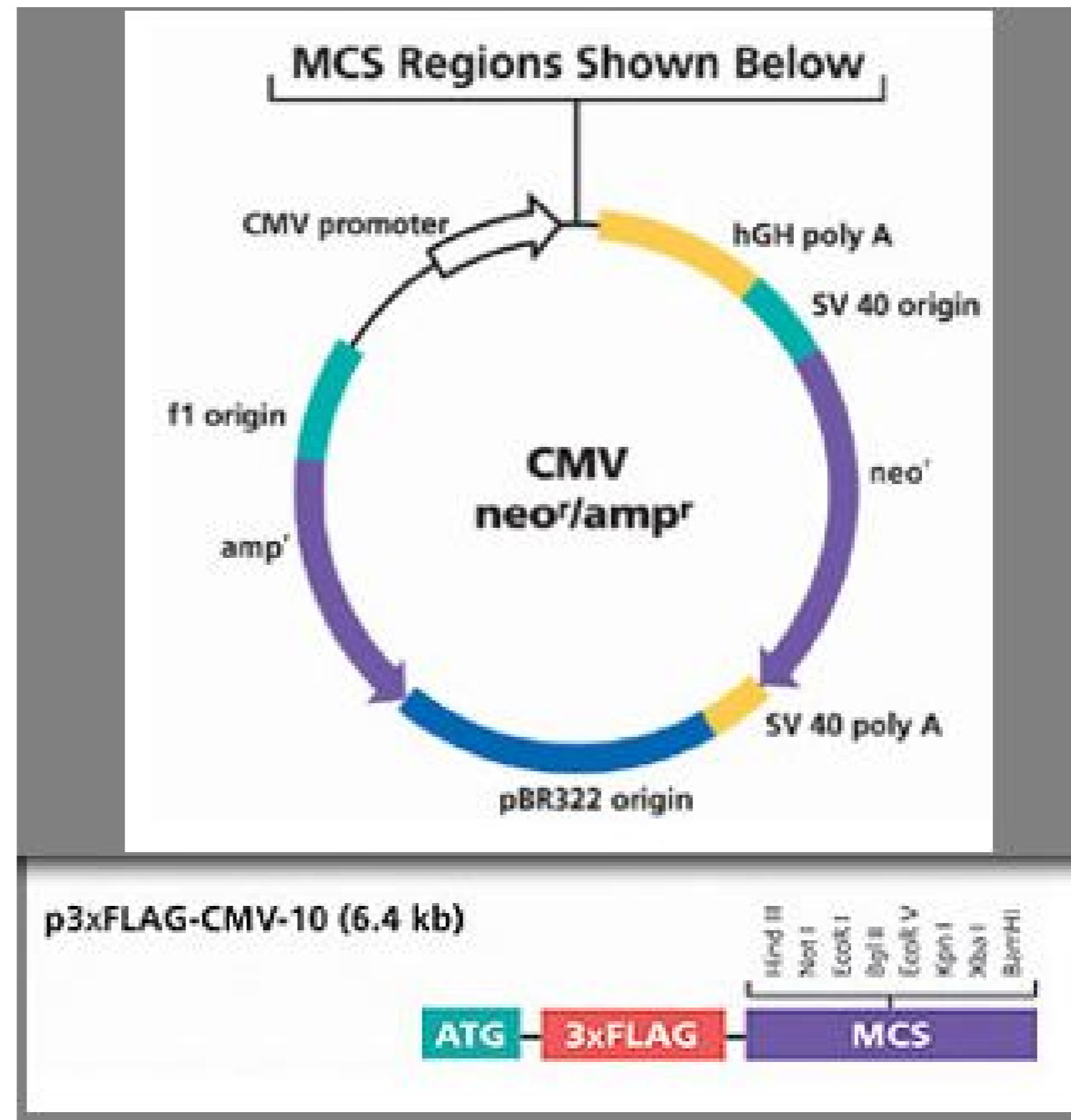
(not targeted anymore by sh3_hGPR30)

Reporter gene

Promoter,
splice,
PolyA

Comments - Find the primers in the sequence section.
 - map shows empty expression vector

Reference Pandey et al. (2009) EMBO 28, 523



Construct number

2194

Date entered

16.9.08

Constructed by

Sato Lab

Date constructed

1998

PLASMID NAME

Ets-DN

bacterial marker Amp

parent vector

pCEP4

bacterial plasmid

other relevant source constructs

Inserts

cDNA-encoding Ets-DN, which lacks a transcription activation domain and corresponds to amino acid residues 306–441.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Kita et al, Cancer Res. 2001 Nov 1;61(21):7985-91.
Kim et al, Oncogene, 19: 1764-1771, 2000.

DIDIER PICARD LAB, University of Geneva

Construct number

2195

Date entered

16.9.08

Constructed by

Treisman Lab

Date constructed

PLASMID NAME

FLAG-SRF

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Serum Response Factor is flag-tagged at N-terminus.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

2196

Date entered

16.9.08

Constructed by

Treisman Lab

Date constructed

PLASMID NAME

Luc-SRF

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

A luciferase reporter to study SRF.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Dziugas Gineitis and Richard Treisman, J. Biol. Chem., Vol. 276, Issue 27, 24531-24539, July 6, 2001

Construct number
Constructed by ImaGenes

Date entered 22.9.08
Date constructed

PLASMID NAME

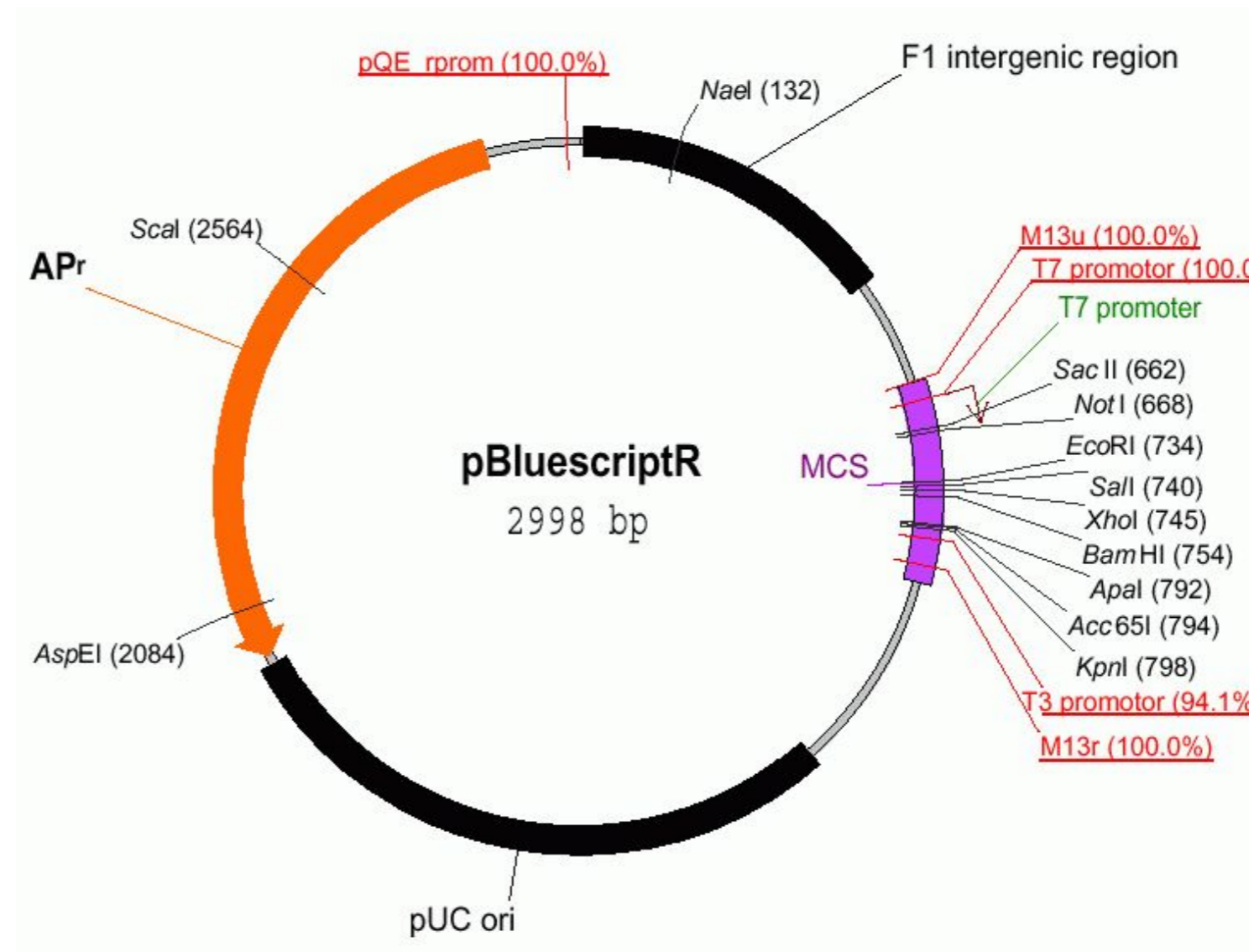
IRATp970H0426D

bacterial marker Amp	parent vector pBluescriptR bacterial plasmid
other relevant source constructs	

Inserts	Human Scp1 (=Sycp1) cDNA; probably full-length
Reporter gene	<input type="text"/>
Promoter, splice, PolyA	none

Comments - map is of empty vector
- Pubmed ID BC026162
- cloned between Sall and BamHI sites

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2199

Date entered

10.10.08

Constructed by

Euroscarf

Date constructed

PLASMID NAME

pSH62

bacterial marker Amp

parent vector

yeast marker HIS3

bacterial plasmid

eukaryotic replicon CEN/ARS

other relevant source constructs

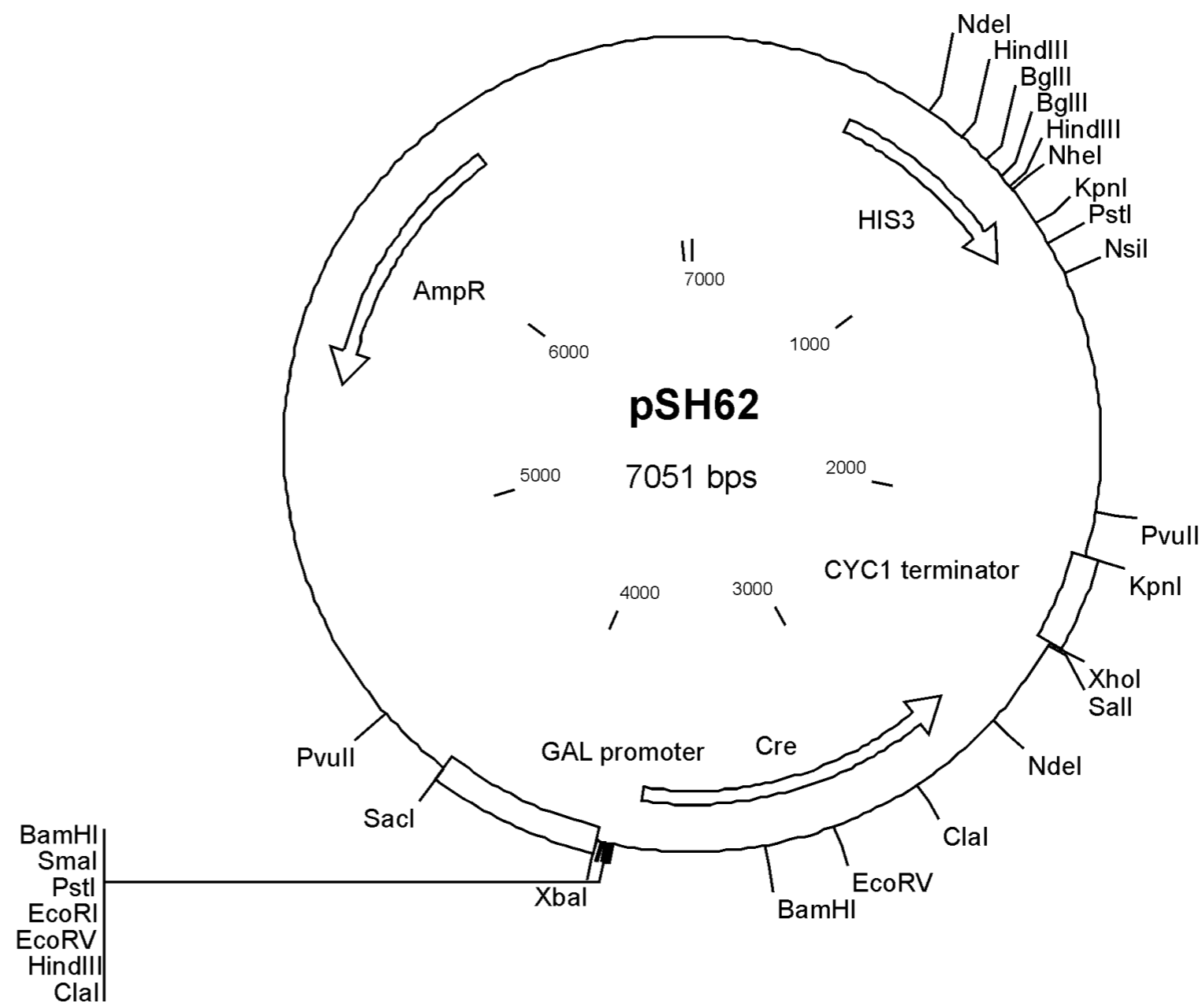
Inserts Cre recombinase

Reporter gene

Promoter, splice, PolyA GAL1 promoter

Comments sequence available

Reference Gueldener et al. (2002) NAR 30, e23.



Construct number 2200

Date entered 10.10.08

Constructed by Euroscarf

Date constructed

PLASMID NAME

pUG72

bacterial marker Amp

parent vector

yeast marker URA3

bacterial plasmid

eukaryotic replicon none

other relevant source constructs

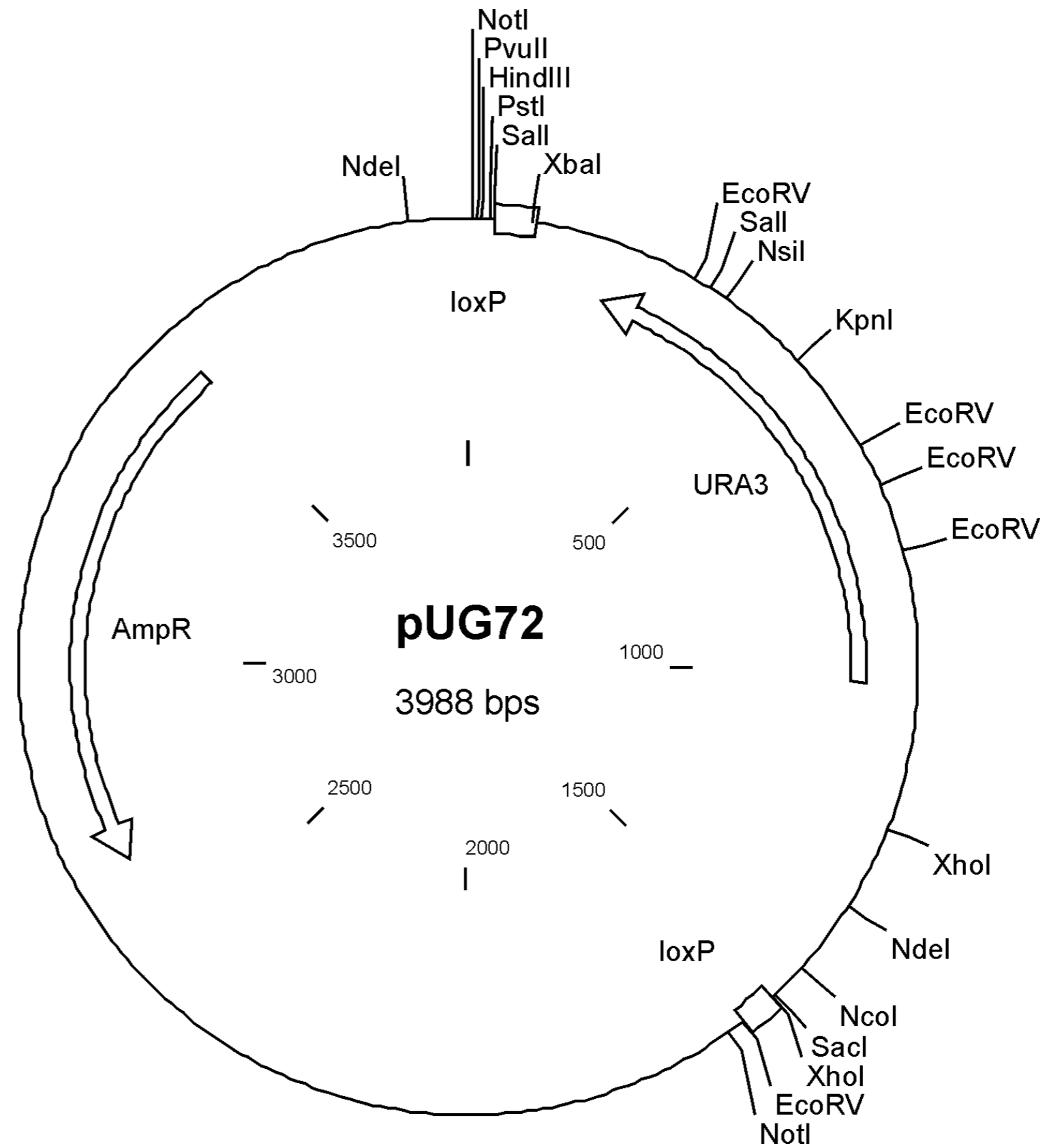
Inserts K. lactis URA3 gene flanked by loxP sites

Reporter gene

Promoter,
splice,
PolyA

Comments - for PCR-mediated URA3-marked deletion of your favorite gene
- sequence available

Reference Gueldener et al. (2002) NAR 30, e23.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 15.10.08

Constructed by Pablo Echeverria

Date constructed 12.10.08

PLASMID NAME

p3xFLAG/hAha1

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector
p3xFLAG/MCS
bacterial plasmid
pBR322
other relevant source constructs

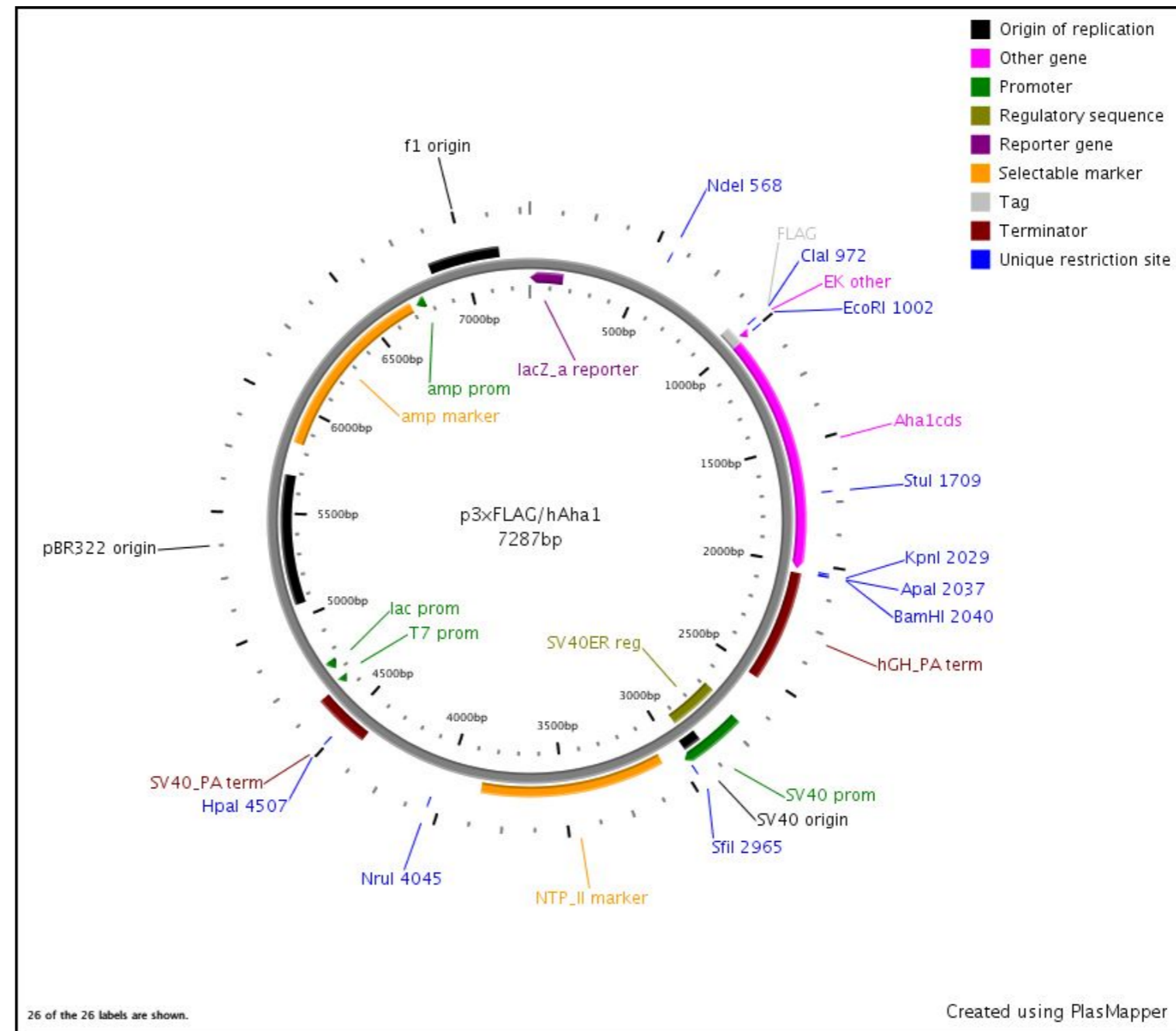
Inserts THE COMPLETE CODING REGION OF HUMAN AHA gene is inserted between Eco and Kpn sites.

Reporter gene

Promoter,
splice,
PolyA

Comments sequence is available

Reference Expression confirmed with Western.



Construct number

2202

Date entered

31.10.08

Constructed by

David Smith's lab

Date constructed

PLASMID NAME

pDS-600

bacterial marker Amp

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

pDS-404

bacterial plasmid

other relevant source constructs

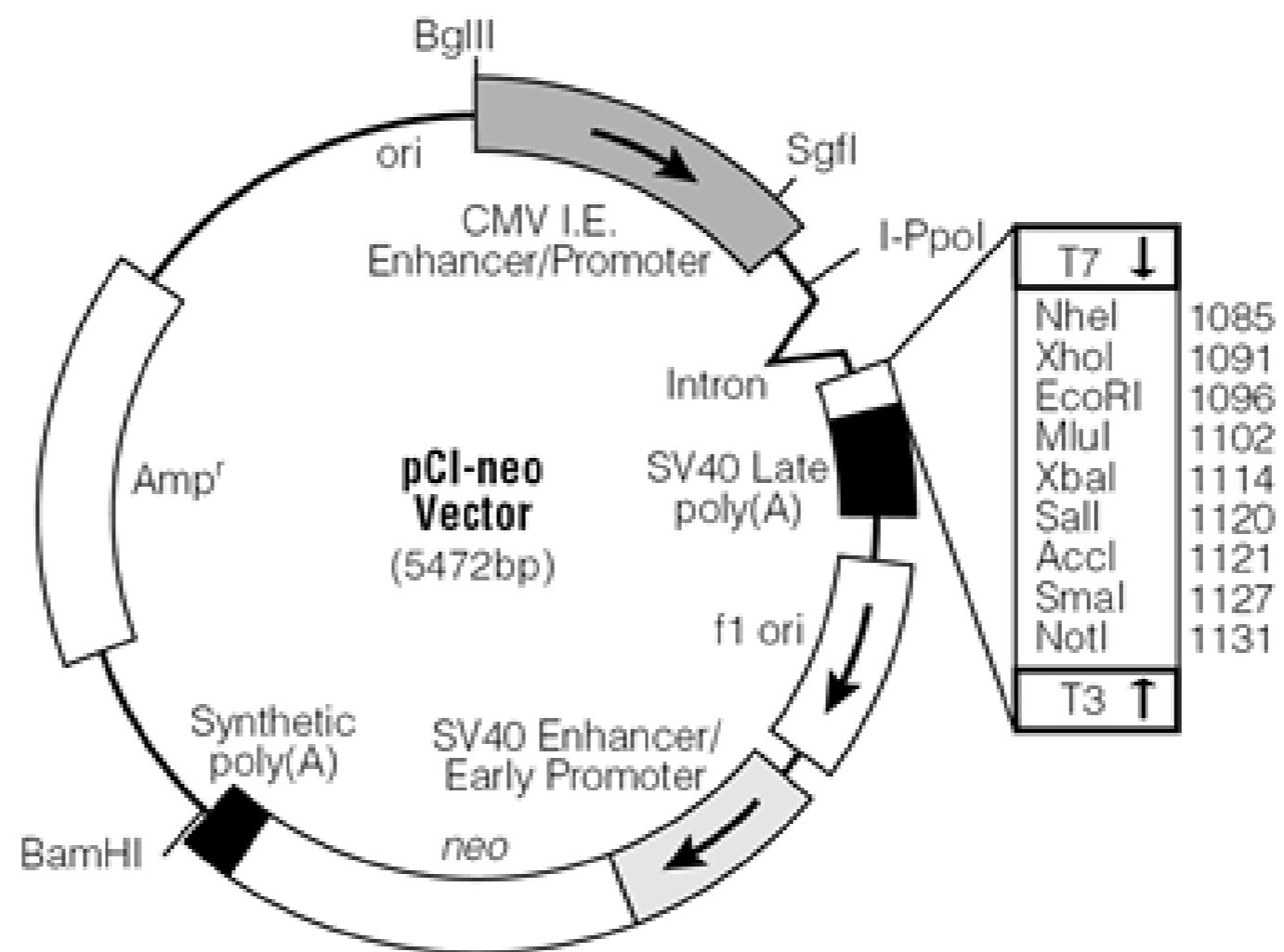
Inserts human FKBP52

Reporter gene

Promoter, splice, PolyA - CMV enhancer/promoter
- chimeric intron, T7
- SV40 late polyA

Comments - map shows putative expression vector: pCI-neo from Promega (not sure this is the right vector for this plasmid!!!).
- received from Marc Cox

Reference



0814VA01_5A

Construct number

2203

Date entered

31.10.08

Constructed by

David Smith's lab

Date constructed

PLASMID NAME

pDS-656

alternative name

pS03-010

bacterial marker Amp

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

pCI-neo

bacterial plasmid

other relevant source constructs

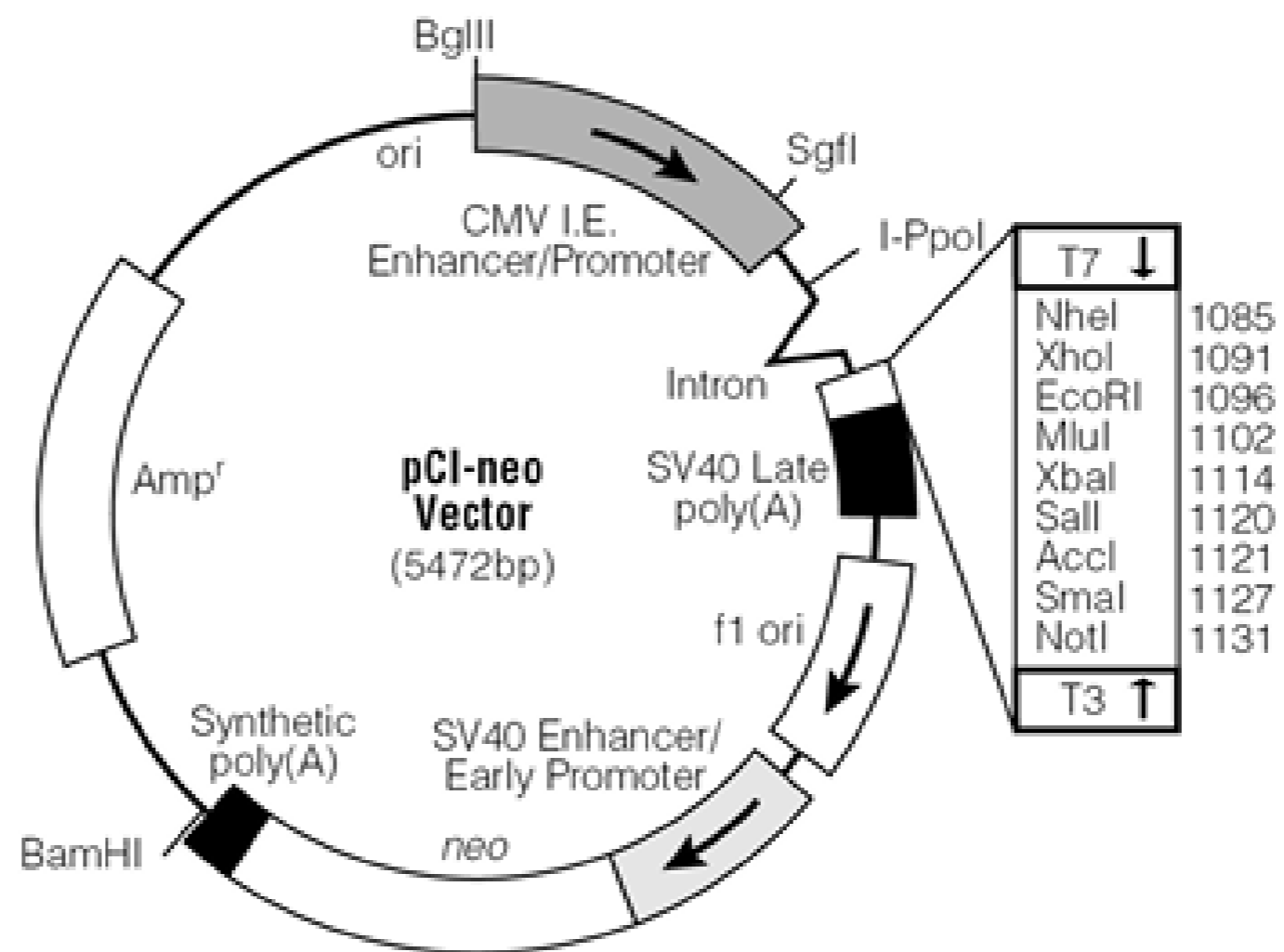
Inserts human FKBP51

Reporter gene

Promoter, splice, PolyA - CMV enhancer/promoter
- chimeric intron, T7
- SV40 late polyA

Comments - map shows parent expression vector: pCI-neo from Promega.
- received from Marc Cox

Reference



0814VA01_5A

Construct number

2204

Date entered

31.10.08

Constructed by

David Smith's lab

Date constructed

PLASMID NAME

pDS-658

alternative name

pS03-010

bacterial marker Amp

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

pCI-neo

bacterial plasmid

other relevant source constructs

Inserts

human FKBP52 with C-terminal HA tag (probably 12CA5 epitope)

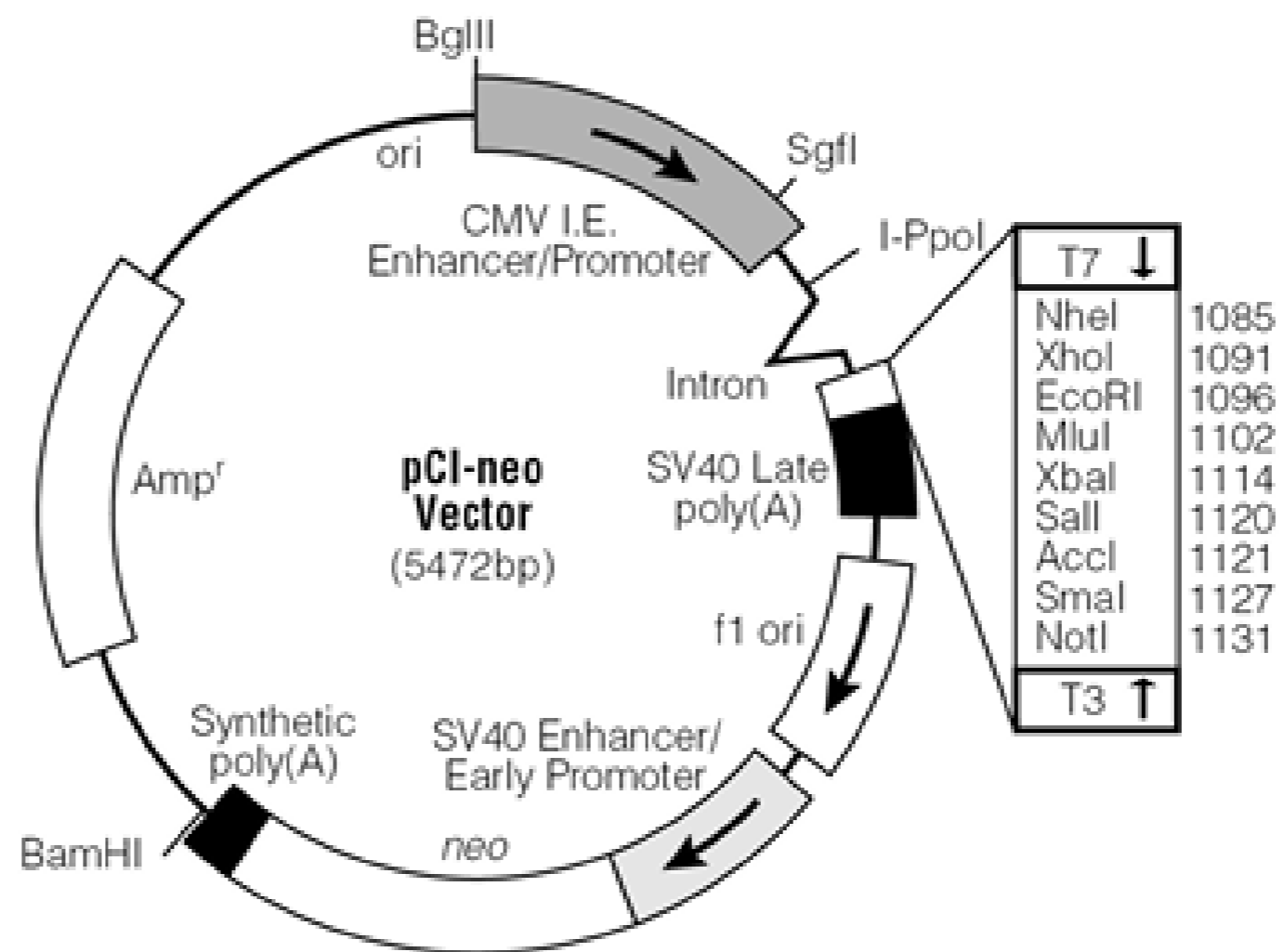
Reporter gene

Promoter, splice, PolyA - CMV enhancer/promoter
- chimeric intron, T7
- SV40 late polyA

Comments

- map shows parent expression vector: pCI-neo from Promega
- received from Marc Cox

Reference



0814VA01_5A

DIDIER PICARD LAB, University of Geneva

Construct number 2205

Date entered 10.11.08

Constructed by P.A.Briand

Date constructed 11.2008

PLASMID NAME

pET15b/Taq

bacterial marker Amp

parent vector

pET15b

bacterial plasmid

pBR322 (low copy!)

other relevant source constructs

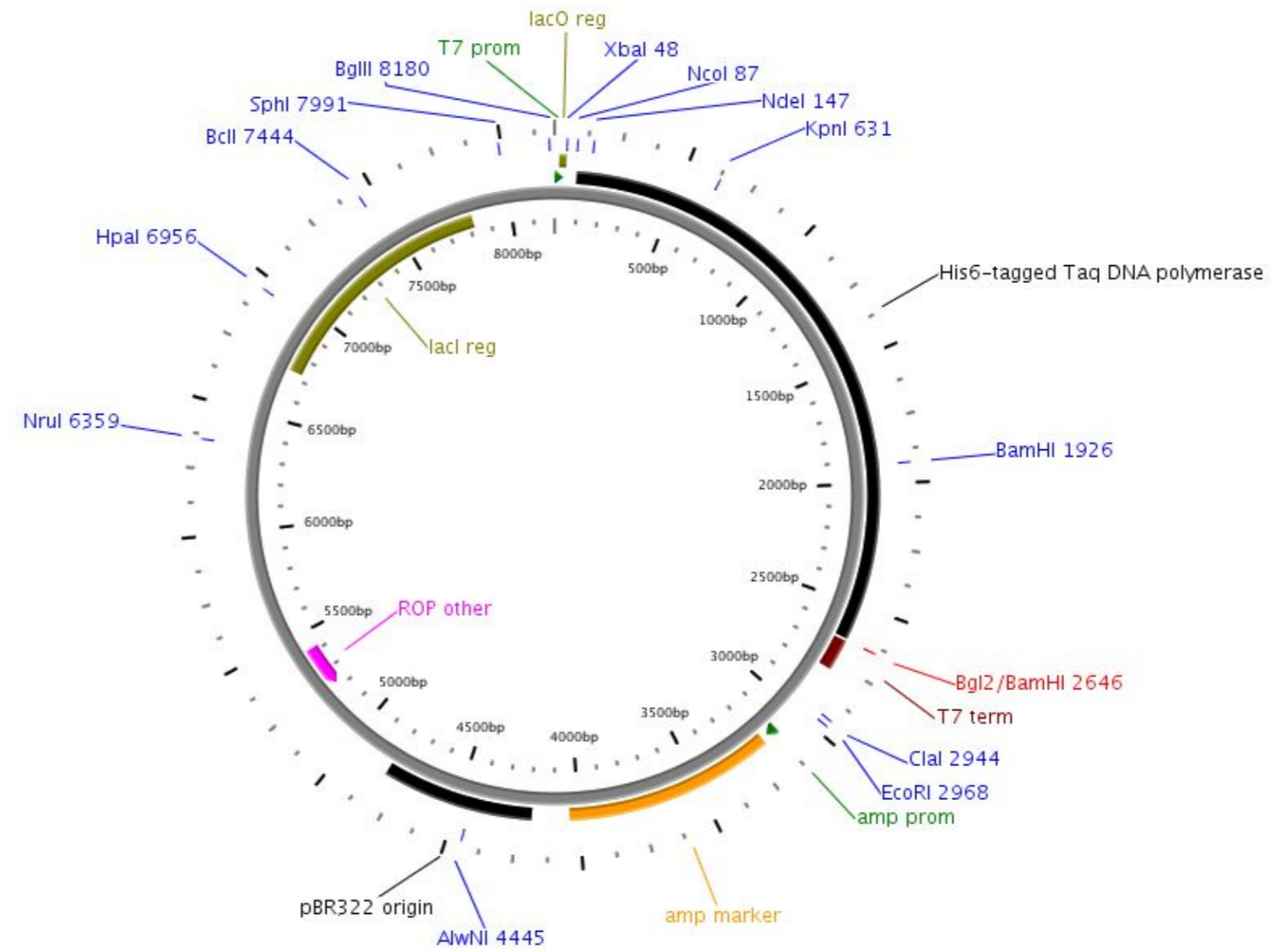
Inserts Taq DNA polymerase with N-terminal His6 tag, separated by thrombin cut site.

Reporter gene

Promoter, splice, PolyA T7 promoter, lac operator and T7 transcription terminator

Comments Plasmid carries lacI gene.

Reference



Construct number

2206

Date entered

11.11.08

Constructed by

Date constructed

PLASMID NAME

pTTQ18/Taq

bacterial marker Amp

parent vector

pTTQ18

bacterial plasmid

low copy!

other relevant source constructs

Inserts Taq DNA polymerase (no tag)

Reporter gene

Promoter,
splice,
PolyA Ptac promoter

Comments - plasmid also contains lacIq gene.
- plasmid received from Schibler lab (do not pass on!)

Reference Ferralli et al. (2007) BIOS 78, 69-74

DIDIER PICARD LAB, University of Geneva

Construct number

2207

Date entered

27.11.08

Constructed by

Pierre- André Briand

Date constructed

30 . 4 .00

PLASMID NAME

pTrc/His.CDC37

bacterial marker

parent vector

pG1/cdc37

bacterial plasmid

other relevant source constructs

Inserts cdc37

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

2208

Date entered

9.12.08

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

2209

Date entered

10.12.08

Constructed by

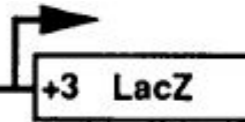
Andrew Dancis' lab

Date constructed

PLASMID NAME

pFL-398

pFL-398 -398



bacterial marker Amp

parent vector

yeast marker URA3

bacterial plasmid

eukaryotic replicon 2 μ circle

other relevant source constructs

Inserts S. cerevisiae FET3 promoter (-398/+3) driving lacZ

Reporter gene lacZ

Promoter,
splice,
PolyA FET3 promoter

Comments Note that yeast replicon is uncertain!!!!

Reference Yamaguchi-Iwai et al. (1996) EMBO J. 15, 3377

Construct number 2210

Date entered 6.1.09

Constructed by David Russell

Date constructed

PLASMID NAME

pCMV-Cyp7B1

bacterial marker Amp

parent vector pCMV6

bacterial plasmid

other relevant source constructs

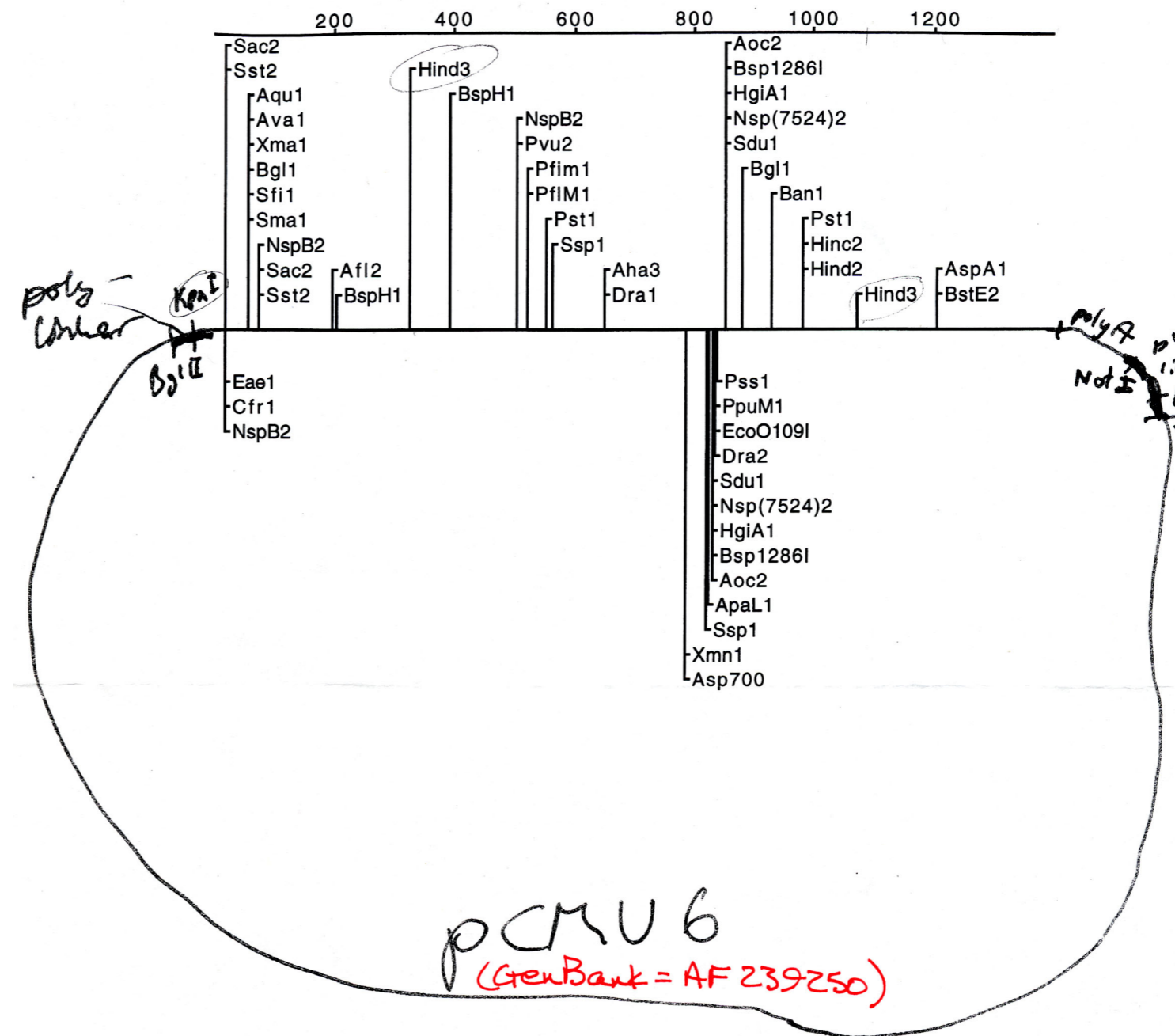
Inserts human Cyp7B1 (oxysterol 7 alpha-hydroxylase) inserted in pCMV6 vector (GenBank : AF239250)

Reporter gene

Promoter, splice, PolyA

Comments sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2211

Date entered

21.1.09

Constructed by

Guillaume Mühlebach

Date constructed

21.1.09

PLASMID NAME

Trap1.E56A_shKO

bacterial marker Kan

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

E56A Trap1mitoGFP

bacterial plasmid

other relevant source constructs

Trap1.EGFP_shKO

Inserts

E56A mutant of human Trap1 fused to green fluorescent protein (GFP) mutant EGFP (F64L and S65T, and H231L) with red shift and enhanced fluorescence
The aa sequence including the modified E is the following: VFIRELIS --> VFIRALIS

shRNA binding site abolished

Insertion of DNA from Trap1.EGFP_shKO excised w/ BstXI and BclI into E56A Trap1mitoGFP cut w/ same enzymes (dam-/dcm-!!!)

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments

- Careful: this plasmid does *not* have the Amp resistance!!!
- Trap1 N-terminus is according to original publication of Felts and Toft, and slightly different from ENSEMBL version, i.e. FEFRA~~MLL~~.. instead of MARELRALLL....

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 2213

Date entered 2.2.09

Constructed by Pablo Echeverria

Date constructed 26.01.2009

PLASMID NAME

pJet1.2/mAha1

bacterial marker Amp

parent vector

pJet1.2

bacterial plasmid

pBR322

other relevant source constructs

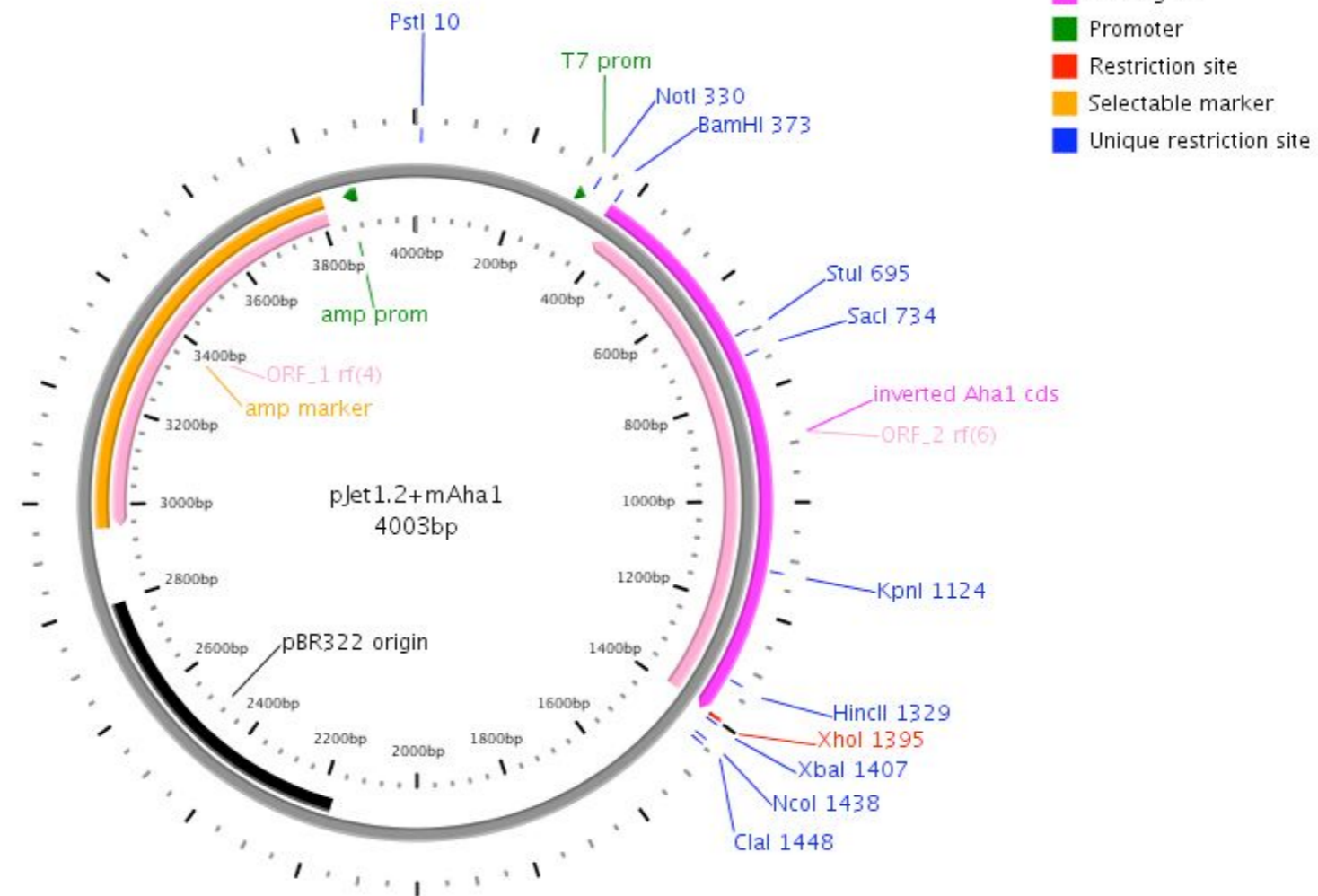
Inserts Complete coding sequence for mouse aha1, cloned inverted in pJet vector. The fragment is flanked by XhoI and BamHI restriction sites.

Reporter gene

**Promoter,
splice,
PolyA**

Comments map and sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 12.2.09

Constructed by Pablo Echeverria

Date constructed 4.02.2009

PLASMID NAME

pET15b/mAha1

bacterial marker Amp

parent vector

pET15-b

bacterial plasmid

pBR322

other relevant source constructs

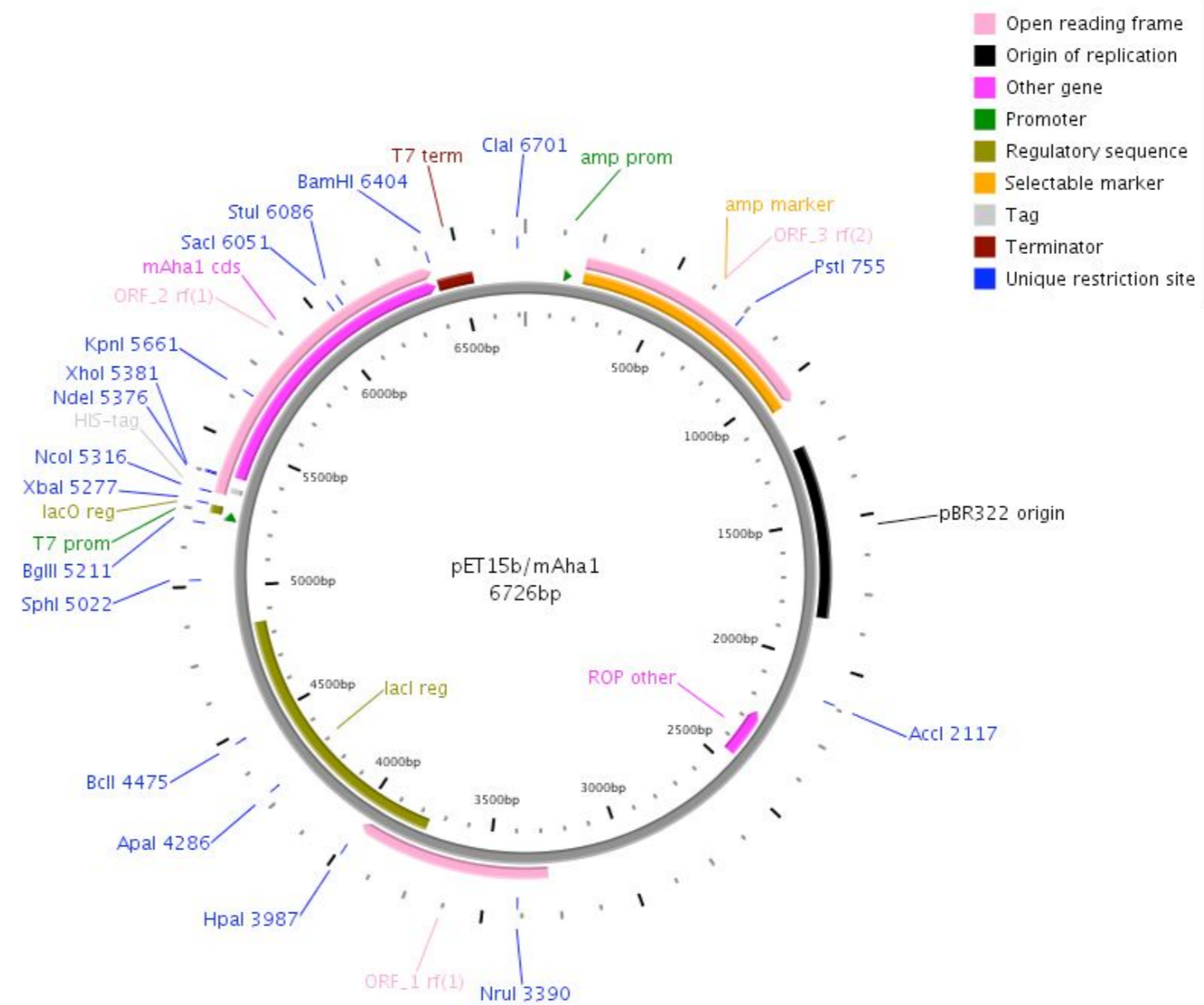
Inserts complete coding sequence of mouse Aha1 gene, inserted in pET15b bacterial expression plasmid. Cloned between XhoI and BamHI sites, to produce a fusion protein with a His-tag of 40.66 kDa

Reporter gene

Promoter,
splice,
PolyA

Comments Standard growth conditions for E coli expression cultures of BL21 cells carrying pet15b plasmid. Use Amp (50 µg/ml) and Chloranphenicol (35 µg/ml). Inoculate O.N. precultured cells with the main culture and grow at 37°C till OD(600) of 0.5 is reached. Induce expression with IPTG (1mM) for 4-5 hours.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2215

Date entered

14.4.09

Constructed by

Deo Prakash Pandey

Date constructed

Dec 08

PLASMID NAME

pLCA/GAL4(848).ER(G)

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

pRS315

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

pHCA/GAL4(848).ER(G), pRS315

Inserts

GAL4 coding sequences (1-848) fused in frame with the wild type (G400) hormone binding domain of hER (282-595).

Reporter gene

Promoter, ADH promoter (constitutive)
splice,
PolyA

Comments

Reference

Construct number

2216

Date entered

29.5.09

Constructed by

Evans lab

Date constructed

PLASMID NAME

pCMX-Gal-hSXR LBD

bacterial marker Amp

eukaryotic replicon SV40 ori

parent vector

pCMX

bacterial plasmid

pUC

other relevant source constructs

Inserts

Gal4 DNA binding domain fused to the ligand binding domain of human SXR (=PXR)

Reporter gene

Promoter,
splice,
PolyA

CMV, T7
SV40 splice and polyA

Comments

Reference

Plasmid originally from Ron Evans' lab, received via Bruce Blumberg.

Construct number

2217

Date entered

29.5.09

Constructed by

Evans lab

Date constructed

PLASMID NAME

pCMX-hSXR

bacterial marker Amp

parent vector

pCMX

bacterial plasmid

pUC

other relevant source constructs

eukaryotic replicon SV40 ori

Inserts full-length human SXR (=PXR)

Reporter gene

Promoter, CMV, T7
splice, SV40 splice and polyA
PolyA

Comments

Reference Plasmid originally from Ron Evans' lab, received via Bruce Blumberg.

Construct number

2218

Date entered

29.5.09

Constructed by

Evans lab

Date constructed

PLASMID NAME

pCMX- β -gal

bacterial marker Amp

parent vector

pCMX

bacterial plasmid

pUC

other relevant source constructs

eukaryotic replicon SV40 ori

Inserts β -galactosidase

Reporter gene

Promoter, CMV, T7
splice, SV40 splice and polyA
PolyA

Comments

Reference Plasmid originally from Ron Evans' lab, received via Bruce Blumberg.

Construct number

2219

Date entered

29.5.09

Constructed by

Evans lab

Date constructed

PLASMID NAME

ptk(MH1_00)4-luc

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Gal4 UAS upstream of TK promoter driving firefly luciferase

Reporter gene

luciferase

Promoter,
splice,
PolyA

TK promoter (-105/+51)

Comments

UAS_G x 4 (5'-CGACGGAGTACTGTCCTCCGAGCT; four copies)

Reference

Plasmid originally from Ron Evans' lab, received via Bruce Blumberg. Ref. is probably Forman et al. (1995) Cell 81, 541

Construct number

2220

Date entered

29.5.09

Constructed by

Evans lab

Date constructed

PLASMID NAME

ptk-XREM luc

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

DNA response element for SXR/RXR upstream of TK promoter

Reporter gene

luciferase

Promoter,
splice,
PolyA

TK promoter (-105/+51)

Comments

Reference

Plasmid originally from Ron Evans' lab, received via Bruce Blumberg.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.6.09

Constructed by Lilia Bernasconi

Date constructed 05_2009

PLASMID NAME

Gal93.ER(S464A)ΔF

bacterial marker Amp	parent vector Gal93.ER(G)
	bacterial plasmid
eucaryotic replicon SV40 ori	other relevant source constructs ERαS464A

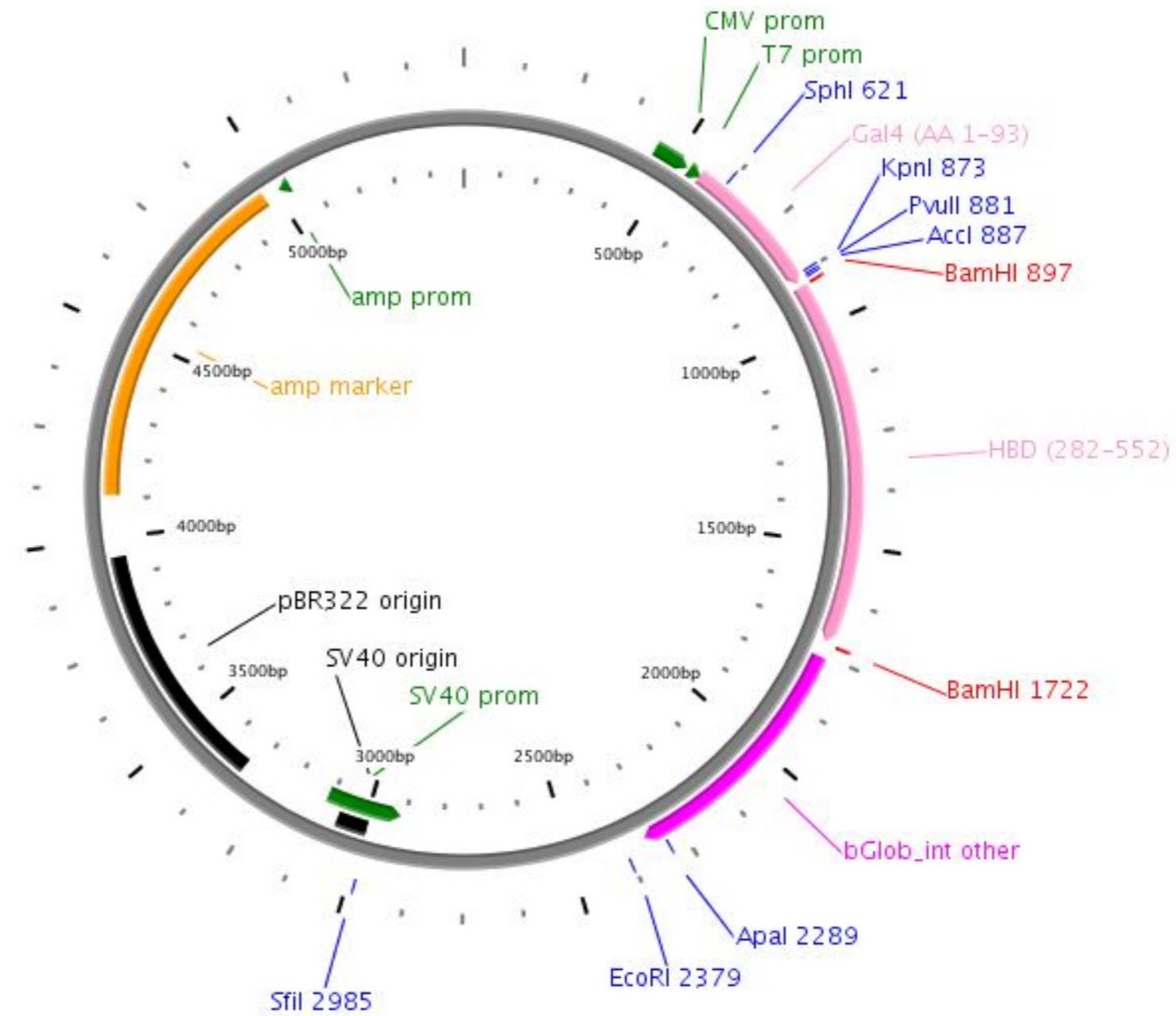
Inserts DNA binding domain + dimerization domain of GAL4 (AA 1-93) fused to hormone binding domain (HBD) of human estrogen receptor α (hER) (AA 282-552) with point mutation S464A. Lacks F domain.

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β-globin IVS2 and polyA

Comments - sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.6.09

Constructed by Lilia Bernasconi

Date constructed 05_2009

PLASMID NAME

Gal93.ER-E

bacterial marker Amp	parent vector Gal93.ER(G)
	bacterial plasmid
eucaryotic replicon SV40 ori	other relevant source constructs HEGO

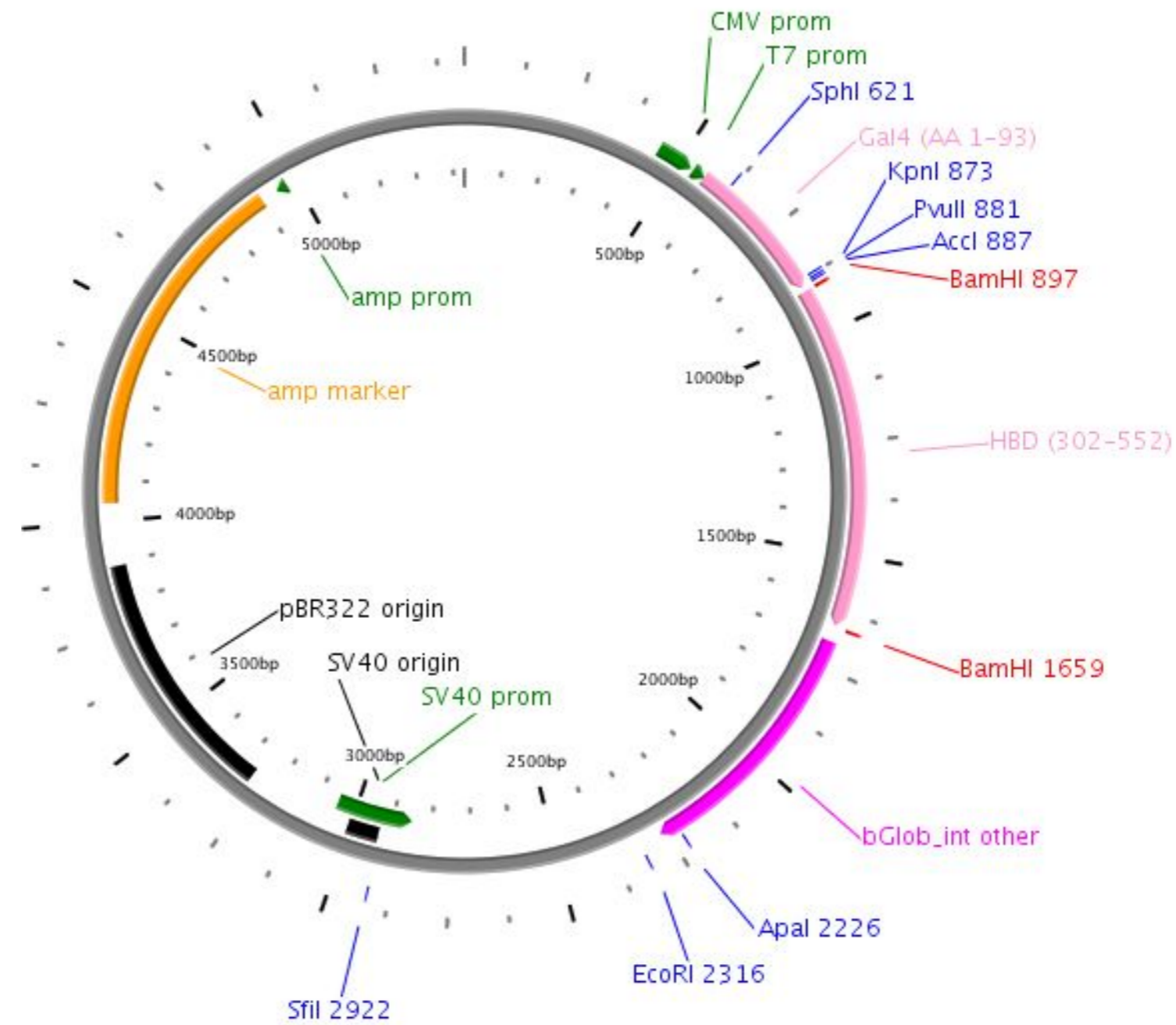
Inserts DNA binding domain + dimerization domain of GAL4 (AA 1-93) fused to the E domain of the human estrogen receptor α (hER) (AA 302-552).

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2 and polyA

Comments - sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.6.09

Constructed by Lilia Bernasconi

Date constructed 05_2009

PLASMID NAME

Gal93.ER-E(S464A)

bacterial marker Amp	parent vector Gal93.ER(G)
	bacterial plasmid
eucaryotic replicon SV40 ori	other relevant source constructs ERαS464A

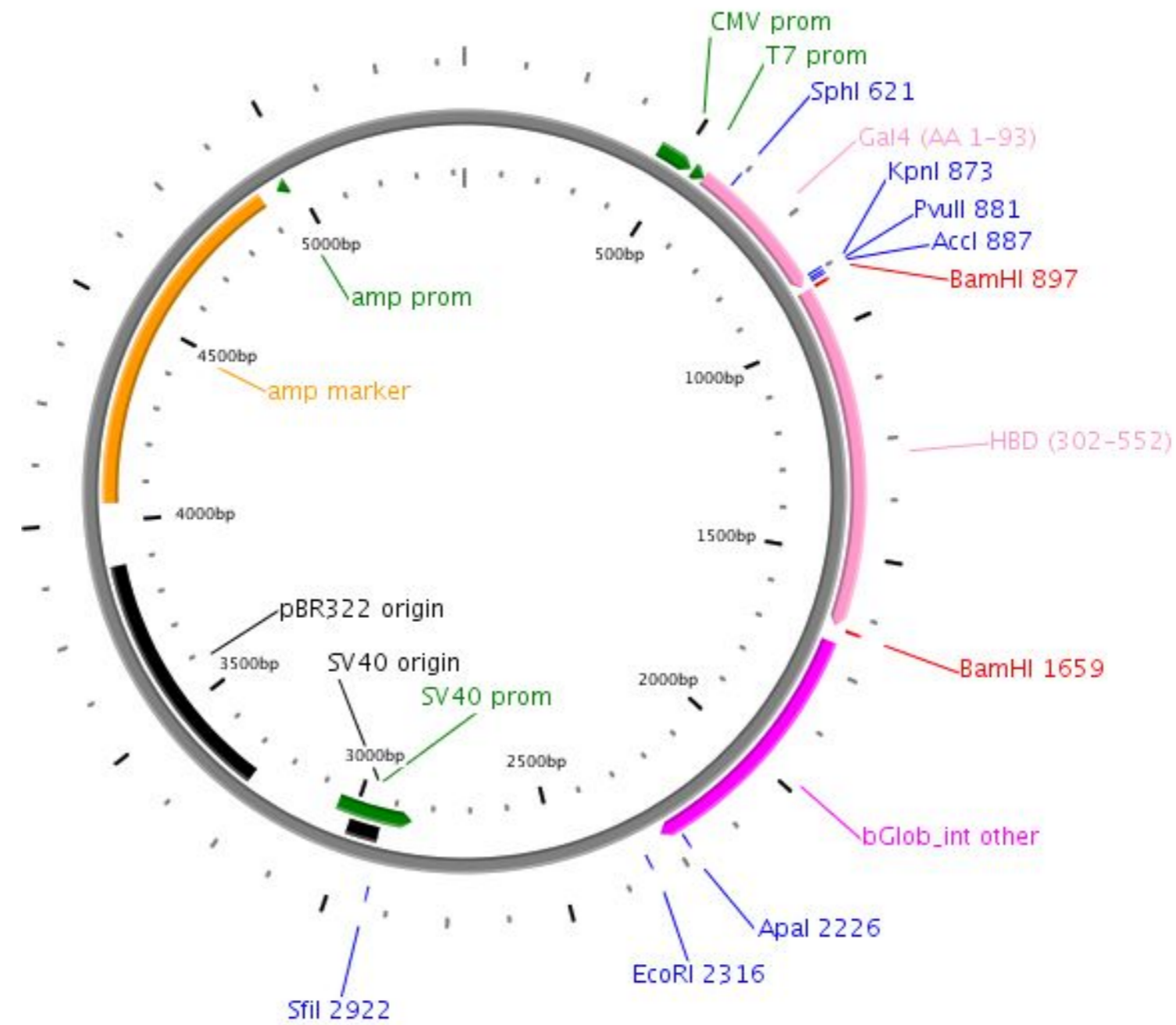
Inserts DNA binding domain + dimerization domain of GAL4 (AA 1-93) fused to the E domain of the human estrogen receptor α (hER) (AA 302-552). Contains mutation S464A.

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β-globin IVS2 and polyA

Comments - sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 2224

Date entered 3.6.09

Constructed by Lilia Bernasconi

Date constructed 05_2009

PLASMID NAME

Gal93.mER-E

bacterial marker Amp	parent vector Gal93.ER(G)
	bacterial plasmid
eucaryotic replicon SV40 ori	other relevant source constructs pSG/mERα

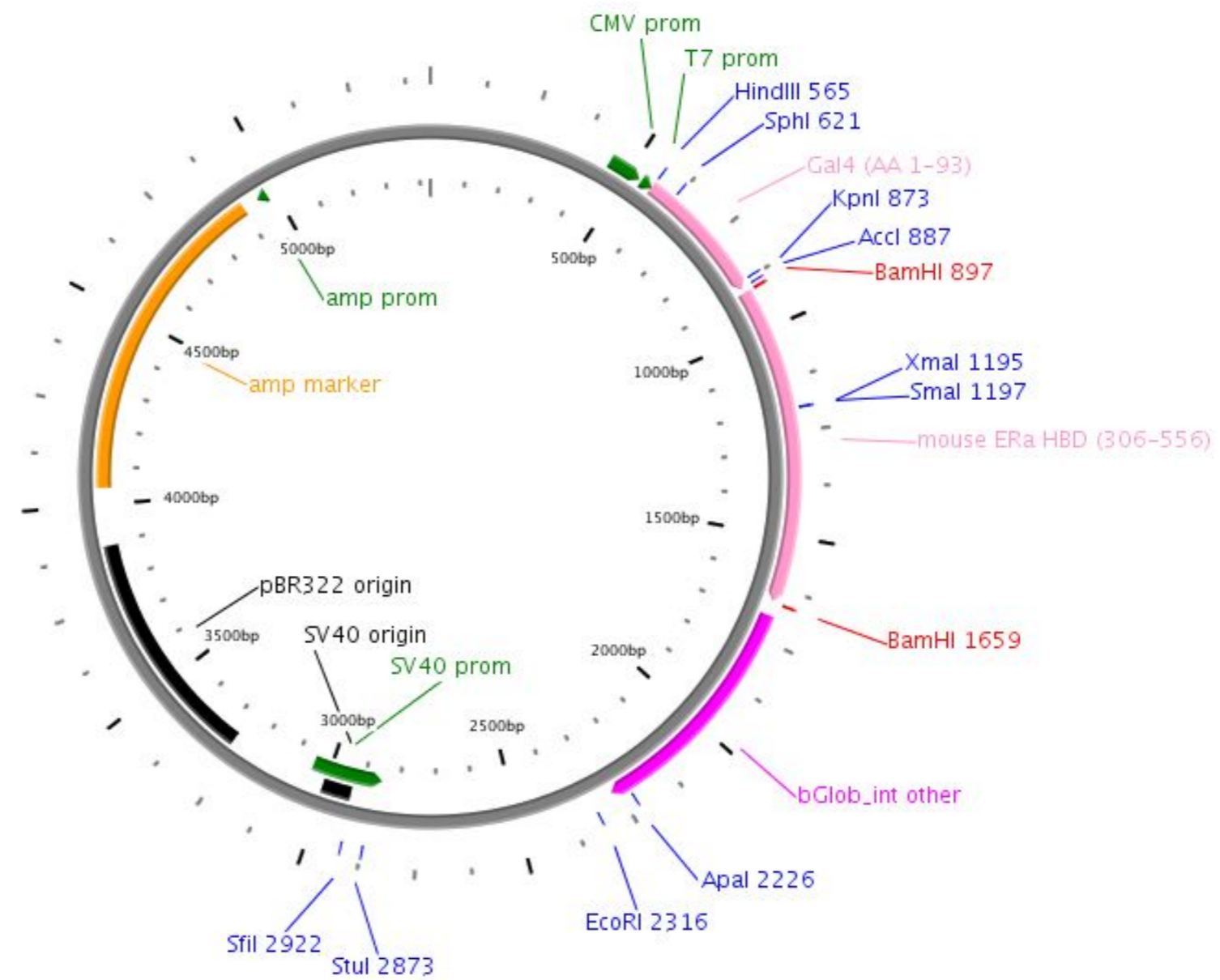
Inserts DNA binding domain + dimerization domain of GAL4 (AA 1-93) fused to the E domain of the mouse estrogen receptor α (mER) (AA 306-556).

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β-globin IVS2 and polyA

Comments - sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.6.09

Constructed by Lilia Bernasconi

Date constructed 05_2009

PLASMID NAME

Gal93.mER-E(S468A)

bacterial marker Amp	parent vector Gal93.ER(G) bacterial plasmid
eucaryotic replicon SV40 ori	other relevant source constructs pSG/mERαS468A

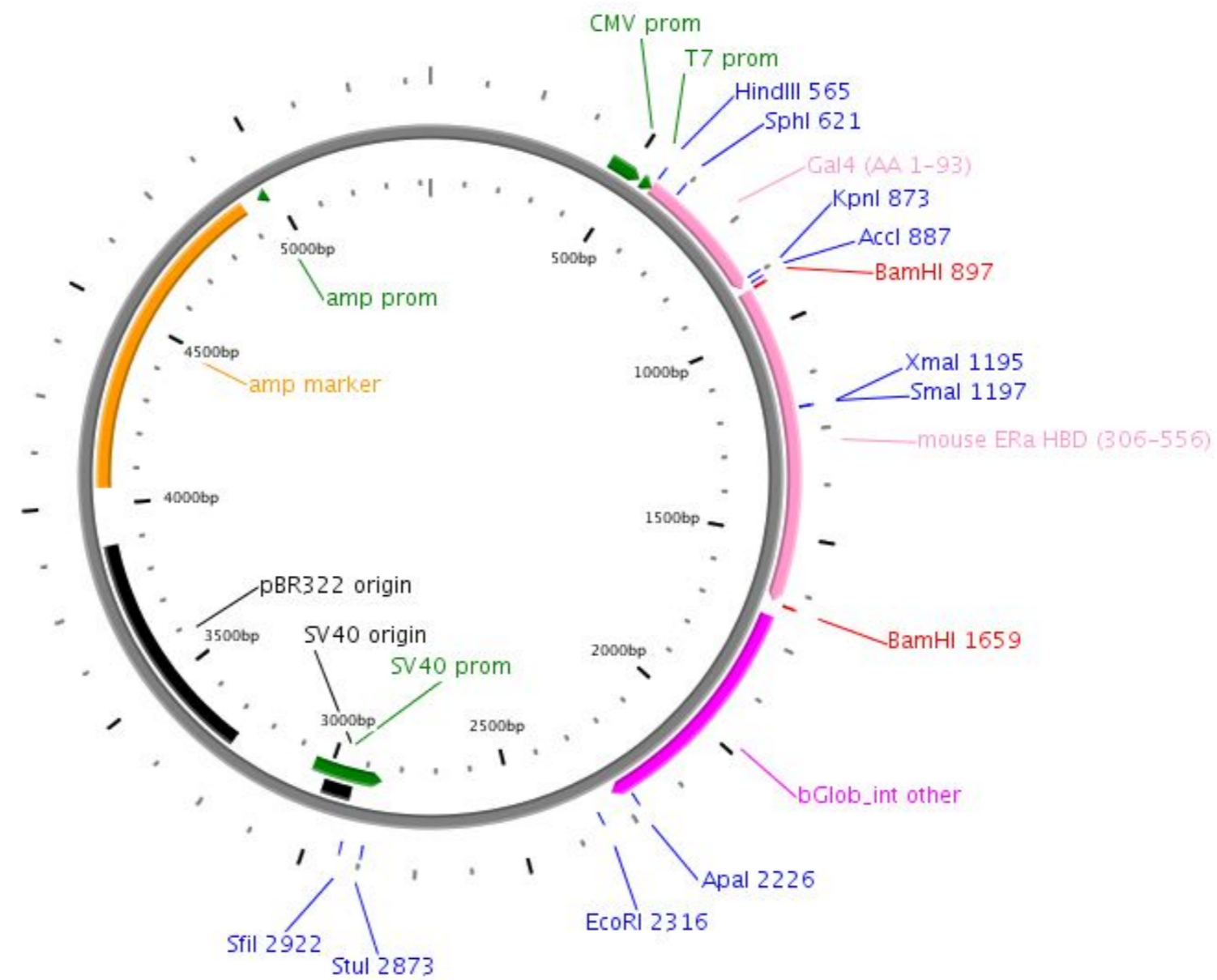
Inserts DNA binding domain + dimerization domain of GAL4 (AA 1-93) fused to the E domain of the mouse estrogen receptor α (mER) (AA 306-556).
With S468A mutation.

Reporter gene

Promoter, splice, PolyA
- CMV enhancer / promoter
- T7 RNA polymerase promoter
- rabbit β-globin IVS2 and polyA

Comments
- sequence available.
- Codons 464 to 470 are changed to ACATTTCTGAGCGCCACCCTG (several silent changes plus S468A).

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 2226

Date entered 11.6.09

Constructed by Laure Perret-Gentil

Date constructed 05.06.09

PLASMID NAME

p2U/LexA-Luc

bacterial marker Amp

parent vector

p2U/ERE-Luc

bacterial plasmid

yeast marker URA3

other relevant source constructs

pSH18-34

eukaryotic replicon 2 μ circle

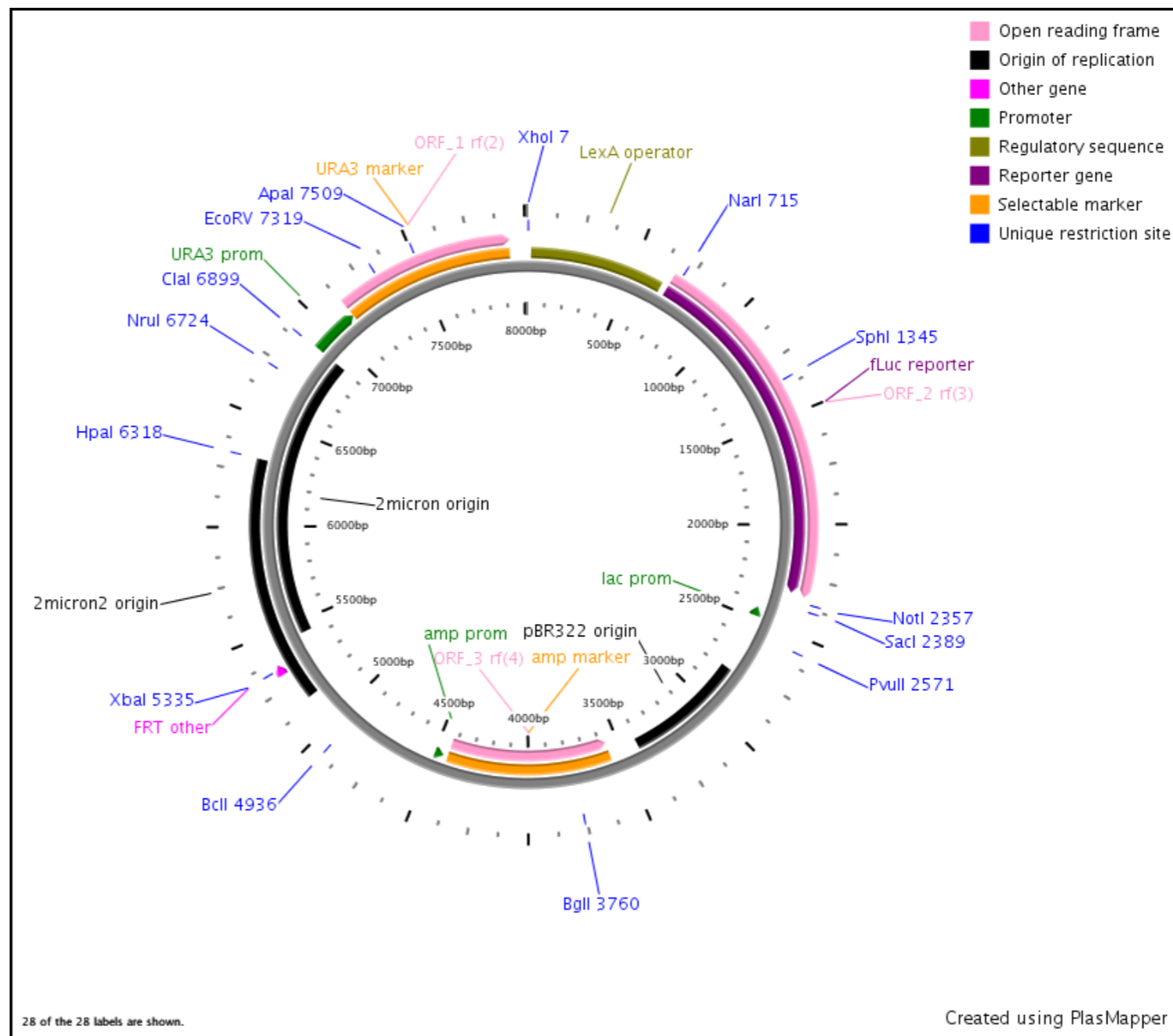
Inserts PCR of the 8 LexA operators upstream of GAL1 promoter (lacks UASg) using XX5 (insertion of XhoI restriction site) and SX3 (insertion of SacII restriction site) Oligos and pSH18-34 as a template.

Reporter gene luciferase

Promoter,
splice,
PolyA

Comments

Reference



Construct number

2227

Date entered

15.6.09

Constructed by

the unknown plasmid builder

Date constructed

PLASMID NAME

GFP

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts GFP

Reporter gene

Promoter,
splice,
PolyA T7

Comments - plasmid is for expression of GFP in bacteria, in particular for demo purposes.
- we have obtained it from the Martinou lab

Reference

Construct number

2228

Date entered

19.6.09

Constructed by

Dawid Walerych (Zylicz lab)

Date constructed

PLASMID NAME

CMV-p53 WT

bacterial marker Kan

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

pEYFP

bacterial plasmid

pUC

other relevant source constructs

Inserts wild-type p53 (coding region replaces EYFP coding sequence)

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - sequence available

Reference

Construct number

2229

Date entered

19.6.09

Constructed by

Dawid Walerych (Zylicz lab)

Date constructed

PLASMID NAME

CMV-p53 R249S

bacterial marker Kan

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

pEYFP

bacterial plasmid

pUC

other relevant source constructs

Inserts

R249S mutant p53 (coding region replaces EYFP coding sequence). This is an "oncogenic" "mild" structural mutant.

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - see CMV-p53 WT for sequence of plasmid with wild-type p53.

Reference

Construct number

2230

Date entered

19.6.09

Constructed by

Dawid Walerych (Zylicz lab)

Date constructed

PLASMID NAME

CMV-p53 V143A

bacterial marker Kan

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

pEYFP

bacterial plasmid

pUC

other relevant source constructs

Inserts

V143A mutant p53 (coding region replaces EYFP coding sequence). This is an "oncogenic" ts mutant.

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - see CMV-p53 WT for sequence of plasmid with wild-type p53.

Reference

Construct number

2231

Date entered

19.6.09

Constructed by

Dawid Walerych (Zylicz lab)

Date constructed

PLASMID NAME

CMV-p53 R175H

bacterial marker Kan

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

pEYFP

bacterial plasmid

pUC

other relevant source constructs

Inserts

R175H mutant p53 (coding region replaces EYFP coding sequence). This is an "oncogenic" mutant with severe structural changes.

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - see CMV-p53 WT for sequence of plasmid with wild-type p53.

Reference

Construct number

2232

Date entered

19.6.09

Constructed by

Dawid Walerych

Date constructed

PLASMID NAME

p21-Luc

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts firefly luciferase

Reporter gene luciferase

Promoter,
splice,
PolyA p21 promoter

Comments

Reference plasmid probably originally from M. Oren

DIDIER PICARD LAB, University of Geneva

Construct number
Constructed by Diana Wider

Date entered 26.6.09
Date constructed 06_2009

PLASMID NAME

pC1/EH.90β

<u>bacterial marker</u> Amp	<u>parent vector</u> pcDNA3.1(+)
<u>vertebrate marker</u> Neo (G418)	<u>bacterial plasmid</u> pUC
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u> pCherry.90β

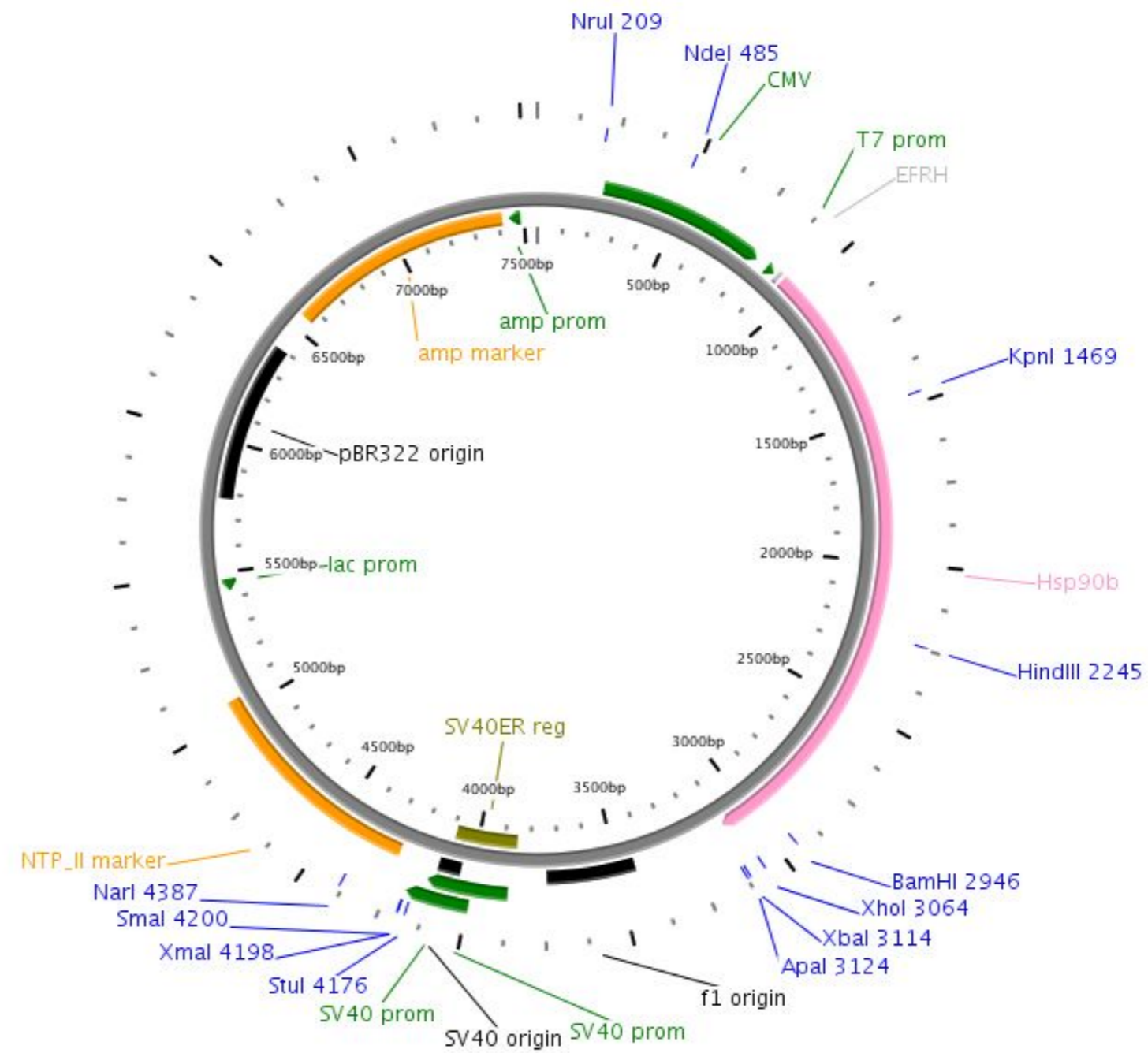
Inserts Epitope EFRH at N-terminus of human Hsp90β

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - T7
PolyA - BGH poly A sequence

Comments - sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Diana Wider

Date entered 26.6.09
 Date constructed 06_2009

PLASMID NAME

pC1/p23.VV

bacterial marker Amp	parent vector pcDNA3.1(+)
vertebrate marker Neo (G418)	bacterial plasmid pUC
eukaryotic replicon SV40 ori	other relevant source constructs

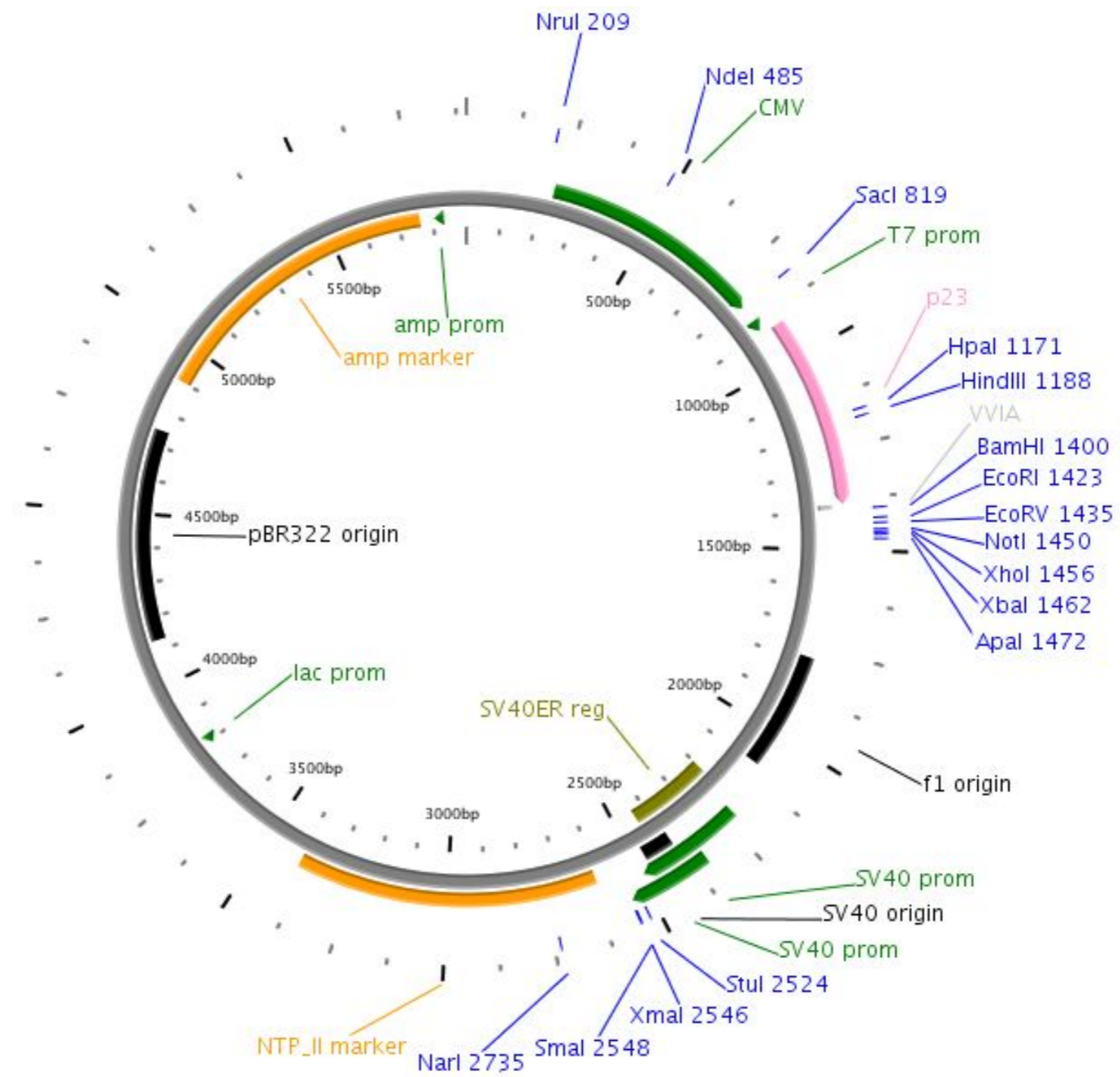
Inserts Epitope VVIA at C-terminus of human p23

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - T7
PolyA - BGH poly A sequence

Comments - sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Diana Wider

Date entered 26.6.09
 Date constructed 06_2009

PLASMID NAME

pC1/rGR.VV

bacterial marker Amp	parent vector pcDNA3.1(+)
vertebrate marker Neo (G418)	bacterial plasmid pUC
eukaryotic replicon SV40 ori	other relevant source constructs Flag.GR and intermediate clone

Inserts Epitope VVIA at C-terminus of rat GR

Reporter gene

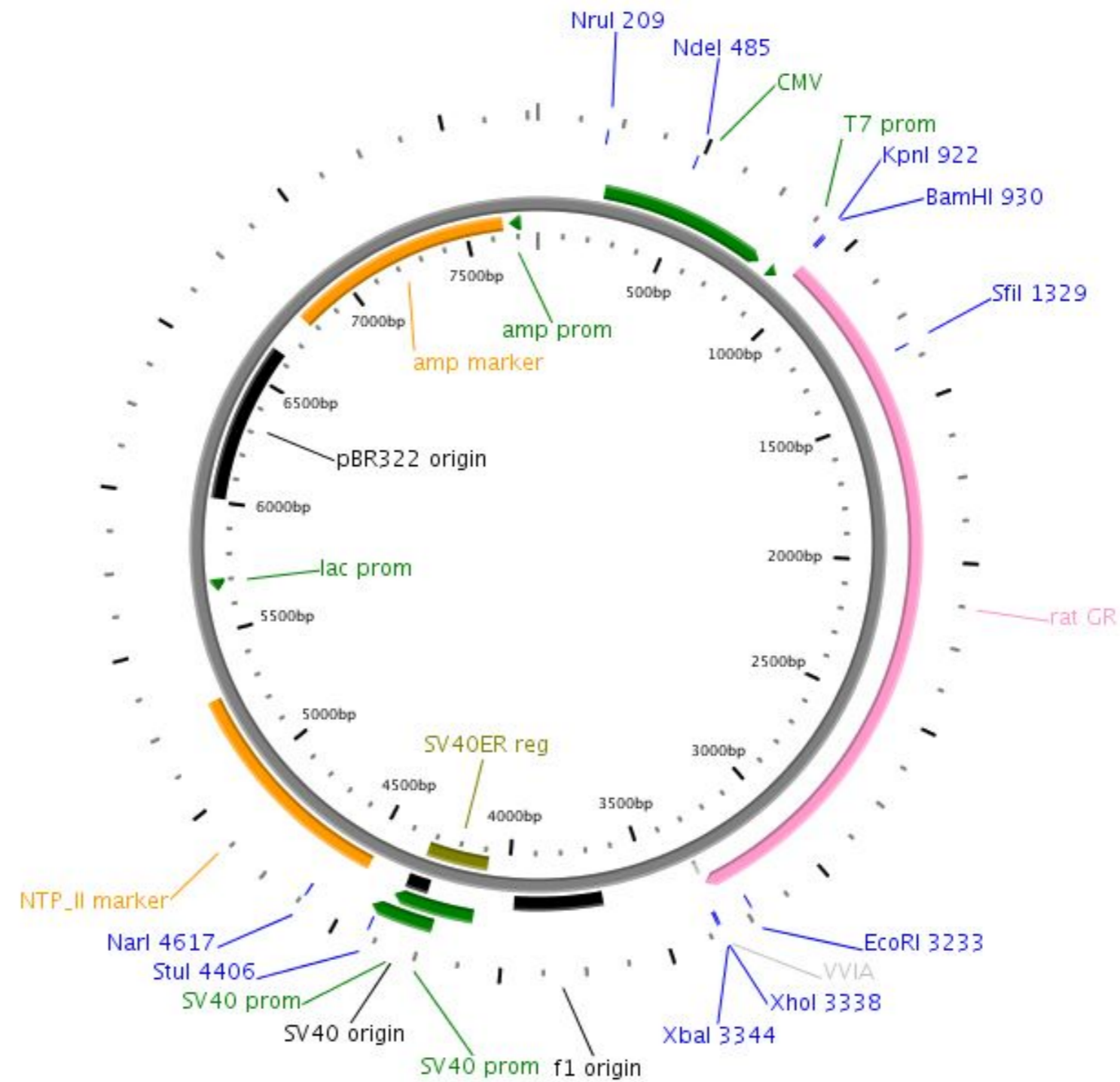
Promoter, splice, PolyA

- CMV enhancer/promoter
- T7
- BGH poly A sequence

Comments

- sequence available
- GR sequence present in clone, although perhaps not in sequence layout, has several errors: codon D236 is GAT; codon K275 is AGA (K275R) and E695K

Reference



Construct number 2236

Date entered 7.7.09

Constructed by Joachim Clos lab

Date constructed

PLASMID NAME

pJC45-LdHsp90

bacterial marker Amp

parent vector pJC45

bacterial plasmid pUC

other relevant source constructs

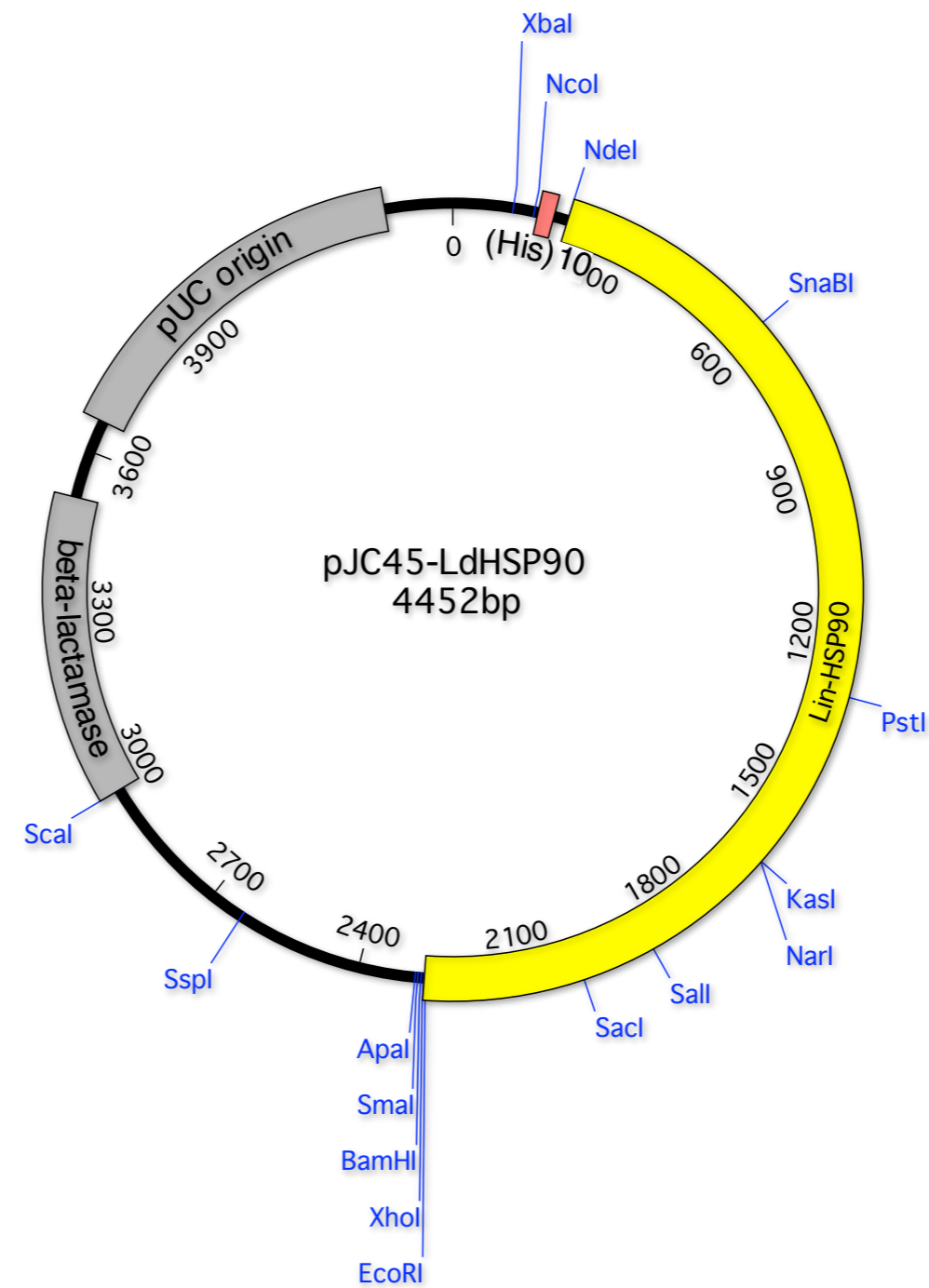
Inserts Leishmania donovani Hsp90

Reporter gene

Promoter, splice, PolyA

Comments - E. coli expression vector pJC45 is derived from pJC40. pJC40 has T7 promoter, His10 tag, factor Xa cleavage site (see map of pJC40 at Addgene.org).
- sequence available (note that sequence is from L. infantum genome project and that L. infantum and L. donovani are 99% identical).

Reference



Construct number

2237

Date entered

21.7.09

Constructed by

Joachim Clos lab

Date constructed

PLASMID NAME

pJC45-LdHsp90

bacterial marker Amp

parent vector

pJC45

bacterial plasmid

pUC

other relevant source constructs

Inserts

Leishmania donovani Hsp90

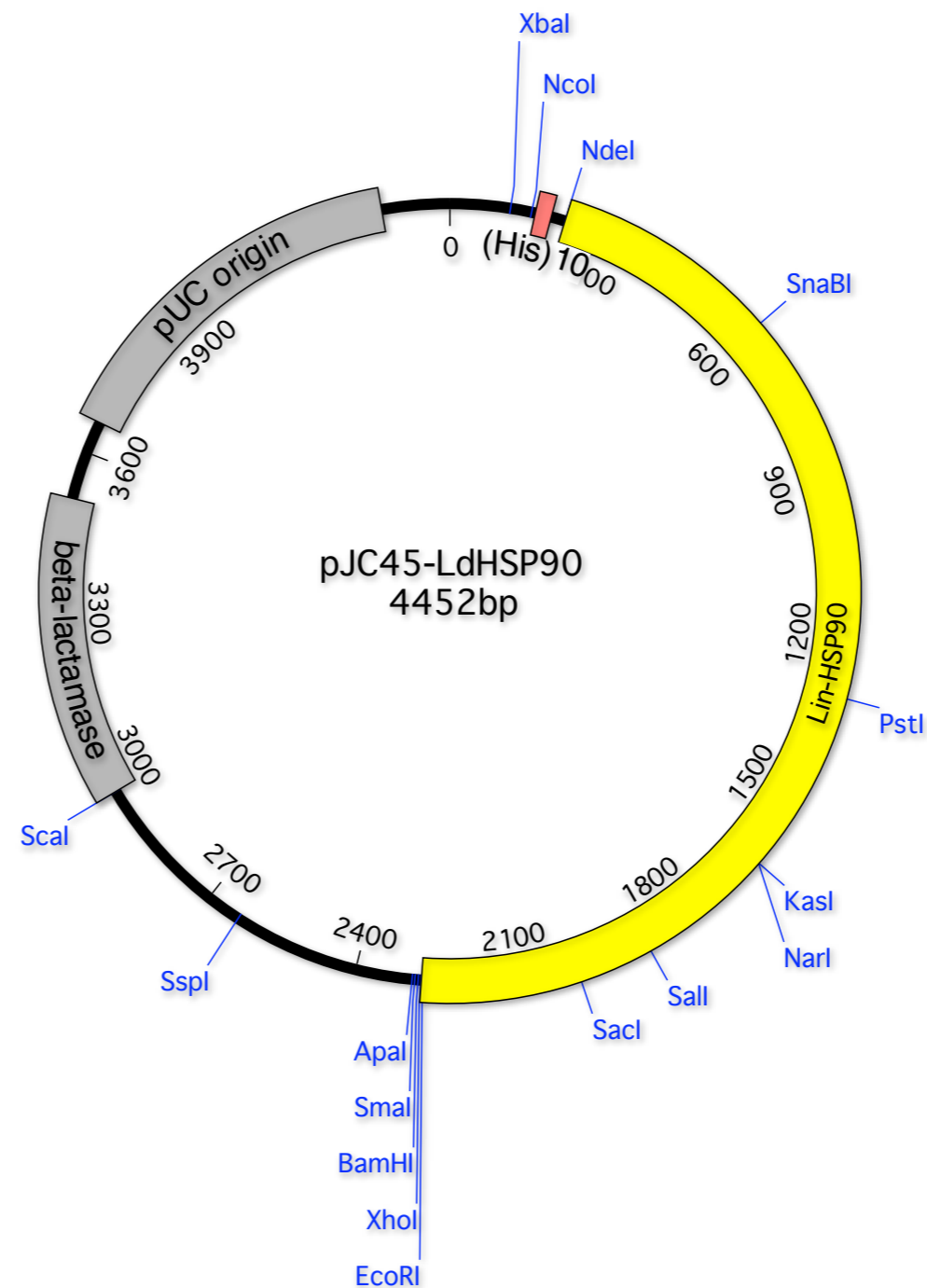
Reporter gene

Promoter,
splice,
PolyA

Comments

- E. coli expression vector pJC45 is derived from pJC40. pJC40 has T7 promoter, His10 tag, factor Xa cleavage site (see map of pJC40 at Addgene.org).
- sequence available (note that sequence is from L. infantum genome project and that L. infantum and L. donovani are 99% identical).

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 19.8.09

Constructed by Pablo Echeverria

Date constructed 7.08.2009

PLASMID NAME

p3xFLAG/mAha2

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector
p3xFLAG/MCS
bacterial plasmid
pBR322

other relevant source constructs
-

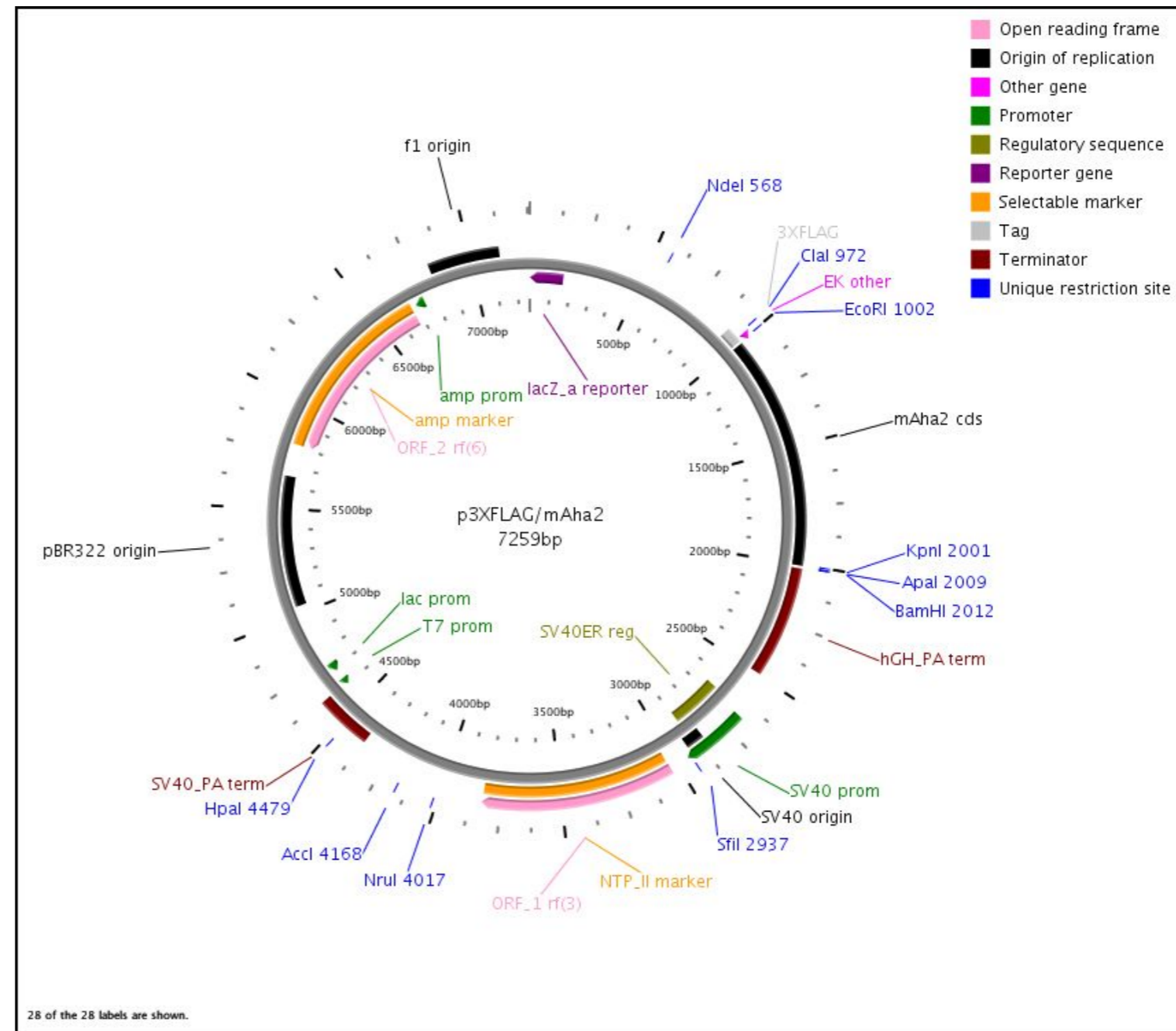
Inserts The complete coding region of mouse Aha2 gene inserted between EcoRI and KpnI sites.

Reporter gene

Promoter,
splice,
PolyA

Comments sequence is available

Reference Expression confirmed with Western.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 19.8.09

Constructed by Pablo Echeverria

Date constructed 30.07.09

PLASMID NAME

pJet1.2/mAha2

bacterial marker Amp

parent vector

pJet1.2

bacterial plasmid

pBR322

other relevant source constructs

Inserts

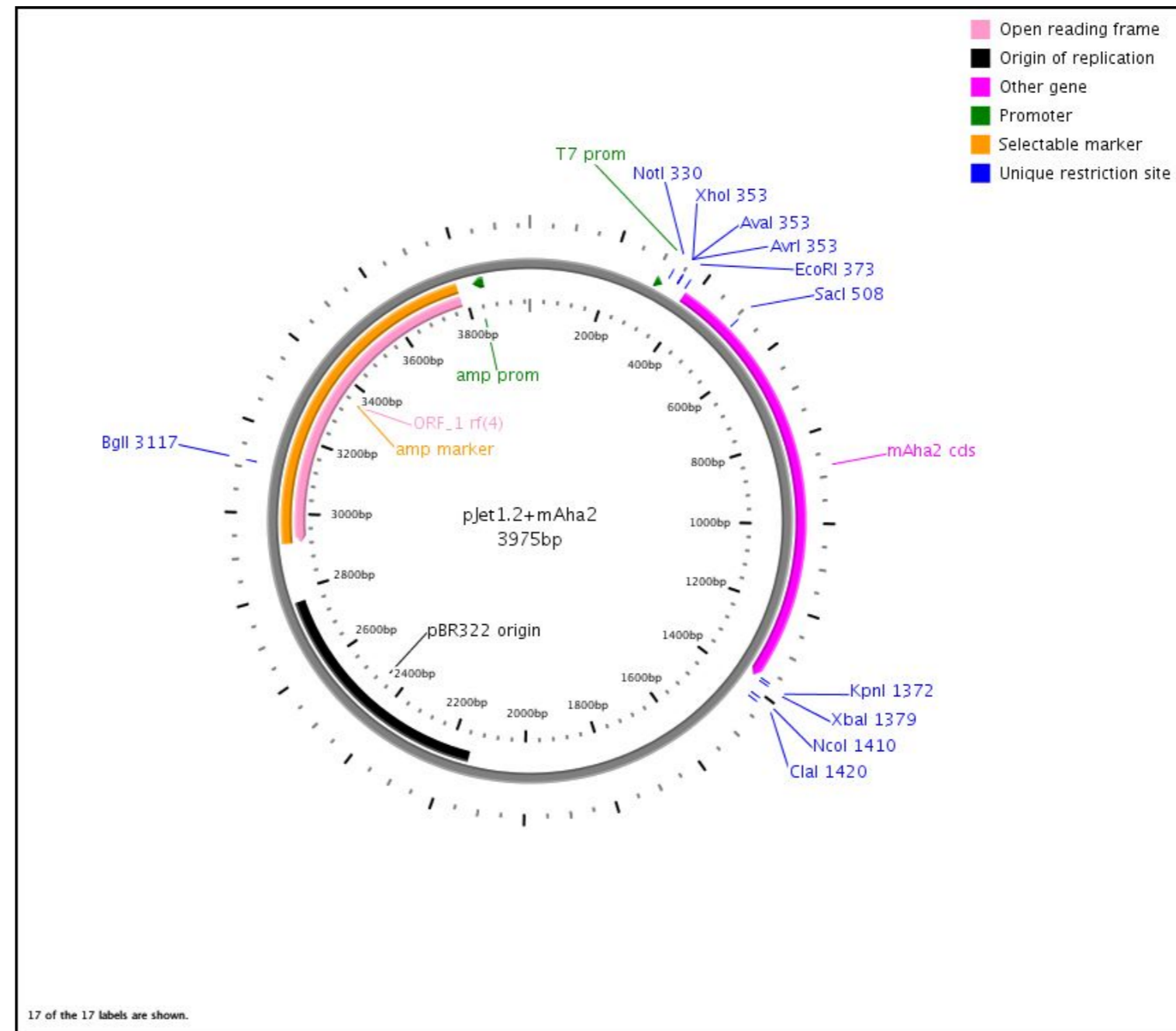
Complete coding sequence for mouse Aha2 gene inserted in pJet1.2 vector. The fragment is flanked by EcoRI and KpnI sites

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 19.8.09

Constructed by Pablo Echeverria

Date constructed

PLASMID NAME

pAMP1/hAha2

bacterial marker Amp

parent vector

pAMP1

bacterial plasmid

pBR322

other relevant source constructs

Inserts

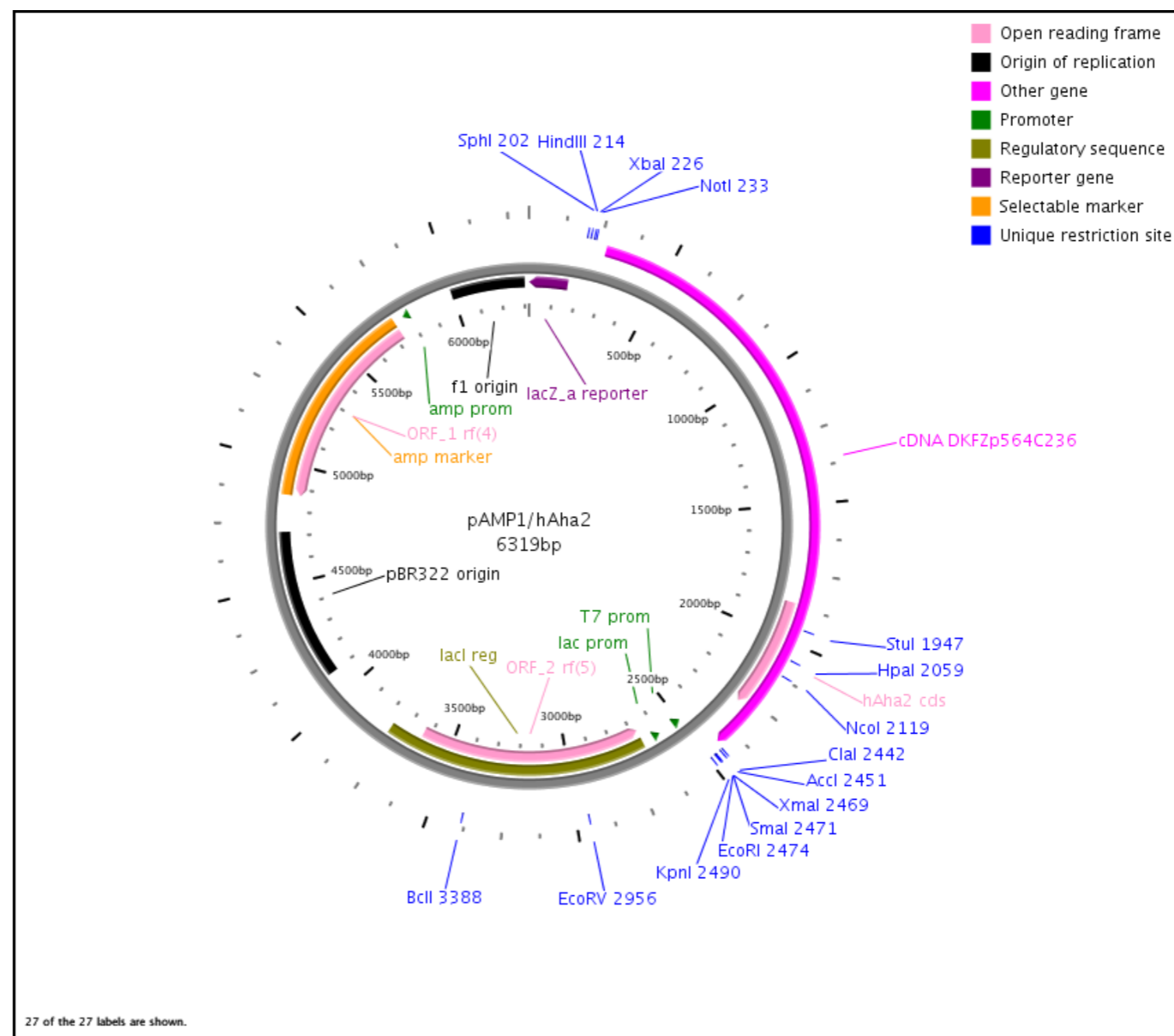
This plasmid contains the cDNA DKFZp564C236 which contains the complete coding sequence for the human Aha2 gene. Compared with its homolog in mouse and Aha1 homologs, this gene seems to be truncated, coding only for a protein of 137 aa.

Reporter gene

Promoter,
splice,
PolyA

Comments sequences available.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 21.8.09

Constructed by Deo & Marcela

Date constructed May 2006

PLASMID NAME

pBS.GR_3'UTR

bacterial marker Amp

parent vector

Bluescript (+)

bacterial plasmid

other relevant source constructs

pfGH.3'UTR, BS(+)

Inserts

3'UTR of hGR was amplified with *speI* site at both end using PCR and then, ligated into BS(+) also cut with *speI*. Expected band sizes after cutting this vector with *speI* is 3 and 4kb (4 kb is insert).

Reporter gene

Promoter,
splice,
PolyA

Comments This is kind of parent vector for GR 3'UTR in our lab. Insert seq and primers are in seq. pane.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 21.8.09

Constructed by Deo & Marcela

Date constructed July 09

PLASMID NAME

pGL3.GR_UTR

bacterial marker Amp

parent vector
1876

bacterial plasmid

other relevant source constructs
pGL3-CMV.luc, pBS.GR_UTR

Inserts Full Length 3'UTR of hGR was cut from pBS.GR_UTR(2241) using *SpeI* and ligated into pGL3-CMV.luc at the *XbaI* site.

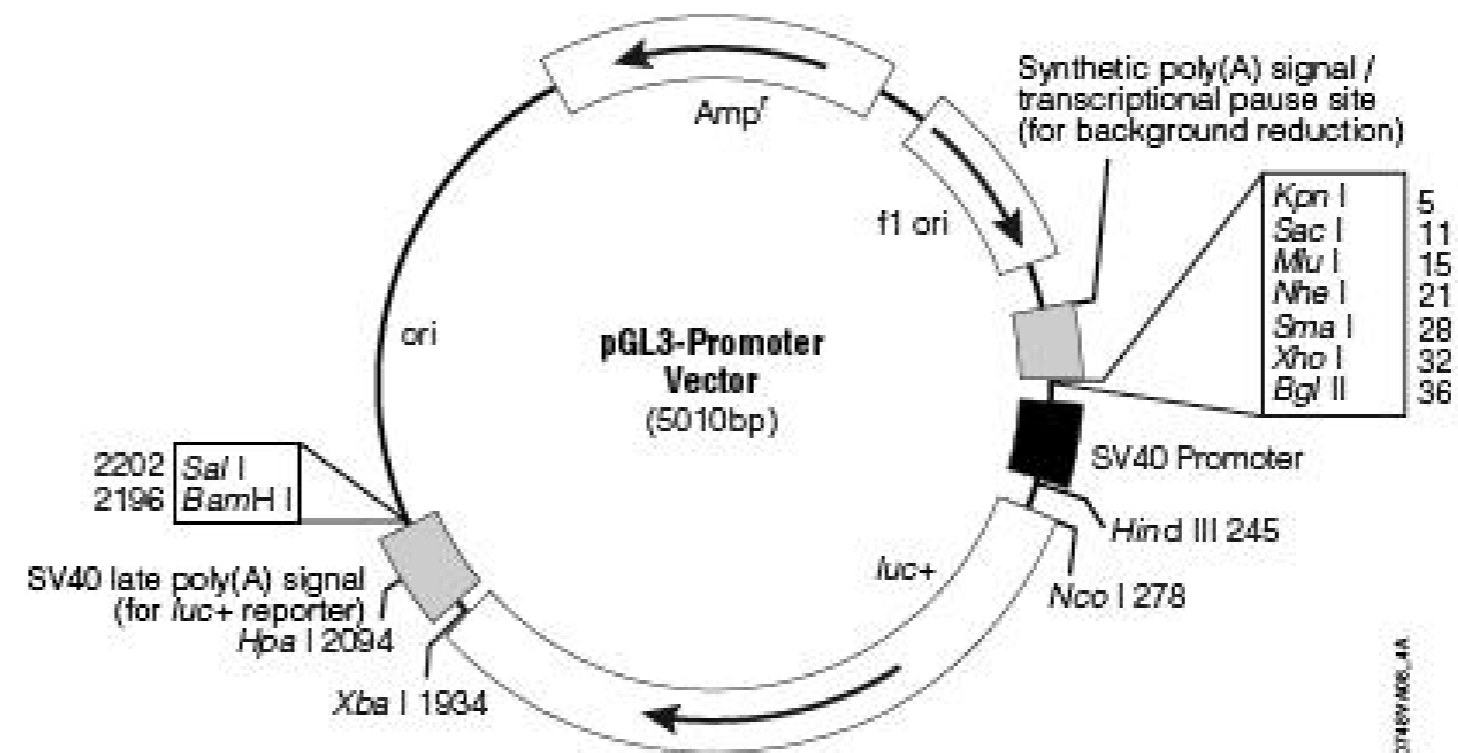
Reporter gene

Promoter, splice, PolyA
CMV

Comments Please note that *XbaI* site is destroyed.

Sequence as well as primers are available, check 2241.

Reference



Construct number

2243

Date entered

24.8.09

Constructed by

Sophie Carascossa

Date constructed

PLASMID NAME

Gal93.ER(G) Δ F

bacterial marker Amp

parent vector

Gal93.ER(G)

bacterial plasmid

other relevant source constructs

eukaryotic replicon SV40 ori

Inserts

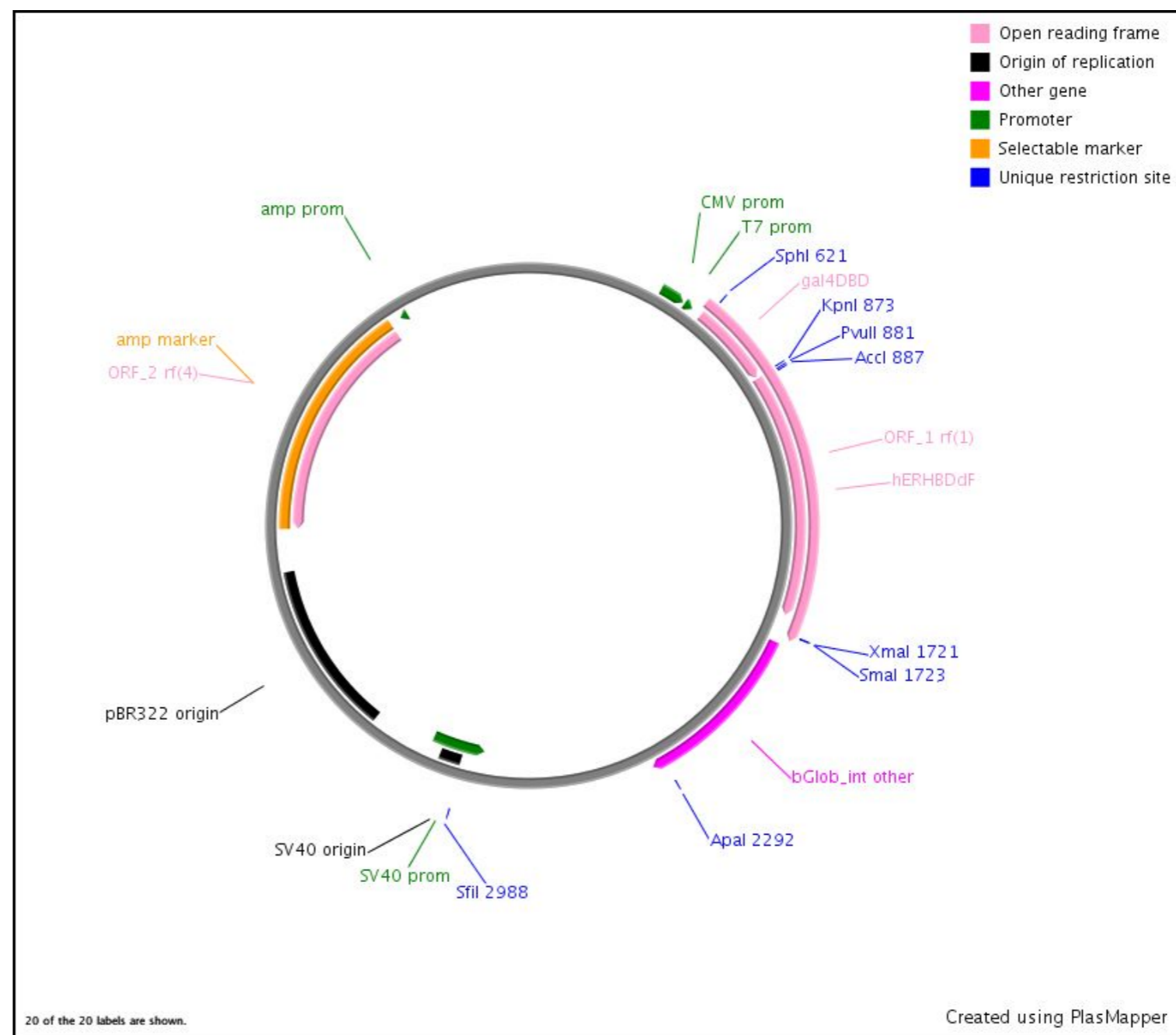
DNA binding domain + dimerization domain of GAL4 (AA 1-93) fused to hormone binding domain (HBD) of human estrogen receptor (hER) lacking the F domain (AA 282-549). Made from plasmid Gal93.ER(G) by reinserting a PCR-generated BamHI fragment lacking the coding sequences for the F domain

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2 and polyA

Comments

Reference



Construct number

2244

Date entered

24.8.09

Constructed by

Sophie Carascossa

Date constructed

PLASMID NAME

Gal93.mER

bacterial marker Amp

parent vector

Gal93.ER(G)

bacterial plasmid

other relevant source constructs

pSG/mER α

SV40 ori

Inserts

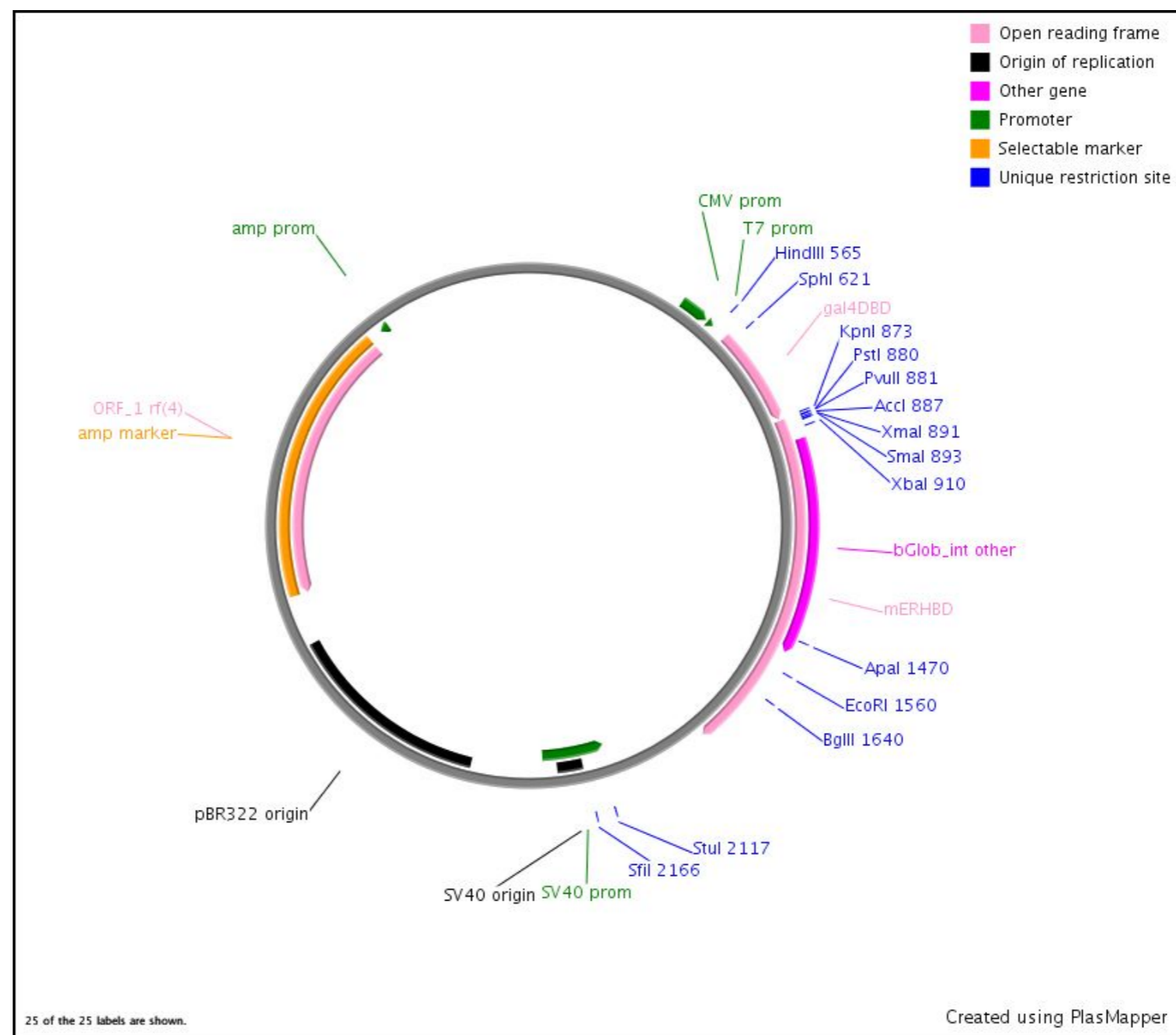
DNA binding domain + dimerization domain of GAL4 (AA 1-93) fused to hormone binding domain (HBD) of mouse estrogen receptor (AA 285-600).

Reporter gene

Promoter, - CMV enhancer / promoter
splice, - T7 RNA polymerase promoter
PolyA - rabbit β -globin IVS2 and polyA

Comments

Reference



Construct number

2245

Date entered

14.9.09

Constructed by

Peter Mark (entered by Rudi)

Date constructed

PLASMID NAME

pCMV6/FLAG-hCyP40

bacterial marker

Amp

parent vector

pCMV6

bacterial plasmid

other relevant source constructs

Inserts

Kozak sequence + FLAG + wildtype human CyP40 cDNA inserted into pCMV6 (GenBank AF239250) with HindIII and SmaI.

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments

From Tom Ratajczak, Perth, Australia

Reference

Construct number

2246

Date entered

14.9.09

Constructed by

Peter Mark (entered by Rudi)

Date constructed

PLASMID NAME

pCMV6/FLAG-C-TPR

bacterial marker Amp

parent vector

pCMV6

bacterial plasmid

other relevant source constructs

Inserts

Kozak sequence + FLAG + C-terminal half of human CyP40, encoding TPR domain, cloned into pCMV6 with HindIII and SmaI

Reporter gene

Promoter,
splice,
PolyA CMV

Comments

From Tom Ratajczak, Perth, Australia

Reference

Construct number

2247

Date entered

14.9.09

Constructed by

Fabio (entered by Rudi)

Date constructed

PLASMID NAME

pCR3.V64/Met-FLAG-RIP1

bacterial marker Amp

parent vector
pCR3.V64/Met-FLAG
bacterial plasmid

other relevant source constructs

Inserts

Wildtype human RIP1 kinase cDNA inserted downstream of FLAG with EcoR1

Reporter gene

Promoter,
splice,
PolyA CMV

Comments Received from Jurg Tschopp, Univ. of Lausanne

Reference

Construct number

2248

Date entered

14.9.09

Constructed by

Carmel Cluning

Date constructed

PLASMID NAME

pSuperior.retro.neo+gfp/CyP40-Scr

bacterial marker Amp

parent vector

pSuperior.retro.neo+gfp

bacterial plasmid

other relevant source constructs

Inserts

scrambled sequence of CyP40-2 target sequence inserted as inverted repeats, for negative control of CyP40 knockdown.

Reporter gene

Promoter,
splice,
PolyA PGK

Comments from Tom Ratajczak, Perth, Australia

Reference see thesis of Carmel Cluning

Construct number

2249

Date entered

14.9.09

Constructed by

Carmel Cluning

Date constructed

PLASMID NAME

pSuperior.retro.neo+gfp/CyP40-2

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

CyP40 target sequence inserted as inverted repeats for knockdown of CyP40 in cells

Reporter gene

Promoter,
splice,
PolyA

PGK

Comments

from Tom Ratajczak, Perth, Australia

Reference

see thesis of Carmel Cluning

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.9.09

Constructed by Marie Maxit

Date constructed 19.06.09

PLASMID NAME

p2LG_Cyp7B1

bacterial marker Amp

parent vector

p2LG

bacterial plasmid

yeast marker LEU2

other relevant source constructs

pCMV-Cyp7B1

eukaryotic replicon 2 μ circle

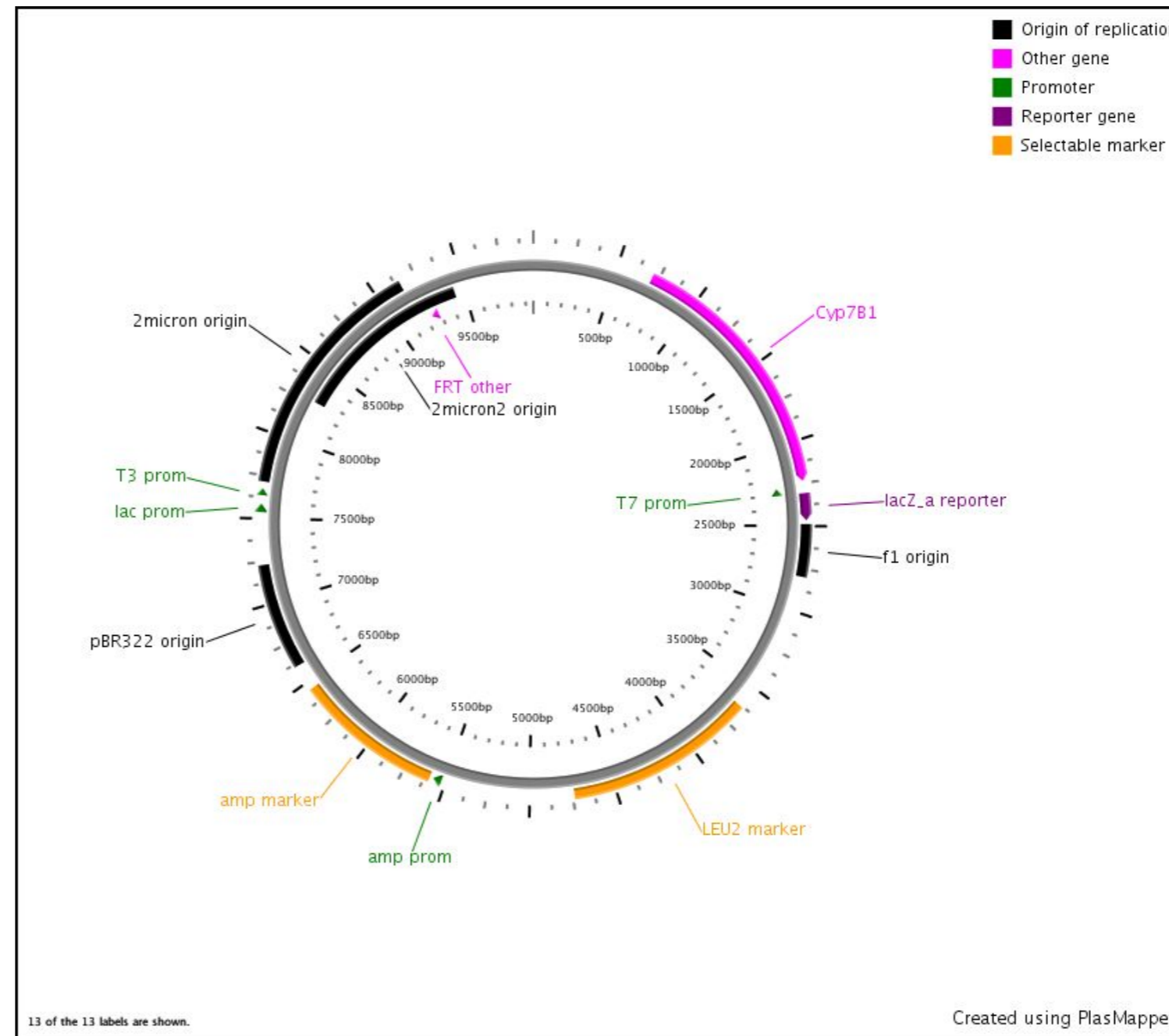
Inserts human Cyp7B1 (oxysterol 7 alpha-hydroxylase) inserted in p2LG vector

Reporter gene

Promoter, splice, PolyA GPD

Comments Sequence available

Reference



Construct number

2251

Date entered

30.9.09

Constructed by

Hu Chang-Deng

Date constructed

PLASMID NAME

pFLAG-VN173

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts N-terminal fragment of Venus with a flag tag.

Reporter gene

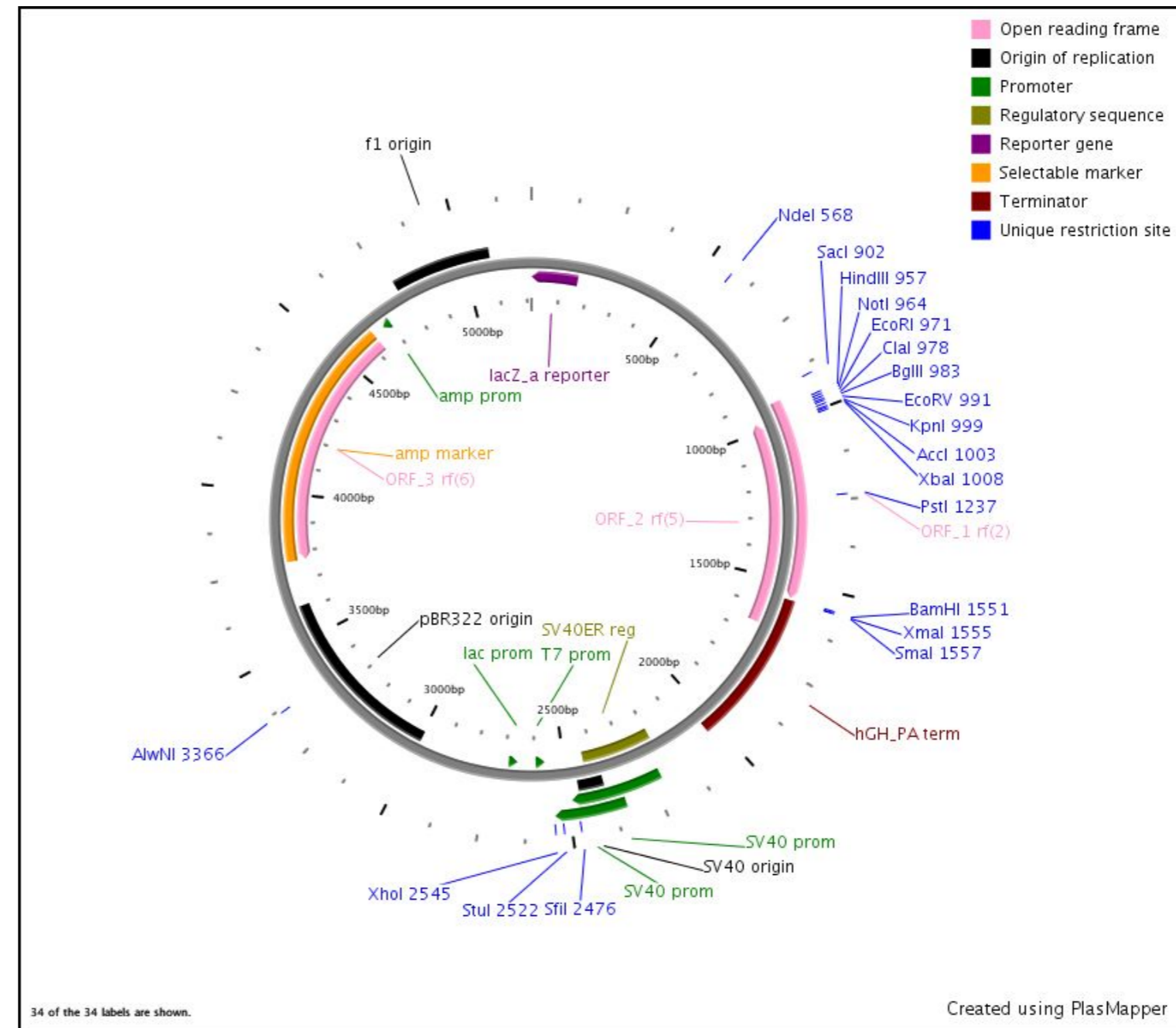
Promoter,
splice,
PolyA

Comments Used for BiFC technique

A pdf file with the complete sequence is available in the file "maps"

Reference

Shyu, Y., Liu, H., Deng, X., and Hu, C.-D. Identification of new fluorescent fragments for BiFC analysis under physiological conditions. *BioTechniques*, 40:61-66 (2006).



Construct number 2252

Date entered 30.9.09

Constructed by Hu Chang-Deng

Date constructed

PLASMID NAME

pHA-VC155

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

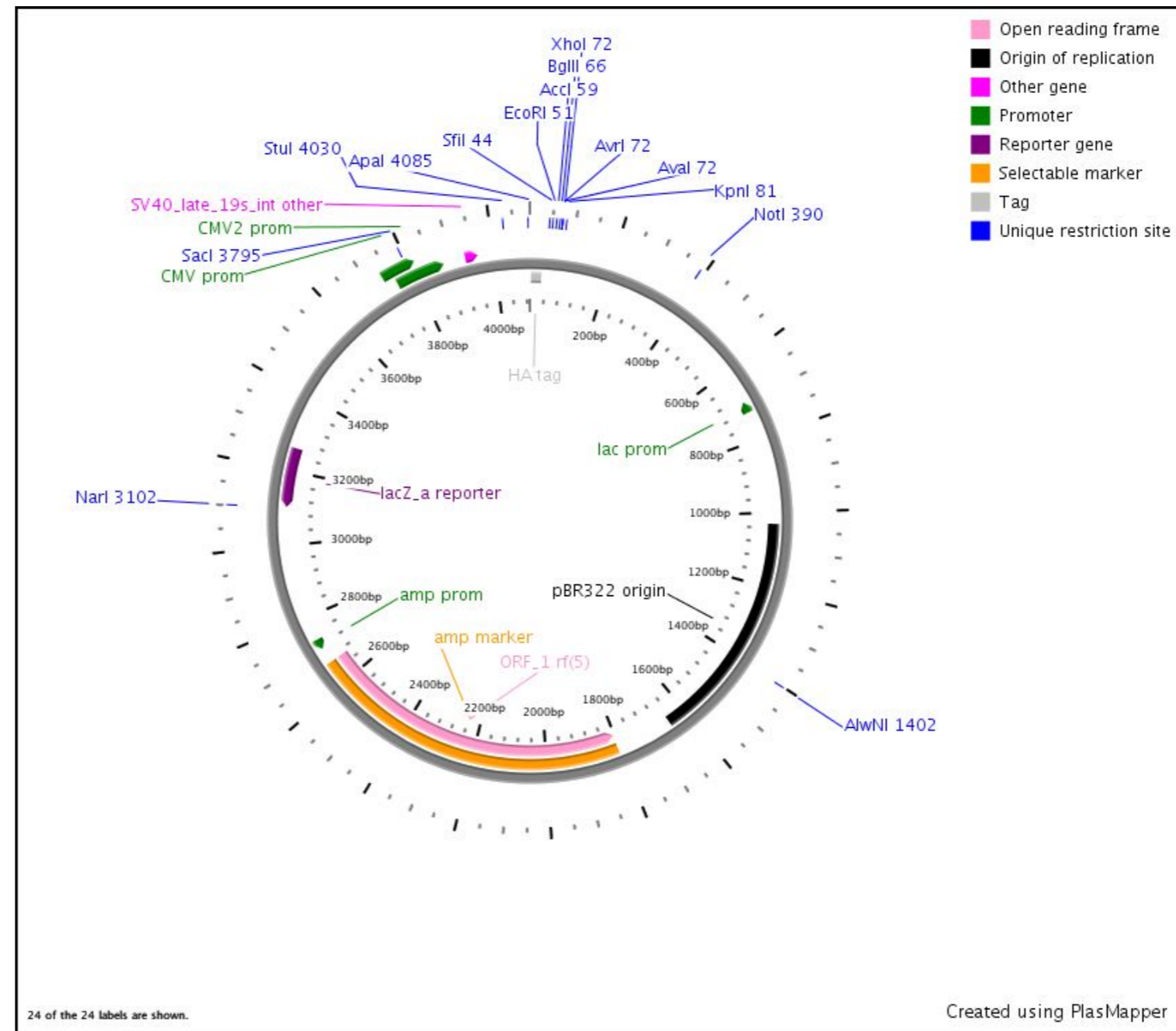
Inserts C-terminal fragment of Venus with a HA tag.

Reporter gene

Promoter, splice, PolyA

Comments Used for BiFC technique
A pdf file with the complete sequence is available in the file "maps"

Reference Shyu, Y., Liu, H., Deng, X., and Hu, C.-D. Identification of new fluorescent fragments for BiFC analysis under physiological conditions. BioTechniques, 40:61-66 (2006).



Construct number 2253

Date entered 30.9.09

Constructed by Hu Chang-Deng

Date constructed

PLASMID NAME

pFlag-bJun-VN173

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

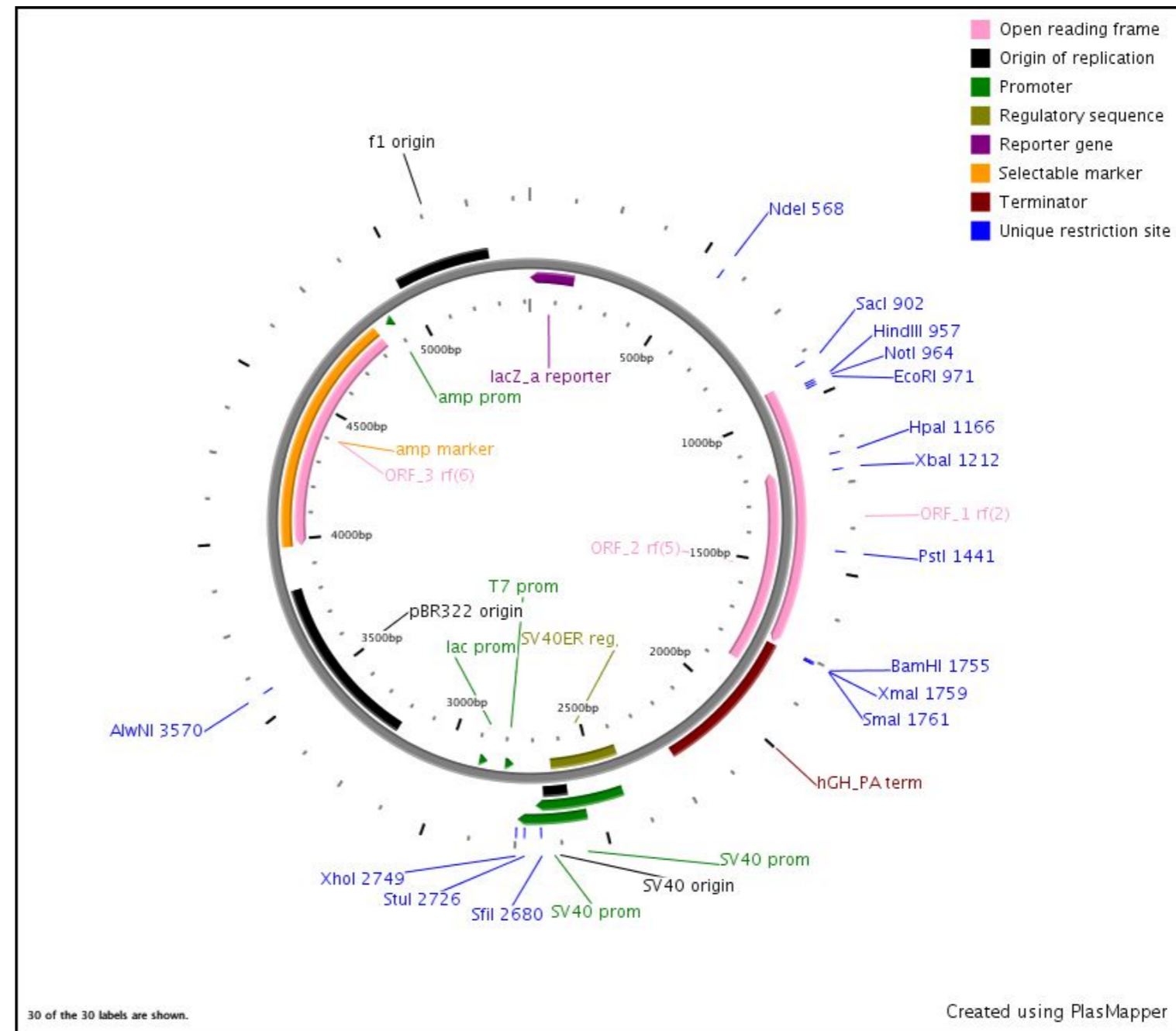
Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments Used for BiFC technique
A pdf file with the complete sequence is available in the file "maps"

Reference Shyu, Y., Liu, H., Deng, X., and Hu, C.-D. Identification of new fluorescent fragments for BiFC analysis under physiological conditions. *BioTechniques*, 40:61-66 (2006).



Construct number

2254

Date entered

30.9.09

Constructed by

Hu Chang-Deng

Date constructed

PLASMID NAME

pHA-bFos-VC155

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments Used for BiFC technique

Reference Shyu, Y., Liu, H., Deng, X., and Hu, C.-D. Identification of new fluorescent fragments for BiFC analysis under physiological conditions. *BioTechniques*, 40:61-66 (2006).

Construct number

2255

Date entered

30.9.09

Constructed by

Hu Chang-Deng

Date constructed

PLASMID NAME

pBiFC-Cerulean N173

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments Used for BiFC technique

Reference Shyu, Y., Liu, H., Deng, X., and Hu, C.-D. Identification of new fluorescent fragments for BiFC analysis under physiological conditions. *BioTechniques*, 40:61-66 (2006).

Construct number

2256

Date entered

30.9.09

Constructed by

Hu Chang-Deng

Date constructed

PLASMID NAME

pBiFC-CC155

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments Used for BiFC technique

Reference Shyu, Y., Liu, H., Deng, X., and Hu, C.-D. Identification of new fluorescent fragments for BiFC analysis under physiological conditions. *BioTechniques*, 40:61-66 (2006).

Construct number

2257

Date entered

30.9.09

Constructed by

Hu Chang-Deng

Date constructed

PLASMID NAME

pHA-bFos-Mutant

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments Used for BiFC technique

Reference Shyu, Y., Liu, H., Deng, X., and Hu, C.-D. Identification of new fluorescent fragments for BiFC analysis under physiological conditions. *BioTechniques*, 40:61-66 (2006).

DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Marie Maxit

Date entered 30.9.09
 Date constructed 16.03.07

PLASMID NAME

PFlag-ERaHBD-VN173

bacterial marker Amp

parent vector
 pFLAG-VN173
 bacterial plasmid

other relevant source constructs

Inserts ERa HBD inserted in pFLAG-VN173 vector

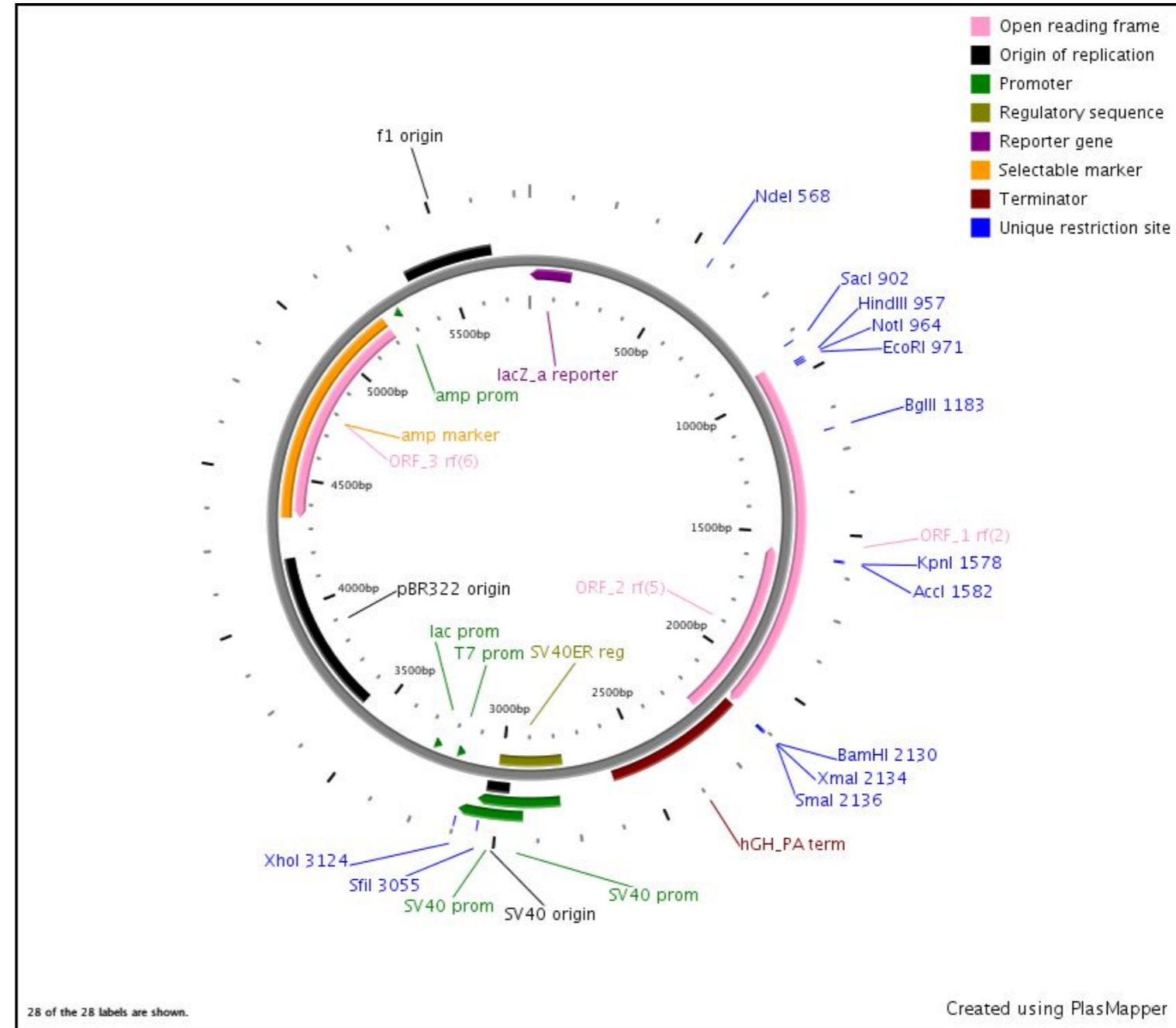
NOTE THAT THIS CONSTRUCT LACKS ROUGHLY THE FIRST 50 AAs OF THE HBD

Reporter gene

Promoter,
 splice,
 PolyA

Comments sequence available
 Used for BiFC technique

Reference Shyu, Y., Liu, H., Deng, X., and Hu, C.-D. Identification of new fluorescent fragments for BiFC analysis under physiological conditions. *BioTechniques*, 40:61-66 (2006).



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Marie Maxit

Date entered 30.9.09
 Date constructed

PLASMID NAME

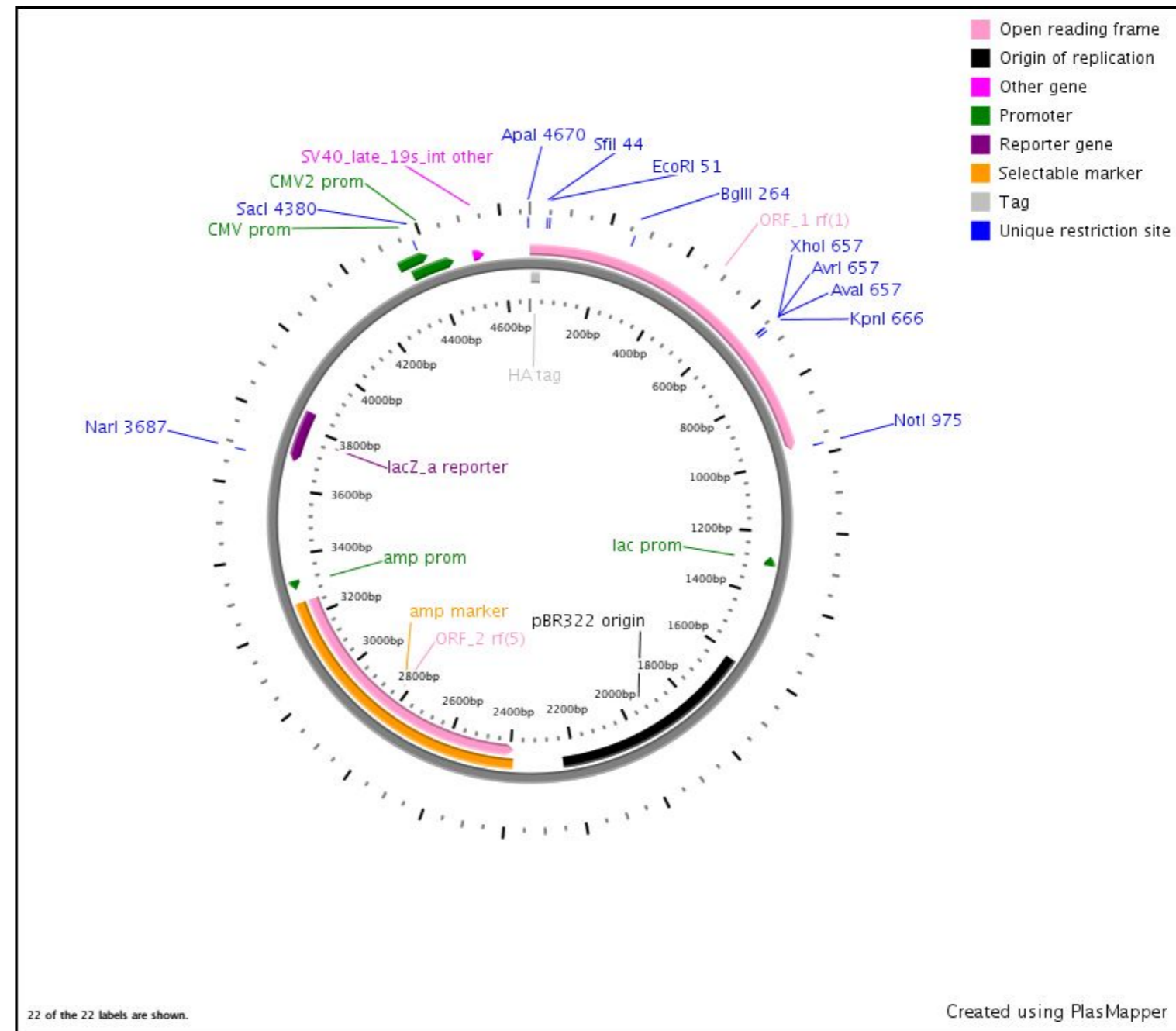
pHA-ERaHBD-VC155

<u>bacterial marker</u> Amp	<u>parent vector</u> pHA-VC155 <u>bacterial plasmid</u>
	<u>other relevant source constructs</u>

<u>Inserts</u>	ERa HBD inserted in pHA-VC155 vector NOTE THAT THIS CONSTRUCT LACKS ROUGHLY THE FIRST 50 AAs OF THE HBD
<u>Reporter gene</u>	<input type="text"/>
<u>Promoter, splice, PolyA</u>	

Comments Sequence available
Used for BiFC technique

Reference Shyu, Y., Liu, H., Deng, X., and Hu, C.-D. Identification of new fluorescent fragments for BiFC analysis under physiological conditions. *BioTechniques*, 40:61-66 (2006).



DIDIER PICARD LAB, University of Geneva

Construct number 2260
Constructed by Marie Maxit

Date entered 30.9.09
Date constructed 16.03.07

PLASMID NAME

pFlag-SRC1NiD-VN173

bacterial marker Amp

parent vector
 pFlag-VN173
bacterial plasmid

other relevant source constructs
 SRC1 iYC

Inserts The interaction domain of SRC1 inserted in pFlag-VN173 vector

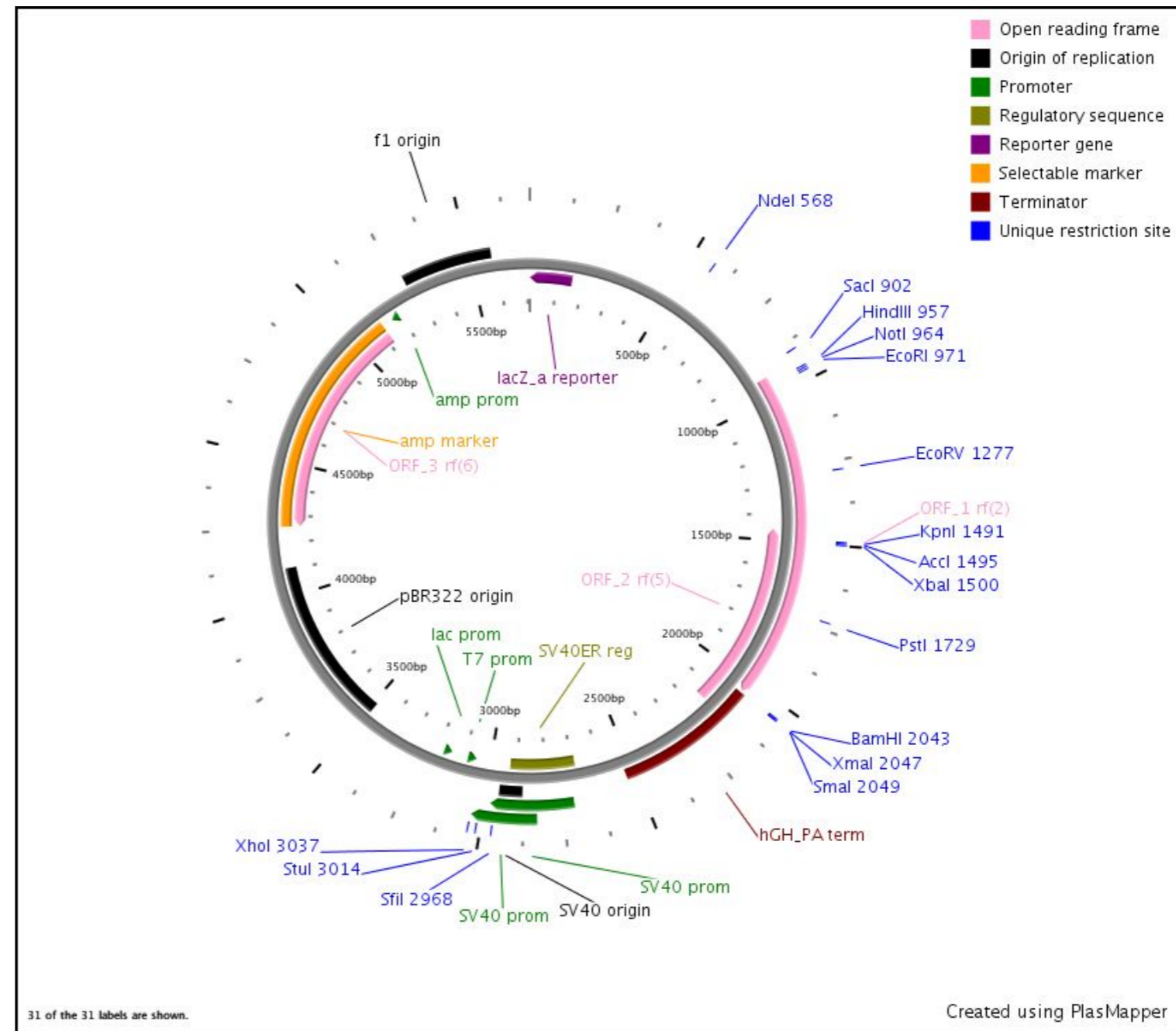
Reporter gene

Promoter,
splice,
PolyA

Comments sequence available

WE MAY HAVE LOST THIS PLASMID (10.2010)

Reference Shyu, Y., Liu, H., Deng, X., and Hu, C.-D. Identification of new fluorescent fragments for BiFC analysis under physiological conditions. *BioTechniques*, 40:61-66 (2006).



DIDIER PICARD LAB, University of Geneva

Construct number 2261
Constructed by Marie Maxit

Date entered 30.9.09
Date constructed 16.03.07

PLASMID NAME

pHA-SRC1NiD-VC155

bacterial marker Amp

parent vector
 pHA-VC155
bacterial plasmid

other relevant source constructs
 SRC1iYC

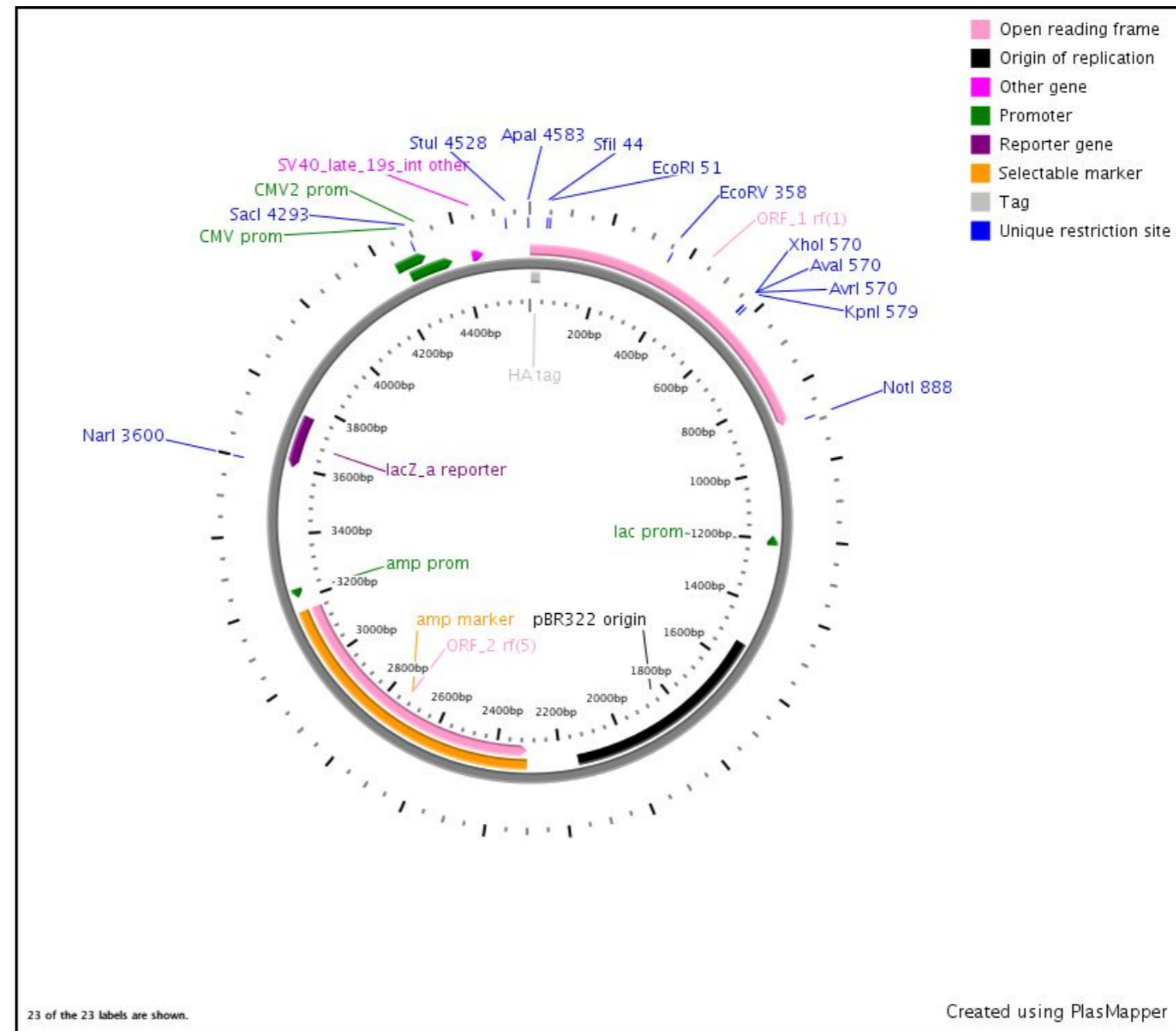
Inserts The interaction domain of SRC1 inserted in pHA-VC155 vector

Reporter gene

**Promoter,
 splice,
 PolyA**

Comments Sequence available

Reference Shyu, Y., Liu, H., Deng, X., and Hu, C.-D. Identification of new fluorescent fragments for BiFC analysis under physiological conditions. *BioTechniques*, 40:61-66 (2006).



DIDIER PICARD LAB, University of Geneva

Construct number 2262
Constructed by Marie Maxit

Date entered 30.9.09
Date constructed 16.03.07

PLASMID NAME

pFlag-HSP90-VN173

bacterial marker Amp

parent vector
pFLAG-VN173
bacterial plasmid

other relevant source constructs
pHCAhsp90b

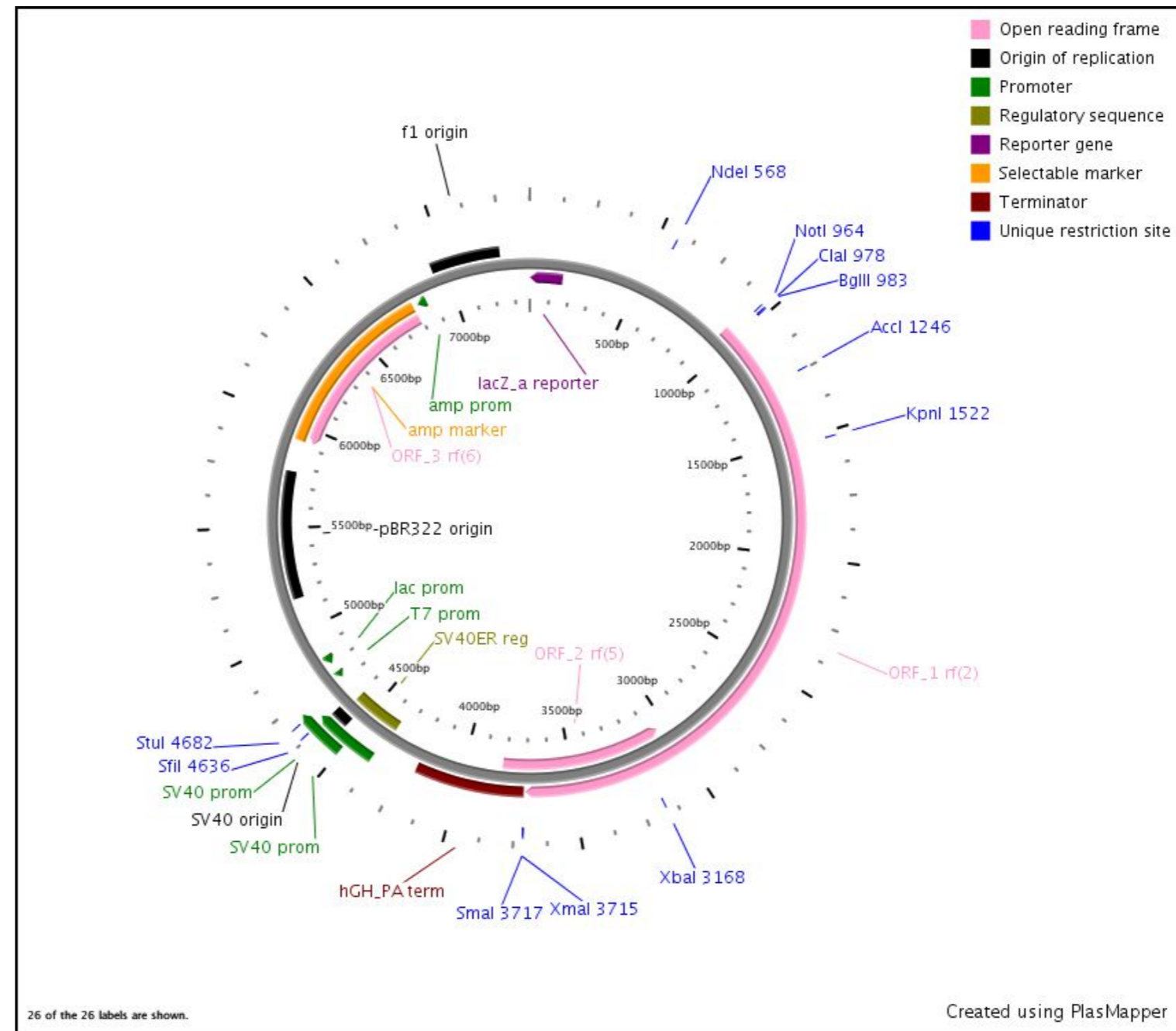
Inserts HSP90b inserted in pFLAG-VN173 vector

Reporter gene

**Promoter,
splice,
PolyA**

Comments Sequence available

Reference Shyu, Y., Liu, H., Deng, X., and Hu, C.-D. Identification of new fluorescent fragments for BiFC analysis under physiological conditions. *BioTechniques*, 40:61-66 (2006).



Construct number 2263

Date entered 6.10.09

Constructed by Marie Maxit

Date constructed 13.10.2008

PLASMID NAME

F-Cyp7B1

bacterial marker Kan

parent vector CKF

bacterial plasmid

other relevant source constructs

pCMV-Cyp7B1

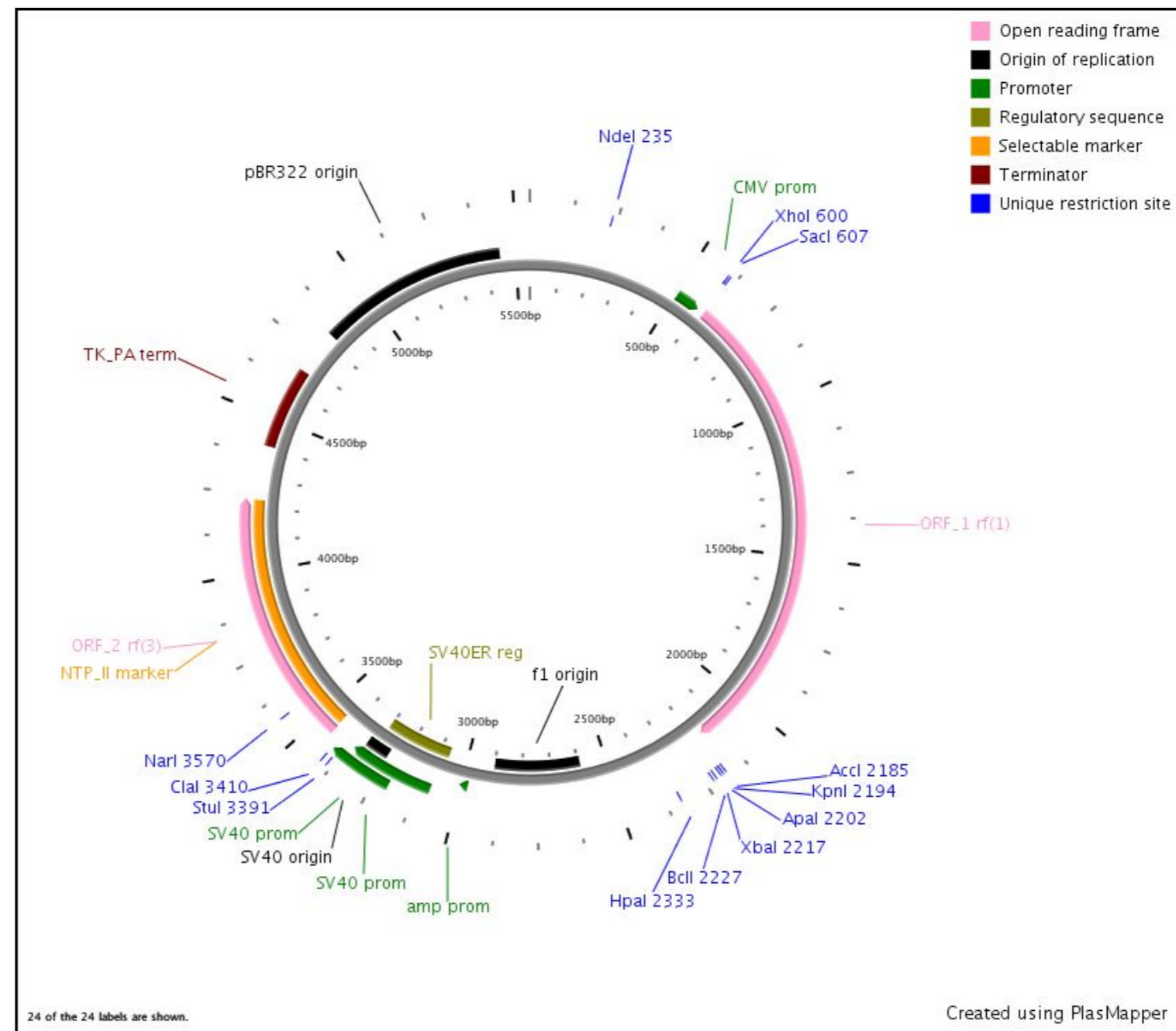
Inserts Flag tag fused to the human Cyp7B1

Reporter gene

Promoter,
splice,
PolyA

Comments Sequence available

Reference



Construct number

2264

Date entered

6.10.09

Constructed by

OpenBiosystems

Date constructed

PLASMID NAME

Sh1 hCyp7B1

Sh1 TRCN0000064538

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

TRC shRNA construct targeting human Cyp7B1

Sequence is of hairpin loop is:

CCGGCCATTGAGCTTCTAGGAAATCTCGAGATTCCTAGAAGCTCAATGGGT
TTTG

Reporter gene

Promoter,
splice,
PolyA

Comments

- lentiviral vector
- see www.openbiosystems.com for more details

Reference

Construct number

2265

Date entered

6.10.09

Constructed by

OpenBiosystems

Date constructed

PLASMID NAME

Sh2 hCyp7B1

Sh1 TRCN0000064539

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

TRC shRNA construct targeting human Cyp7B1

Sequence is of hairpin loop is:

CCGGCCACCTCACCAGAGAACAATTCTCGAGAATTGTTCTCTGGTGAGGTGGTT

TTTG

Reporter gene

Promoter,
splice,
PolyA

Comments

- lentiviral vector
- see www.openbiosystems.com for more details

Reference

Construct number

2266

Date entered

6.10.09

Constructed by

OpenBiosystems

Date constructed

PLASMID NAME

Sh3 hCyp7B1

Sh1 TRCN0000064540

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

TRC shRNA construct targeting human Cyp7B1

Sequence is of hairpin loop is:

CCGGGCGTGACGAAATTGACCGTTTCTCGAGAAACGGTCAATTCGTCACGCTT
TTTG

Reporter gene

Promoter,
splice,
PolyA

Comments

- lentiviral vector
- see www.openbiosystems.com for more details

Reference

Construct number

2267

Date entered

6.10.09

Constructed by

OpenBiosystems

Date constructed

PLASMID NAME

Sh4 hCyp7B1

Sh1 TRCN0000064541

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

TRC shRNA construct targeting human Cyp7B1

Sequence is of hairpin loop is:

CCGGGCAAGGCAAATCTTTGGACATCTCGAGATGTCCAAAGATTTGCCTTGCTT
TTTG

Reporter gene

Promoter,
splice,
PolyA

Comments

- lentiviral vector
- see www.openbiosystems.com for more details

Reference

Construct number

2268

Date entered

6.10.09

Constructed by

OpenBiosystems

Date constructed

PLASMID NAME

Sh5 hCyp7B1

Sh1 TRCN0000064542

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

TRC shRNA construct targeting human Cyp7B1

Sequence is of hairpin loop is:

CCGGTGGTGGAAAGTACATAACATTCTCGAGAATGTTATGTACTTTCCACCATT
TTTG

Reporter gene

Promoter,
splice,
PolyA

Comments

- lentiviral vector
- see www.openbiosystems.com for more details

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.10.09

Constructed by addgene, Wang et al

Date constructed

PLASMID NAME

p3xFLAG/hCRM1

alternative name

exportin 1

bacterial marker Amp

parent vector
p3XFLAG CMV-10
bacterial plasmid

other relevant source constructs

Inserts complete coding sequence of human CRM1 (exportin 1) in 3XFLAG vector (KpnI-BamHI). insert size 3300 bp, backbone size: 6400 bp.

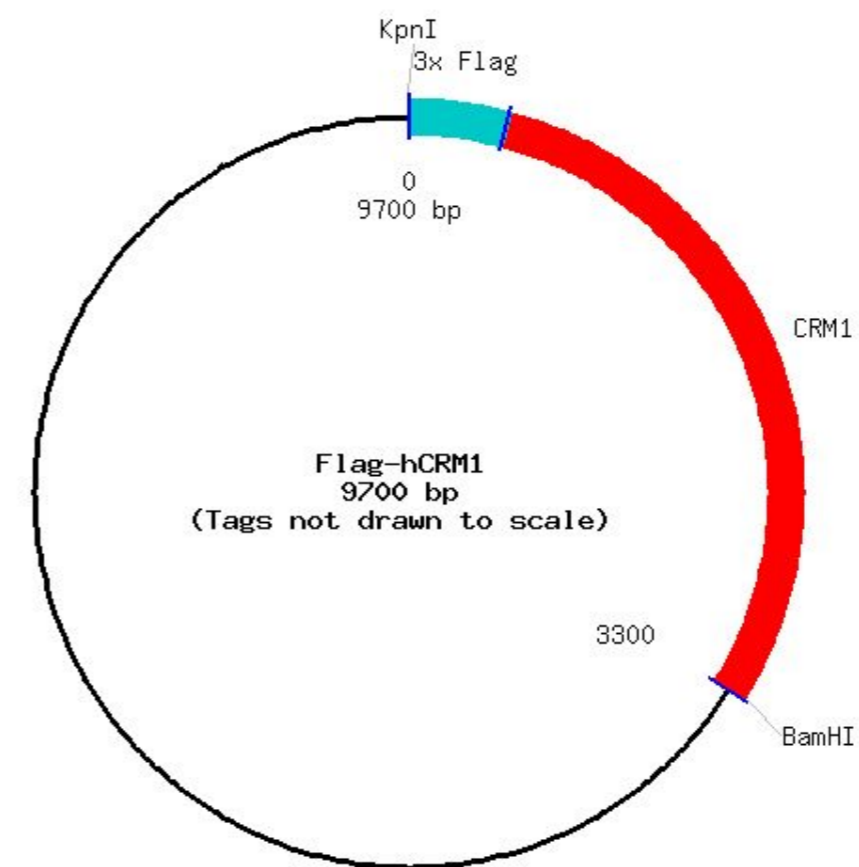
Reporter gene

Promoter,
splice,
PolyA

Comments high copy plasmid

Reference Temporal and spatial control of nucleophosmin by the Ran-Crm1 complex in centrosome duplication. Wang W et al. (Nat Cell Biol. 2005 Aug . 7 (8):823-30. Pubmed)

Please acknowledge the principal investigator and cite this article if you use



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 27.10.09

Constructed by Open Biosystems

Date constructed

PLASMID NAME

sh1_hBre1A

bacterial marker Amp

parent vector

pLKO.1

vertebrate marker Puromycin

bacterial plasmid

eucaryotic replicon

other relevant source constructs

Inserts

The hairpin sequence:

CCGGCCTGAGATATAAGCGGAAATTCGAGAAATTTCCGCTTATATCTCAGGTT
TTTG

The targeting anti-sense sequence: AATTTCCGCTTATATCTCAGG

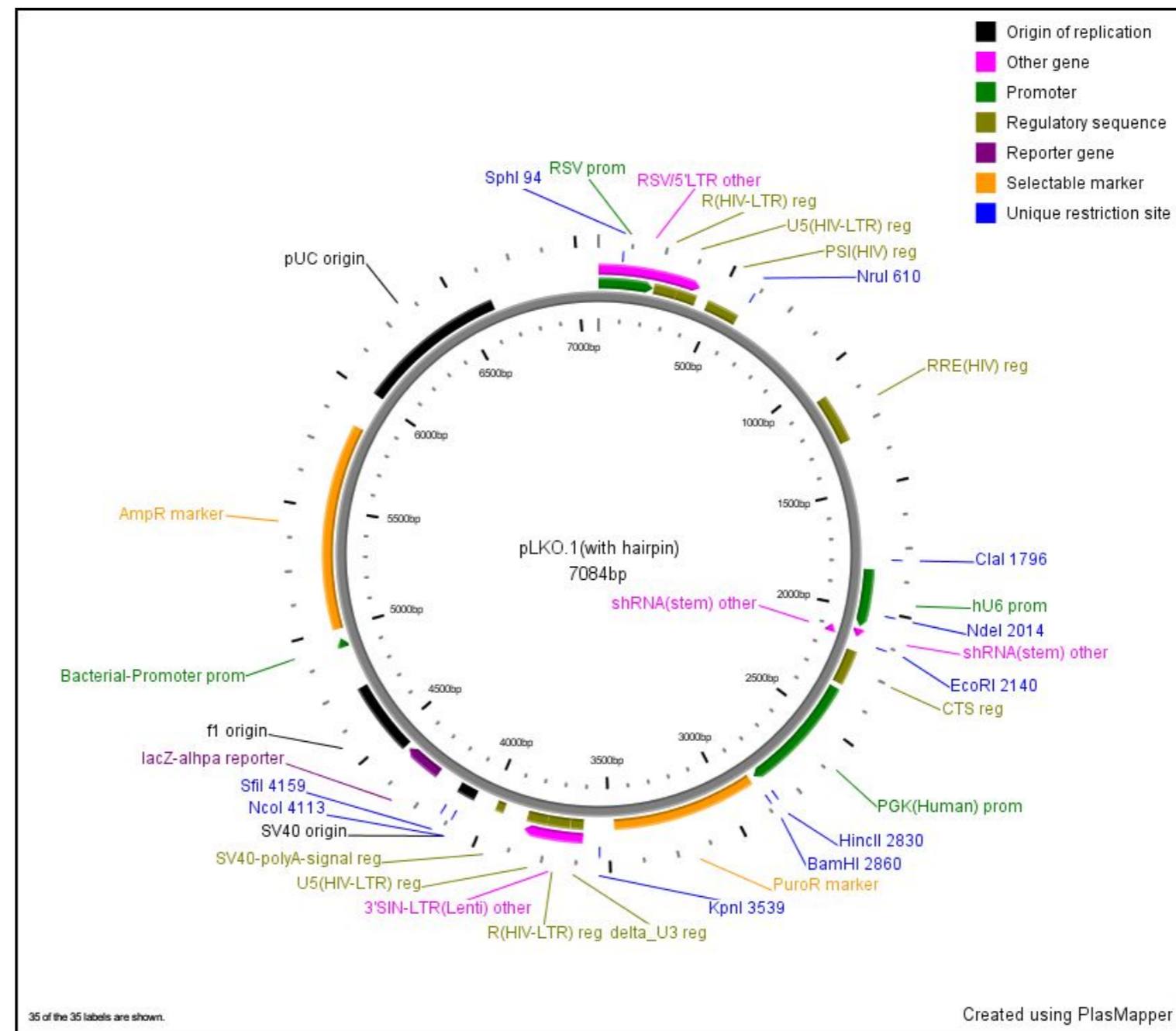
Works!!! But not so as well as 2369 and 2370. Besides, this is a lentiviral plasmid, so use psPax2 and pMD2G to make viruses.

Reporter gene

Promoter, splice, PolyA U6

Comments Length of hBre1A (NM 019592) transcript: 3970, orf: 91..3018
Target shRNA: 1572..1592

Reference <https://openbiosystems.com/Query/?i=0&q=RHS3979-9601282>
clone-id:TRCN0000033874



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 27.10.09

Constructed by Open Biosystems

Date constructed

PLASMID NAME

sh2_hBre1A

bacterial marker Amp

vertebrate marker Puromycin

eucaryotic replicon

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts

The hairpin sequence:

CCGGCCGTCGTGTAACATGCGTAAACTCGAGTTTACGCATGTTACAGCACGGTT
TTTG

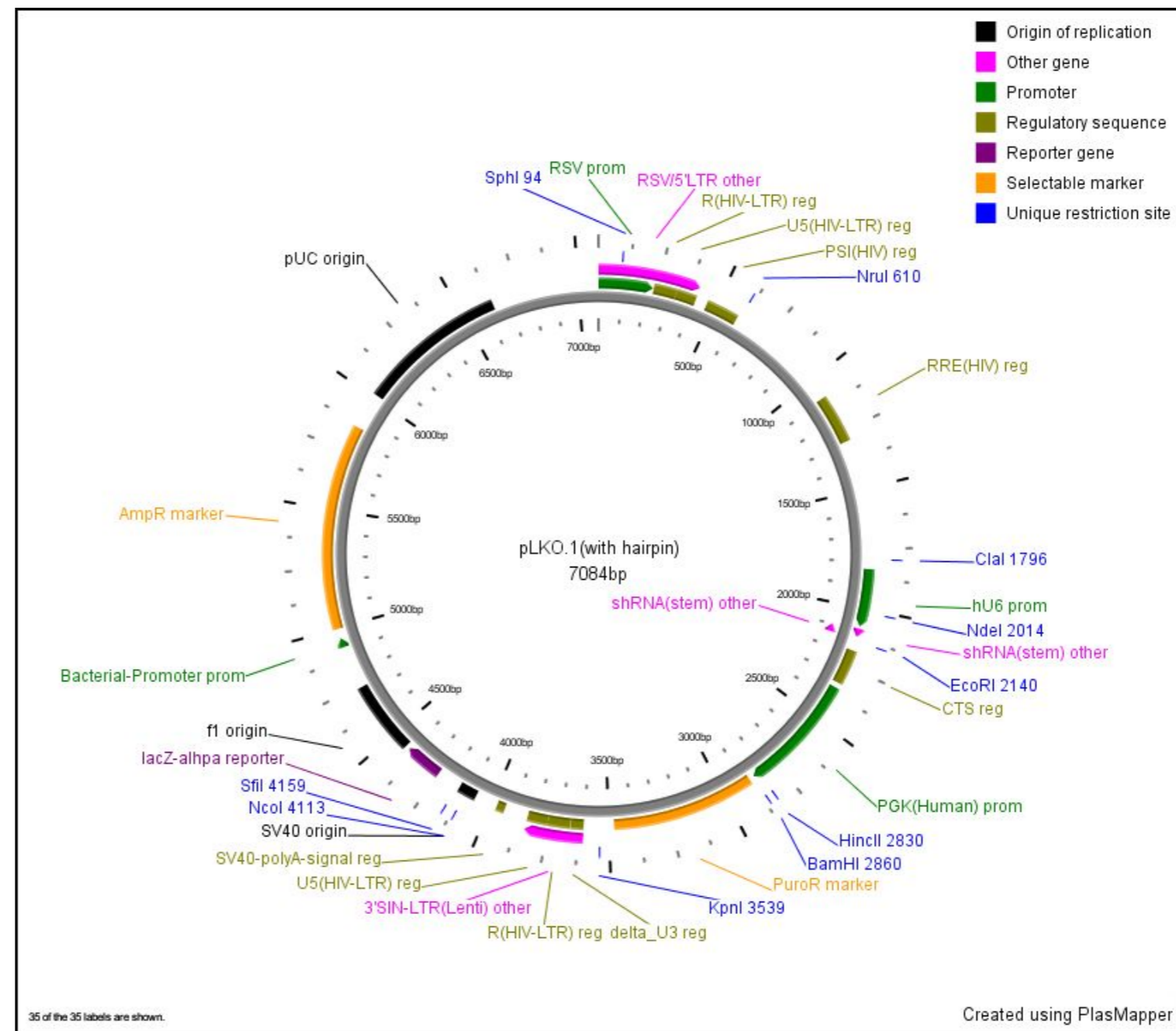
The targeting anti-sense sequence: TTTACGCATGTTACAGCACGG

Reporter gene

Promoter, U6
splice,
PolyA

Comments Length of hBre1A (NM_019592) transcript: 3970,orf: 91..3018
Target shRNA: 2857..2877

Reference <https://openbiosystems.com/Query/?i=0&q=RHS3979-9601283>
clone-id:TRCN0000033875



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 27.10.09

Constructed by Open Biosystems

Date constructed

PLASMID NAME

sh3_hBre1A

bacterial marker Amp

vertebrate marker Puromycin

eucaryotic replicon

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts

The hairpin sequence:

CCGG**CCACTGATGATGCCTCACTATCTCGAGATAGTGAGGCATCATCAGTGGTT**
TTTG

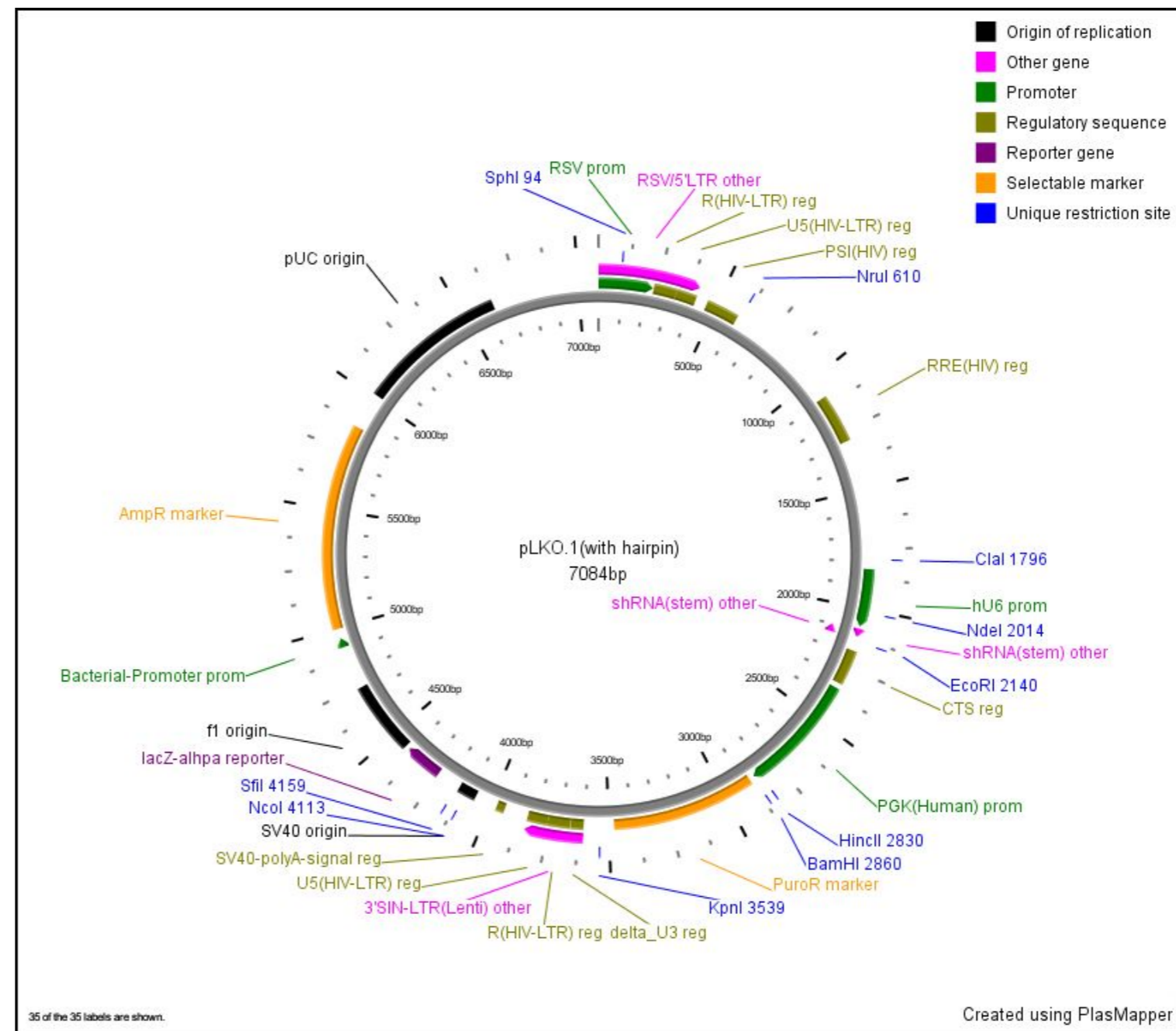
The targeting anti-sense sequence: ATAGTGAGGCATCATCAGTGG

Reporter gene

Promoter, splice, PolyA U6

Comments Length of hBre1A (NM_019592) transcript: 3970, orf: 91..3018
Target shRNA: 341..361

Reference <https://openbiosystems.com/Query/?i=0&q=RHS3979-9601284>
clone-id:TRCN0000033876



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 27.10.09

Constructed by Open Biosystems

Date constructed

PLASMID NAME

sh4_hBre1A

bacterial marker Amp

parent vector

pLKO.1

vertebrate marker Puromycin

bacterial plasmid

eucaryotic replicon

other relevant source constructs

Inserts

The hairpin sequence:

CCGG**GCCAATGAAATCAAGTCTAAACTCGAGTTTAGACTTGATTTCATTGGCTT**
TTTG

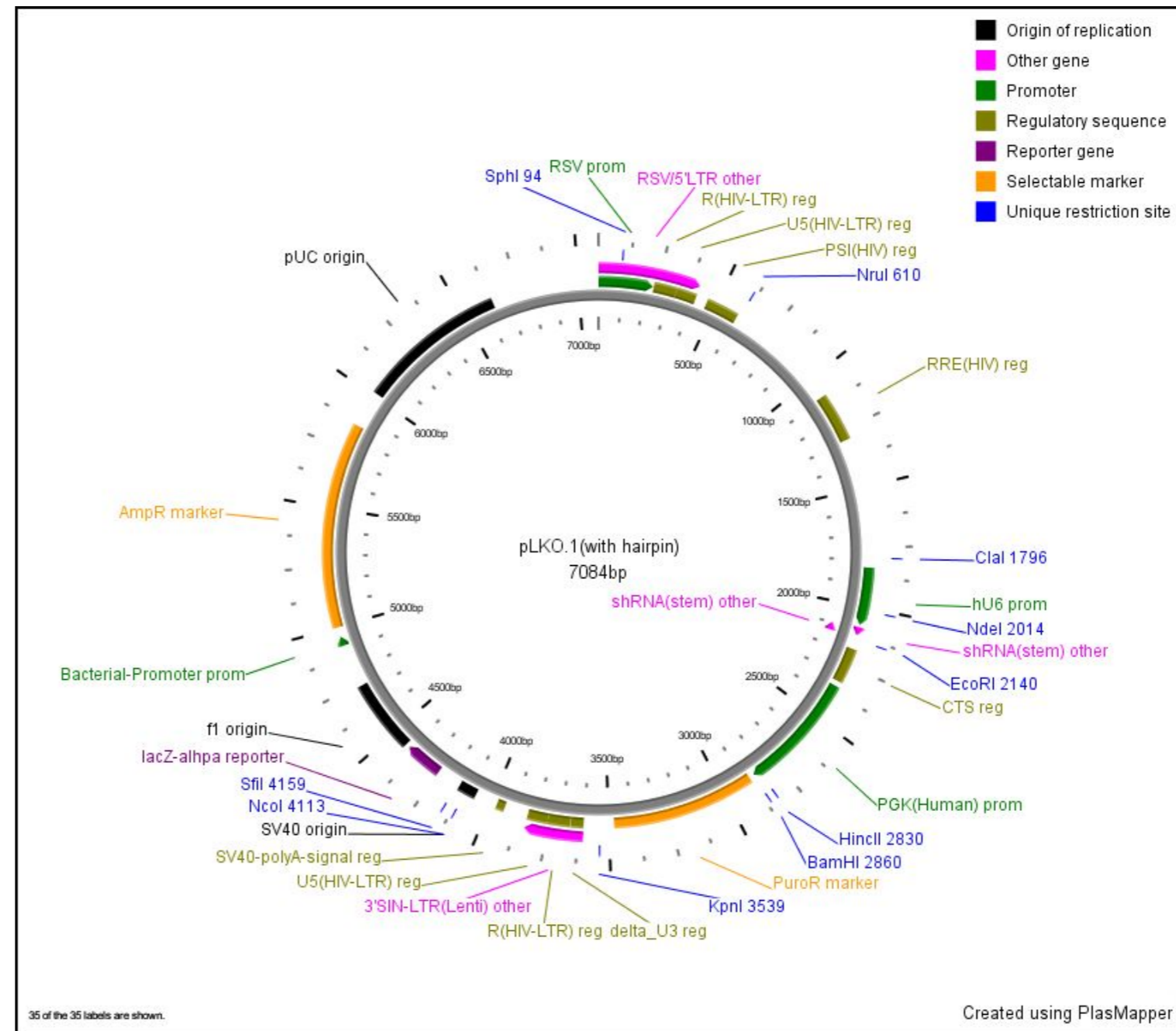
The targeting anti-sense sequence: **TTTAGACTTGATTTCATTGGC**

Reporter gene

Promoter, splice, PolyA **U6**

Comments Length of hBre1A (NM_019592) transcript: 3970, orf: 91..3018
 Target shRNA: 1759..1779

Reference <https://openbiosystems.com/Query/?i=0&q=RHS3979-9601285>
 clone-id:TRCN0000033877



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 27.10.09

Constructed by Open Biosystems

Date constructed

PLASMID NAME

sh5_hBre1A

bacterial marker Amp

vertebrate marker Puromycin

eucaryotic replicon

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts

The hairpin sequence:

CCGGCGGAGGAACTAGACATTAGAACTCGAGTTCTAATGTCTAGTTCCTCCGTT
TTTG

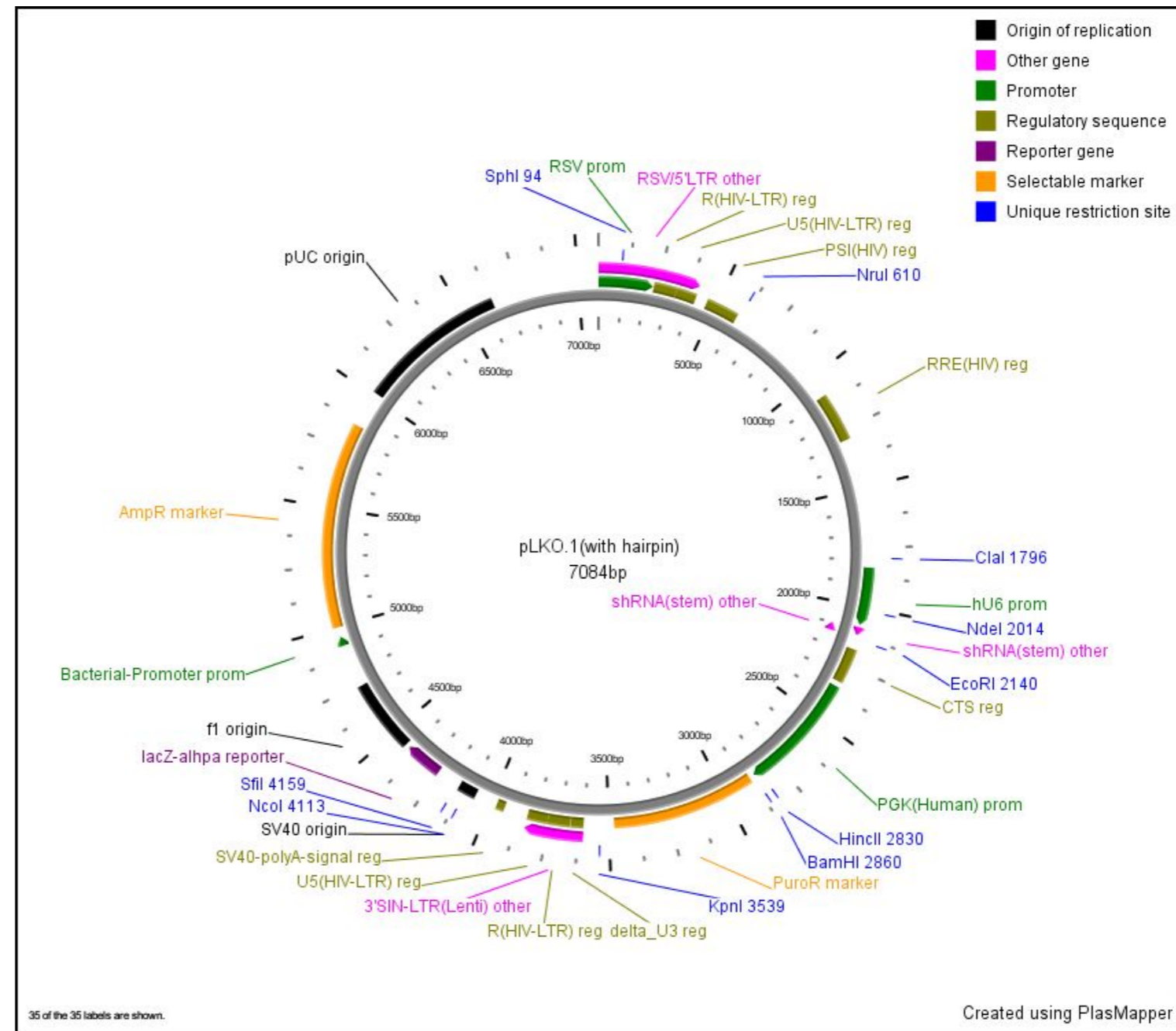
The targeting anti-sense sequence: TTCTAATGTCTAGTTCCTCCG

Reporter gene

Promoter, splice, PolyA U6

Comments Length of hBre1A (NM_019592) transcript: 3970,orf: 91..3018
Target shRNA: 218..238

Reference <https://openbiosystems.com/Query/?i=0&q=RHS3979-9601286>
clone-id:TRCN0000033878



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 27.10.09

Constructed by Open Biosystems

Date constructed

PLASMID NAME

sh1_hRAD6A

bacterial marker Amp

parent vector

pLKO.1

vertebrate marker Puromycin

bacterial plasmid

eucaryotic replicon

other relevant source constructs

Inserts

The hairpin sequence:

CCGGACCTCCCTACTCCTGTCATTACTCGAGTAATGACAGGAGTAGGGAGGTTT
TTT

The targeting anti-sense sequence: TAATGACAGGAGTAGGGAGGT

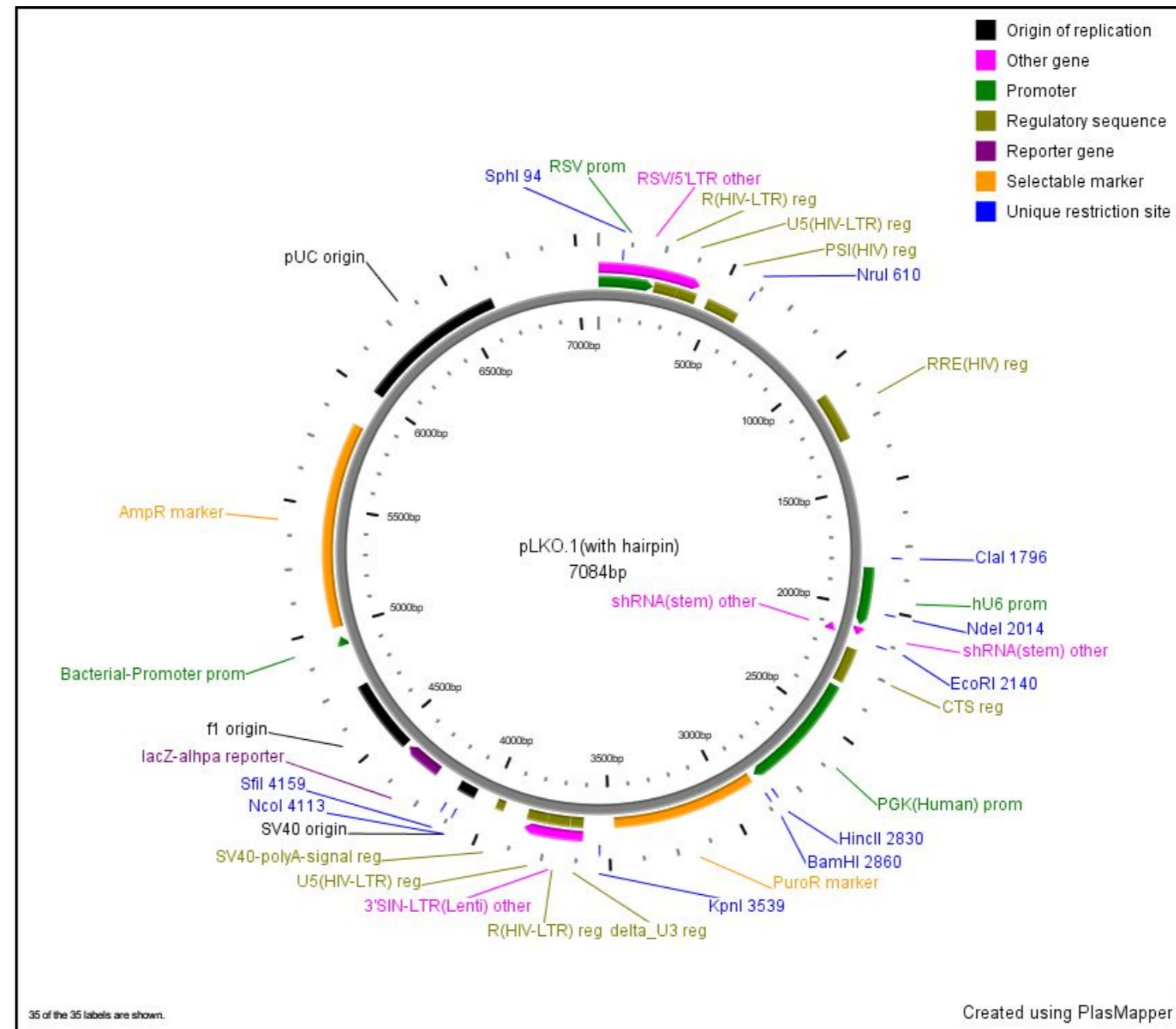
Reporter gene

Promoter, splice, PolyA U6

Comments Length of hRAD6A (NM_003336) transcript: 1799, orf: 177..635
Target shRNA: 704..714

Note that target antisense sequence is not in the ORF.

Reference <https://openbiosystems.com/Query/?i=0&q=RHS3979-98490894>
clone-id:TRCN0000010842



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 27.10.09

Constructed by Open Biosystems

Date constructed

PLASMID NAME

sh2_hRAD6A

bacterial marker Amp

parent vector

pLKO.1

vertebrate marker Puromycin

bacterial plasmid

eucaryotic replicon

other relevant source constructs

Inserts

The hairpin sequence:

CCGGCCAATCCAATAGTCCAGCAACTCGAGTTGCTGGACTATTGGGATTGGTT
TTTT

The targeting anti-sense sequence: TTGCTGGACTATTGGGATTGG

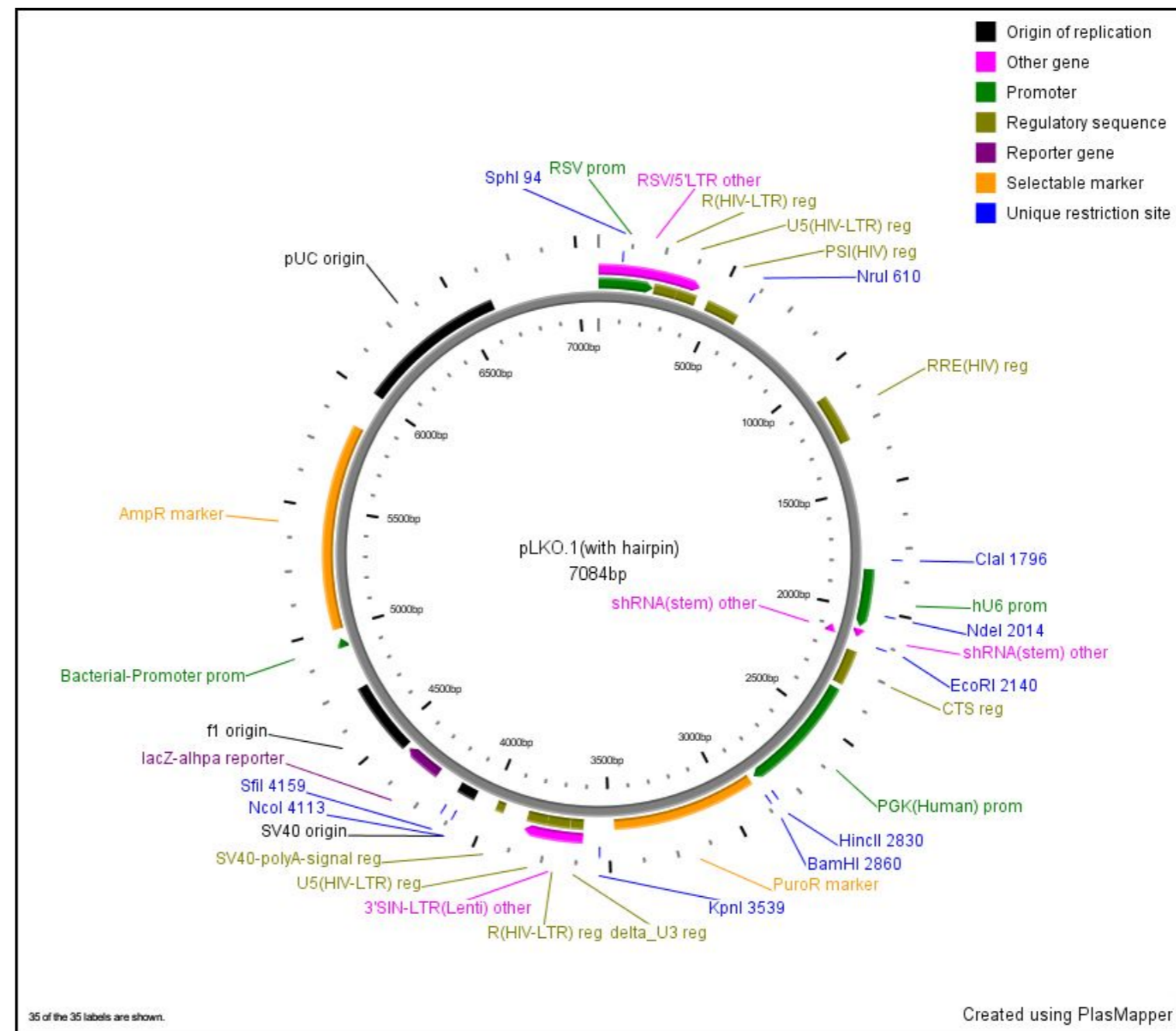
THIS WORKS!!!

Reporter gene

Promoter, splice, PolyA U6

Comments Length of hRAD6A (NM_003336) transcript: 1799, orf: 177..635
Target shRNA: 523..543

Reference <https://openbiosystems.com/Query/?i=0&q=RHS3979-9572718>
clone-id: TRCN0000004005



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 27.10.09

Constructed by Open Biosystems

Date constructed

PLASMID NAME

sh3_hRAD6A

bacterial marker Amp

parent vector

pLKO.1

vertebrate marker Puromycin

bacterial plasmid

eucaryotic replicon

other relevant source constructs

Inserts

The hairpin sequence:

CCGGTC'TTCCATTCTAACATCCATACCTCGAGTATGGATGTTAGAATGGAAGATT
TTTT

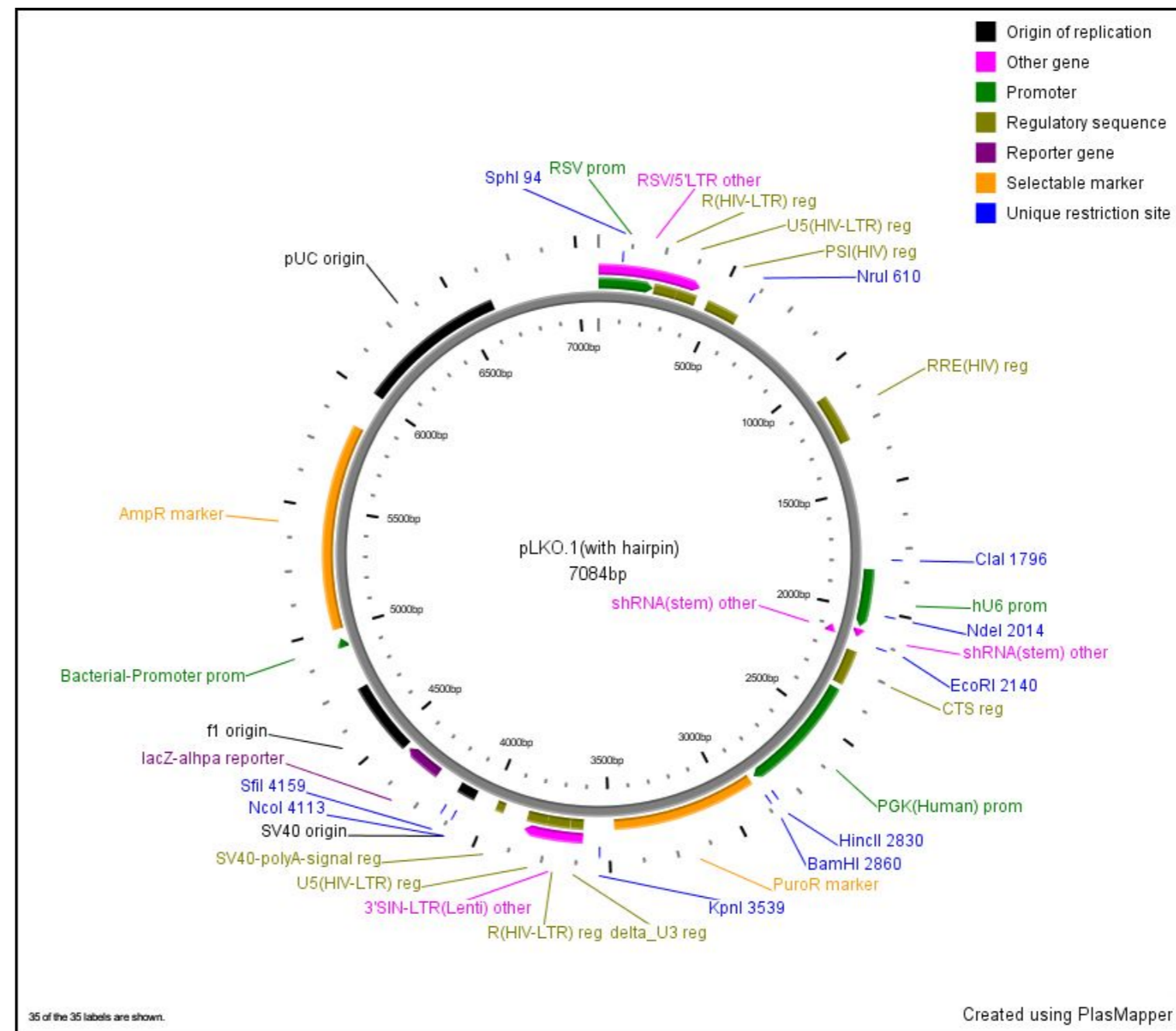
The targeting anti-sense sequence: TATGGATGTTAGAATGGAAGA

Reporter gene

Promoter, splice, PolyA U6

Comments Length of hRAD6A (NM_003336) transcript: 1799, orf: 177..635
Target shRNA: 483..503

Reference <https://openbiosystems.com/Query/?i=0&q=RHS3979-9572719>
clone-id: TRCN0000004006



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 27.10.09

Constructed by Open Biosystems

Date constructed

PLASMID NAME

sh4_hRAD6A

bacterial marker Amp

vertebrate marker Puromycin

eucaryotic replicon

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts

The hairpin sequence:

CCGGCCATTCTAACATCCATACAGTCTCGAGACTGTATGGATGTTAGAATGGTT
TTTT

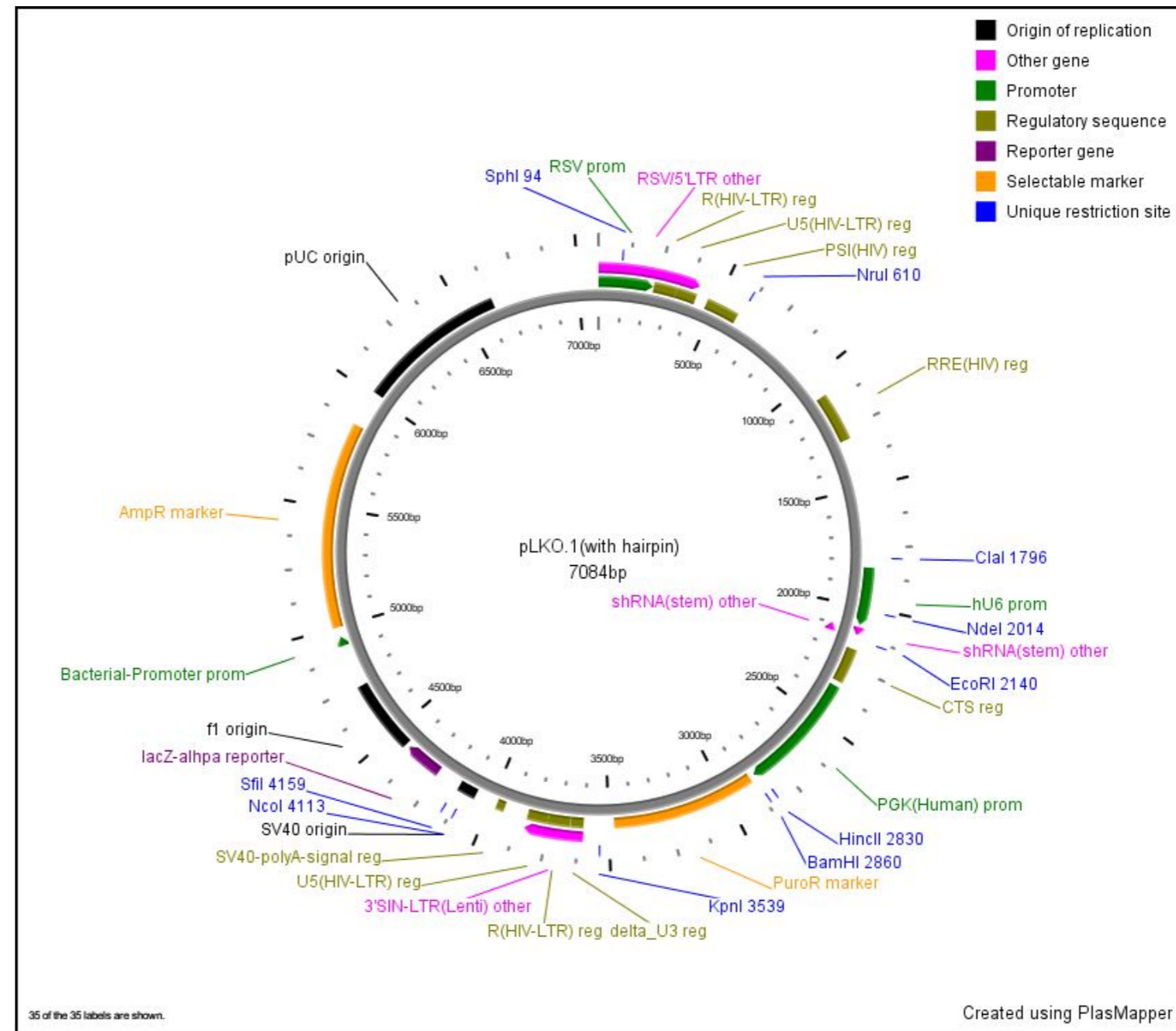
The targeting anti-sense sequence: ACTGTATGGATGTTAGAATGG

Reporter gene

Promoter, splice, PolyA U6

Comments Length of hRAD6A (NM_003336) transcript: 1799, orf: 177..635
Target shRNA: 487..507

Reference <https://openbiosystems.com/Query/?i=0&q=RHS3979-9572720>
clone-id: TRCN0000004007



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 27.10.09

Constructed by Open Biosystems

Date constructed

PLASMID NAME

sh5_hRAD6A

bacterial marker Amp

vertebrate marker Puromycin

eucaryotic replicon

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts

The hairpin sequence:

CCGGCCAGGAGAACAAACGGGAATACCTCGAGTATTCCCGTTTGTTCCTCGTT
TTTT

The targeting anti-sense sequence: TATTCCCGTTTGTTCCTCGG

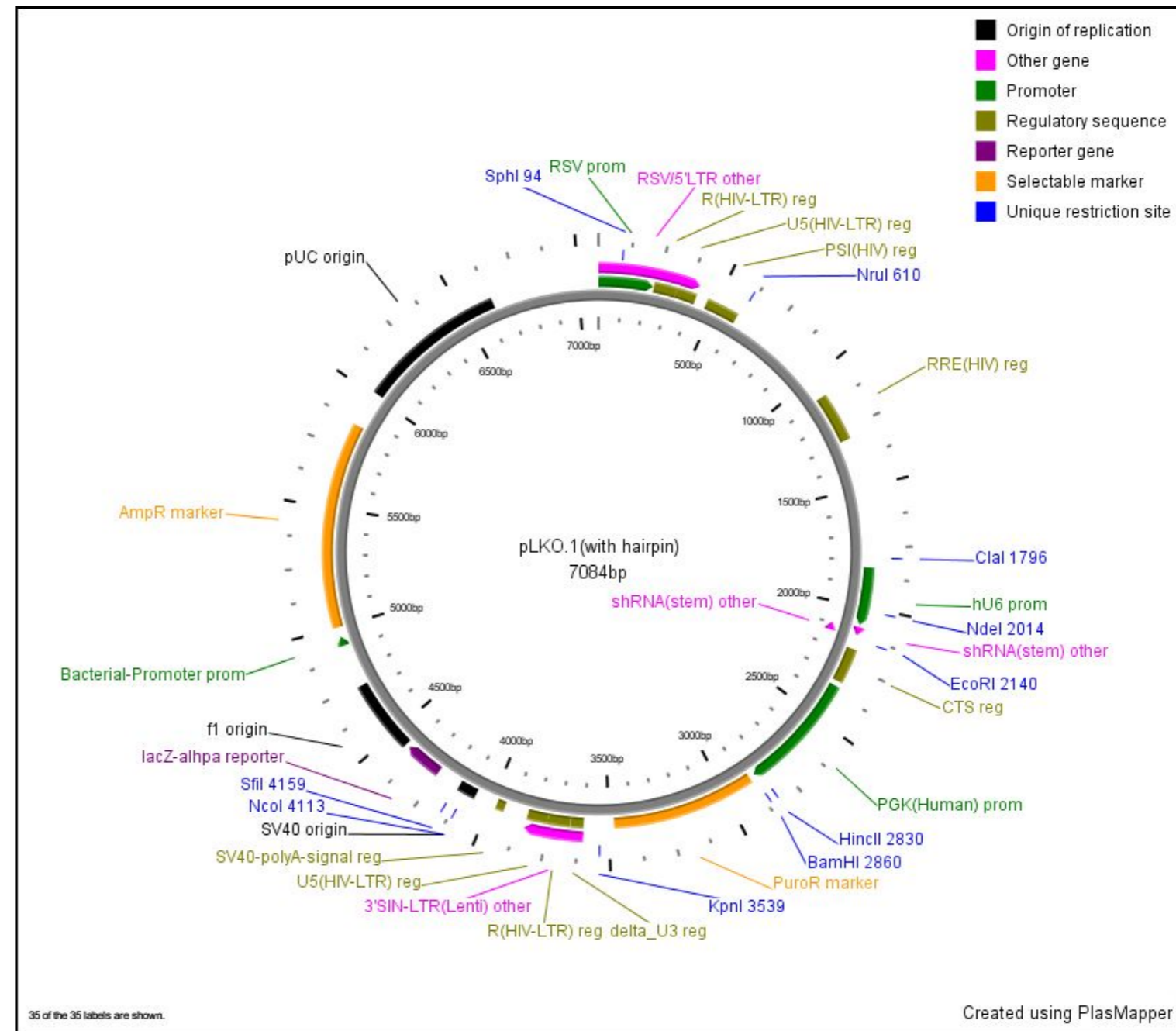
THIS WORKS!!!

Reporter gene

Promoter, splice, PolyA U6

Comments Length of hRAD6A (NM_003336) transcript: 1799, orf: 177..635
Target shRNA: 566..586

Reference <https://openbiosystems.com/Query/?i=0&q=RHS3979-9572721>
clone-id: TRCN0000004008



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.11.09

Constructed by Deo & Lilia

Date constructed Oct 09

PLASMID NAME

3xFLAG-hBre1A

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

p3xFLAG-CMV-10, 2014

bacterial plasmid

pBR322

other relevant source constructs

p3xFLAG-ratGPR30

Inserts

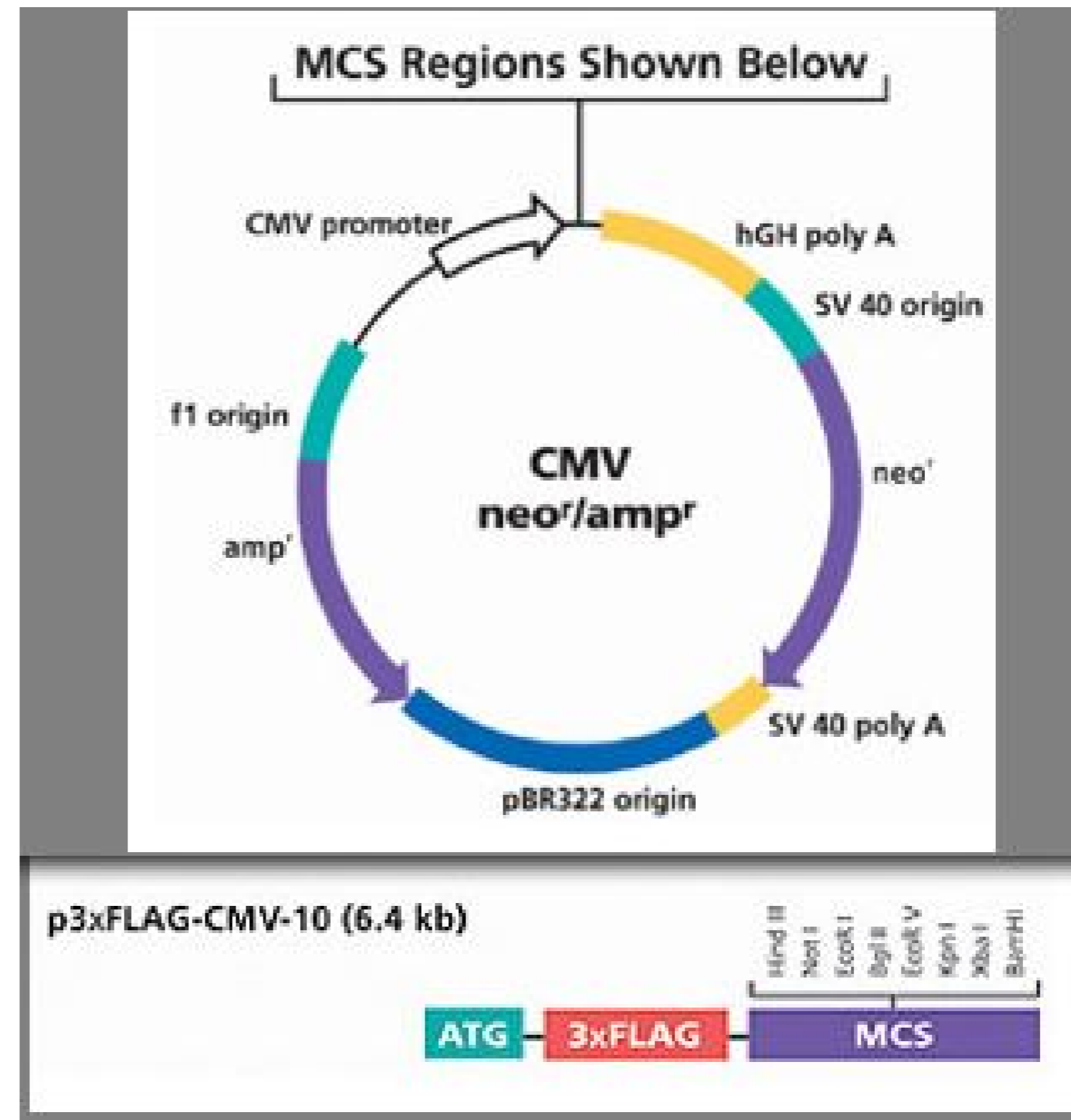
The human Bre1A orf was inserted between restriction sites HindIII and BamHI in 3xFLAG. Look at the map in the folder.

Reporter gene

Promoter,
splice,
PolyA

Comments Sequence and primer seq available.

Reference Expression confirmed with Western.
Segala et al., Molecular Cell (2016)



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.11.09

Constructed by Deo & Lilia

Date constructed 12.10.08

PLASMID NAME

p3xFLAG-hBre1B

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

p3xFLAG/MCS, 2201

bacterial plasmid

pBR322

other relevant source constructs

Inserts THE COMPLETE CODING REGION OF HUMAN Bre1B gene is inserted between EcoRI and BamHI sites.

Reporter gene

Promoter,
splice,
PolyA

Comments Primer seq as well the whole vector sequence is available.

Reference Segala et al., Molecular Cell (2016)

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.11.09

Constructed by Deo & Lilia

Date constructed 12.10.08

PLASMID NAME

p3xFLAG-hRad6A

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

p3xFLAG/MCS, 2201

bacterial plasmid

pBR322

other relevant source constructs

Inserts THE COMPLETE CODING REGION OF HUMAN Rad6A gene is inserted between HindIII and KpnI sites.

Reporter gene

Promoter,
splice,
PolyA

Comments Primer seq as well the whole vector sequence is available.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.11.09

Constructed by Deo & Lilia

Date constructed Oct 09

PLASMID NAME

3xFLAG-hRad6B

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

p3xFLAG-CMV-10

bacterial plasmid

pBR322

other relevant source constructs

p3xFLAG-ratGPR30

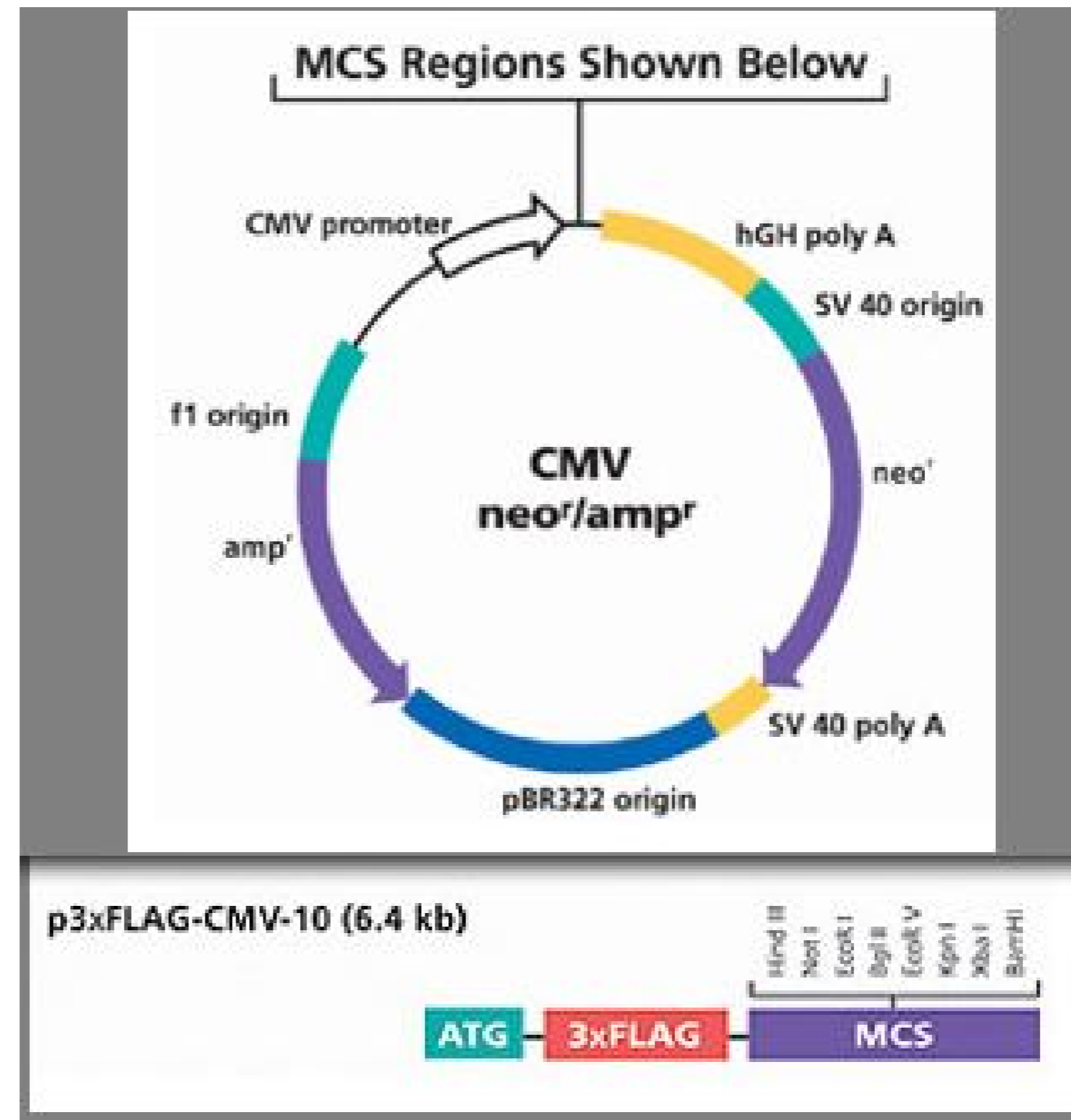
Inserts The human Rad6B orf was inserted between restriction sites HindIII and BamHI in 3xFLAG. Look at the map in the folder.

Reporter gene

Promoter,
splice,
PolyA

Comments Sequence and primer seq available.

Reference Expression confirmed with Western.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.11.09

Constructed by Deo & Marcela

Date constructed August 09

PLASMID NAME

pGL3.GR_UTR1

bacterial marker Amp

parent vector
1876

bacterial plasmid

other relevant source constructs
pGL3-CMV.luc, pBS.GR_UTR

Inserts First 1 kb Sub-fragment of hGR UTR was amplified using 2241 as the template with speI site at both ends and ligated into pGL3-CMV.luc at the XbaI site.

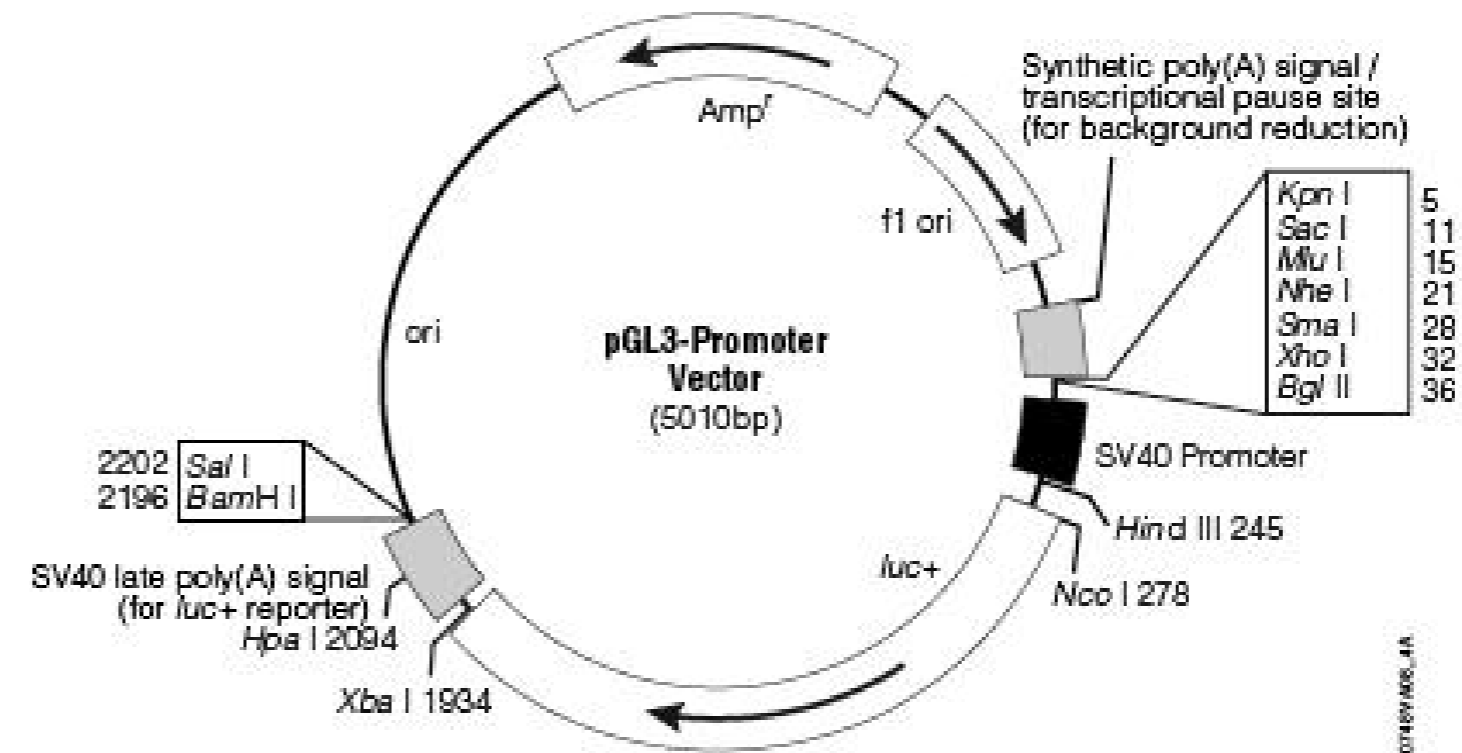
Reporter gene

Promoter, splice, PolyA
CMV

Comments Please note that XbaI site is destroyed.

Primers are available.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.11.09

Constructed by Deo & Marcela

Date constructed August 09

PLASMID NAME

pGL3.GR_UTR2

bacterial marker Amp

parent vector
1876

bacterial plasmid

other relevant source constructs
pGL3-CMV.luc, pBS.GR_UTR

Inserts Second 1 kb Sub-fragment of hGR UTR was amplified using 2241 as the template with speI site at both ends and ligated into pGL3-CMV.luc at the XbaI site.

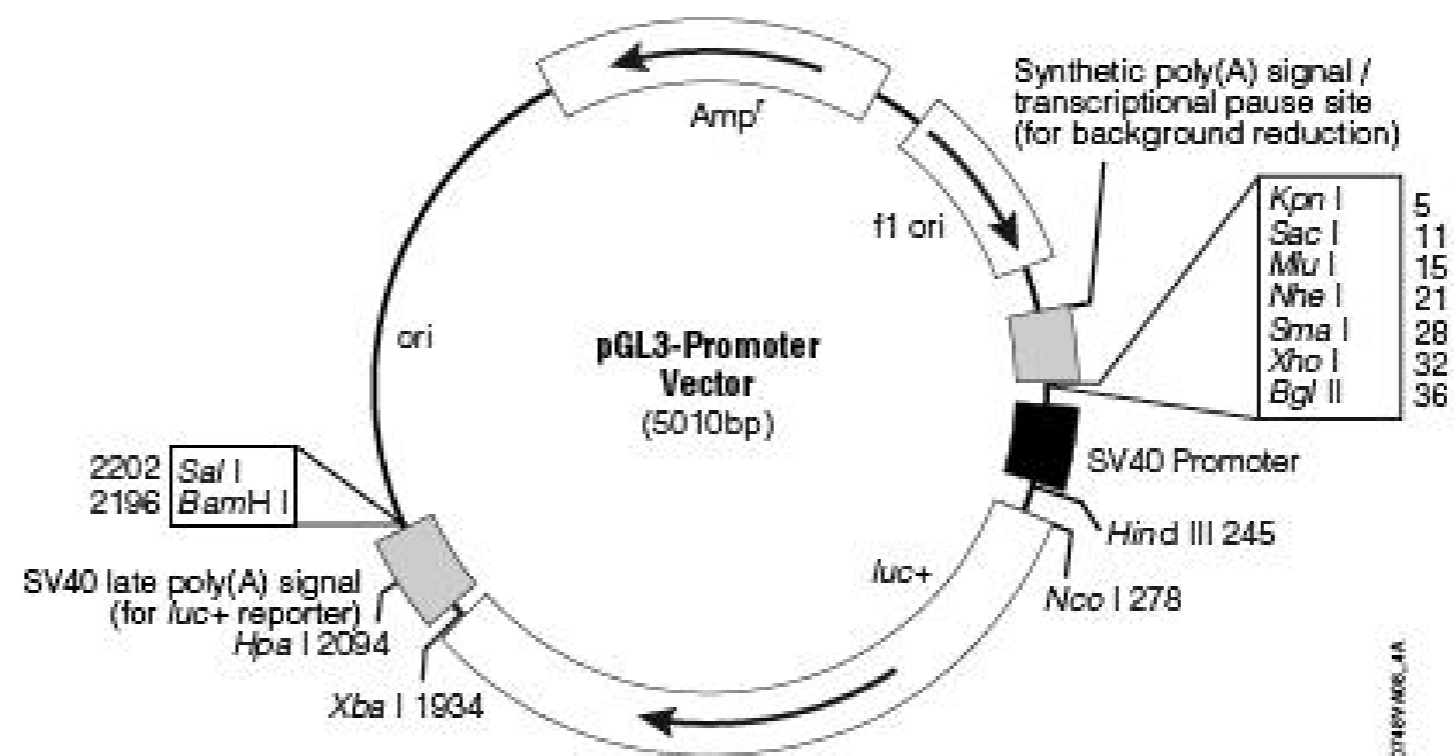
Reporter gene

Promoter, splice, PolyA
CMV

Comments Please note that XbaI site is destroyed.

Primers are available.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2286

Date entered

6.11.09

Constructed by

Deo & Marcela

Date constructed

Nov 09

PLASMID NAME

pGL3.GR_UTR(1+2)

bacterial marker Amp

parent vector

1876

bacterial plasmid

other relevant source constructs

pGL3-CMV.luc, pBS.GR_UTR

Inserts

First 2 kb Sub-fragment of hGR UTR was amplified using 2241 as the template with speI site at both ends and ligated into pGL3-CMV.luc at the XbaI site.

Reporter gene

luciferase

Promoter,
splice,
PolyA

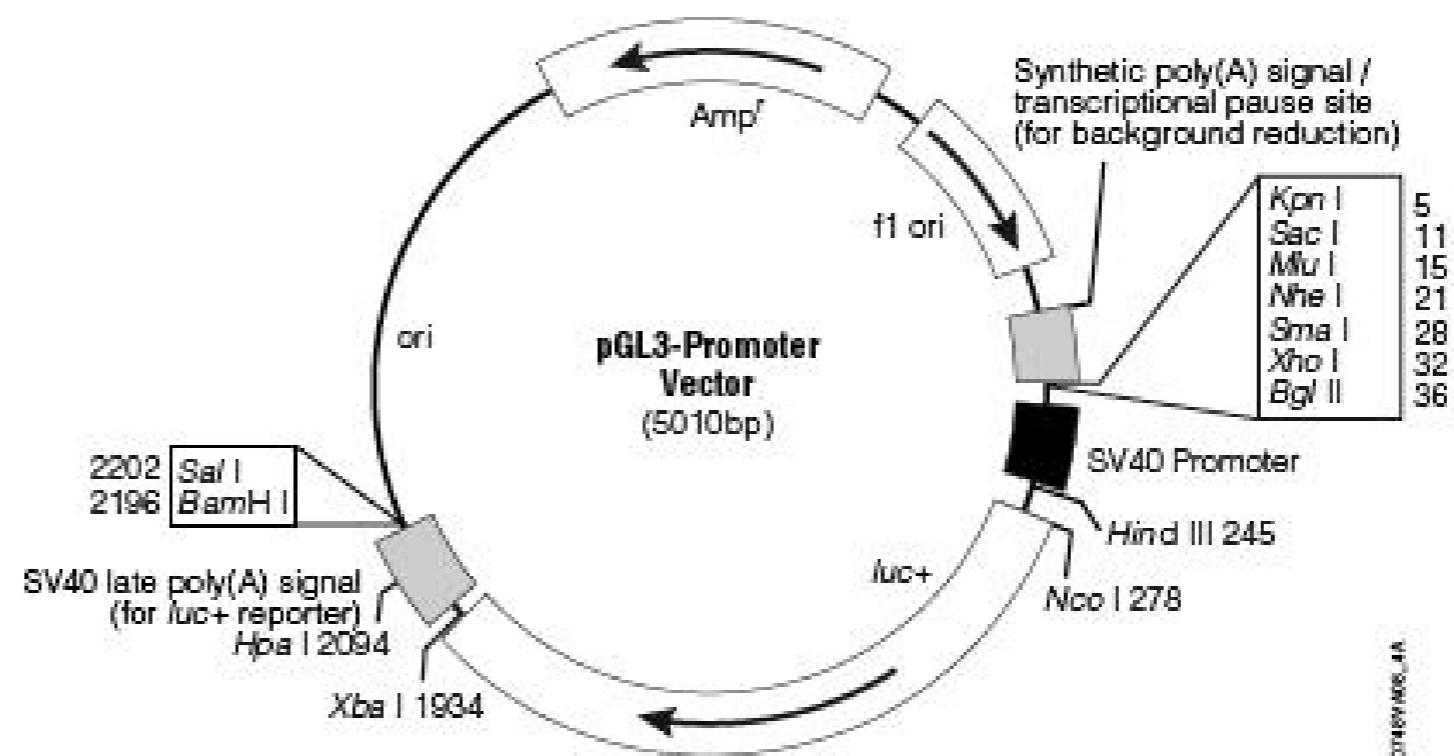
CMV

Comments

Please note that XbaI site is destroyed.

Primers are available.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.11.09

Constructed by Deo & Marcela

Date constructed Oct 09

PLASMID NAME

pBS.GR_3'UTR(1+2)

bacterial marker Amp

parent vector

Bluescript (+)

bacterial plasmid

other relevant source constructs

2241, BS(+)

Inserts

First 2 kb Sub-fragment of hGR UTR was amplified using 2241 as the template with *speI* site at both ends and then, ligated into BS(+) also cut with *speI*. Expected band sizes after cutting this vector with *speI* is 3 and 2kb (2 kb is insert).

Reporter gene

Promoter,
splice,
PolyA

Comments Primers are in seq. pane.

This is the primary vector for the mutagenesis of miR-22 target sites in the GR 3'UTR.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 2288

Date entered 6.11.09

Constructed by Deo & Marcela

Date constructed Oct 09

PLASMID NAME

pSR.miR-124

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSuper-Retro

bacterial plasmid

other relevant source constructs

pSR.miR-009

Inserts miR-124 cloned into pSR to be expressed as an shRNA. pSR was cut with BglIII and XhoI.

miR-124 TAAGGCACGCGGTGAATGCC

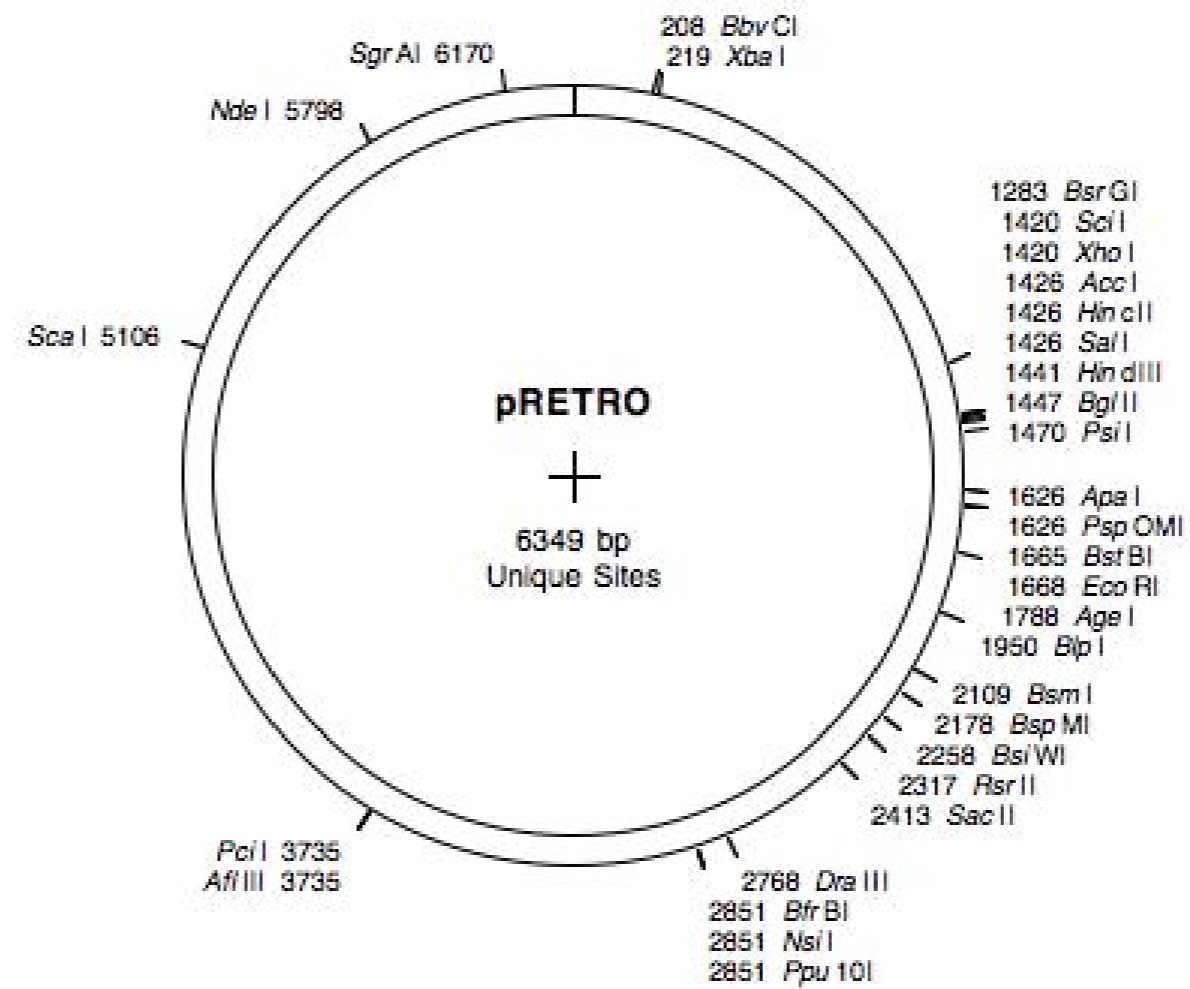
Reporter gene

Promoter,
splice,
PolyA

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

For GR 3'UTR

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.11.09

Constructed by Deo & Marcela

Date constructed Oct 09

PLASMID NAME

pSR.miR-142

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSuper-Retro

bacterial plasmid

other relevant source constructs

pSR.miR-009

Inserts miR-142 cloned into pSR to be expressed as an shRNA. pSR was cut with BglIII and XhoI.

miR-142 **CATAAAGTAGAAAGCACTACT**

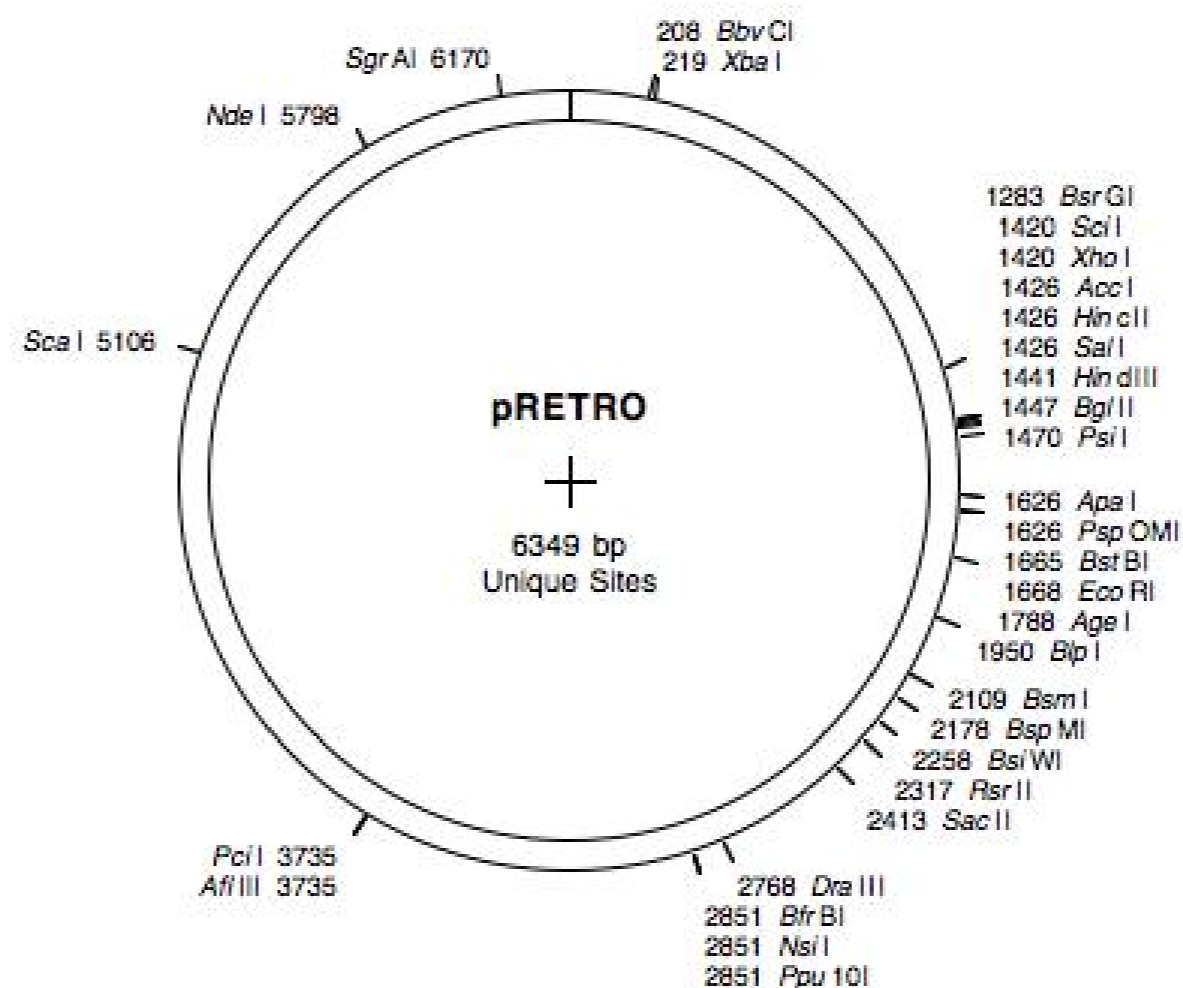
Reporter gene

Promoter,
splice,
PolyA

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

For GR 3'UTR

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.11.09

Constructed by Deo & Marcela

Date constructed Oct 09

PLASMID NAME

pSR.miR-183

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSuper-Retro

bacterial plasmid

other relevant source constructs

pSR.miR-009

Inserts miR-183 cloned into pSR to be expressed as an shRNA. pSR was cut with BglIII and XhoI.

miR-183 TATGGCACTGGTAGAATTCACT

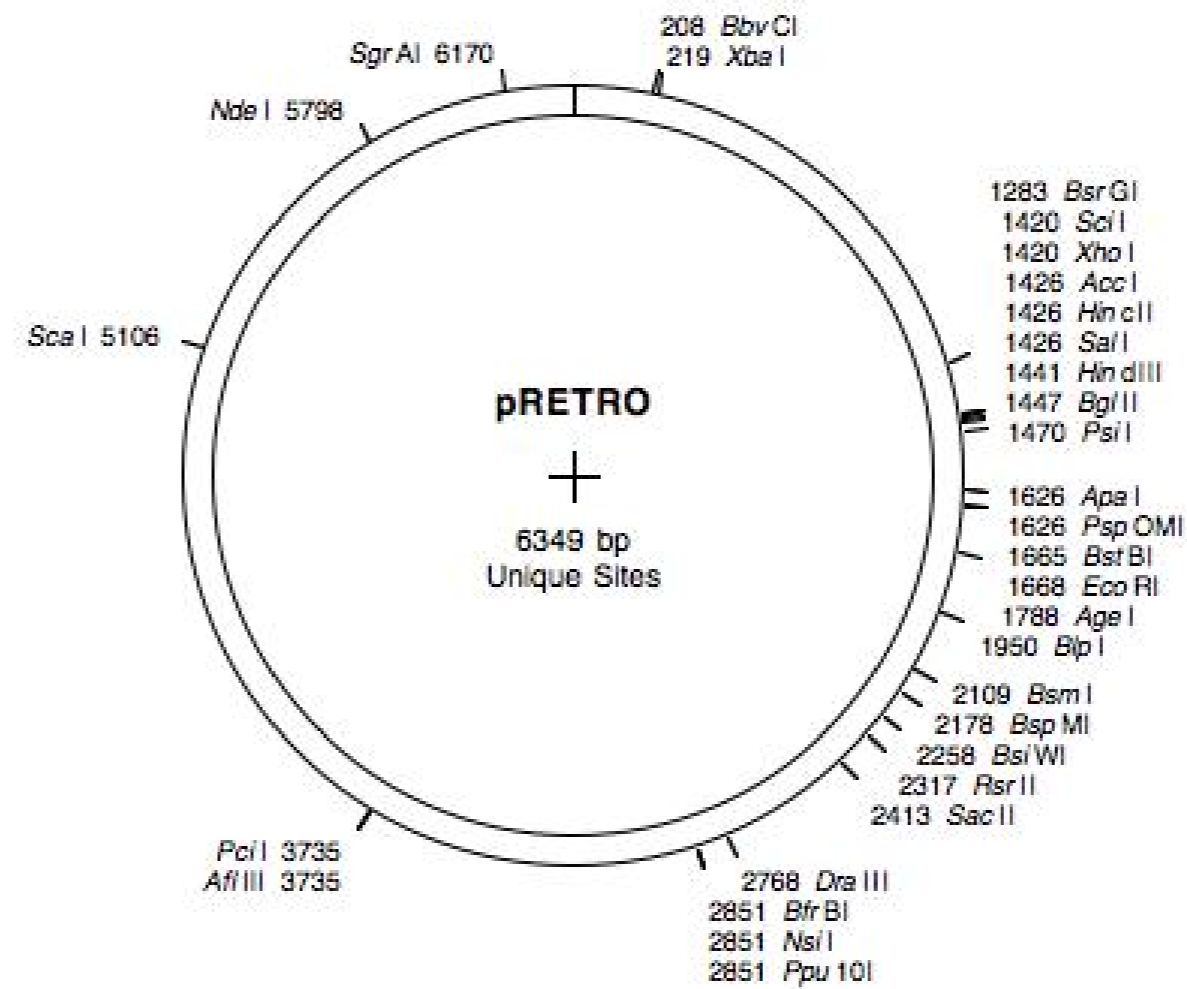
Reporter gene

Promoter,
splice,
PolyA

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

For GR 3'UTR

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.11.09

Constructed by Deo Prakash Pandey

Date constructed Oct 09

PLASMID NAME

pSR.miR-22-m3

bacterial marker Amp

vertebrate marker Puromycin

parent vector
pSuper-Retro

bacterial plasmid

other relevant source constructs

pSR.miR-009

Inserts miR-22-m3 cloned into pSR to be expressed as an shRNA. pSR was cut with BglIII and XhoI. The mutated site are in blue.

miR-22-m3 AACGAGCCAGTTGAAGAACTGT

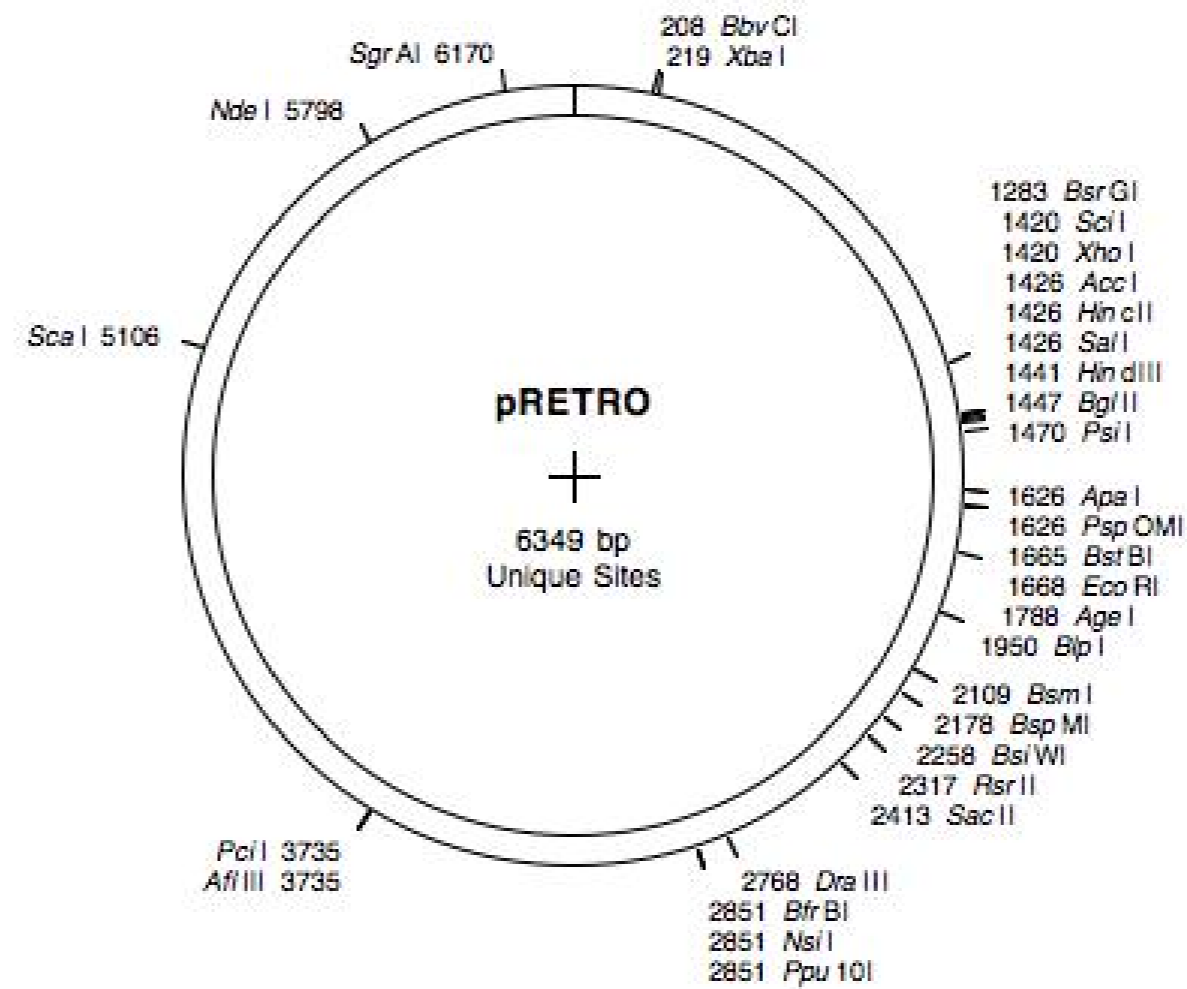
Reporter gene

**Promoter,
splice,
PolyA**

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

For GR 3'UTR

Reference This construct was not reported in (Pandey and Picard, 2009, MCB)



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.11.09

Constructed by Deo Prakash Pandey

Date constructed Oct 09

PLASMID NAME

pSR.sh-FXR1

<u>bacterial marker</u> Amp	<u>parent vector</u> pSuper-Retro
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u> pSR.miR-009

Inserts shRNA against FXR1 as reported by (Vasudevan et al, 2007) cloned into pSR to be expressed as an shRNA. pSR was cut with BglIII and XhoI. The mutated site are in blue.

sh-FXR1 TATAAGACCTAGAACCAATCTGT

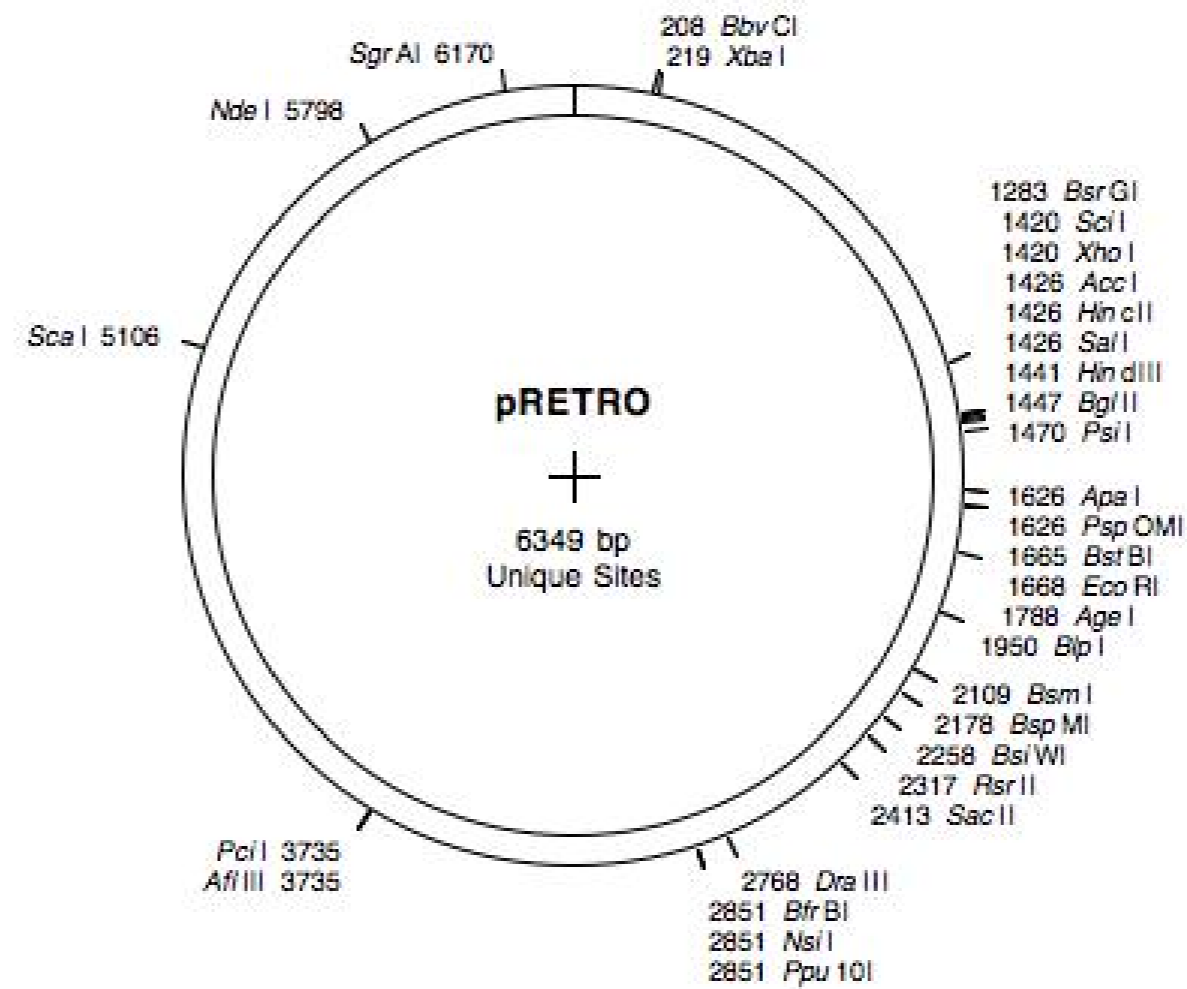
Reporter gene

Promoter,
splice,
PolyA

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

For GR 3'UTR

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2293

Date entered

6.11.09

Constructed by

Deo Prakash Pandey

Date constructed

Oct 07

PLASMID NAME

pSR.sh-GFP

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSuper-Retro

bacterial plasmid

other relevant source constructs

pSR.miR-009

Inserts

shRNA against EGFP as reported by (Donze et al, 2003) cloned into pSR to be expressed as an shRNA. pSR was cut with BglII and XhoI. The mutated site are in blue.

sh-GFP **CGGCAAGCTGACCCTGAAGTTC**

Reporter gene

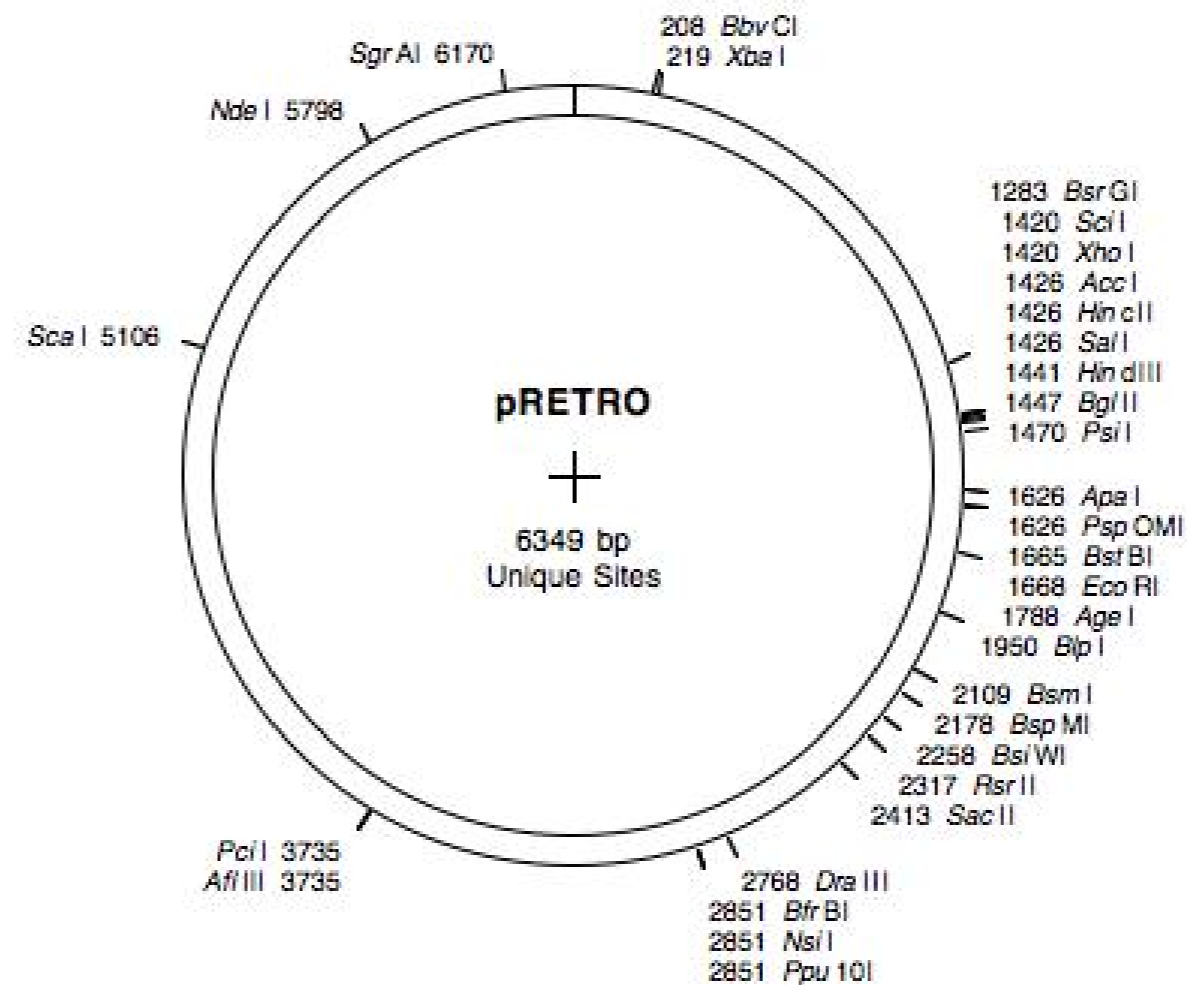
Promoter,
splice,
PolyA

Comments

Insert verified with sequencing. Find the insert (reverse orientation) in sequences

Reference

Pandey DP, Picard D. (2009) Mol Cell Biol. 29 (13):3783-90.



DIDIER PICARD LAB, University of Geneva

Construct number 2294

Date entered 20.11.09

Constructed by Diana WIDER & Tai WANG

Date constructed 15.11.09

PLASMID NAME

pHGF/TcHsp90

bacterial marker Amp

parent vector

pHGF/Hsp90alpha (DP Plasmid no.2136)

yeast marker HIS3

bacterial plasmid

Bluescript

eukaryotic replicon CEN/ARS

other relevant source constructs

p2HG / TC

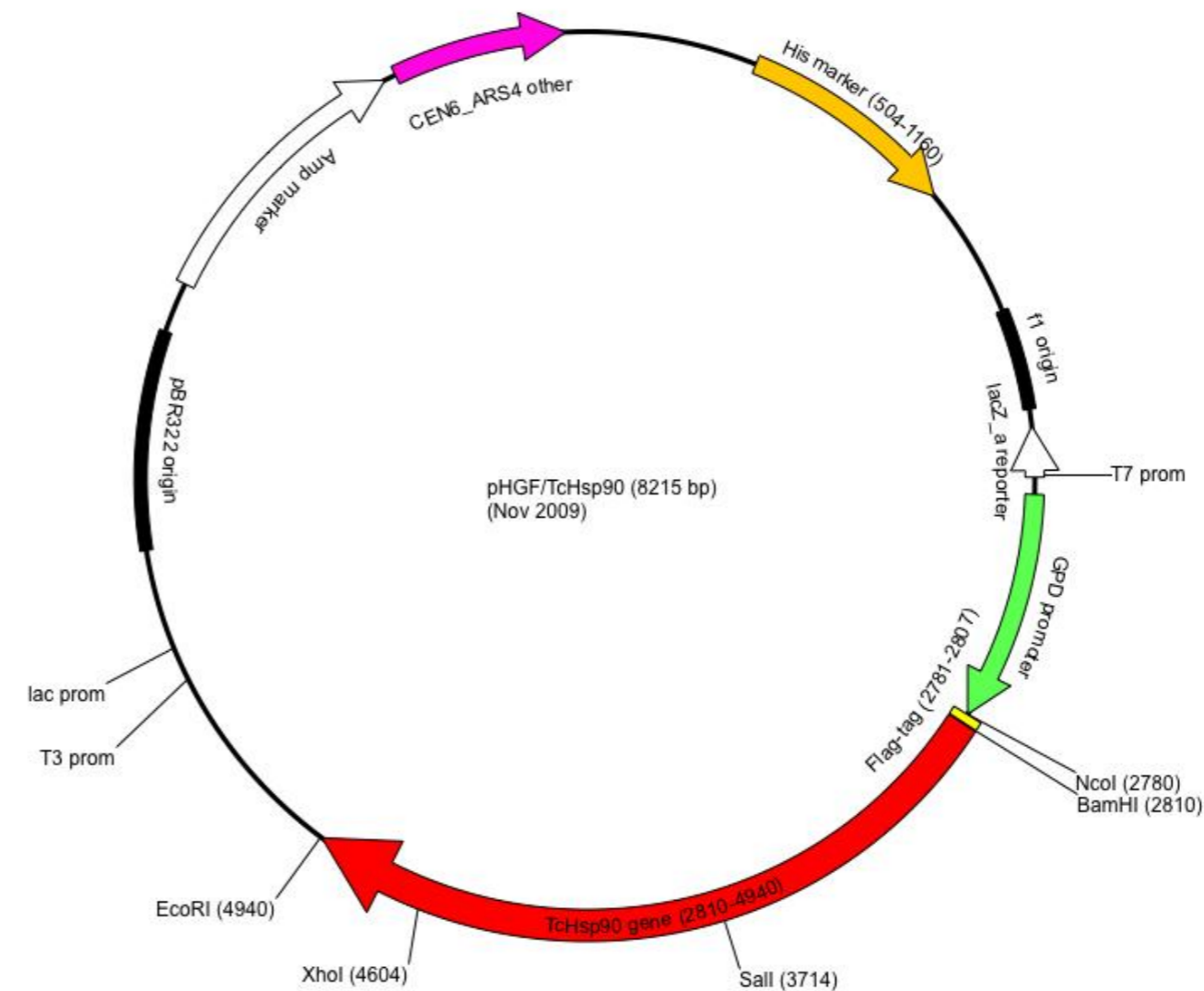
Inserts *Trypanosoma cruzi* Hsp90 with Flag at 5' of the insert.

Reporter gene

Promoter, splice, PolyA - GPD promoter

Comments The 5' part of the insert (TcHsp90) is generated by PCR using template p2HG / TC (DP Plasmid no.471) flanked by BamHI and Sall. The rest of the downstream part of the insert is taken from the same vector (p2HG/TC) between Sall and EcoRI. pHGF parental vector is originated from pHGF/Hsp90alpha (DP Plasmid no.2136) cut by BamHI and EcoRI.

Reference cDNA reference:
"The genome of *Trypanosoma cruzi* contains a constitutively expressed, tandemly arranged multicopy gene homologous to a major heat shock protein"
Dragon EA, Sias SR, Kato EA, Gabe JD.



DIDIER PICARD LAB, University of Geneva

Construct number 2295

Date entered 20.11.09

Constructed by Diana Wider & Tai WANG

Date constructed 15.11.09

PLASMID NAME

pHGF/LdHsp90

bacterial marker Amp

yeast marker HIS3

eukaryotic replicon CEN/ARS

parent vector

pHGF/Hsp90alpha (DP Plasmid no.2136)

bacterial plasmid

Bluescript

other relevant source constructs

pJC45/LdHsp90 (DP plasmid no. 2136)

Inserts *Leishmania donovani* Hsp90 with Flag-tag at 5'

NB: The cDNA donor vector lacks sequences that constitute a half of the protein's first alpha-helix. Additional sequences are added at the beginning of the insert by using a long forward primer during the PCR which also generates the 5' BamHI site (is cDNA donor vector, the insert is flanked by NdeI and EcoRI):

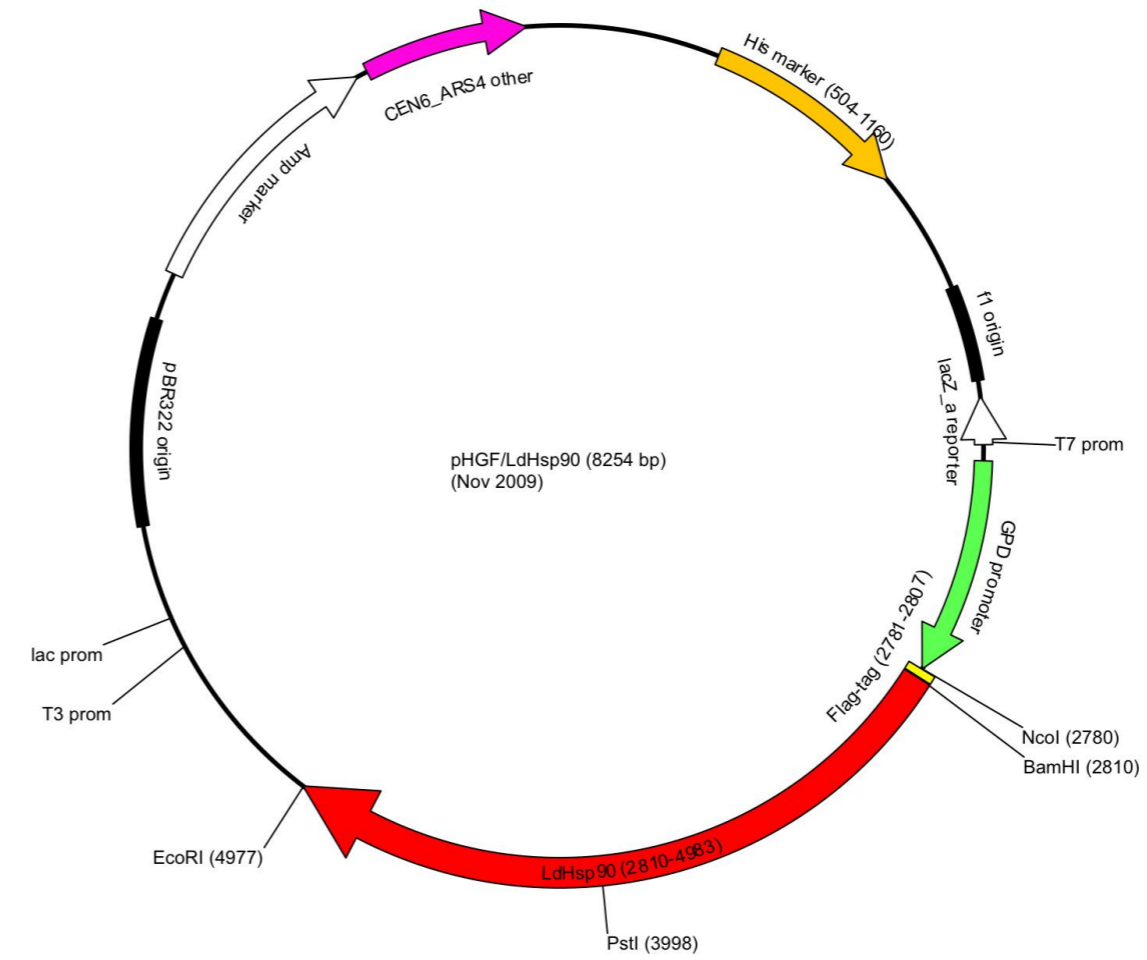
LdHsp90-BamHI-fwd
 CCC CGG ATC CCT ATG ACT GAA ACT TTT GCT TTT CAA GCT GAA
 A TT AAT CAA TTA ATG TCG CTG ATC ATC

Reporter gene

Promoter, - GPD promoter
splice,
PolyA

Comments The 5' part of the insert (LdHsp90) is generated by PCR using template pJC45/LdHsp90 (DP Plasmid no.2136) flanked by BamHI and PstI. The rest of the downstream part of the insert is taken from the same vector (p2HG/TC) between PstI and EcoRI. pHGF parental vector is originated from pHGF/Hsp90alpha (DP Plasmid no.2136) cut by BamHI and EcoRI.

Reference



Construct number

2296

Date entered

5.12.09

Constructed by

Malcolm Parker lab

Date constructed

< 92

PLASMID NAME

G4GR I-762A/I-763A

bacterial marker Amp

parent vector

pSG424 ?

bacterial plasmid

other relevant source constructs

Inserts

GAL4 DNA binding domain (AA1-147) fused to hormone binding domain of mouse glucocorticoid receptor (mGR), AA 506-783.

Contains double point mutation I-762A/I-763A in the hormone binding domain.

Reporter gene

Promoter,
splice,
PolyA

Comments probably in a eukaryotic expression vector (see Sadowski and Ptashne).

Reference for mutant: Danielian et al. (1992) EMBO J. **11**, 1025-1033.
for pSG424: Sadowski and Ptashne (1989) NAR **17**, 7539-

DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Diana Wider

Date entered 8.12.09
 Date constructed 8.2009

PLASMID NAME

pSG5/7B1

bacterial marker Amp	parent vector pSG5
eucaryotic replicon SV40 ori	bacterial plasmid Bluescribe M13+
	other relevant source constructs

Inserts Human Cyp7B1

Reporter gene

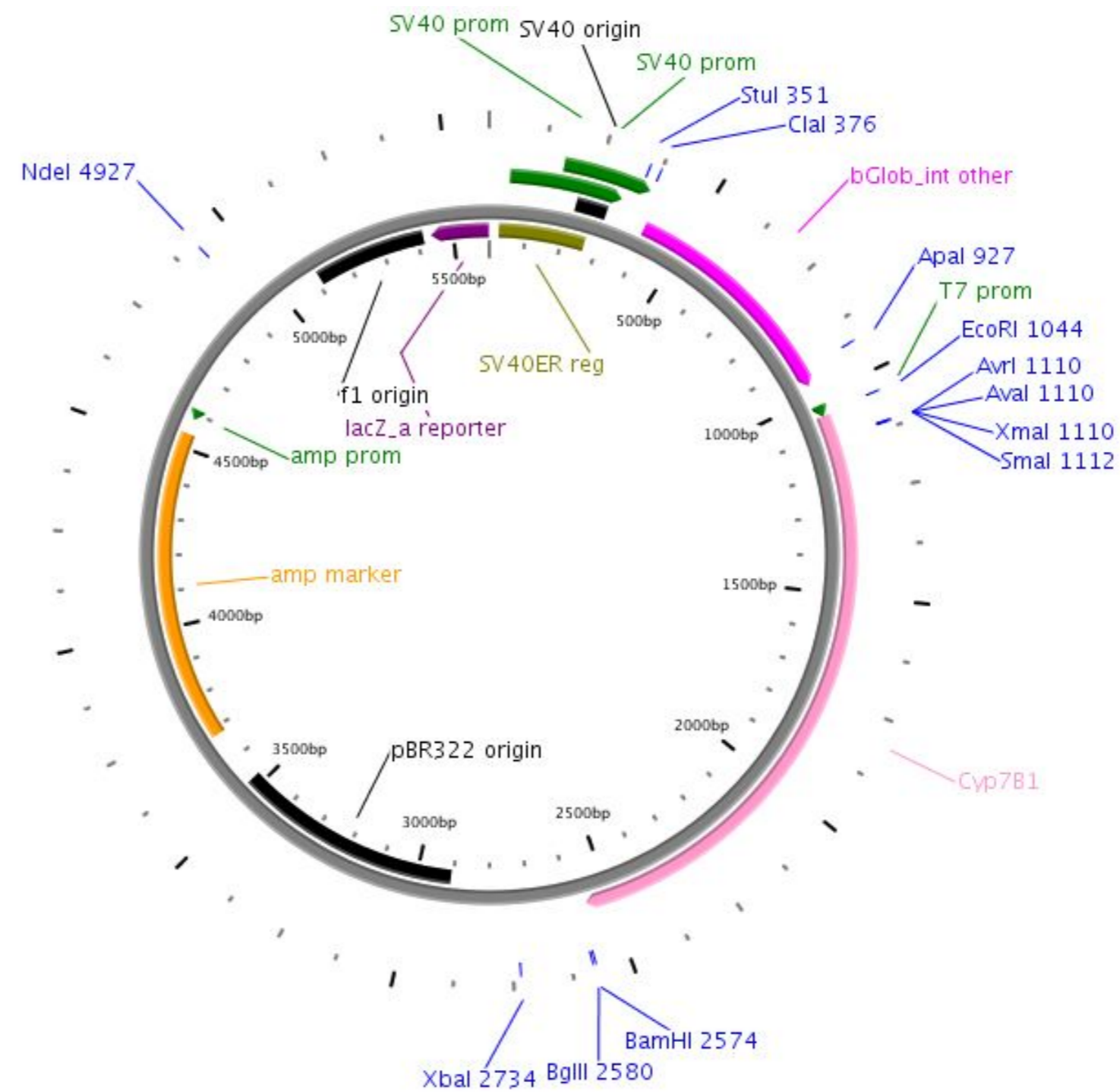
Promoter, splice, PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

- expression vector replicates in COS cells.
- note that our Cyp7B1 sequence contains an H324 instead of an R324
- sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Diana Wider

Date entered 8.12.09
 Date constructed 8.2009

PLASMID NAME

pSG5/7B1myc

bacterial marker Amp	parent vector pSG5
eucaryotic replicon SV40 ori	bacterial plasmid Bluescribe M13+
	other relevant source constructs

Inserts Human Cyp7B1 with C-terminal myc tag

Reporter gene

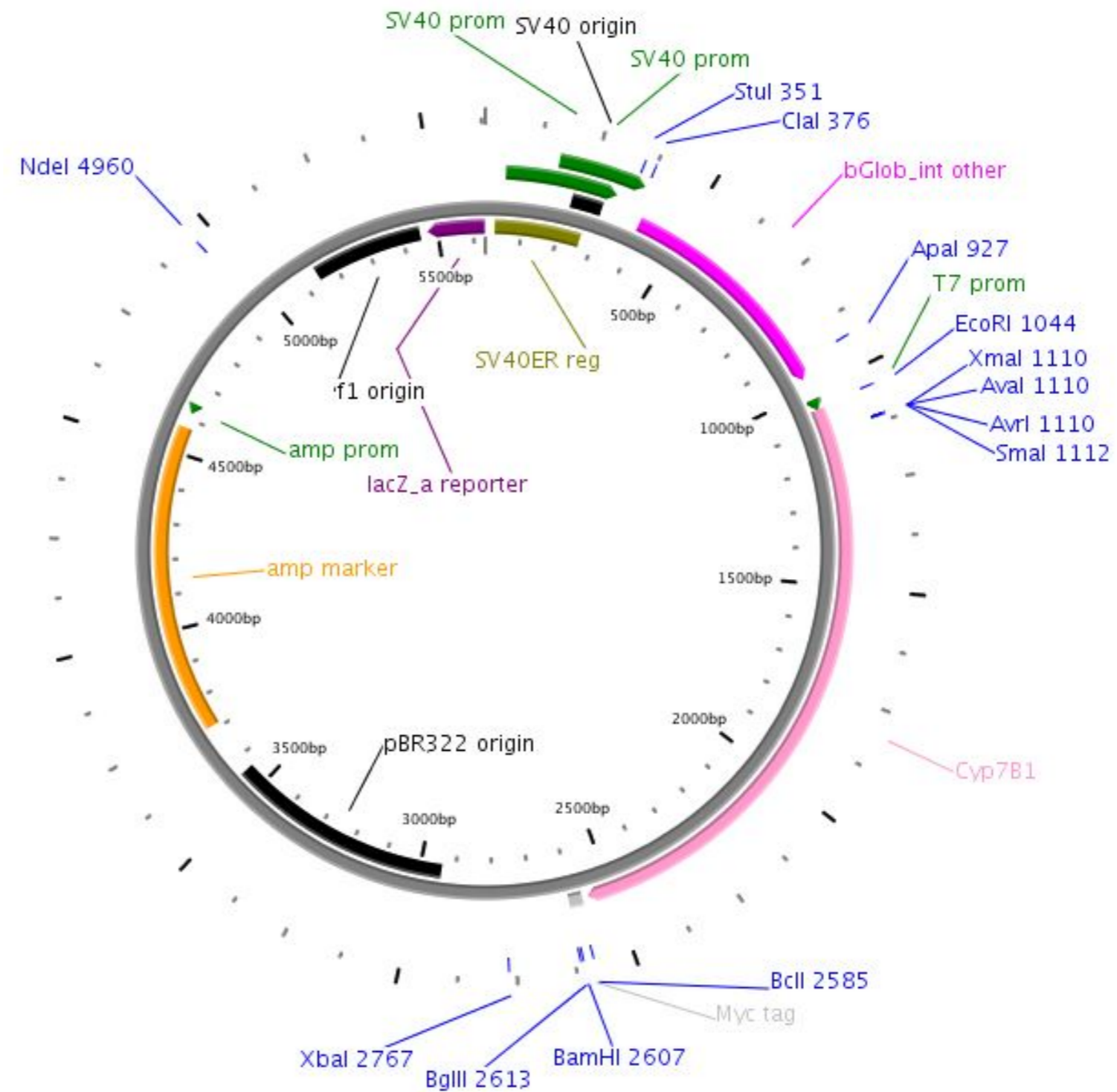
Promoter, splice, PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β-globin IVS2.
- SV40 polyA site.

Comments

- expression vector replicates in COS cells.
- note that our Cyp7B1 sequence contains an H324 instead of an R324
- sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Diana Wider

Date entered 8.12.09
 Date constructed 8.2009

PLASMID NAME

pSG5/7B1(C449A)

bacterial marker Amp	parent vector pSG5
eucaryotic replicon SV40 ori	bacterial plasmid Bluescribe M13+
	other relevant source constructs

Inserts Human Cyp7B1 with point mutation C449A

Reporter gene

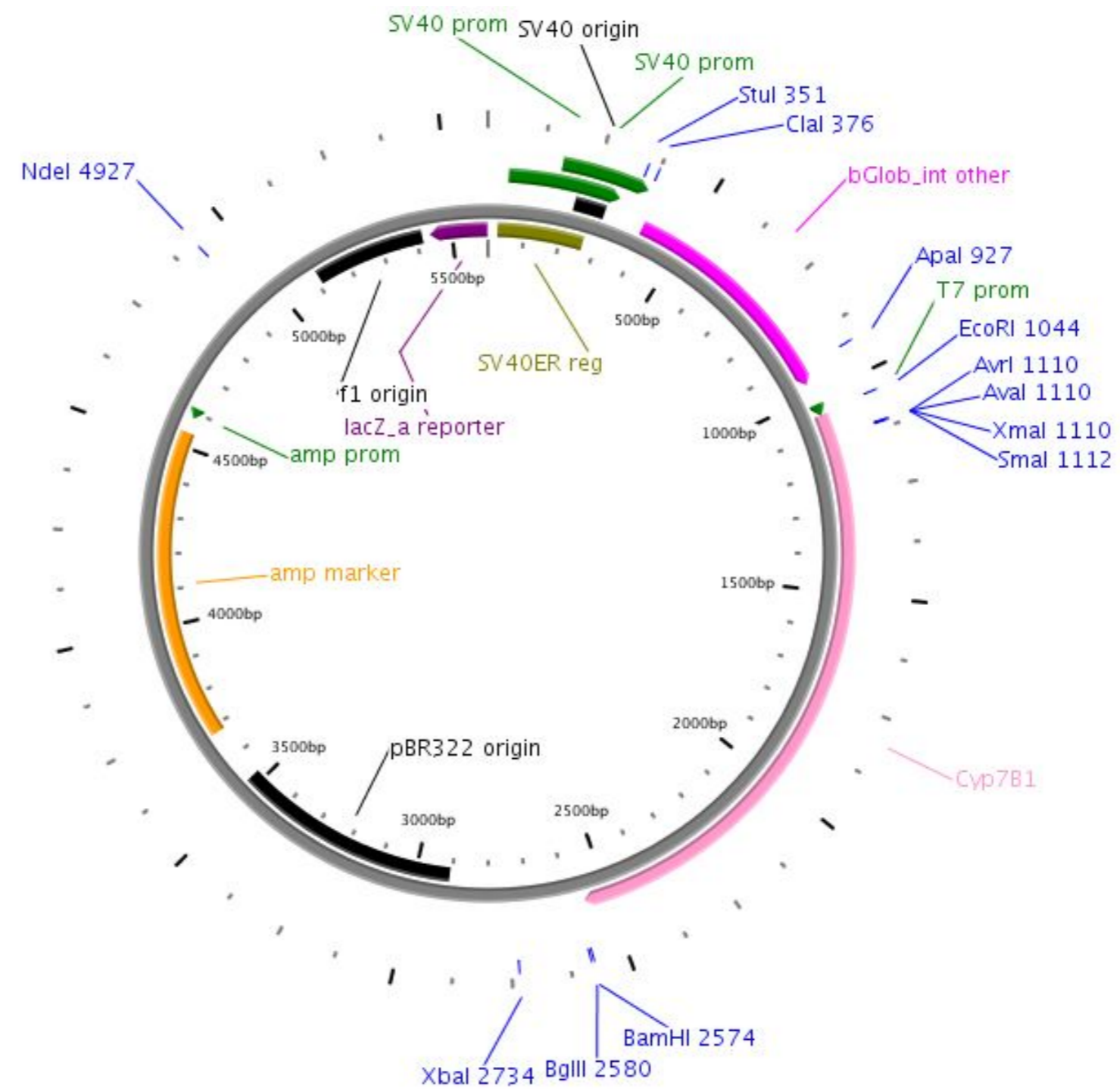
Promoter, splice, PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

- expression vector replicates in COS cells.
- note that our Cyp7B1 sequence contains an H324 instead of an R324
- sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Diana Wider

Date entered 8.12.09
 Date constructed 8.2009

PLASMID NAME

pSG5/7B1(C449A)myc

bacterial marker Amp	parent vector pSG5
eucaryotic replicon SV40 ori	bacterial plasmid Bluescribe M13+
	other relevant source constructs

Inserts Human Cyp7B1 with point mutation C449A and C-terminal myc tag

Reporter gene

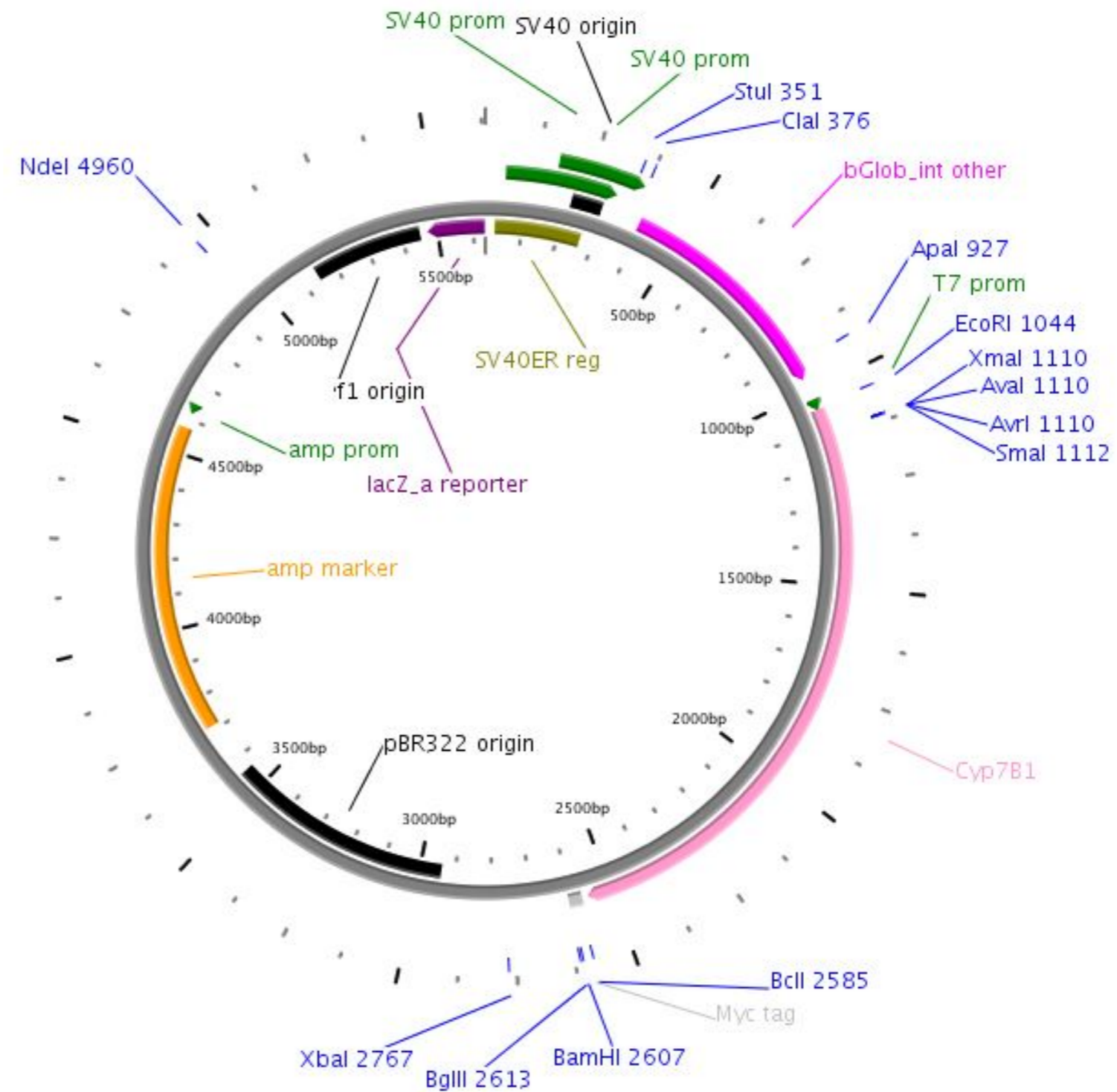
Promoter, splice, PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β-globin IVS2.
- SV40 polyA site.

Comments

- expression vector replicates in COS cells.
- note that our Cyp7B1 sequence contains an H324 instead of an R324
- sequence available

Reference



Construct number

Date entered 15.12.09

Constructed by Evrogen

Date constructed

PLASMID NAME

pTurboRFP-PRL

bacterial marker Kan

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

bacterial plasmid

pUC

other relevant source constructs

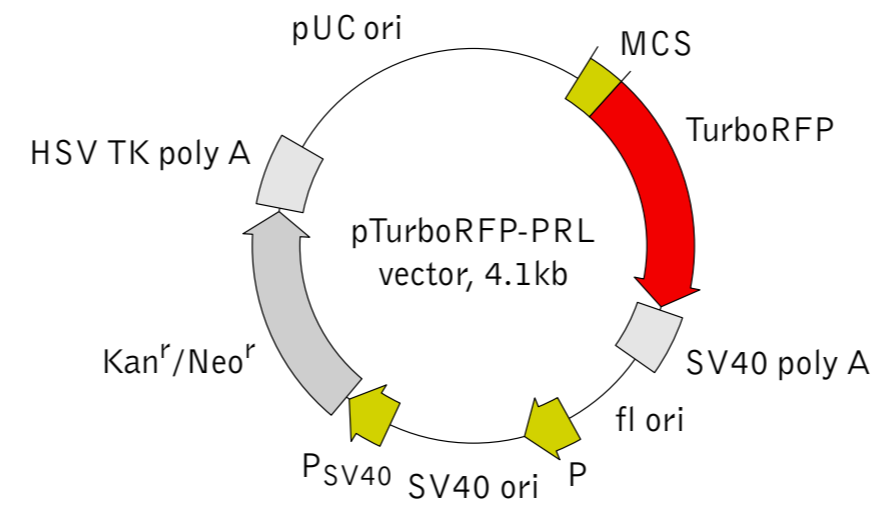
Inserts Red fluorescent protein TurboRFP from *Entacmaea quadricolor*; with humanized codon usage

Reporter gene

Promoter, - no promoter for TurboRFP
splice, - SV40 poly A
PolyA

Comments - sequence available

Reference <http://www.evrogen.com/support/vector-info.shtml>



Multiple cloning site (MCS)

Afe I *Xho I* *Hind III* *Pst I* *Kpn I* *Apa I* *BamH I* *TurboRFP*
... A . GCG . CTA . CCG . GAC . TCA . GAT . CTC . GAG . CTC . AAG . CTT . CGA . ATT . CTG . CAG . TCG . ACG . GTA . CCG . CGG . GCC . CGG . GAT . CCA . CCG . GTC . GCC . ACC . ATG . A ...
Bgl II *Sac I* *EcoR I* *Sal I* *Sac II* *Sma I/Xma I* *Age I*

Construct number 2302

Date entered 15.12.09

Constructed by Evrogen

Date constructed

PLASMID NAME

pTurboRFP-PRL-dest1

bacterial marker Kan

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

bacterial plasmid

pUC

other relevant source constructs

Inserts

Destabilized red fluorescent protein TurboRFP from Entacmaea quadricolor.

Residues 422-461 of mouse ornithine decarboxylase (MODC) were fused to the TurboRFP C-terminus. This MODC region contains a PEST amino acid sequence that targets the protein for degradation and provides for rapid protein turnover.

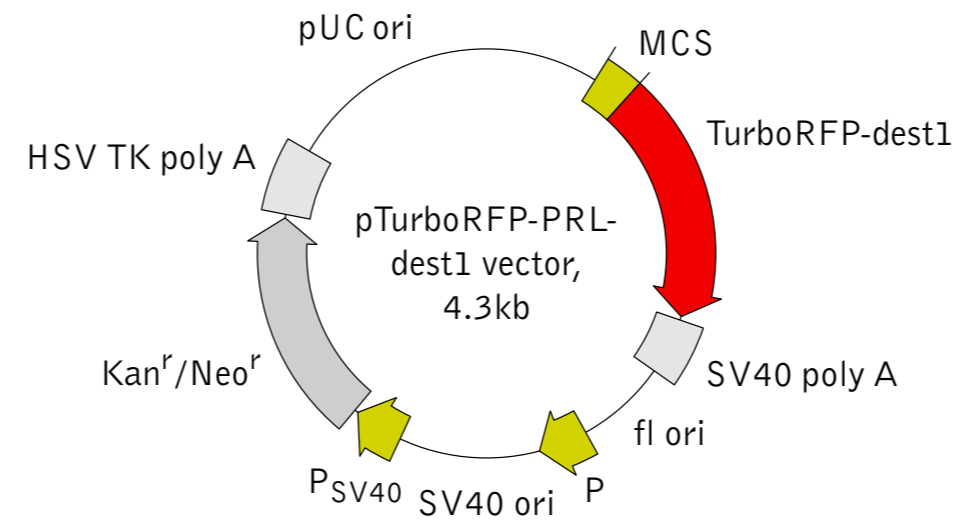
Humanized codon usage.

Reporter gene

Promoter, splice, PolyA - no promoter for TurboRFP - SV40 poly A

Comments - sequence available

Reference http://www.evrogen.com/support/vector-info.shtml



Multiple cloning site (MCS)

$\xrightarrow{\text{Afe I}}$
 $\xrightarrow{\text{Xho I}}$
 $\xrightarrow{\text{Hind III}}$
 $\xrightarrow{\text{Pst I}^*}$
 $\xrightarrow{\text{Kpn I}}$
 $\xrightarrow{\text{Apa I}}$
 $\xrightarrow{\text{BamH I}}$
 $\xrightarrow{\text{TurboRFP-dest1}}$
 ... A . GCG . CTA . CCG . GAC . TCA . GAT . CTC . GAG . CTC . AAG . CTT . CGA . ATT . CTG . CAG . TCG . ACG . GTA . CCG . CGG . GCC . CGG . GAT . CCA . CCG . GTC . GCC . ACC . ATG . A ...

* - not unique sites.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.12.09

Constructed by Lilia Bernasconi

Date constructed 12.2009

PLASMID NAME

pC1/rGR.GG

bacterial marker Amp	parent vector pcDNA3.1(+)
vertebrate marker Neo (G418)	bacterial plasmid pUC
eukaryotic replicon SV40 ori	other relevant source constructs Flag.GR and intermediate clone

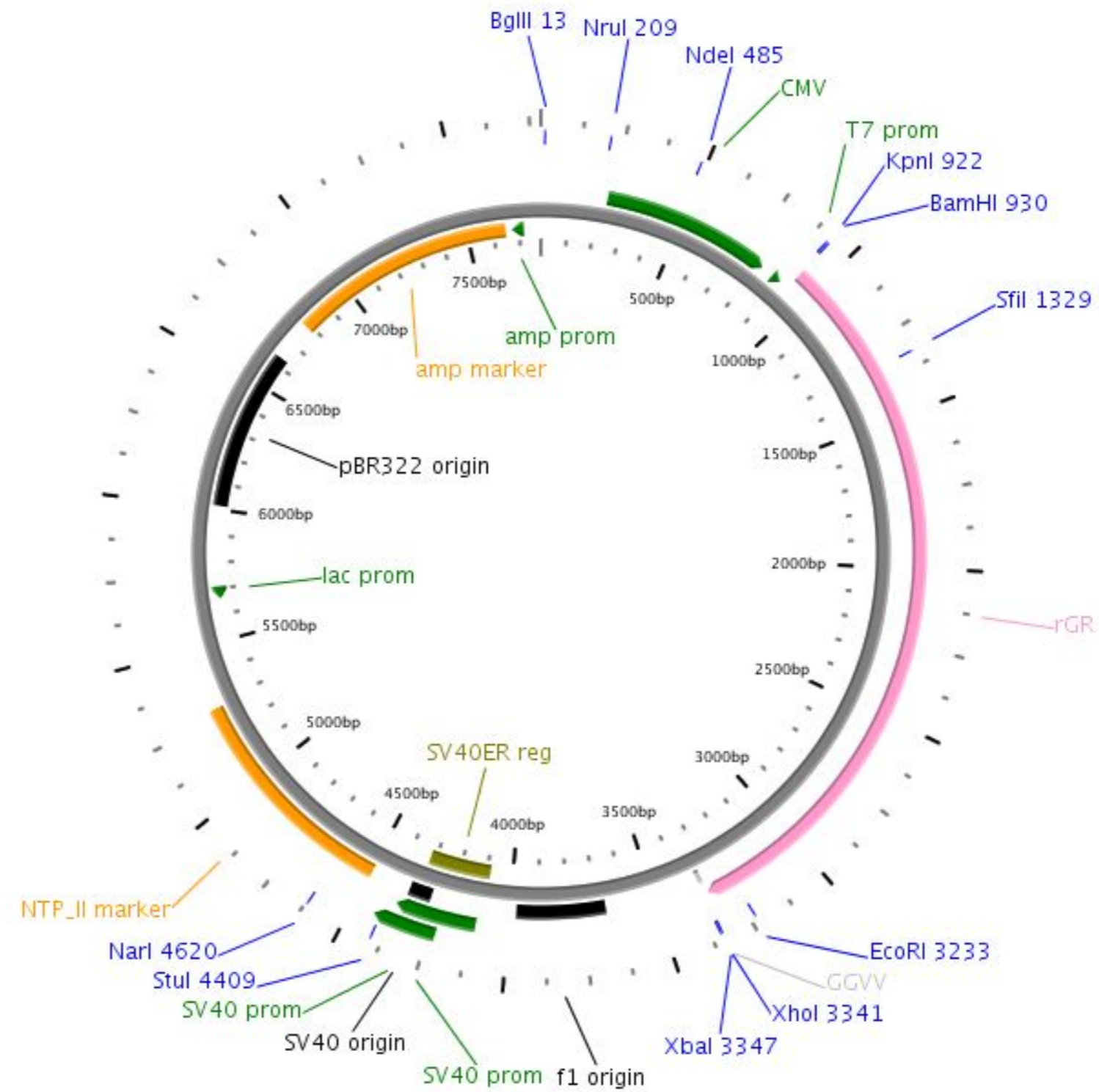
Inserts Epitope GGVV at C-terminus of rat GR

Reporter gene

Promoter, splice, PolyA
 - CMV enhancer/promoter
 - T7
 - BGH poly A sequence

Comments
 - sequence available
 - this GR sequence and parent plasmids seem to have a E695K change; it is unclear whether this is a polymorphism or a mutation in an early GR plasmid.

Reference



Construct number

Date entered 22.12.09

Constructed by Invitrogen

Date constructed

PLASMID NAME

pcDNA3.1(-)/myc-His A

The file cannot be found:
pcdna3_1mychis-_map.pdf

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

bacterial plasmid

pUC

other relevant source constructs

Inserts polylinker - myc epitope - His6 tag - stop codon

Reporter gene

Promoter, - CMV promoter: bases 209-863
splice, - T7 promoter/priming site: bases 863-882
PolyA - BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments - sequence available

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 2305
Constructed by Diana Wider

Date entered 21.1.10
Date constructed 01.2010

PLASMID NAME

ETturbo

bacterial marker Kan	parent vector pTurboRFP-PRL
vertebrate marker Neo (G418)	bacterial plasmid pUC
eukaryotic replicon SV40 ori	other relevant source constructs ETmitoCh

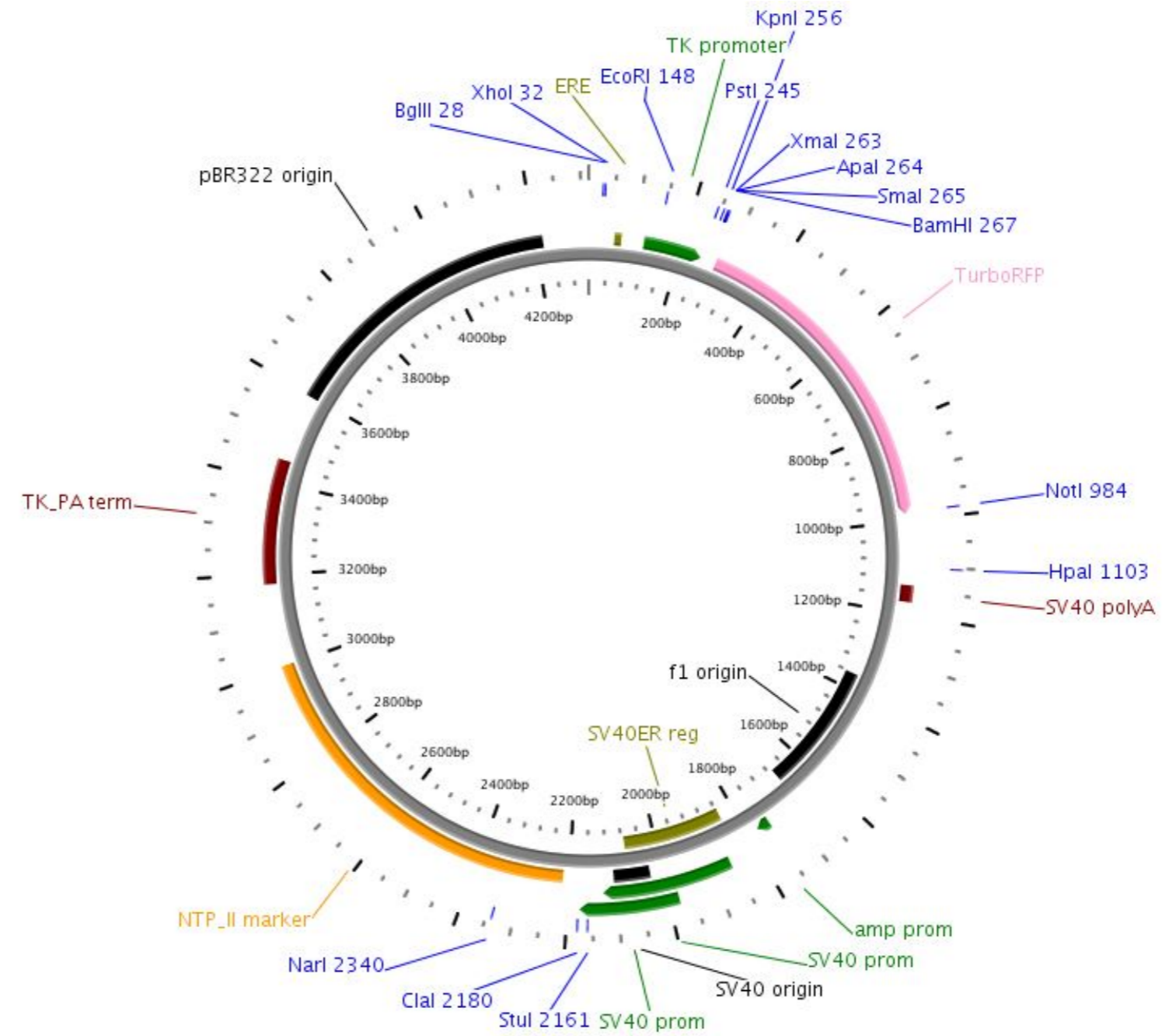
Inserts ERE upstream of TK promoter driving TurboRFP

Reporter gene TurboRFP

Promoter, splice, PolyA
 - ERE from Xenopus vitellogenin A2 gene
 - HSV thymidine kinase (TK) promoter (-109 to +13)

Comments
 - sequence available
 - note that BamHI upstream of ERE is destroyed by fusion with Bgl2.
 - By microscopy, there is barely any difference +/- ER induction

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 2306
Constructed by Diana Wider

Date entered 21.1.10
Date constructed 01.2010

PLASMID NAME

ETturbo-dest

bacterial marker Kan	parent vector pTurboRFP-PRL-dest1
vertebrate marker Neo (G418)	bacterial plasmid pUC
eukaryotic replicon SV40 ori	other relevant source constructs ETturbo

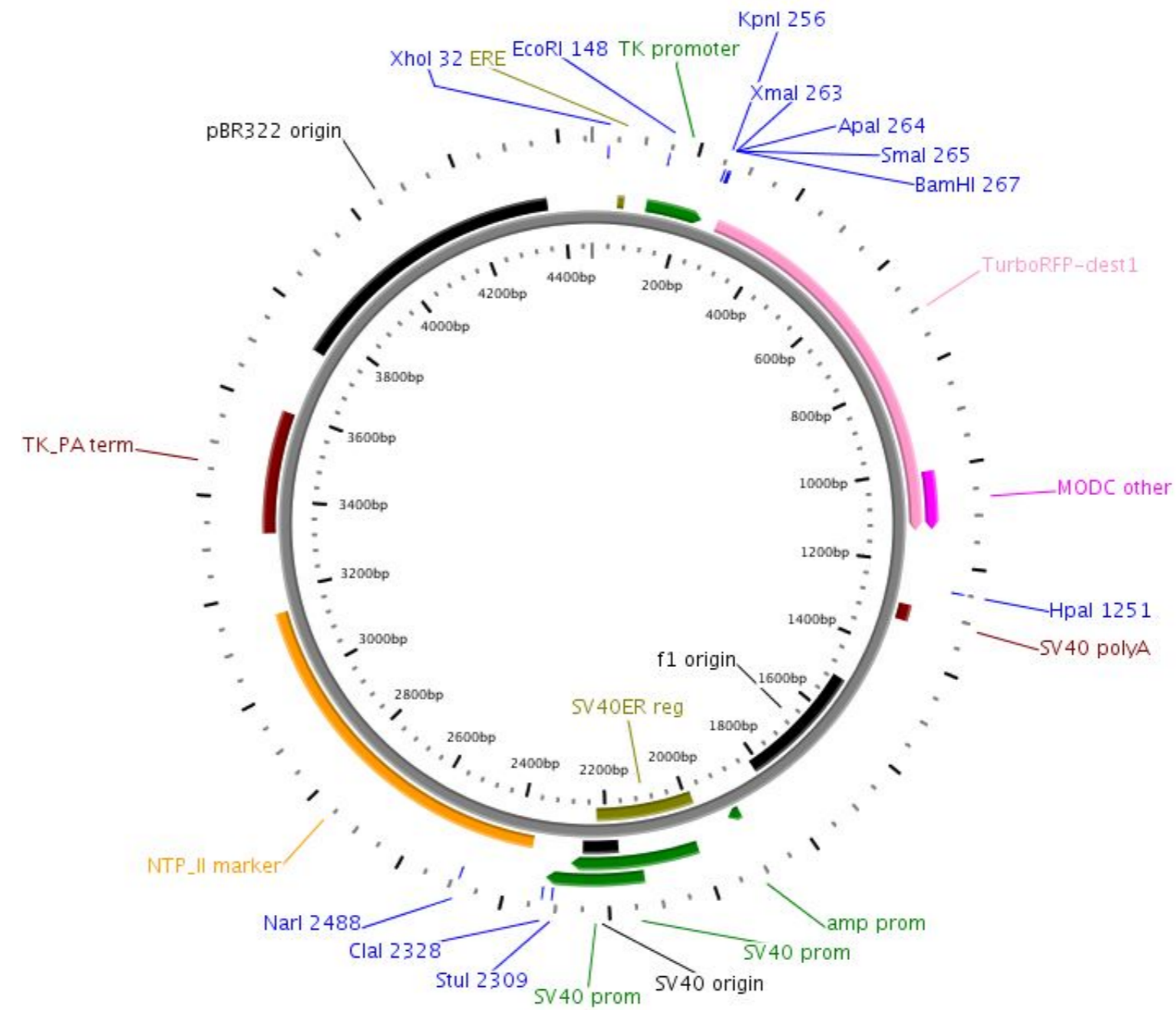
Inserts ERE upstream of TK promoter driving TurboRFP destabilized with MODC PEST sequence

Reporter gene TurboRFP-dest1

Promoter, splice, PolyA
 - ERE from Xenopus vitellogenin A2 gene
 - HSV thymidine kinase (TK) promoter (-109 to +13)

Comments
 - sequence available
 - note that BamHI upstream of ERE is destroyed by fusion with Bgl2.
 - could not detect anything by microscopy

Reference



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Diana Wider

Date entered 21.1.10
 Date constructed 01.2010

PLASMID NAME

G₄₆Turbo

bacterial marker Kan	parent vector pTurboRFP-PRL
vertebrate marker Neo (G418)	bacterial plasmid pUC
eukaryotic replicon SV40 ori	other relevant source constructs G46TmitoCh

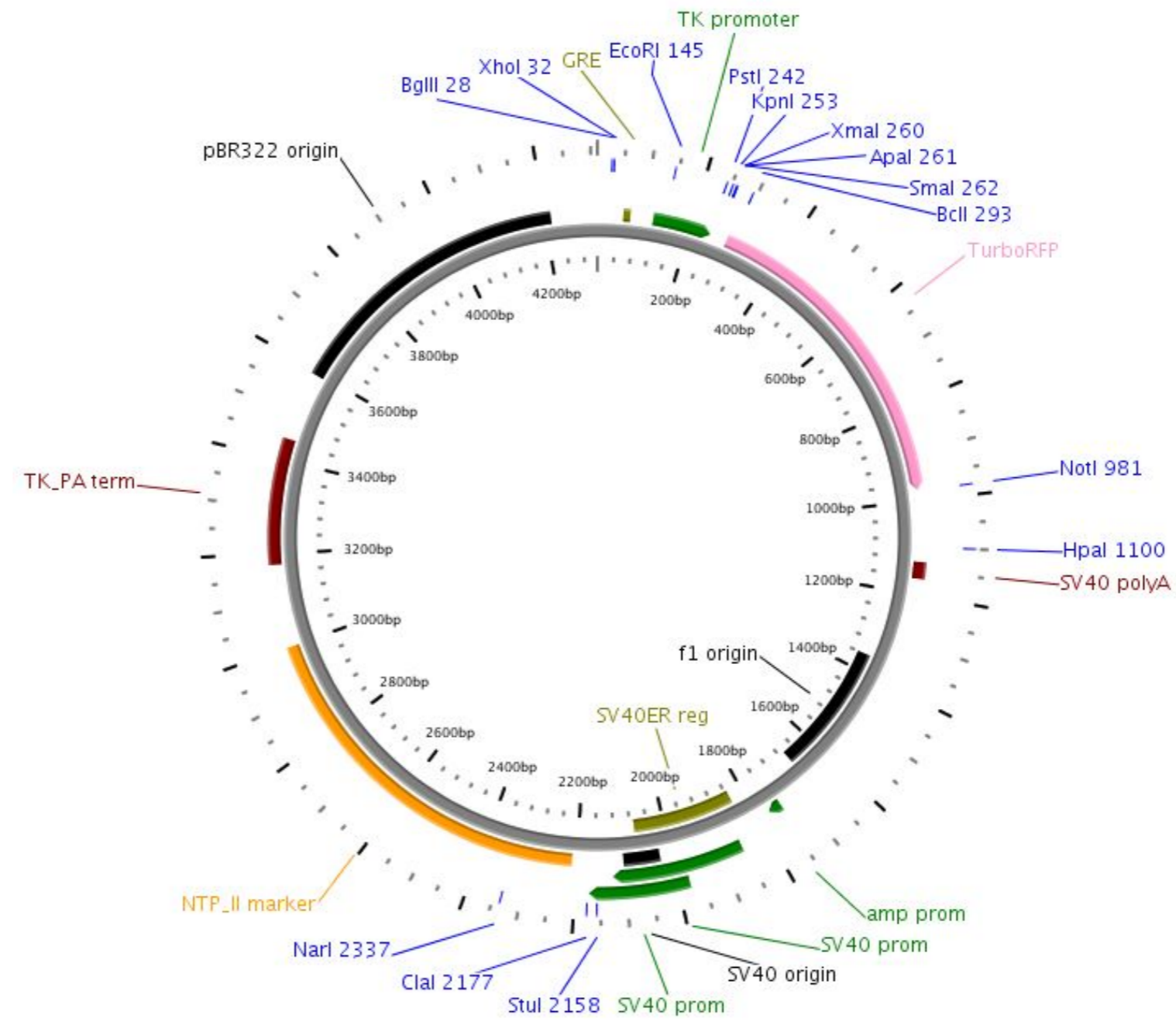
Inserts GRE upstream of TK promoter driving TurboRFP

Reporter gene

Promoter, splice, PolyA
 - synthetic 46 nt dimer GRE (palindromic)
 - HSV thymidine kinase (TK) promoter (-109 to +13)

Comments
 - sequence available
 - By microscopy, there is barely any difference +/- GR induction

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 2308
Constructed by Diana Wider

Date entered 21.1.10
Date constructed 01.2010

PLASMID NAME

G₄₆Tturbo-dest

bacterial marker Kan	parent vector pTurboRFP-PRL-dest1
vertebrate marker Neo (G418)	bacterial plasmid pUC
eukaryotic replicon SV40 ori	other relevant source constructs G46Turbo

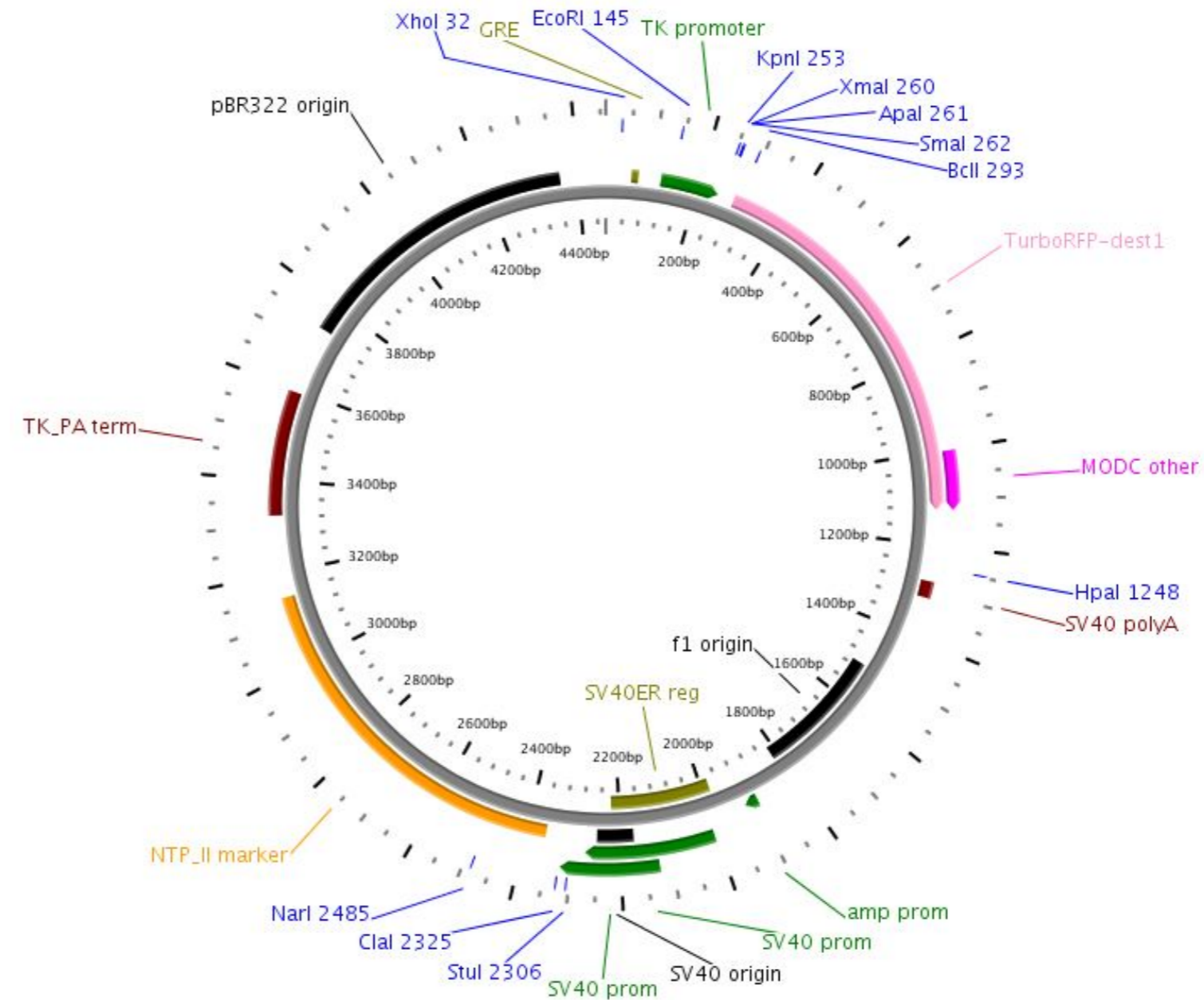
Inserts GRE upstream of TK promoter driving TurboRFP destabilized with MODC PEST sequence

Reporter gene TurboRFP-dest1

Promoter, splice, PolyA
 - synthetic 46 nt dimer GRE (palindromic)
 - HSV thymidine kinase (TK) promoter (-109 to +13)

Comments
 - sequence available
 - could not detect anything by microscopy

Reference



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Diana Wider

Date entered 25.1.10
 Date constructed 22.01.10

PLASMID NAME

pC/7B1myc

bacterial marker Amp	parent vector pcDNA3.1(-)/myc-His A
vertebrate marker Neo (G418)	bacterial plasmid pUC
eukaryotic replicon SV40 ori	other relevant source constructs pSG5/7B1myc

Inserts Human CyP7B1 with C-terminal myc tag

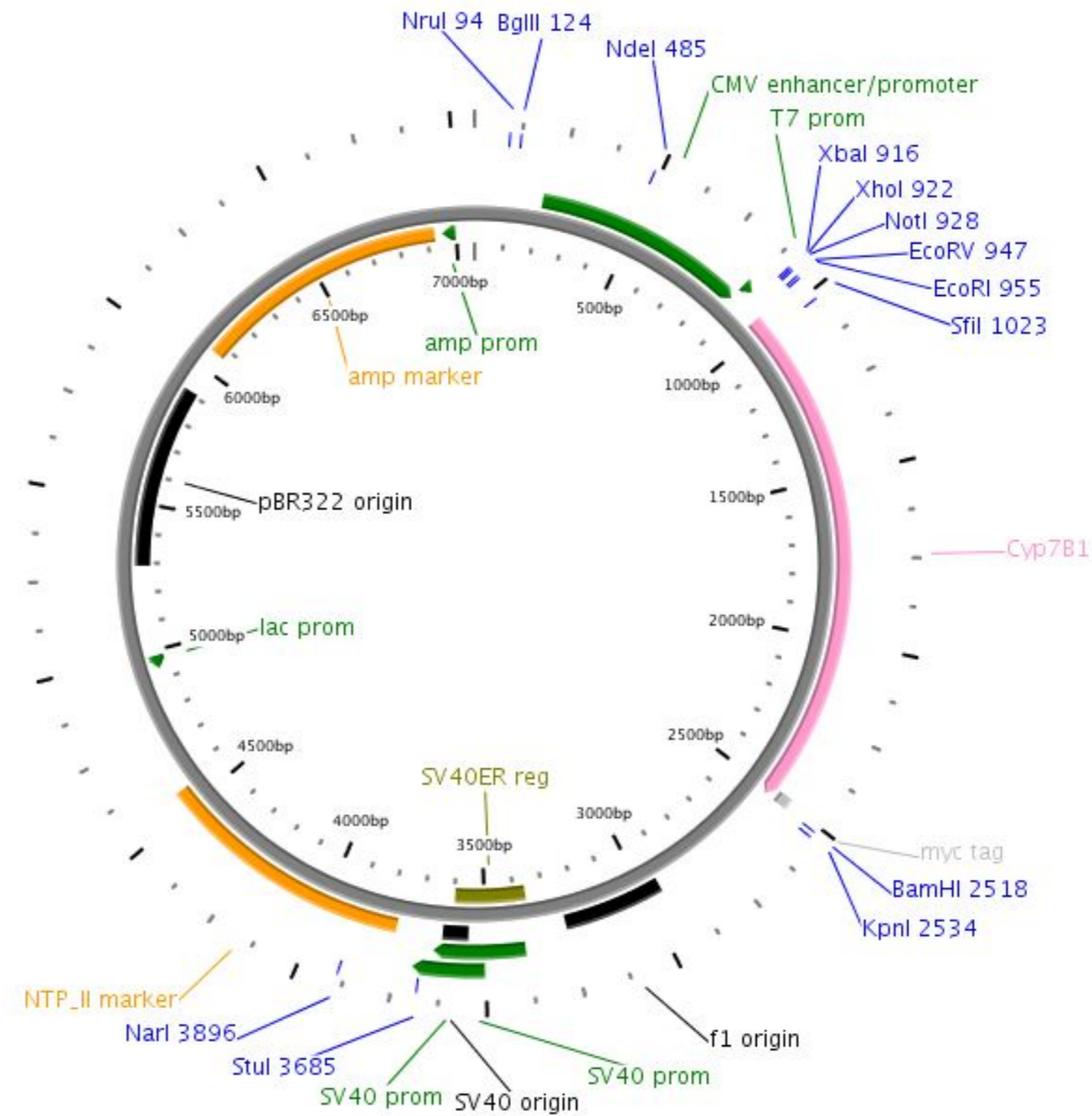
Reporter gene

Promoter, splice, PolyA

- CMV promoter: bases 209-863
- T7 promoter/priming site: bases 863-882
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2310

Date entered

19.2.10

Constructed by

Date constructed

PLASMID NAME

pcDNA/hPPAR β

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA

bacterial plasmid

pUC

other relevant source constructs

Inserts human PPAR β

Reporter gene

Promoter,
splice,
PolyA

- CMV promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments - original source and details of plasmid unknown

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 19.2.10

Constructed by

Date constructed

PLASMID NAME

pRSV/mPPAR γ 2

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA

bacterial plasmid

pUC

other relevant source constructs

Inserts mouse PPAR γ 2

Reporter gene

Promoter,
splice,
PolyA RSV enhancer/promoter

Comments - original source and details of plasmid unknown

Reference

DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Tai WANG

Date entered 15.3.10
 Date constructed 15.11.09

PLASMID NAME

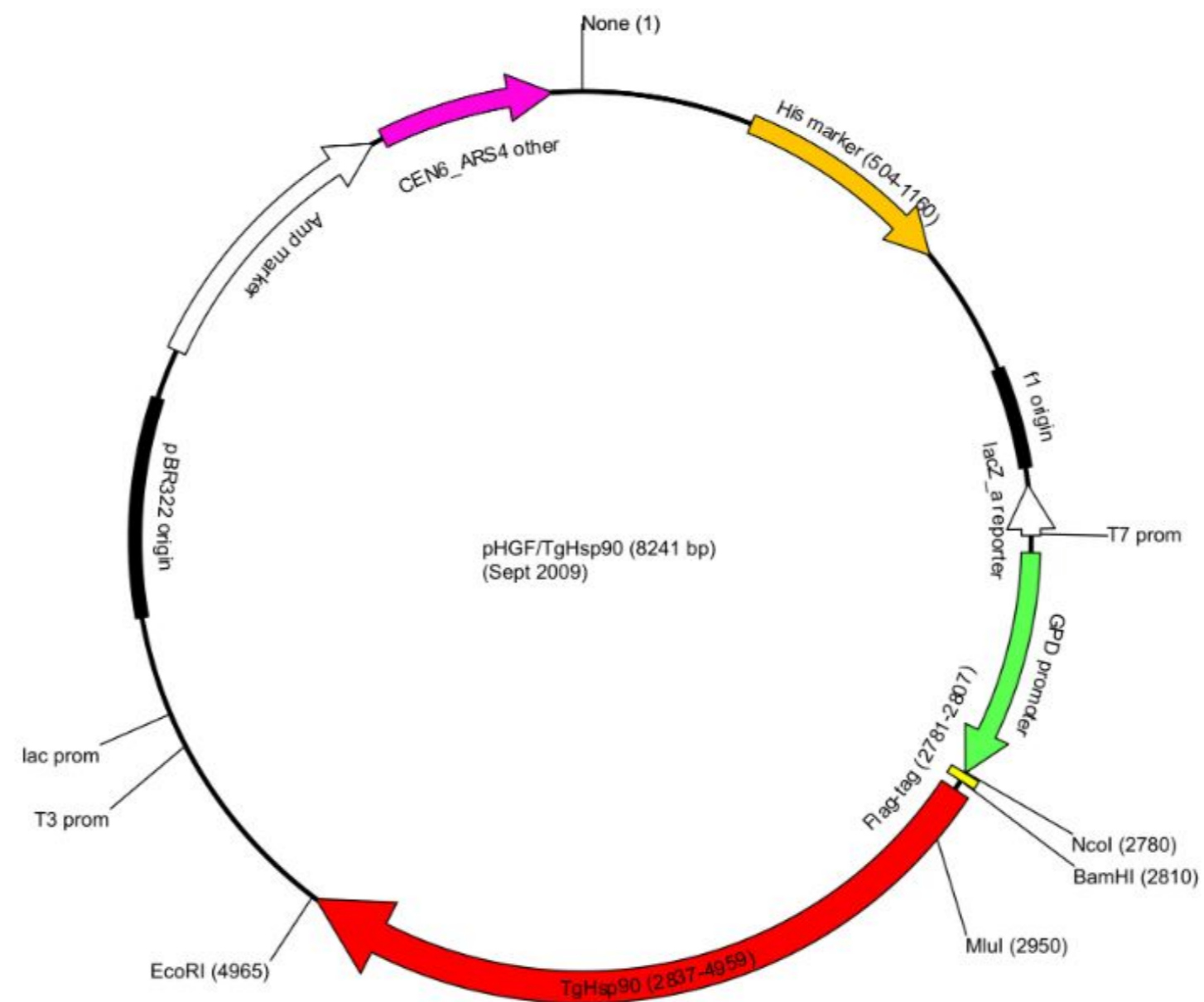
pHGF/TgHsp90

bacterial marker Amp	parent vector pHGF/Hsp90alpha (DP Plasmid no.2136)
yeast marker HIS3	bacterial plasmid Bluescript
eukaryotic replicon CEN/ARS	other relevant source constructs pRS313/TgHsp90 (DP Plasmid no.1891)

Inserts	<i>Toxoplasma gondii</i> Hsp90 with Flag-tag at 5'
Reporter gene	<input type="text"/>
Promoter, splice, PolyA	- GPD promoter

Comments The 5' part of the insert (TgHsp90) is generated by PCR using template pRS313/TgHsp90 (DP Plasmid no.1891) flanked by BamHI and MluI. The rest of the downstream part of the insert is taken from the same vector between MluI and EcoRI. pHGF parental vector is originated from pHGF/Hsp90alpha (DP Plasmid no.2136) cut by BamHI and EcoRI.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 15.3.10

Constructed by Tai WANG

Date constructed 30.11.09

PLASMID NAME

pHGF/TbHsp90

bacterial marker Amp	parent vector pHGF/Hsp90alpha (DP Plasmid no.2136)
yeast marker HIS3	bacterial plasmid Bluescript
eukaryotic replicon CEN/ARS	other relevant source constructs

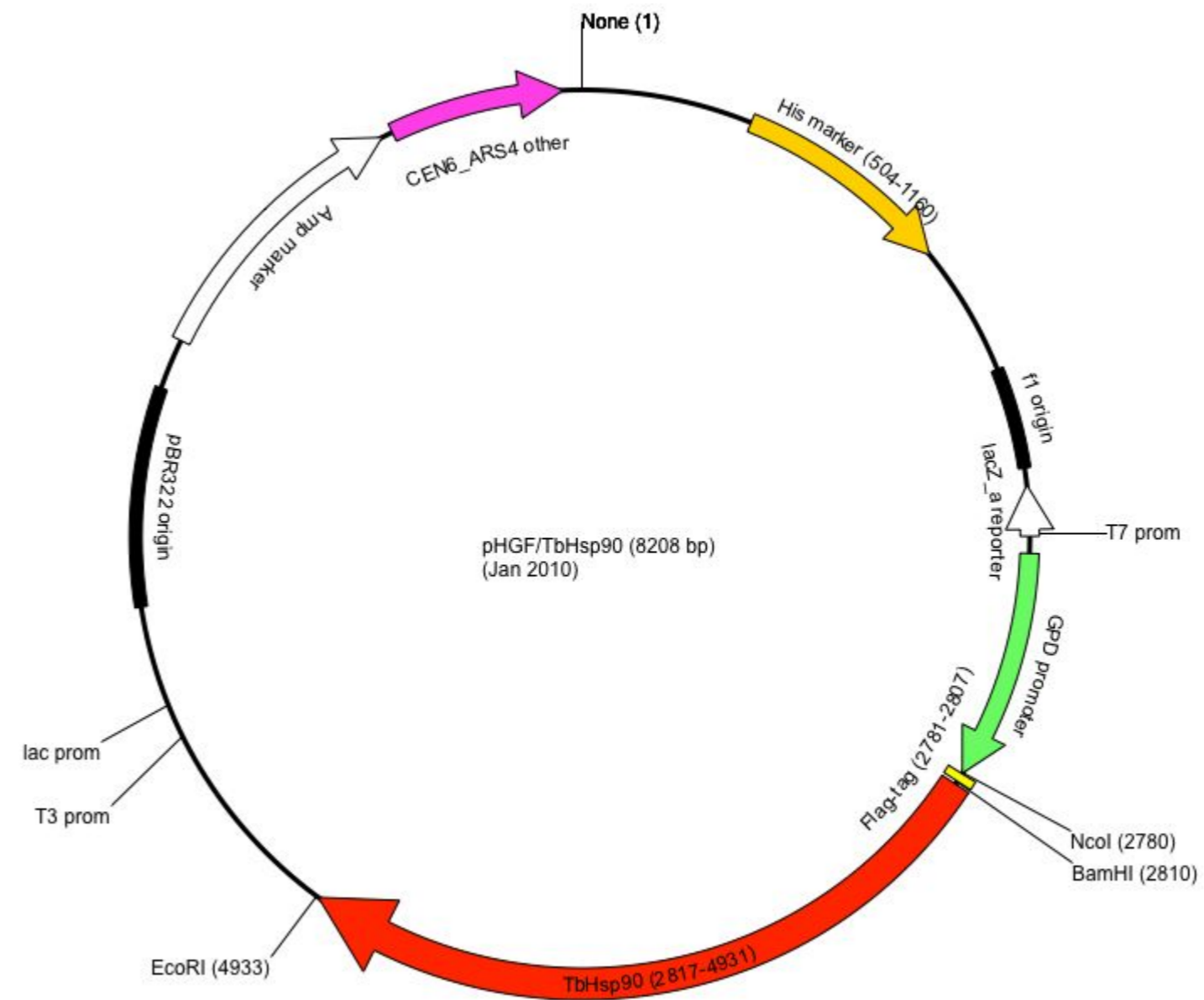
Inserts *Trypanosoma brucei* Hsp90 (Hsp83) with Flag-tag at 5'

Reporter gene

Promoter, splice, PolyA - GPD promoter

Comments The entire cDNA sequence of the TbHsp90 was cloned directly from Tb genomic DNA by PCR using Phusion polymerase (High fidelity buffer set) with primers generating BamHI site at 5' and EcoRI site at 3'.

Reference pHGF parental vector is originated from pHGF/Hsp90alpha (DP Plasmid no.2136) with BamHI and EcoRI sites.
Trypanosoma brucei chromosome 10, whole genome shotgun sequence. Pubmed --> Nucleotide --> "CM000208" : Chromosome 10, annotation: "hsp83"



DIDIER PICARD LAB, University of Geneva

Construct number 2314
Constructed by Diana Wider

Date entered 17.3.10
Date constructed 03.2010

PLASMID NAME

pET/7B1

bacterial marker Amp

parent vector
 pET15b
bacterial plasmid
 pBR322
other relevant source constructs

Inserts E. coli expression vector for human Cyp7B1. Contains N-terminal His-tag and thrombin cut site. Cyp7B1 lacks signal sequence.

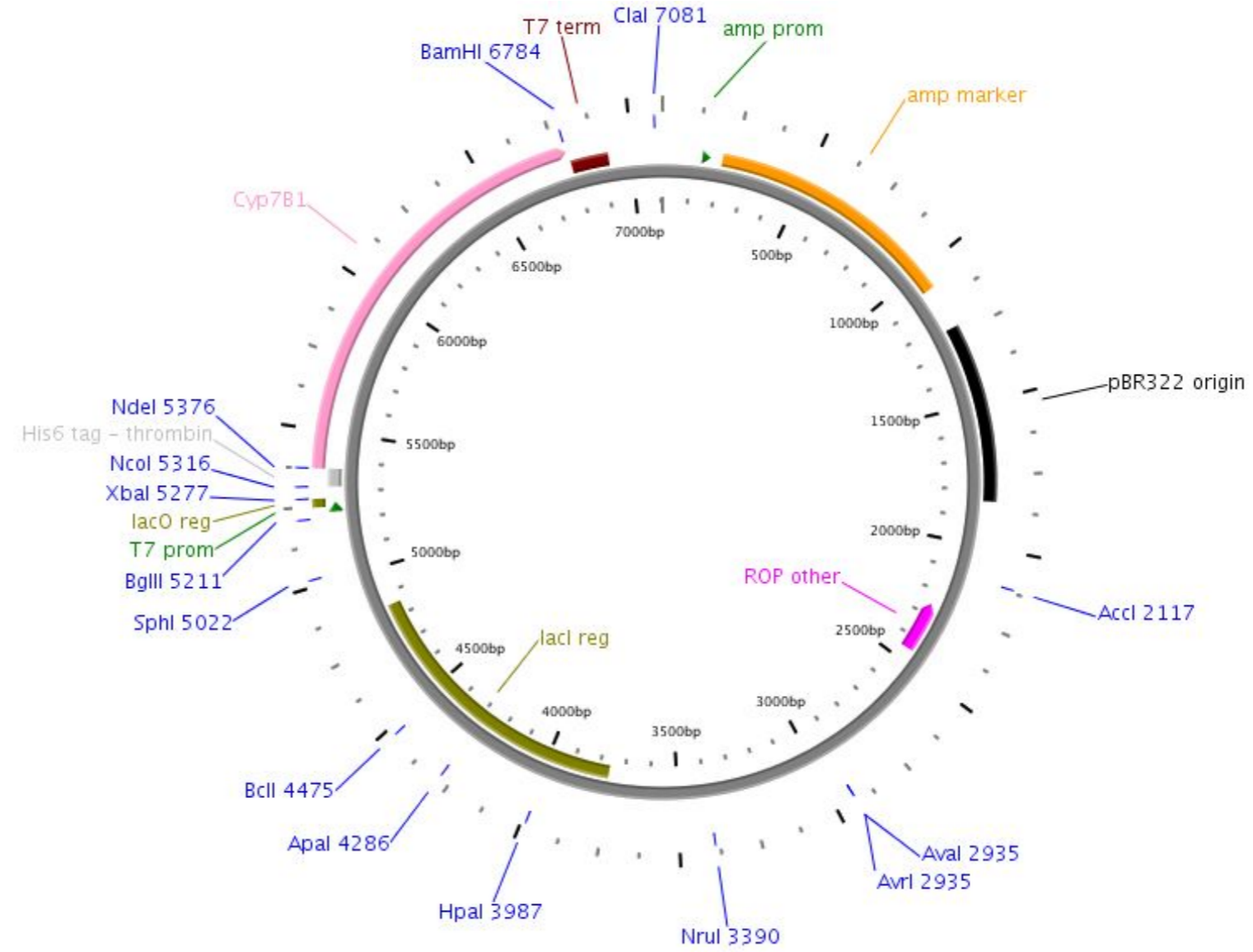
Plasmid carries lacI gene.

Reporter gene

Promoter, splice, PolyA T7 promoter, lac operator and T7 transcription terminator

Comments - map and sequence available.
 - instead of R324 (CGT), 7B1 sequence has a H324 (CAT).

Reference



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Diana Wider

Date entered 25.3.10
 Date constructed 03.2010

PLASMID NAME

pSG5/7B1G

bacterial marker Amp	parent vector pSG5
eucaryotic replicon SV40 ori	bacterial plasmid Bluescribe M13+
	other relevant source constructs

Inserts Human Cyp7B1 with C-terminal VSV-G tag

Reporter gene

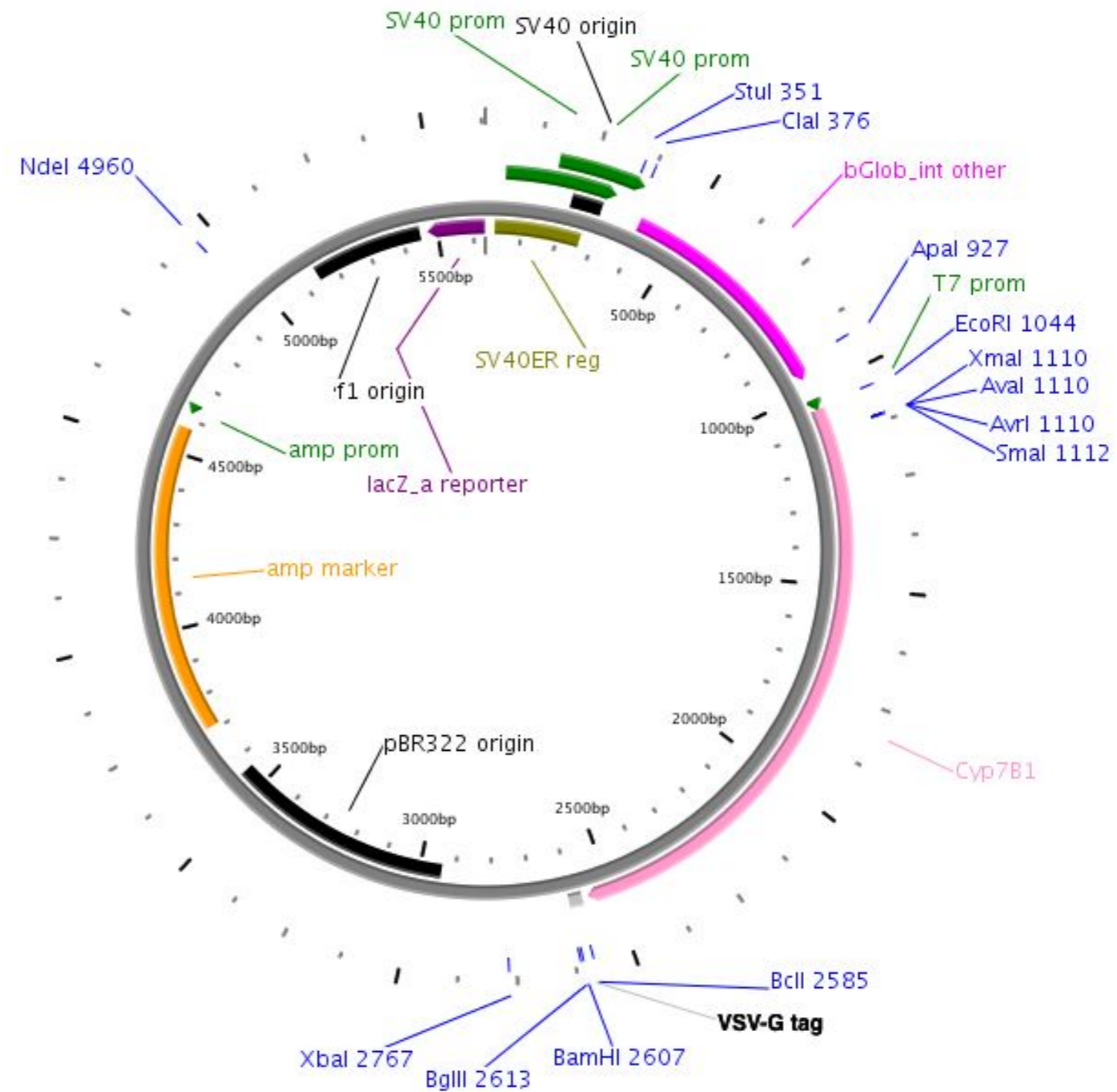
Promoter, splice, PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

- expression vector replicates in COS cells.
- note that our Cyp7B1 sequence contains an H324 instead of an R324
- sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Diana Wider

Date entered 25.3.10
 Date constructed 03.2010

PLASMID NAME

pSG5/7B1(C449A)G

bacterial marker Amp	parent vector pSG5
eucaryotic replicon SV40 ori	bacterial plasmid Bluescribe M13+
	other relevant source constructs

Inserts Human Cyp7B1 with point mutation C449A and C-terminal VSV-G tag

Reporter gene

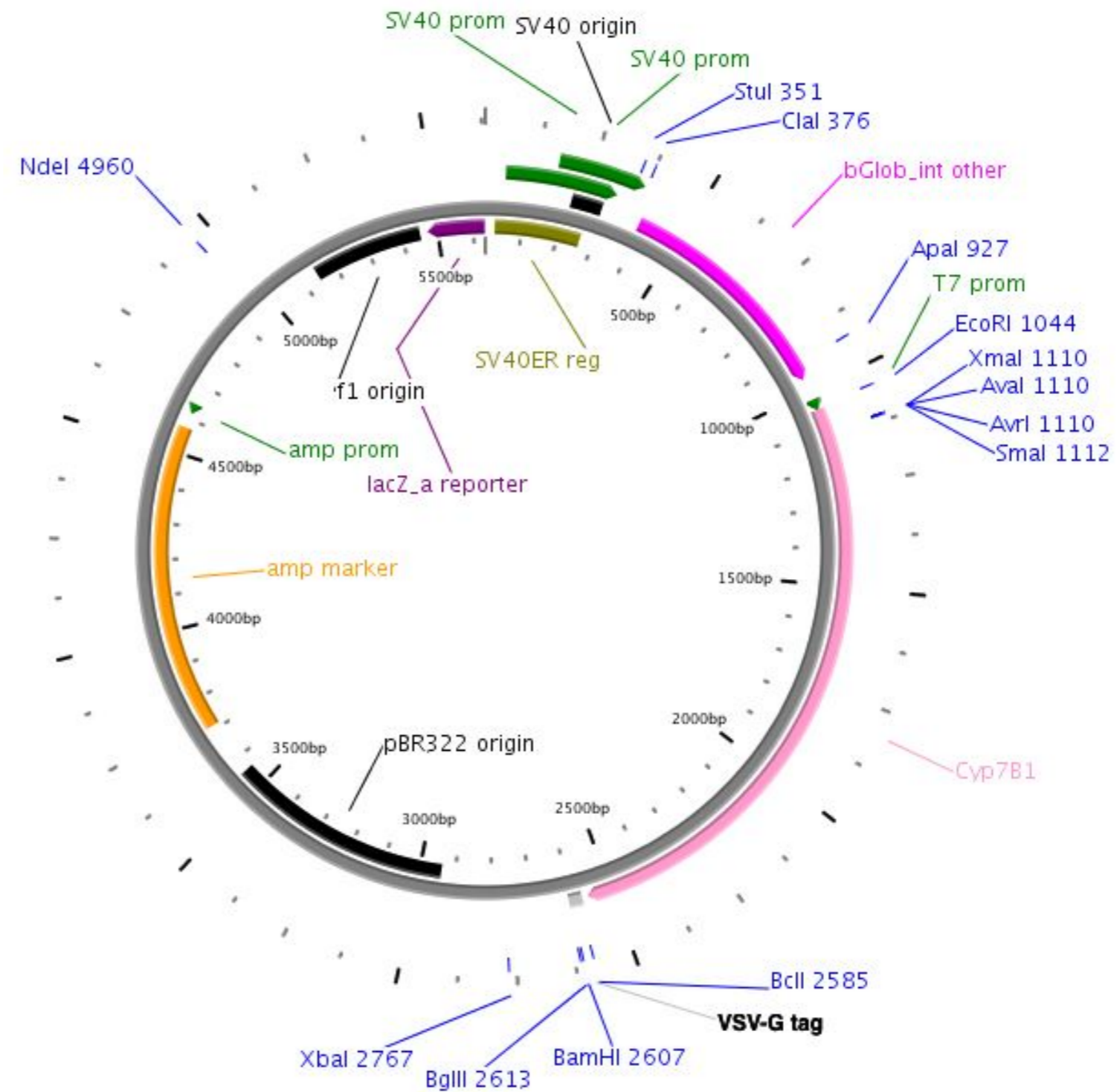
Promoter, splice, PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β-globin IVS2.
- SV40 polyA site.

Comments

- expression vector replicates in COS cells.
- note that our Cyp7B1 sequence contains an H324 instead of an R324
- sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.4.10

Constructed by Lilia Bernasconi

Date constructed 04.2010

PLASMID NAME

<u>bacterial marker</u>	Amp	<u>parent vector</u>	pcDNA3.1(+)
<u>vertebrate marker</u>	Neo (G418)	<u>bacterial plasmid</u>	pUC
<u>eukaryotic replicon</u>	SV40 ori	<u>other relevant source constructs</u>	

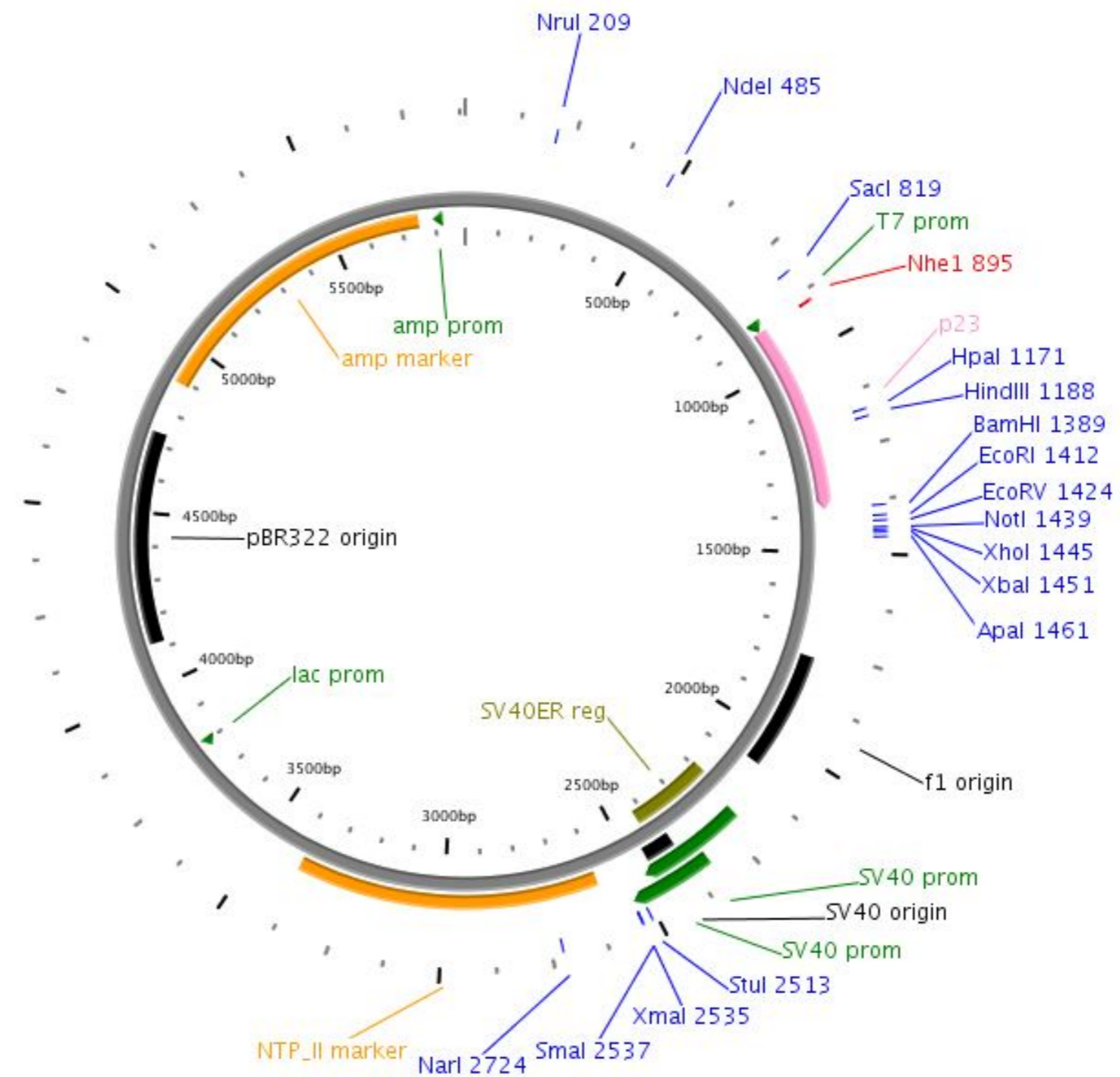
Inserts human p23

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - T7
PolyA - BGH poly A sequence

Comments - sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.4.10

Constructed by Lilia Bernasconi

Date constructed 04.2010

PLASMID NAME

pC1/p23.GG

bacterial marker Amp	parent vector pcDNA3.1(+)
vertebrate marker Neo (G418)	bacterial plasmid pUC
eukaryotic replicon SV40 ori	other relevant source constructs

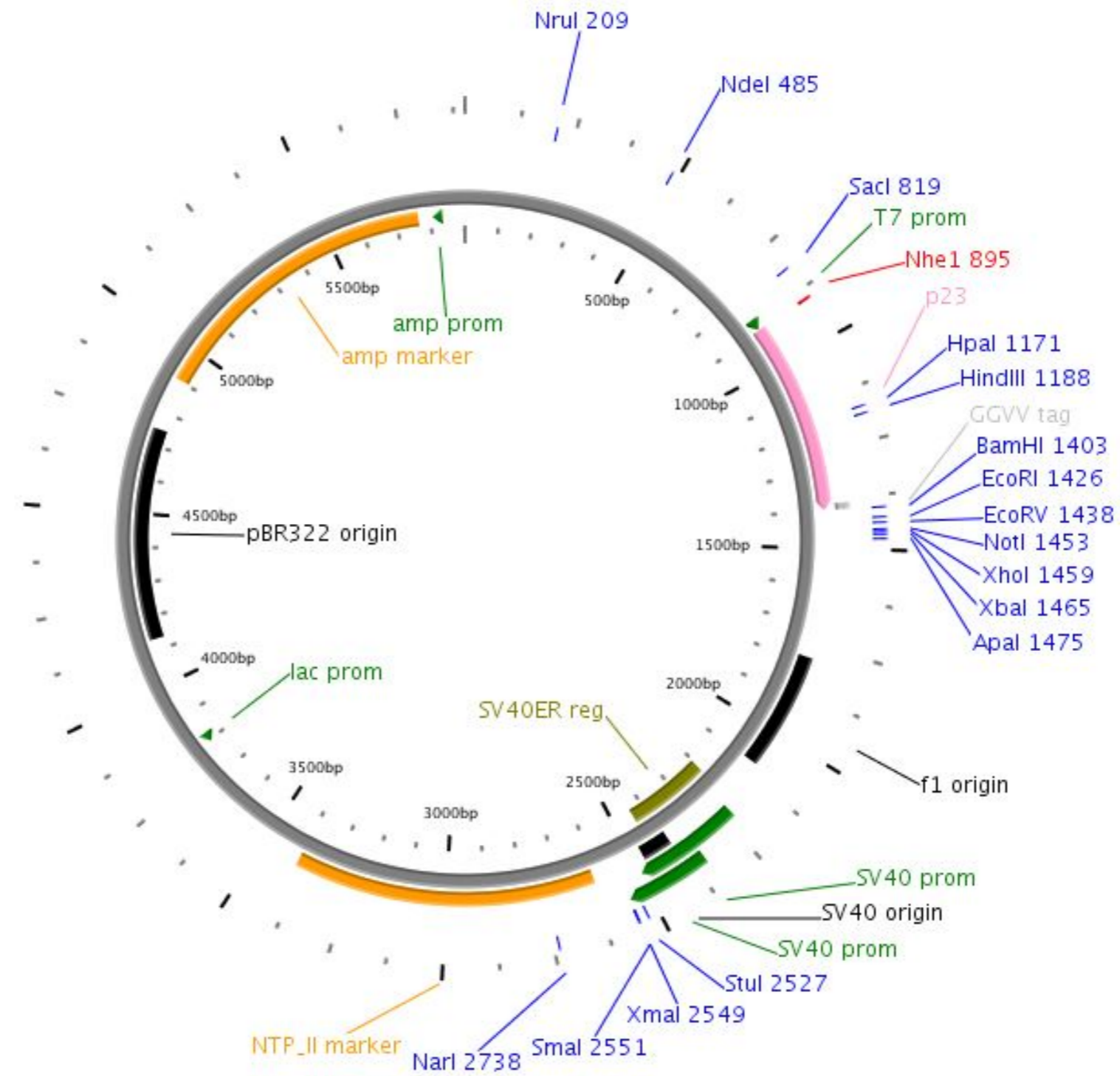
Inserts Epitope GGVV at C-terminus of human p23

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - T7
PolyA - BGH poly A sequence

Comments - sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.4.10

Constructed by Lilia Bernasconi

Date constructed 04.2010

PLASMID NAME

pC1/p23.mvGG

bacterial marker Amp	parent vector pcDNA3.1(+)
vertebrate marker Neo (G418)	bacterial plasmid pUC
eukaryotic replicon SV40 ori	other relevant source constructs

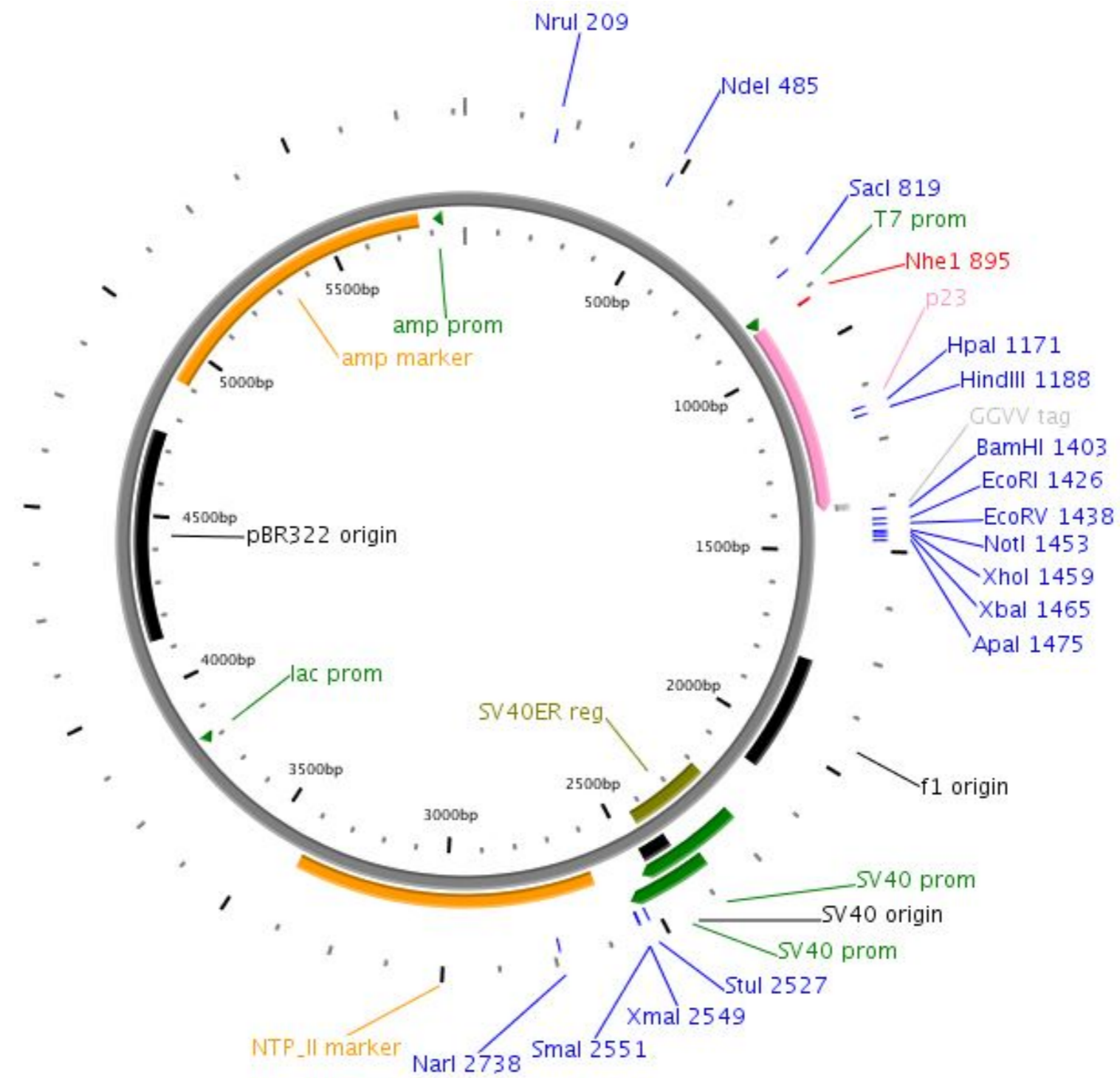
Inserts Epitope GGVV at C-terminus of human p23, separated by the amino acids MV

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - T7
PolyA - BGH poly A sequence

Comments - sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.4.10

Constructed by Lilia Bernasconi

Date constructed 04.2010

PLASMID NAME

pC1/rGR.mvGG

bacterial marker Amp	parent vector pcDNA3.1(+)
vertebrate marker Neo (G418)	bacterial plasmid pUC
eukaryotic replicon SV40 ori	other relevant source constructs pC7G

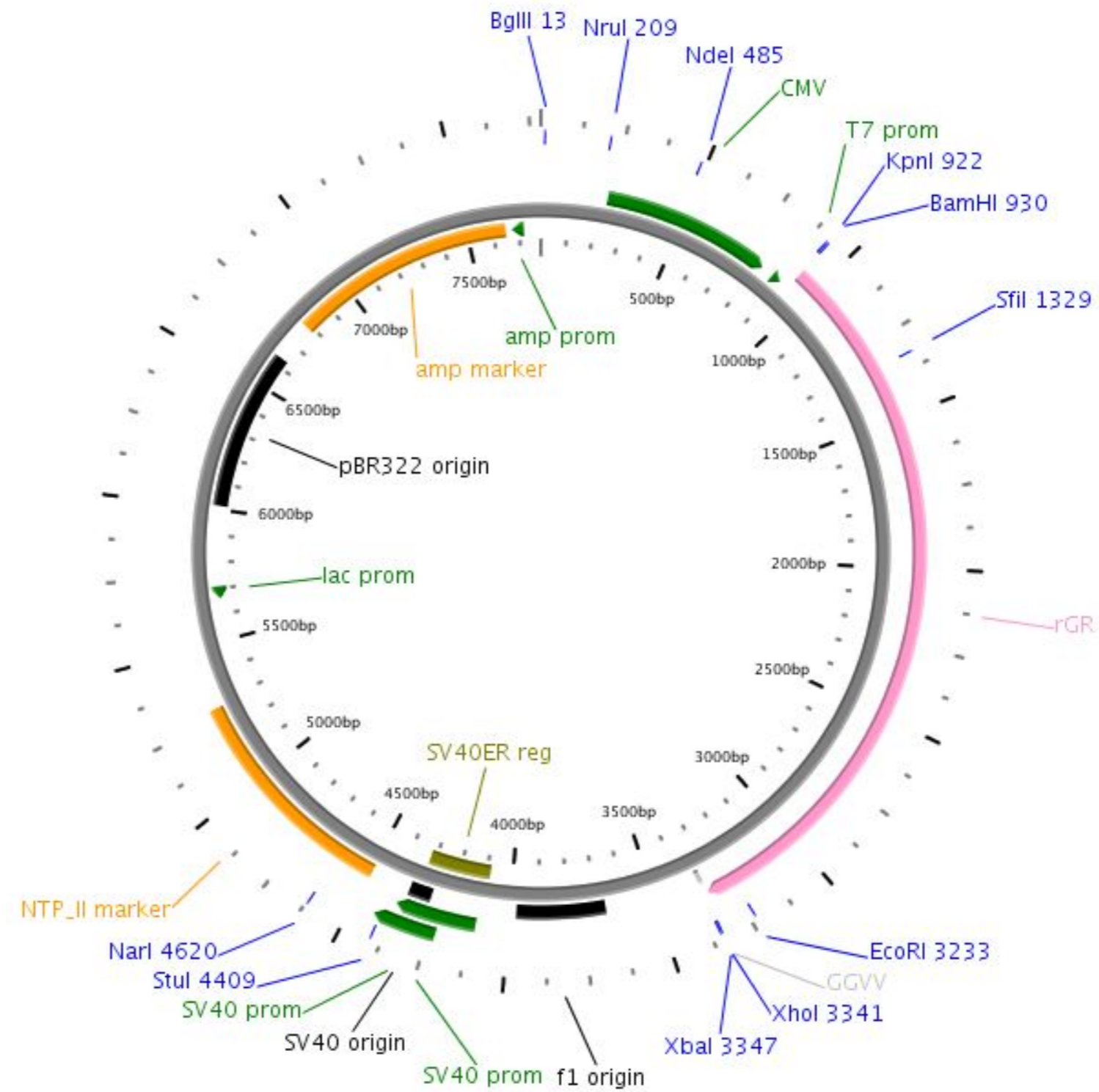
Inserts Epitope GGVV at C-terminus of rat GR, separated by the amino acids MV

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - T7
PolyA - BGH poly A sequence

Comments - sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 19.5.10

Constructed by Tai WANG

Date constructed 01.05.10

PLASMID NAME

pHGF/LmjHsp90

bacterial marker Amp

yeast marker HIS3

eukaryotic replicon CEN/ARS

parent vector

pHGF/Hsp90alpha (DP Plasmid no.2136)

bacterial plasmid

Bluescript

other relevant source constructs

Inserts *Leishmania major* Hsp90 (Hsp83) with Flag-tag at 5'

Reporter gene

Promoter,
splice,
PolyA - GPD promoter

Comments The entire cDNA sequence of the LmjHsp90 was cloned directly from Lmj genomic DNA by PCR using Phusion polymerase (High fidelity buffer set) with primers generating BamHI site at 5' and EcoRI site at 3'.

pHGF parental vector is originated from pHGF/Hsp90alpha (DP Plasmid no.2136) with BamHI and EcoRI

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.6.10

Constructed by Guillaume Mühlebach

Date constructed 01.06.10

PLASMID NAME

pHAGE-fEF1a-Trap1-IZs-Green

bacterial marker Amp

parent vector
pHAGE-fEF1a-IZs-Green

bacterial plasmid

eukaryotic replicon SV40 ori

other relevant source constructs

Trap1.EGFP

Inserts Lentiviral vector with internal EF1a promoter - Trap1- IRES-ZsGreen

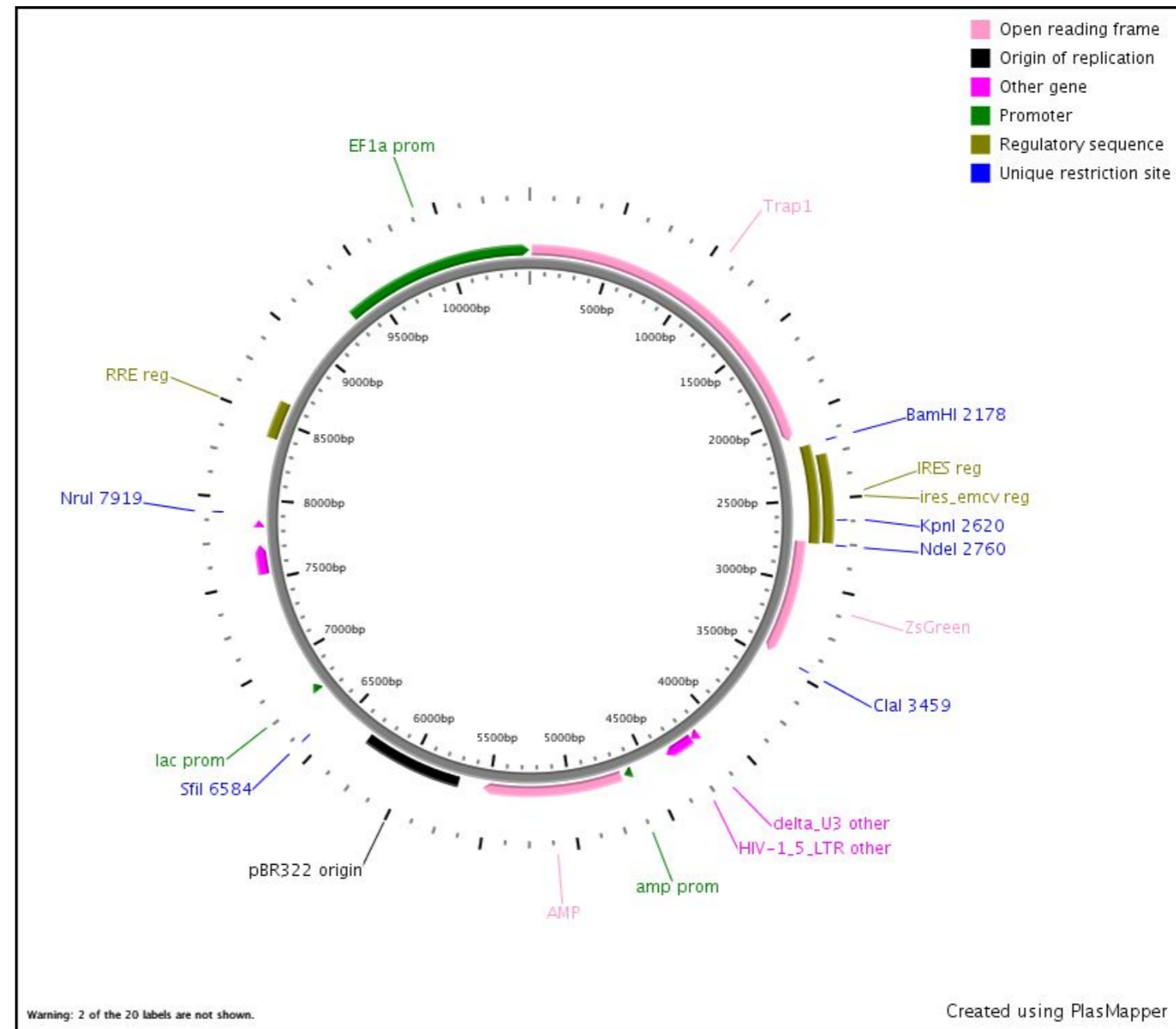
Trap1 was amplified on Trap1.EGFP template with oligos Not1-aug-FW and Xho-stop-Rev. After subcloning in TOPO vector, the fragment was inserted in pHAGE-fEF1a-IZs-Green vector using BamH1 and Not1 restriction enzymes.

Reporter gene

Promoter, splice, PolyA long version of EF1a promoter

Comments - ZsGreen like GFP but brighter
- complete sequence available (Trap1 ORF in lower case)

Reference Joshi et al. (2020) BMC Biol. 18, 10.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.6.10

Constructed by Guillaume Mühlebach

Date constructed 01.06.10

PLASMID NAME

pHAGE-fEF1a-Trap1.E56A-IZs-Green

bacterial marker Amp	parent vector pHAGE-fEF1a-IZs-Green
eukaryotic replicon SV40 ori	bacterial plasmid
	other relevant source constructs E56A Trap1mitoGFP

Inserts Lentiviral vector with internal EF1a promoter - Trap1- IRES-ZsGreen

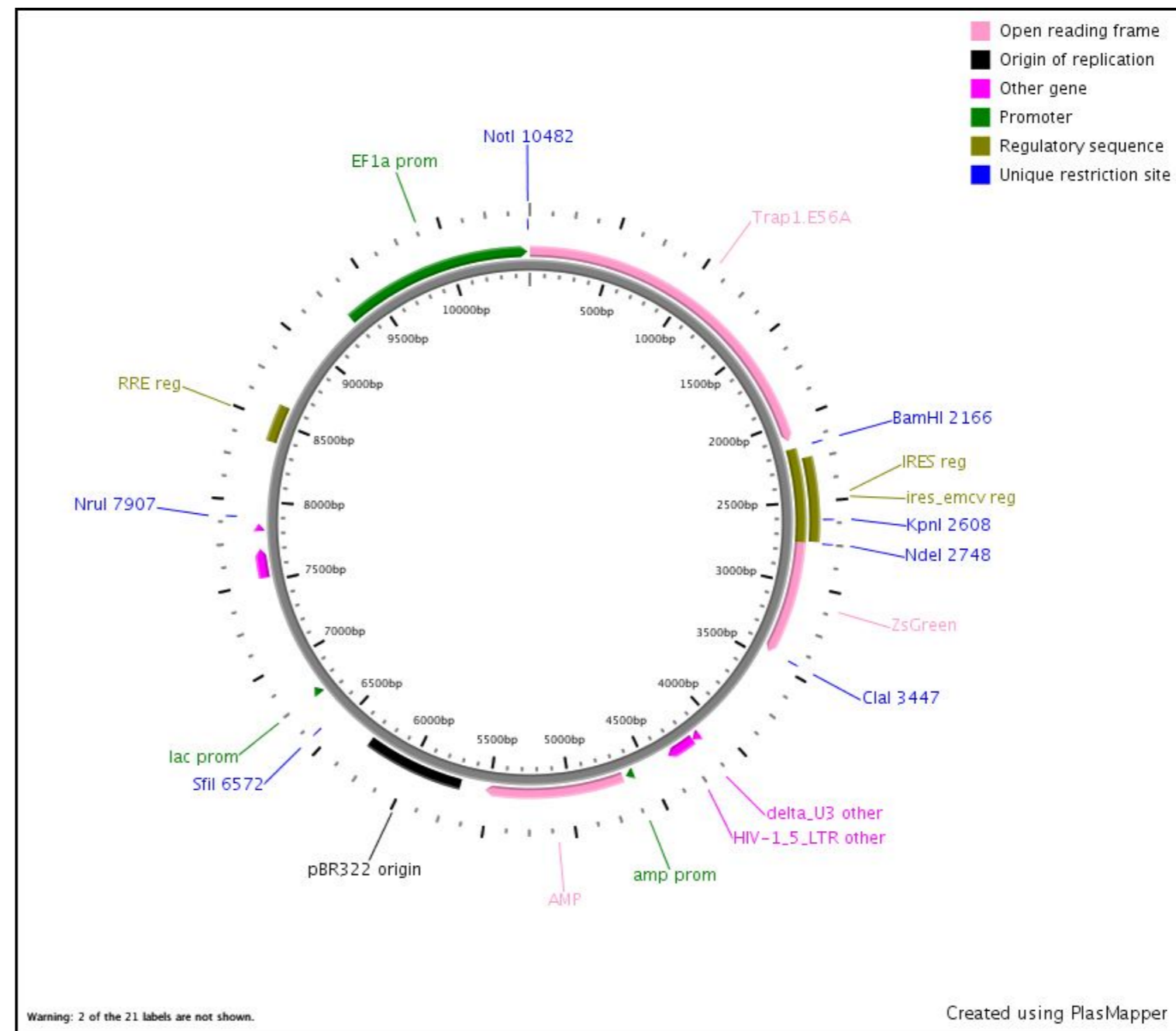
Trap1 was amplified on E56A Trap1mitoGFP template with oligos Not1-aug-FW and Xho-stop-Rev. After subcloning in TOPO vector, the fragment was inserted in pHAGE-fEF1a-IZs-Green vector using BamH1 and Not1 restriction enzymes.

Reporter gene

Promoter, splice, PolyA long version of EF1a promoter

Comments - ZsGreen like GFP but brighter
- complete sequence available (Trap1 ORF in lower case)

Reference Joshi et al. (2020) BMC Biol. 18, 10.



Construct number 2324

Date entered 8.6.10

Constructed by

Date constructed

PLASMID NAME

pUG66

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

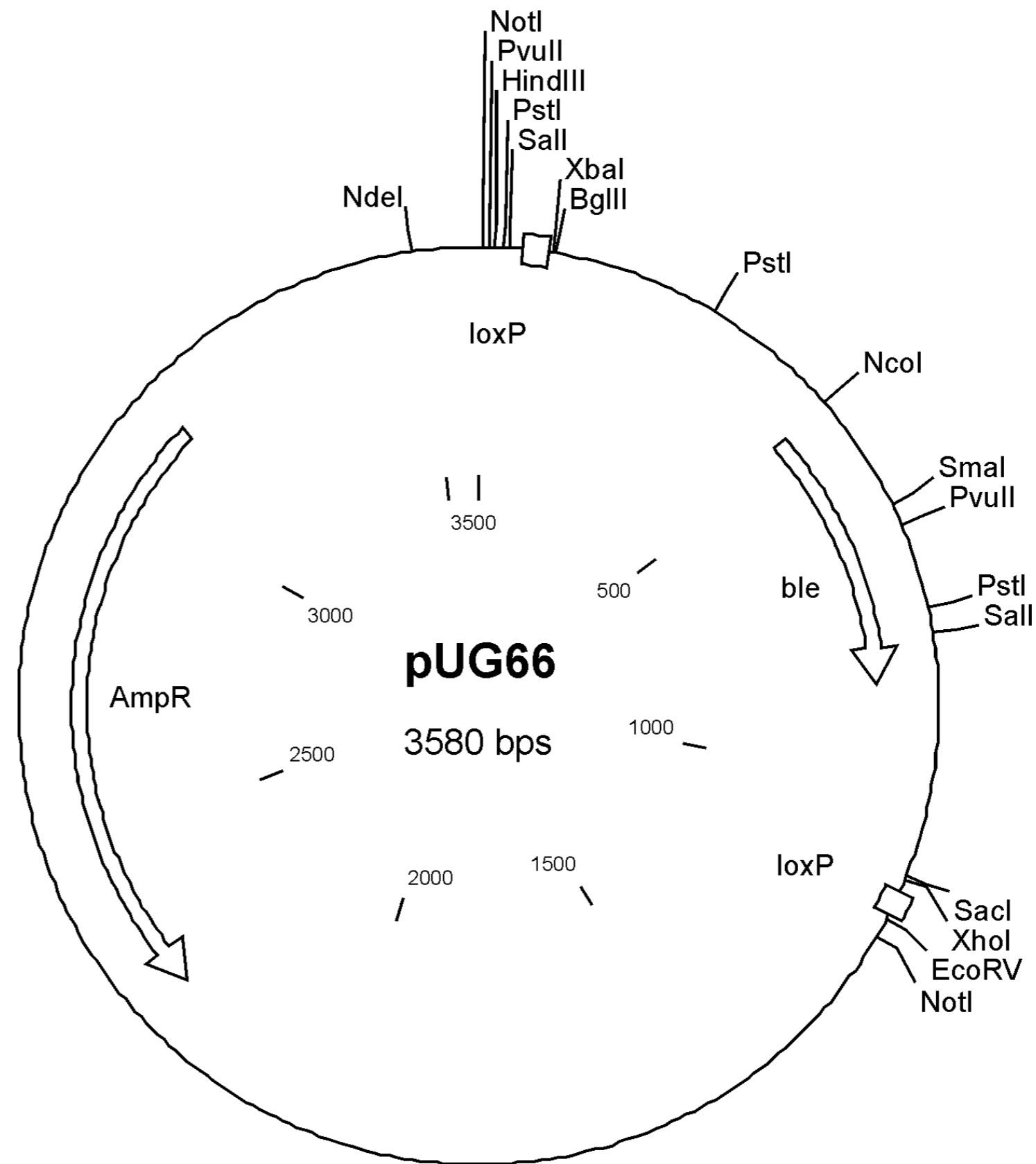
Inserts LoxP-ble-LoxP disruption cassette
db acc: AF298794
Plasmid size 3580 bp.
Size of the PCR amplified disruption cassette: 1.3 kb

Reporter gene

Promoter,
splice,
PolyA

Comments This plasmid serves as a template for PCR to generate a disruption cassette of your yeast gene of interest. This phleomycin resistance cassette (ble) flanked with lox P sites can be removed using the Cre recombinase.
Obtained from Euroscarf via F. Stutz.

Reference Güldener et al. (2002) NAR 30, e23



Construct number 2325

Date entered 9.6.10

Constructed by Alexis Jourdain (JC Martinou's lab)

Date constructed

PLASMID NAME

pWPTS-Pink1-HA

bacterial marker Amp

parent vector pWPTS-GFP bacterial plasmid other relevant source constructs

Inserts Pink1 followed by HA tag. Insertion of PCR product digested with MluI & XhoI in pWPTS-GFP vector opened with MluI & Sall. This vector is used for lentiviral expression

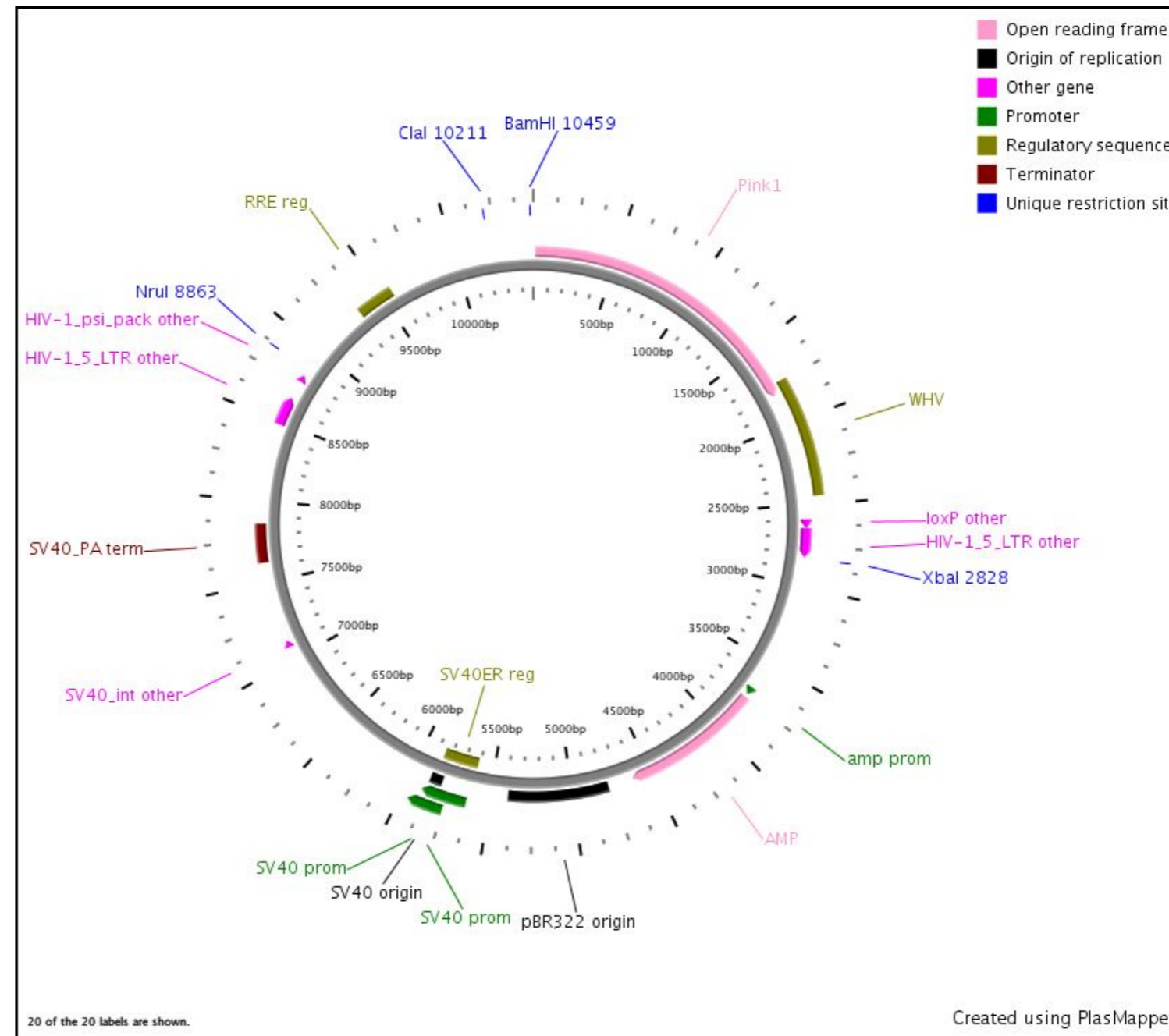
Reporter gene

Promoter, splice, PolyA

Comments information about parent vector can be found on http://medweb2.unige.ch/salmon/lentilab/plasmids.html

Sequence available

Reference



Construct number 2326

Date entered 9.6.10

Constructed by Alexis Jourdain (JC Martinou's lab)

Date constructed

PLASMID NAME

pWPTS-Pink1-G305D-HA

bacterial marker Amp

parent vector
pWPTS-GFP
bacterial plasmid

other relevant source constructs

Inserts Pink1 followed by HA tag. Insertion of PCR product digested with MluI & XhoI in pWPTS-GFP vector opened with MluI & Sall.

This vector is used for lentiviral expression

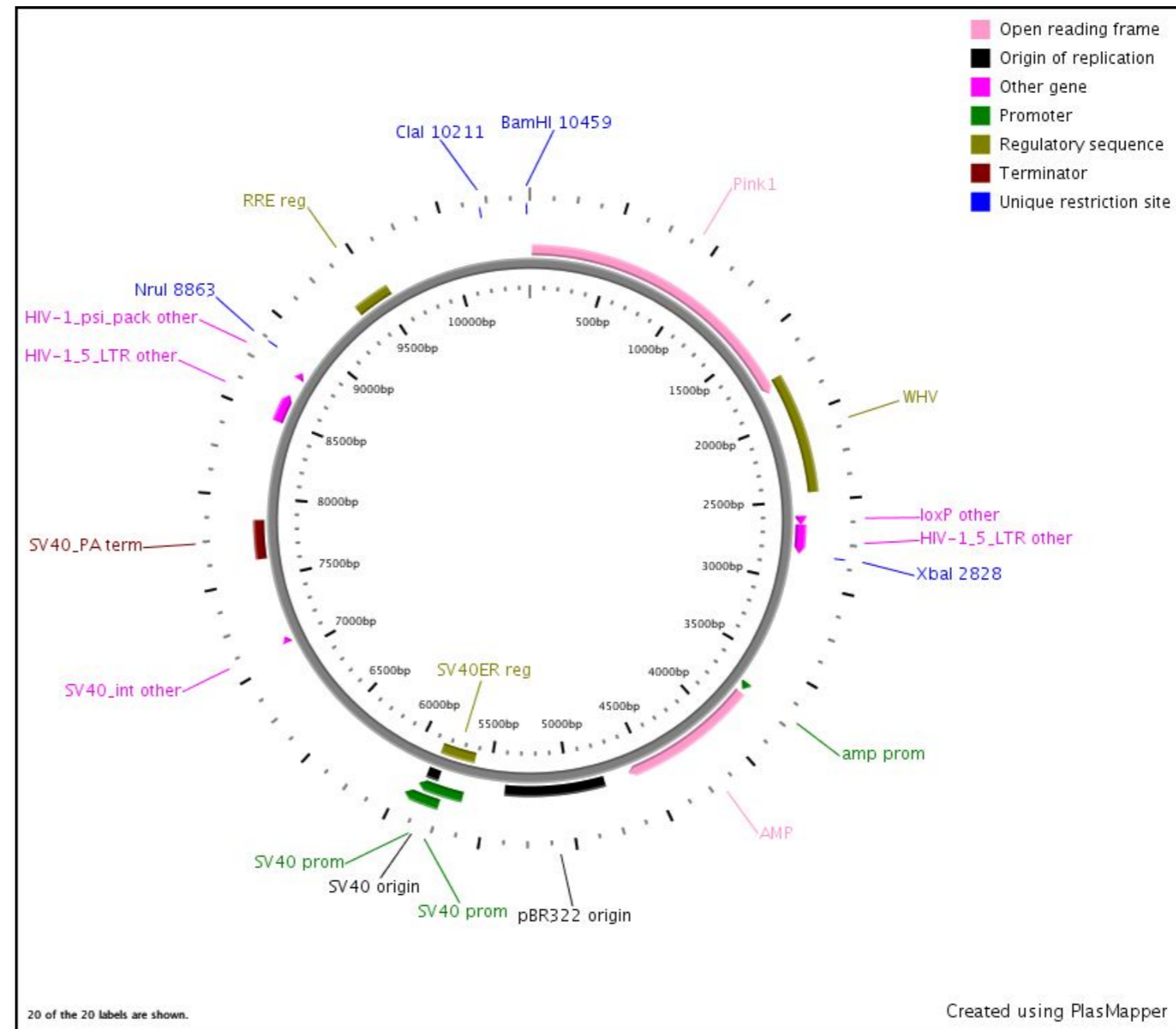
Pink1 had a mutation G305D

Reporter gene

Promoter,
splice,
PolyA

Comments information about parent vector can be found on <http://medweb2.unige.ch/salmon/lentilab/plasmids.html>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.6.10

Constructed by Lilia Bernasconi

Date constructed 08.2010

PLASMID NAME

pC1/rGR.myc

bacterial marker Amp	parent vector pcDNA3.1(+)
vertebrate marker Neo (G418)	bacterial plasmid pUC
eukaryotic replicon SV40 ori	other relevant source constructs pC7G

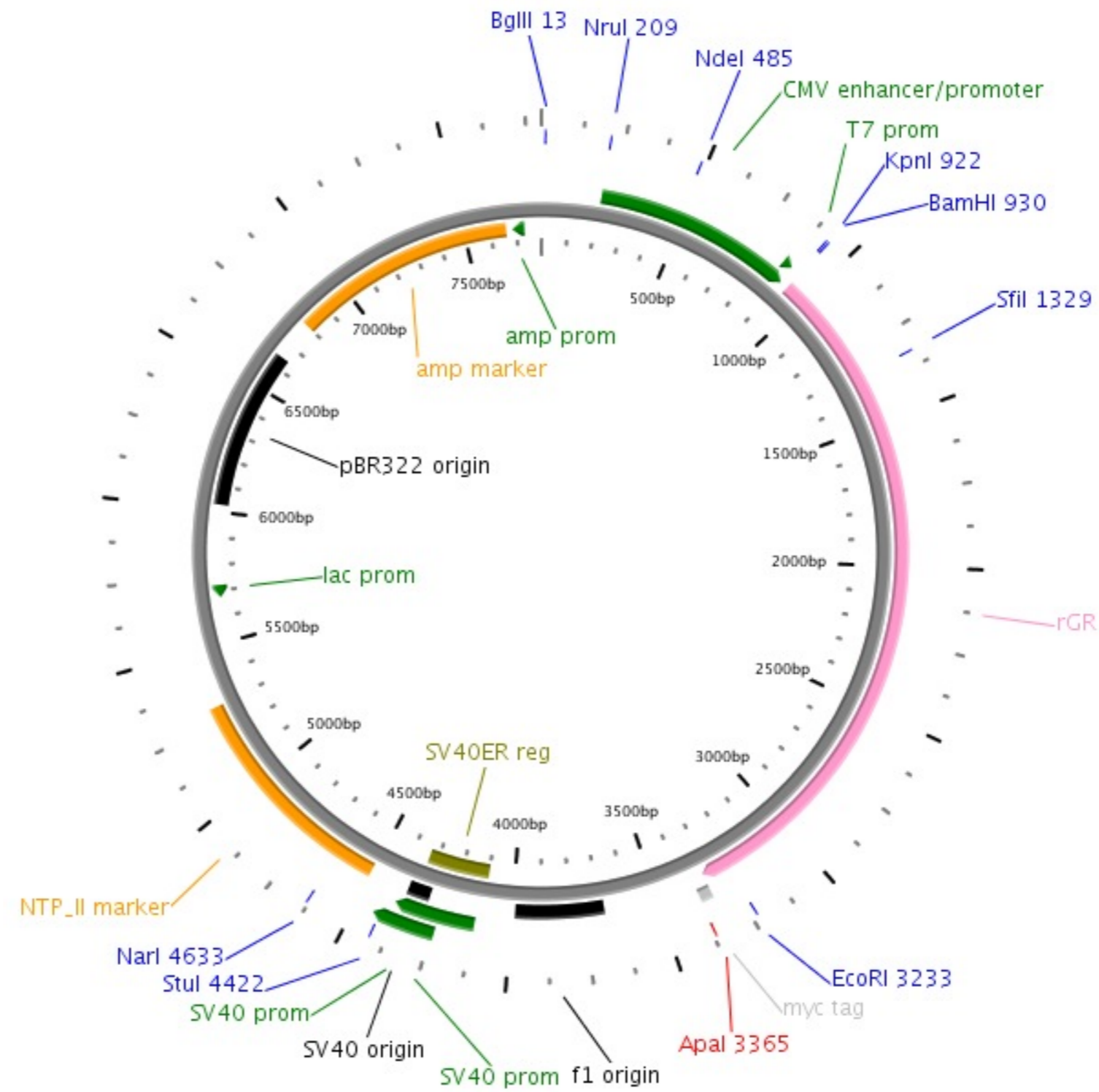
Inserts Myc epitope at C-terminus of rat GR, separated by a glycine

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - T7
PolyA - BGH poly A sequence

Comments - sequence available
 - have not been able to detect myc tag in Westerns (even through GR is expressed)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.6.10

Constructed by Lilia Bernasconi

Date constructed 06.2010

PLASMID NAME

F-ERaVN

bacterial marker Amp	parent vector pFlag-VN173
	bacterial plasmid
eukaryotic replicon SV40 ori	other relevant source constructs

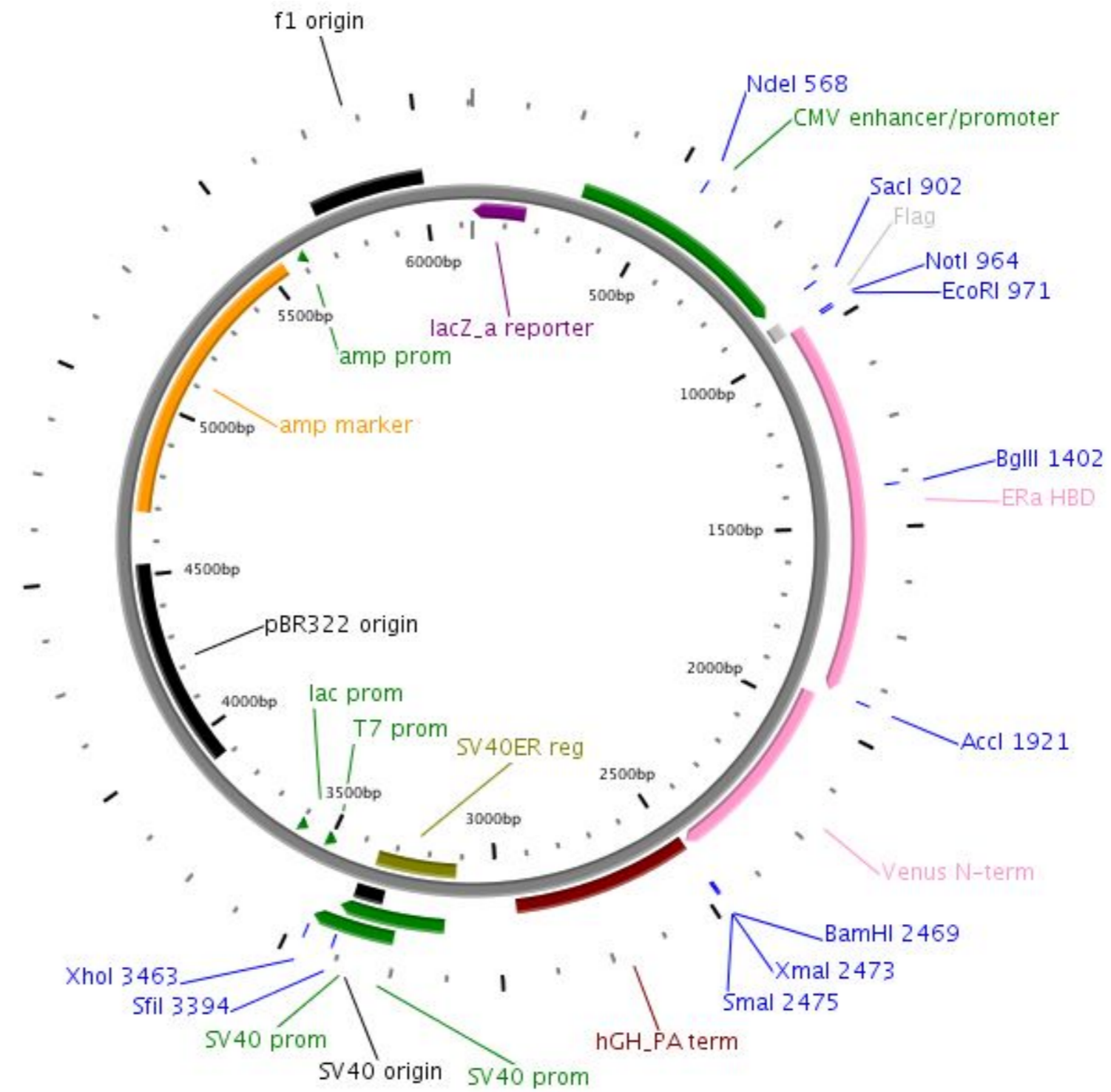
Inserts Flag tag fused to hormone binding domain (AA 282-595) of estrogen receptor a fused to N-terminal fragment of Venus.

Reporter gene

Promoter, splice, PolyA CMV enhancer/promoter

Comments - sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.6.10

Constructed by Lilia Bernasconi

Date constructed 06.2010

PLASMID NAME

HA-ERaVC

bacterial marker Amp	parent vector pHA-VC155
	bacterial plasmid
eukaryotic replicon SV40 ori	other relevant source constructs

Inserts HA tag fused to hormone binding domain (AA 282-577) of estrogen receptor a fused to C-terminal fragment of Venus.

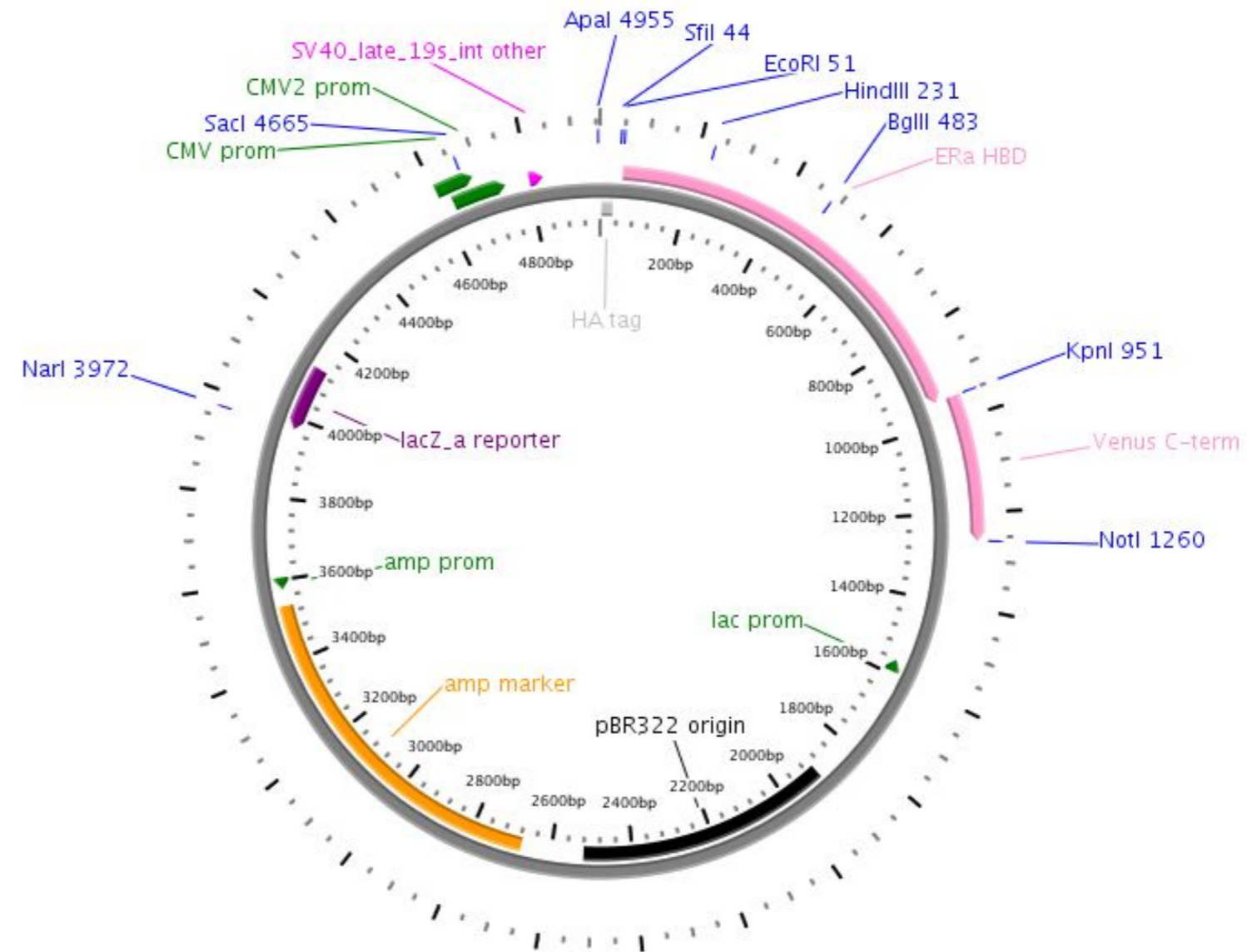
Reporter gene

Promoter, splice, PolyA CMV enhancer/promoter

Comments

- sequence available
- HA epitope is YPYDVPDYA
- note that HBD lacks part of F domain

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.6.10

Constructed by Lilia Bernasconi

Date constructed 06.2010

PLASMID NAME

F-CARM1VN

bacterial marker Amp	parent vector pFlag-VN173
	bacterial plasmid
eukaryotic replicon SV40 ori	other relevant source constructs

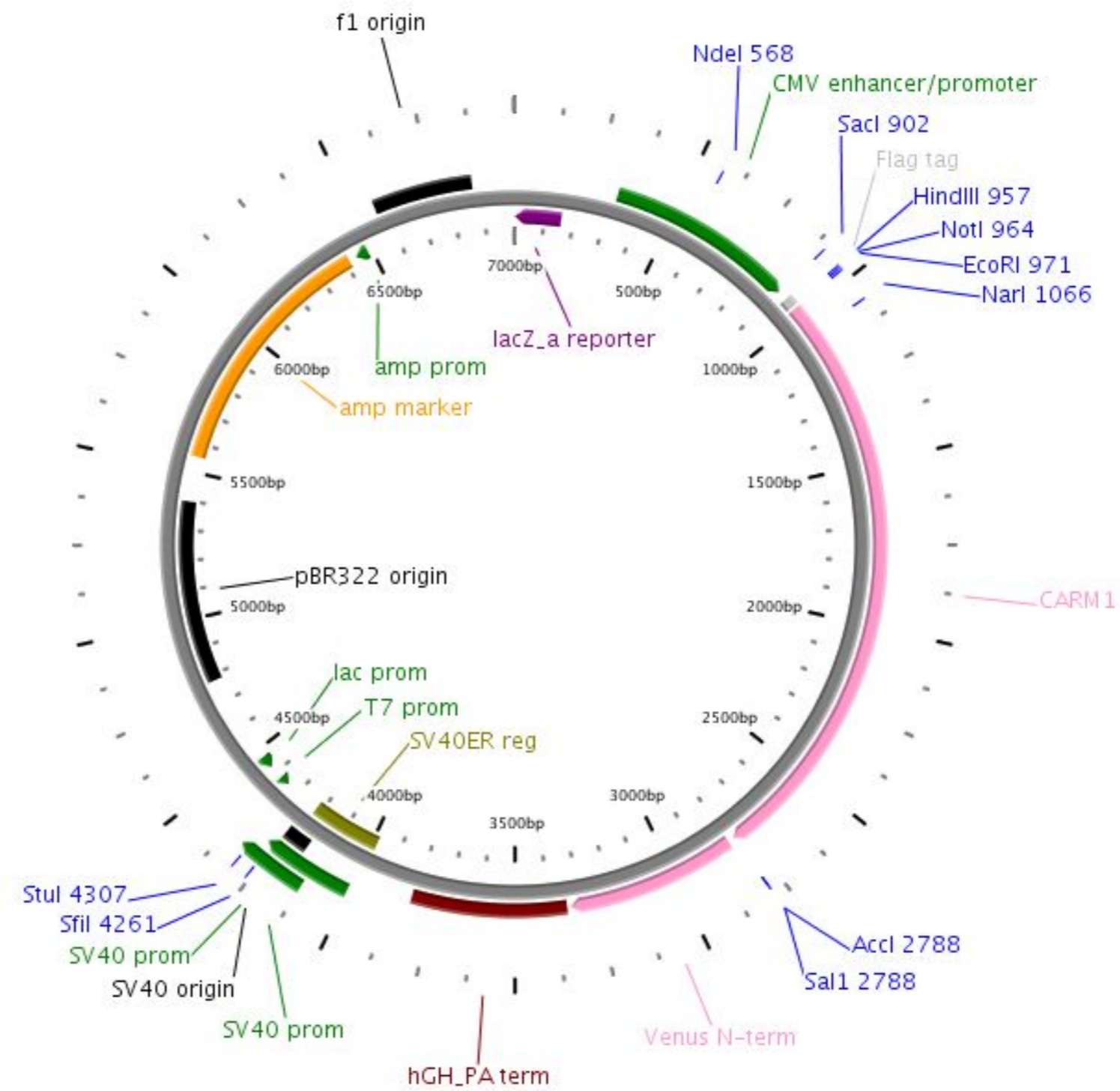
Inserts Flag tag fused to mouse CARM1 fused to N-terminal fragment of Venus.

Reporter gene

Promoter, splice, PolyA CMV enhancer/promoter

Comments - sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.7.10

Constructed by Tai WANG

Date constructed 14.06.2010

PLASMID NAME

pB/ScHsp82

alternative name

<u>bacterial marker</u> Amp	<u>parent vector</u> DP747
	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>

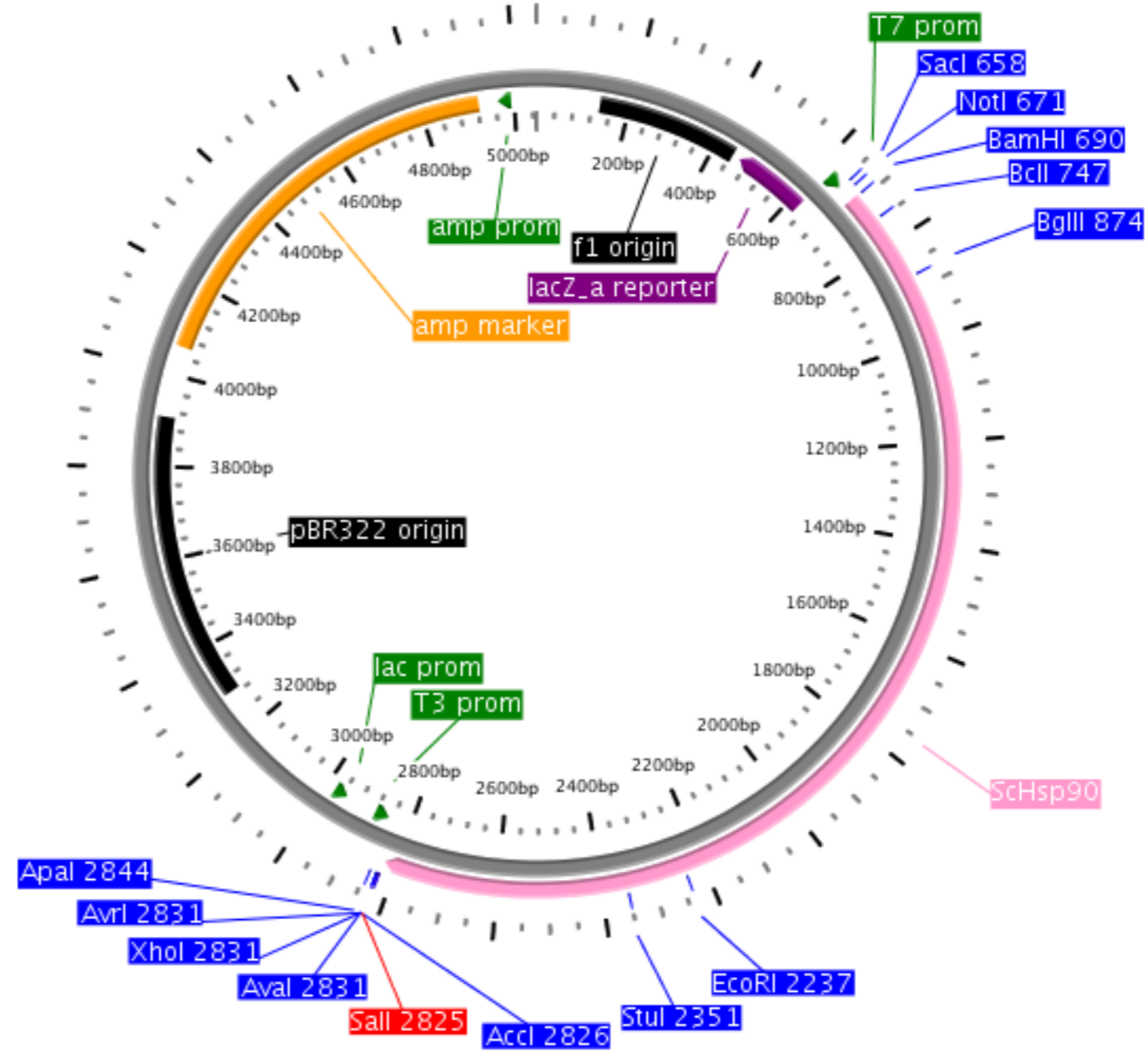
Inserts ScHsp82, extracted from DP2094 (pHGF/ScHsp82) by BamHI and Sall digestions, and the cDNA was ligated into pB vector (DP747).

Reporter gene

Promoter,
splice,
PolyA

Comments used as template for PCR-directed mutagenesis on ScHsp82

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.7.10

Constructed by Tai WANG

Date constructed 05.07.2010

PLASMID NAME

pB/HsHsp90 α

alternative name

bacterial marker Amp

parent vector

DP747

bacterial plasmid

other relevant source constructs

Inserts Hsp90alpha, extracted from DP2136 (pHGF/Hsp90) by BamHI digestion. and the cDNA was ligated into pB (DP747)

Reporter gene

Promoter,
splice,
PolyA

Comments used as template for PCR-directed mutagenesis on Hsp90

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.7.10

Constructed by Tai WANG

Date constructed 15.07.2010

PLASMID NAME

pB/LmjHsp90

alternative name

pB/LmjHsp83

bacterial marker Amp

parent vector
DP747

bacterial plasmid

other relevant source constructs

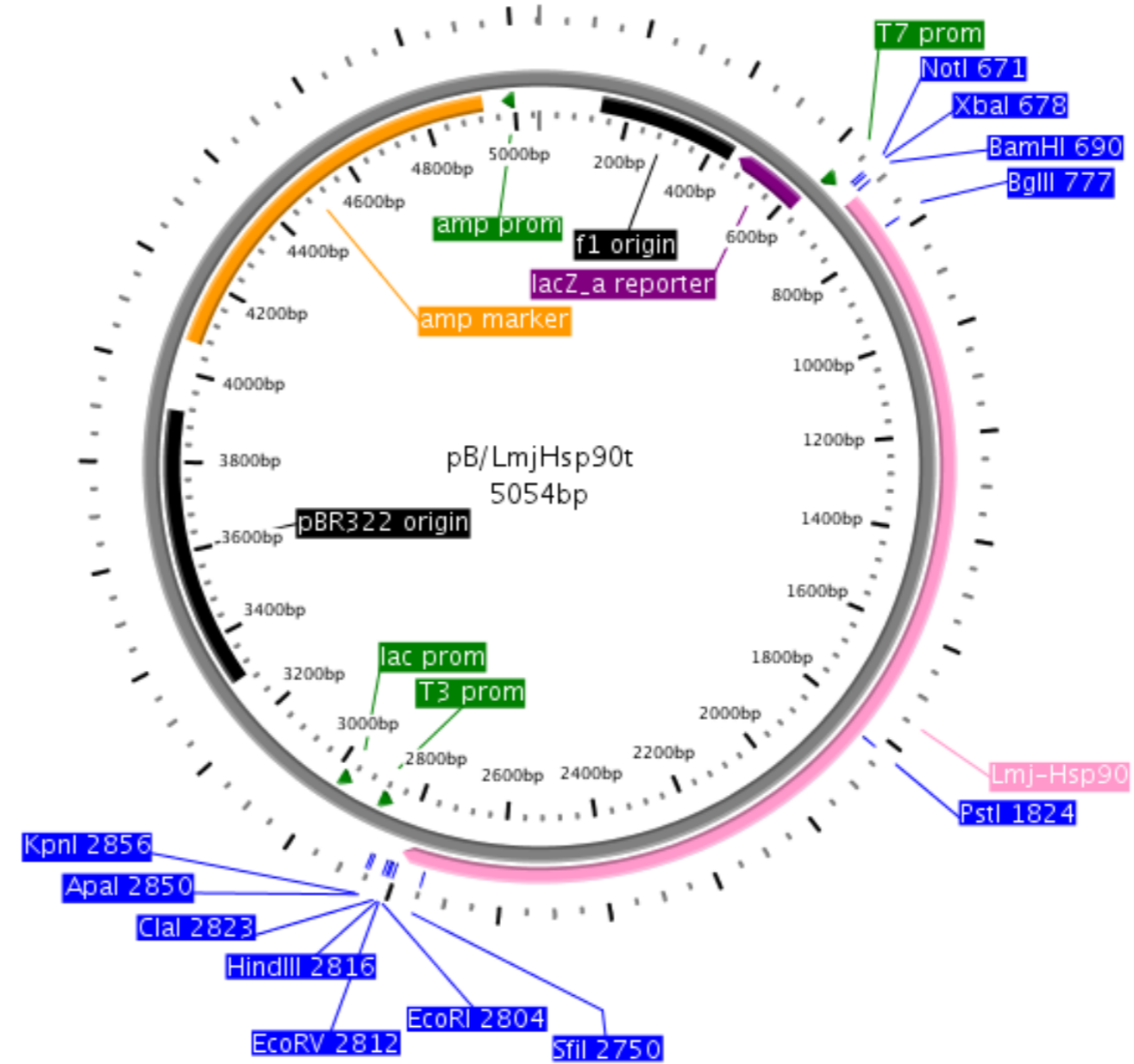
Inserts Leishmania major hsp83 (hsp90), extracted from DP2321 and (pHGF/LmjHsp90) by BamHI and EcoRI digestion the cDNA was ligated into pB vector (DP747)

Reporter gene

Promoter,
splice,
PolyA

Comments used as template for PCR-directed mutagenesis on LmjHsp83

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.7.10

Constructed by Tai WANG

Date constructed 14.06.2010

PLASMID NAME

pB/LmjHsp90t

alternative name

pB/LmjHsp83t

bacterial marker Amp

parent vector

Bluescript

bacterial plasmid

other relevant source constructs

Inserts

Leishmania major hsp83 (hsp90), C-terminal truncated version extracted from DP2321 (pHGF/LmjHsp90) by BamHI and Sall digestion and ligated into DP747 (DP747).

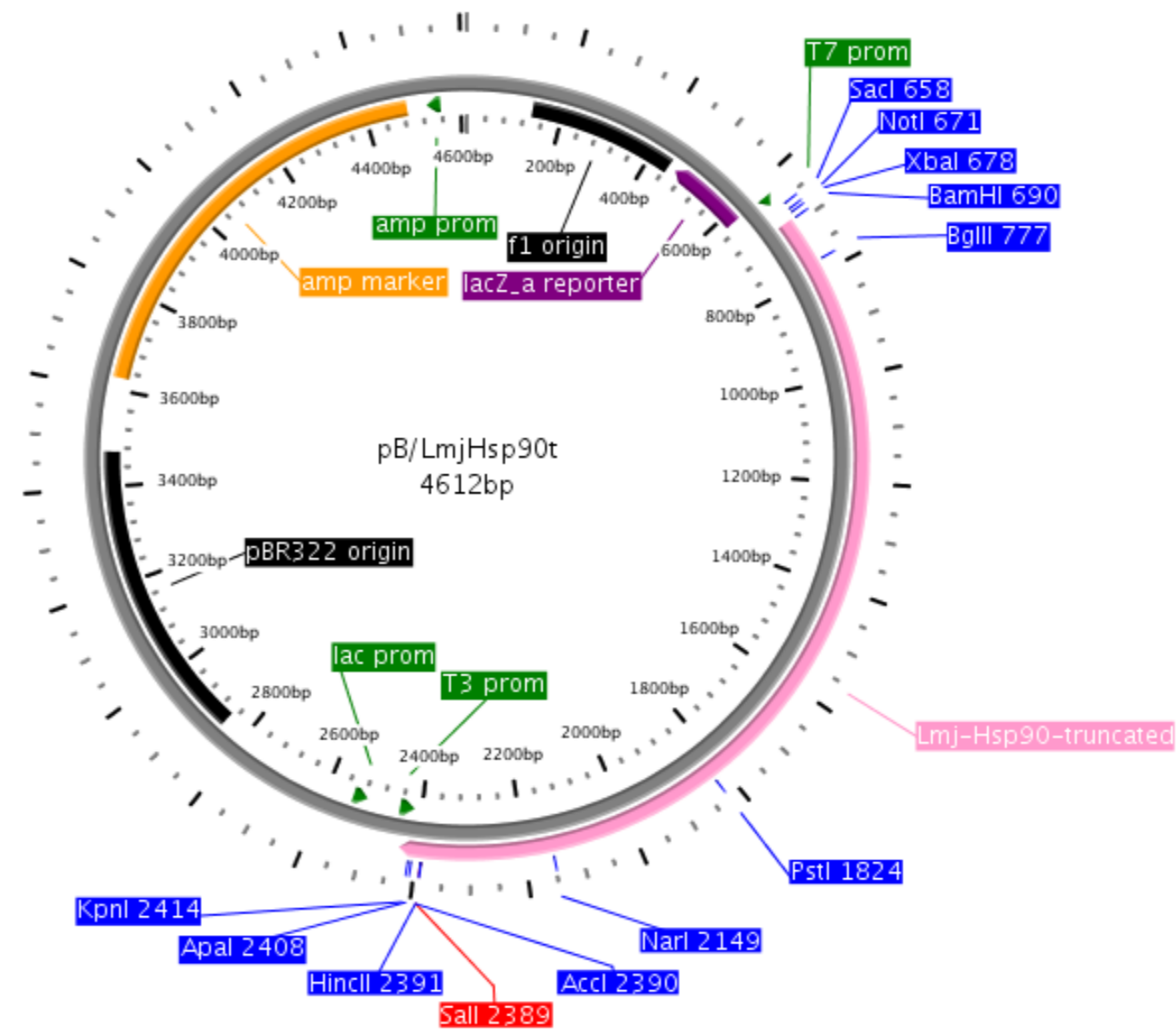
Reporter gene

Promoter,
splice,
PolyA

Comments

used as template for PCR-directed mutagenesis on LmjHsp83

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.7.10

Constructed by Tai WANG

Date constructed 14.07.10

PLASMID NAME

pLGF/ScHsp82

bacterial marker Amp	parent vector pRS315-GPD-PGK (DP1382)
yeast marker LEU2	bacterial plasmid
eukaryotic replicon CEN/ARS	other relevant source constructs

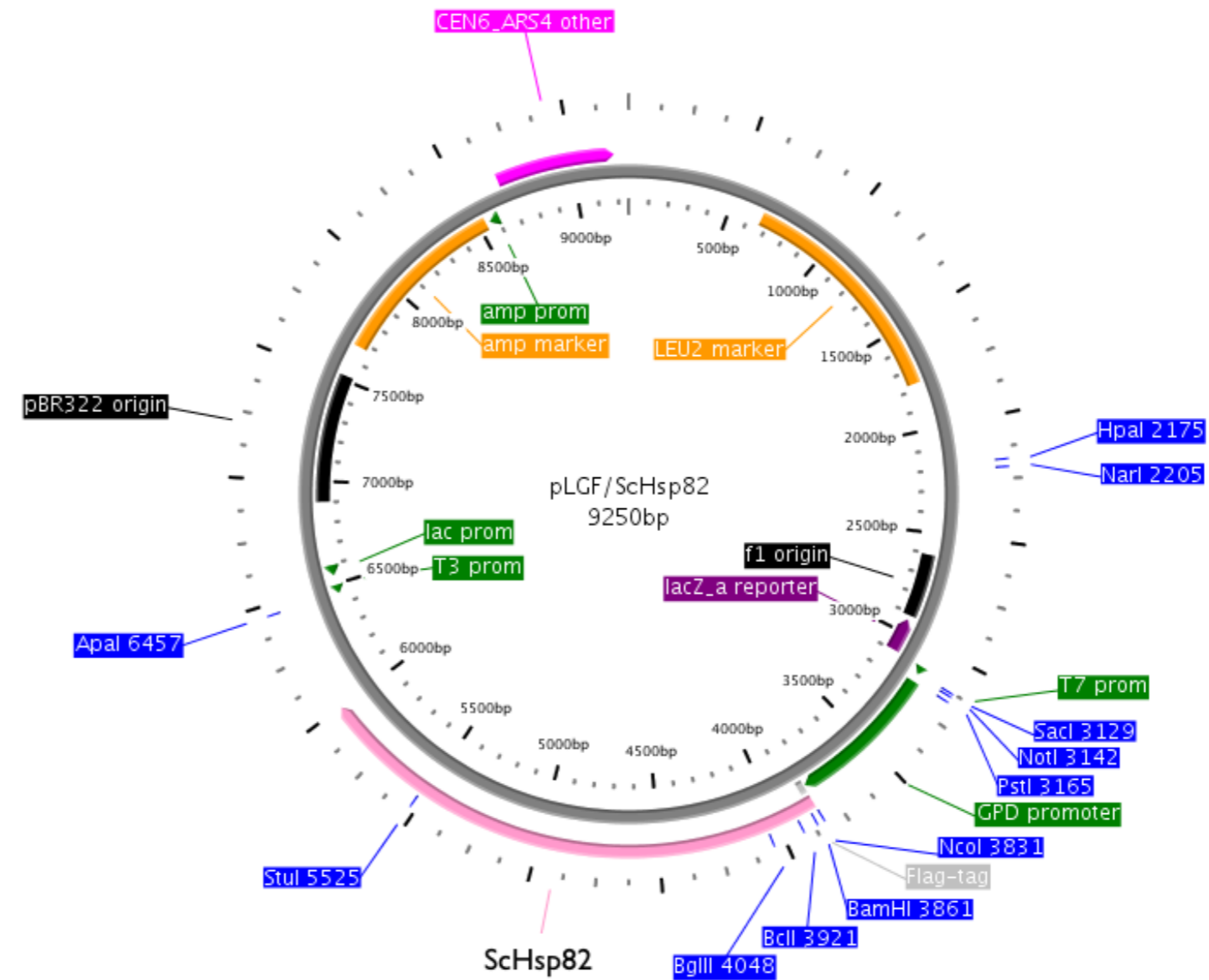
Inserts Yeast Hsp90 (Hsp82) with Flag-tag at 5'

Reporter gene

Promoter, splice, PolyA GPD promoter and PGK terminator

Comments To make this plasmid, DP2094 (pHGF/ScHsp82) was digested by NotI and SalI. And the portion containing GPD promoter, flag-tag and the hsp90 cDNA was ligated into DP1382 (pRS315-GPD-PGK) opened by the same enzymes.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 2336

Date entered 16.7.10

Constructed by Tai WANG

Date constructed 14.07.10

PLASMID NAME

pLGF/PfHsp90

bacterial marker Amp

yeast marker LEU2

eukaryotic replicon CEN/ARS

parent vector

pRS315-GPD-PGK (DP1382)

bacterial plasmid

other relevant source constructs

Inserts *Plasmodium falciparum* Hsp90 with Flag-tag at 5'

Reporter gene

Promoter,
splice,
PolyA GPD promoter and PGK terminator

Comments To make this plasmid, DP2095 (pHGF/PfHsp90) was digested by NotI and SalI. And the portion containing GPD promoter, flag-tag and the hsp90 cDNA was ligated into DP1382 (pRS315-GPD-PGK) opened by the same enzymes

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 2337

Date entered 16.7.10

Constructed by Tai WANG

Date constructed 14.07.10

PLASMID NAME

pLGF/HsHsp90 β

pLGF/HsHsp90 β -FL

bacterial marker Amp

yeast marker LEU2

eukaryotic replicon CEN/ARS

parent vector

pRS315-GPD-PGK (DP1382)

bacterial plasmid

other relevant source constructs

2557

Inserts Human Hsp90 β with Flag-tag at 5' (full length with C-terminal EEVD motif)

Reporter gene

Promoter,
splice,
PolyA GPD promoter and PGK terminator

Comments To make this plasmid, DP2096 (pHGF/HsHsp90 β) was digested by NotI and Sall. And the portion containing GPD promoter, flag-tag and the hsp90 cDNA was ligated into DP1382 (pRS315-GPD-PGK) opened by the same enzymes

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.7.10

Constructed by Tai WANG

Date constructed 14.07.10

PLASMID NAME

pLGF/HsHsp90α

bacterial marker Amp	parent vector pRS315-GPD-PGK
yeast marker LEU2	bacterial plasmid Bluescript
eukaryotic replicon CEN/ARS	other relevant source constructs pHGF/HsHsp90α

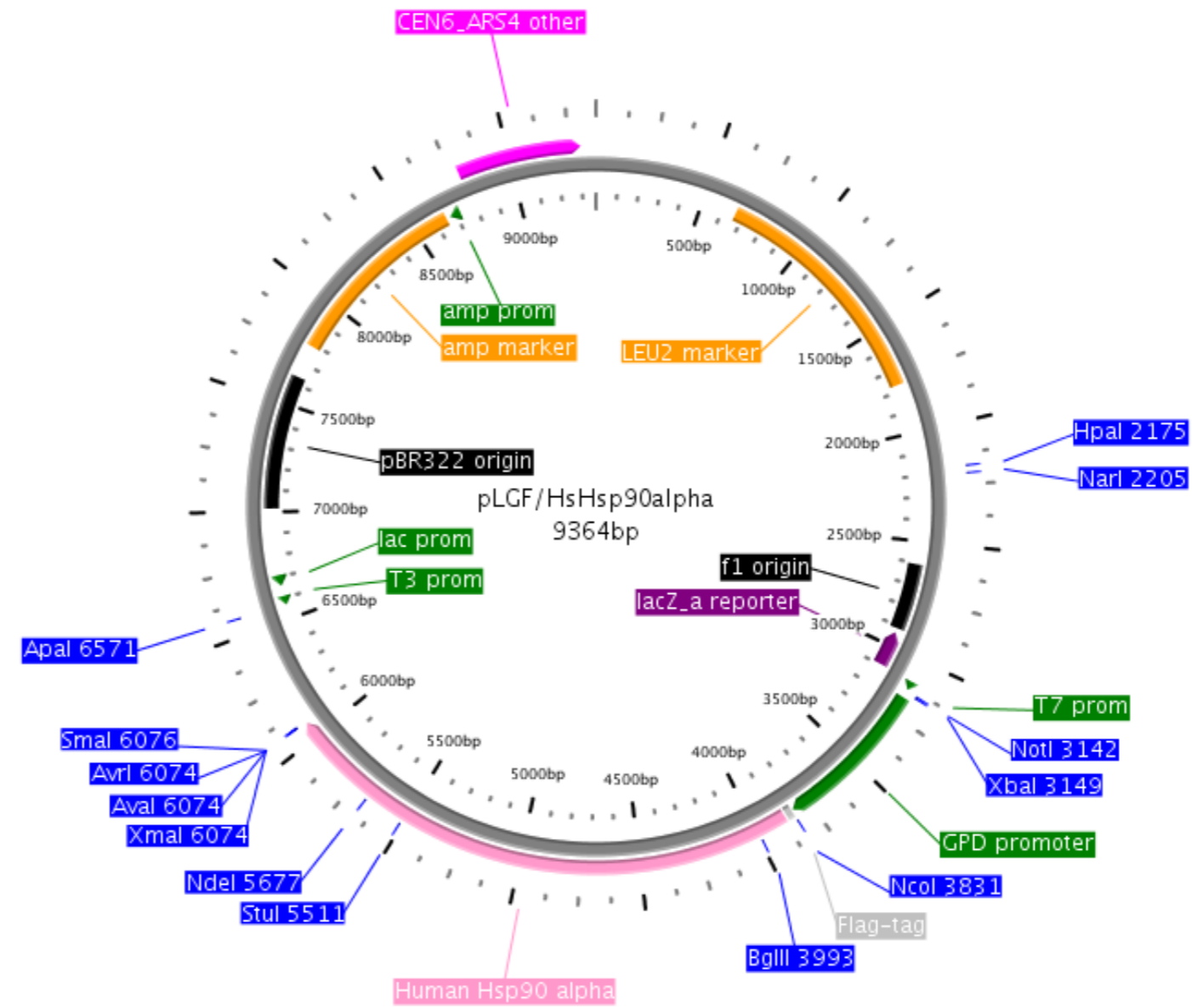
Inserts Human Hsp90α with Flag-tag at N-terminus

Reporter gene

Promoter, splice, PolyA GPD promoter and PGK terminator

Comments - sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.7.10

Constructed by Tai WANG

Date constructed 14.07.10

PLASMID NAME

pLGF/Lmjhsp90t

bacterial marker Amp	parent vector pRS315-GPD-PGK
yeast marker LEU2	bacterial plasmid Bluescript
eukaryotic replicon CEN/ARS	other relevant source constructs pHGF/Lmjhsp90

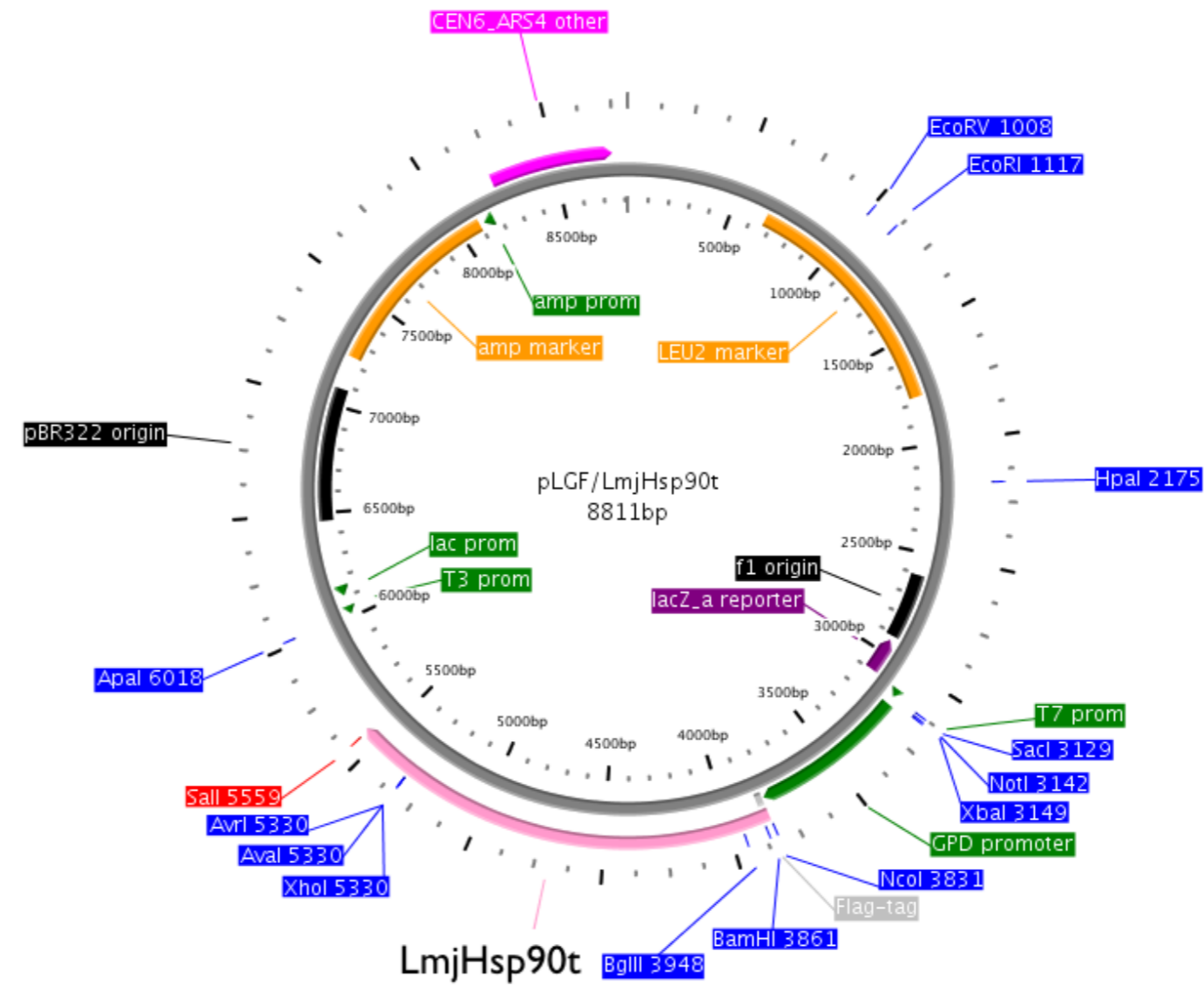
Inserts *Leishmania major* Hsp90 with Flag-tag at N-terminus.
ATTENTION: This is a truncated version of LmjHsp90.

Reporter gene

Promoter, splice, PolyA GPD promoter and PGK terminator

Comments - sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.7.10

Constructed by Tai WANG

Date constructed 14.06.2010

PLASMID NAME

pB/ScHsp82 LI34IV

alternative name

<u>bacterial marker</u> Amp	<u>parent vector</u> Bluescript <u>bacterial plasmid</u>
	<u>other relevant source constructs</u> pB/ScHsp82

Inserts The vector was generated by PCR-directed mutagenesis. The ScHsp82 carries a mutation of LI34VI

Primers used for mutagenesis are:

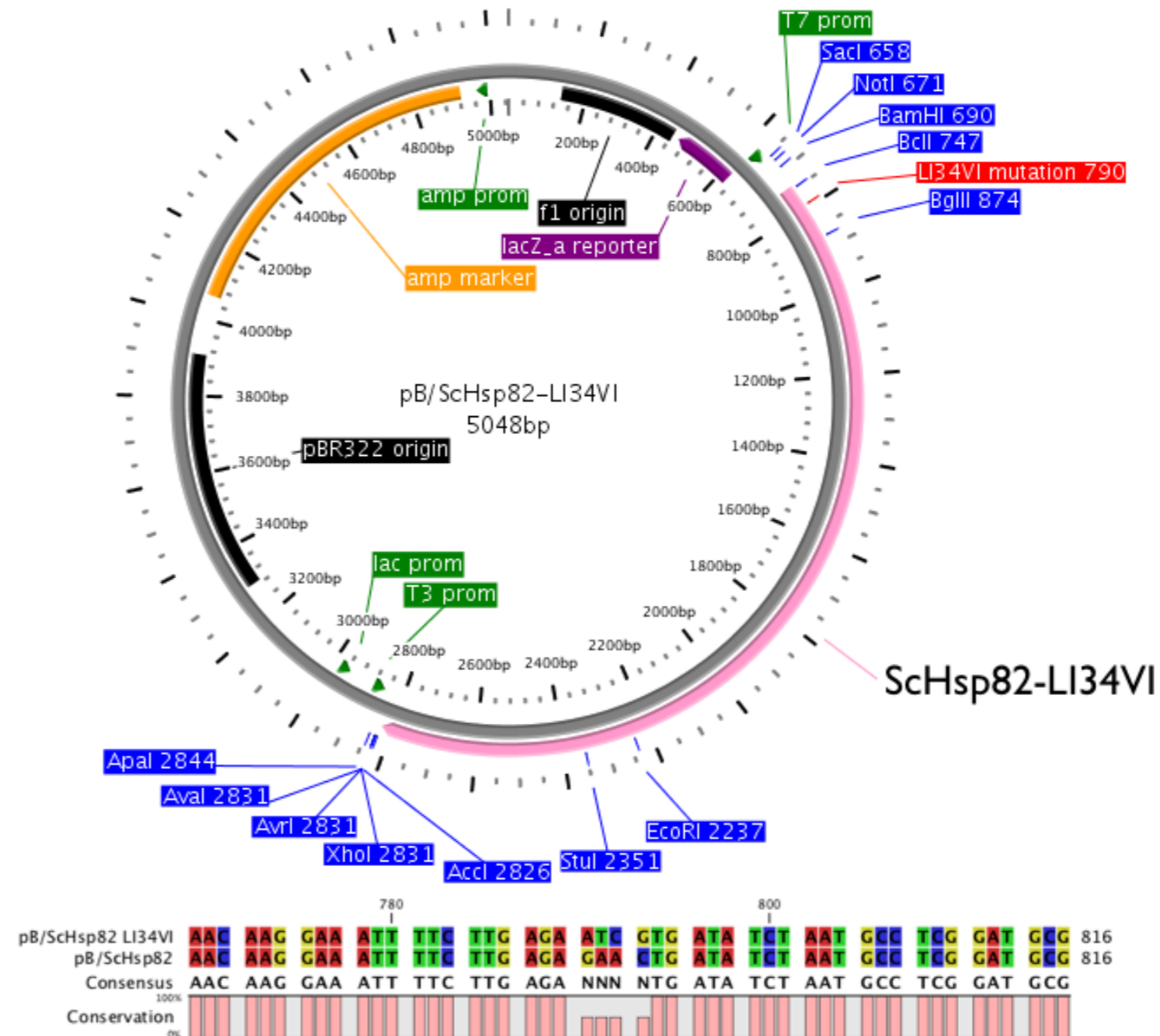
F: CCG TCT ATT CTA ACA AGG AAA TTT TCT TGA GAA **TCG** TGA TAT CTA ATG CCT CGG ATG CGT TGG
R: CCA ACG CAT CCG AGG CAT TAG ATA TCA **CGA** TTC TCA AGA AAA TTT CCT TGT TAG AAT AGA CGG

Reporter gene

Promoter, splice, PolyA

Comments

Reference



Construct number

2343

Date entered

3.8.10

Constructed by

Date constructed

PLASMID NAME

pcdna3_hUbc9

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts human conjugating enzyme for SUMO

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

2344

Date entered

3.8.10

Constructed by

Date constructed

PLASMID NAME

pcdna3-hUbc9/C93S

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

human conjugating enzyme for SUMO
the mutation C93S makes it catalytically inactive

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

2345

Date entered

3.8.10

Constructed by

Seiser Lab

Date constructed

PLASMID NAME

pCI-neo-HDAC1-myc

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

2346

Date entered

3.8.10

Constructed by

Edward T. Yeh

Date constructed

PLASMID NAME

Flag-SEN1

bacterial marker Amp

parent vector

pFLAG

bacterial plasmid

other relevant source constructs

Inserts

1.93 kb BgIII-Sall fragment of SENP1 was inserted in the BgIII-Sall sites of pFLAG (Sigma)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

2347

Date entered

3.8.10

Constructed by

Edward T. Yeh

Date constructed

PLASMID NAME

Flag-SENP2

bacterial marker Amp

parent vector

pFLAG

bacterial plasmid

other relevant source constructs

Inserts

1.77 kb EcoRI-Sall fragment of SENP2 was inserted in the EcoRI-Sall sites of pFLAG (Sigma)

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

2348

Date entered

3.8.10

Constructed by

Edward T. Yeh

Date constructed

PLASMID NAME

RGS-SEN3

bacterial marker Amp

parent vector

pcDNA3

bacterial plasmid

other relevant source constructs

Inserts

RGS-SEN3 (1.7 kb) inserted in the HindIII-XhoI sites of pcDNA3

RGS tag = MRGSHHHHHH

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

2349

Date entered

3.8.10

Constructed by

open biosystems

Date constructed

PLASMID NAME

RHS3979-9573622

alternative name

(SH HDAC6 ID39)

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

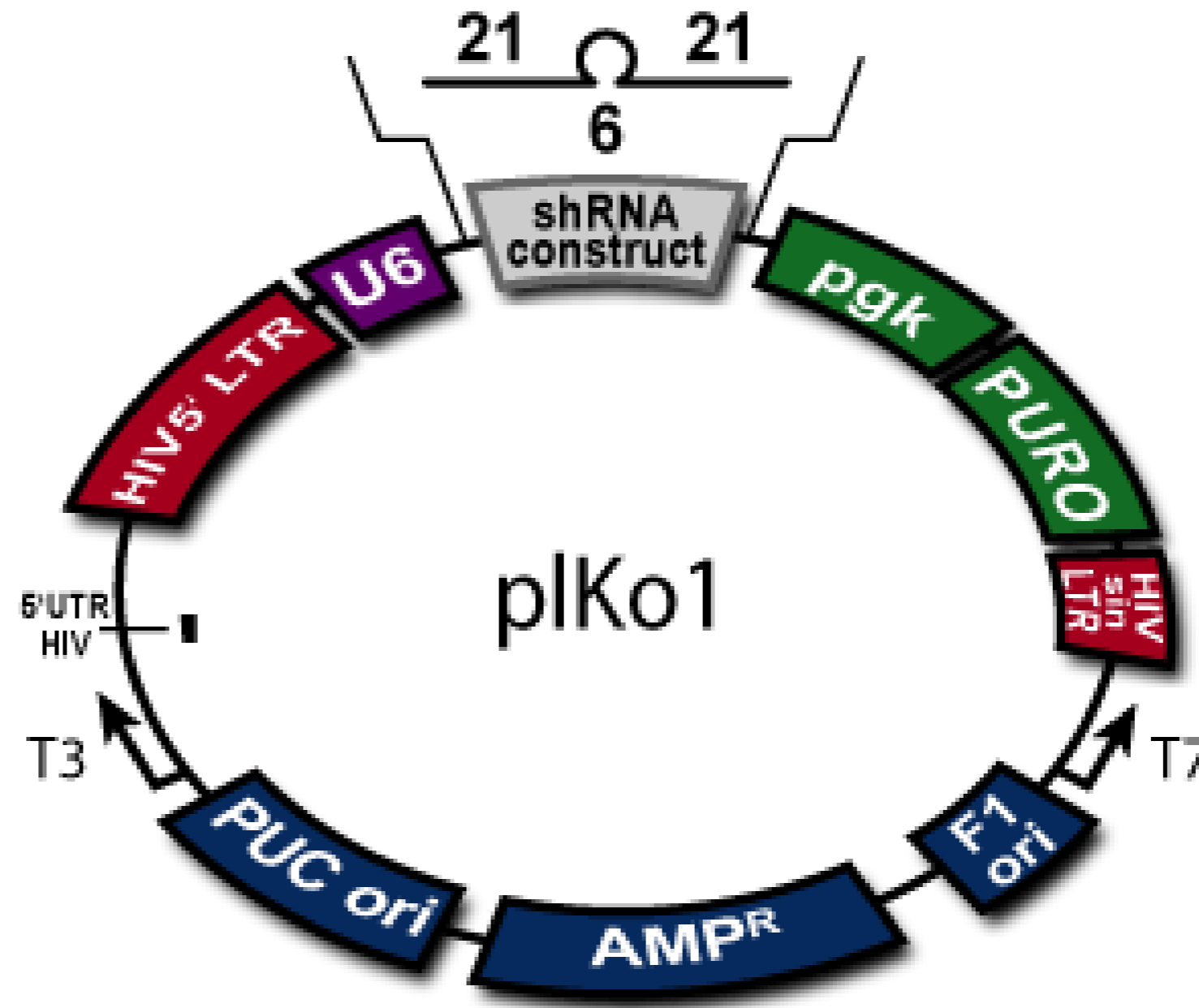
TRC shRNA construct targeting human HDAC6.

Reporter gene

Promoter, splice, PolyA
human U6 promoter

Comments

Reference www.openbiosystems.com



Construct number

2350

Date entered

3.8.10

Constructed by

open biosystems

Date constructed

PLASMID NAME

RHS3979-9573623

alternative name

SH HDAC6 ID40

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

TRC shRNA construct targeting human HDAC6.

Reporter gene

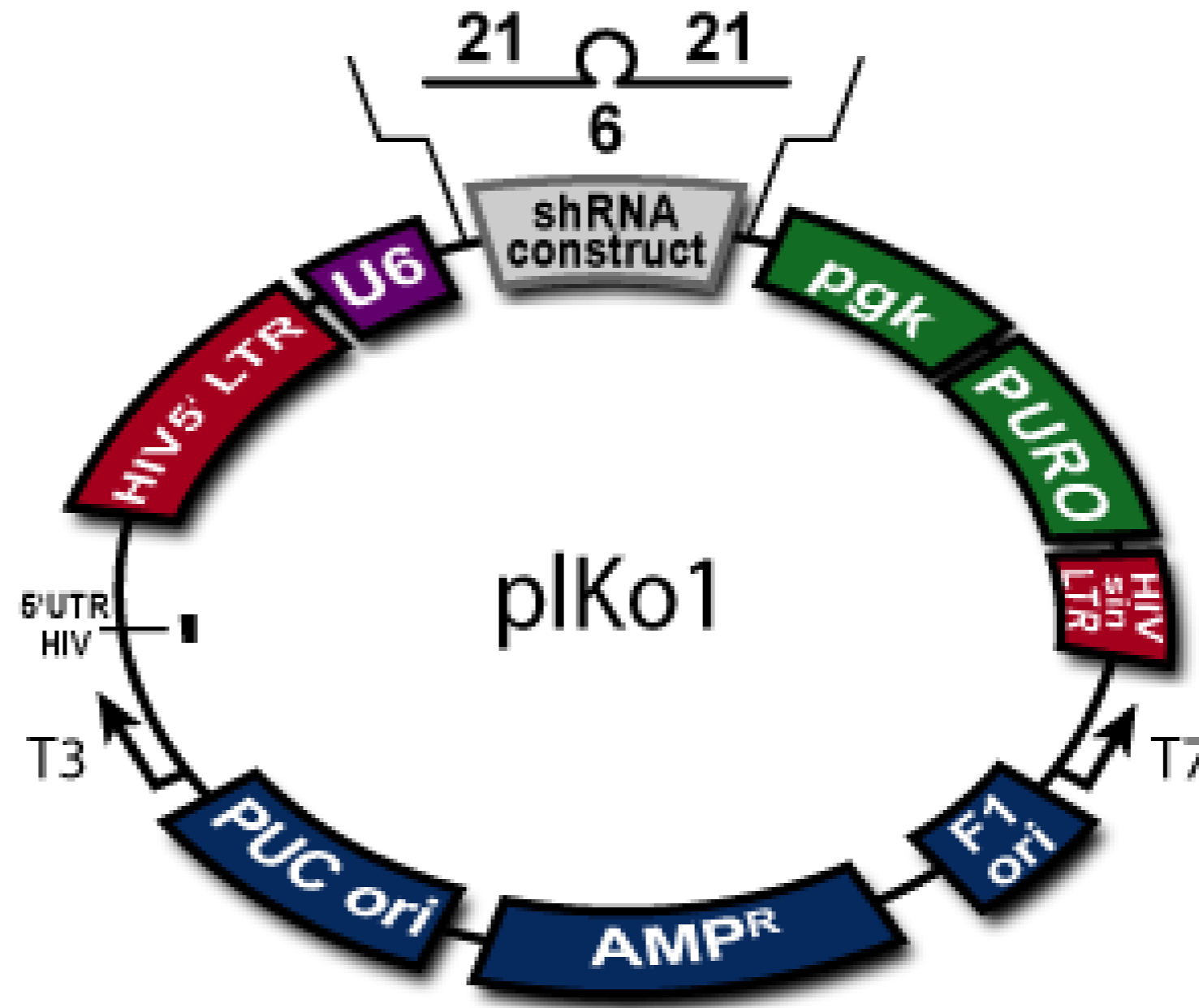
Promoter,
splice,
PolyA

human U6 promoter

Comments

Reference

www.openbiosystem.com



Construct number

2351

Date entered

3.8.10

Constructed by

open biosystems

Date constructed

PLASMID NAME

RHS3979-9573624

alternative name

SH HDAC6 ID41)

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

TRC shRNA construct targeting human HDAC6.

Reporter gene

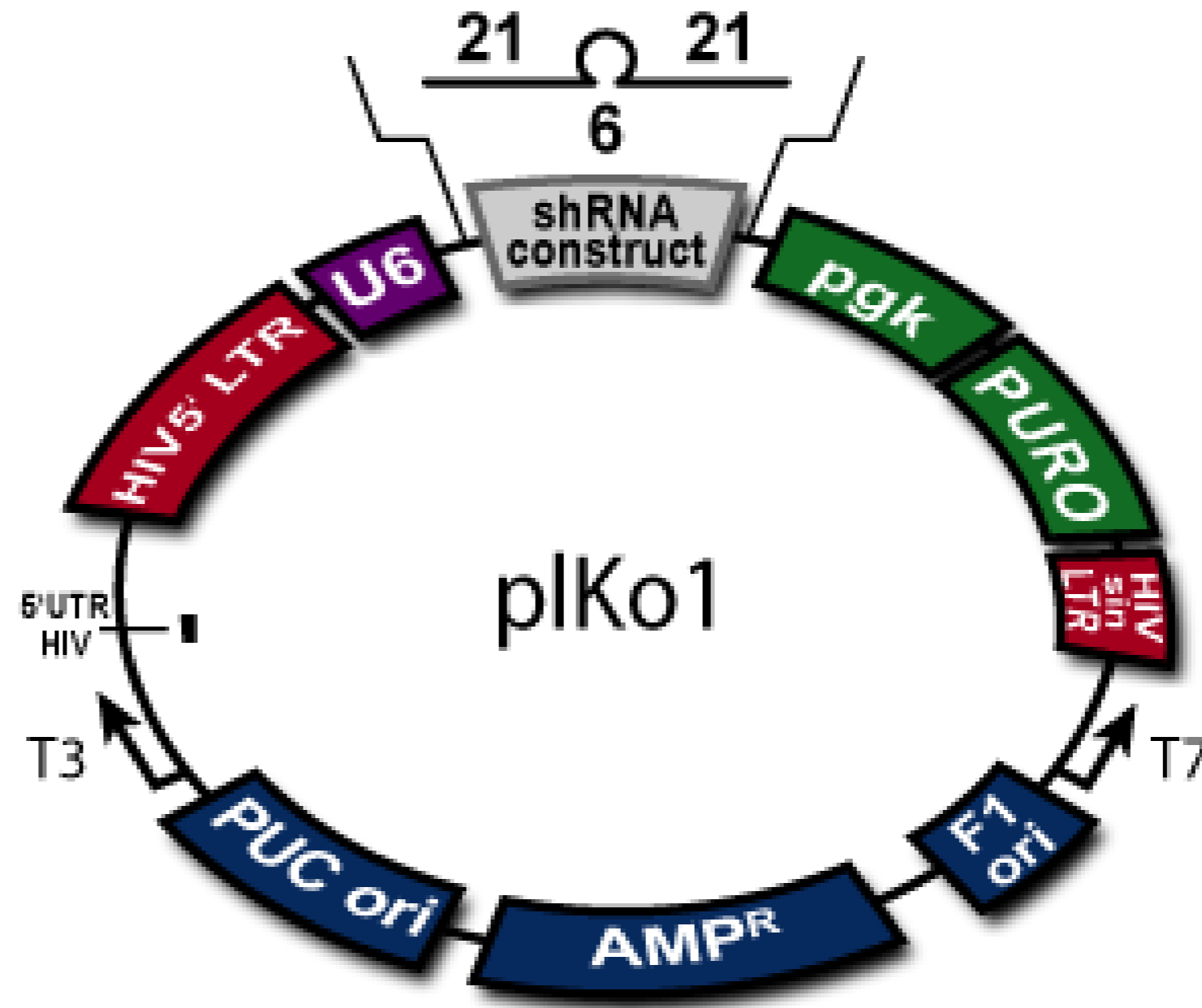
Promoter,
splice,
PolyA

human U6 promoter

Comments

Reference

www.openbiosystems.com



Construct number

2352

Date entered

3.8.10

Constructed by

open biosystems

Date constructed

PLASMID NAME

RHS3979-9573625

alternative name

SH HDAC6 ID42

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLK0.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

TRC shRNA construct targeting human HDAC6.

Reporter gene

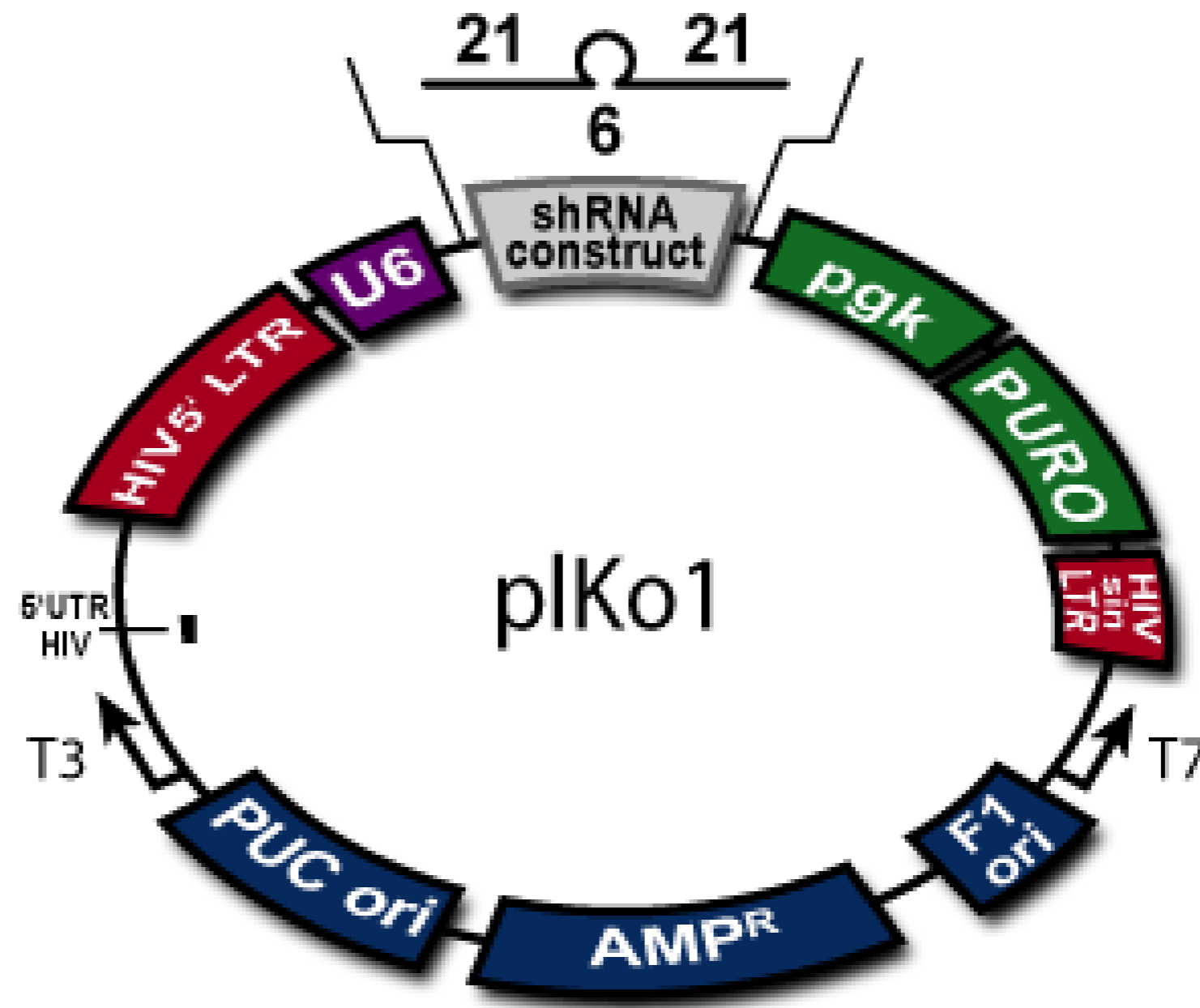
Promoter,
splice,
PolyA

human U6 promoter

Comments

Reference

www.openbiosystems.com



Construct number

2353

Date entered

3.8.10

Constructed by

open biosystems

Date constructed

PLASMID NAME

RHS3979-9573626

alternative name

SH HDAC6 ID43

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

TRC shRNA construct targeting human HDAC6.

Reporter gene

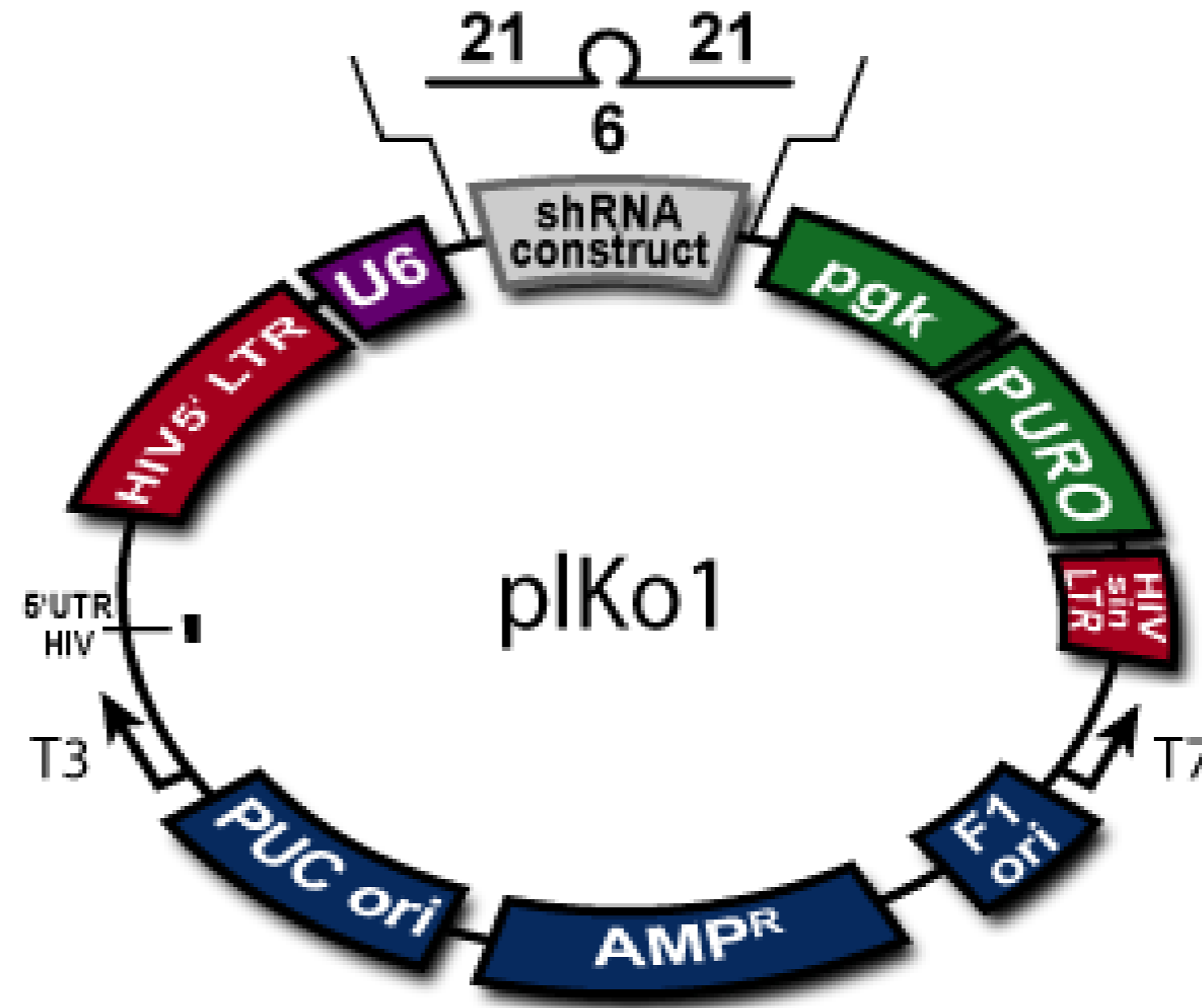
Promoter,
splice,
PolyA

human U6 promoter

Comments

Reference

www.openbiosystems.com



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 26.10.12

Constructed by Lilia Bernasconi

Date constructed 10.2012

PLASMID NAME

pET/mAha2

bacterial marker Amp

parent vector

pET15b

bacterial plasmid

pBR322

other relevant source constructs

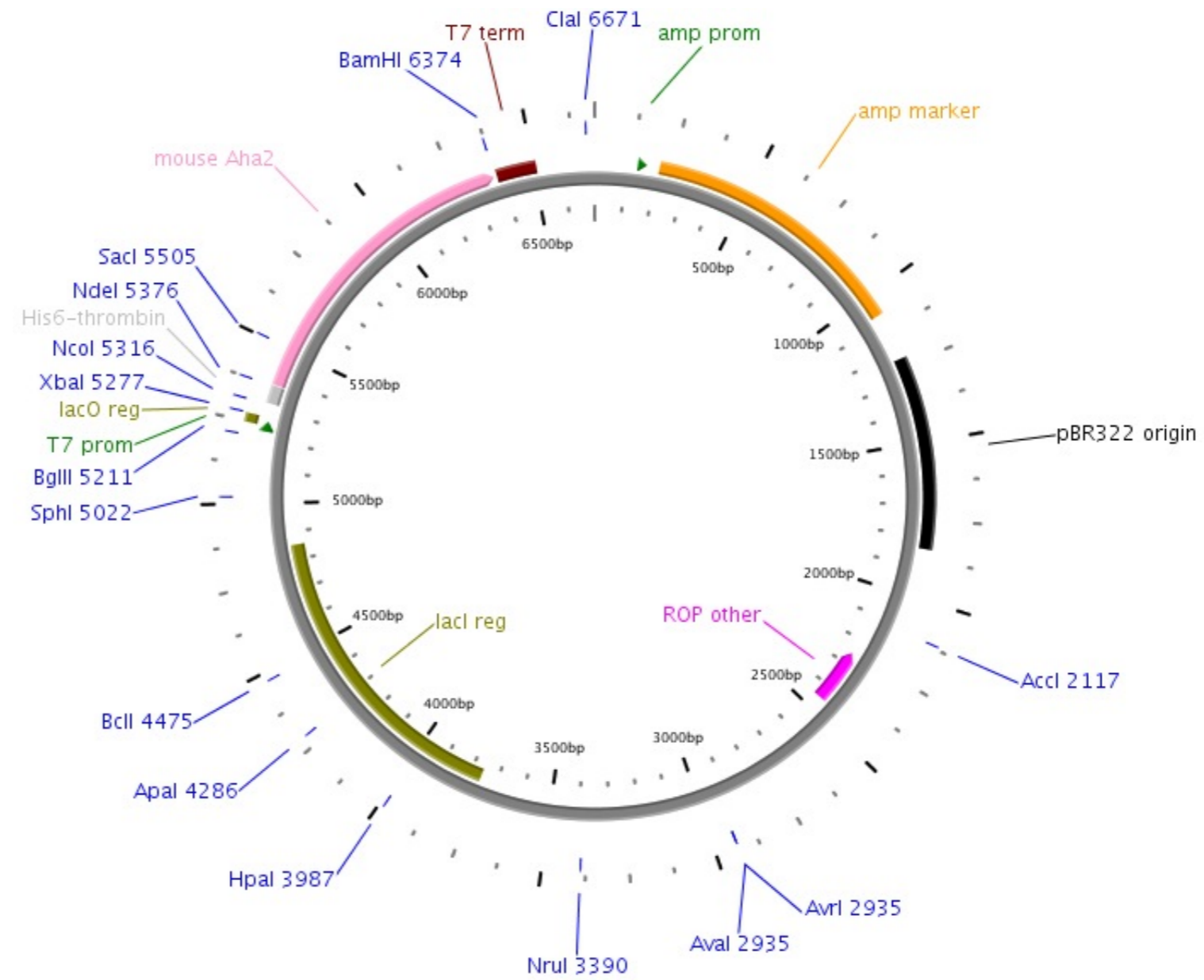
Inserts His6 tag followed by thrombin cleavage site fused to mouse Aha2

Reporter gene

Promoter, splice, PolyA T7 promoter

Comments - IPTG-inducible expression in E. coli
- Sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 2355

Date entered 21.10.10

Constructed by Deo Pandey and Diana Wider

Date constructed Dec. 2010

PLASMID NAME

pLCA/Cre-ER

bacterial marker Amp	parent vector pRS315
yeast marker LEU2	bacterial plasmid BLUESCRIPT
eucaryotic replicon CEN/ARS	other relevant source constructs HEG0, ADH1, Gal-Cre

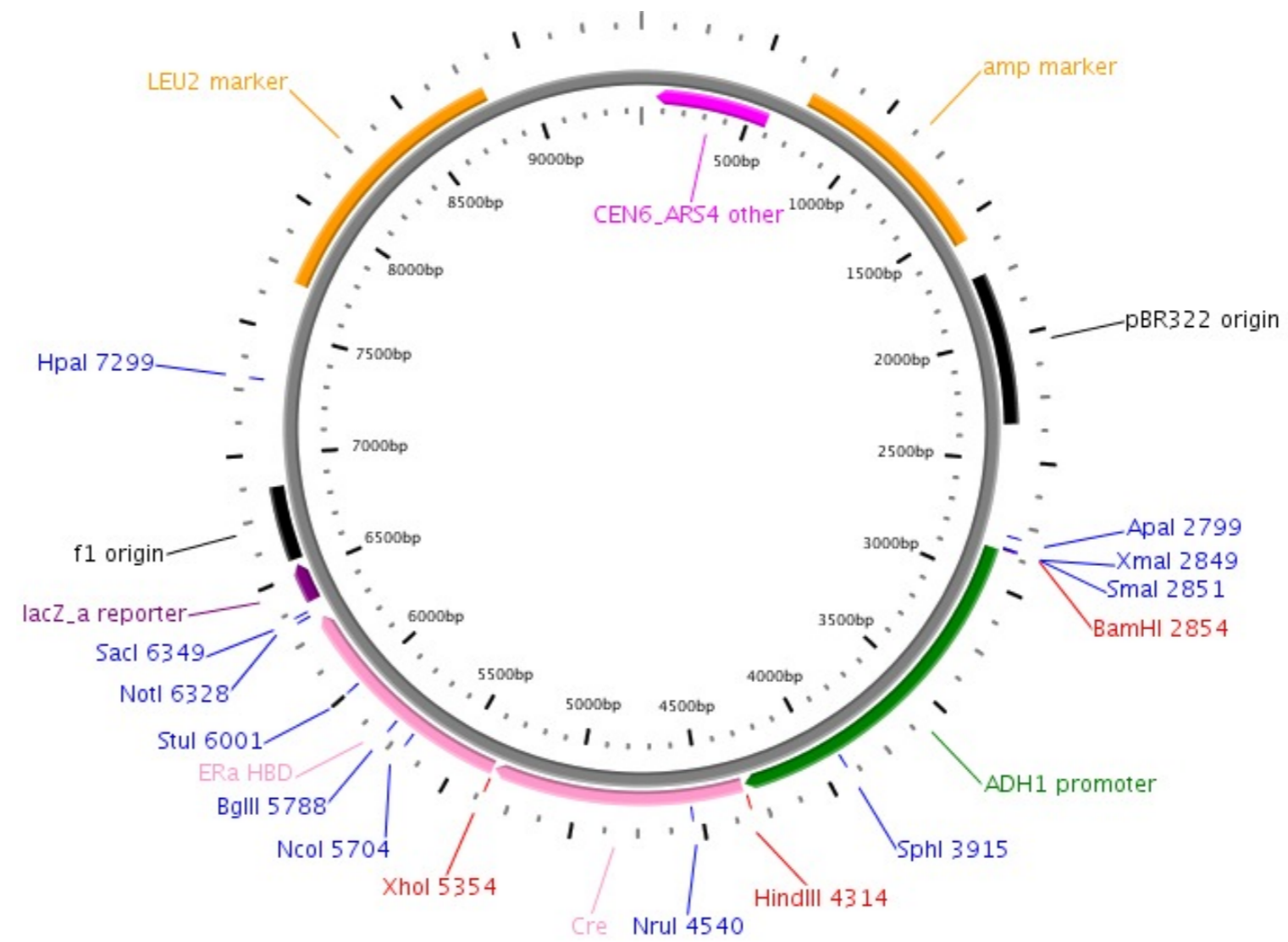
Inserts Cre recombinase fused to the wild-type (G400) hormone binding domain of human estrogen receptor α (AA 282-595).

Reporter gene

Promoter, splice, PolyA - ADH1 promoter (constitutive)

Comments - sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 5.11.10

Constructed by Lilia Bernasconi

Date constructed 11.2010

PLASMID NAME

HA-ERaVC_2

bacterial marker Amp	parent vector pHA-VC155
	bacterial plasmid
eukaryotic replicon SV40 ori	other relevant source constructs

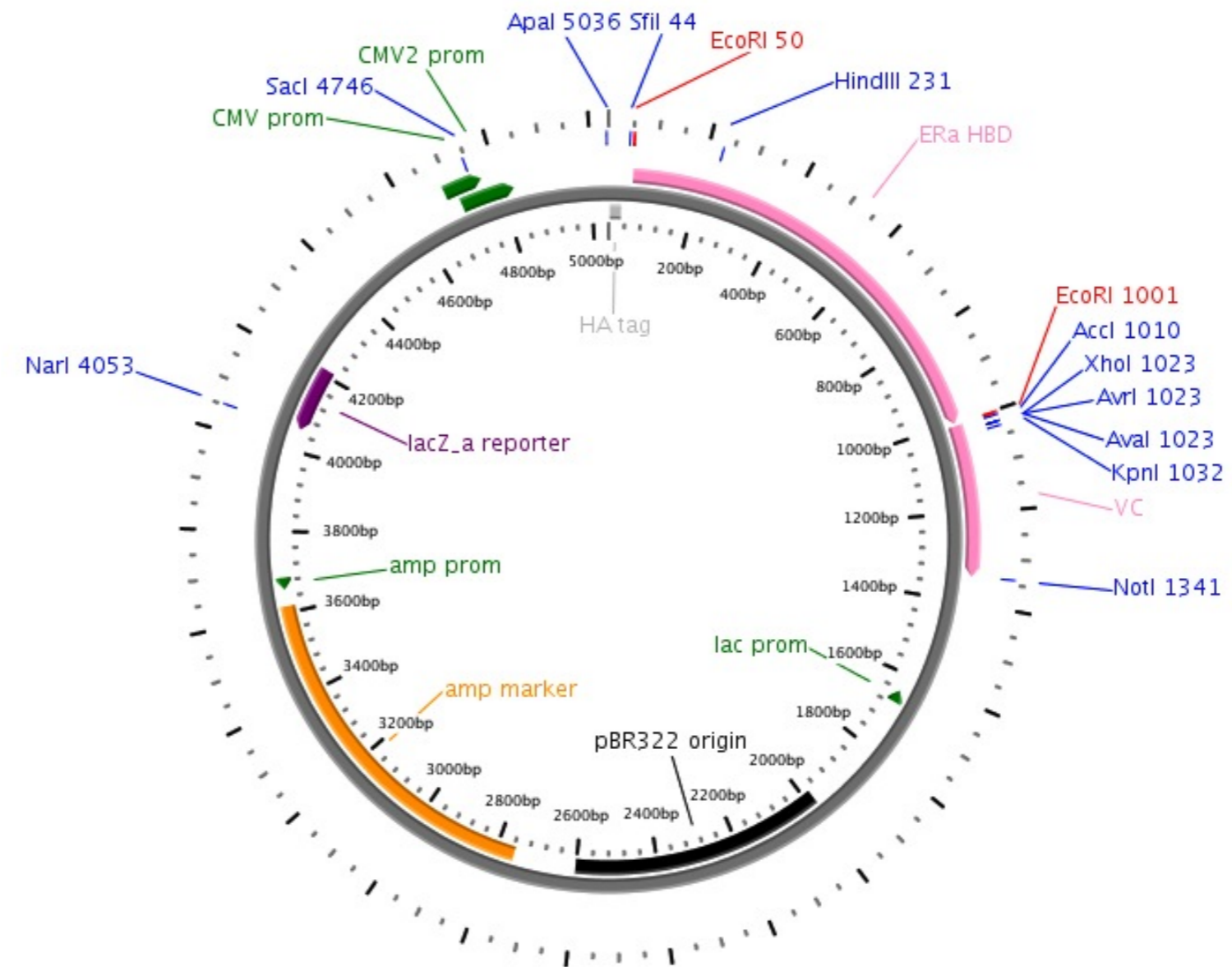
Inserts HA tag fused to hormone binding domain (AA 282-595) of estrogen receptor a fused to C-terminal fragment of Venus.

Reporter gene

Promoter, splice, PolyA CMV enhancer/promoter

Comments - sequence available
- HA epitope is YPYDVPDYA

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 5.11.10

Constructed by Lilia Bernasconi

Date constructed 11.2010

PLASMID NAME

F-SRC1VN_2

<u>bacterial marker</u> Amp	<u>parent vector</u> pFlag-VN173
	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

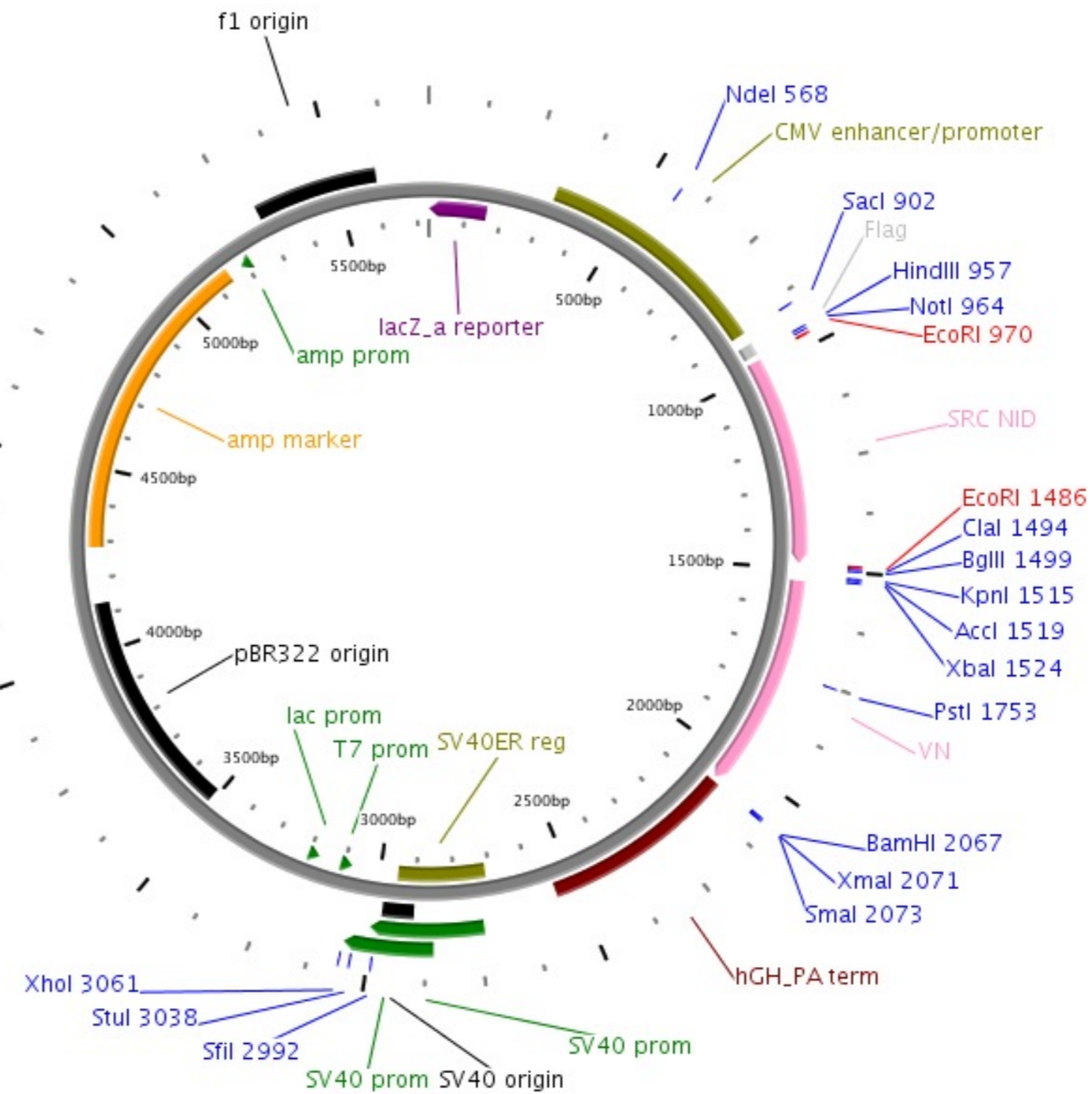
Inserts Flag tag fused to nuclear receptor interaction domain of SRC1 upstream of N-terminal portion of Venus

Reporter gene

Promoter, splice, PolyA CMV enhancer/promoter

Comments - sequence available

Reference



Construct number

2358

Date entered

8.11.10

Constructed by

Chaqour et al.

Date constructed

PLASMID NAME

p(-1999/+36)-luc

alternative name

CTGF-luc

bacterial marker Amp

parent vector

pGL3-basic

bacterial plasmid

other relevant source constructs

Inserts

2 kb promoter fragment of the human CTGF gene (positions -1999 to +36 relative to transcription start site), cloned as NheI-HindIII fragment

Reporter gene

luciferase

Promoter,
splice,
PolyA

- SV40 late polyA signal
- an additional synthetic polyA signal precedes the promoter fragment

Comments

Reference

Chaqour B, Yang R, Sha Q (2006) J Biol Chem 281: 20608–20622 {a gift from Dr. Brahim Chaqour (SUNY, Downstate) to Marcello Maggiolini in the context of Pandey et al. (2009)}

DIDIER PICARD LAB, University of Geneva

Construct number 2359

Date entered 14.12.10

Constructed by Deo Prakash Pandey

Date constructed Oct 07

PLASMID NAME

pSR.sh-CTRL

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSuper-Retro

bacterial plasmid

other relevant source constructs

pSR.miR-009

Inserts The expressed shRNA does not target any gene in the human genome.

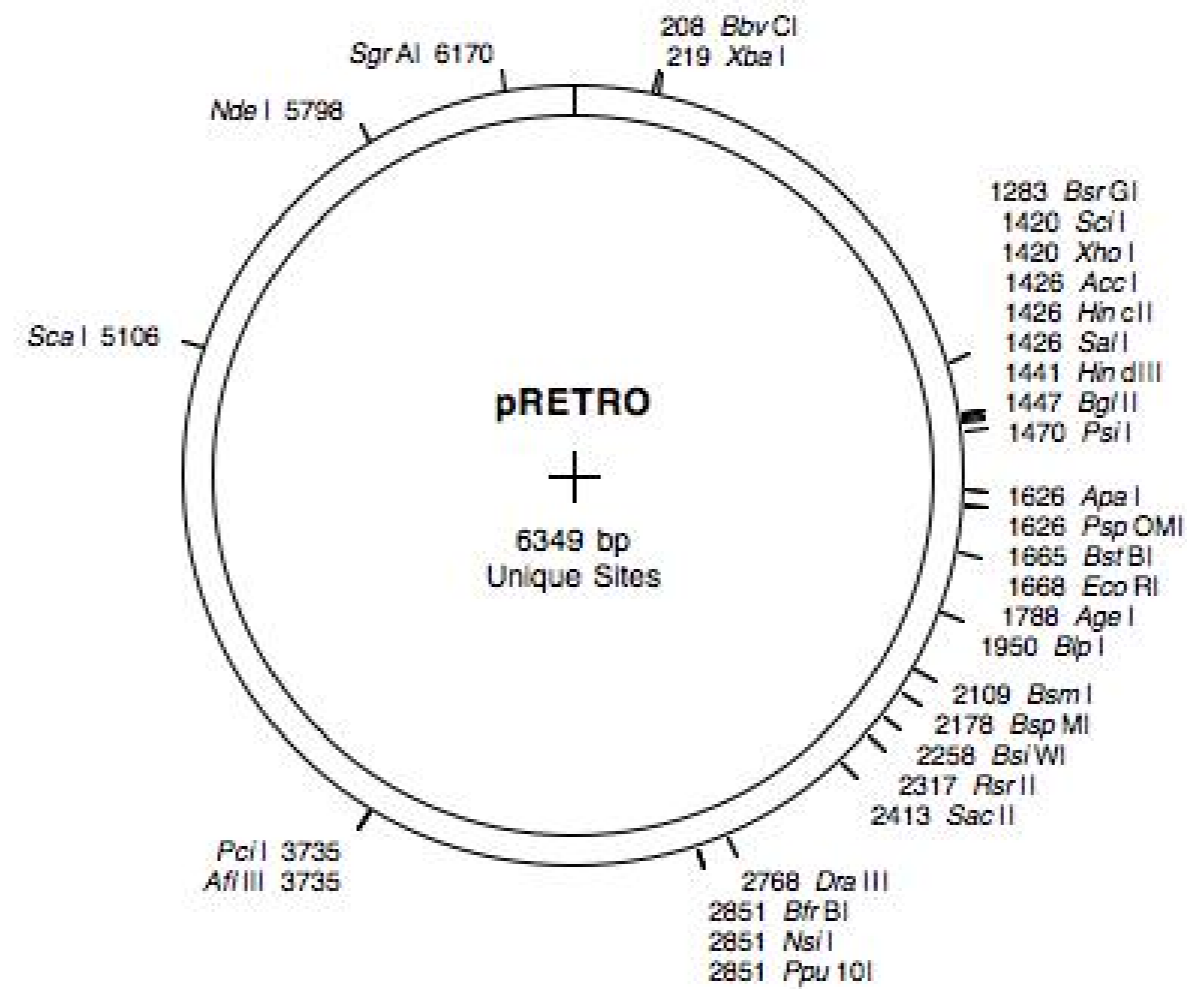
sh-CTRL CGAGGGCGACTTAACCTTAGG

Reporter gene

Promoter,
splice,
PolyA

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2360

Date entered

14.12.10

Constructed by

Deo Prakash Pandey

Date constructed

Jan 2006

PLASMID NAME

pSR.mut-miR-219

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSuper-Retro

bacterial plasmid

other relevant source constructs

pSR.miR-009

Inserts

miR-219 cloned into pSR to be expressed as an shRNA. pSR was cut with BglIII and XhoI.

miR-219:

TGATTGTCCAACGCAATTCT

miR-219-mut5:

TCTAACTCCAACGCAATTCT

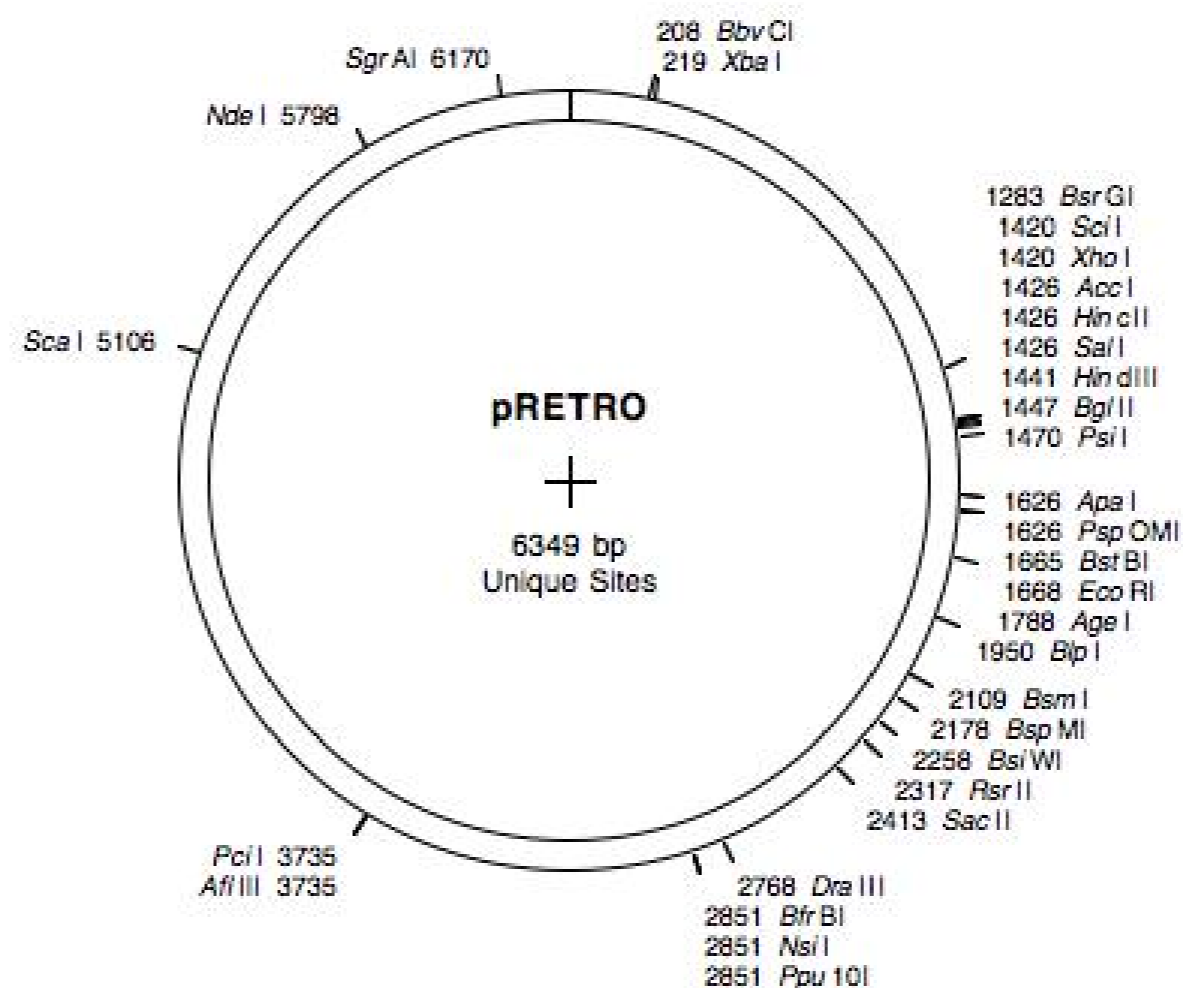
Reporter gene

Promoter,
splice,
PolyA

Comments

Insert verified with sequencing. Find the insert (reverse orientation) in sequences

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.12.10

Constructed by Deo Prakash Pandey

Date constructed Jan 2006

PLASMID NAME

pSR.mut-miR-221

bacterial marker Amp

vertebrate marker Puromycin

parent vector
pSuper-Retro

bacterial plasmid

other relevant source constructs

pSR.miR-009

Inserts miR-221 cloned into pSR to be expressed as an shRNA. pSR was cut with BglIII and XhoI.

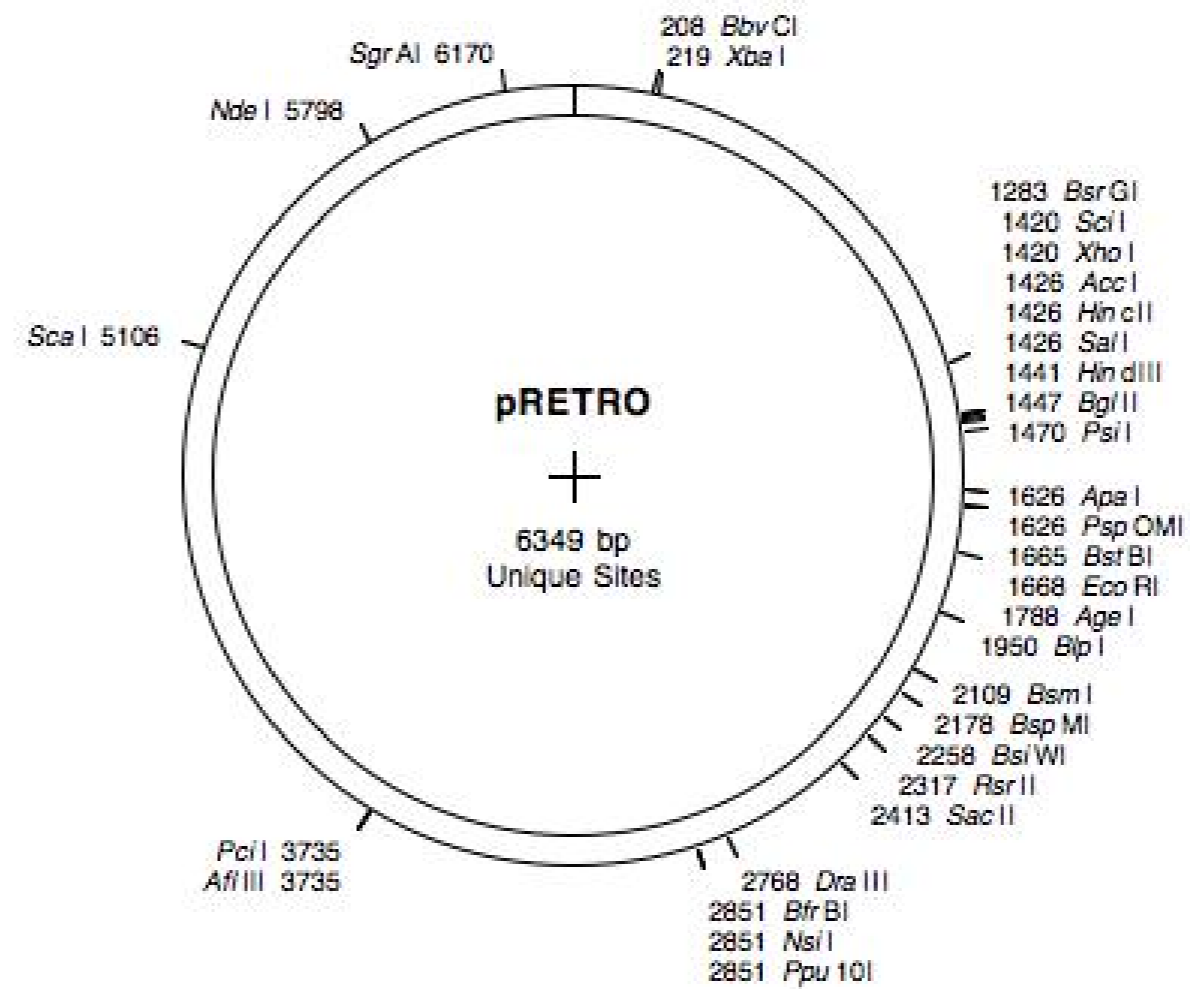
miR-221: AGCTACATTGTC TGCTGGGTTTC
miR-221-mut5: ACGATGACATTGTC TGCTGGGTTTC

Reporter gene

Promoter,
splice,
PolyA

Comments Insert verified with sequencing. Find the insert (reverse orientation) in sequences

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.12.10

Constructed by Marcela

Date constructed Aug 2006

PLASMID NAME

pSR.siGR

bacterial marker Amp

vertebrate marker Puromycin

parent vector
pSuper-Retro

bacterial plasmid

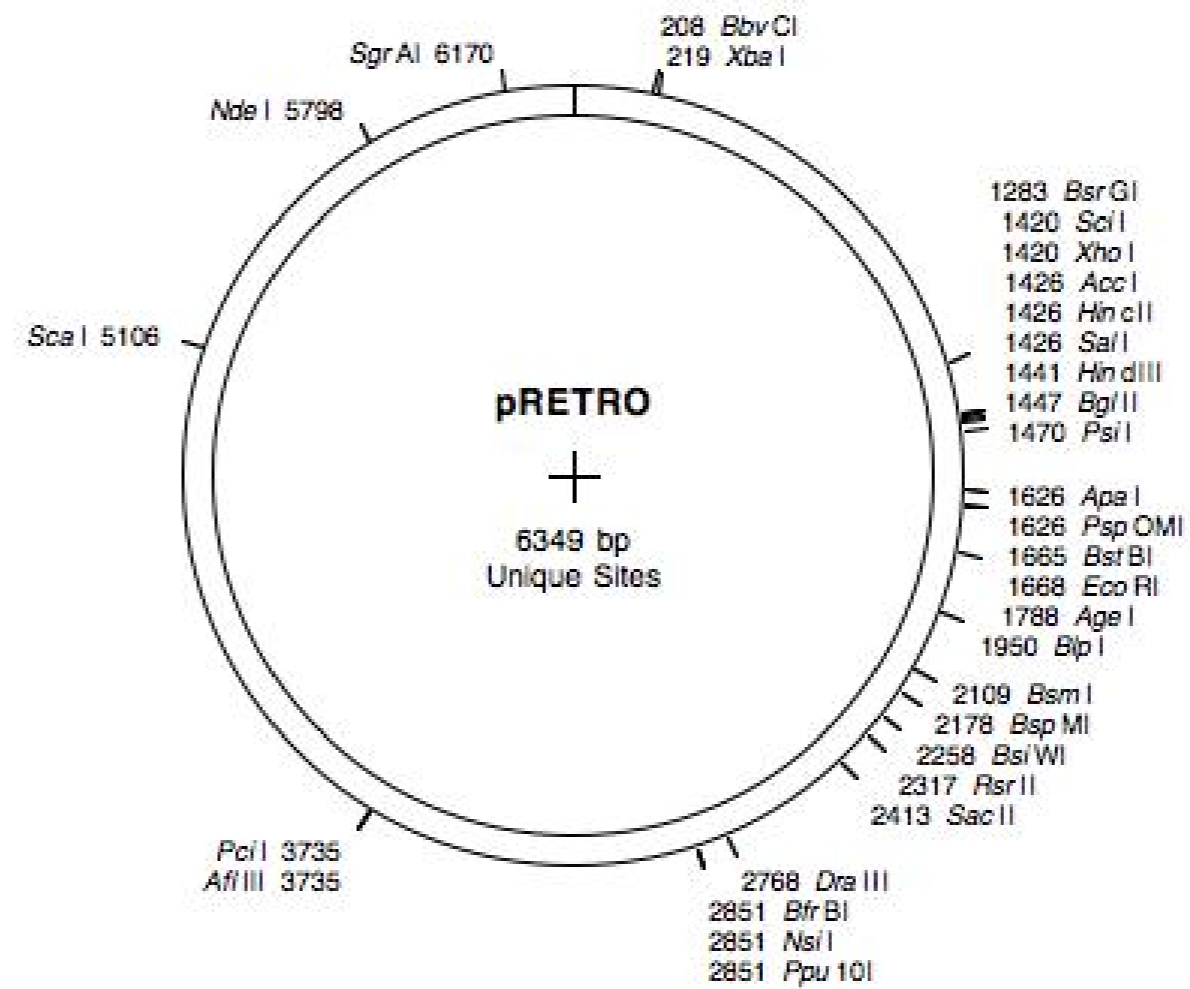
other relevant source constructs

Inserts antisense oligo targeting Estrogen receptor alpha was cloned into pSR to be expressed as an shRNA. pSR was cut with BglII and XhoI. The targeting sequence is same as in reference

shGR: **GAAAGCATTGCAAACCTCA**

Reporter gene

Promoter,
splice,
PolyA



Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

2363

Date entered

14.12.10

Constructed by

Deo & Marcela

Date constructed

Aug 2006

PLASMID NAME

pSR.si5_Auf1

bacterial marker Amp

vertebrate marker Puromycin

parent vector
pSuper-Retro

bacterial plasmid

other relevant source constructs

Inserts

antisense oligo targeting Estrogen receptor alpha was cloned into pSR to be expressed as an shRNA. pSR was cut with BglII and XhoI. The targeting sequence is same as in reference

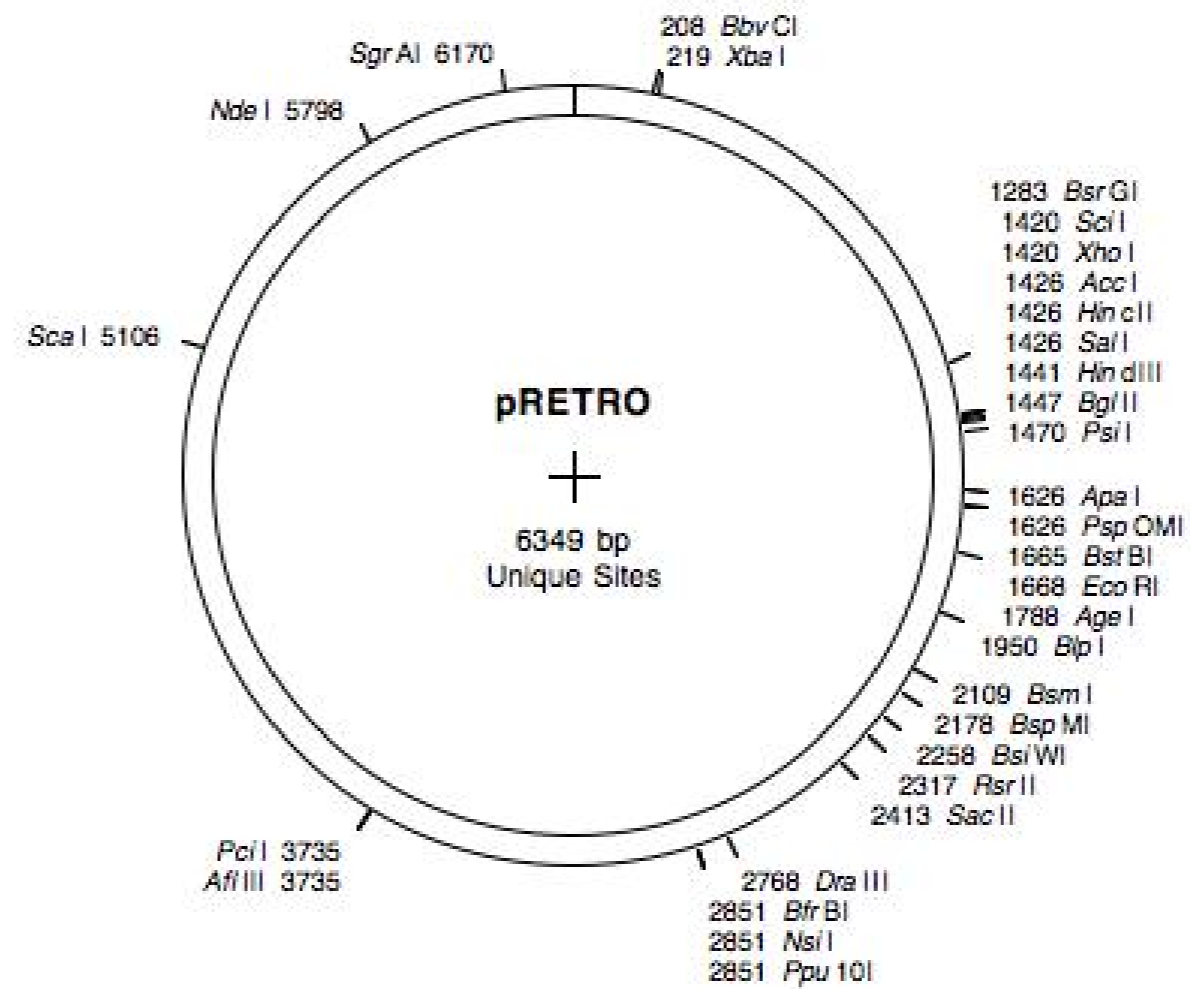
sh5_Auf1: **AACAGCCAAGGTTACGGTGGT**

Reporter gene

Promoter,
splice,
PolyA

Comments Source: Qiagen validated siRNAs

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.12.10

Constructed by Deo & Marcela

Date constructed August 09

PLASMID NAME

pGL3.GR_UTR1-mut22

bacterial marker Amp	parent vector 1876 bacterial plasmid
	other relevant source constructs pGL3-CMV.luc, pBS.GR_UTR, pGL3.GR_UTR1

Inserts First 1 kb Sub-fragment of hGR UTR was amplified using 2241 as the template with speI site at both ends and ligated into pGL3-CMV.luc at the XbaI site.

> fwd_GR_mut1
GTA CAG CTG TTT AAG ATG GGC TCG TAG TTC GTA GC

> rev_GR_mut1
GCC CAT CTT AAA CAG CTG TAC AAT AAC TTG

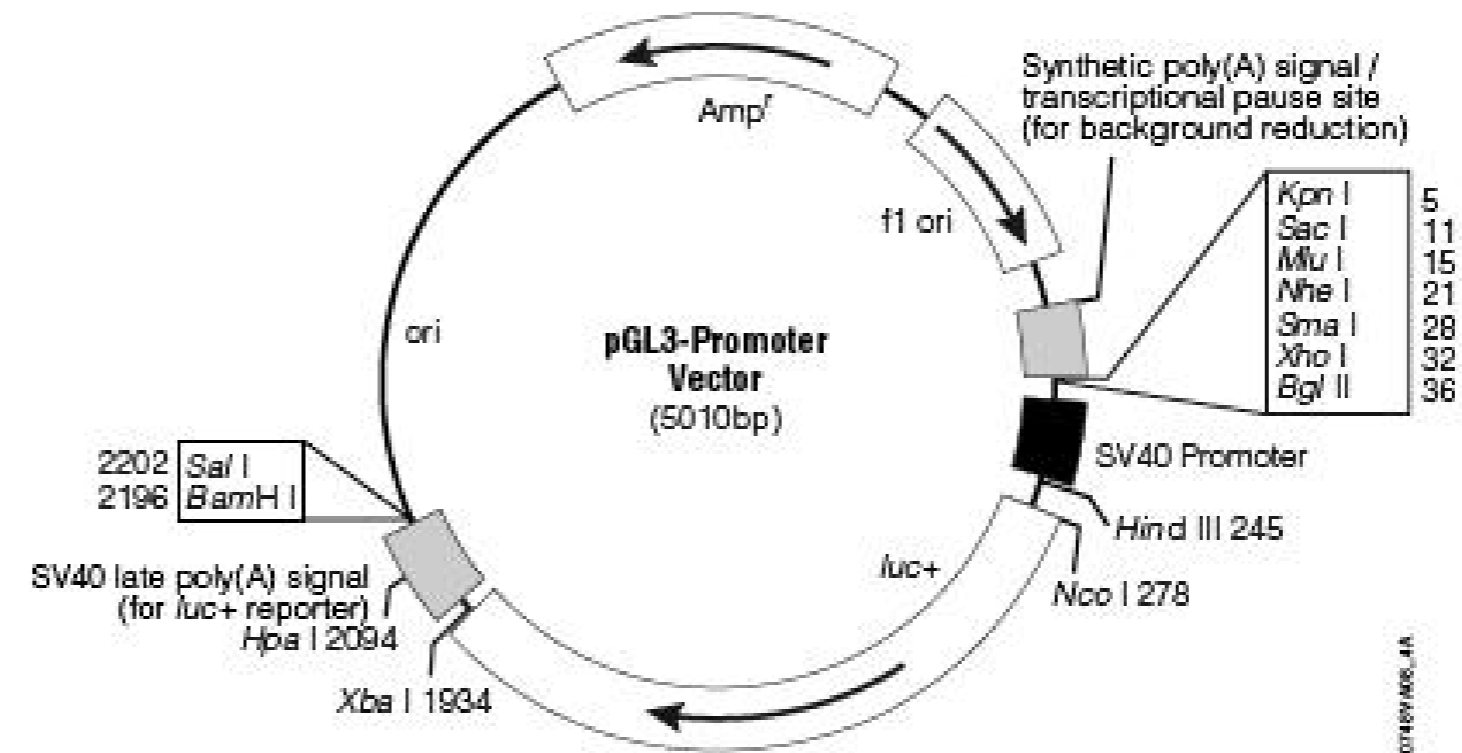
Reporter gene

Promoter, splice, PolyA CMV

Comments Please note that XbaI site is destroyed.

Primers are available.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 14.12.10

Constructed by Deo & Marcela

Date constructed August 09

PLASMID NAME

pGL3.GR_UTR2-mut22

bacterial marker Amp

parent vector
1876

bacterial plasmid

other relevant source constructs
pGL3-CMV.luc, pBS.GR_UTR, pGL3.GR_UTR2

Inserts Second 1 kb Sub-fragment of hGR UTR was amplified using 2241 as the template with speI site at both ends and ligated into pGL3-CMV.luc at the XbaI site.

> fwd_GR_mut2
GGG AAG GGA AGG GCT ACT GCT CGT TTA CAT GC

> rev_GR_mut2
GGG AAG GGA AGG GCT ACT GCT CGT TTA CAT GC

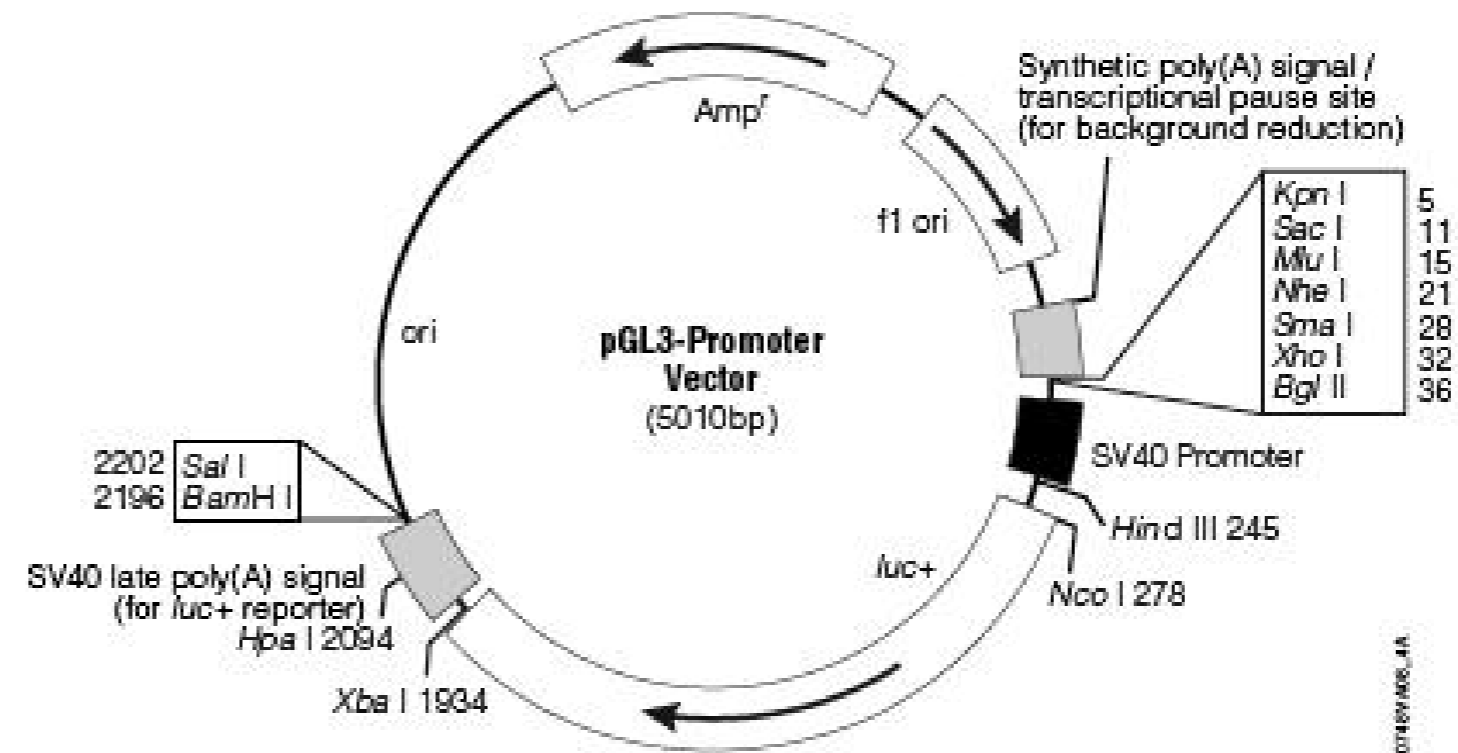
Reporter gene

Promoter, splice, PolyA
CMV

Comments Please note that XbaI site is destroyed.

Primers are available.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 2366

Date entered 14.12.10

Constructed by Deo & Marcela

Date constructed Oct 09

PLASMID NAME

pGL3.GR_3'UTR(1+2)-mut2

bacterial marker Amp

parent vector
Bluescript (+)

bacterial plasmid

other relevant source constructs
2241, pGL3.GR_3'UTR(1+2)

Inserts

First 2 kb Sub-fragment of hGR UTR was amplified using 2241 as the template with *speI* site at both ends and then, ligated into BS(+) also cut with *speI*. Expected band sizes after cutting this vector with *speI* is 3 and 2kb (2 kb is insert).

>fwd_GR_mut2
GGG AAG GGA AGG GCT ACT GCT CGT TTA CAT GC

>rev_GR_mut2
GGG AAG GGA AGG GCT ACT GCT CGT TTA CAT GC

Reporter gene luciferase

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 2367

Date entered 14.12.10

Constructed by Deo & Marcela

Date constructed Oct 09

PLASMID NAME

pGL3.GR_3'UTR(1+2)-mut1+2

bacterial marker Amp

parent vector
Bluescript (+)

bacterial plasmid

other relevant source constructs
2241, pGL3.GR_3'UTR(1+2)

Inserts First 2 kb Sub-fragment of hGR UTR was amplified using 2241 as the template with *speI* site at both ends and then, ligated into BS(+) also cut with *speI*. Expected band sizes after cutting this vector with *speI* is 3 and 2kb (2 kb is insert).

```
>fwd_GR_mut1
GTA CAG CTG TTT AAG ATG GGC TCG TAG TTC GTA GC
>rev_GR_mut1
GCC CAT CTT AAA CAG CTG TAC AAT AAC TTG
```

```
>fwd_GR_mut2
GGC AAG GGA AGG GCT ACT GCT CGT TTA CAT GC
>rev_GR_mut2
CCC AAC CCA ACC CCT ACT CCT CCT TTA CAT CC
```

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number 2368

Date entered 14.12.10

Constructed by Deo & Marcela

Date constructed Oct 09

PLASMID NAME

pGL3.GR_3'UTR(1+2)-mut1+2

bacterial marker Amp

parent vector
Bluescript (+)

bacterial plasmid

other relevant source constructs
2241, pGL3.GR_3'UTR(1+2)

Inserts First 2 kb Sub-fragment of hGR UTR was amplified using 2241 as the template with *speI* site at both ends and then, ligated into BS(+) also cut with *speI*. Expected band sizes after cutting this vector with *speI* is 3 and 2kb (2 kb is insert).

>fwd_GR_mut1
GTA CAG CTG TTT AAG ATG GGC TCG TAG TTC GTA GC
>rev_GR_mut1
GCC CAT CTT AAA CAG CTG TAC AAT AAC TTG

Reporter gene Quiferase
>fwd_GR_mut2
GGC AAG GGA AGG GCT ACT GCT CGT TTA CAT GC
>rev_GR_mut2
CCC AAC CCA ACC CCT ACT CCT CCT TTA CAT CC

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.12.10

Constructed by Deo Prakash Pandey

Date constructed Sep 2008

PLASMID NAME

pSR.sh1_RNF20

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSuper-Retro

bacterial plasmid

other relevant source constructs

Inserts antisense oligo targeting 3'UTR of human RNF20 (Bre1A) was cloned into pSR to be expressed as an shRNA. pSR was cut with BglIII and XhoI.

sh1_RNF20: **TAAGTGTCCGTTGAGTCGCTG**

THIS WORKS!!!

Also note that this is retro plasmid and not lenti, thus use pCMV-GagPol and pMD2G to make viruses and not psPax2.

Reporter gene

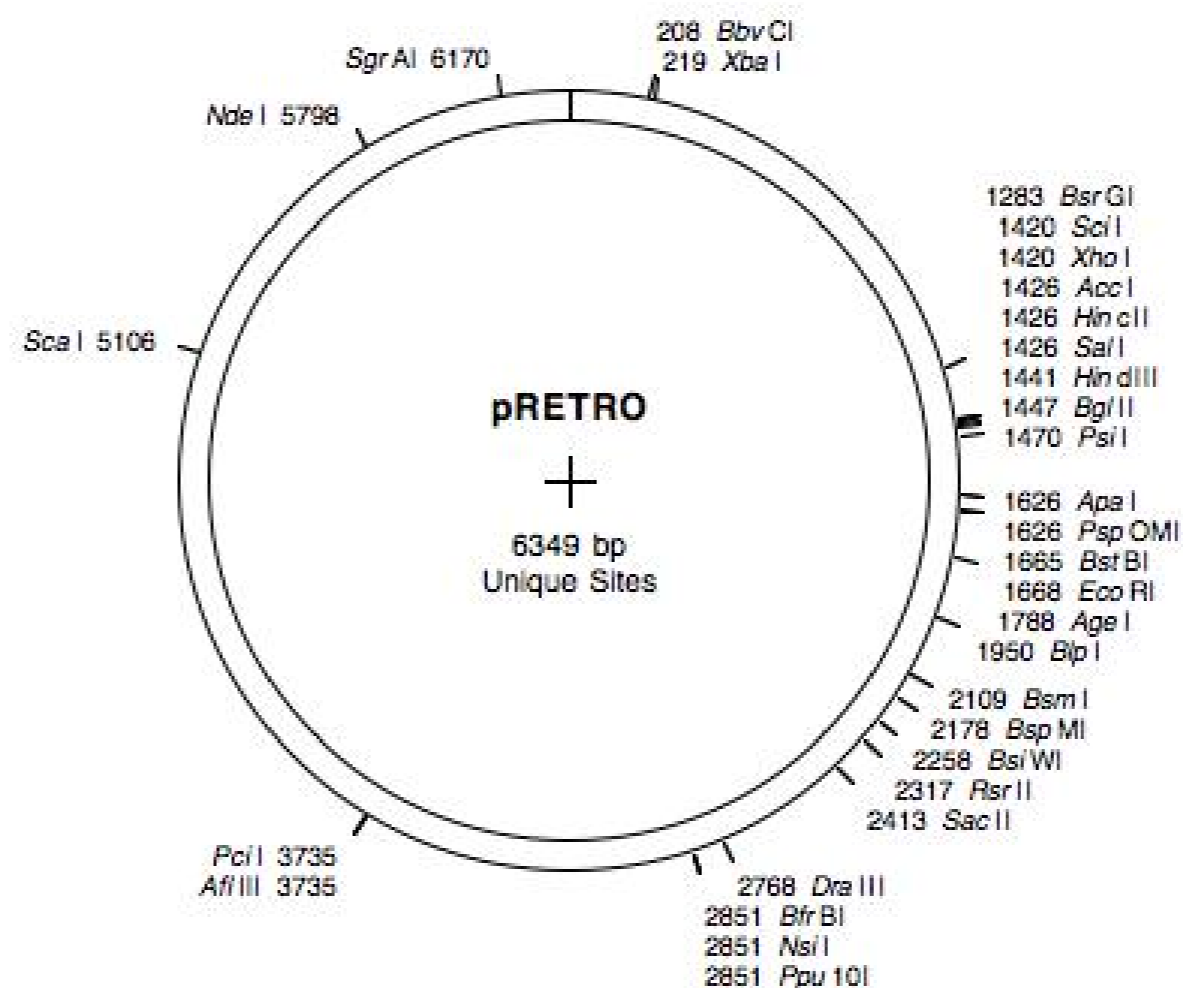
Promoter,
splice,
PolyA

Comments Please note that this is a different plasmid and targeting shRNA that sh1_hBre1A (2270)

Targets 856..876 of RNF20 CDS.

Reference -----
The siRNA sequence comes from supplementary data:

Pirngruber et al (2009) CDK9 directs H2B monoubiquitination and controls replication-dependent histone mRNA 3'-end



DIDIER PICARD LAB, University of Geneva

Construct number

2370

Date entered

16.12.10

Constructed by

Deo Prakash Pandey

Date constructed

Sep 2008

PLASMID NAME

pSR.sh2_RNF20

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSuper-Retro

bacterial plasmid

other relevant source constructs

Inserts

antisense oligo targeting 3'UTR of human RNF20 (Bre1A) was cloned into pSR to be expressed as an shRNA. pSR was cut with BglIII and XhoI.

sh2_RNF20: **TTAGCTTCGGGATAAGAGCT**

THIS WORKS!!!

Also note that this is retro plasmid and not lenti, thus use pCMV-GagPol and pMD2G to make viruses and not psPax2.

Reporter gene

Promoter,
splice,
PolyA

Comments

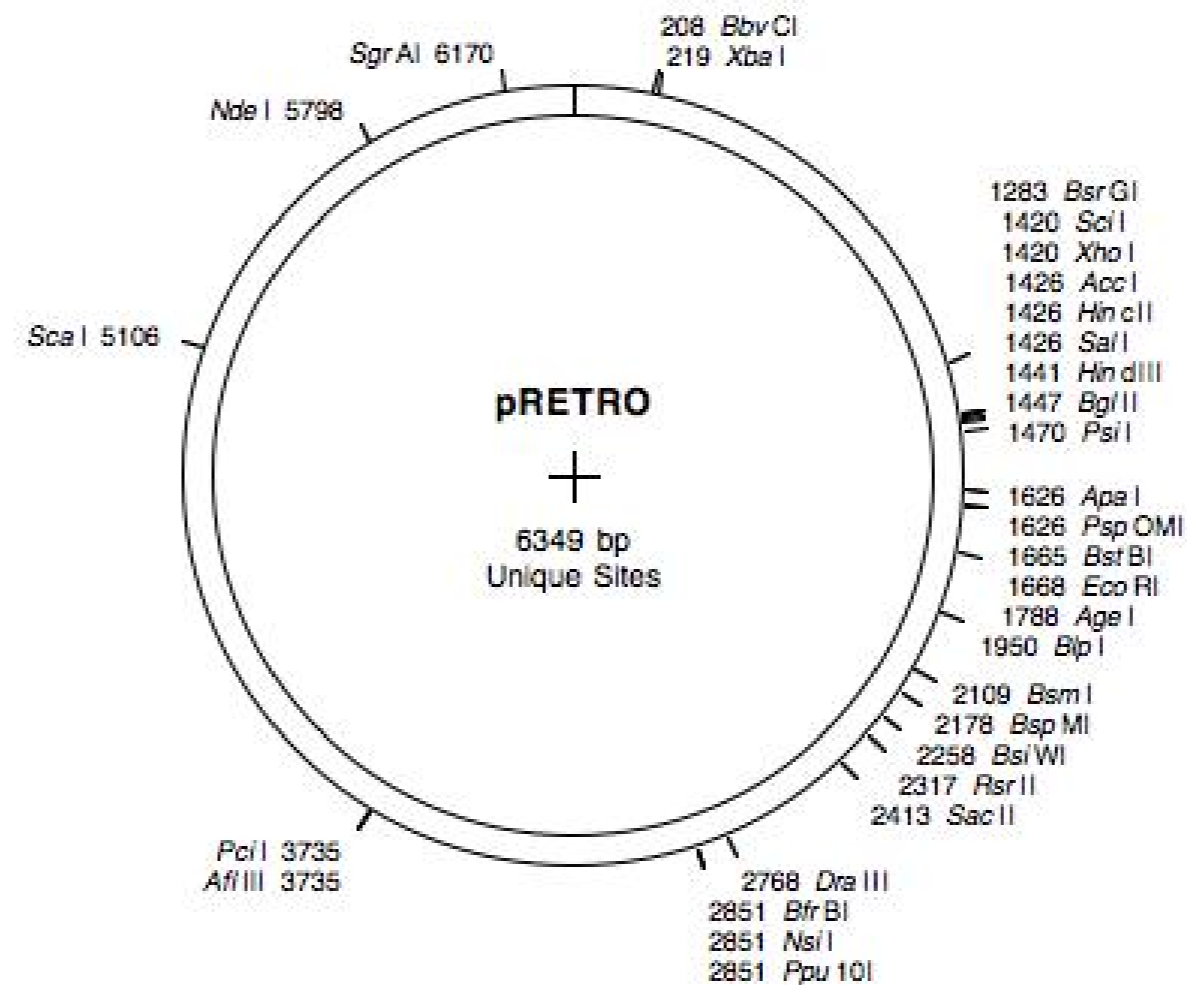
Please note that this is a different plasmid and targeting shRNA that sh2_hBre1A (2271)

Targets 600-620 of RNF20 CDS.

Reference

The siRNA sequence comes from supplementary data:

Pirngruber et al (2009) CDK9 directs H2B monoubiquitination and controls replication-dependent histone mRNA 3'-end



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.12.10

Constructed by Deo Prakash Pandey

Date constructed Sep 2010

PLASMID NAME

pSR.sh3_RNF20

bacterial marker Amp

vertebrate marker Puromycin

parent vector
pSuper-Retro

bacterial plasmid

other relevant source constructs

Inserts antisense oligo targeting CDS of human RNF20 (Bre1A) was cloned into pSR to be expressed as an shRNA. pSR was cut with BglIII and XhoI.

sh3_RNF20: TTCATACTCCTTGCGGACCTG

Reporter gene

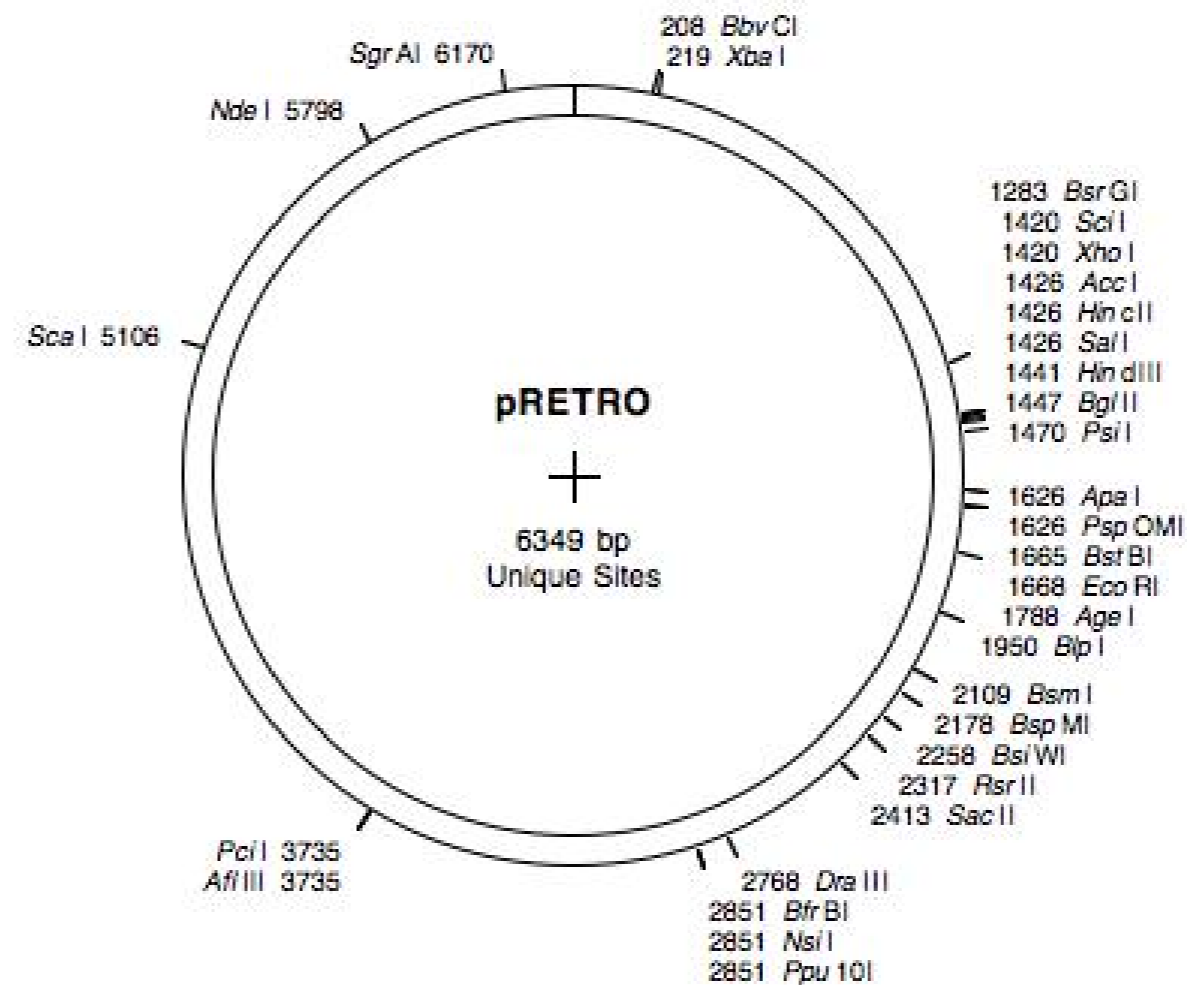
Promoter,
splice,
PolyA

Comments Please note that this is a different plasmid and targeting shRNA that sh3_hBre1A (2272)

Targets 1340..1360 of RNF20 CDS.

Reference The siRNA sequence comes from supplementary data:

Pirngruber et al (2009) CDK9 directs H2B monoubiquitination and controls replication-dependent histone mRNA 3'-end



DIDIER PICARD LAB, University of Geneva

Construct number 2372

Date entered 16.12.10

Constructed by Deo Prakash Pandey

Date constructed Sep 2010

PLASMID NAME

pSR.sh1_RNF40

bacterial marker Amp

vertebrate marker Puromycin

parent vector
pSuper-Retro

bacterial plasmid

other relevant source constructs

Inserts antisense oligo targeting CDS of human RNF40 (Bre1B) was cloned into pSR to be expressed as an shRNA. pSR was cut with BglIII and XhoI.

sh1_RNF40: TGACCTGTCACATCCATCTCT

Reporter gene

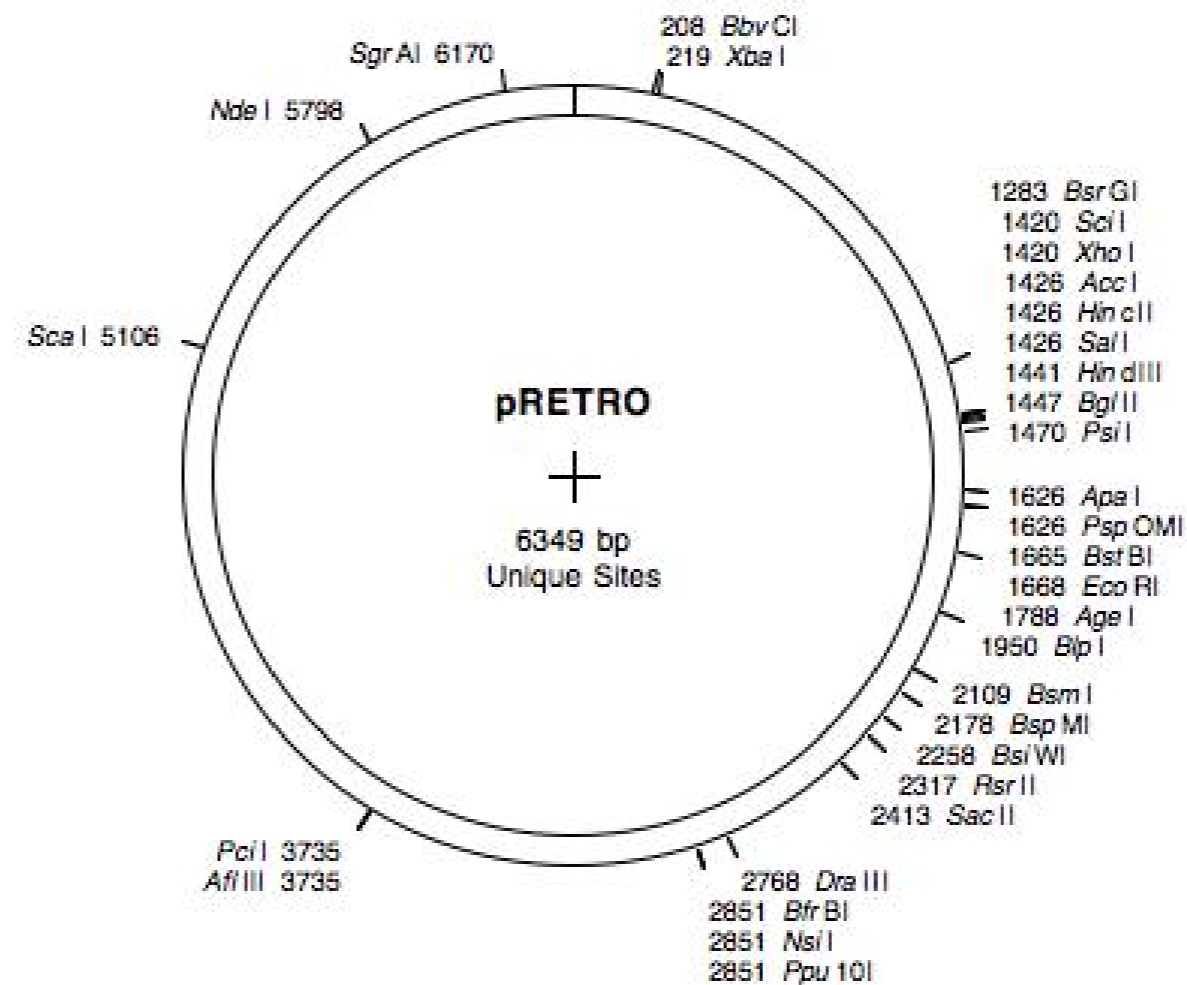
Promoter,
splice,
PolyA

Comments

Targets 2258..2278 of RNF40 CDS.

Reference The siRNA sequence comes from supplementary data:

Pirngruber et al (2009) CDK9 directs H2B monoubiquitination and controls replication-dependent histone mRNA 3'-end



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.12.10

Constructed by Deo Prakash Pandey

Date constructed Sep 2010

PLASMID NAME

pSR.sh2_RNF40

bacterial marker Amp

vertebrate marker Puromycin

parent vector
pSuper-Retro

bacterial plasmid

other relevant source constructs

Inserts antisense oligo targeting CDS of human RNF40 (Bre1B) was cloned into pSR to be expressed as an shRNA. pSR was cut with BglIII and XhoI.

sh2_RNF40: TCTGTTCCTGCATGTCCTCA

Reporter gene

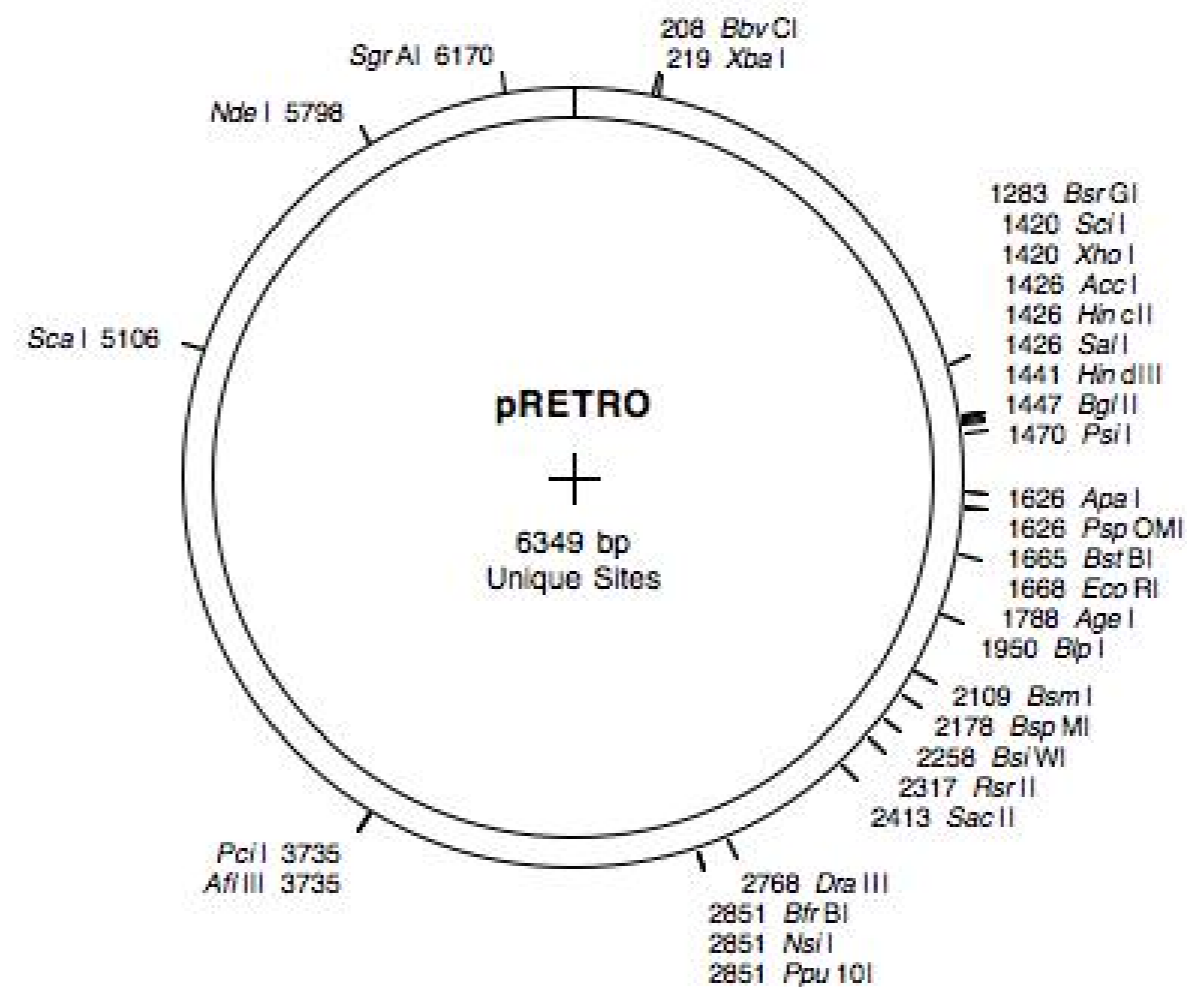
Promoter,
splice,
PolyA

Comments

Targets 2295..2315 of RNF40 CDS.

Reference The siRNA sequence comes from supplementary data:

Pirngruber et al (2009) CDK9 directs H2B monoubiquitination and controls replication-dependent histone mRNA 3'-end



DIDIER PICARD LAB, University of Geneva

Construct number

2374

Date entered

16.12.10

Constructed by

Deo Prakash Pandey

Date constructed

Sep 2010

PLASMID NAME

pSR.sh3_RNF40

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSuper-Retro

bacterial plasmid

other relevant source constructs

Inserts

antisense oligo targeting CDS of human RNF40 (Bre1B) was cloned into pSR to be expressed as an shRNA. pSR was cut with BglIII and XhoI.

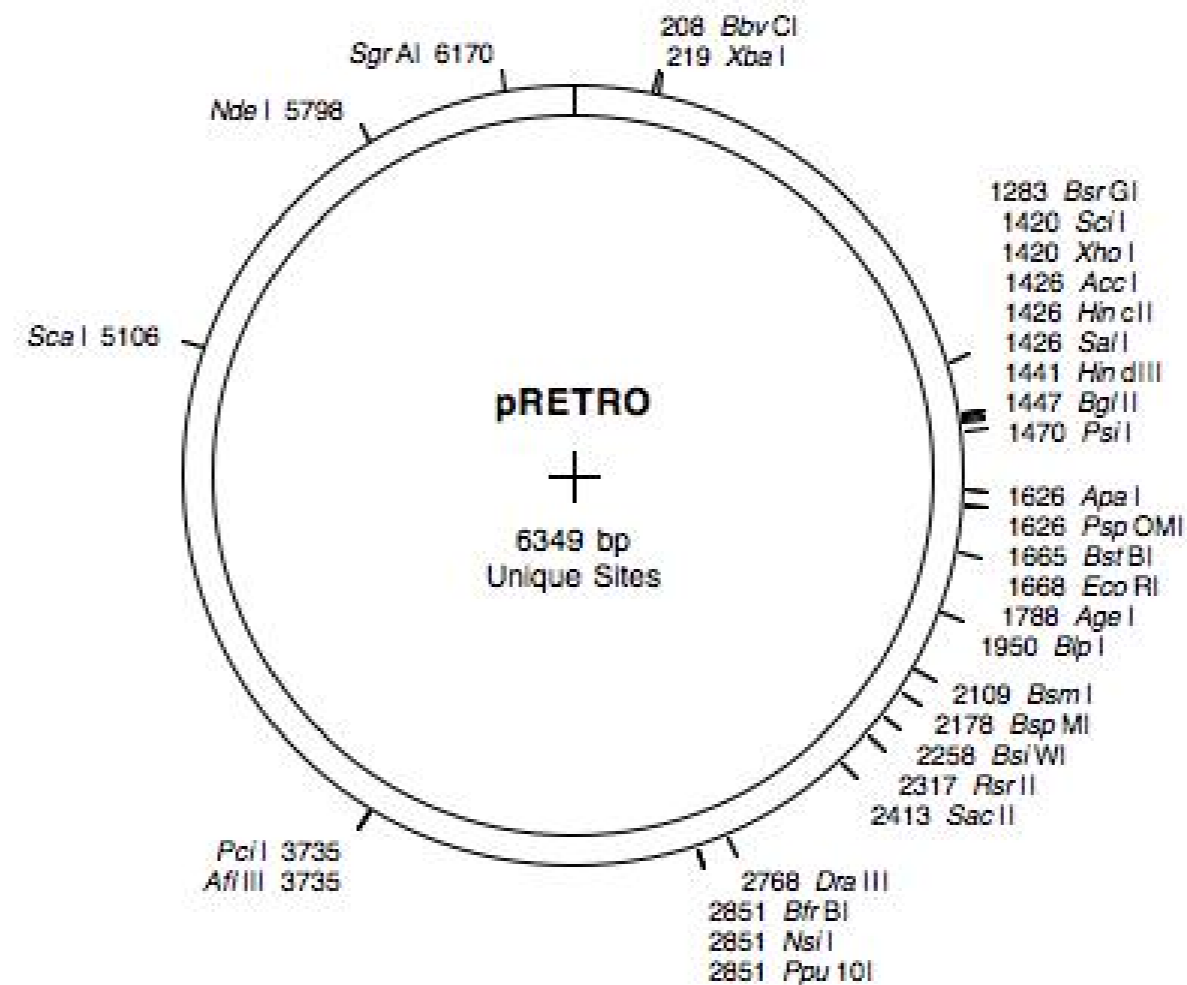
sh3_RNF40: TGTTCTTGAAGTGTAGTACCT

THIS WORKS!!!

Also note that this is retro plasmid and not lenti, thus use pCMV-GagPol and pMD2G to make viruses and not psPax2.

Reporter gene

Promoter,
splice,
PolyA



Comments

Targets 149..169 of RNF40 CDS.

Reference

The siRNA sequence comes from supplementary data:

Pirngruber et al (2009) CDK9 directs H2B monoubiquitination and controls replication-dependent histone mRNA 3'-end

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 25.12.10

Constructed by Deo & Marcela

Date constructed Sep 2010

PLASMID NAME

pSR.si7_Auf1

bacterial marker Amp

vertebrate marker Puromycin

parent vector
pSuper-Retro

bacterial plasmid

other relevant source constructs

Inserts antisense oligo targeting CDS of human Auf1 was cloned into pSR to be expressed as an shRNA. pSR was cut with BglII and XhoI.

s17_Auf1 CACAATGTTGGTCTTAGTAAA

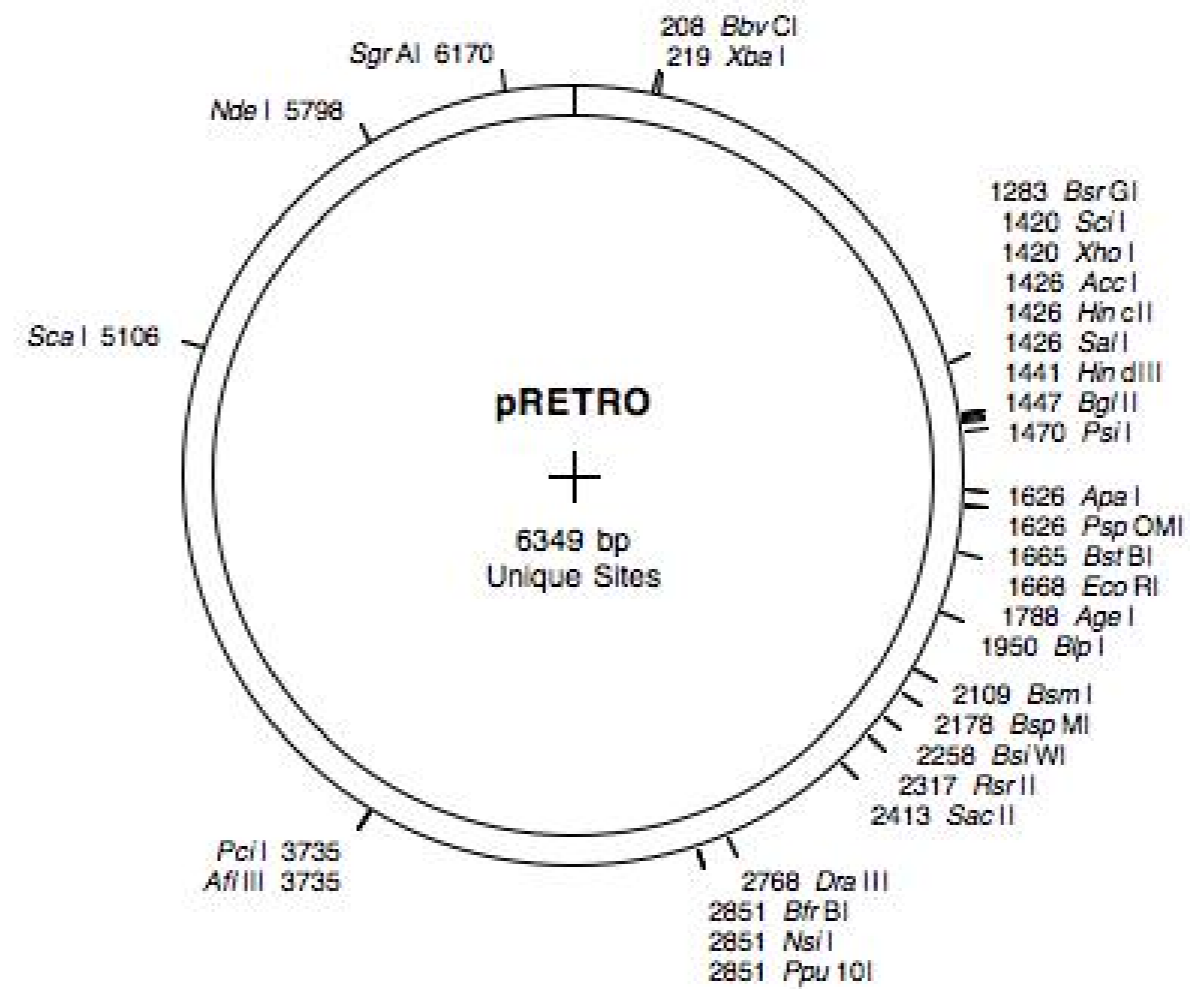
Reporter gene

Promoter,
splice,
PolyA

Comments The sequence comes from qiagen validated siRNAs.

TO BE MADE!

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2376

Date entered

25.12.10

Constructed by

Deo & Pierre

Date constructed

Sep 2010

PLASMID NAME

pSR.si7_XPO5

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSuper-Retro

bacterial plasmid

other relevant source constructs

Inserts

antisense oligo targeting CDS of human XPO5 was cloned into pSR to be expressed as an shRNA. pSR was cut with BglII and XhoI.

si7_XPO5 [CTGTCTCGAATTGTAGTGGA](#)

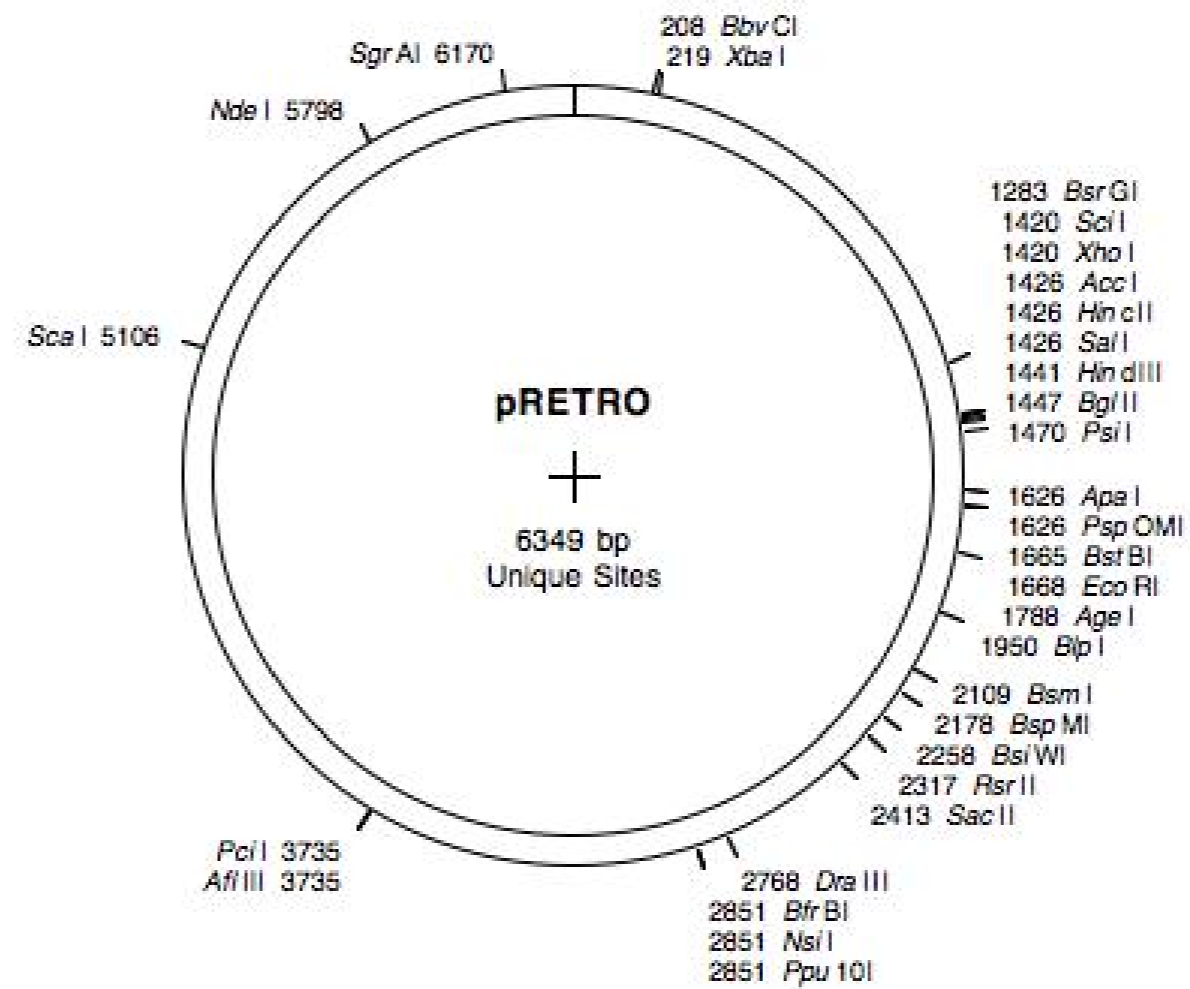
Reporter gene

Promoter,
splice,
PolyA

Comments The sequence comes from qiagen validated siRNAs.

TO BE MADE!

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2377

Date entered

25.12.10

Constructed by

Deo & Anne-Sophie

Date constructed

Sep 2010

PLASMID NAME

pSR.si8_XPO5

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSuper-Retro

bacterial plasmid

other relevant source constructs

Inserts

antisense oligo targeting CDS of human XPO5 was cloned into pSR to be expressed as an shRNA. pSR was cut with BglII and XhoI.

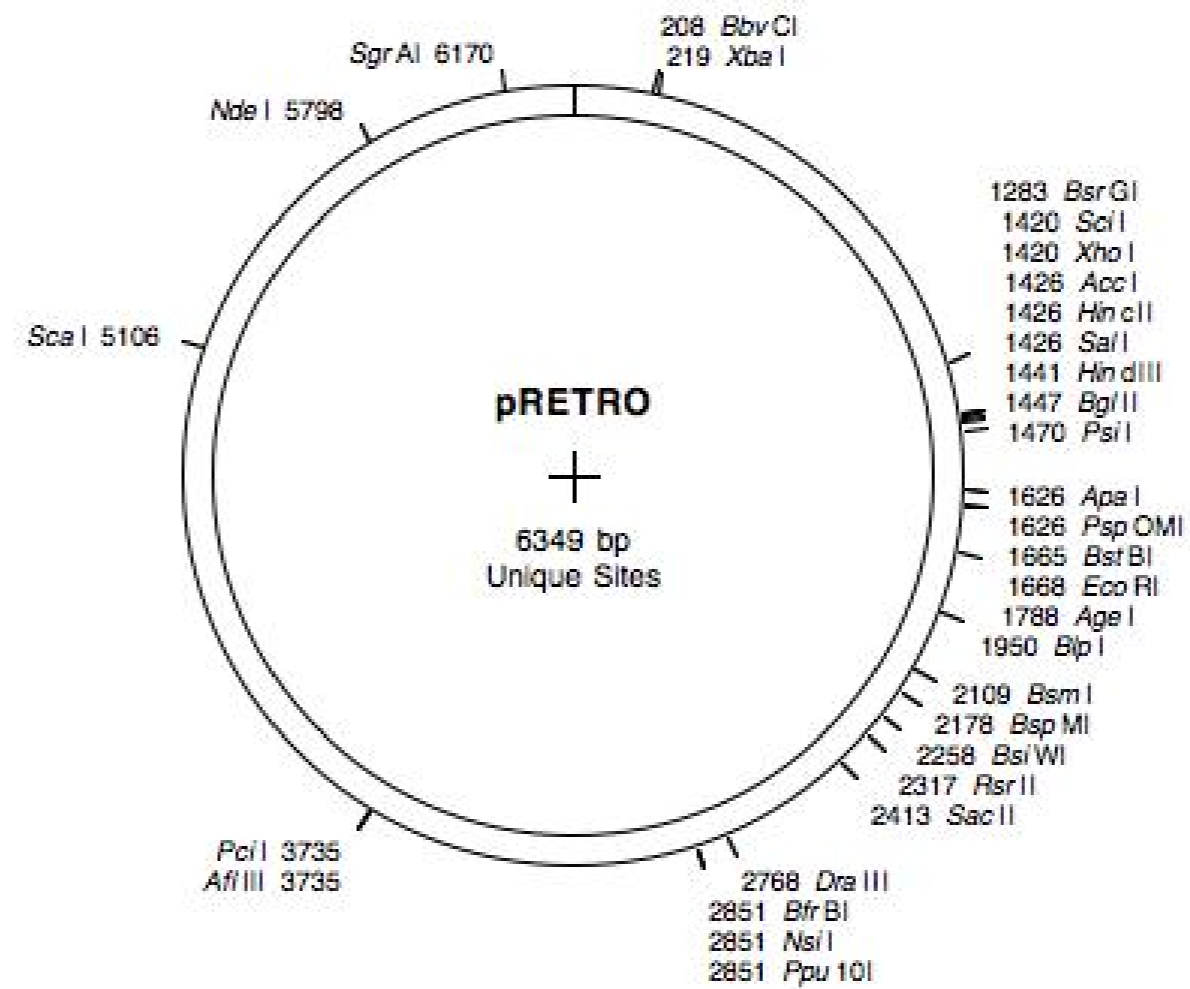
si8_XPO5 [CCAGATGTTTCGAACACTAAA](#)

Reporter gene

Promoter,
splice,
PolyA

Comments The sequence comes from qiagen validated siRNAs.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 25.12.10

Constructed by Deo & Anne-Sophie

Date constructed Sep 2010

PLASMID NAME

pSR.si8_XPO5

bacterial marker Amp

vertebrate marker Puromycin

parent vector
pSuper-Retro

bacterial plasmid

other relevant source constructs

Inserts antisense oligo targeting CDS of human XPO5 was cloned into pSR to be expressed as an shRNA. pSR was cut with BglII and XhoI.

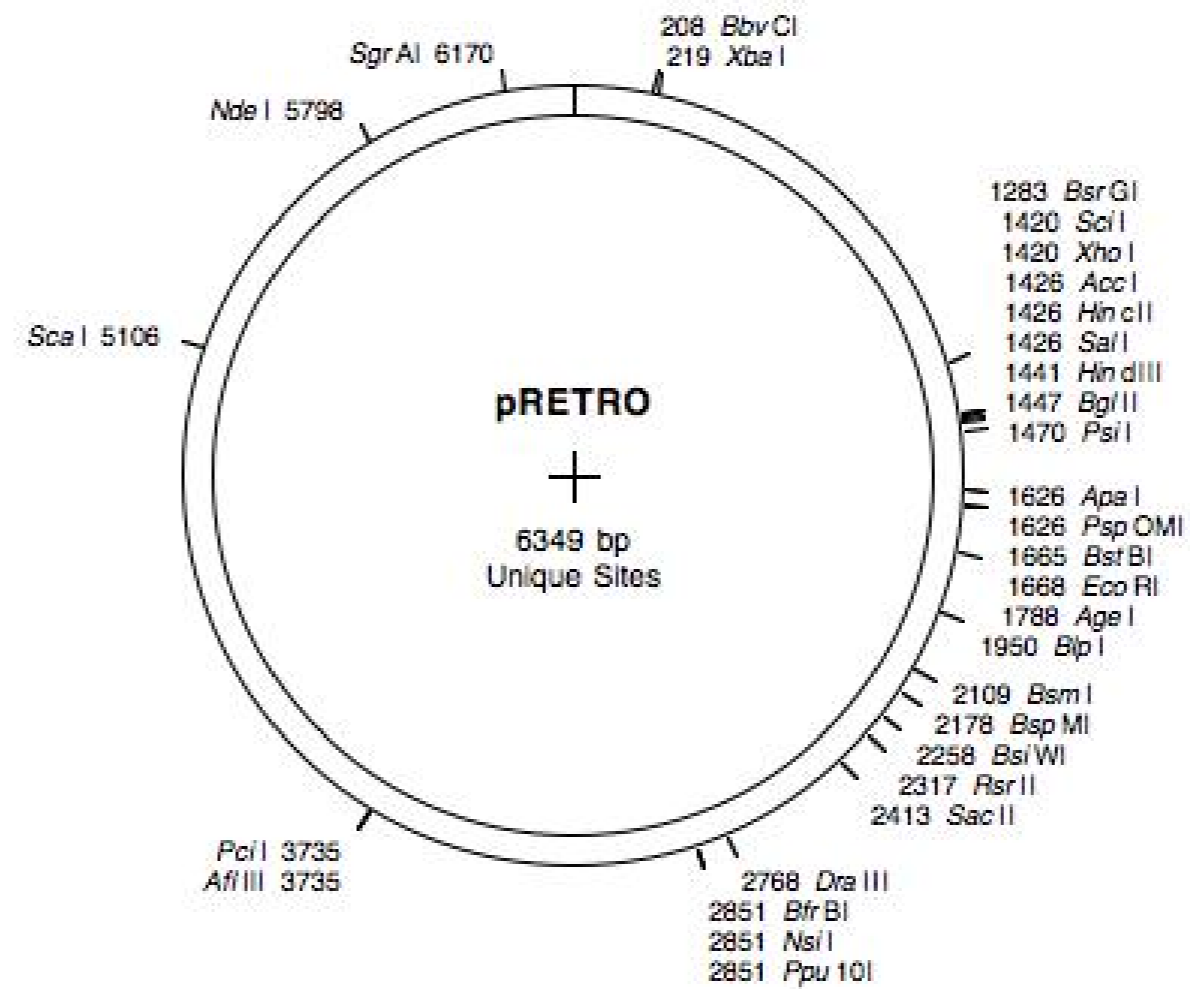
si8_XPO5 CCAGATGTTTCGAACACTAAA

Reporter gene

Promoter,
splice,
PolyA

Comments The sequence comes from qiagen validated siRNAs.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 25.12.10

Constructed by Deo & Pierre

Date constructed Sep 2010

PLASMID NAME

pSR.si5_VPS11

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSuper-Retro

bacterial plasmid

other relevant source constructs

Inserts antisense oligo targeting CDS of human VPS11 was cloned into pSR to be expressed as an shRNA. pSR was cut with BglII and XhoI.

si5_VPS11 AAGGGACTTTGTACTGATTAT

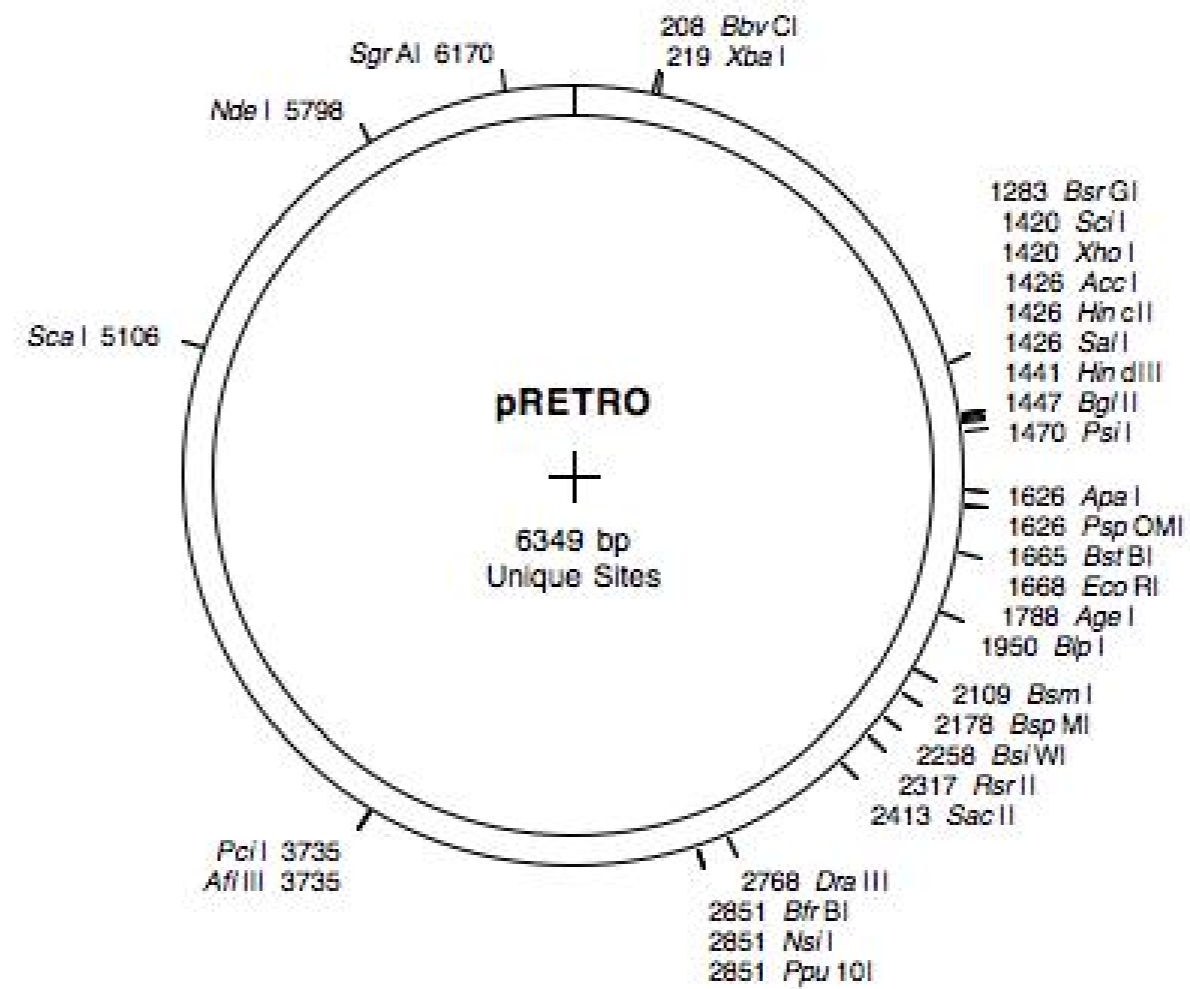
Reporter gene

Promoter,
splice,
PolyA

Comments The sequence comes from qiagen validated siRNAs.

TO BE MADE (by Pierre)!

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 25.12.10

Constructed by Deo & Anne-Sophie

Date constructed Sep 2010

PLASMID NAME

pSR.si6_VPS11

bacterial marker Amp

vertebrate marker Puromycin

parent vector
pSuper-Retro

bacterial plasmid

other relevant source constructs

Inserts antisense oligo targeting CDS of human VPS11 was cloned into pSR to be expressed as an shRNA. pSR was cut with BglII and XhoI.

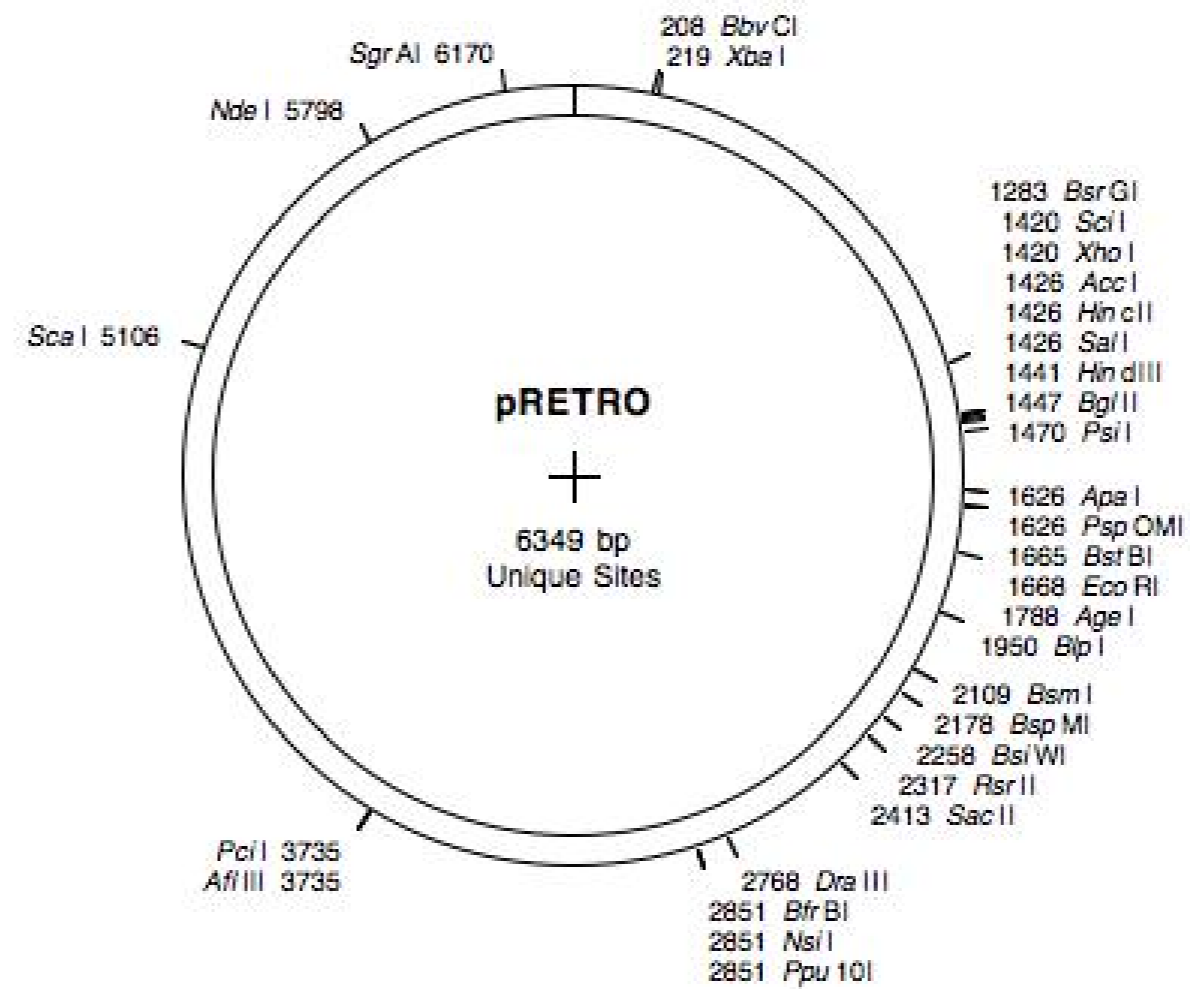
si6_VPS11 [CAGCAATATATCCGAACCATT](#)

Reporter gene

Promoter,
splice,
PolyA

Comments The sequence comes from qiagen validated siRNAs.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2381

Date entered

25.12.10

Constructed by

Deo Prakash Pandey

Date constructed

Dec 08

PLASMID NAME

UASattB/pActin-GalER

bacterial marker Amp

yeast marker

eucaryotic replicon

parent vector

pUASattB (from Karch lab)

bacterial plasmid

other relevant source constructs

Gal93.ER (1158)

Inserts

Gal93.ER(HBD) was amplified from plasmid 1158 and inserted in front of actin promoter sequence from fruit flies in pUASattB series of vector from F. Karch lab. The purpose is to integrate pActin-GalER locus in fly genome.

Reporter gene

Promoter,
splice,
PolyA Actin promoter (constitutive)

Comments

Reference

Construct number 2383

Date entered 4.1.11

Constructed by Dan Gottschling's lab

Date constructed

PLASMID NAME

pDL20/Cre-EBD78

bacterial marker Amp	parent vector pDL01
yeast marker NatMX	bacterial plasmid BS
eukaryotic replicon CEN/ARS	other relevant source constructs

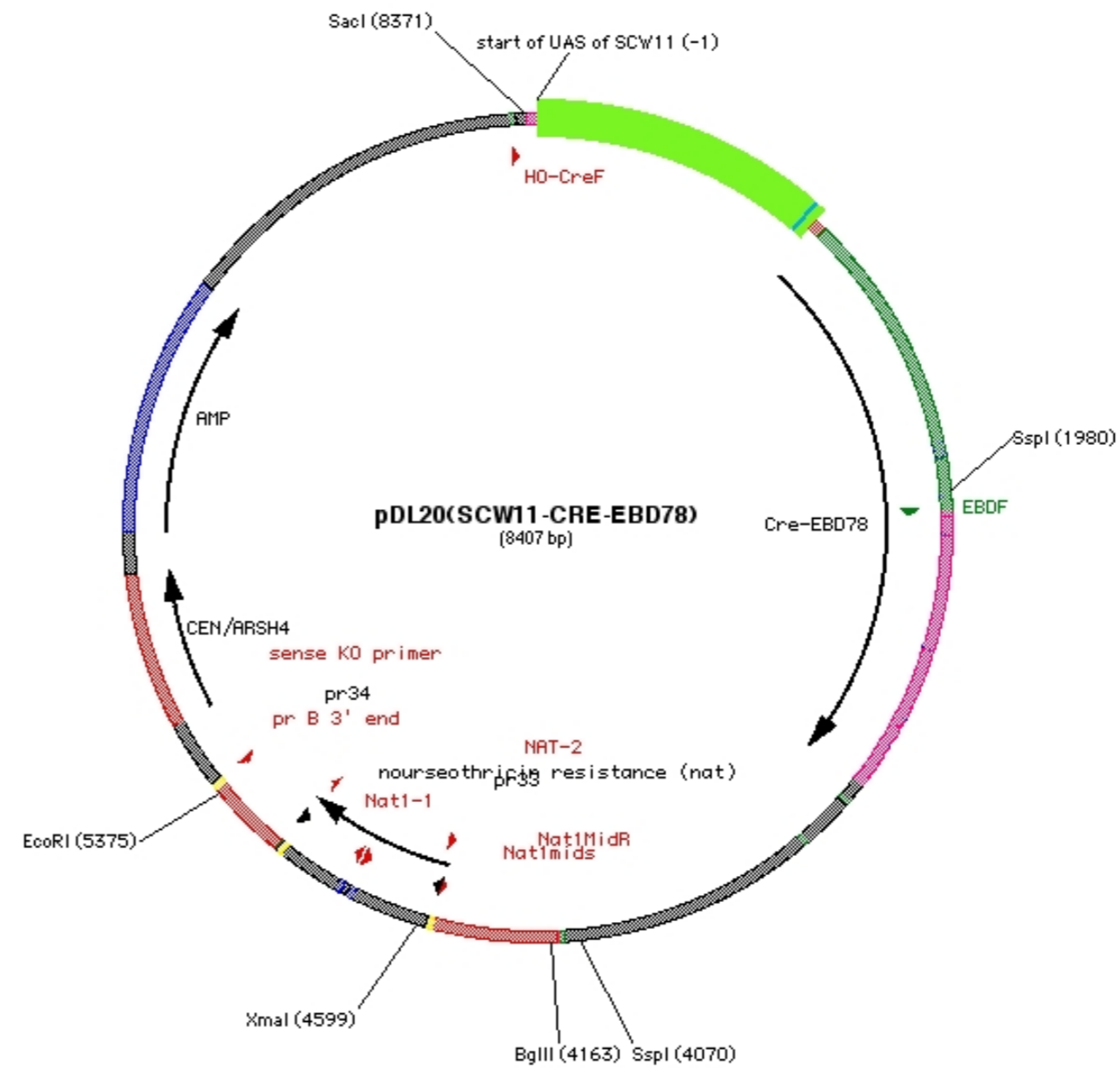
Inserts Cre fused to the hormone binding domain (amino acids 282-595) of the human estrogen receptor α . Cre and the ER HBD are linked by a Leu-Glu-Pro linker. After in vivo selection, the Cre and ER sequences contain 4 missense mutations each.

Reporter gene

Promoter, splice, PolyA SCW11 promoter, CYC1 terminator

Comments - Vector is based on the original GAL-Cre vector pSH62. The GAL promoter has been replaced with that of SCW11, HIS3 with the NatMX cassette, and the ER α HBD has been fused to Cre.
 - ER α HBD is probably wt, i.e. G400, but this is difficult to trace back.

Reference Lindstrom and Gottschling (2009) Genetics 183, 413



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 11.2.11

Constructed by Diana Wider

Date constructed Feb. 2011

PLASMID NAME

pLCA/CreEBD78

bacterial marker Amp	parent vector pLCA/Cre-ER
yeast marker LEU2	bacterial plasmid BLUESCRIPT
eucaryotic replicon CEN/ARS	other relevant source constructs pDL20/Cre-EBD78

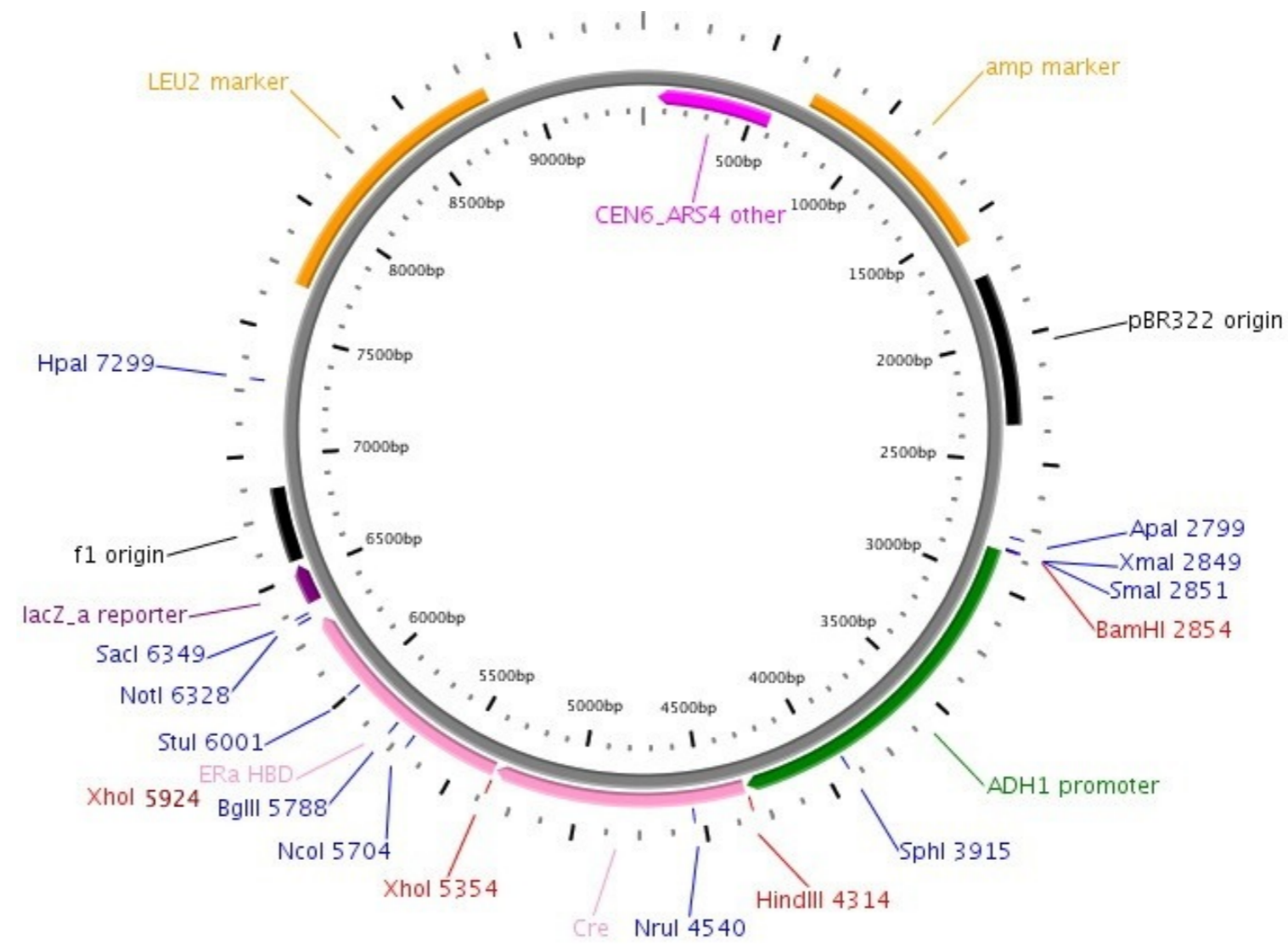
Inserts Cre recombinase fused to the wild-type (G400) hormone binding domain of human estrogen receptor α (AA 282-595).
Cre and the ER HBD are linked by a Leu-Glu-Pro linker. The Cre and ER sequences contain 4 missense mutations each.

Reporter gene

Promoter, splice, PolyA - ADH1 promoter (constitutive)

Comments - sequence available

Reference



Construct number 2385

Date entered 2.3.11

Constructed by Marcela

Date constructed Feb/2011

PLASMID NAME

pCMV.hGR

bacterial marker Amp

parent vector pCMV5

bacterial plasmid

other relevant source constructs

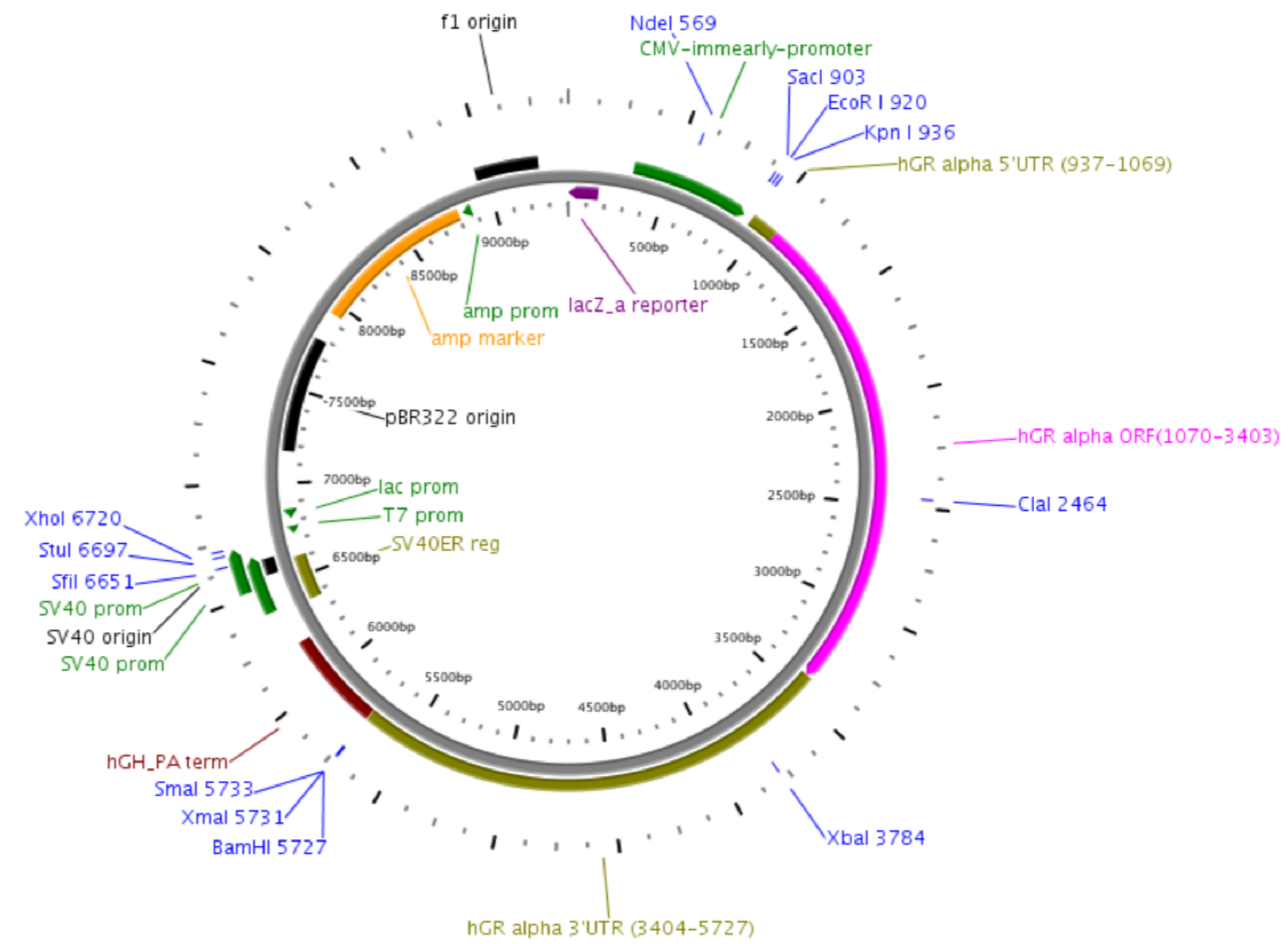
Inserts Human Glucocorticoid Receptor α (hGR α) : 133 bp of 5'UTR+ hGR α coding region + full-length 3'UTR . This insert was cloned between KpnI and BamH I sites.

Reporter gene

Promoter, splice, PolyA CMV promoter

Comments sequence available

Reference Oakley, R. H., Sar, M., and Cidlowski, J. A. (1996). The human glucocorticoid receptor beta isoform. Expression, biochemical properties, and putative function. *J. Biol. Chem.* 271, 9550-9559



DIDIER PICARD LAB, University of Geneva

Construct number 2386
Constructed by Diana Wider

Date entered 19.4.11
Date constructed March 2011

PLASMID NAME

pLCA_S/CreEBD78

bacterial marker Amp	parent vector pRS315
yeast marker LEU2	bacterial plasmid BLUESCRIPT
eucaryotic replicon CEN/ARS	other relevant source constructs pDL20/Cre-EBD78

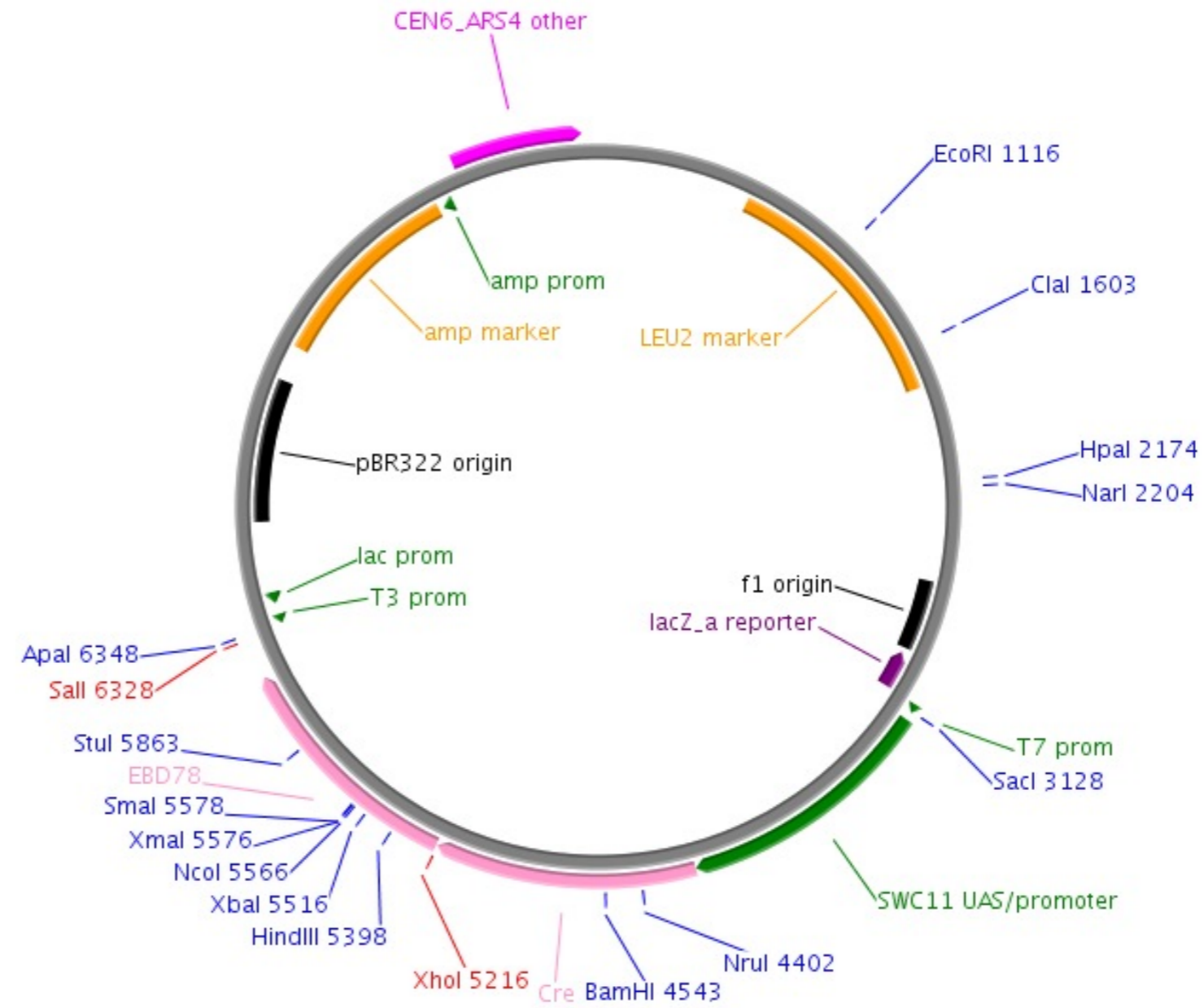
Inserts Cre recombinase fused to the wild-type (G400) hormone binding domain of human estrogen receptor α (AA 282-595).
 Cre and the ER HBD are linked by a Leu-Glu-Pro linker. The Cre and ER sequences contain 4 missense mutations each.

Reporter gene

Promoter, splice, PolyA
 - SCW11 UAS and promoter
 - promoter and 5'UTR context are exactly that of pDL20/Cre-EBD78

Comments - sequence available
 - note that XhoI site at nt 2409 does not exist.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 19.4.11

Constructed by Diana Wider

Date constructed early 2011

PLASMID NAME

pHGF/GIHsp90NM

bacterial marker Amp	parent vector pHG-Flag
yeast marker HIS3	bacterial plasmid Bluescript
eucaryotic replicon CEN/ARS	other relevant source constructs

Inserts

- Flag-tagged N and M domains of Giardia intestinalis Hsp90.
- should encode a protein of 385 amino acids.
- contains about 700 bp "intronic" or flanking sequence past the predicted 5' splice site.

Reporter gene

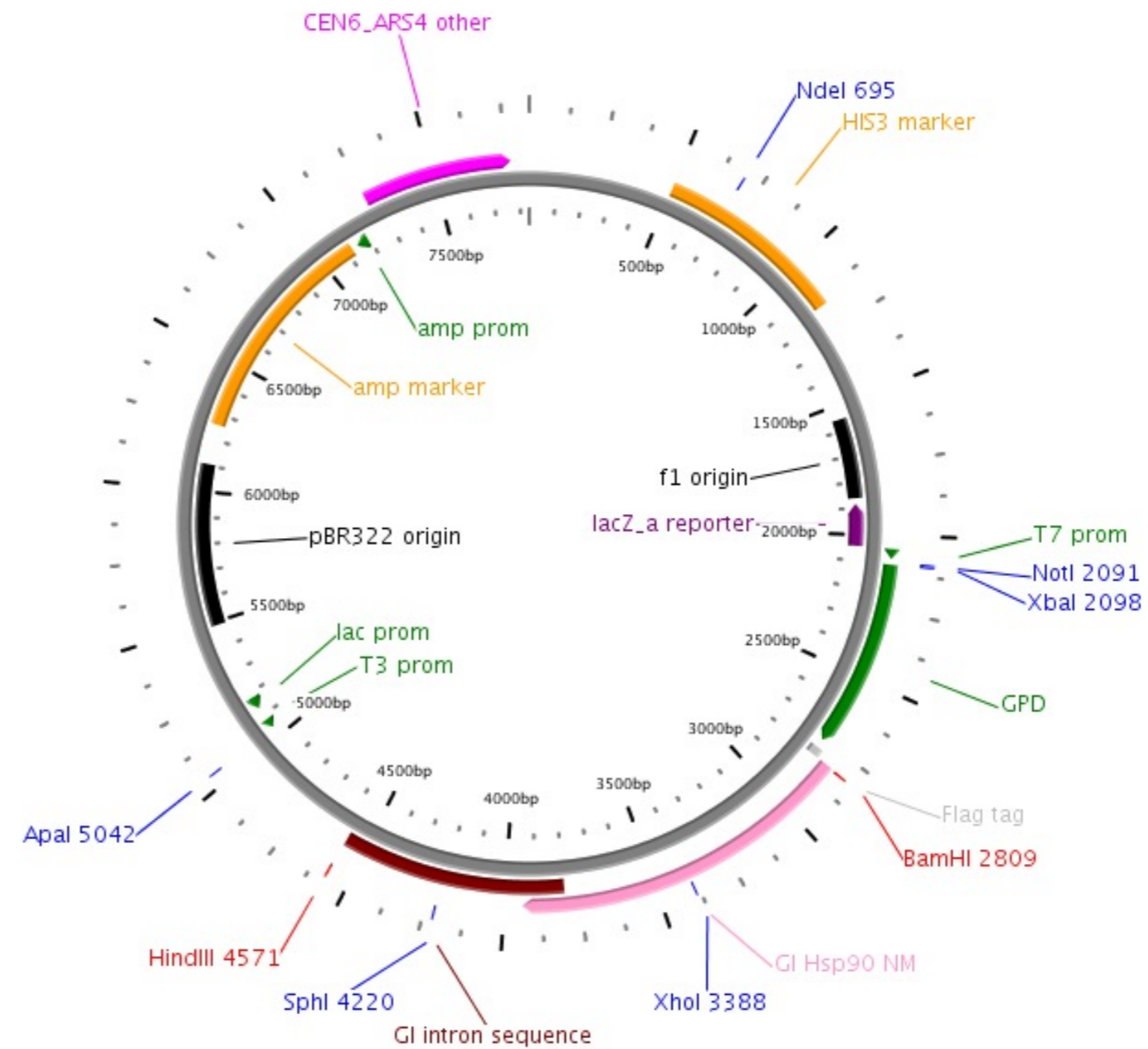
Promoter, splice, PolyA

- GPD promoter
- PGK terminator

Comments

- Giardia sequence obtained by PCR from genomic DNA
- complete sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number
Constructed by Diana Wider

Date entered 19.4.11
Date constructed 03.2011

PLASMID NAME

CKF/GIHsp90NM

<u>bacterial marker</u> Kan	<u>parent vector</u> CKF
<u>vertebrate marker</u> Neo (G418)	<u>bacterial plasmid</u> Bluescript
<u>eucaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u> pHGF/GIHsp90NM

Inserts

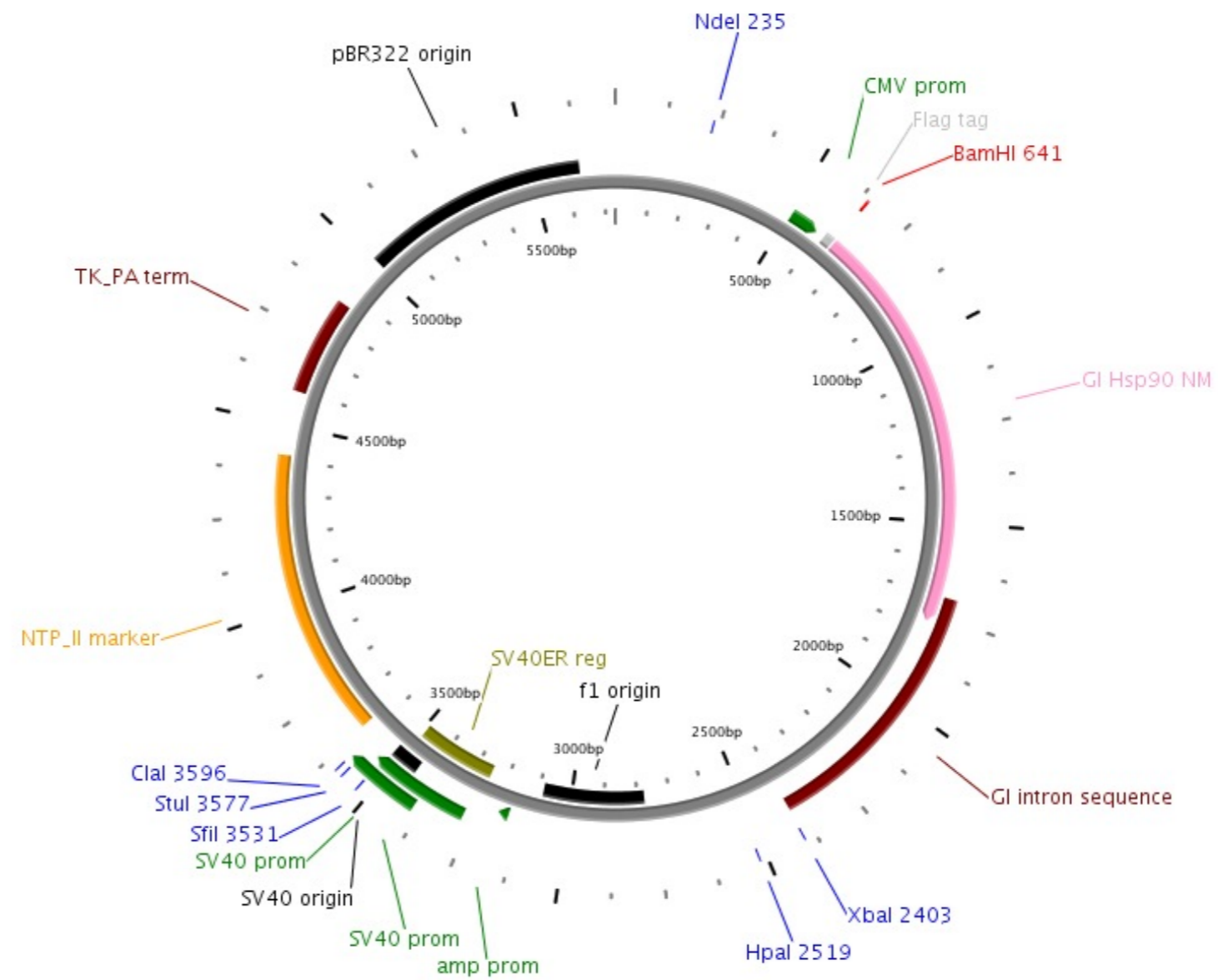
- Flag-tagged N and M domains of Giardia intestinalis Hsp90.
- should encode a protein of 385 amino acids.
- contains about 700 bp "intronic" or flanking sequence past the predicted 5' splice site.

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - SV40 polyA
PolyA

Comments - complete sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 19.4.11

Constructed by Diana Wider

Date constructed early 2011

PLASMID NAME

pLG/GIHsp90MC

bacterial marker Amp	parent vector pRS315/GPD-PGK
yeast marker LEU2	bacterial plasmid Bluescript
eucaryotic replicon CEN/ARS	other relevant source constructs PCR subclones

Inserts

- M and C domains of Giardia intestinalis Hsp90.
- contains about 400 bp "intronic" or flanking sequence upstream of the predicted 3' splice site.

Reporter gene

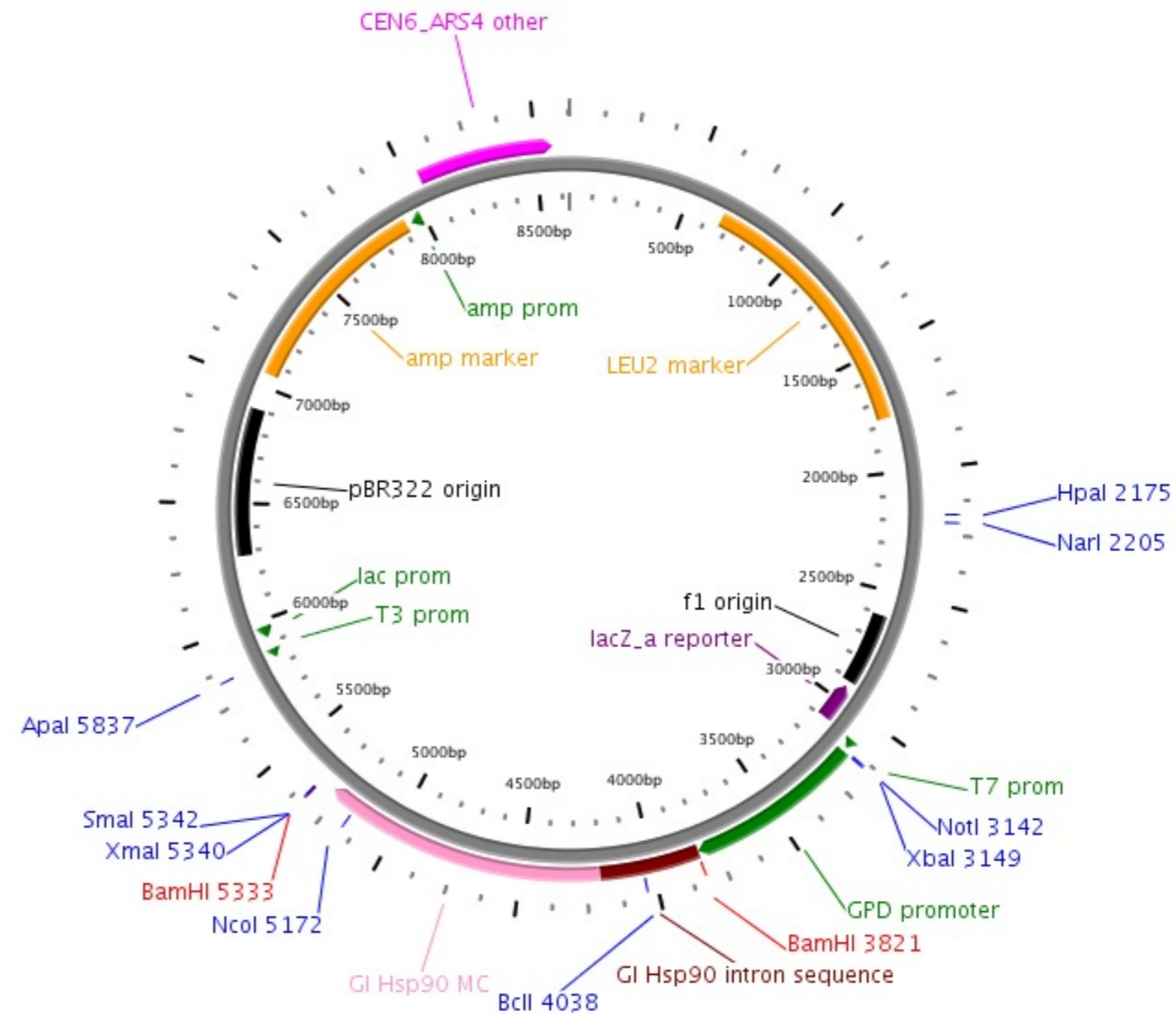
Promoter, splice, PolyA

- GPD promoter
- PGK terminator

Comments

- Giardia sequence originally obtained by PCR from genomic DNA
- vector may express RNA, but probably not protein from insert!
- complete sequence available

Reference



Construct number 2390

Date entered 19.4.11

Constructed by Ian G. Macara

Date constructed 2002

PLASMID NAME

pKmyc-Exp5

alternative name

EXP5

bacterial marker Amp

parent vector

pKmyc

bacterial plasmid

other relevant source constructs

pRK7

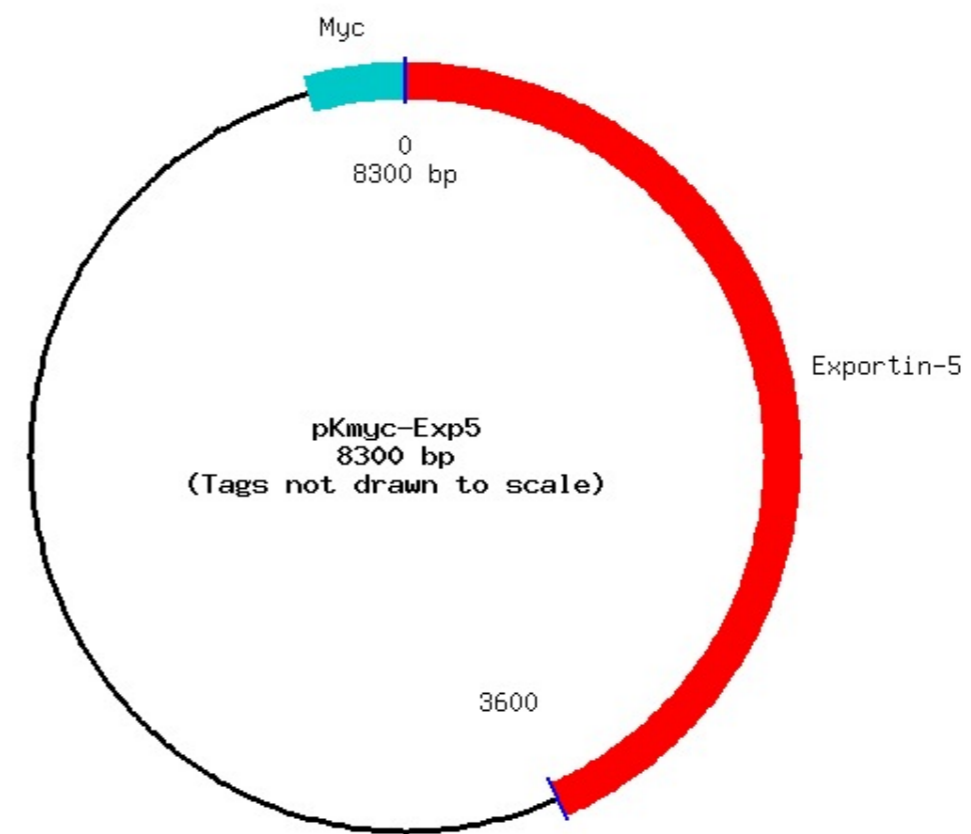
Inserts Exportin-5 cDNA

Reporter gene

Promoter, splice, PolyA CMV promoter
SV40 polyA terminator

Comments cloning sites 5' and 3': BamH1
high copy plasmid

Reference Amy M. Brownawell and Ian G. Macara, *The Journal of Cell Biology* (2002)
<http://www.addgene.org/pgvec1?f=c&identifier=12552&cmd=findpl> (pKmyc-Exp5)
<http://www.addgene.org/pgvec1?f=c&cmd=findpl&identifier=19400> (parent vector)



Construct number

2393

Date entered

26.4.11

Constructed by

Didier Trono's lab

Date constructed

PLASMID NAME

pRRL-hPGK-CRE

alternative name

pRRLsincPPT-hPGK-CRE-WPRE

bacterial marker

Amp

parent vector

pRRL

bacterial plasmid

other relevant source constructs

Inserts

NLS-CRE

Reporter gene

Promoter,
splice,
PolyA

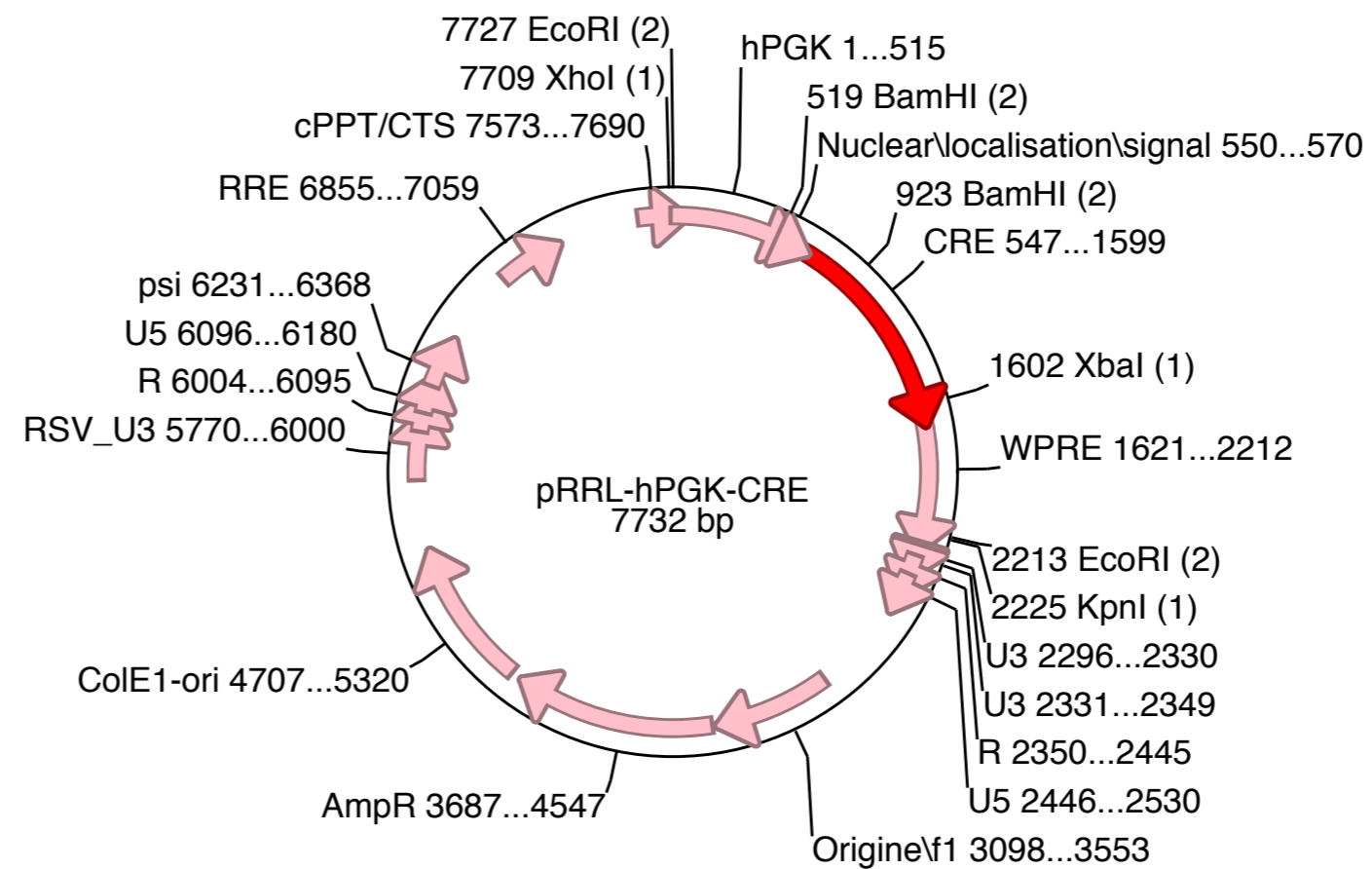
human PGK promoter

Comments

- sequence available

- lentiviral vector

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 2394
Constructed by Diana Wider

Date entered 28.4.11
Date constructed April 2011

PLASMID NAME

pSG/GIHsp90MC

<u>bacterial marker</u> Amp	<u>parent vector</u> pSG5
<u>eucaryotic replicon</u> SV40 ori	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u> pLG/GIHsp90MC

Inserts

- M and C domains of Giardia intestinalis Hsp90.
- contains about 400 bp "intronic" or flanking sequence upstream of the predicted 3' splice site.

Reporter gene

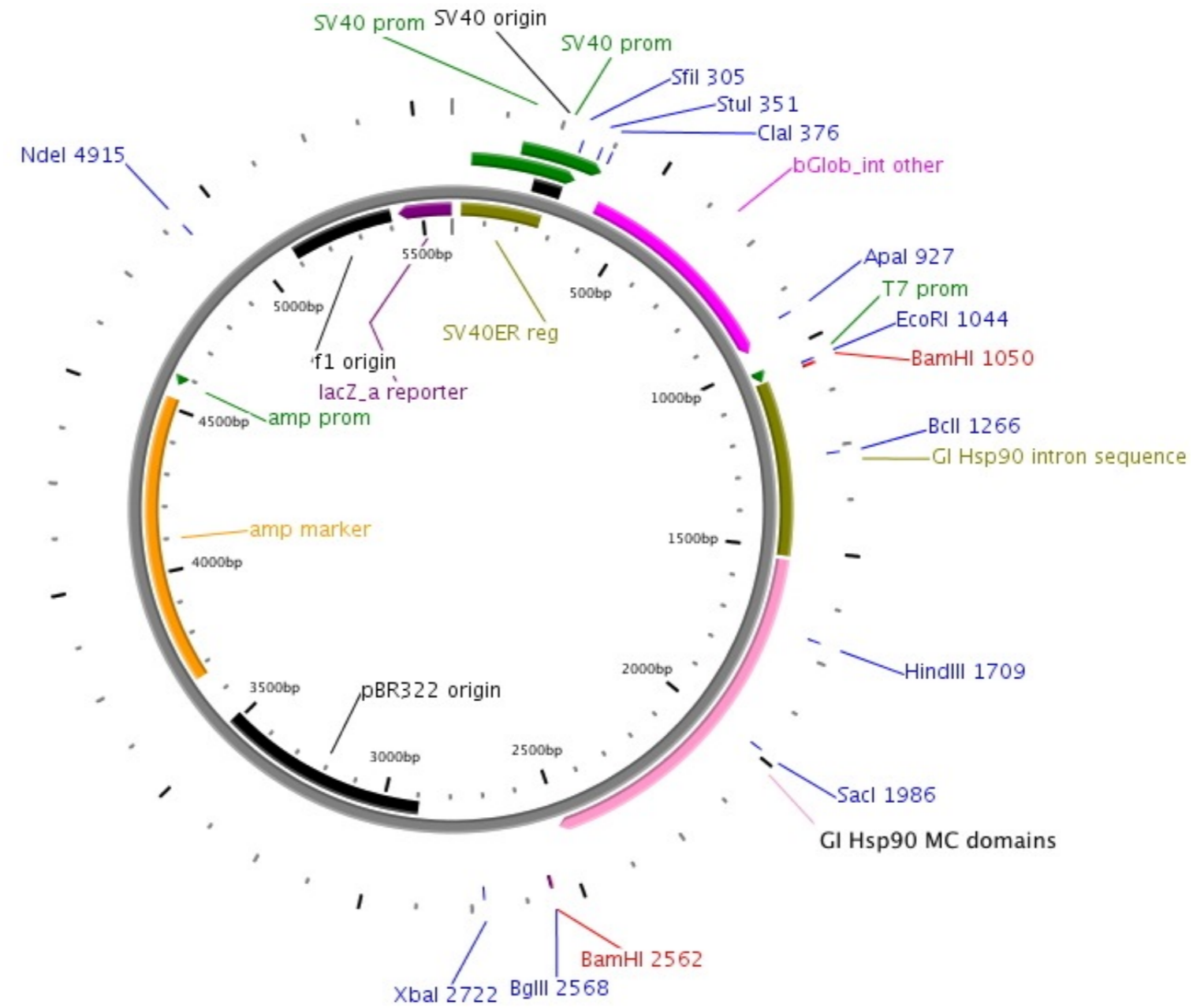
Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

- vector may express RNA, but probably not protein from insert!
- complete sequence available

Reference



Construct number

2395

Date entered

24.5.11

Constructed by

Date constructed

PLASMID NAME

pSG5-HA-SRC1

bacterial marker Amp

eukaryotic replicon SV40 ori

parent vector

pSG5-HA

bacterial plasmid

Bluescribe M13+

other relevant source constructs

Inserts N-terminally HA-tagged human SRC1

Reporter gene

Promoter,
splice,
PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β -globin IVS2.
- SV40 polyA site.

Comments

- corresponds to SRC1a
- contains SRC1 nucleotides -18 to 4348
- plasmid received from Anne Guiochon-Mantel

Reference Chauchereau et al. (2000) JBC 275, 8540

Construct number 2396

Date entered 30.5.11

Constructed by

Date constructed

PLASMID NAME

pMN159

bacterial marker Kan

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

pEGFP-C1

bacterial plasmid

pUC

other relevant source constructs

Inserts N-terminal half (aa 1-159) of mCherry preceded by a MCS

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - EGFP portion has been deleted
- sequence available

Reference Fan et al. (2008) BBRC 367, 47



Construct number

2397

Date entered

30.5.11

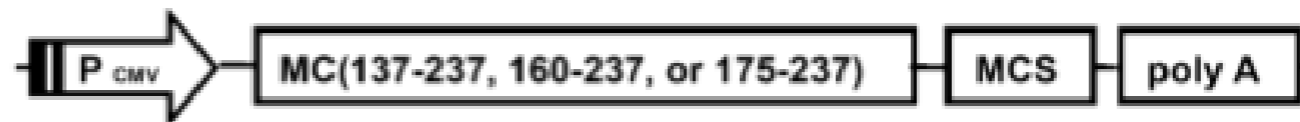
Constructed by

Date constructed

PLASMID NAME

pMC160

MC



bacterial marker Kan

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

pEGFP-C1

bacterial plasmid

pUC

other relevant source constructs

Inserts C-terminal half (aa 160-237) of mCherry followed by a MCS

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - EGFP portion has been deleted
- sequence available

Reference Fan et al. (2008) BBRC 367, 47

DIDIER PICARD LAB, University of Geneva

Construct number 2398

Date entered 6.6.11

Constructed by Lilia Bernasconi

Date constructed March 2011

PLASMID NAME

pGST/Bre1A_N ter

bacterial marker Amp

parent vector

pGEX-6P-1

bacterial plasmid

high

other relevant source constructs

3x-FLAG-hBre1A

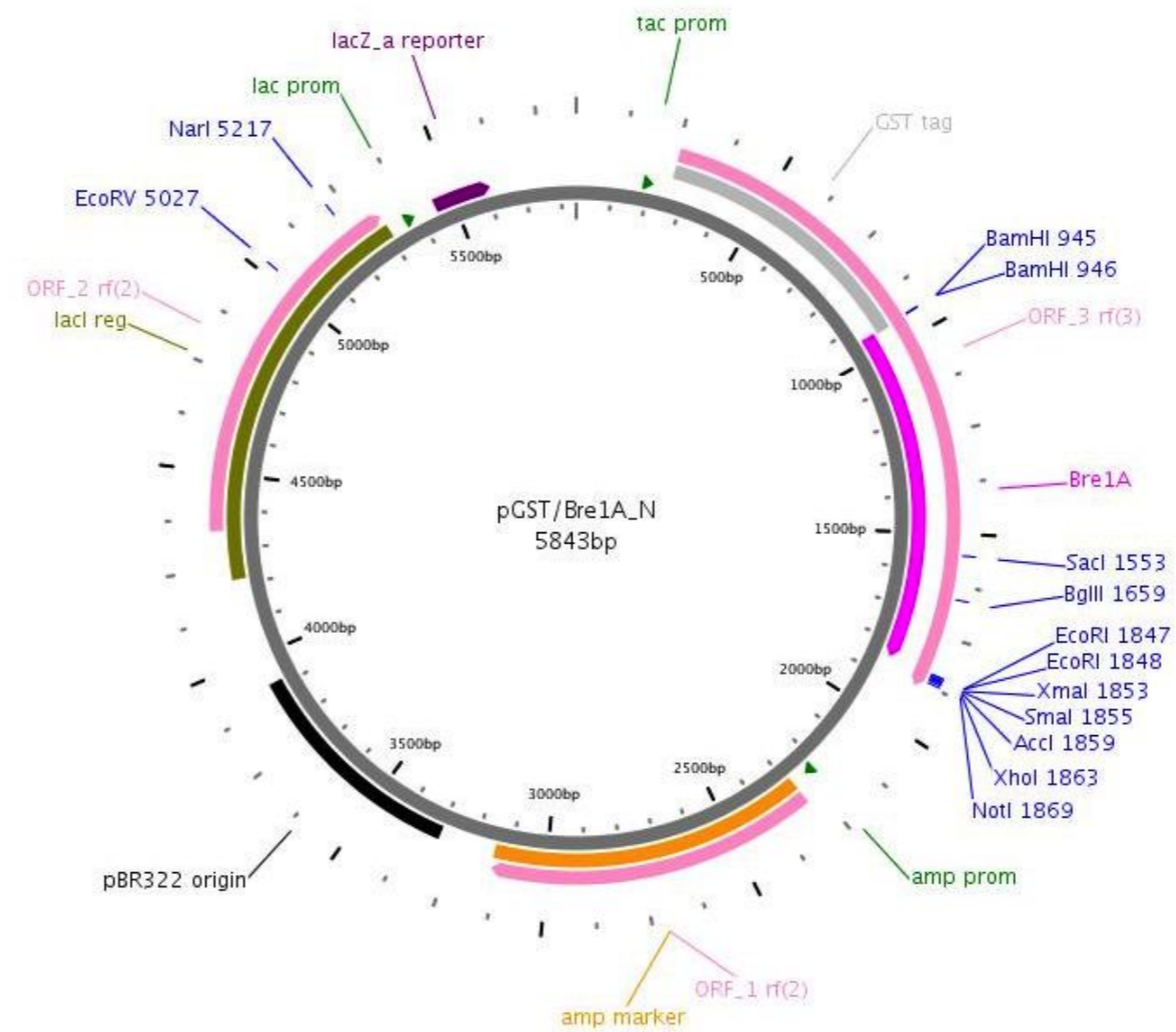
Inserts AA 1-300 of the N-terminal portion of human Bre1A fused to GST.

Reporter gene

Promoter, splice, PolyA tac promoter and internal lac gene

Comments GST tag can be removed by PreScission Protease. Sequence is available.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.6.11

Constructed by Lilia Bernasconi

Date constructed March 2011

PLASMID NAME

pGST/Bre1A_C

bacterial marker Amp

parent vector

pGEX-6P-1

bacterial plasmid

high copy

other relevant source constructs

3xFLAG-hBre1A

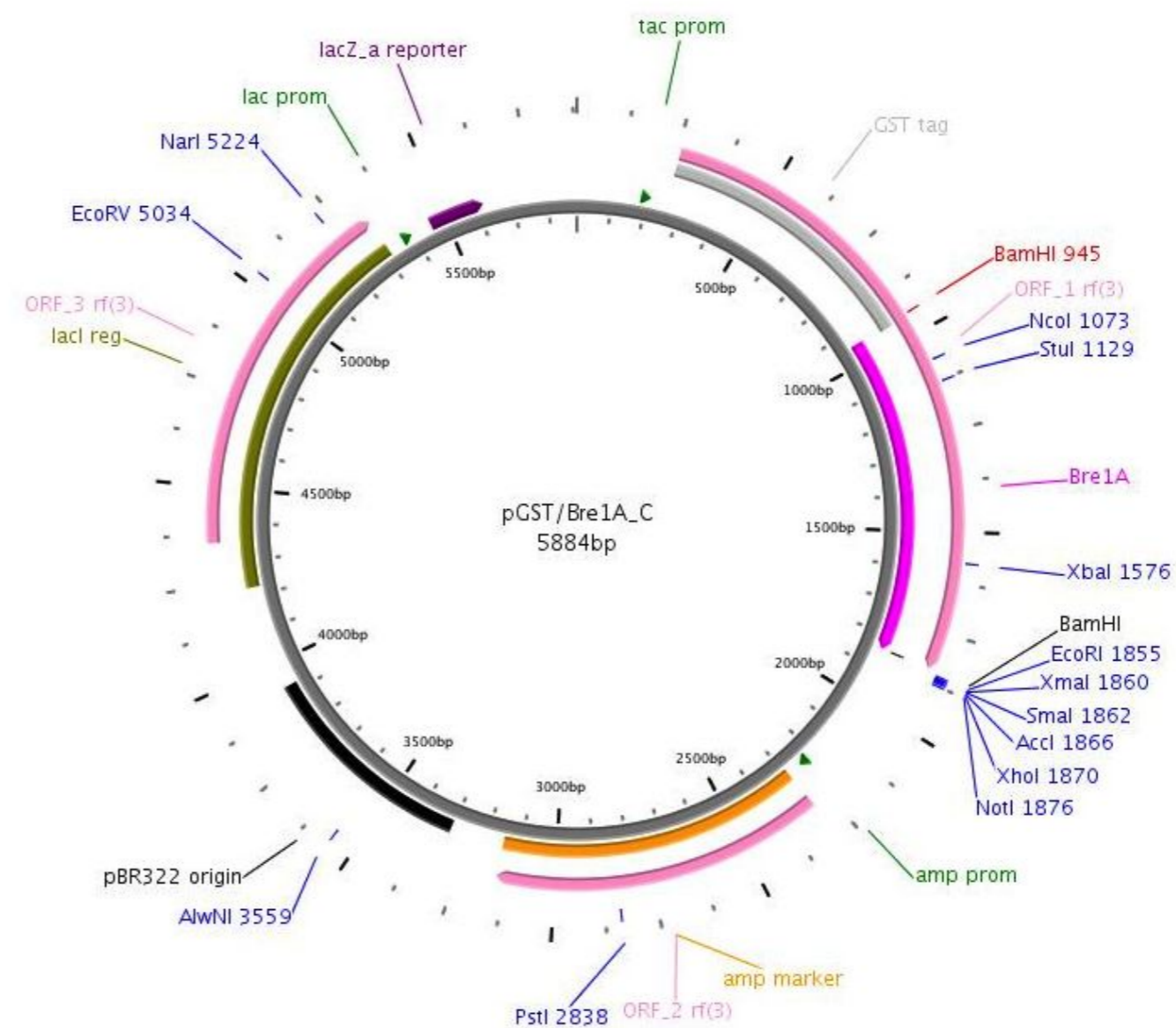
Inserts AA 1-298 from the C-terminal portion of human Bre1A were fused to GST.

Reporter gene

Promoter, splice, PolyA tac promoter and internal lac gene.

Comments GST tag is cleavable by PreScission Protease.
Sequence is available.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.6.11

Constructed by Lilia Bernasconi

Date constructed March 2011

PLASMID NAME

pGST/Bre1B_N

bacterial marker Amp

parent vector

pGEX-2T

bacterial plasmid

high

other relevant source constructs

3xFLAG-hBre1B

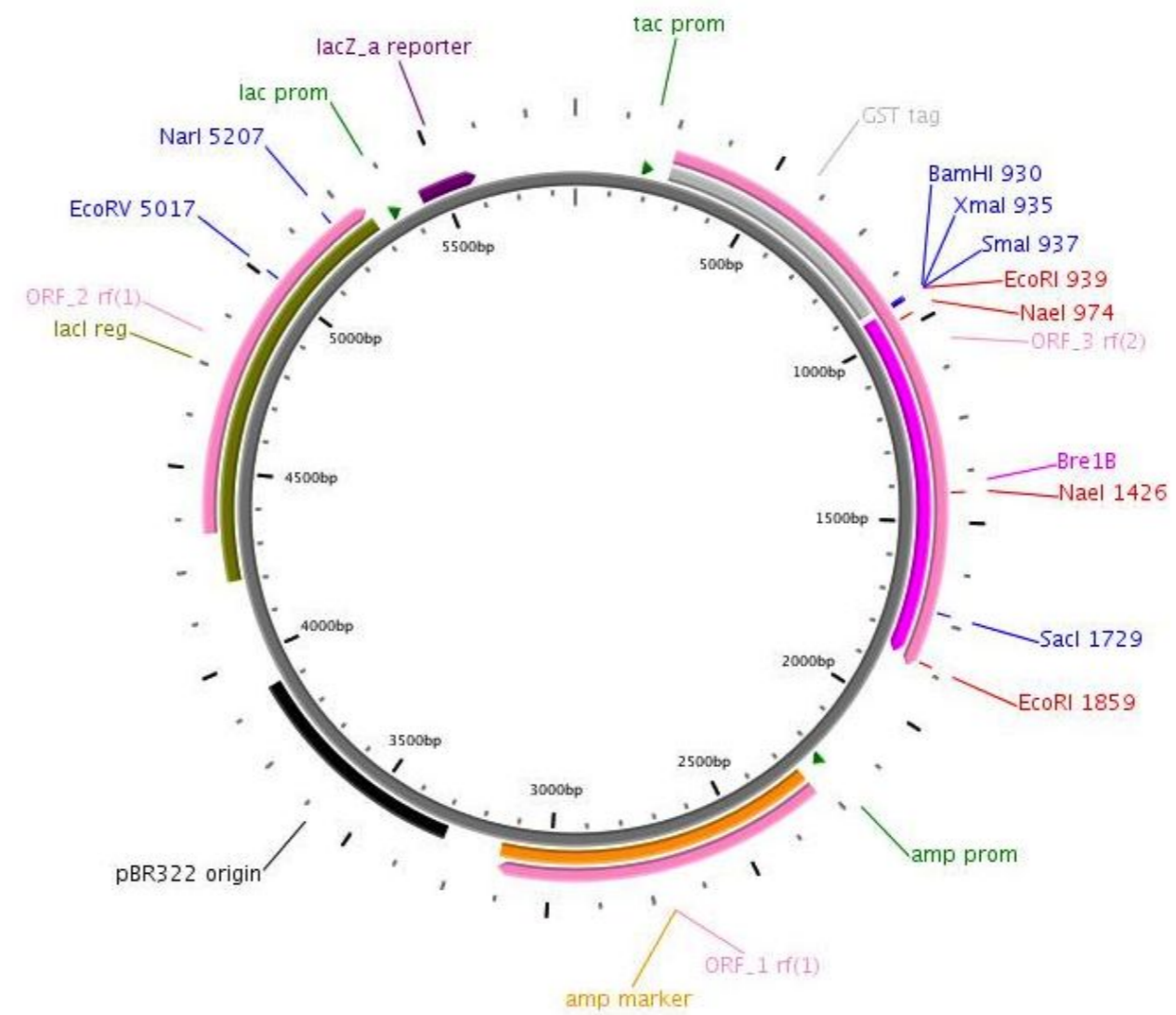
Inserts AA 1-300 of the N-terminal human Bre1B fused to GST .

Reporter gene

Promoter, splice, PolyA tac promoter and internal lac gene.

Comments Sequence is available.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 2401

Date entered 6.6.11

Constructed by Lilia Bernasconi

Date constructed March 2011

PLASMID NAME

pGST/Bre1B_C

bacterial marker Amp

parent vector

pGEX-6P-1

bacterial plasmid

high

other relevant source constructs

3xFLAG-hBre1B

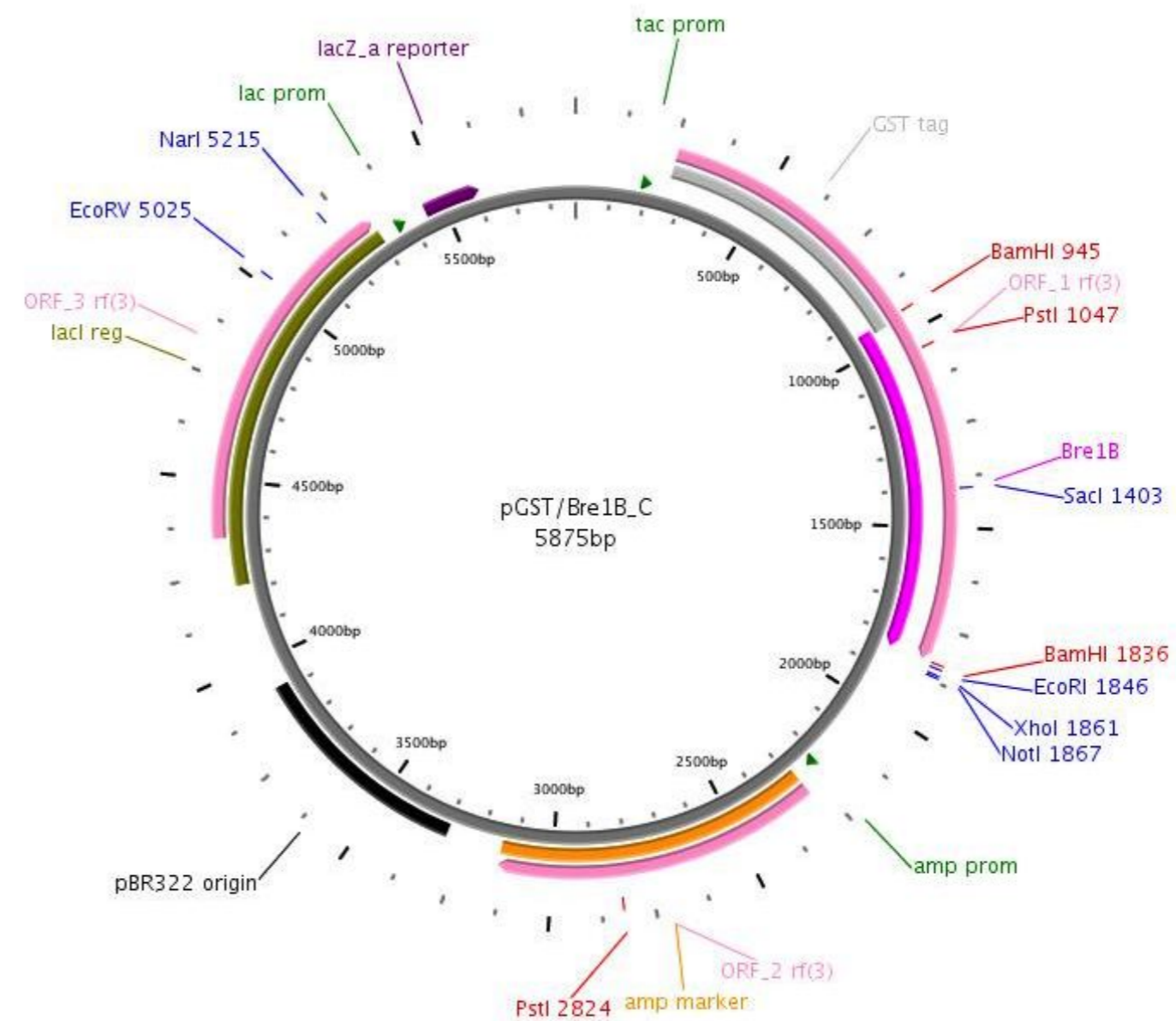
Inserts AA 1-295 from the C-terminal portion of the human Bre1B were fused to GST.

Reporter gene

Promoter, splice, PolyA tac promoter and internal lac gene.

Comments GST can be removed from the fusion protein by PreScission Protease.
Sequence is available.

Reference



Construct number

2402

Date entered

20.6.11

Constructed by

Utpal Tatu's lab

Date constructed

PLASMID NAME

pRSET/PfHsp90

bacterial marker Amp

parent vector

pRSET-A

bacterial plasmid

pUC

other relevant source constructs

2432

Inserts

His6 tag - Xpress epitope - EK cleavage site - Plasmodium falciparum Hsp90

Reporter gene

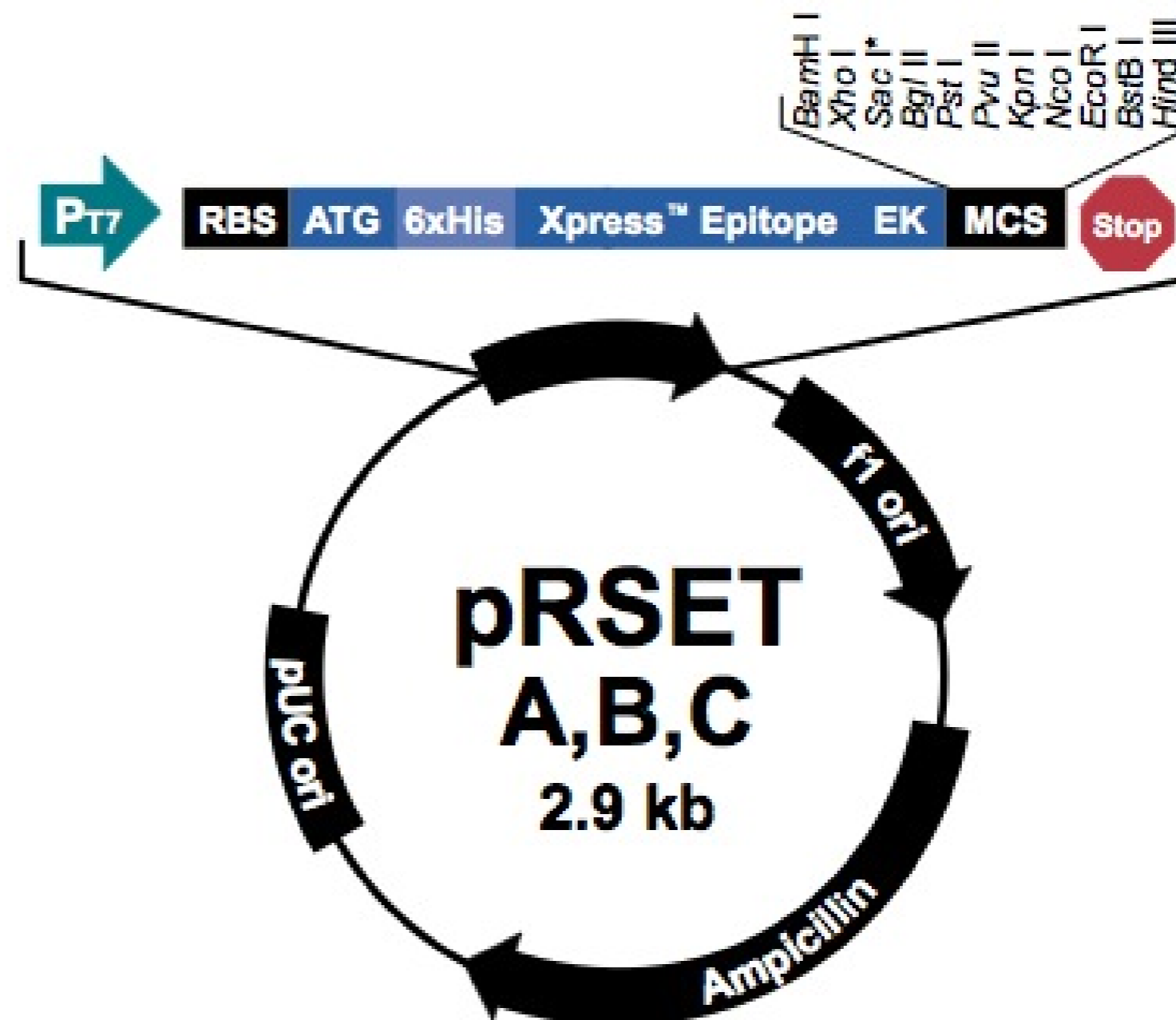
Promoter, splice, PolyA T7

Comments

- high copy bacterial expression vector with His6 tag
- map shows empty expression vector
- PfHsp90 is cloned between BamHI and EcoRI sites

Reference

Wang, T., et al., Differences in Conformational Dynamics between Plasmodium falciparum and Human Hsp90 Orthologues Enable the Structure-Based Discovery of Pathogen-Selective Inhibitors. J Med Chem, 2014.



Construct number

2403

Date entered

4.7.11

Constructed by

Matthias Lab

Date constructed

PLASMID NAME

pBJ5.1-hHDAC6-Flag

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts Human HDAC6 with C-terminal Flag tag

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Grozinger, C. M., Hassig, C. A., and Schreiber, S. L. (1999). Three proteins define a class of human histone deacetylases related to yeast Hda1p. Proc Natl Acad Sci U S A 96, 4868-4873

Construct number

2404

Date entered

4.7.11

Constructed by

Matthias lab

Date constructed

PLASMID NAME

pCDNA3-mHDAC6-HA

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts mouse HDAC6 HA-tagged

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Zhang, Y., Li, N., Caron, C., Matthias, G., Hess, D., Khochbin, S., and Matthias, P. (2003). HDAC-6 interacts with and deacetylates tubulin and microtubules in vivo. EMBO J. 22, 1168-1179.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.7.11

Constructed by Diana Wider

Date constructed June 2011

PLASMID NAME

pLCA_S/CreGR

bacterial marker Amp	parent vector pLCA_S/CreEBD78
yeast marker LEU2	bacterial plasmid BLUESCRIPT
eucaryotic replicon CEN/ARS	other relevant source constructs

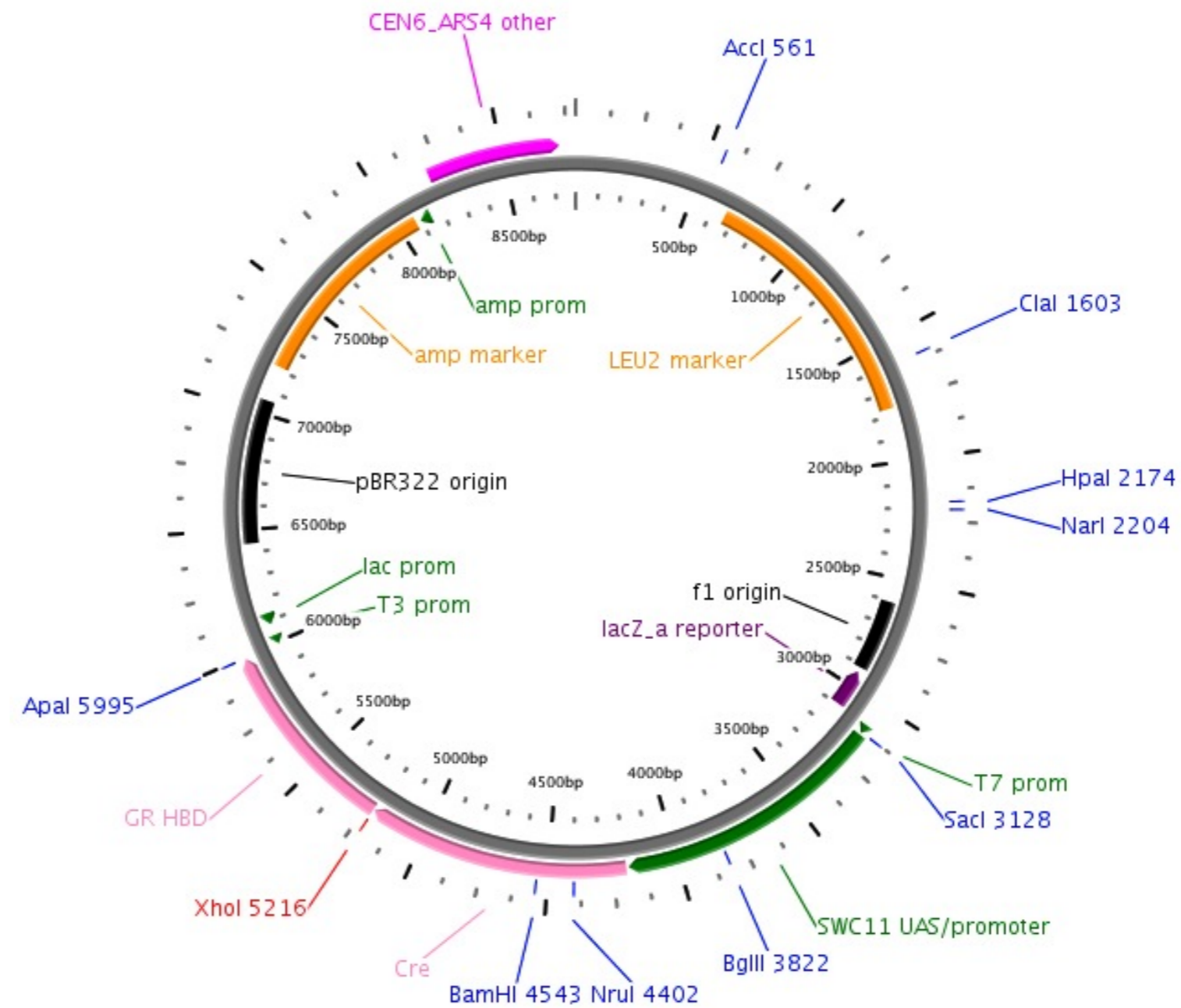
Inserts Cre recombinase fused to the hormone binding domain of the rat glucocorticoid receptor (AA 540-795).
The Cre contains 4 missense mutations.

Reporter gene

Promoter, splice, PolyA
- SCW11 UAS and promoter
- promoter and 5'UTR context are exactly that of pDL20/Cre-EBD78

Comments - sequence available
- note that XhoI site at nt 2409 does not exist.

Reference



Construct number

2406

Date entered

9.8.11

Constructed by

Jonathan Chernoff's lab

Date constructed

PLASMID NAME

pCMV6M-PAK1 T423E

bacterial marker Amp

eukaryotic replicon SV40 ori

parent vector

pCMV6

bacterial plasmid

other relevant source constructs

Inserts

Myc-tagged human PAK1 with activating mutation T423E

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - hGH polyA and terminator
PolyA

Comments

- also contains mutation L516I (but this should not affect anything)
- plasmid obtained from Addgene (plasmid # 12208)

Reference

Sells et al. (1997) Curr. Biol. 7, 202

Construct number

2407

Date entered

9.8.11

Constructed by

Connie Cepko's lab

Date constructed

PLASMID NAME

pCAG-CreERT2

bacterial marker Amp

parent vector

pCAGGS

bacterial plasmid

other relevant source constructs

eukaryotic replicon SV40 ori

Inserts

Cre with NLS fused to the hormone binding domain of the estrogen receptor α (ER HBD contains several point mutations to render less sensitive to estrogens and to destroy AF2 function: G400V/M543A/L544A)

Reporter gene

Promoter, splice, PolyA

- CAG (chicken β -actin promoter with cytomegalovirus enhancer)

- rabbit globin polyA

Comments

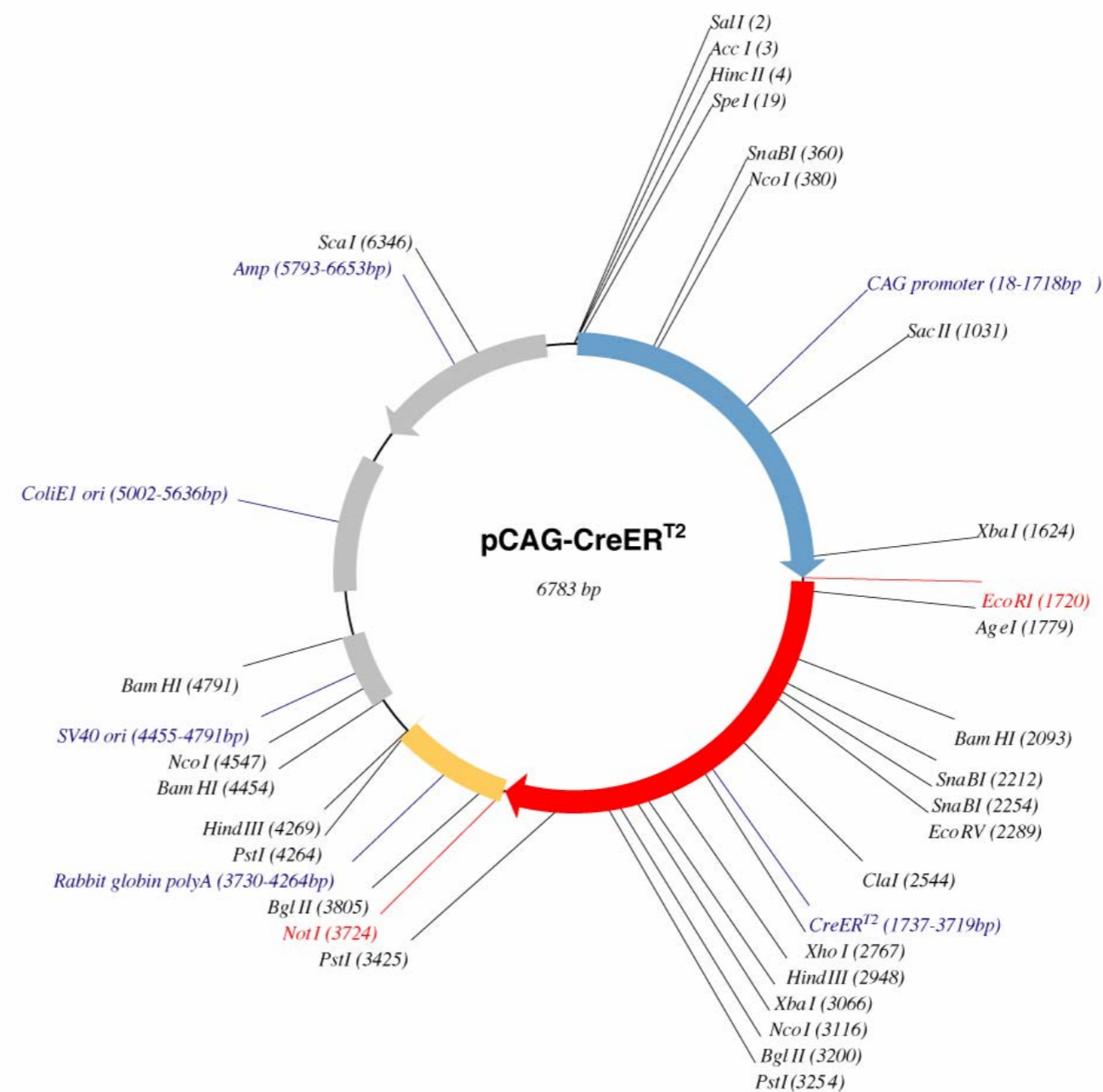
- Cre-ERT2 can be activated with OHT but not with E2.

- plasmid obtained from Addgene (plasmid # 12208); we verified the HBD sequence.

Reference

Matsuda and Cepko (2007) PNAS 104, 1027; modified from Feil et al. (1997) BBRC 237, 752 (Chambon lab)

Matsuda & Cepko



Kozak consensus sequence was added before the start ATG. The insert can be excised with EcoRI and NotI. CreERT² was amplified by PCR using pCreERT² (Feil et al. BBRC 237, 752-757 (1997)) as a template. Vector backbone was pCAGGS (Niwa et al. Gene 108, 193-199 (1991)). This vector was constructed by Takahiko Matsuda.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 11.11.11

Constructed by Lilia Bernasconi

Date constructed 08.2011

PLASMID NAME

MC.ERa

bacterial marker Kan	parent vector pMC160
vertebrate marker Neo (G418)	bacterial plasmid pUC
eukaryotic replicon SV40 ori	other relevant source constructs pLCA/Cre.ER

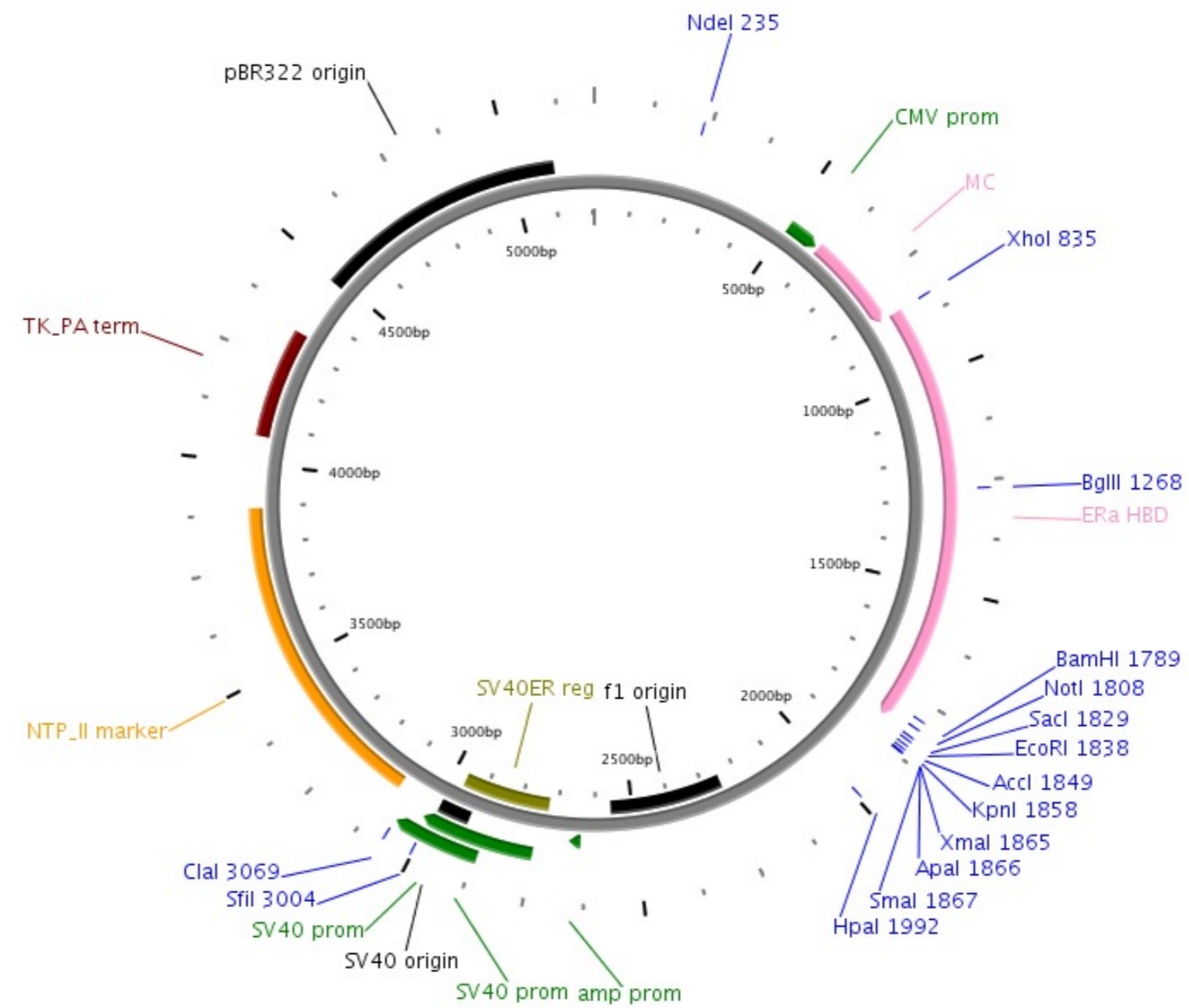
Inserts C-terminal half (aa 160-237) of mCherry fused to human ERa HBD

Reporter gene

Promoter, splice, PolyA
 - CMV enhancer and promoter
 - SV40 poly A

Comments
 - sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 11.11.11

Constructed by Lilia Bernasconi

Date constructed 08.2011

PLASMID NAME

F-SRC1.MN

bacterial marker Kan	parent vector pMN159
vertebrate marker Neo (G418)	bacterial plasmid pUC
eukaryotic replicon SV40 ori	other relevant source constructs F-SRC1VN_2

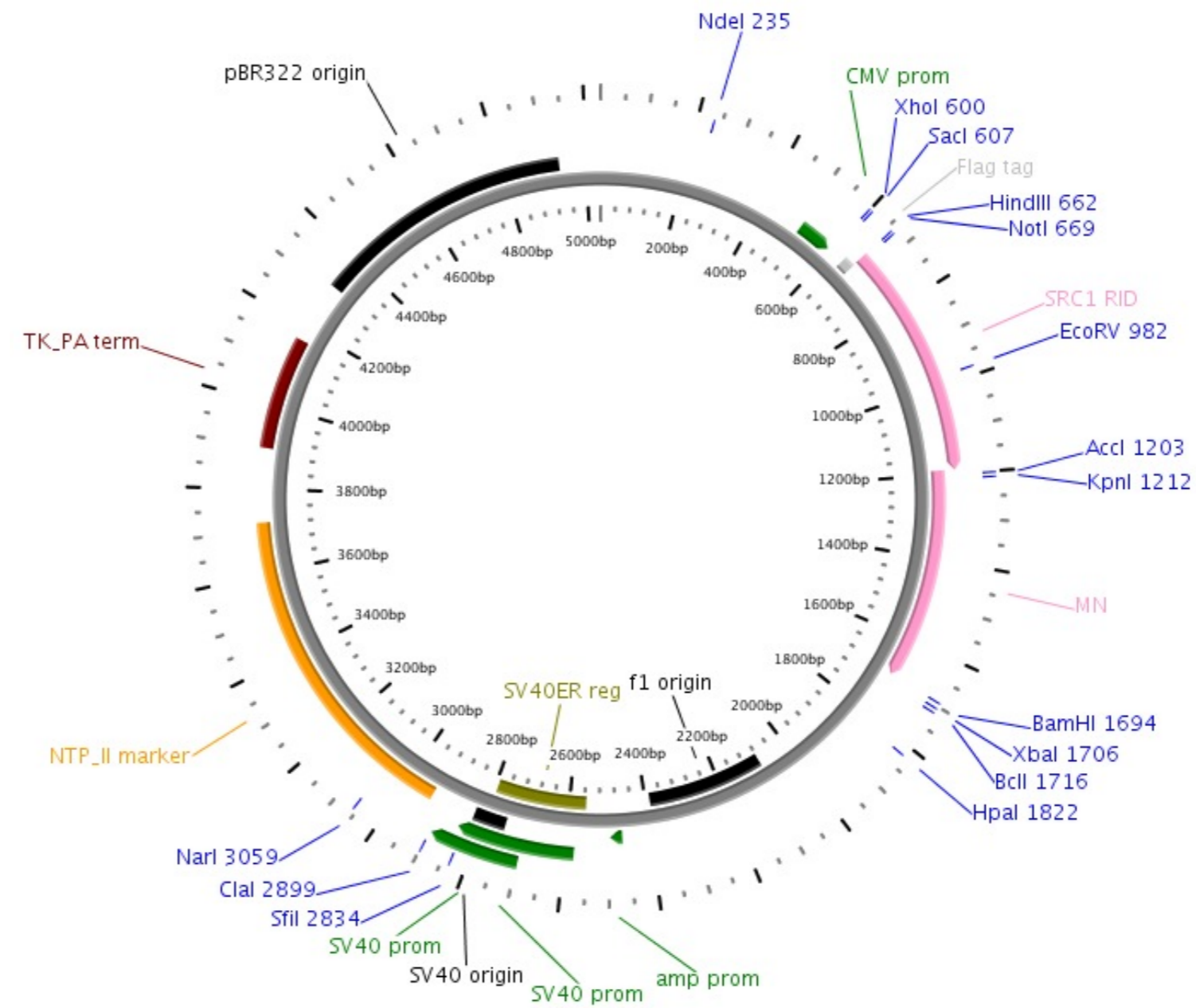
Inserts Flag tag fused to the SRC1 receptor interaction domain (RID) fused to the N-terminal half (aa 1-159) of mCherry

Reporter gene

Promoter, splice, PolyA
 - CMV enhancer and promoter
 - SV40 poly A

Comments - sequence available

Reference



Construct number
Constructed by Schüele lab

Date entered 1.12.11
Date constructed

PLASMID NAME

pCMX-Flag-LSD1

bacterial marker Amp	parent vector
eukaryotic replicon SV40 ori	bacterial plasmid
	other relevant source constructs

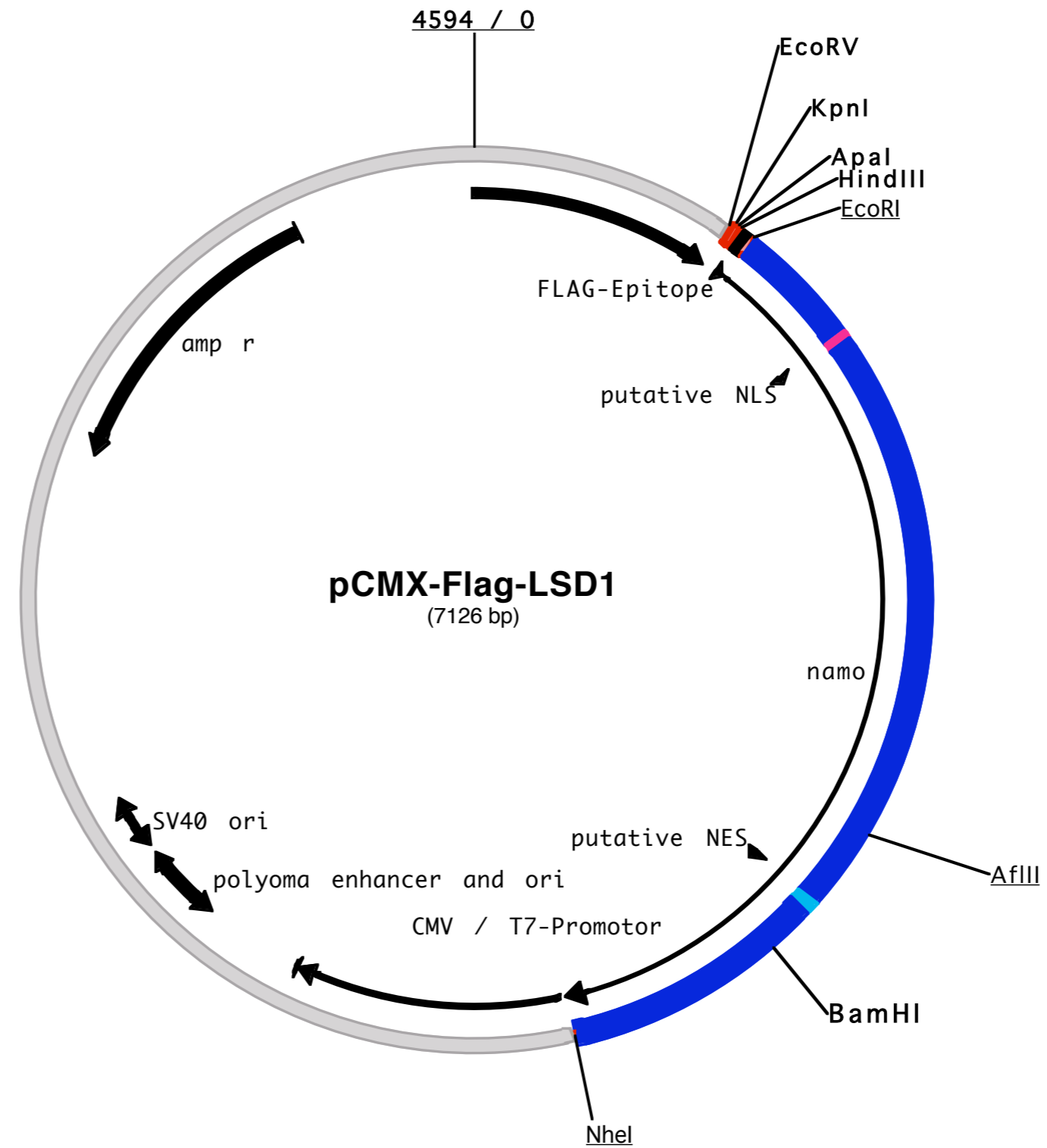
Inserts Flag epitope fused to full-length human LSD1 (wild-type).

Reporter gene

Promoter, splice, PolyA CMV enhancer/promoter

Comments for more details of the vector sequence go to extra stuff folder.

Reference Metzger, E., Wissmann, M., Yin, N., Muller, J. M., Schneider, R., Peters, A. H., Gunther, T., Buettner, R., and Schule, R. (2005). Nature 437, 436-439.



Construct number
Constructed by Schüle lab

Date entered 1.12.11
Date constructed

PLASMID NAME

bacterial marker Amp	parent vector pCMX-Flag-LSD1
eukaryotic replicon SV40 ori	bacterial plasmid
	other relevant source constructs

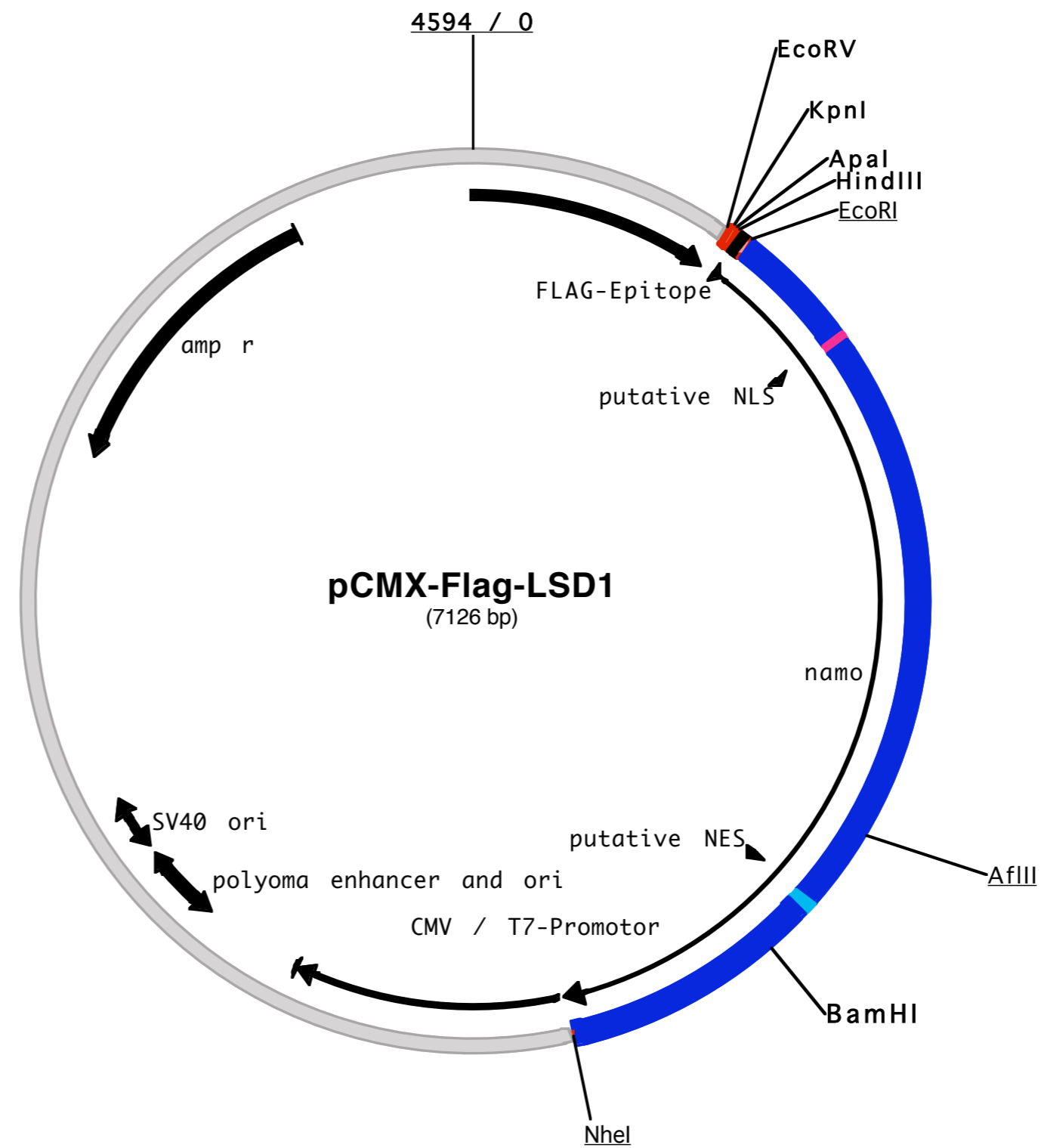
Inserts Flag tagged human LSD1 with the following substitutions : K661A (abolishes histone demethylase activity), W751A, Y761S

Reporter gene

Promoter, splice, PolyA

Comments

Reference Yokoyama, A., Takezawa, S., Schule, R., Kitagawa, H., and Kato, S. (2008). Transrepressive function of TLX requires the histone demethylase LSD1. Mol. Cell. Biol. 28, 3995-4003.



Construct number
Constructed by Schüle lab

Date entered 1.12.11
Date constructed

PLASMID NAME

pLV-THM-shRNA-LSD1

bacterial marker Amp	parent vector pLV-THM
vertebrate marker GPT	bacterial plasmid
eukaryotic replicon SV40 ori	other relevant source constructs

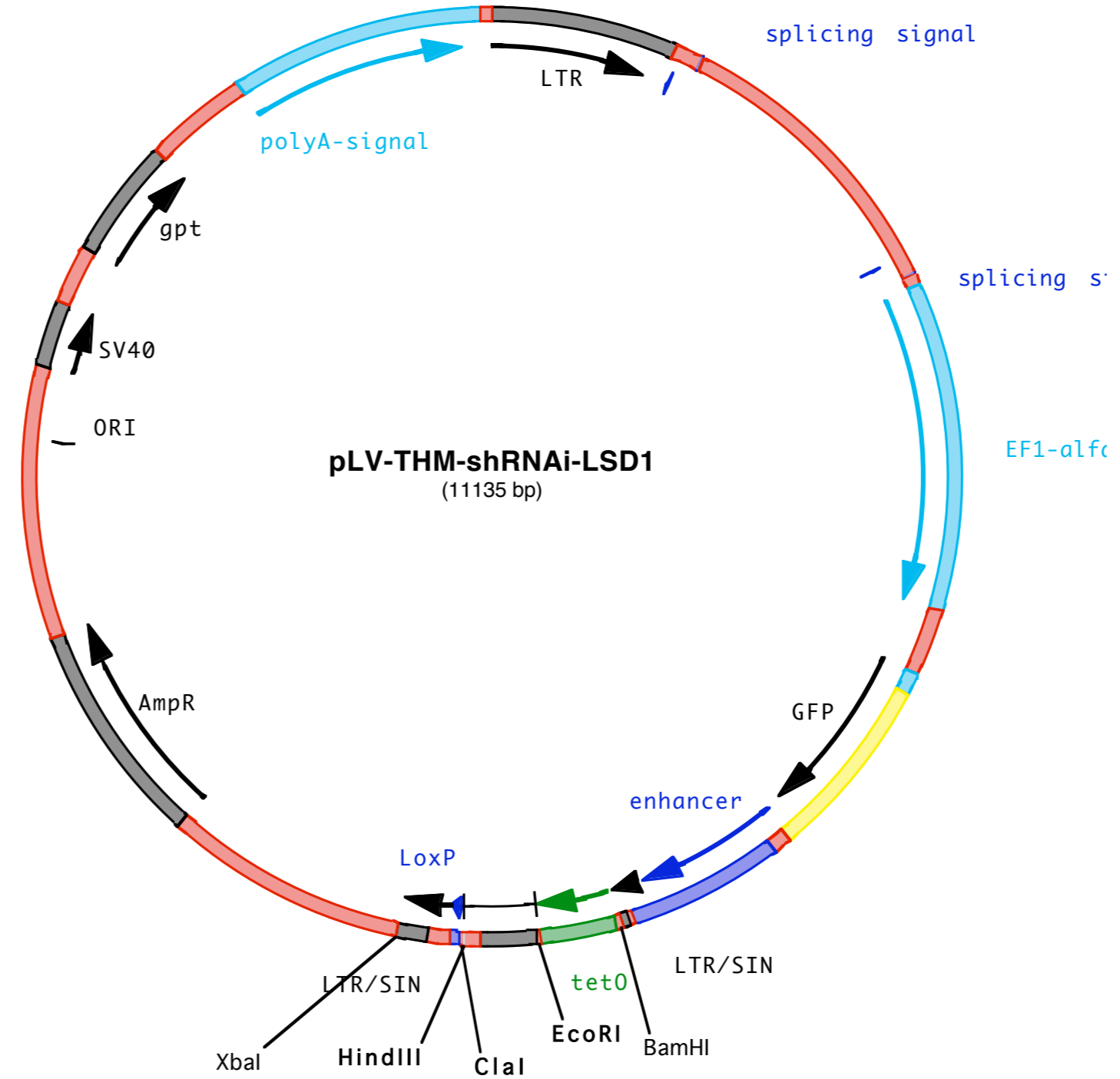
Inserts human LSD1 shRNA, 5'-CGGACAAGCTGTTTCCTAAA-3'

Reporter gene

Promoter, splice, PolyA Lentiviral LTR

Comments for more details of the vector sequence go to extra stuff folder.

Reference Metzger et al. (2005). Nature 437, 436-439.
Yokoyama et al. (2008). Mol. Cell. Biol. 28, 3995-4003.



Construct number 2413

Date entered 5.12.11

Constructed by NEB

Date constructed

PLASMID NAME

pTK-GLuc

bacterial marker Amp

parent vector

vertebrate marker Neo (G418)

bacterial plasmid

pUC

eukaryotic replicon SV40 ori

other relevant source constructs

Inserts *Gaussia princeps* luciferase

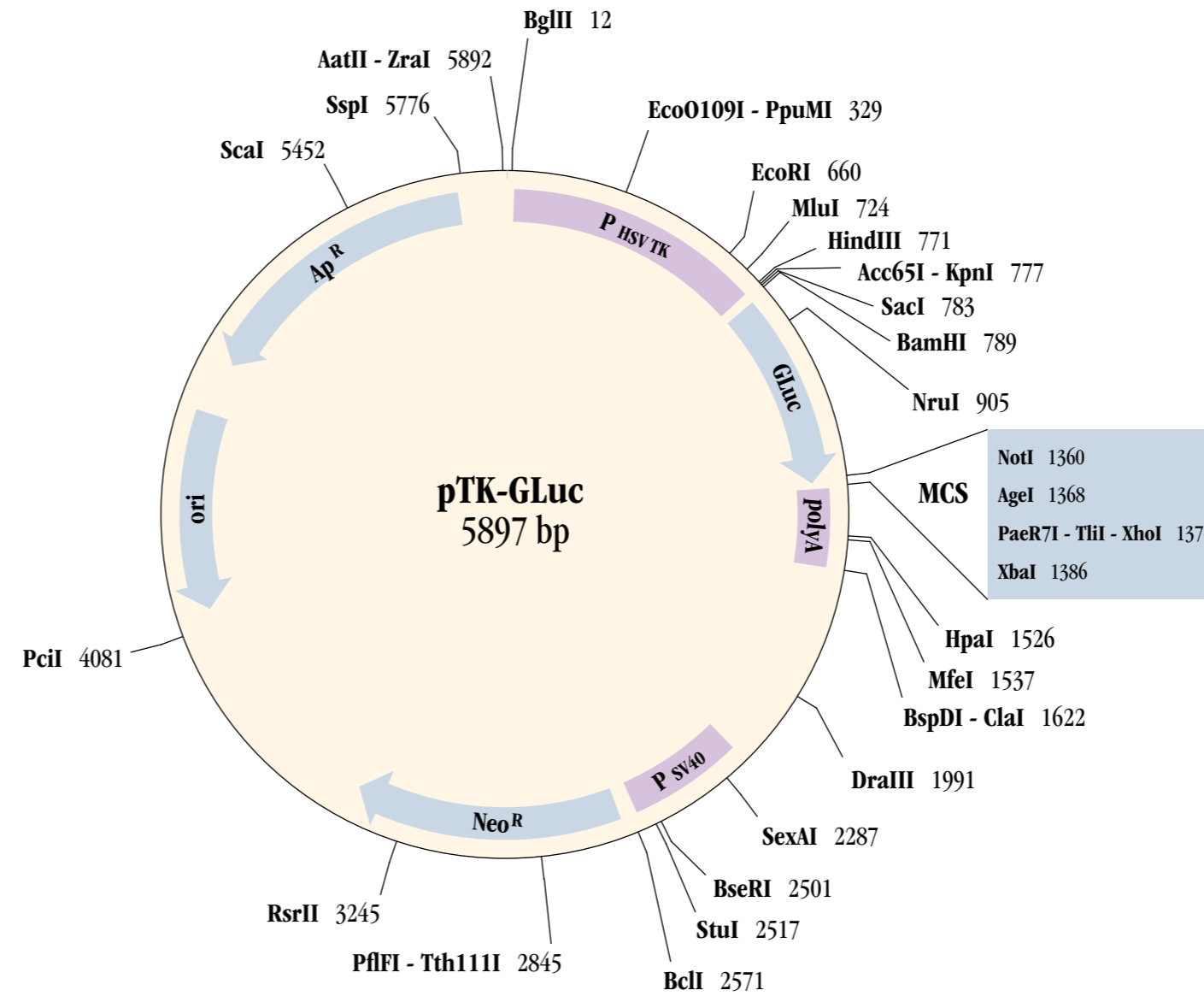
Reporter gene GLuc

Promoter, splice, PolyA TK promoter, poly A

Comments - encodes a secreted luciferase

- sequence available

Reference



pTKGLuc Vector MCS

NotI AgeI XhoI XbaI
 GGGCCGGTGGTGACTAAGCGGCCGACCGGTCTCGAGCATGCATCTAGA

GLuc

Construct number 2414

Date entered 5.12.11

Constructed by NEB

Date constructed

PLASMID NAME

pCLuc Mini-TK2

bacterial marker Amp

parent vector

vertebrate marker Neo (G418)

bacterial plasmid

pUC

eukaryotic replicon SV40 ori

other relevant source constructs

Inserts *Cypridina noctiluca* luciferase

Reporter gene CLuc

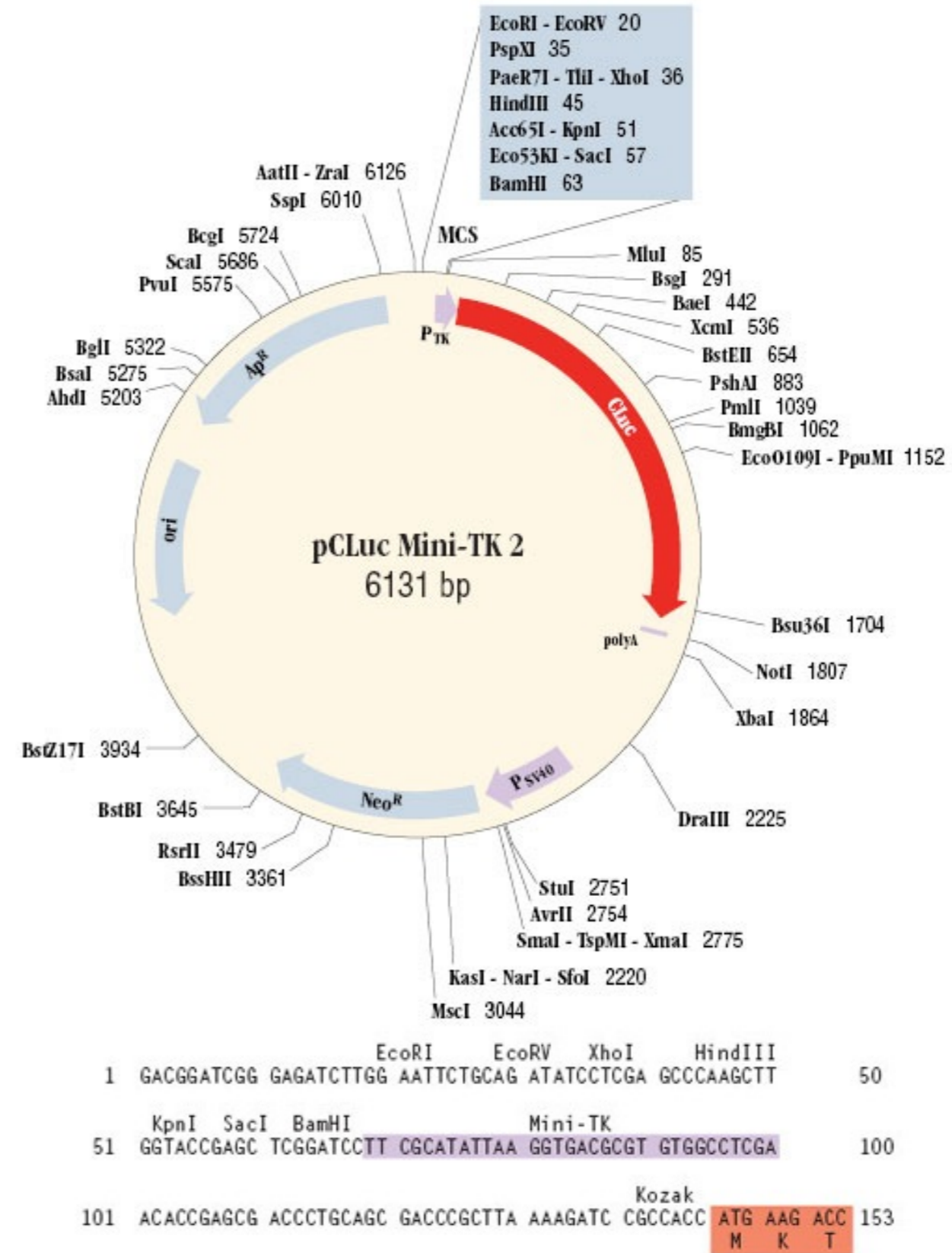
Promoter, splice, PolyA - Minimal TK promoter

- polyA

Comments - encodes a secreted luciferase

- sequence available

Reference



Construct number 2415

Date entered 17.1.12

Constructed by Kevin A. Morano

Date constructed 23.8.1995

PLASMID NAME

SSA-LacZ

bacterial marker Amp

parent vector

pCM64

bacterial plasmid

yeast marker URA3

other relevant source constructs

pLG669Z

eukaryotic replicon 2 μ circle

Inserts LacZ

The 5' UTR of the LacZ contains the HSE from SSA3 promoter (GTGGAAAGTTATAGAATATTACAGAAGC), fused to the CYC1 basal promoter.

The construction is below:
YepSSA3-HSE(wt)-LacZ

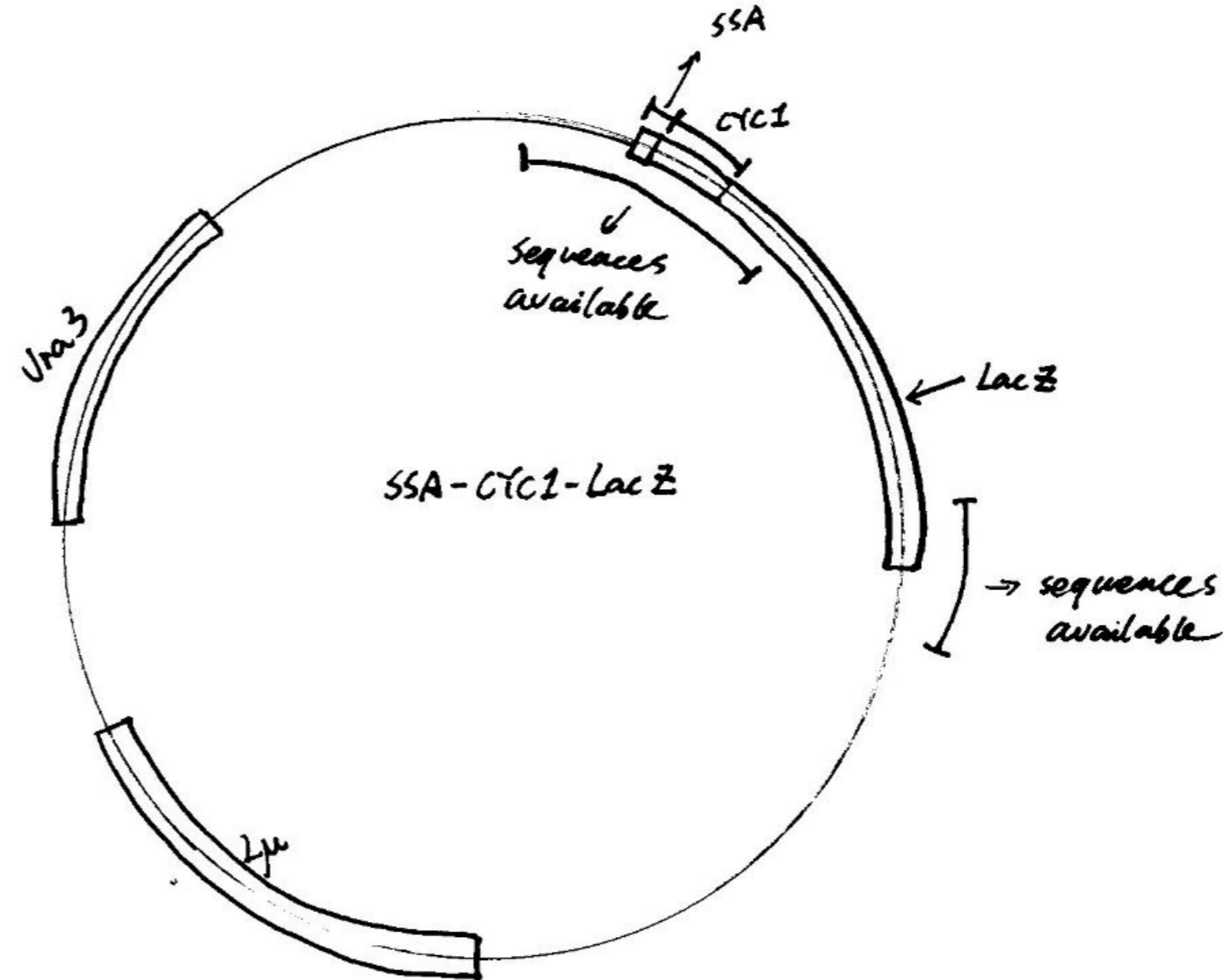
Sequences from 5' and 3' UTR are available (based on sequencing). The SSA3 and CYC1 promoters are written in lowercase

Reporter gene lacZ

Promoter, splice, PolyA SSA3-CYC1 promoter

Comments The lacZ reporter vectors were built on the pCM64 vector backbone, with a minimal CYC1 promoter driving lacZ expression (2 μ , URA3) plus a fragment of the SSA3 heat-shock inducible Hsp70 gene (this plasmid), or a version of the same fragment with the HSF-1 binding "GAA" HSEs mutated (DP-2416)

Reference Liu et al. Conservation of a stress response: human heat shock transcription factors functionally substitute for yeast HSF. EMBO J (1997) vol. 16 (21) pp. 6466-77
<http://www.nature.com/emboj/journal/v16/n21/full/7590619a.html>



Construct number 2416

Date entered 17.1.12

Constructed by Kevin A. Morano

Date constructed 23.8.1995

PLASMID NAME

mSSA3-LacZ

bacterial marker Amp

parent vector

pCM64

bacterial plasmid

yeast marker URA3

other relevant source constructs

pLG669Z

eukaryotic replicon 2 μ circle

Inserts LacZ

The 5' UTR of the LacZ contains the mutated HSE from SSA3 promoter (GTGTAAAGATATATATTATAACAGCGGC), fused to the CYC1 basal promoter. This mutation disables the HSF-1 binding.

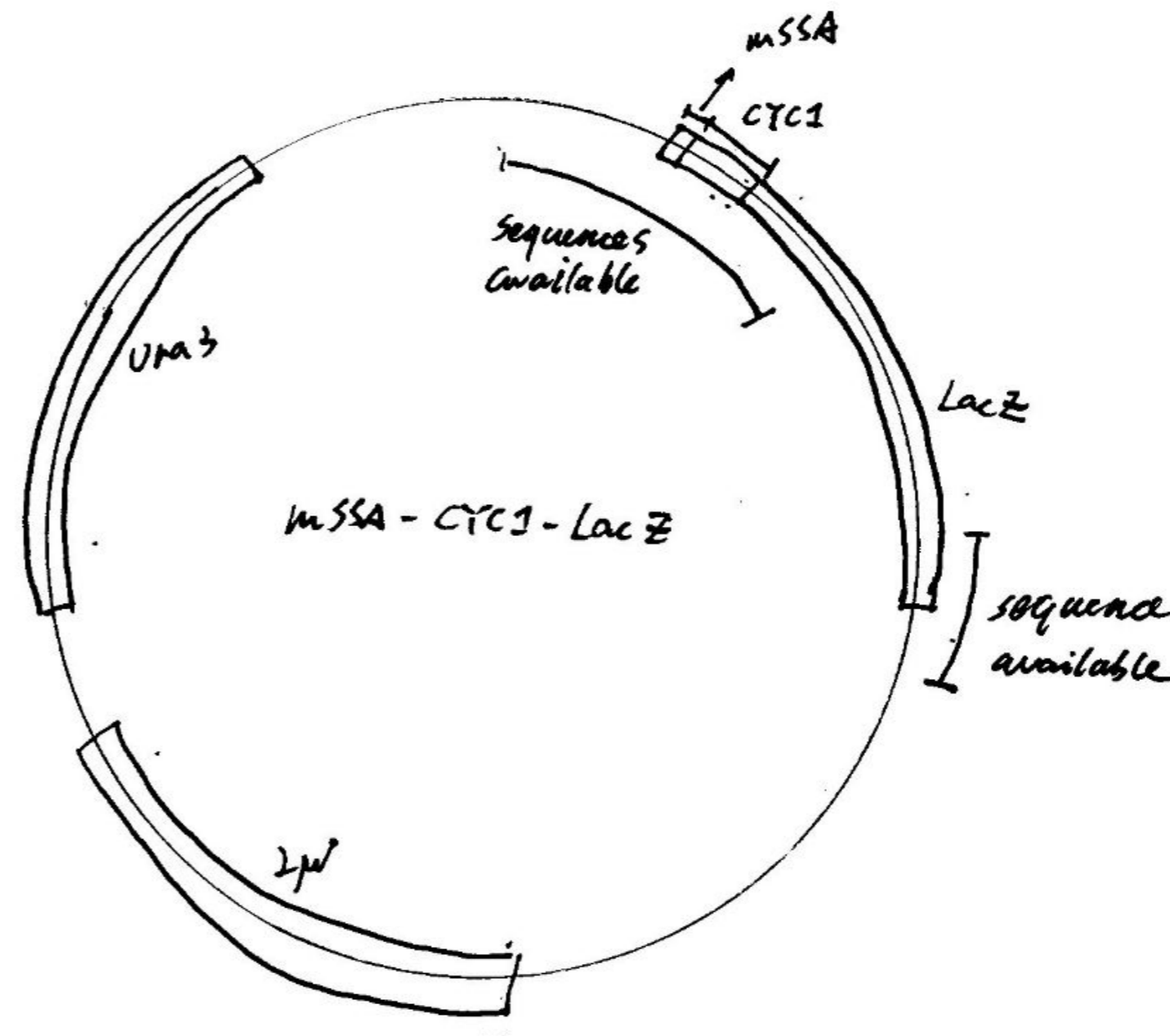
The construction is below:
YepSSA3-HSE(mutant)-LacZ

Reporter gene lacZ
Sequences from 5' and 3' UTR are available (based on sequencing). The mutated SSA3 and CYC1 promoters was written in lowercase

Promoter, splice, PolyA
mSSA3-CYC1 promoter

Comments The lacZ reporter vecotrs were build on the pCM64 vector backbone, with a miminal CYC1 promoter driving lacZ expression (2 μ , URA3) plus a fragment of the SSA3 heat-shock inducible Hsp70 gene (DP-2415), or a version of the same fragment with the HSF-1 binding "GAA" HSEs mutated (this plasmid)

Reference Liu et al. Conservation of a stress response: human heat shock transcription factors functionally substitute for yeast HSF. EMBO J (1997) vol. 16 (21) pp. 6466-77
<http://www.nature.com/emboj/journal/v16/n21/full/7590619a.html>



Construct number 2417

Date entered 20.2.12

Constructed by Harm Kampinga's lab

Date constructed

PLASMID NAME

FRTTO-V5-Hspa1a

bacterial marker Amp

parent vector pcDNA5/FRT/TO
bacterial plasmid pUC
other relevant source constructs

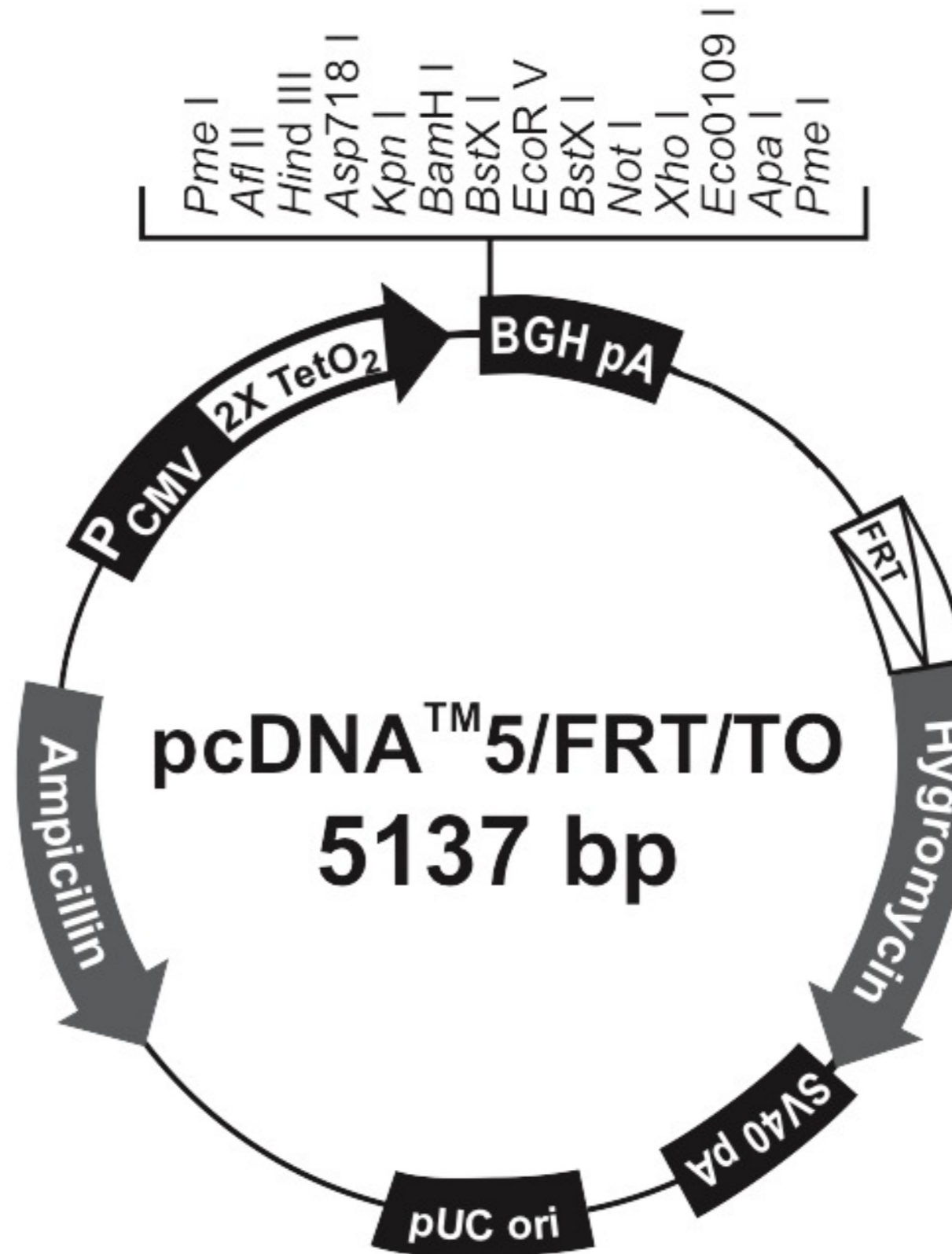
Inserts V5 epitope (GKPIPPLLGLDST) fused to human Hsp70 (Hspa1a)

Reporter gene

Promoter, splice, PolyA - CMV enhancer/promoter
- Tet operator for inducible expression
- bGH polyA

Comments - sequence available
- vector also contains incomplete hygromycin marker
- map is for empty vector
- V5-Hsp70 is cloned between HindIII and Not1 of polylinker

Reference



Construct number 2418

Date entered 20.2.12

Constructed by Harm Kampinga's lab

Date constructed

PLASMID NAME

FRTTO-Hspa1a

bacterial marker Amp

parent vector pcDNA5/FRT/TO
bacterial plasmid pUC
other relevant source constructs

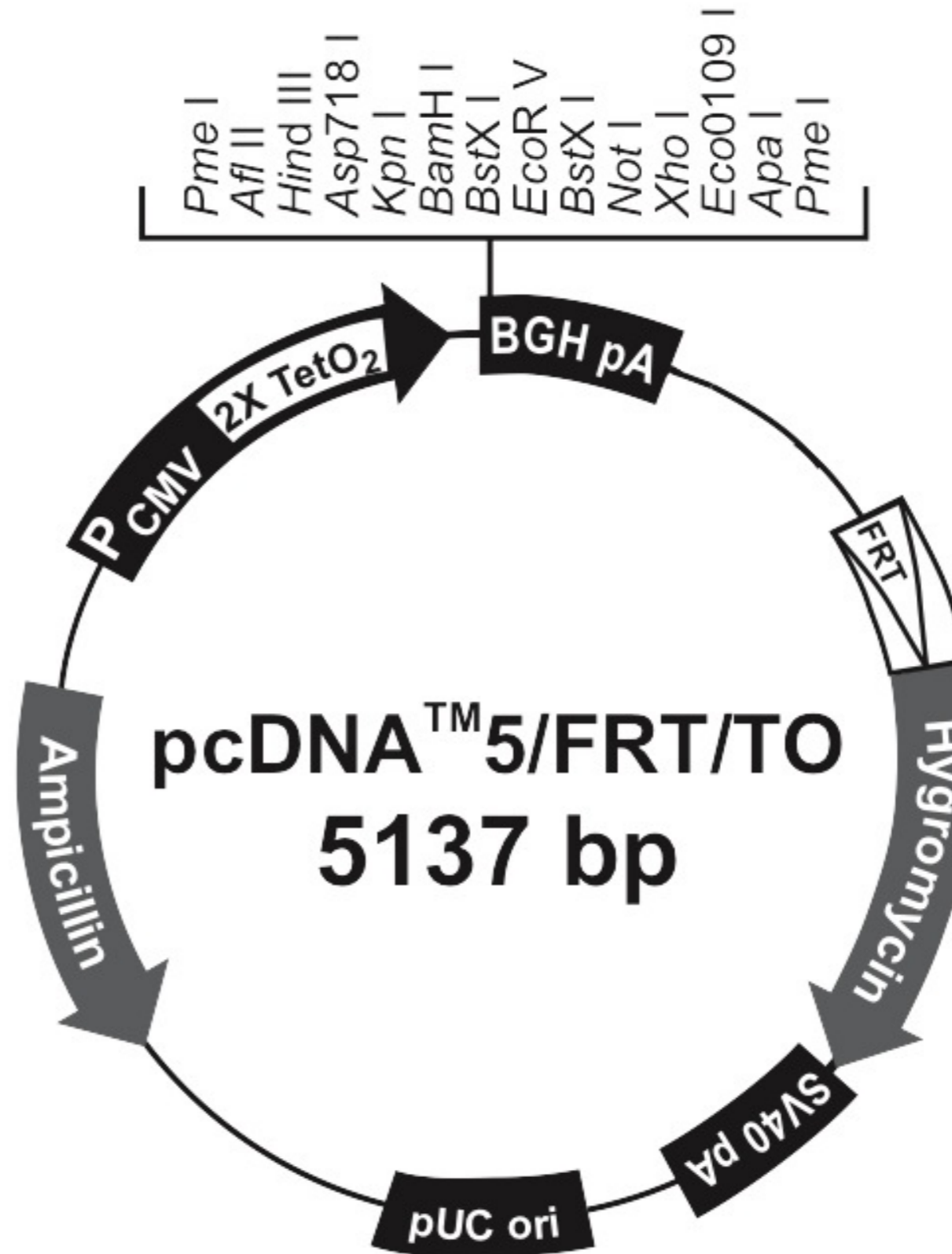
Inserts human Hsp70 (Hspa1a)

Reporter gene

Promoter, splice, PolyA
- CMV enhancer/promoter
- Tet operator for inducible expression
- bGH polyA

Comments
- sequence available
- vector also contains incomplete hygromycin marker
- map is for empty vector
- Hsp70 is cloned between BamHI and Not1 of polylinker

Reference



Construct number 2419

Date entered 20.2.12

Constructed by Harm Kampinga's lab

Date constructed

PLASMID NAME

FRTTO-GFP-Hspa1a

bacterial marker Amp

parent vector pcDNA5/FRT/TO
bacterial plasmid pUC
other relevant source constructs

Inserts GFP fused to human Hsp70 (Hspa1a)

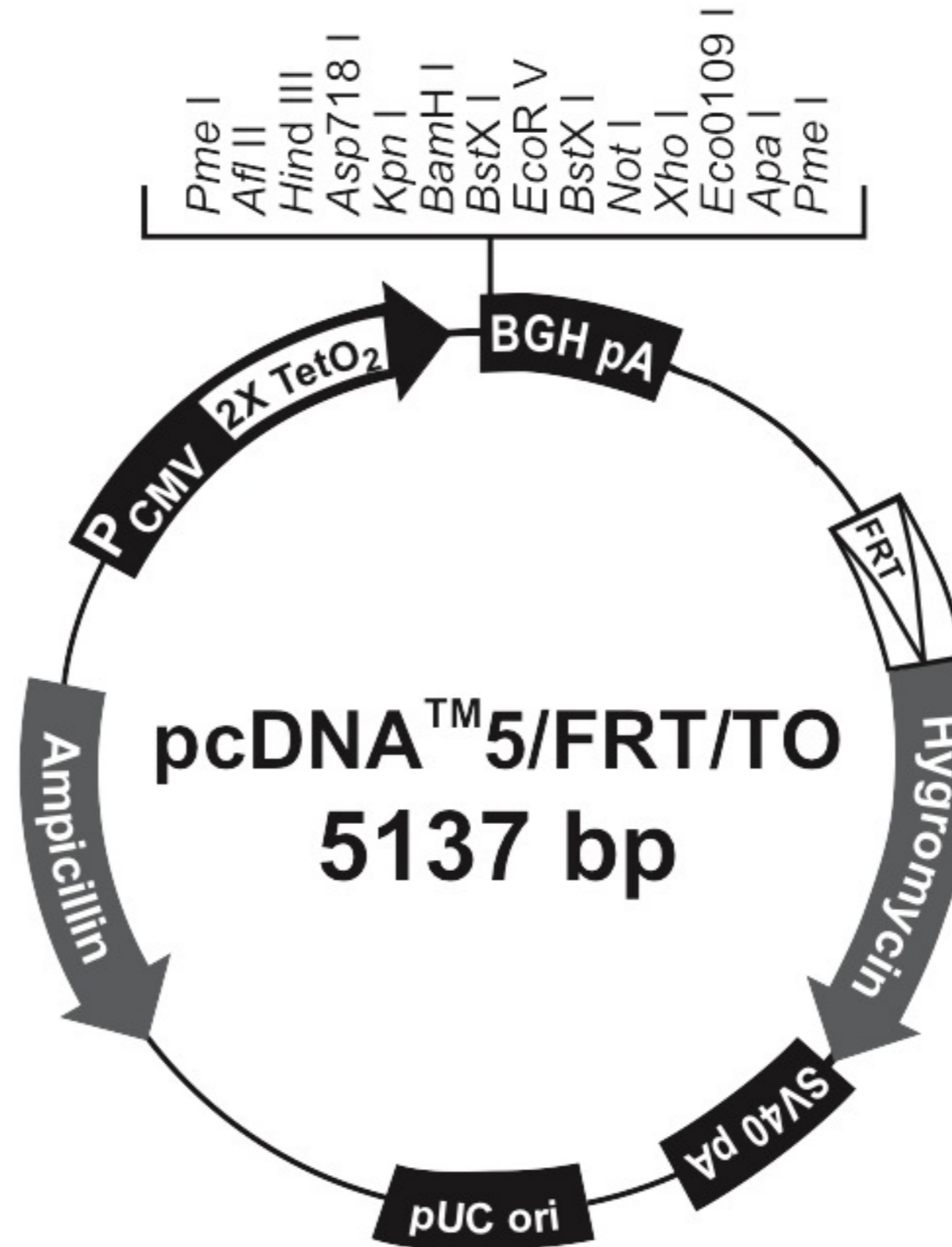
Reporter gene

Promoter, splice, PolyA
- CMV enhancer/promoter
- Tet operator for inducible expression
- bGH polyA

Comments

- vector also contains incomplete hygromycin marker
- map is for empty vector
- GFP-Hsp70 may be slightly less active than unfused version

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 23.3.12

Constructed by Diana Wider

Date constructed 03.2012

PLASMID NAME

XTCL

bacterial marker Amp

parent vector

pCLuc-Mini-TK2

bacterial plasmid

BS(+)

other relevant source constructs

XTL

Inserts Polylinker - TK promoter - *Cypridina noctiluca* luciferase

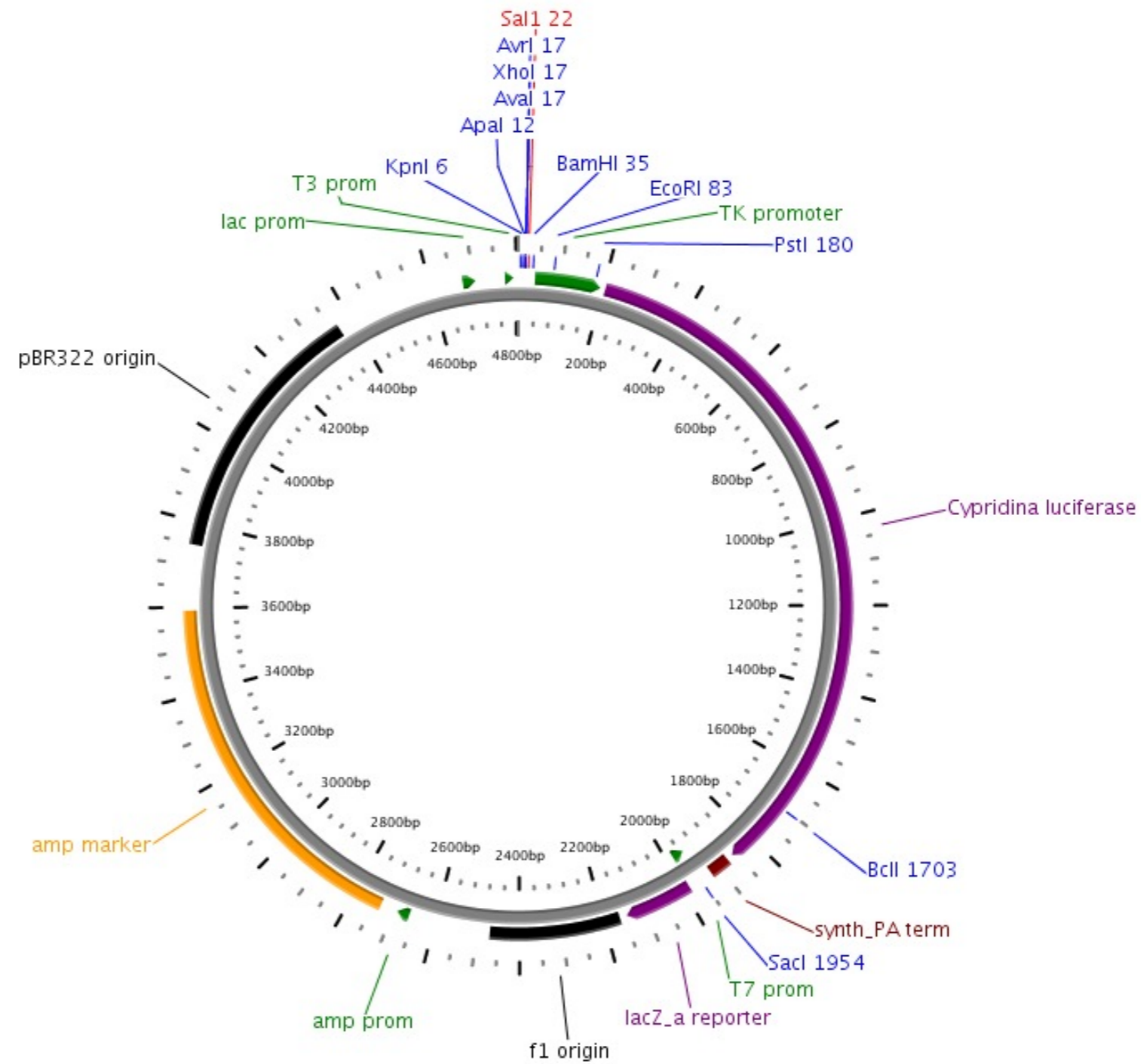
Reporter gene

Promoter, splice, PolyA - TK promoter

- polyA

Comments - encodes a secreted luciferase (does not work with D-luciferin!!!)
- equivalent of plasmid XTL
- sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 23.3.12

Constructed by Diana Wider

Date constructed 03.2012

PLASMID NAME

XETCL

bacterial marker Amp

parent vector
pCLuc-Mini-TK2
bacterial plasmid
BS(+)
other relevant source constructs
XETL

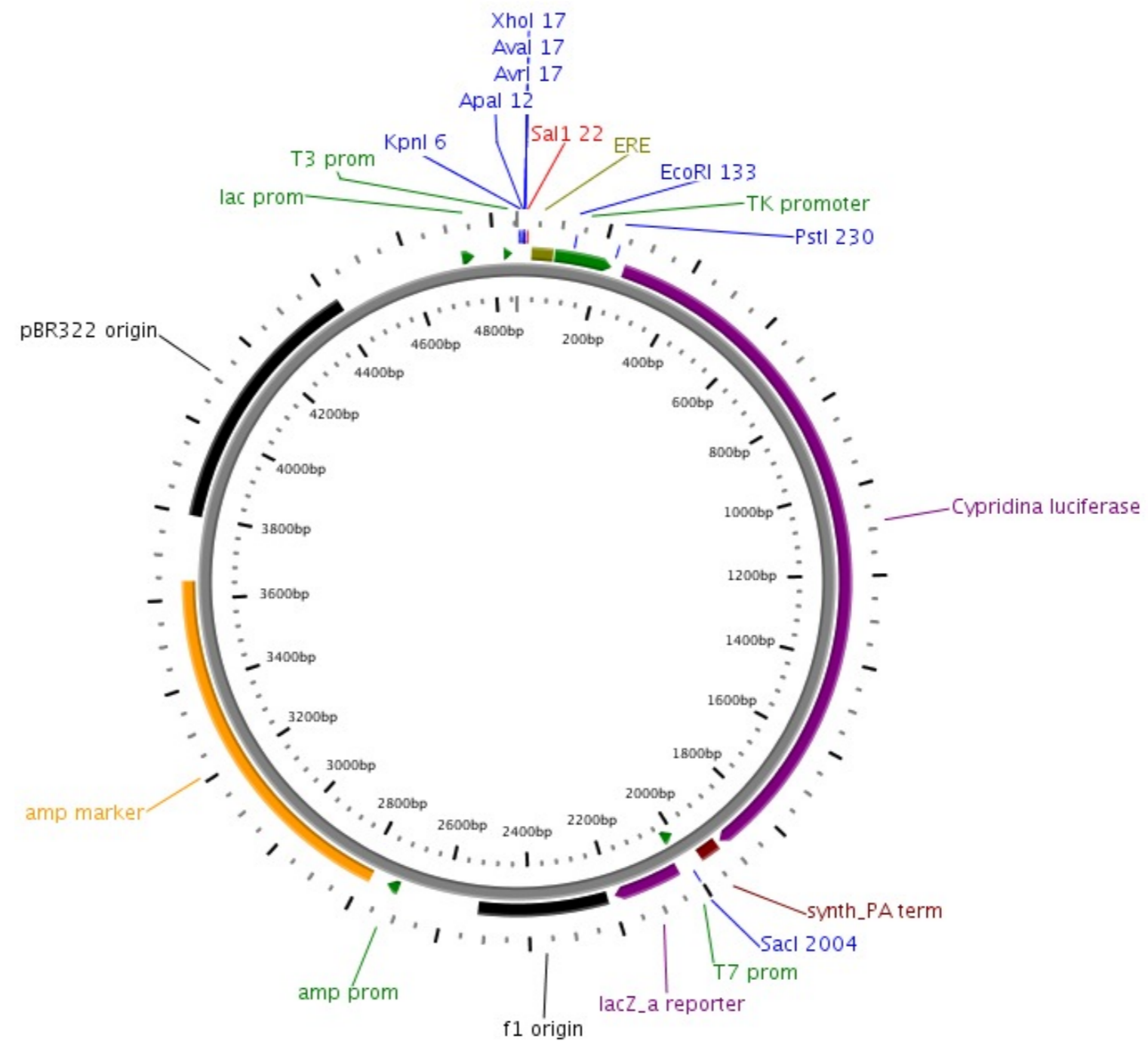
Inserts ERE - TK promoter - *Cypridina noctiluca* luciferase

Reporter gene

Promoter, splice, PolyA
- ERE - TK promoter
- polyA

Comments
- encodes a secreted luciferase (does not work with D-luciferin!!!)
- equivalent of plasmid XETL
- sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number
Constructed by Diana Wider

Date entered 23.3.12
Date constructed 03.2012

PLASMID NAME

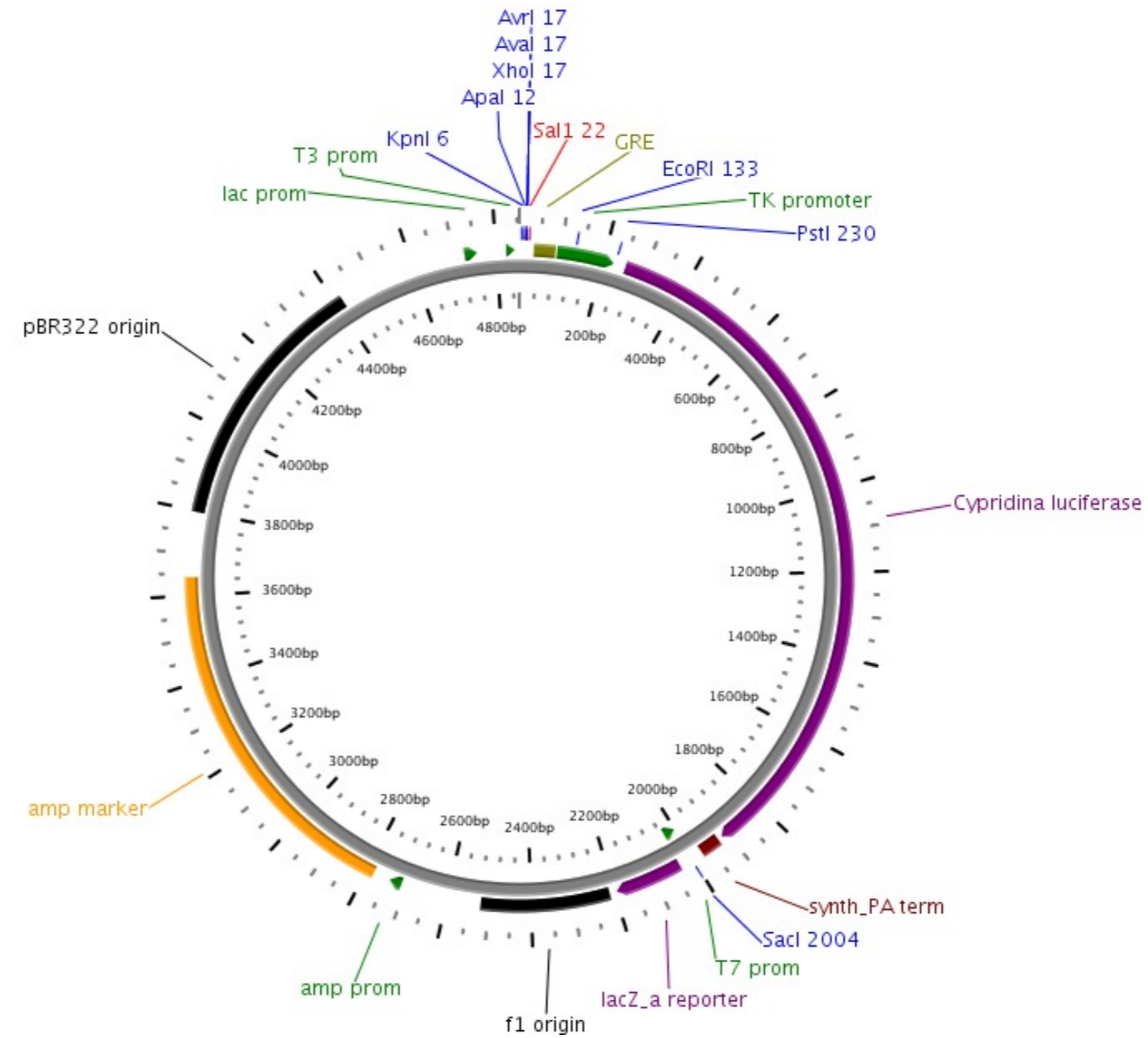
XG46TCL

<u>bacterial marker</u> Amp	<u>parent vector</u> pCLuc-Mini-TK2
	<u>bacterial plasmid</u> BS(+)
	<u>other relevant source constructs</u> XG46TL

<u>Inserts</u>	GRE - TK promoter - <i>Cypridina noctiluca</i> luciferase
<u>Reporter gene</u>	<input type="text" value="CLuc"/>
<u>Promoter,</u> <u>splice,</u> <u>PolyA</u>	- GRE - TK promoter - polyA

Comments - encodes a secreted luciferase (does not work with D-luciferin!!!)
 - equivalent of plasmid XG46TL
 - partial sequence available

Reference



Construct number

2423

Date entered

5.4.12

Constructed by

Yongzhang Luo, Tsinghua University, Beijing

Date constructed

PLASMID NAME

His-Myc-H-Hsp90

bacterial marker

Amp

vertebrate marker

Neo (G418)

eukaryotic replicon

SV40 ori

parent vector

pcDNA3.1(+)/myc-His A

bacterial plasmid

other relevant source constructs

Inserts

Full-length human Hsp90 alpha (wild-type).

N-terminal with His-Myc tags and C-terminal with Myc-His tags.

Reporter gene

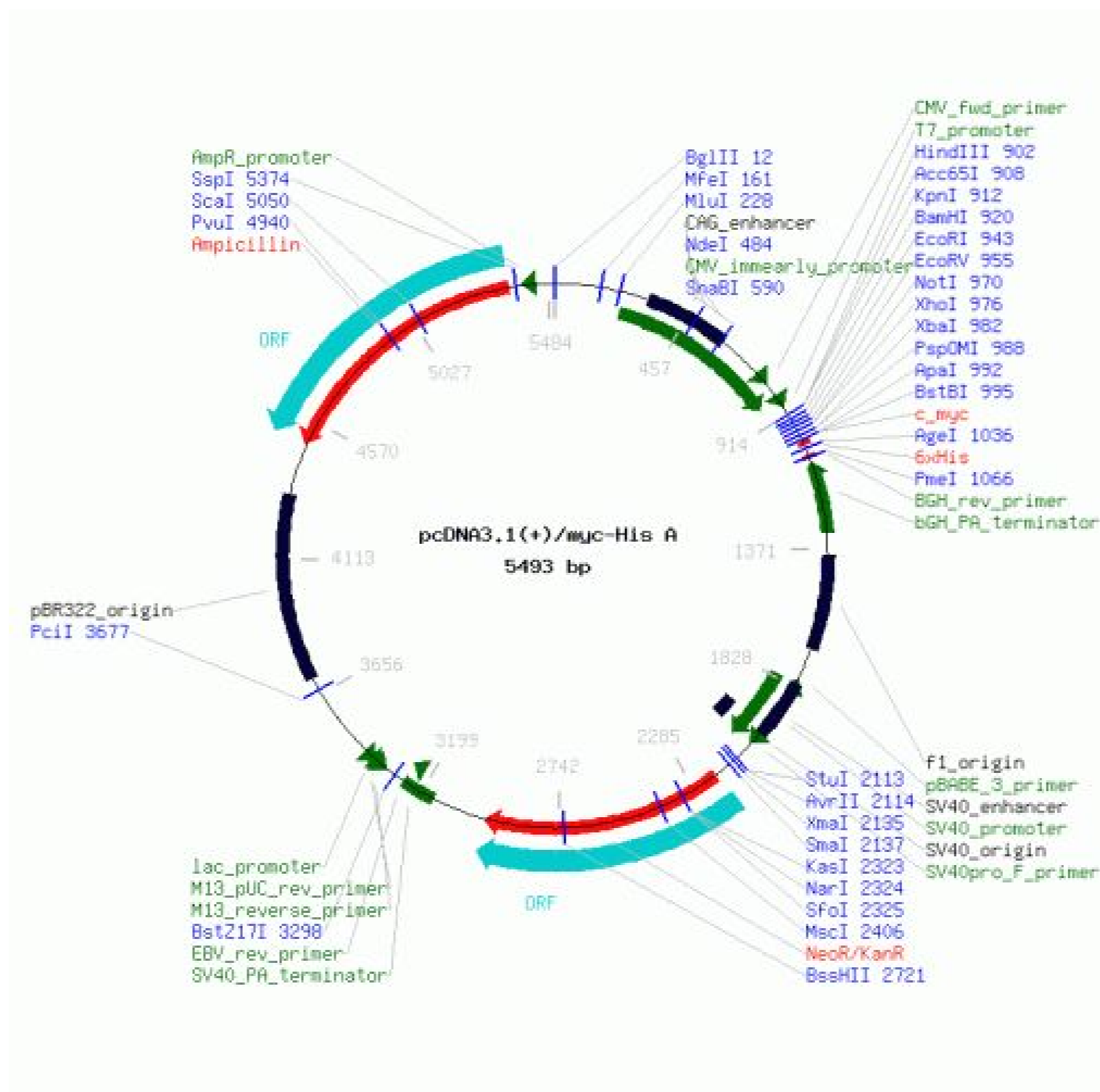
Promoter,
splice,
PolyA

CMV promoter

Comments

Reference

Wang, X., Song, X., Zhuo, W., Fu, Y., Shi, H., Liang, Y., Tong, M., Chang, G., and Luo, Y. (2009). Proc. Natl. Acad. Sci. USA 106, 21288-21293.



Construct number Date entered 5.4.12
 Constructed by Yongzhang Luo, Tsinghua University, Beijing Date constructed

PLASMID NAME

His-Myc-H-Hsp90(T90A)

bacterial marker Amp	parent vector pcDNA3.1(+)/myc-His A
vertebrate marker Neo (G418)	bacterial plasmid
eukaryotic replicon SV40 ori	other relevant source constructs

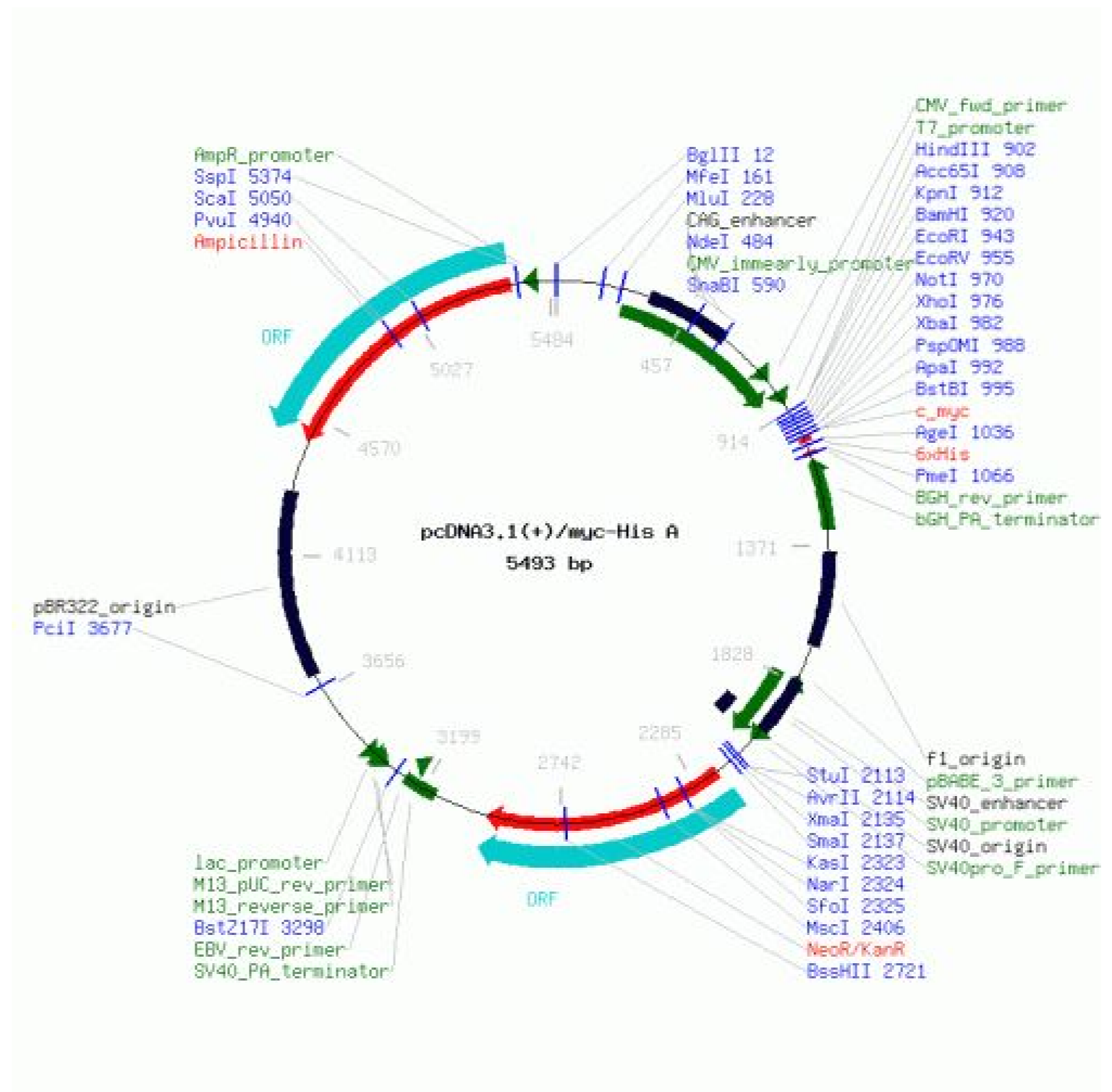
Inserts Full-length human Hsp90 alpha with the substitution T90A.
 N-terminal with His-Myc tags and C-terminal with Myc-His tags.

Reporter gene

Promoter, splice, PolyA CMV promoter

Comments

Reference Wang, X., Song, X., Zhuo, W., Fu, Y., Shi, H., Liang, Y., Tong, M., Chang, G., and Luo, Y. (2009). Proc. Natl. Acad. Sci. USA 106, 21288-21293.



Construct number

2425

Date entered

5.4.12

Constructed by

Yongzhang Luo, Tsinghua University, Beijing

Date constructed

PLASMID NAME

His-Myc-H-Hsp90(T90E)

bacterial marker Amp

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

pcDNA3.1(+)/myc-His A
bacterial plasmid

other relevant source constructs

Inserts

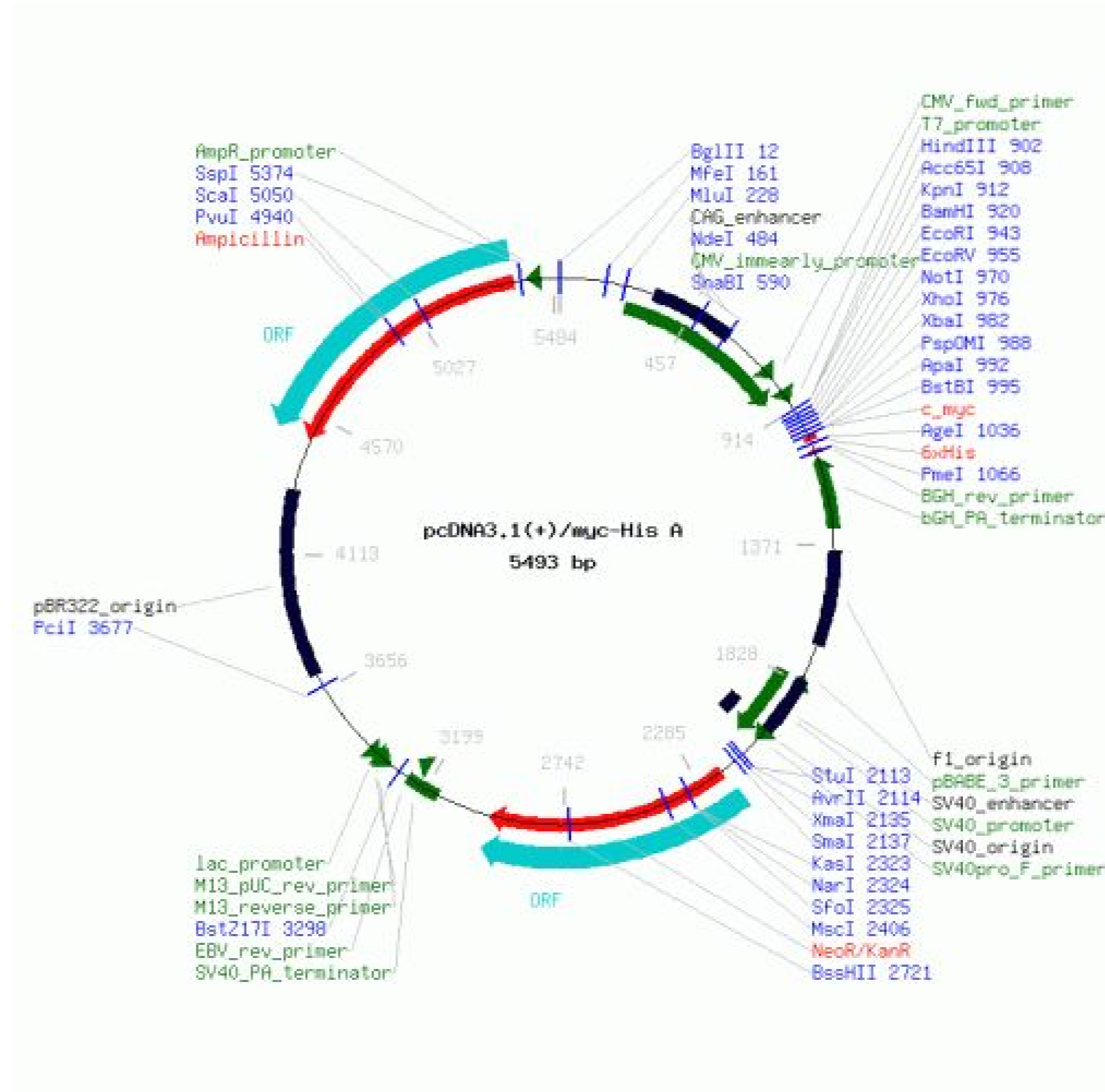
Full-length human Hsp90 alpha with the substitution T90E.
N-terminal with His-Myc tags and C-terminal with Myc-His tags.

Reporter gene

Promoter, splice, PolyA
CMV promoter

Comments

Reference Wang, X., Song, X., Zhuo, W., Fu, Y., Shi, H., Liang, Y., Tong, M., Chang, G., and Luo, Y. (2009). Proc. Natl. Acad. Sci. USA 106, 21288-21293.



Construct number

2426

Date entered

20.4.12

Constructed by

Targetingsystems

Date constructed

PLASMID NAME

pCMV-RedFLuc

bacterial marker Amp

parent vector

vertebrate marker Neo (G418)

bacterial plasmid

eukaryotic replicon SV40 ori

other relevant source constructs

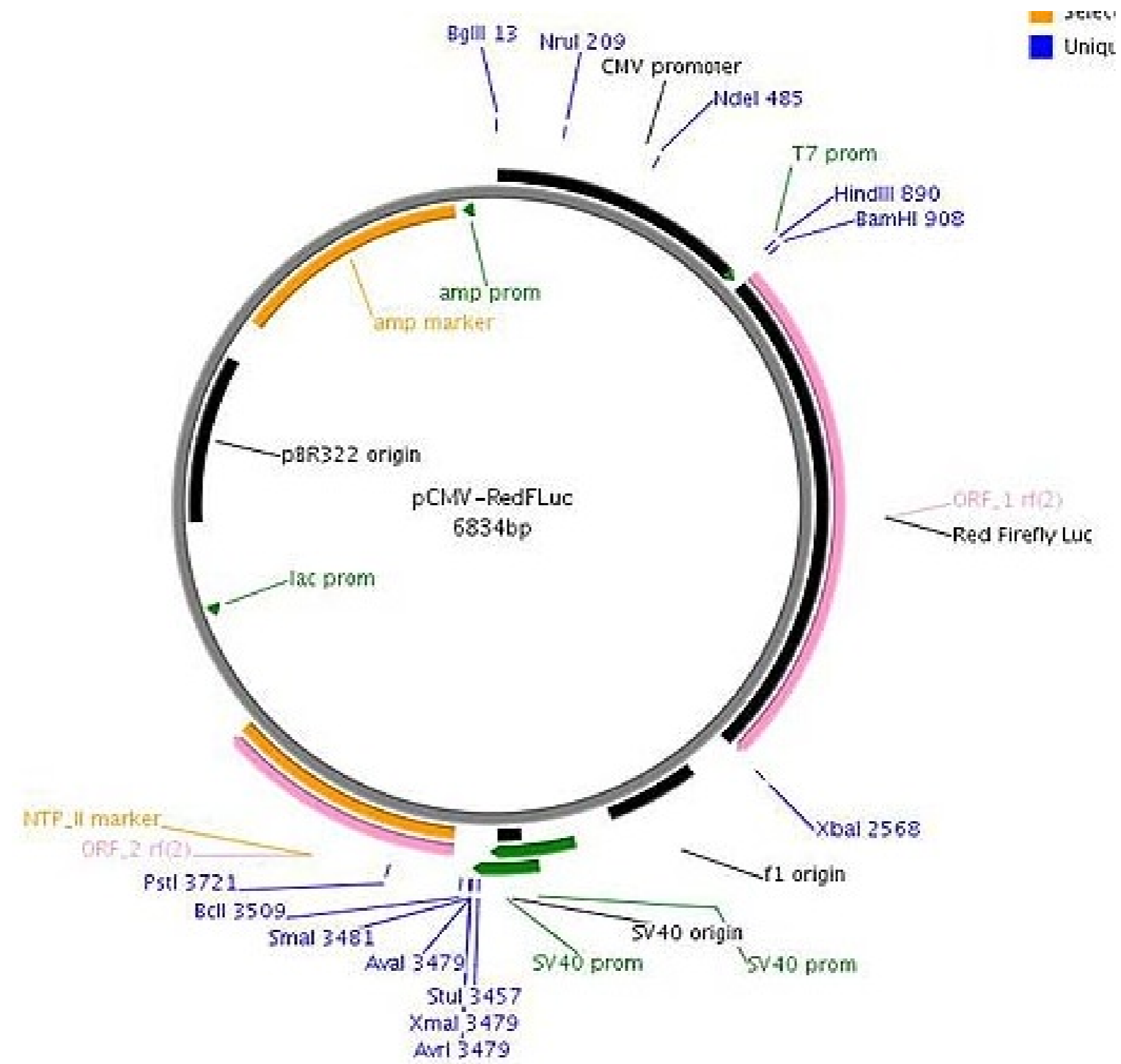
Inserts human codon-optimized red-emitting *Luciola italica* luciferase

Reporter gene

Promoter, splice, PolyA CMV enhancer/promoter T7

Comments - sequence available

Reference



Construct number 2427

Date entered 20.4.12

Constructed by Targetingsystems

Date constructed

PLASMID NAME

pCMV-RedSecFLuc

bacterial marker	Amp	parent vector	
vertebrate marker	Neo (G418)	bacterial plasmid	
eukaryotic replicon	SV40 ori	other relevant source constructs	

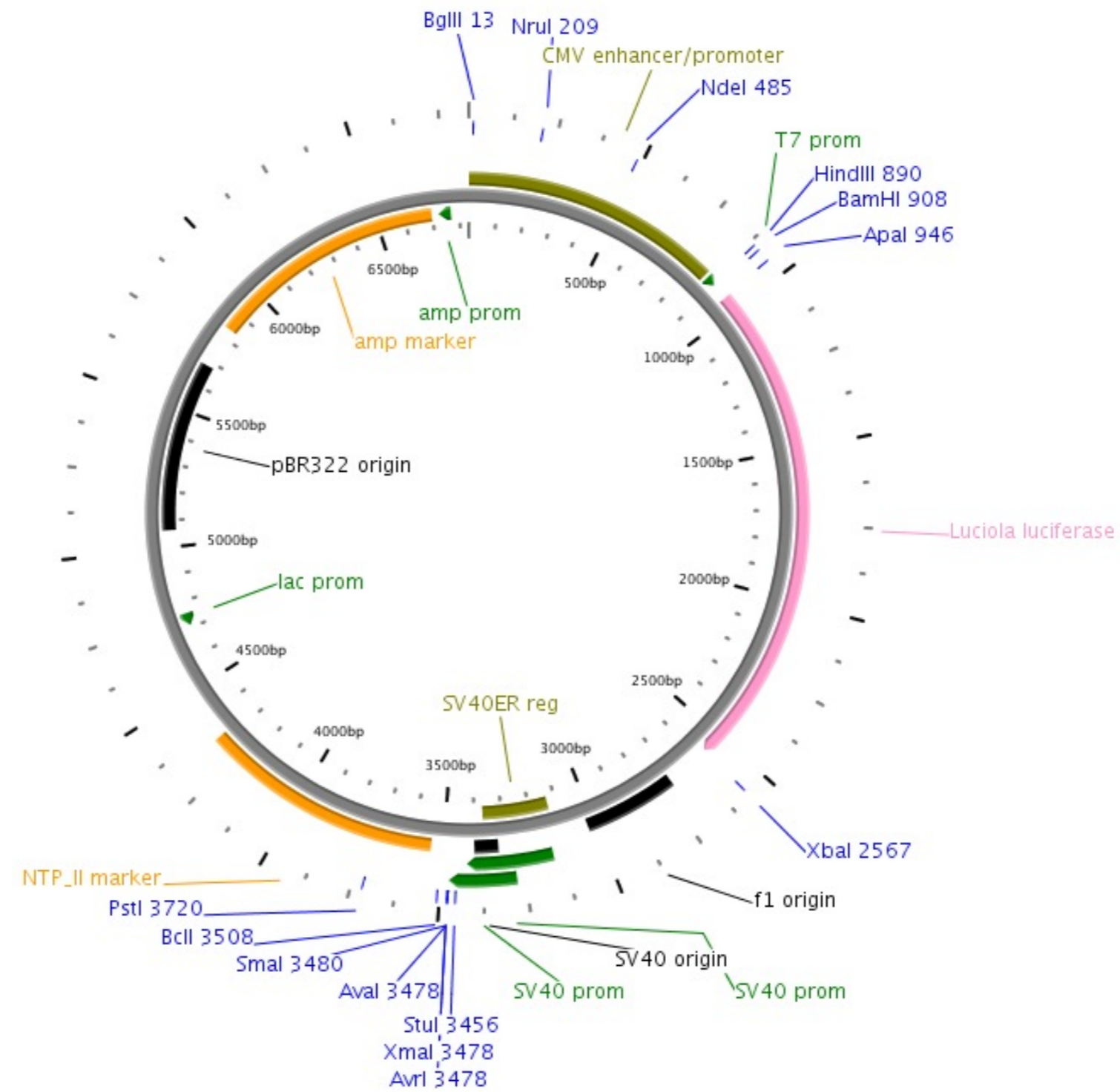
Inserts Secreted version of human codon-optimized red-emitting *Luciola italica* luciferase (contains N-terminal chymotrypsinogen signal sequence)

Reporter gene

Promoter, splice, PolyA CMV enhancer/promoter
T7

Comments - sequence available
- However: Our own sequencing shows that the sequence from Targetingsystems is wrong. It does not contain the chymotrypsinogen signal sequence, but something else, probably a total cloning artefact. By chance, some Fluc gets secreted anyway.

Reference



Construct number 2428

Date entered 15.5.12

Constructed by Pierre Savatier laboratory

Date constructed

PLASMID NAME

pPGK-lox-STOP-lox-EGFP

alternative name

pPGK LSL EGFP

bacterial marker Amp?

parent vector

bacterial plasmid

?

other relevant source constructs

Inserts EGFP separated from promoter by two loxP sites around a stuffer with stop codons

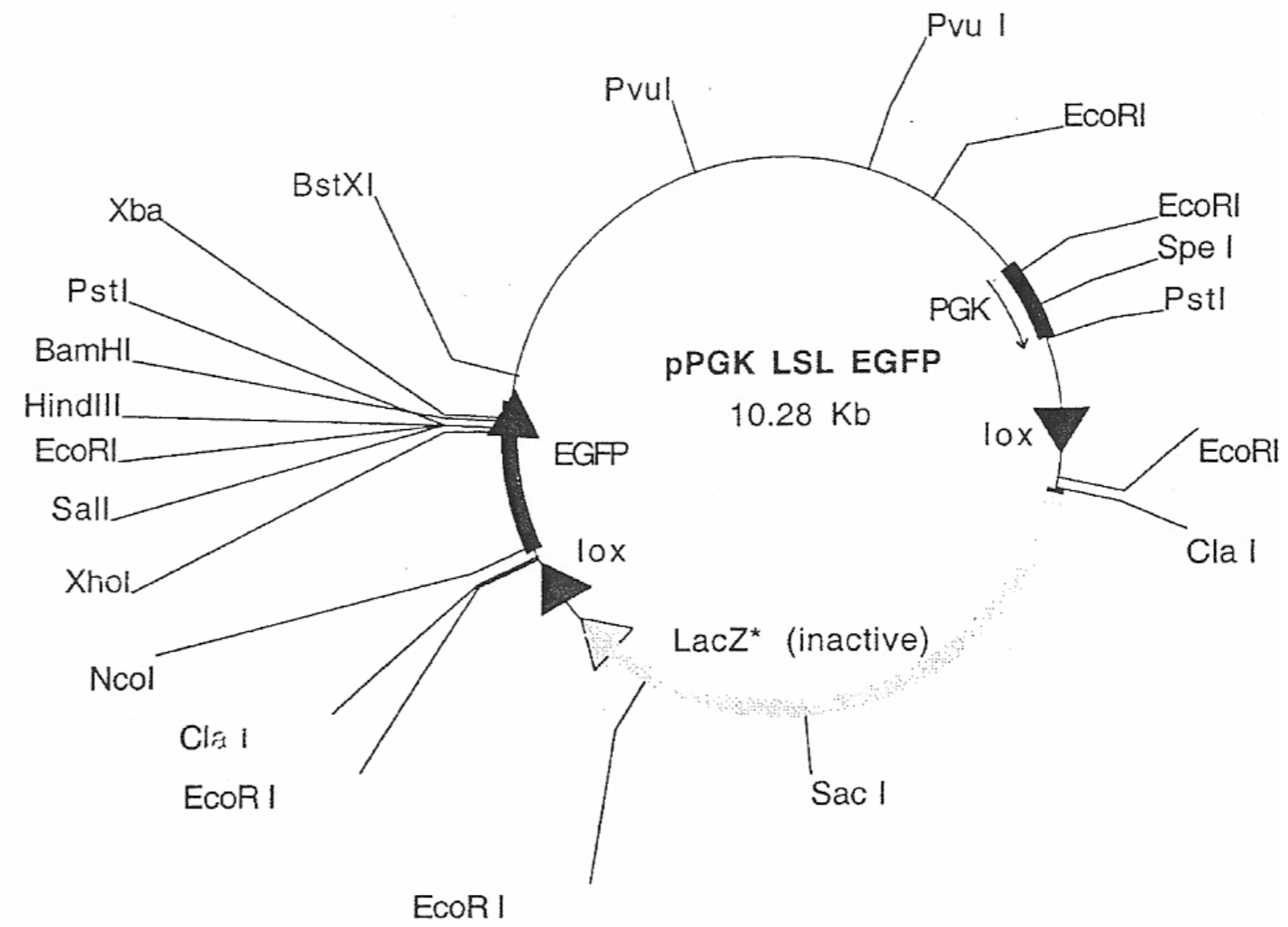
Reporter gene GFP

Promoter, splice, PolyA PGK

Comments - plasmid received from

- EGFP should only be expressed after Cre-mediated excision of the sequences between the two loxP sites.

Reference Vallier et al. (2001) PNAS 98, 2467



Construct number 2429

Date entered 21.5.12

Constructed by Kampinga lab

Date constructed

PLASMID NAME

Cyt/Nuc-superluc-eGFP

bacterial marker Kan

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector pEGFP-N1

bacterial plasmid pUC

other relevant source constructs pGL3

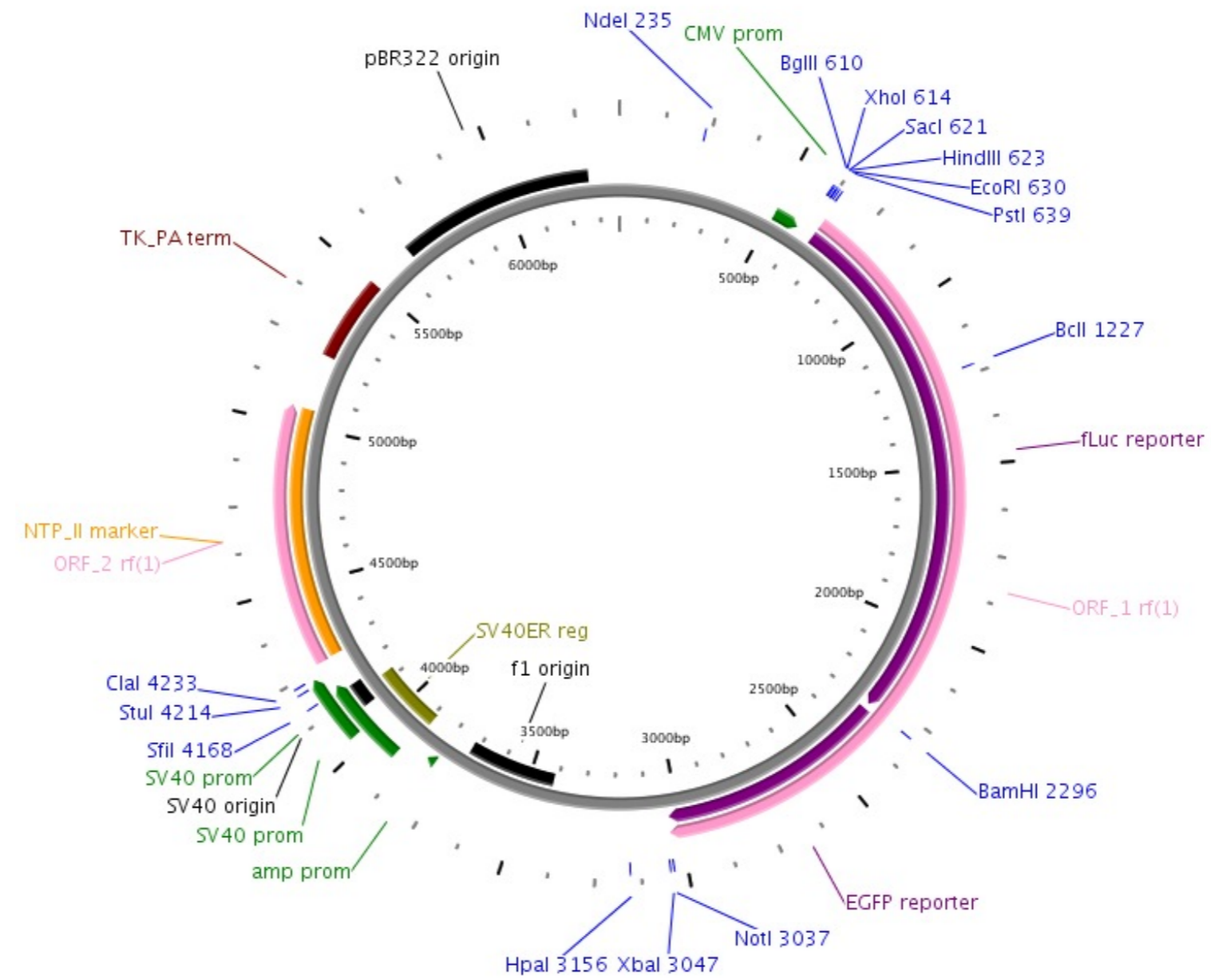
Inserts Firefly luciferase without C-terminal peroxisome targeting signal fused to EGFP

Reporter gene

Promoter, splice, PolyA - CMV enhancer and promoter
- SV40 poly A

Comments

Reference Hageman et al. (2007) JBC 282, 34334



Construct number

2430

Date entered

24.5.12

Constructed by

imaGenes-bio.de

Date constructed

PLASMID NAME

Vps11 IRATp970C0286D

bacterial marker Amp

parent vector

bacterial plasmid

pCMV-Sport6

other relevant source constructs

Inserts Vps11 cDNA

Reporter gene

Promoter,
splice,
PolyA

Comments

plasmid is in DH10B TonA bacteria.
PCR primers: 5s: RZPD sp6, 3s: RZPD T7
restriction enzymes: 5s: Sall, 3s: NotI

Reference

Construct number 2431

Date entered 21.6.12

Constructed by William Hahn, via Addgene

Date constructed

PLASMID NAME

pBABE-puro-largeTcDNA

<u>bacterial marker</u>	Amp	<u>parent vector</u>	pBABE-puro
<u>vertebrate marker</u>	Puromycin	<u>bacterial plasmid</u>	high copy
<u>eucaryotic replicon</u>	SV40 ori	<u>other relevant source constructs</u>	

Inserts SV40 large T-antigen in retroviral expression vector with puromycin marker

Reporter gene

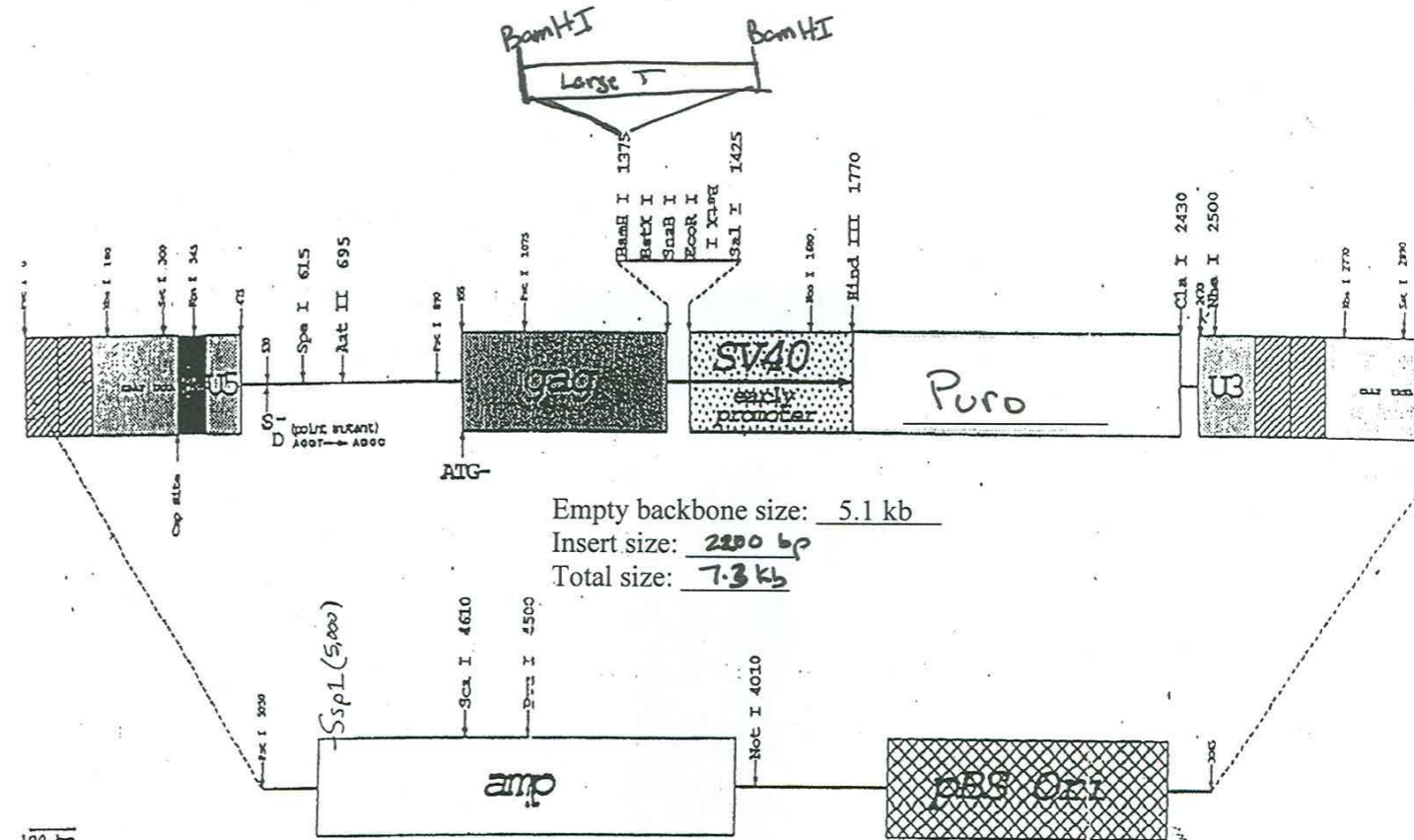
Promoter, - Moloney murine leukemia virus LTR
splice, - neo gene driven by internal SV40 enhancer / early promoter
PolyA

Comments - T-antigen sequences are on a 2.2 kb BamHI fragment.
- received from addgene.org (plasmid # 14088)

Reference for parent vector: Morgenstern JP, Land H., 1990, Nucleic Acids Research 18(12):3587-96

for this plasmid: Zhao et al. (2003) Cancer Cell 3, 483

pBabe-Puro-LT cDNA



Construct number 2432

Date entered 2.7.12

Constructed by Utpal Tatu's lab

Date constructed

PLASMID NAME

pRSET/PfHsp90-N

bacterial marker Amp

parent vector

pRSET-A

bacterial plasmid

pUC

other relevant source constructs

2402

Inserts His6 tag - Xpress epitope - EK cleavage site - Plasmodium falciparum Hsp90 N-terminal (codon 1-223)

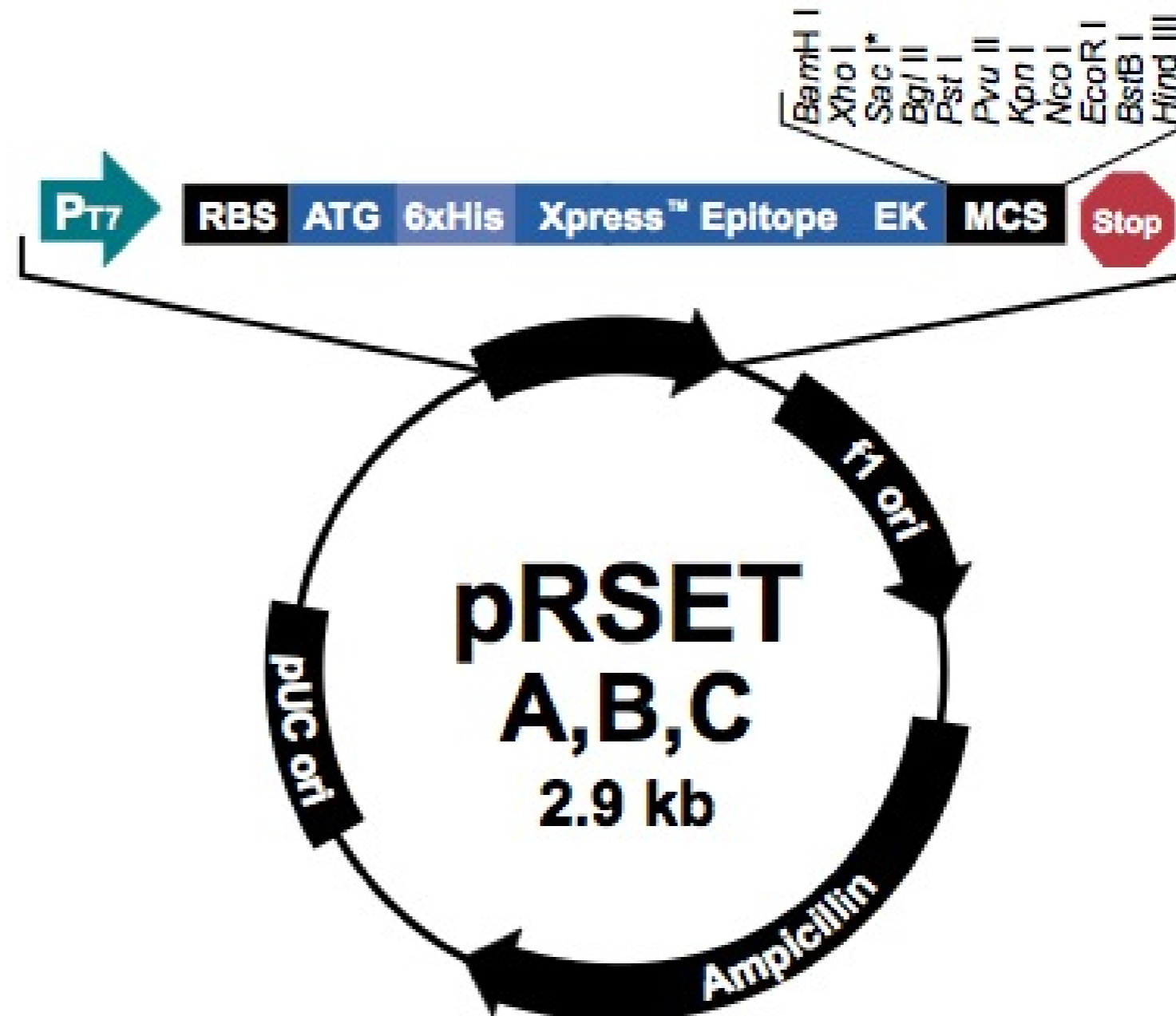
Reporter gene

Promoter, splice, PolyA T7

Comments - high copy bacterial expression vector with His6 tag
- map shows empty expression vector
- PfHsp90 N-terminal is cloned between BamHI and XhoI sites
- The sequence of the cDNA and surrounding region is available (from sequencing)

Reference This vector was built by the lab of Utpal Tatu and was not constructed as described in the reference below:

Wang, T., et al., Differences in Conformational Dynamics between Plasmodium falciparum and Human Hsp90 Orthologues Enable the



Construct number

2433

Date entered

16.7.12

Constructed by

Sigma aldrich

Date constructed

PLASMID NAME

sh1_mTRAP1

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1-puro

bacterial plasmid

other relevant source constructs

Inserts

shRNA against mouse TRAP1

```

Query 32 TAAGCCTGAGCAATATAACGGT 53
      |||
Sbjct 1001 TAAGCCTGAGCAATATAACGGT 980

```

Reporter gene

Promoter,
splice,
PolyA

Comments

Sequence:
CCGGCCGTTATATTGCTCAGGCTTACTCGAGTAAGCCTGAGCAATATA
ACGGTTTTTG

Reference

Sigma Aldrich
TRCN0000112170

Construct number

2434

Date entered

16.7.12

Constructed by

Sigma Aldrich

Date constructed

PLASMID NAME

sh2_mTRAP1

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1-puro

bacterial plasmid

other relevant source constructs

Inserts shRNA against mouse TRAP1

```
Query 32 ATATCCTCCTTGATGCTTGCT 53
      |||
Sbjct 1427 ATATCCTCCTTGATGCTTGCT 1406
```

Reporter gene

Promoter,
splice,
PolyA

Comments

Sequence:
CCGGGCAAGACATCAAGGAGGATATCTCGAGATATCCTCCTTGATG
CTTGCTTTTTG

Reference

Sigma Aldrich
TRCN0000112171

Construct number

2435

Date entered

16.7.12

Constructed by

Sigma Aldrich

Date constructed

PLASMID NAME

sh3_mTRAP1

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1-puro

bacterial plasmid

other relevant source constructs

Inserts shRNA against mouse TRAP1

Query	27	TCGAGA-TAGACTTCAACCTTGT	CAGCT	53
Sbjct	696	TCGAGAATAGACTTCAACCTTGT	CAGCT	669

Reporter gene

Promoter,
splice,
PolyA

Comments Sequence:
CCGGGCTGACAAGGTTGAAGTCTATCTCGAGATAGACTTCAACCTTGT
CAGCTTTTGT

Reference Sigma Aldrich
TRCN0000112172

Construct number

2436

Date entered

16.7.12

Constructed by

Sigma Aldrich

Date constructed

PLASMID NAME

sh4_mTRAP1

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1-puro

bacterial plasmid

other relevant source constructs

Inserts

shRNA against mouse TRAP1 **THIS GIVES THE BEST KD**

Query 31 GTTAATCCGCTTTCCATTAAGGT 53

Sbjct 915 GTTAATCCGCTTTCCATTAAGGT 893

Reporter gene

Promoter,
splice,
PolyA

Comments

Sequence:
CCGGCCTTAATGGAAAGCGGATTAAC TCGAGTTAATCCGCTTTCCATT
AAGGTTTTTG

Reference

Sigma Aldrich
TRCN0000112173

Construct number

2437

Date entered

16.7.12

Constructed by

Sigma Aldrich

Date constructed

PLASMID NAME

sh5_mTRAP1

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1-puro

bacterial plasmid

other relevant source constructs

Inserts

shRNA against mouse TRAP1

Query 32 TAGTGCATTTCTCATCCACGC 52

Sbjct 1806 TAGTGCATTTCTCATCCACGC 1786

Reporter gene

Promoter,
splice,
PolyA

Comments

Sequence:

CCGGGCGTGGATGAGAAATGCACTACTCGAGTAGTGCATTTCTCATC
CACGCTTTTTG

Reference

Sigma Aldrich
TRCN0000112174

Construct number

2438

Date entered

19.7.12

Constructed by

David J. Kwiatkowski, Brendan

Date constructed

PLASMID NAME

pcDNA3 Flag TSC2

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

pcDNA3-Flag

bacterial plasmid

other relevant source constructs

Inserts H. sapiens TCS2 (Tuberin)

Reporter gene

Promoter,
splice,
PolyA

Comments

High copy
Flag was cloned between HindIII and BamHI of pcDNA3

Reference

Addgene: 14129
Identification of the tuberous sclerosis complex-2 tumor suppressor gene product tuberin as a target of the phosphoinositide 3-kinase/akt pathway. Manning et al (Mol Cell. 2002 Jul . 10(1):151-62

Construct number

2439

Date entered

19.7.12

Constructed by

Mike Nichols / Sima Zacharec (via

Date constructed

2001

PLASMID NAME

pcDNA3-myc3-Tsc1

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector
pcDNA3-myc

bacterial plasmid

other relevant source constructs

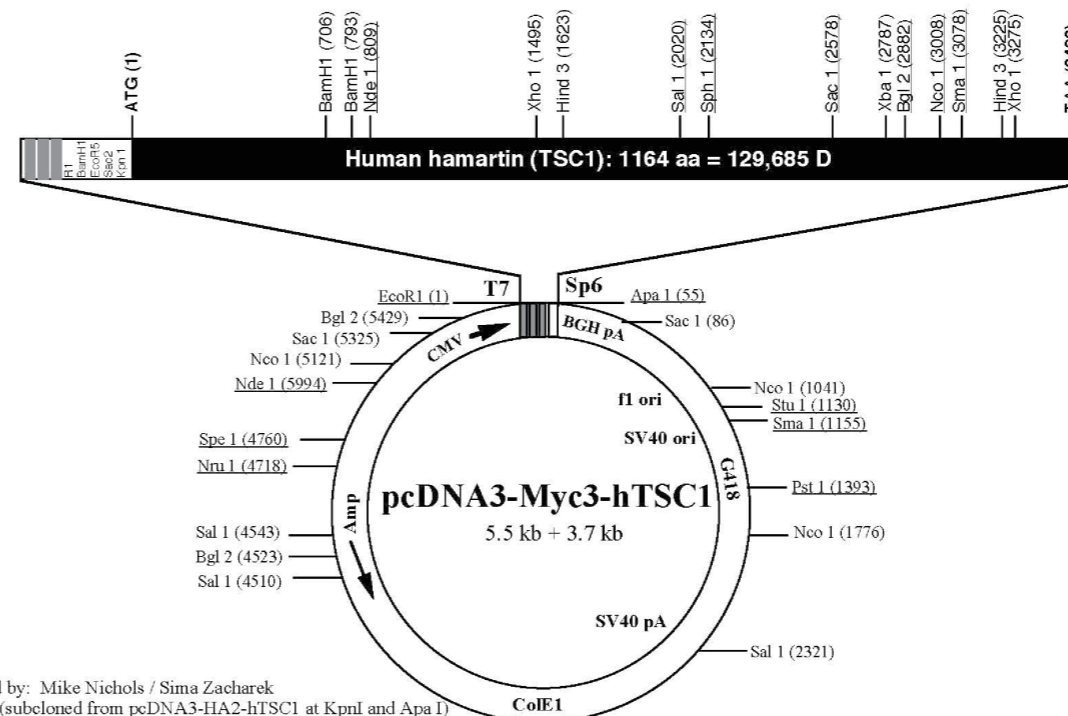
Inserts H. sapiens Tsc1 (Tuberous sclerosis 1) full length

Reporter gene

Promoter, splice, PolyA
Phage T7 promoter for in vitro translation
CMV promoter for expression in mammalian cells

Comments High copy
N terminal 3 tandem copies of Myc tag

Reference Addgene: 19955
14-3-3beta binds to and negatively regulates the tuberous sclerosis complex 2 (TSC2) tumor suppressor gene product, tuberin. Shumway et al (J Biol Chem. 2003 Jan 24. 278(4):2089-92



Constructed by: Mike Nichols / Sima Zacharec
Date: 2001 (subcloned from pcDNA3-HA2-hTSC1 at KpnI and ApaI)
Sequencing confirmation by: Chad McCall using CMV1 and Sp6 primers
Map drawn: Yue Xiong
Insert: full length human hamartin (TSC1)
Features:
(1) Phage T7 promoter for in vitro translation
(2) CMV promoter for expression in mammalian cells
(3) N-terminal 3 tandem copies of Myc tag
(4) Following enzymes do NOT cut pcDNA3-Myc3 vector: ClaI, HpaI, NheI, NotI, SfiI
(5) Following enzymes do not cleave hTSC1 insert:
ApaI, ClaI, EcoR5, KpnI, NheI, NotI, NsiI, Sac2, SpeI, StuI,
(5) Complete nucleotide sequence available in "Plasmid & Seq" folder

Construct number

2440

Date entered

13.8.12

Constructed by

McMahon lab

Date constructed

PLASMID NAME

pBABE-puro Δ Raf1:ER*

bacterial marker Amp

vertebrate marker Puromycin

eukaryotic replicon SV40 ori

parent vector

pBABE-puro

bacterial plasmid

high copy

other relevant source constructs

Inserts

N-terminally deleted (constitutive) Raf1 fused to estrogen receptor α hormone binding domain (with estrogen-resistant mutation G525R) of mouse (!).

According to map, Raf1 may be the catalytically more active mutant Y340D/Y341D (= DD).

However, our own sequencing shows that sites at the 3' end of the HBD are not correct (see partial sequence).

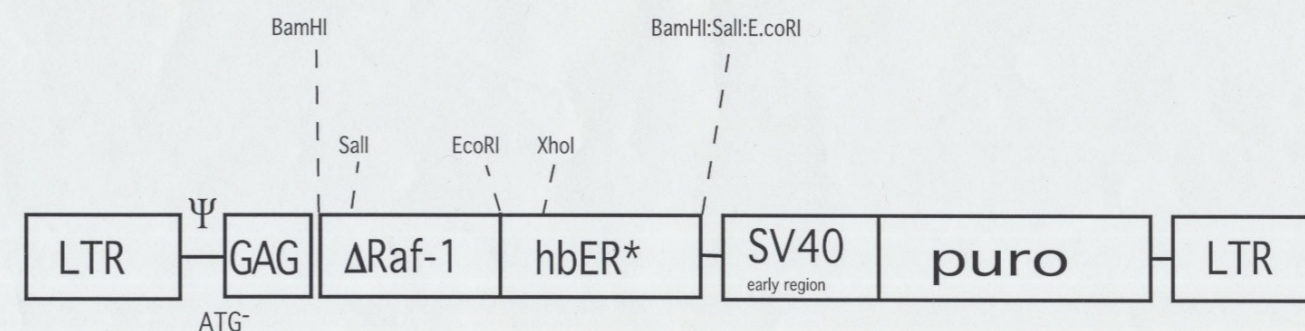
Reporter gene

Promoter, splice, PolyA Retroviral expression vector with puromycin marker

Comments - can be activated with hydroxytamoxifen (OHT)

Reference - for vector: Morgenstern & Land (90) NAR 18, 3587-3596
- for this plasmid: Woods et al. (1997) MCB 17, 5598
- plasmid is from McMahon lab, received via Halazonetis lab

pBabepuro Δ Raf-1:ER* [YY] and [DD]
(pBP Δ Raf-1:hbER*)



Encodes amp resistance in E.coli.

Unique sites for the removal of Δ Raf-1:ER* are BamHI at the 5' and 3' ends.

Δ Raf-1:ER* is ~2.0kb. (BamHI-BamHI)

The BamHI-EcoRI fragment encoding Δ Raf-1 is ~1.0kb

The E.coRI-BamHI fragment of hbER* is ~1.0kb

XhoI or Sall should be diagnostic for orientation

Construct number

2441

Date entered

13.8.12

Constructed by

McMahon lab

Date constructed

PLASMID NAME

pBABE-puro EGFP- Δ Raf1:ER*

bacterial marker Amp

vertebrate marker Puromycin

eukaryotic replicon SV40 ori

parent vector

pBABE-puro

bacterial plasmid

high copy

other relevant source constructs

Inserts

EGFP fused to N-terminally deleted (constitutive) Raf1 fused to estrogen receptor α hormone binding domain (with estrogen-resistant mutation G525R) of mouse (!).

According to map, Raf1 may be the catalytically more active mutant Y340D/Y341D (= DD).

However, our own sequencing of pBABE-puro- Δ Raf1:ER* shows that sites at the 3' end of the HBD are not correct (see partial sequence).

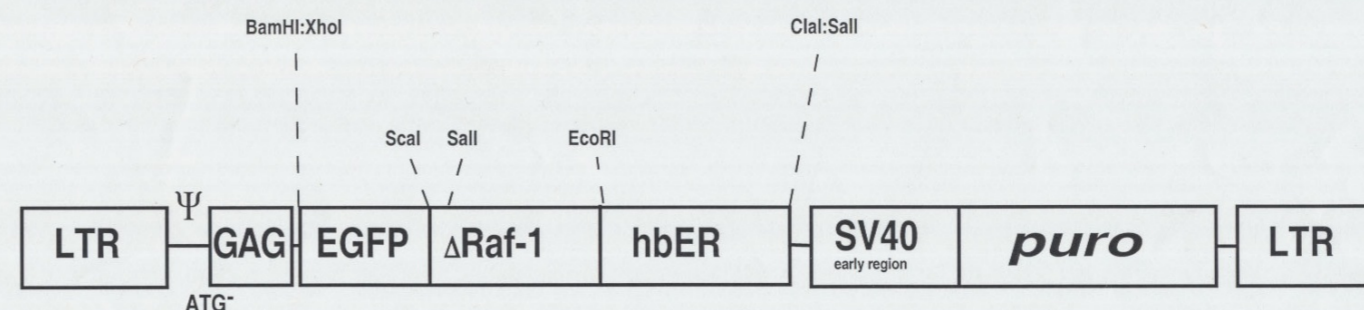
Reporter gene

Promoter, splice, PolyA Retroviral expression vector with puromycin marker

Comments - can be activated with hydroxytamoxifen (OHT)

Reference - for vector: Morgenstern & Land (90) NAR 18, 3587-3596
- plasmid itself is from McMahon lab, received via Halazonetis lab

pBabepuro3 EGFP Δ Raf-1:ER [YY and DD]
NB EGFP is the brightest GFP to date
(pBP3 EGFP Δ Raf-1:ER [YY and DD])



Encodes amp resistance in E.coli.
Unique sites for the removal of EGFP Raf-1:ER are XhoI at the 5' end and ClaI at the 3' end.
EGFP Raf-1:ER is ~2.7kb. (BamHI XhoI-ClaI)
The XhoI-Scal fragment encoding GFP is ~750bp
The Scal-EcoRI fragment encoding Raf-1 is ~1.0kb
The EcoRI-ClaI fragment of hbER is ~1.0kb

Note that the [YY] form of Raf-1 is less active than the [DD] form.
For more information consult:
Bosch et al., Oncogene 10: 1021-1033
Zhu J et al., Genes. Dev. 12: 2997-3007
Woods et al., Mol. Cell Biol. 17: 5598-5611.

DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Diana Wider

Date entered 22.8.12
 Date constructed 08/2012

PLASMID NAME

pRS313/ULPLU

bacterial marker Amp	parent vector pRS313
yeast marker HIS3	bacterial plasmid Bluescript
eucaryotic replicon CEN/ARS	other relevant source constructs intermediate clones containing PCR fragments of chromosomal copy in yeast

Inserts

- Cre recombination substrate (BamHI fragment in polylinker of pRS vector)
- 5' portion of URA3 ORF is disrupted after AUG by Phleo resistance marker in opposite orientation.

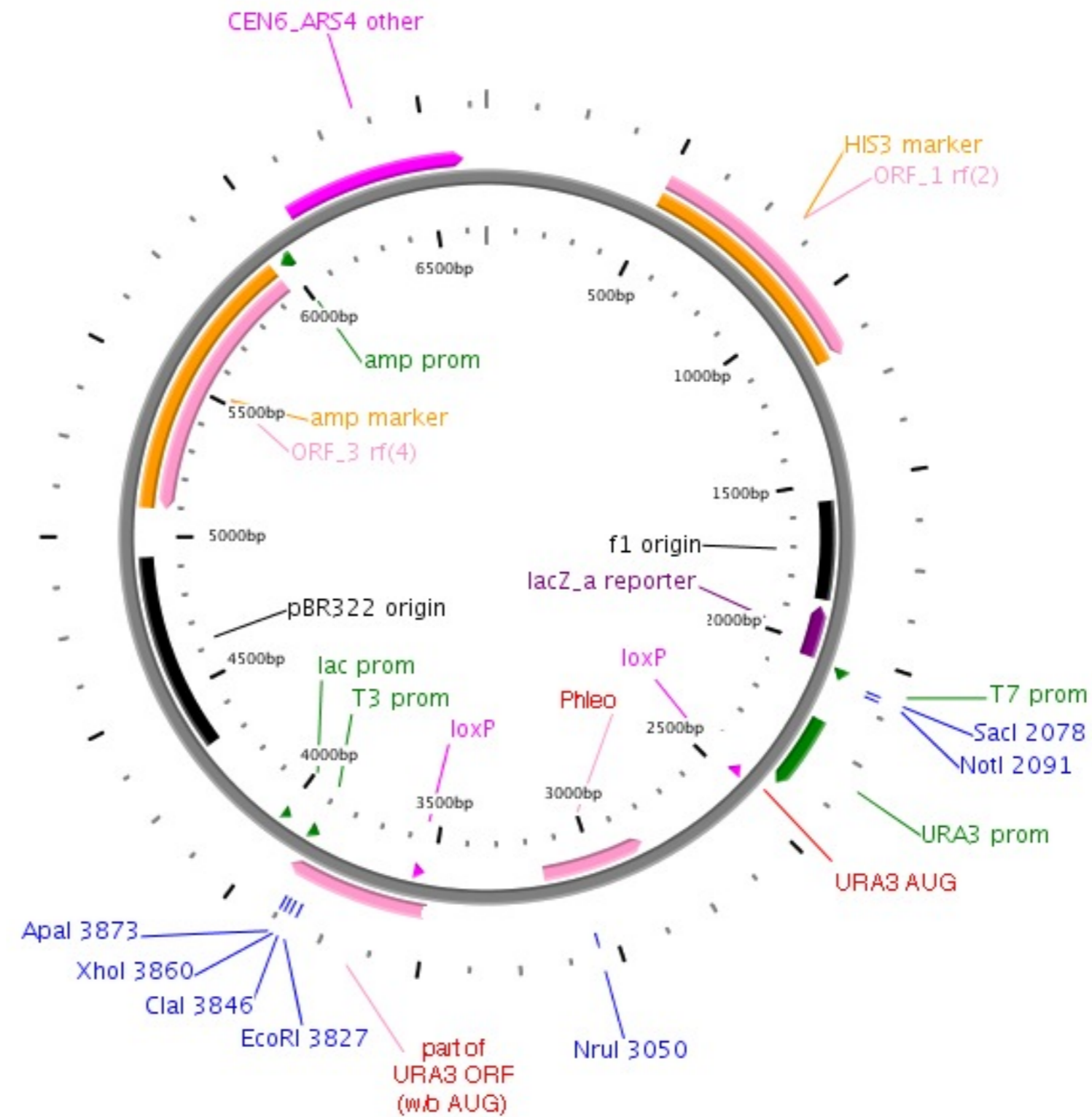
Reporter gene

Promoter, splice, PolyA

Comments

- low copy number yeast episomal vector
- sequence available (since it was obtained by cloning insert from genomic reporter in yeast, it contains several point mutations; one is in first loxP site, others are in irrelevant positions for recombination)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.8.12

Constructed by Diana Wider

Date constructed 08/2012

PLASMID NAME

pRS315/ULPLU

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon CEN/ARS

parent vector

pRS315

bacterial plasmid

Bluescript

other relevant source constructs

intermediate clones containing PCR fragments of chromosomal copy in yeast

Inserts

- Cre recombination substrate (BamHI fragment in polylinker of pRS vector)
- 5' portion of URA3 ORF is disrupted after AUG by Phleo resistance marker in opposite orientation.

Reporter gene

Promoter,
splice,
PolyA

Comments

- low copy number yeast episomal vector
- see map of pRS313/ULPLU for details on insert.
- sequence available (since it was obtained by cloning insert from genomic reporter in yeast, it contains several point mutations; one is in first loxP site, others are in irrelevant positions for recombination)

Reference

DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Didier Picard

Date entered 23.8.12
 Date constructed

PLASMID NAME

pTK-GLuc(M43I)

<u>bacterial marker</u> Amp	<u>parent vector</u>
<u>vertebrate marker</u> Neo (G418)	<u>bacterial plasmid</u> pUC
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts *Gaussia princeps* luciferase with M43I mutation (AA numbering relative to version without signal sequence)

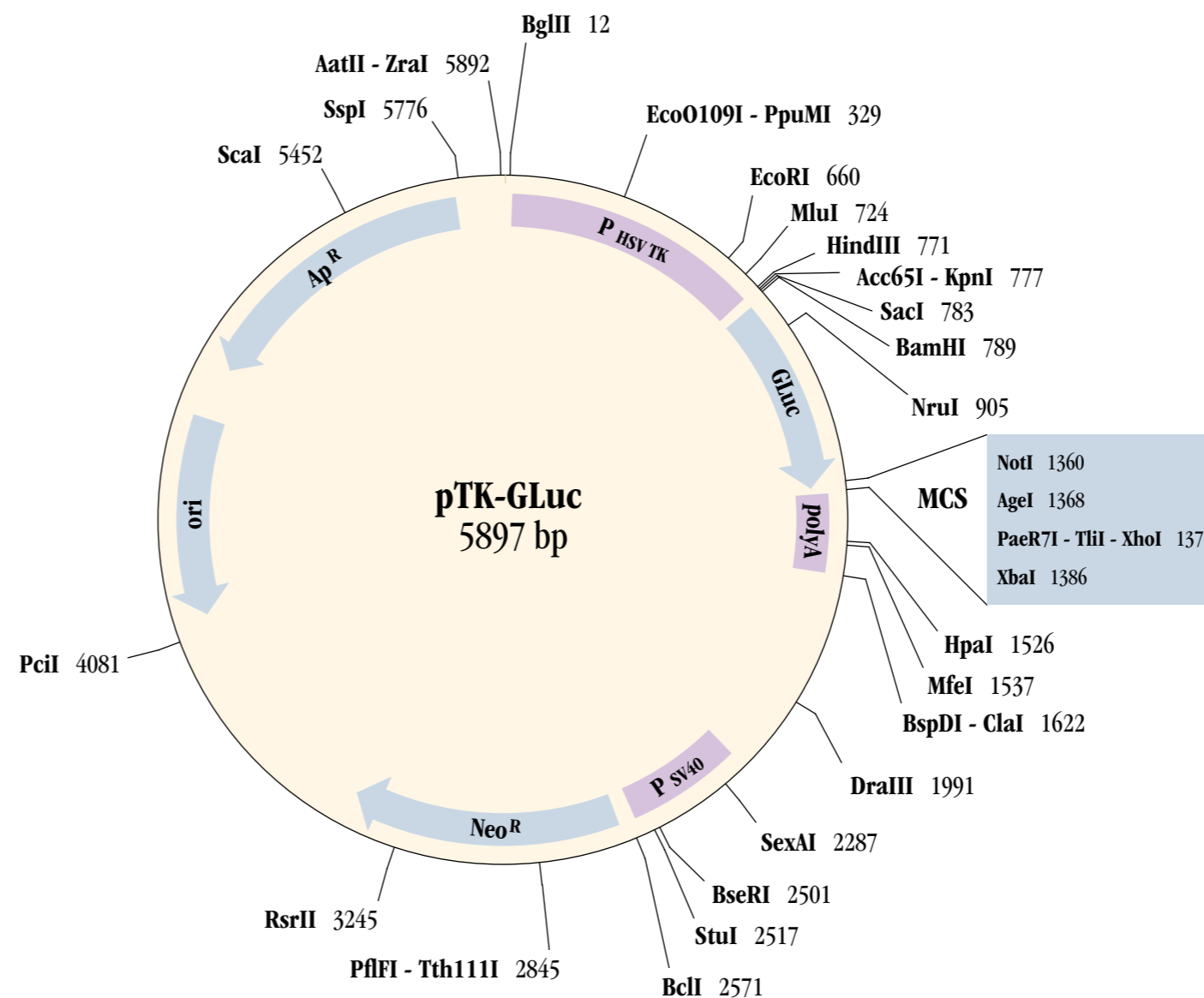
Reporter gene

Promoter, splice, PolyA TK promoter, poly A

Comments

- encodes a secreted luciferase
- mutant should be more detergent-resistant and better for glow luminescence acc. to Maguire et al. (2009) Anal. Chem. 81, 7102
- mutagenesis by Mutagenex
- sequence available

Reference



pTKGLuc Vector MCS

NotI AgeI XhoI XbaI
 GGGCCGGTGGTGACTAAGCGGCCGACCGGTCTCGAGCATGCATCTAGA

GLuc

Construct number

2445

Date entered

18.9.12

Constructed by

Date constructed

PLASMID NAME

pSG5-HA-CARM1(K471R)

bacterial marker Amp

parent vector
pSG5-HA-CARM1
bacterial plasmid

other relevant source constructs

Inserts full length mouse CARM1, N-terminally HA-tagged with point mutation K471R

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 23.11.12

Constructed by Lilia Bernasconi

Date constructed 11.2012

PLASMID NAME

pET/Hsp103N

alternative name

bacterial marker Amp	parent vector pET15b
	bacterial plasmid pBR322
	other relevant source constructs cloned from cDNA

Inserts His6-tag - thrombin cut site - 121 AA N-terminal extension of human Hsp90α (encoded by exons 1 and 2)

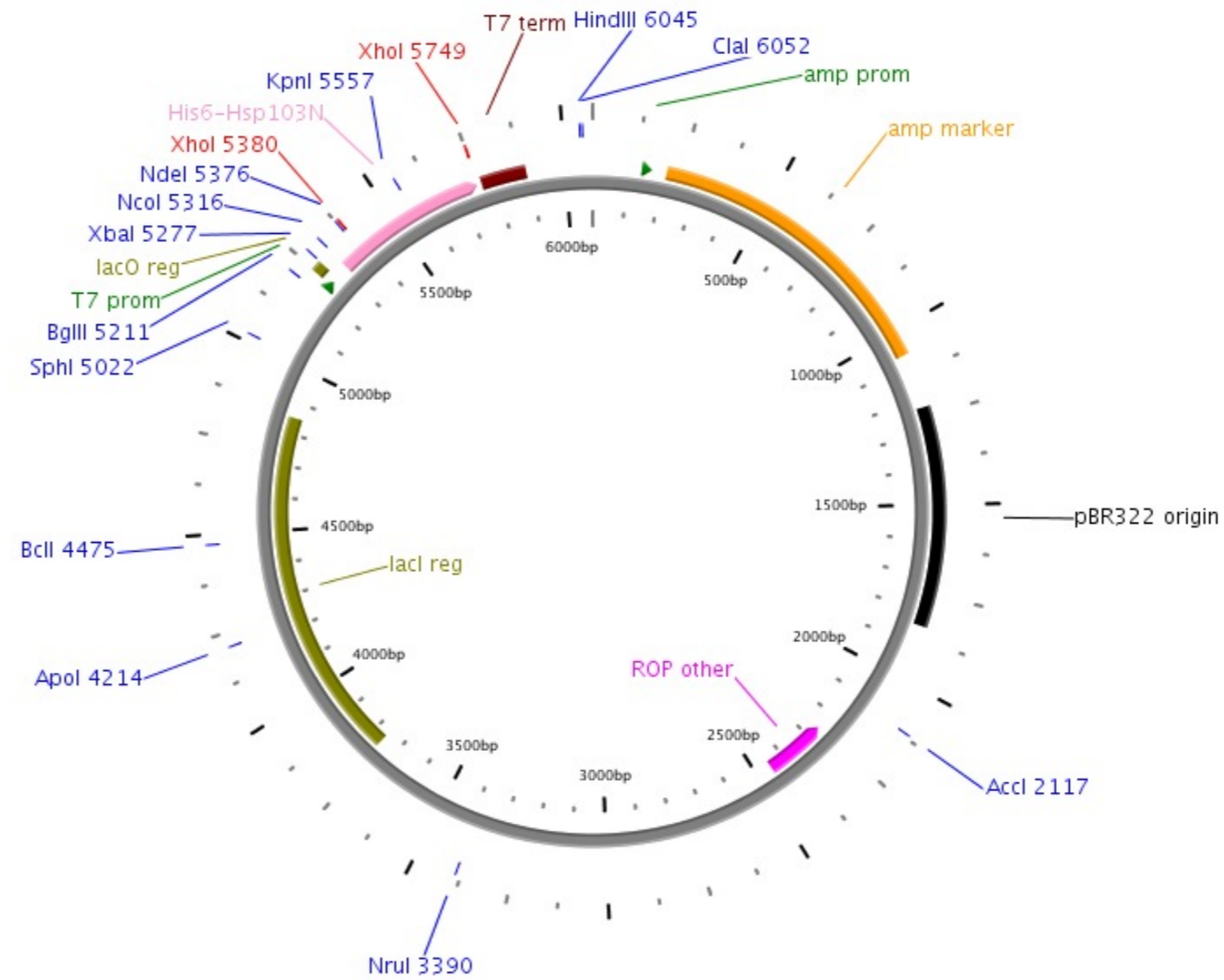
Plasmid carries lacI gene.

Reporter gene

Promoter, splice, PolyA T7 promoter, lac operator and T7 transcription terminator

Comments - E. coli expression vector
- sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Diana Wider

Date entered 18.12.12
 Date constructed 12.2012

PLASMID NAME

XTG

bacterial marker Amp	parent vector pTK-Gluc(M43I)
	bacterial plasmid BS(+)
	other relevant source constructs XTL

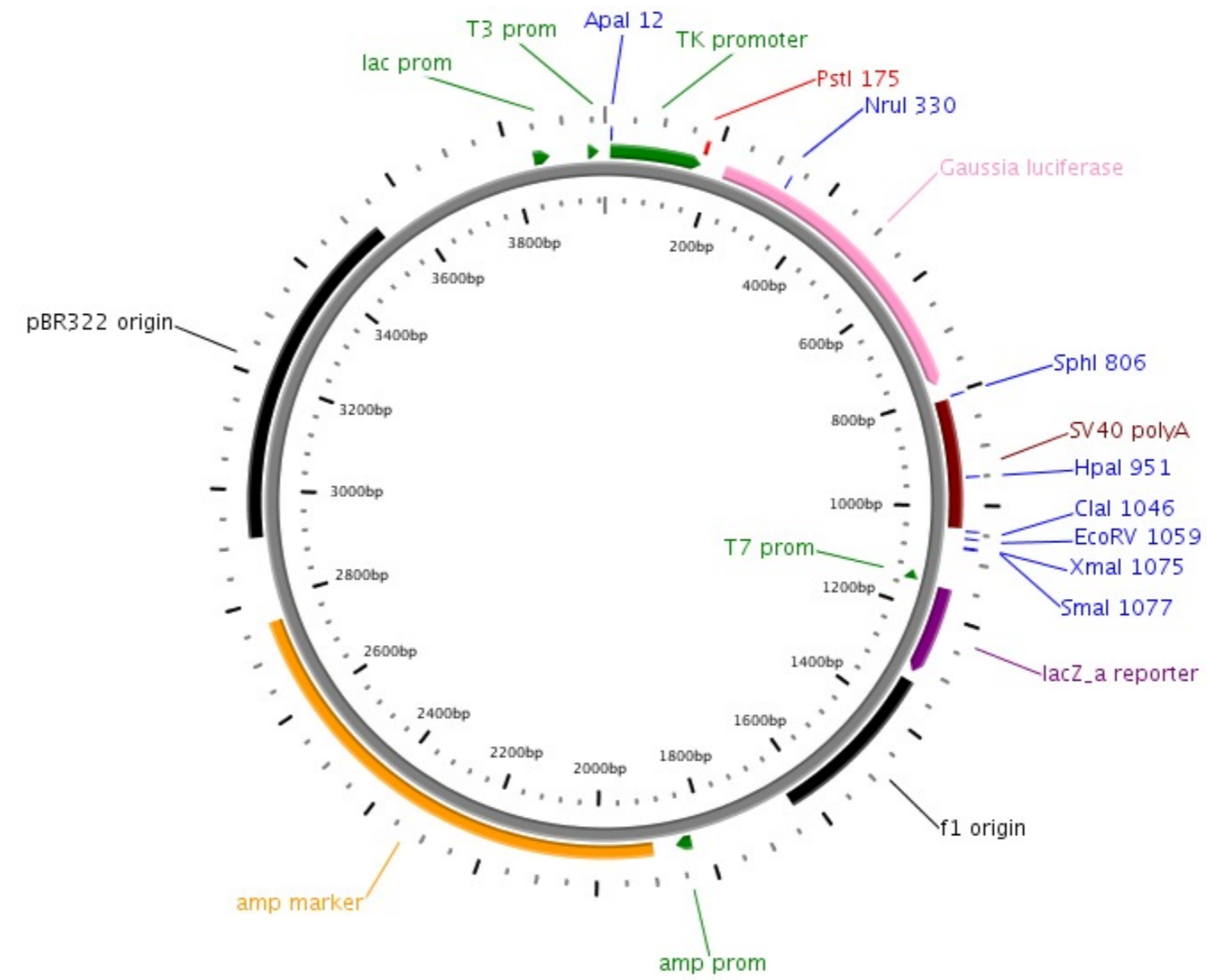
Inserts TK promoter - *Gaussia princeps* luciferase with M43I point mutation

Reporter gene

Promoter, splice, PolyA
 - TK promoter
 - SV40 polyA

Comments
 - encodes a secreted luciferase
 - equivalent of plasmid XTL
 - sequence available

Reference Wider, D., and Picard, D. (2017). Secreted dual reporter assay with *Gaussia* luciferase and the red fluorescent protein mCherry. PLoS ONE 12 e0189403.



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Diana Wider

Date entered 18.12.12
 Date constructed 12.2012

PLASMID NAME

XETG

bacterial marker Amp	parent vector pTK-Gluc(M43I)
	bacterial plasmid BS(+)
	other relevant source constructs XETL

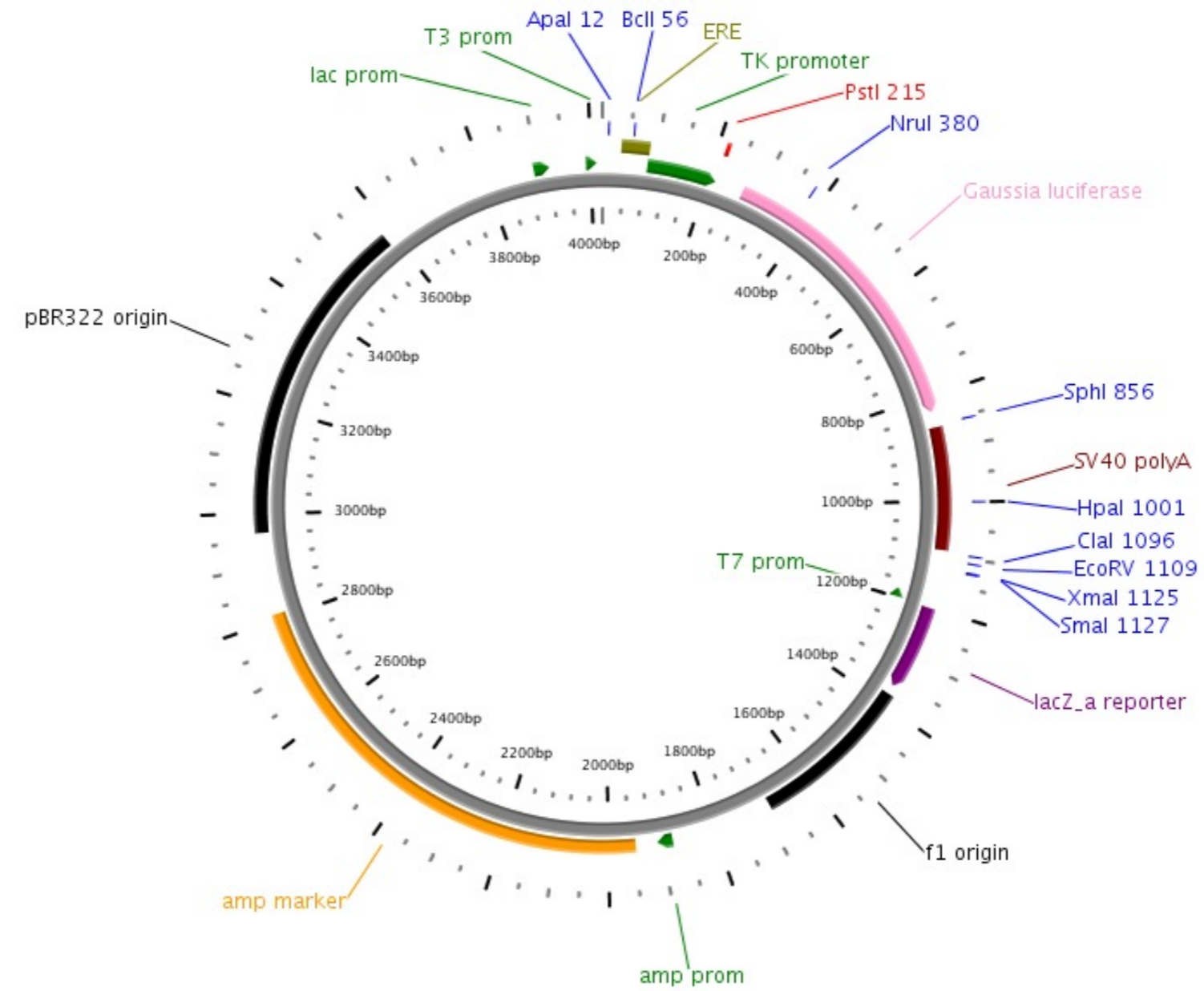
Inserts ERE upstream of TK promoter - *Gaussia princeps* luciferase with M43I point mutation

Reporter gene

Promoter, splice, PolyA
 - ERE from Xenopus vitellogenin A2 gene
 - TK promoter
 - SV40 polyA

Comments
 - encodes a secreted luciferase
 - equivalent of plasmid XETL
 - sequence available

Reference Wider, D., and Picard, D. (2017). Secreted dual reporter assay with *Gaussia* luciferase and the red fluorescent protein mCherry. PLoS ONE 12 e0189403.



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Diana Wider

Date entered 18.12.12
 Date constructed 12.2012

PLASMID NAME

XG46TG

bacterial marker Amp	parent vector pTK-Gluc(M43I)
	bacterial plasmid BS(+)
	other relevant source constructs XG46TL

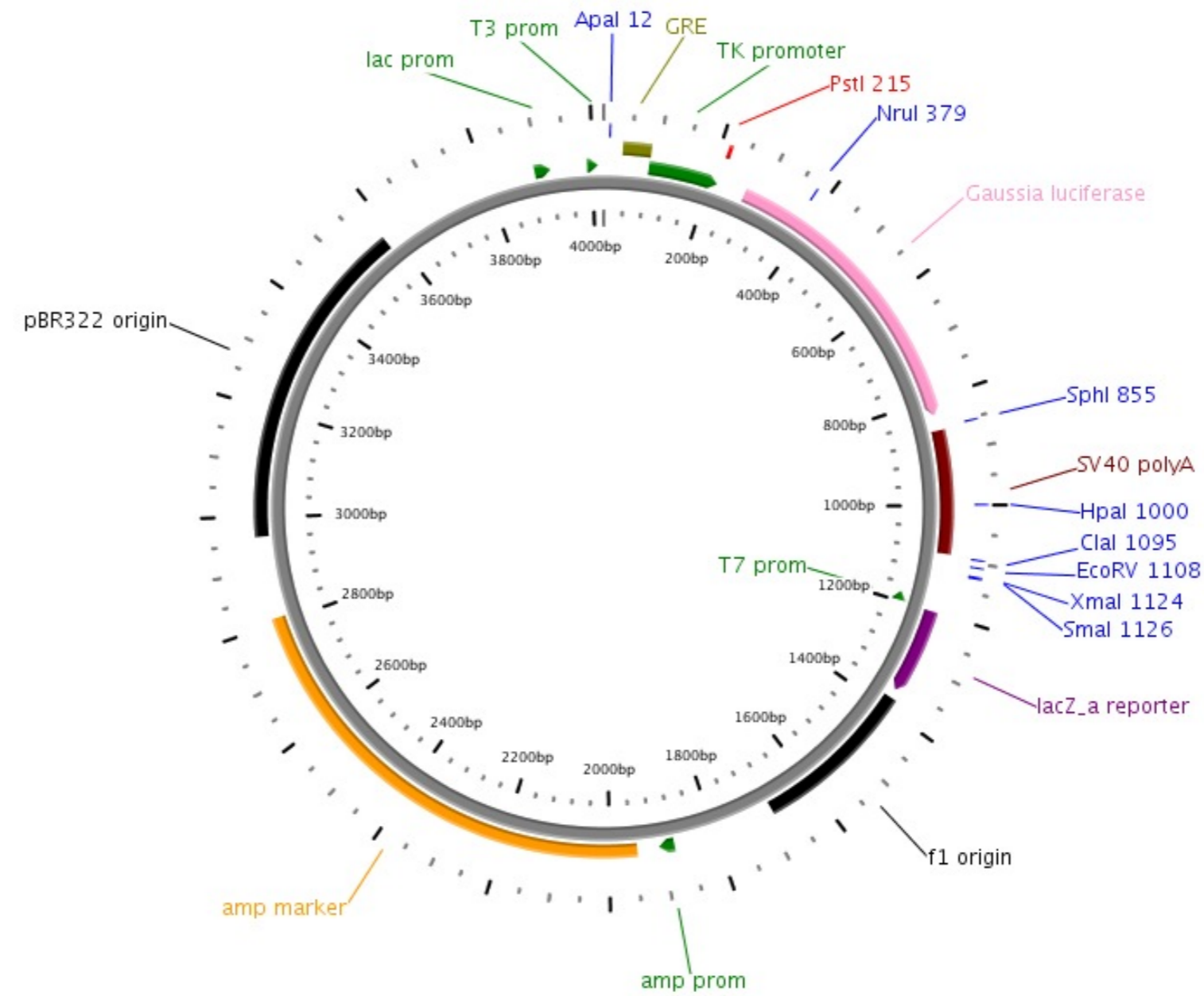
Inserts GRE upstream of TK promoter - *Gaussia princeps* luciferase with M43I point mutation

Reporter gene

Promoter, splice, PolyA
 - GRE: synthetic 46mer, dimer of footprint 1.5 of MMTV LTR.
 - TK promoter
 - SV40 polyA

Comments
 - encodes a secreted luciferase
 - equivalent of plasmid XG46TL
 - sequence available

Reference Wider, D., and Picard, D. (2017). Secreted dual reporter assay with *Gaussia* luciferase and the red fluorescent protein mCherry. PLoS ONE 12 e0189403.



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Diana Wider

Date entered 18.12.12
 Date constructed 12.2012

PLASMID NAME

XGalG

bacterial marker Amp	parent vector pTK-Gluc(M43I)
	bacterial plasmid pSP73
	other relevant source constructs GK1

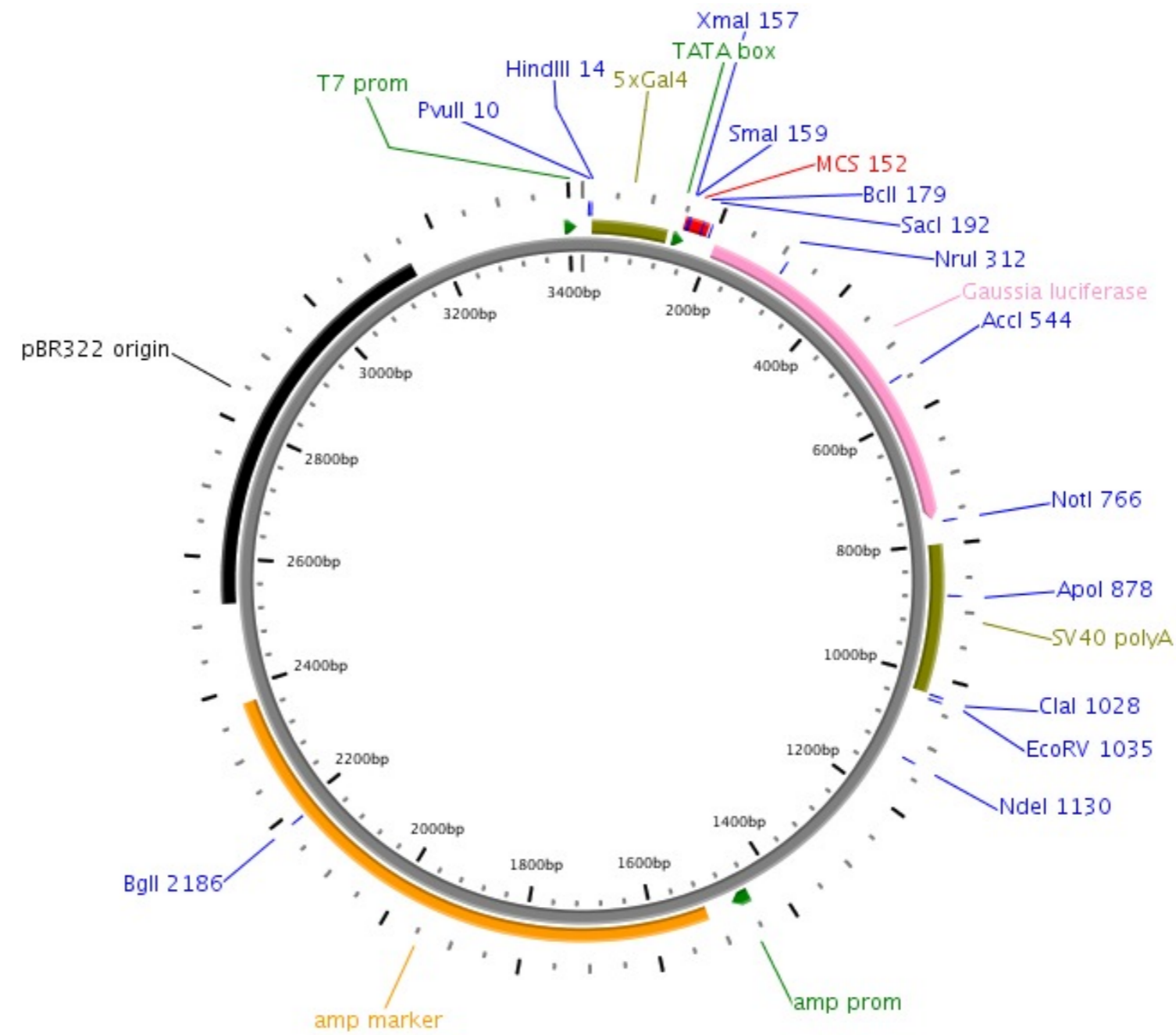
Inserts *Gaussia princeps* luciferase with M43I point mutation under the control of an erb-TATA and a 5XGAL4 enhancer (17mer)

Reporter gene

Promoter, splice, PolyA
 - Gal4 response elements (5x17mer)
 - TK promoter
 - SV40 polyA

Comments
 - encodes a secreted luciferase
 - equivalent of plasmid GK1
 - not sure whether cryptic AP-1 site of pUC backbone is not there
 - sequence available

Reference Wider, D., and Picard, D. (2017). Secreted dual reporter assay with *Gaussia* luciferase and the red fluorescent protein mCherry. PLoS ONE 12 e0189403.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.12.12

Constructed by Lilia Bernasconi

Date constructed 12.2012

PLASMID NAME

pET/EGH

alternative name

bacterial marker Amp

parent vector

pET-15b

bacterial plasmid

pBR322

other relevant source constructs

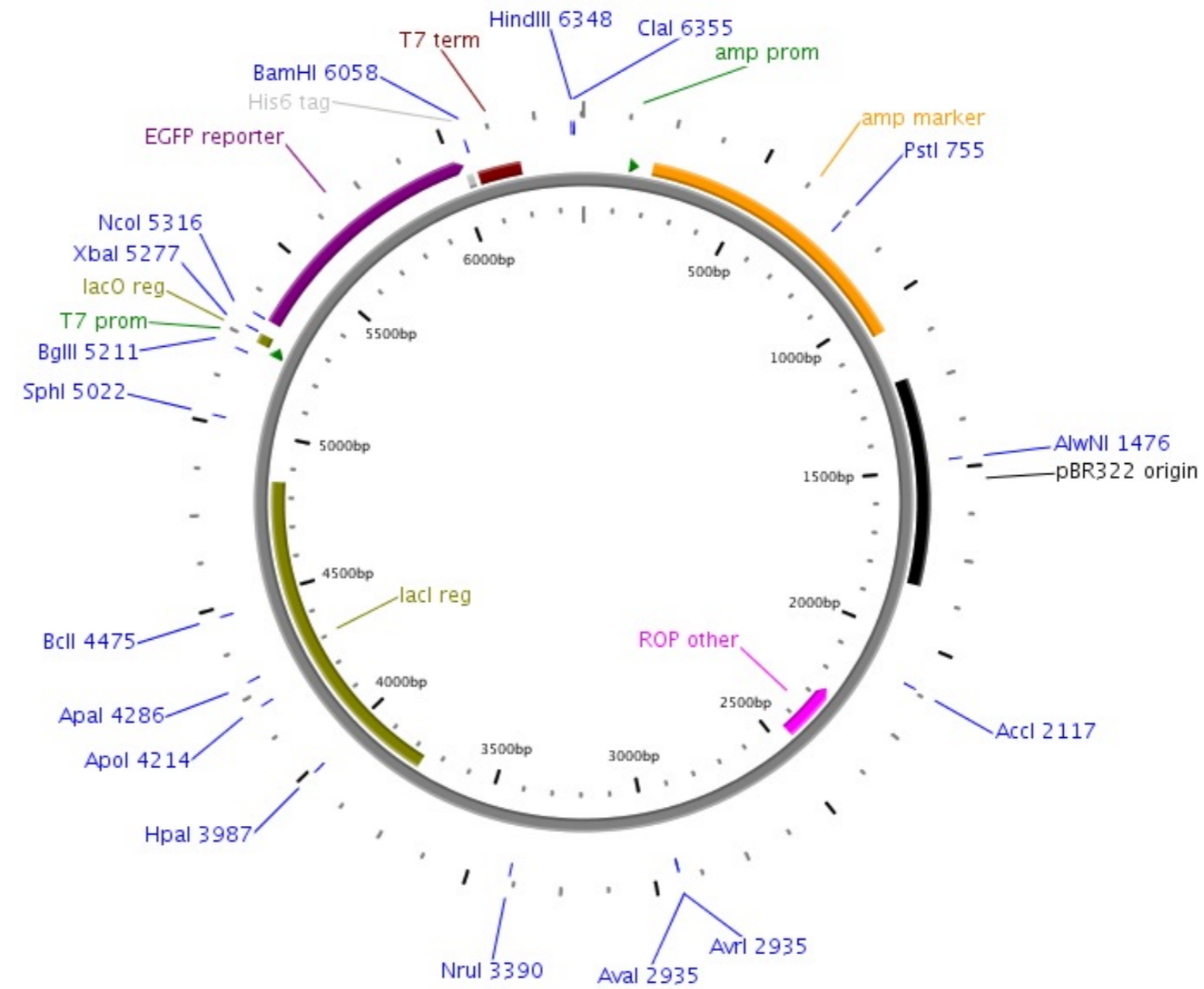
Inserts E. coli expression vector for EGFP with C-terminal His6 tag
Plasmid carries lacI gene.

Reporter gene

Promoter, splice, PolyA T7 promoter, lac operator and T7 transcription terminator

Comments - sequence available

Reference Bhattacharya K, Bernasconi L, Picard D. Luminescence resonance energy transfer between genetically encoded donor and acceptor for protein-protein interaction studies in the molecular chaperone HSP70/HSP90 complexes. **Sci Rep.** 2018 Feb 12;8(1):2801.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.12.12

Constructed by Lilia Bernasconi

Date constructed 12.2012

PLASMID NAME

pET/LEGH

alternative name

bacterial marker Amp

parent vector

pET-15b

bacterial plasmid

pBR322

other relevant source constructs

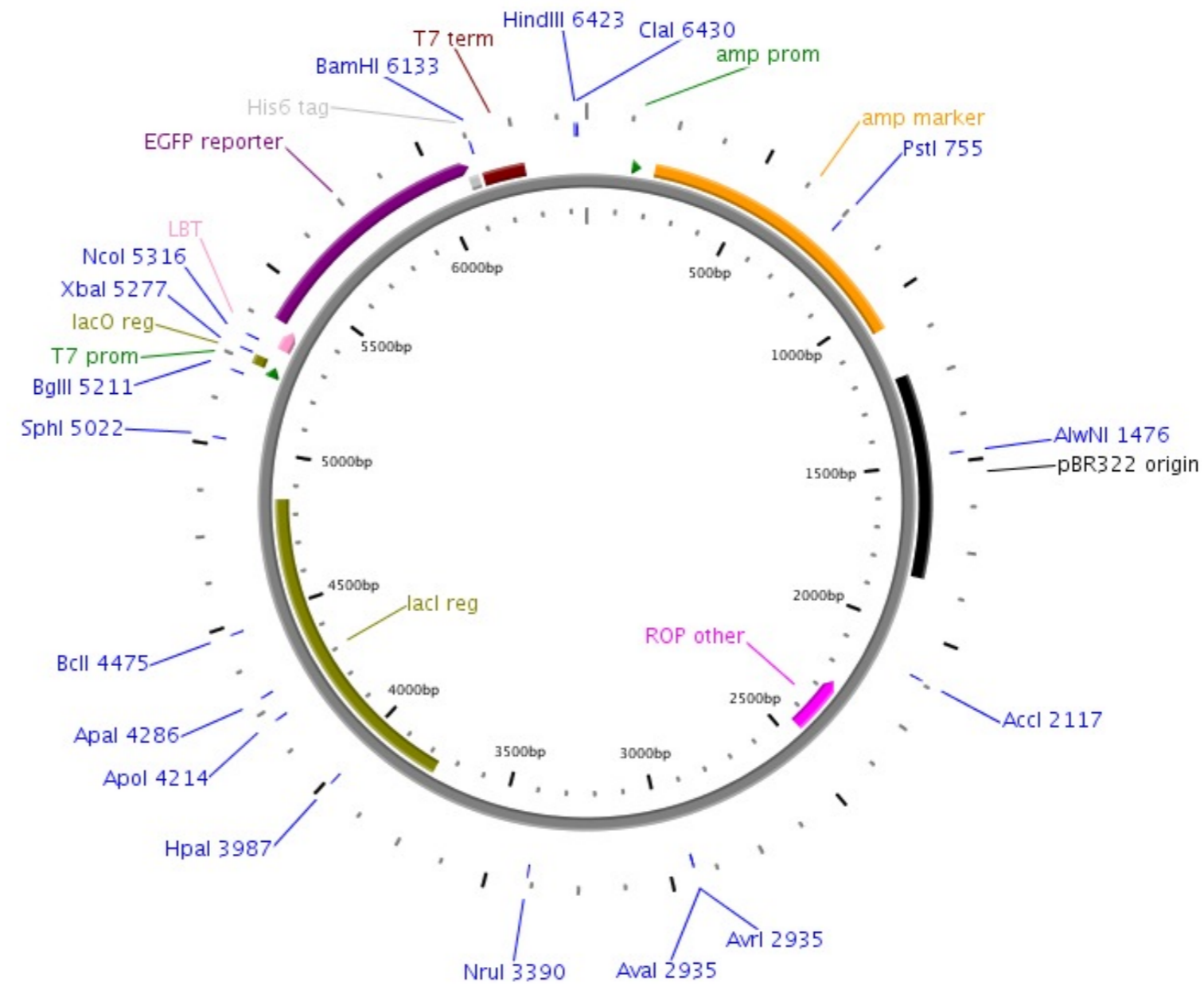
Inserts E. coli expression vector for LBT-tagged EGFP with C-terminal His6 tag
Plasmid carries lacI gene.

Reporter gene

Promoter, splice, PolyA T7 promoter, lac operator and T7 transcription terminator

Comments - sequence available
- deposited in Addgene with plasmid ID 108226
- LBT stands for the lanthanide binding tag SE2 ([MG] YIDTNDGWYEGDELLA[GP...]) from Martin's MIT thesis (2008), mentioned in Nitz et al. (2003) ChemBioChem 4, 272

Reference Bhattacharya K, Bernasconi L, Picard D. Luminescence resonance energy transfer between genetically encoded donor and acceptor for protein-protein interaction studies in the molecular chaperone HSP70/HSP90 complexes. **Sci Rep.** 2018 Feb 12;8(1):2801.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 20.12.12

Constructed by Lilia Bernasconi

Date constructed 12.2012

PLASMID NAME

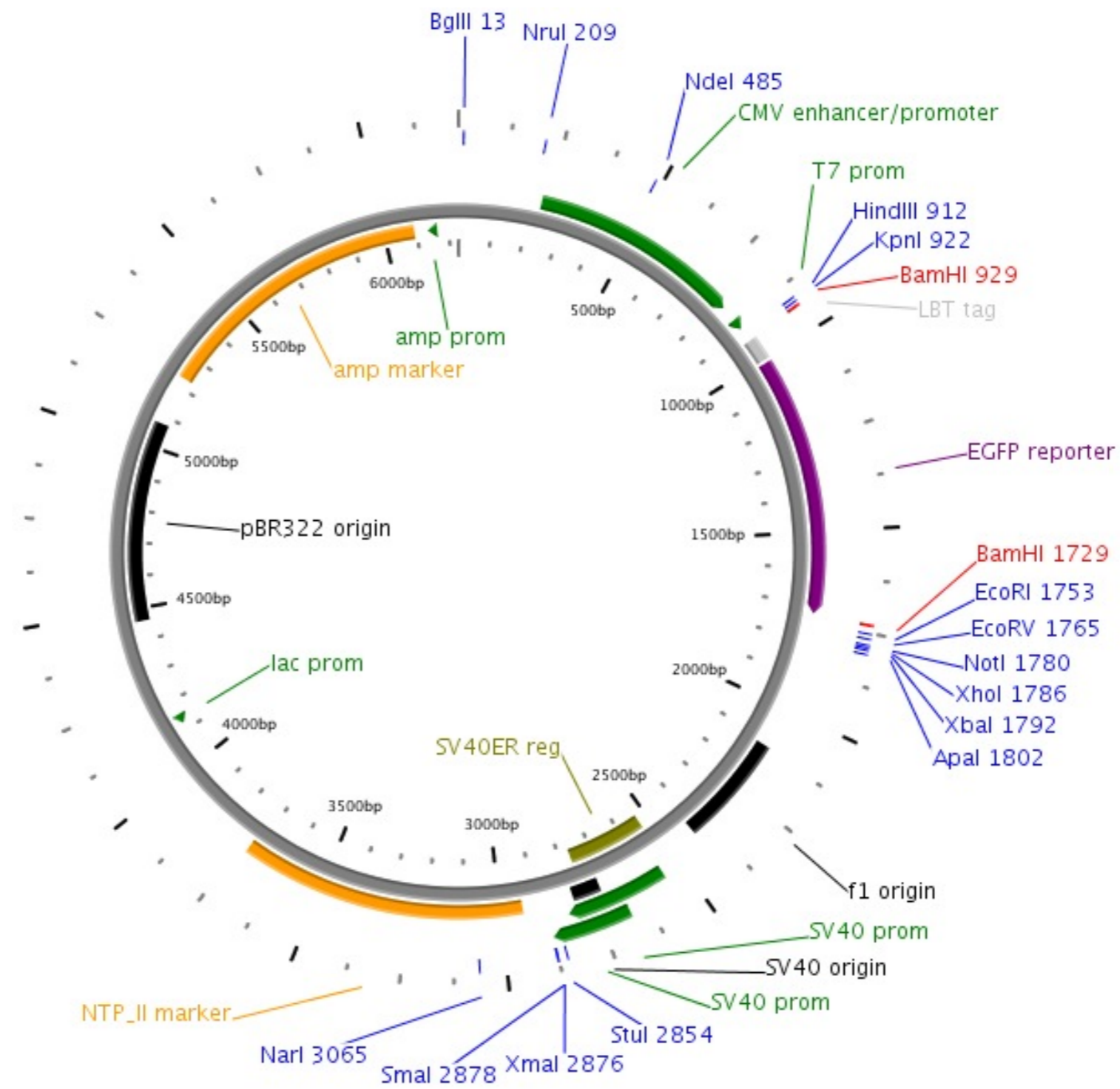
pCMV/LEG

bacterial marker Amp	parent vector pcDNA3.1+
vertebrate marker Neo (G418)	bacterial plasmid pUC
eucaryotic replicon SV40 ori	other relevant source constructs

Inserts LBT-tagged EGFP
Reporter gene <input type="text"/>
Promoter, splice, PolyA - CMV promoter - T7 promoter/priming site - BGH poly A sequence - f1 origin - SV40 early promoter and origin - SV40 early poly A signal - pUC origin

Comments - sequence available
 - LBT stands for the lanthanide binding tag SE2 ([MG] YIDTNDGWYEGDELLA[GP...]) from Martin's MIT thesis (2008), mentioned in Nitz et al. (2003) ChemBioChem 4, 272

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.1.13

Constructed by Tai WANG

Date constructed 12.2012

PLASMID NAME

p2U-SSA-luc

alternative name

p2U-HSE-luc

bacterial marker Amp

parent vector

yeast marker URA3

bacterial plasmid

eukaryotic replicon 2μ circle

other relevant source constructs

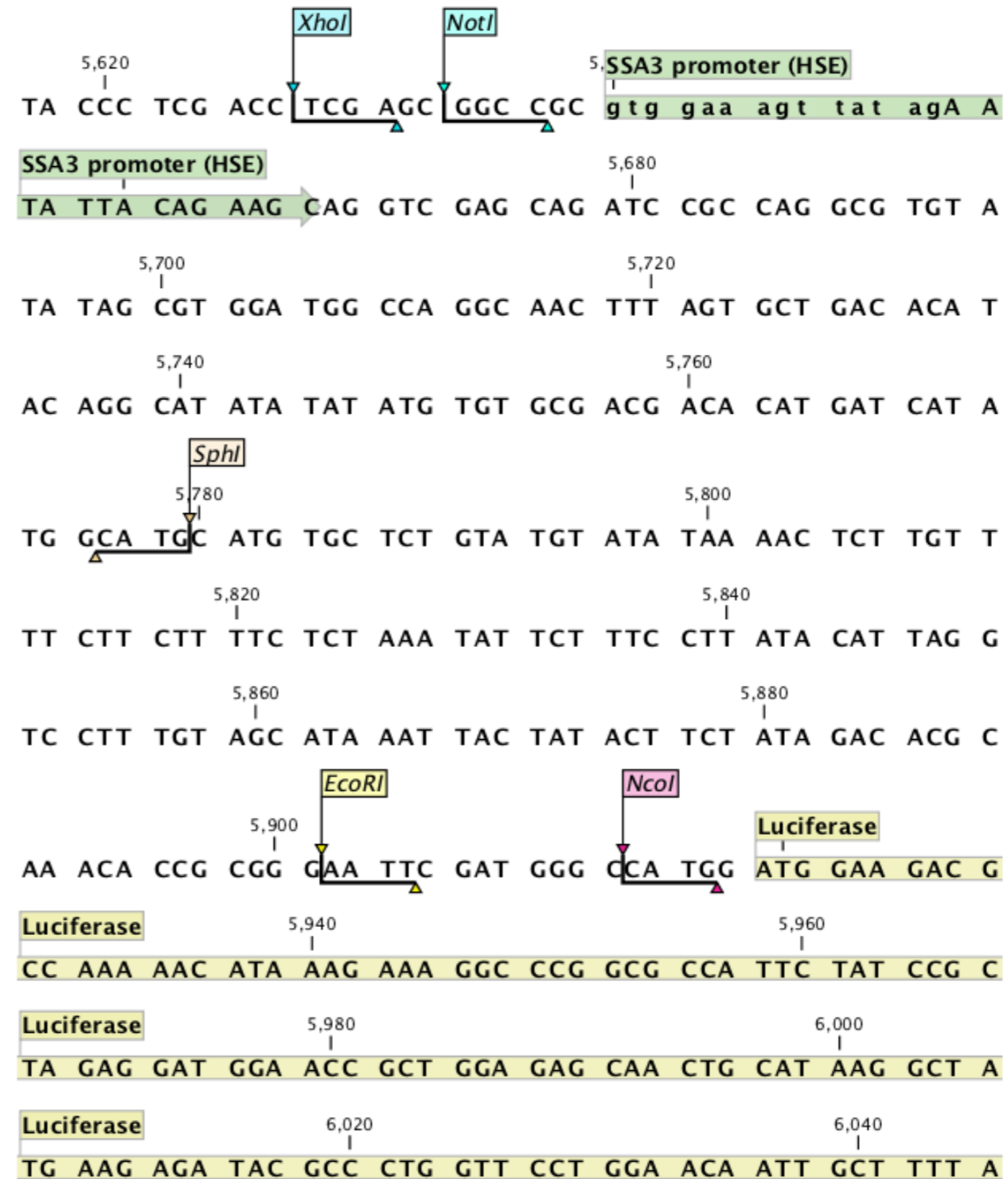
Inserts luciferase under the promoter containing the Heat Shock Element from SSA3 promoter (wild-type), fused to the CYC1 basal promoter

Reporter gene

Promoter,
splice,
PolyA

Comments Full sequence available. Promoter region based on the data from sequencing (XhoI-SphI)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 2456

Date entered 6.1.13

Constructed by Tai WANG

Date constructed 12.2012

PLASMID NAME

p2U-mSSA-luc

alternative name

p2U-mHSE-luc

bacterial marker Amp

parent vector

yeast marker URA3

bacterial plasmid

eukaryotic replicon 2μ circle

other relevant source constructs

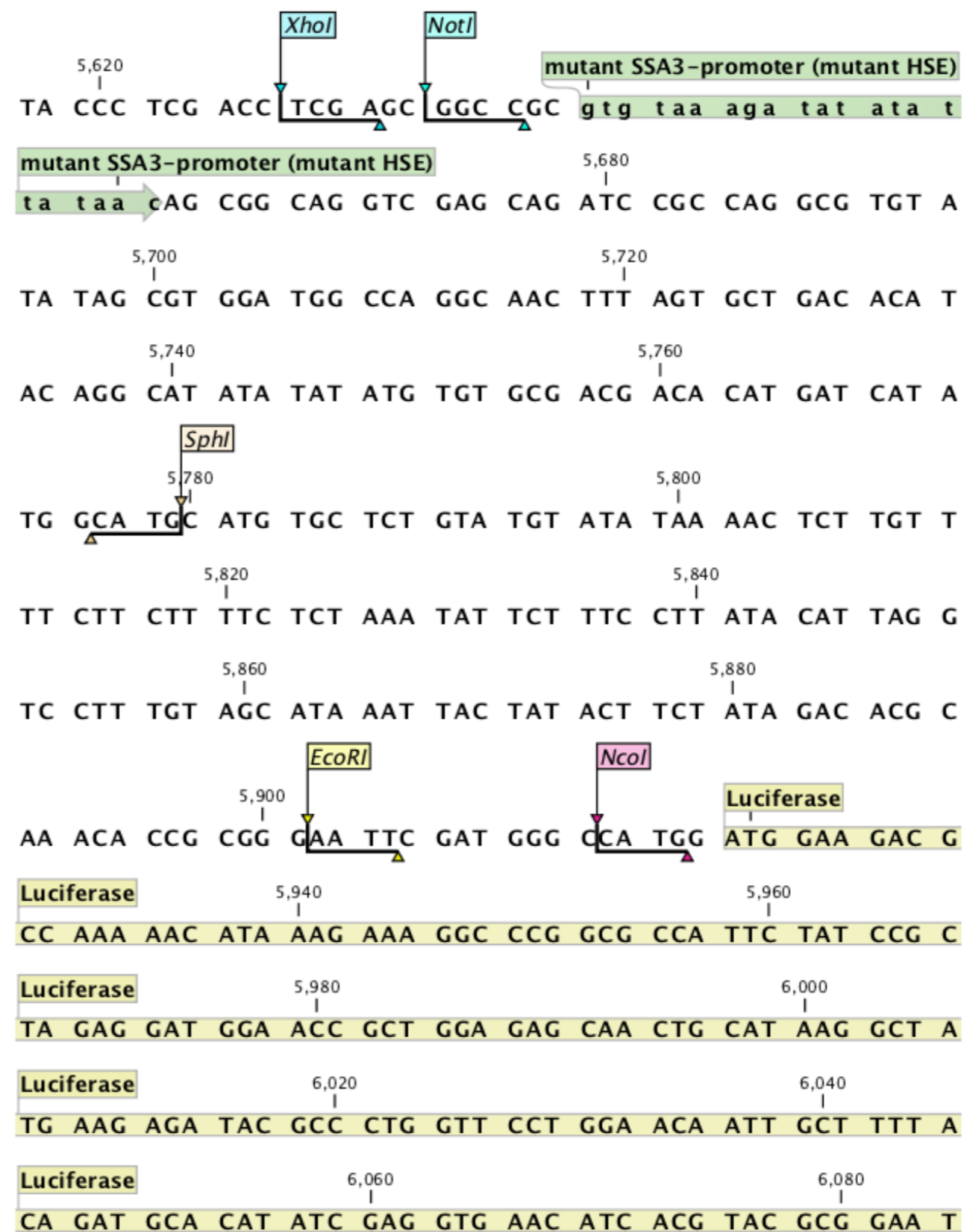
Inserts luciferase under the promoter containing the Heat Shock Element from SSA3 promoter (mutant), fused to the CYC1 basal promoter

Reporter gene luciferase

Promoter,
splice,
PolyA

Comments Full sequence available. Promoter region based on the data from sequencing (XhoI-SphI)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Tai WANG

Date entered 6.1.13
 Date constructed 12.2012

PLASMID NAME

pRSET/Hsp90β-N

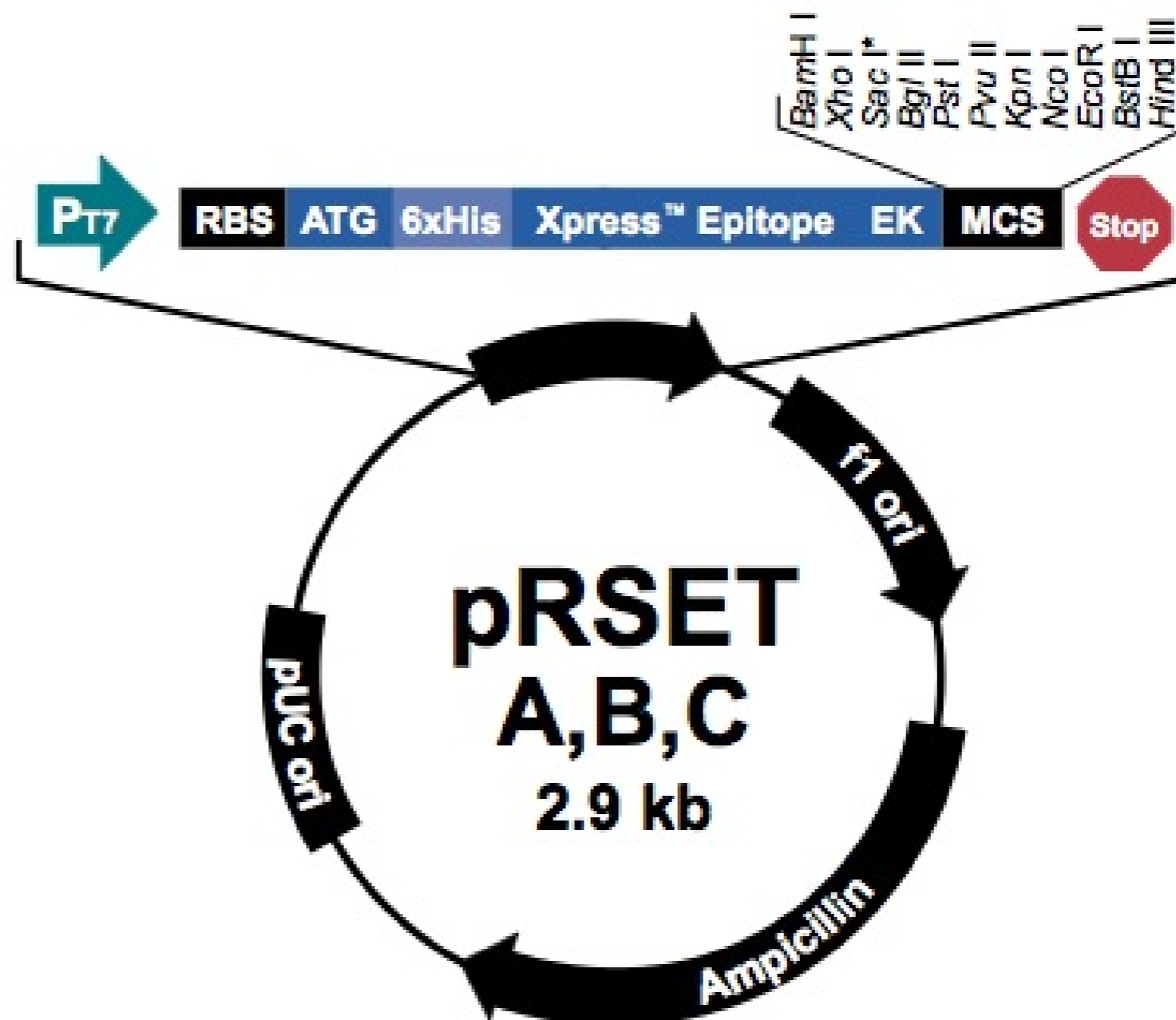
bacterial marker Amp	parent vector pRSET-A
	bacterial plasmid pUC
	other relevant source constructs 2402

Inserts	His6 tag - Xpress epitope - EK cleavage site - Human Hsp90 Beta N-terminal (codon 1-223)
Reporter gene	<input type="text"/>
Promoter, splice, PolyA	T7

Comments

- high copy bacterial expression vector with His6 tag
- map shows empty expression vector
- Human Hsp90beta N-terminal is cloned between BamHI and PstI sites
- The sequence of the cDNA and surrounding region is available (from sequencing)

Reference Wang, T., et al., Differences in Conformational Dynamics between Plasmodium falciparum and Human Hsp90 Orthologues Enable the Structure-Based Discovery of Pathogen-Selective Inhibitors. J Med Chem, 2014.



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Tai WANG

Date entered 6.1.13
 Date constructed 12.2012

PLASMID NAME

pRSET/Hsp90α-N

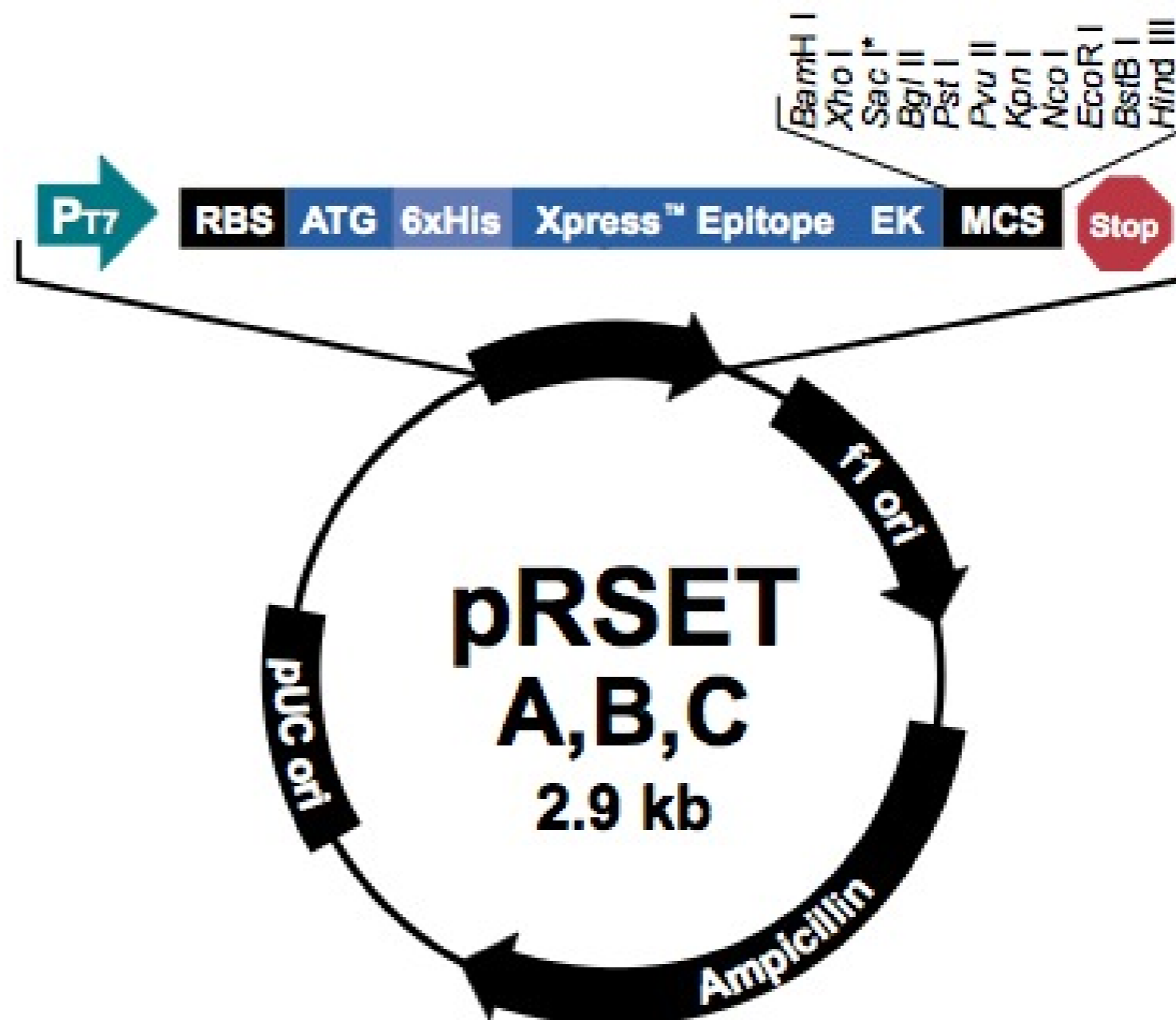
bacterial marker Amp	parent vector pRSET-A
	bacterial plasmid pUC
	other relevant source constructs 2402

Inserts	His6 tag - Xpress epitope - EK cleavage site - Human Hsp90 alpha N-terminal (codon 1-223)
Reporter gene	<input type="text"/>
Promoter, splice, PolyA	T7

Comments

- high copy bacterial expression vector with His6 tag
- map shows empty expression vector
- Human Hsp90alpha N-terminal is cloned between BamHI and PstI sites
- The sequence of the cDNA and surrounding region is available (from sequencing)

Reference Wang, T., et al., Differences in Conformational Dynamics between Plasmodium falciparum and Human Hsp90 Orthologues Enable the Structure-Based Discovery of Pathogen-Selective Inhibitors. J Med Chem, 2014.



Construct number
 Constructed by Cell Biolabs

Date entered 11.1.13
 Date constructed

PLASMID NAME

pAAV-CMV-MCS

alternative name

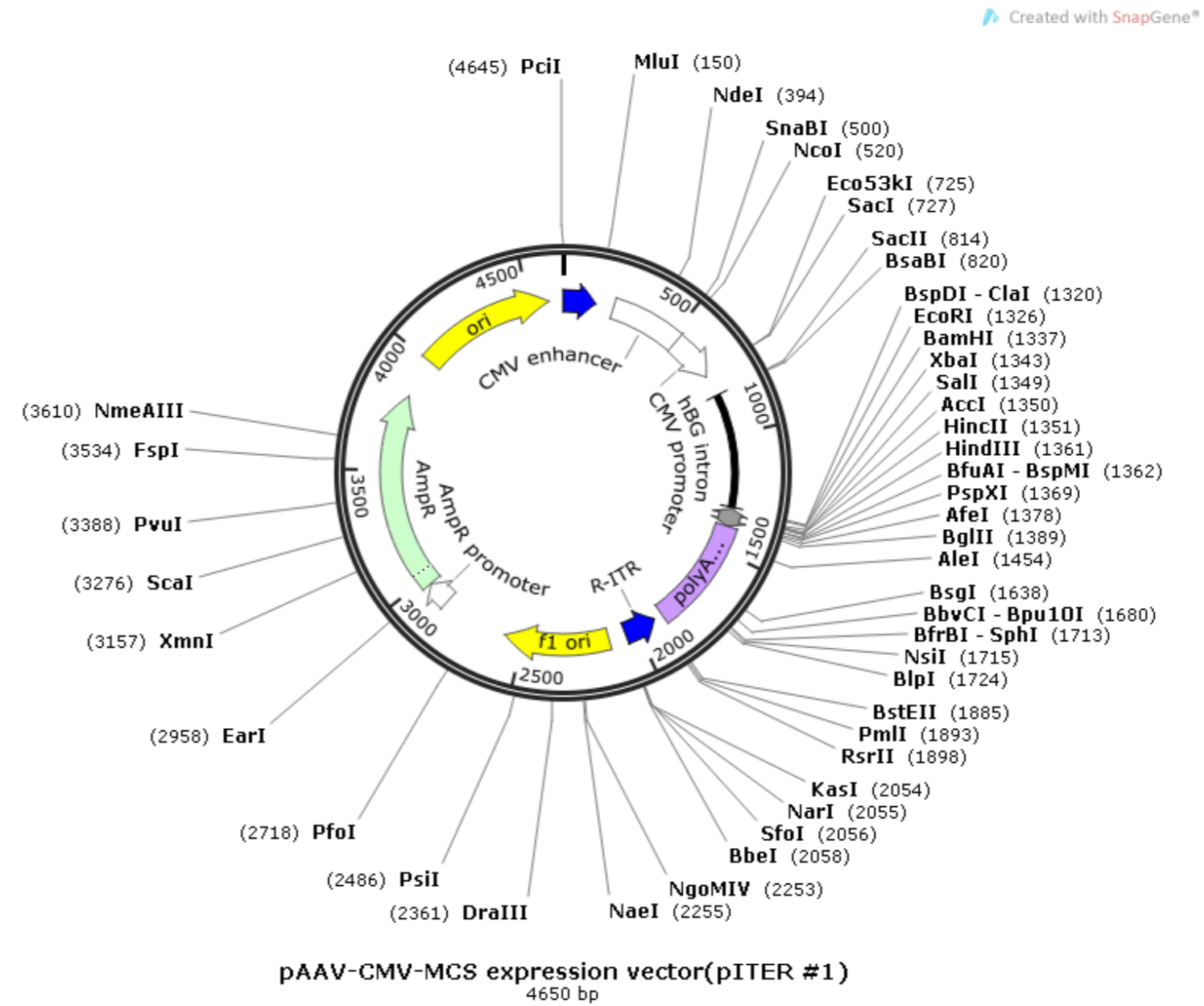
pITER #1

bacterial marker Amp	parent vector
	bacterial plasmid
	other relevant source constructs

Inserts	Expression cassette flanked by AAV ITRs
Reporter gene	<input type="text"/>
Promoter, splice, PolyA	- CMV enhancer/promoter - human β -globin intron - polyA sequence

Comments - sequence available
 - allows production of AAV particles (or can be used as plasmid)

Reference



Construct number 2461

Date entered 11.1.13

Constructed by Petermann and Dorchies

Date constructed

PLASMID NAME

pAAV-tMCK4

alternative name

pITER #5

bacterial marker Amp

parent vector pAAV-CMV-MCS bacterial plasmid

other relevant source constructs

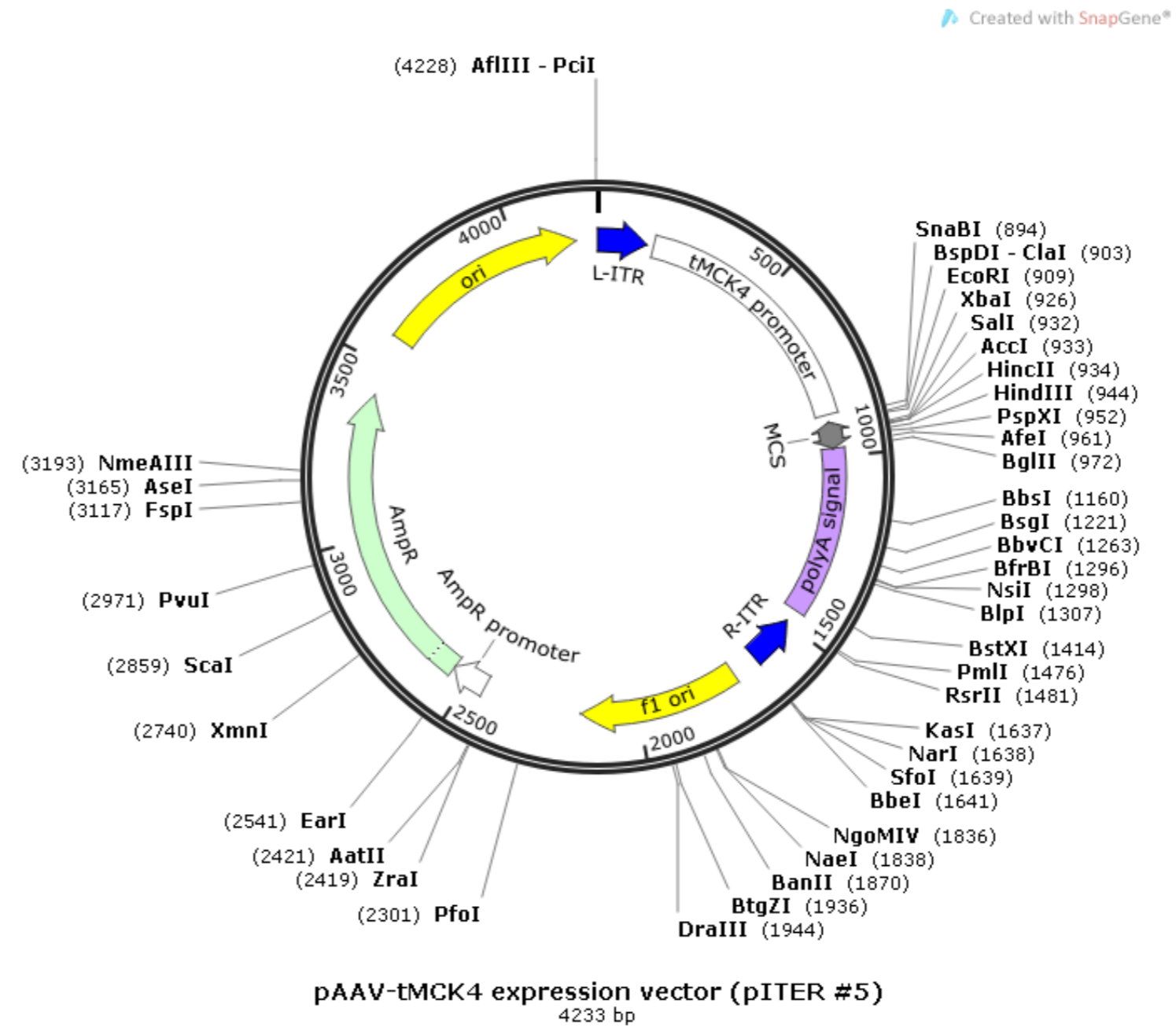
Inserts Muscle-specific expression cassette flanked by AAV ITRs

Reporter gene

Promoter, splice, PolyA - muscle-specific MCK promoter - human beta-globin intron - polyA sequence

Comments - sequence available - allows production of AAV particles (or can be used as plasmid)

Reference



Construct number 2462

Date entered 11.1.13

Constructed by Petermann and Dorchies

Date constructed

PLASMID NAME

pAAV-CMV-BGI-ER α

alternative name

pITER #12

bacterial marker Amp

parent vector
pAAV-CMV-MCS
bacterial plasmid

other relevant source constructs

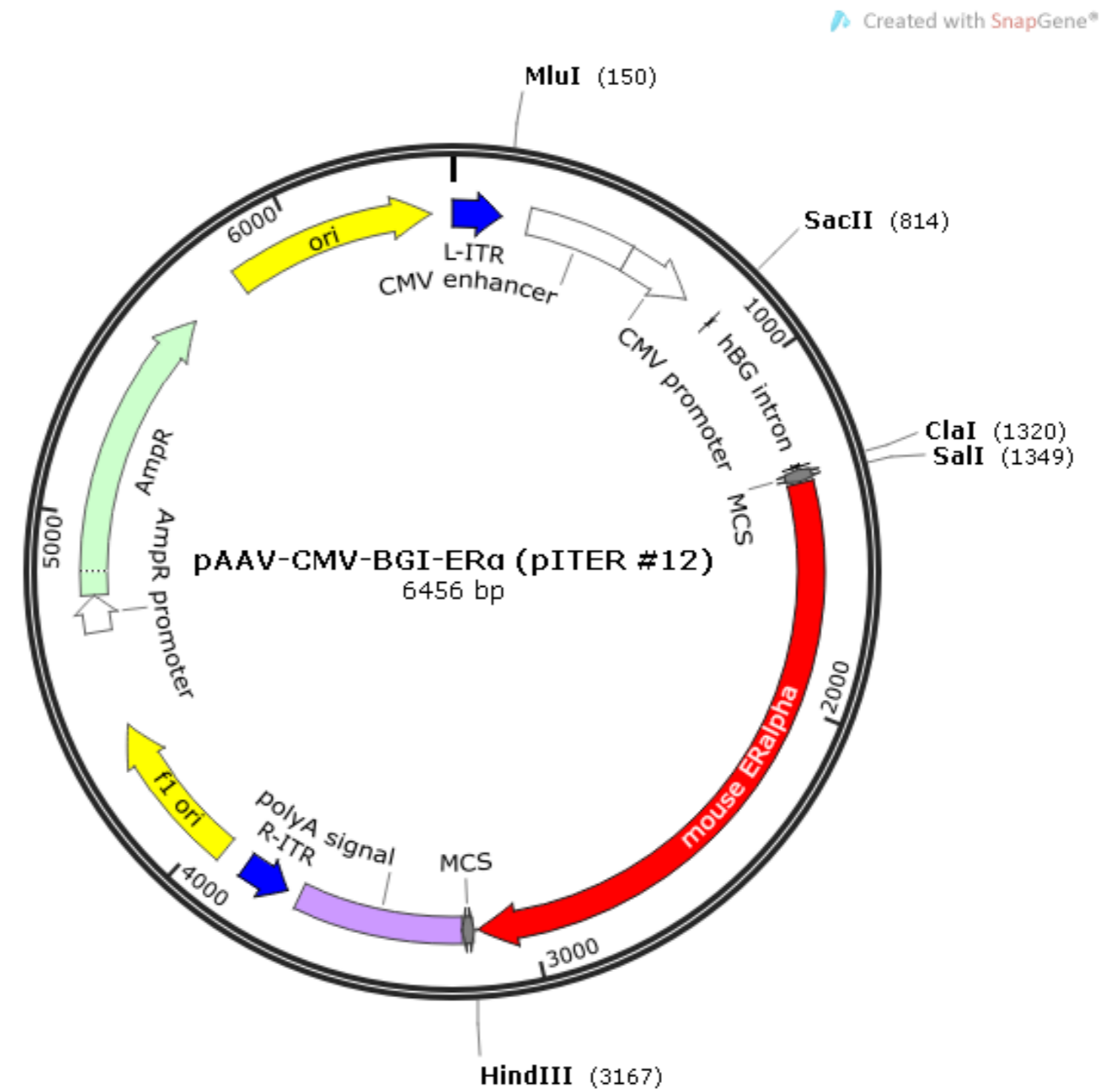
Inserts Expression cassette for mouse estrogen receptor α (ER α) flanked by AAV ITRs

Reporter gene

Promoter, splice, PolyA
- CMV enhancer/promoter
- human β -globin intron
- polyA sequence

Comments - sequence available
- allows production of AAV particles (or can be used as plasmid)

Reference



Construct number 2463

Date entered 11.1.13

Constructed by Petermann and Dorchies

Date constructed

PLASMID NAME

pAAV-CMV-BGI-ERβ1

alternative name

pITER #13

bacterial marker Amp

parent vector pAAV-CMV-MCS

bacterial plasmid

other relevant source constructs

Inserts Expression cassette for mouse estrogen receptor β1 isoform (ERβ1) flanked by AAV ITRs

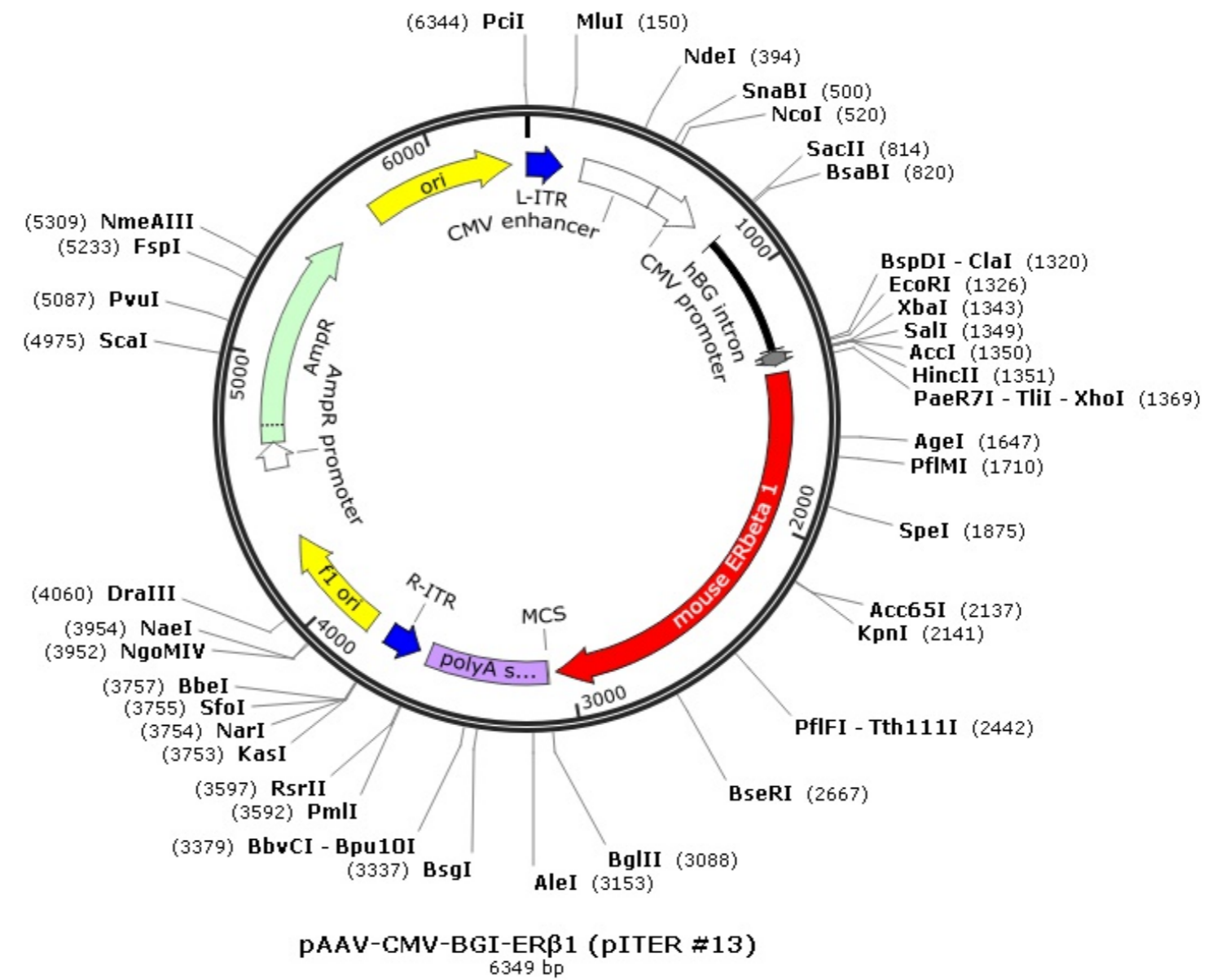
Reporter gene

Promoter, splice, PolyA - CMV enhancer/promoter - human β-globin intron - polyA sequence

Comments

- allows production of AAV particles (or can be used as plasmid)

Reference



Construct number 2464

Date entered 11.1.13

Constructed by Petermann and Dorchies

Date constructed

PLASMID NAME

pAAV-CMV-BGI-ERβ2

alternative name

pITER #14

bacterial marker Amp

parent vector pAAV-CMV-MCS

bacterial plasmid

other relevant source constructs

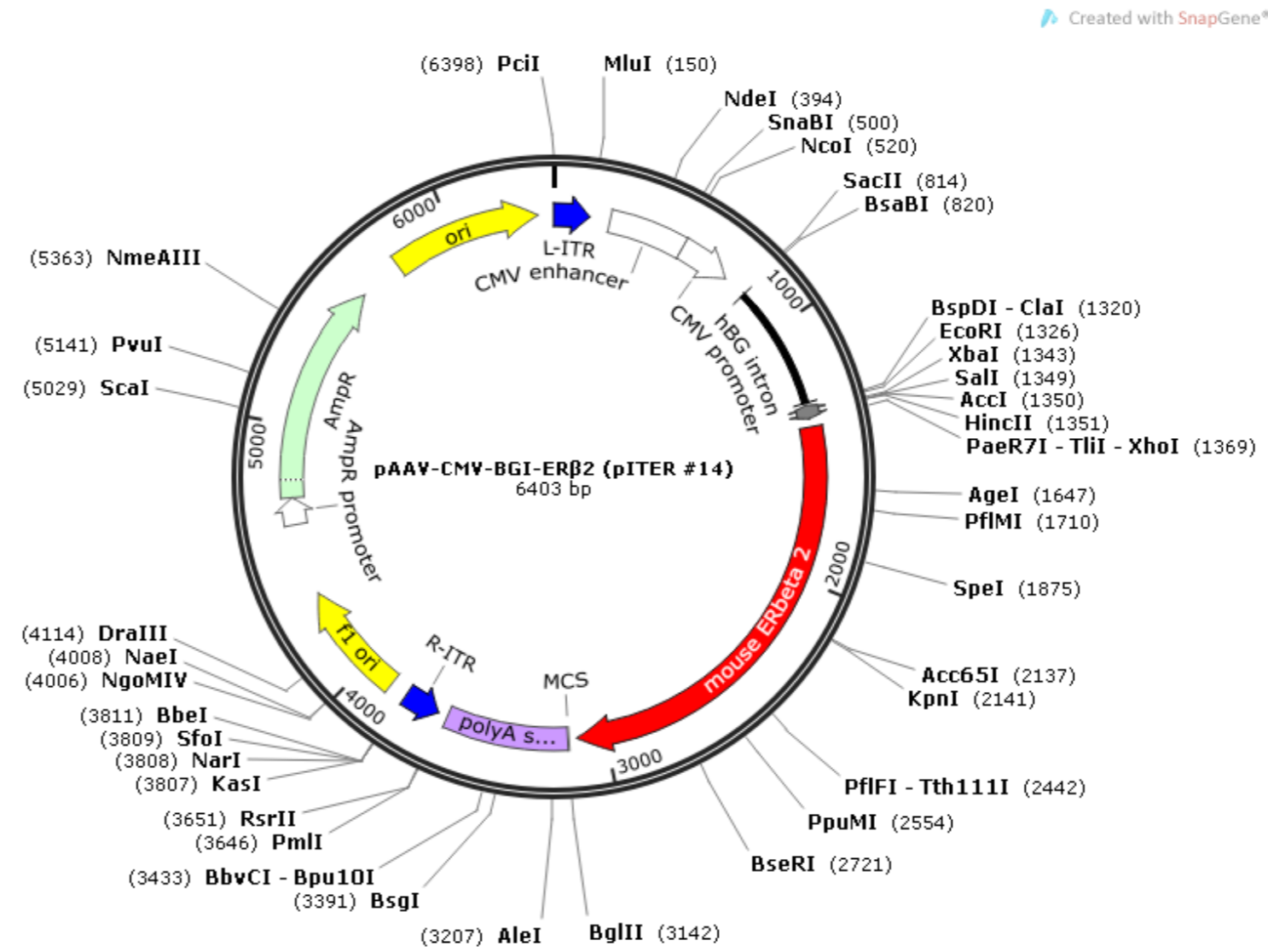
Inserts Expression cassette for mouse estrogen receptor β2 isoform (ERβ2) flanked by AAV ITRs

Reporter gene

Promoter, splice, PolyA - CMV enhancer/promoter - human β-globin intron - polyA sequence

Comments - allows production of AAV particles (or can be used as plasmid)

Reference



Construct number 2465

Date entered 11.1.13

Constructed by Petermann and Dorchies

Date constructed

PLASMID NAME

pAAV-CMV-BGI-GPER1

alternative name

pITER #18

bacterial marker Amp

parent vector pAAV-CMV-MCS
bacterial plasmid

other relevant source constructs

Inserts Expression cassette for mouse GPER1 (GPR30) flanked by AAV ITRs

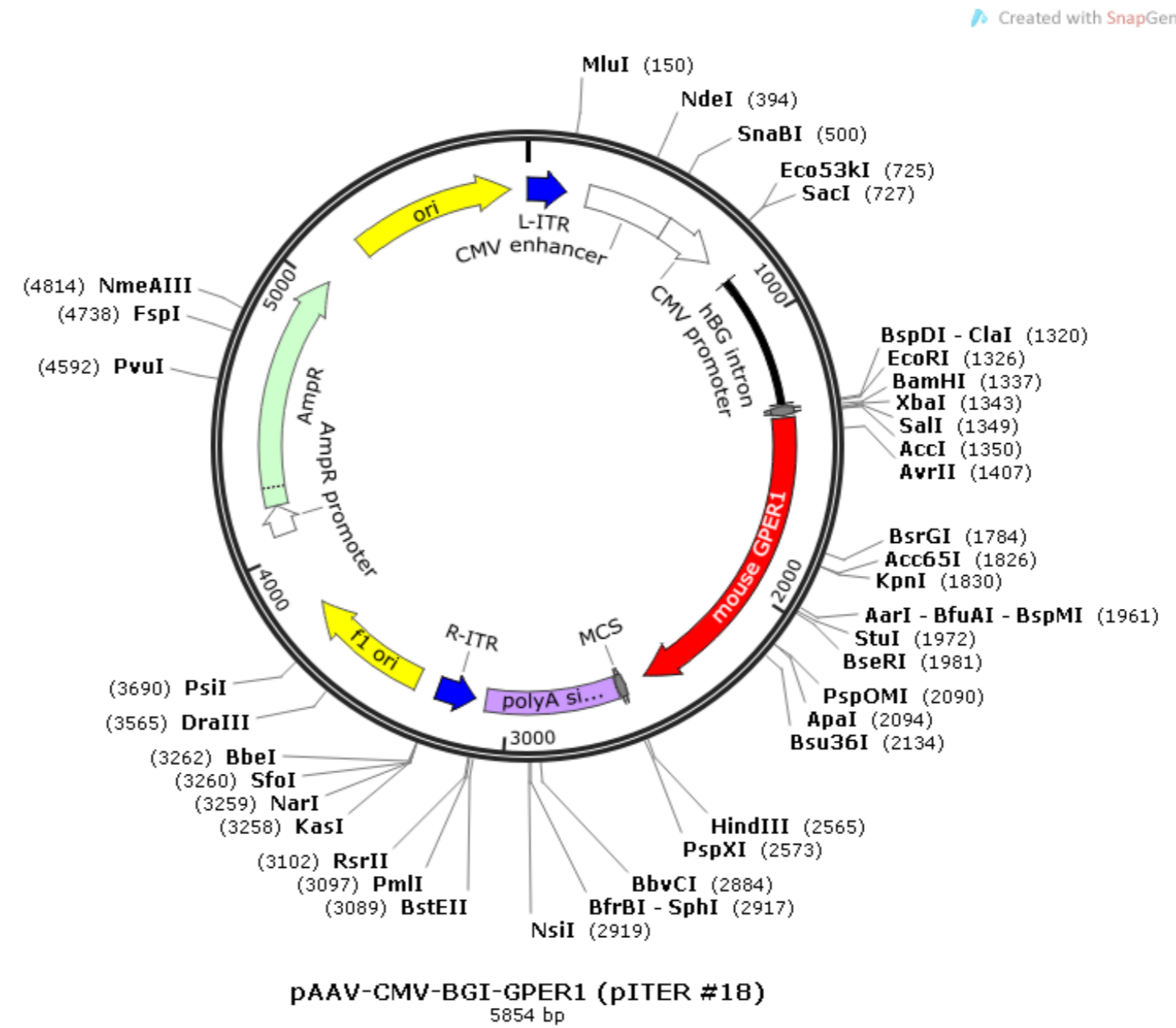
Reporter gene

Promoter, splice, PolyA - CMV enhancer/promoter
- human β -globin intron
- polyA sequence

Comments

- allows production of AAV particles (or can be used as plasmid)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 2466

Date entered 14.1.13

Constructed by Lilia Bernasconi

Date constructed 01.2013

PLASMID NAME

Hsp70pCh

bacterial marker Amp

parent vector

ETmitoCh

bacterial plasmid

pUC

other relevant source constructs

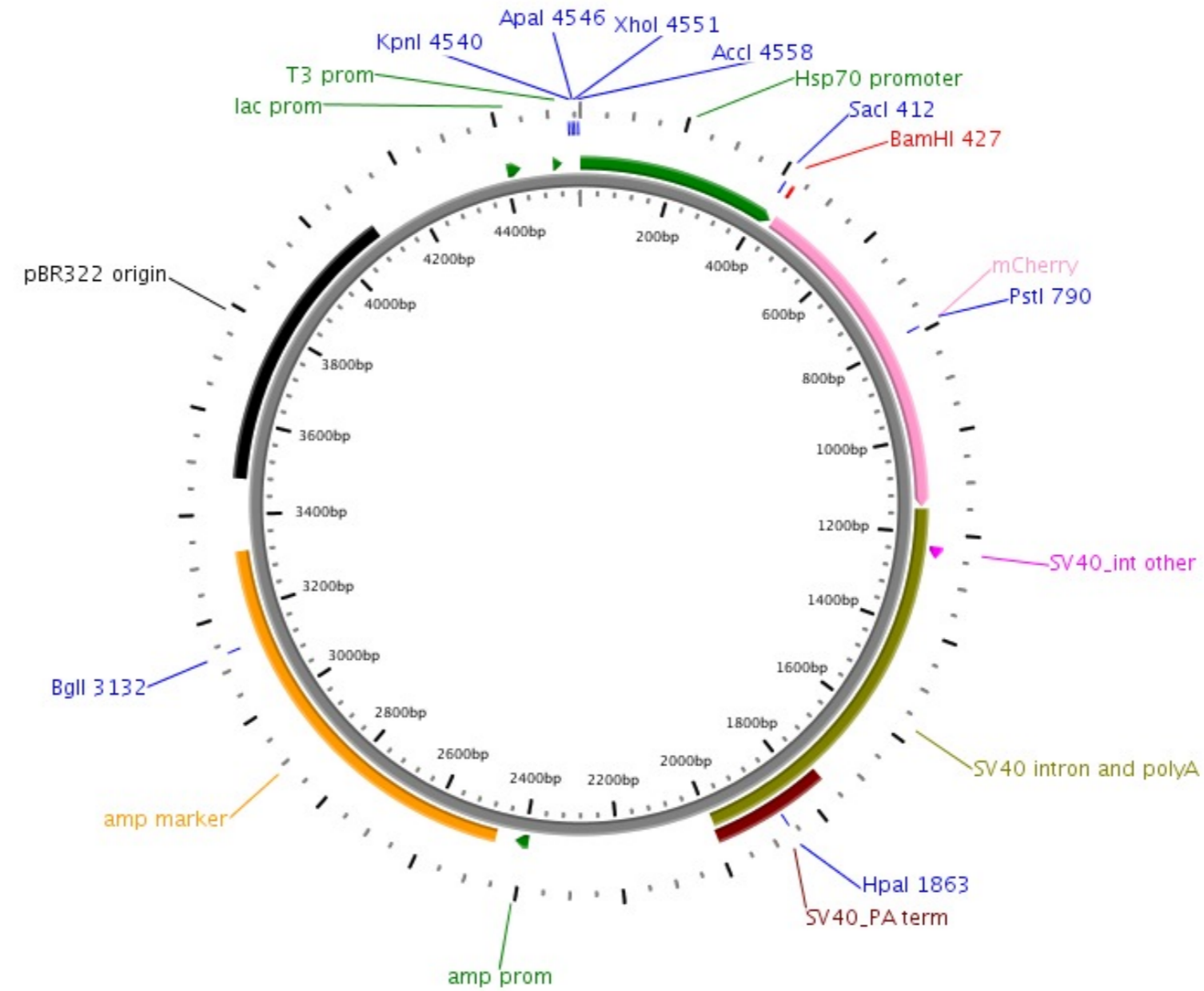
Inserts Promoter of human Hsp70 gene (HSPA1A) driving mCherry.

Reporter gene mCherry

Promoter, splice, PolyA
- Hsp70 promoter
- SV40 small t intron and polyA site.

Comments
- sequence available
- 420 bp fragment upstream of AUG

Reference



Construct number
 Constructed by Cell Biolabs

Date entered 14.1.13
 Date constructed

PLASMID NAME

pAAV-GFP

alternative name

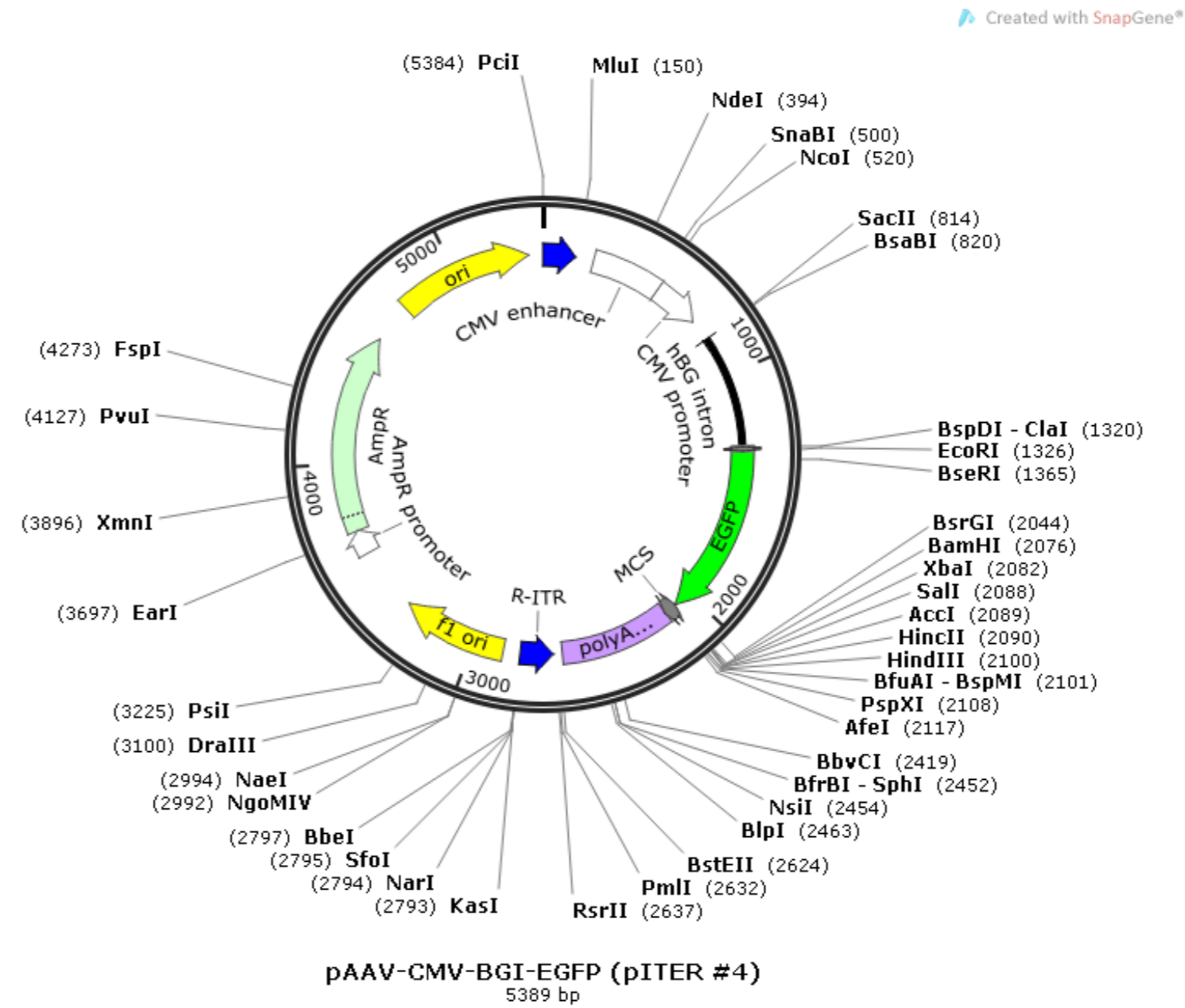
pITER #4

bacterial marker Amp	parent vector pAAV-CMV-MCS bacterial plasmid
	other relevant source constructs

Inserts	Expression cassette for EGFP flanked by AAV ITRs
Reporter gene	<input type="text"/>
Promoter, splice, PolyA	- CMV enhancer/promoter - human β -globin intron - polyA sequence

Comments - sequence available
 - allows production of AAV particles (or can be used as plasmid)

Reference



Construct number
Constructed by Cell Biolabs

Date entered 14.1.13
Date constructed

PLASMID NAME

pAAV-RC2

alternative name

pITER #2

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

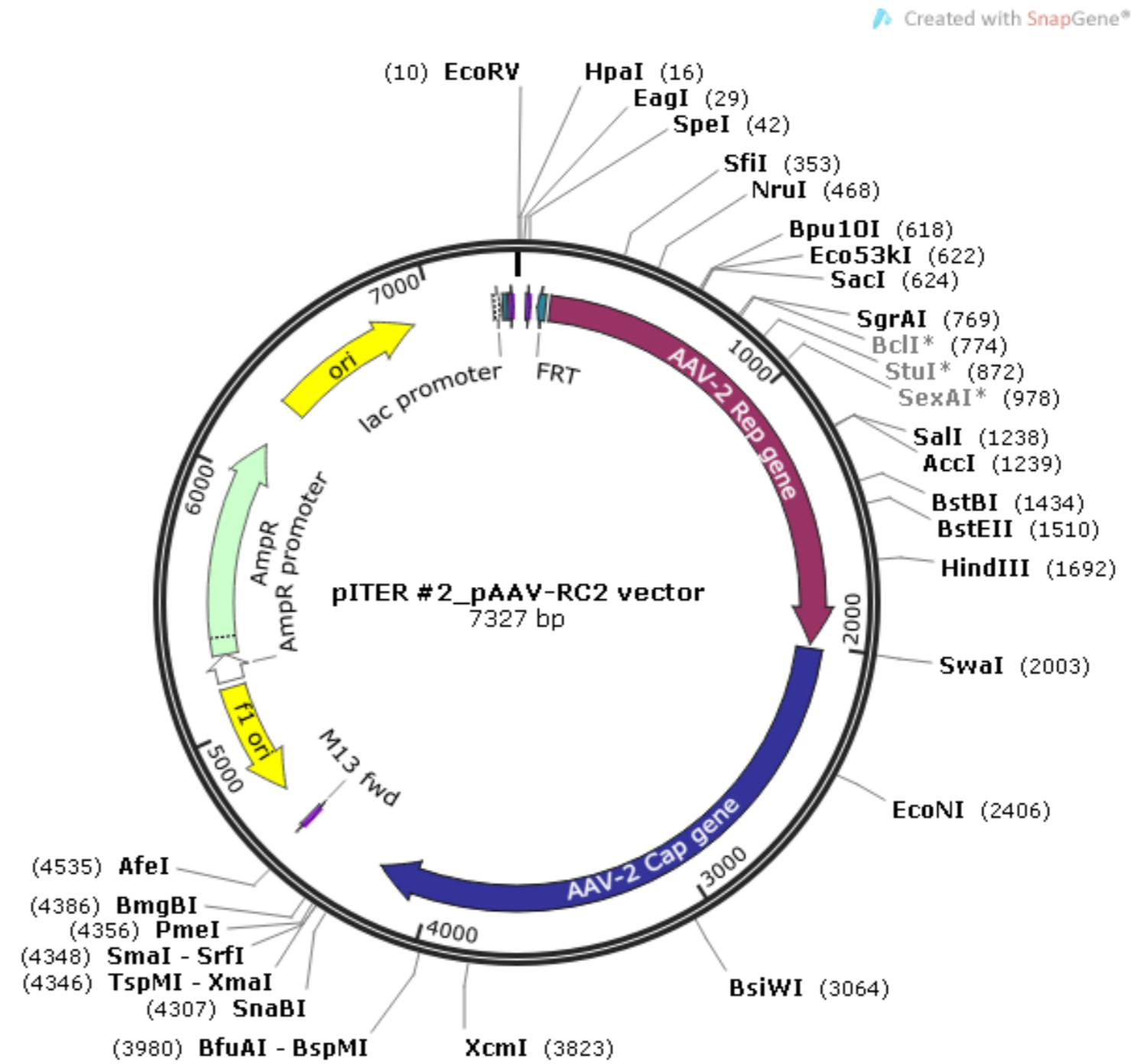
Inserts Accessory vector for the production of AAV type 2 particles. Contains Rep and structural Cap genes.

Reporter gene

Promoter,
splice,
PolyA

Comments - sequence available

Reference



Construct number
Constructed by Cell Biolabs

Date entered 14.1.13
Date constructed

PLASMID NAME

pHelper

alternative name

pITER #3

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

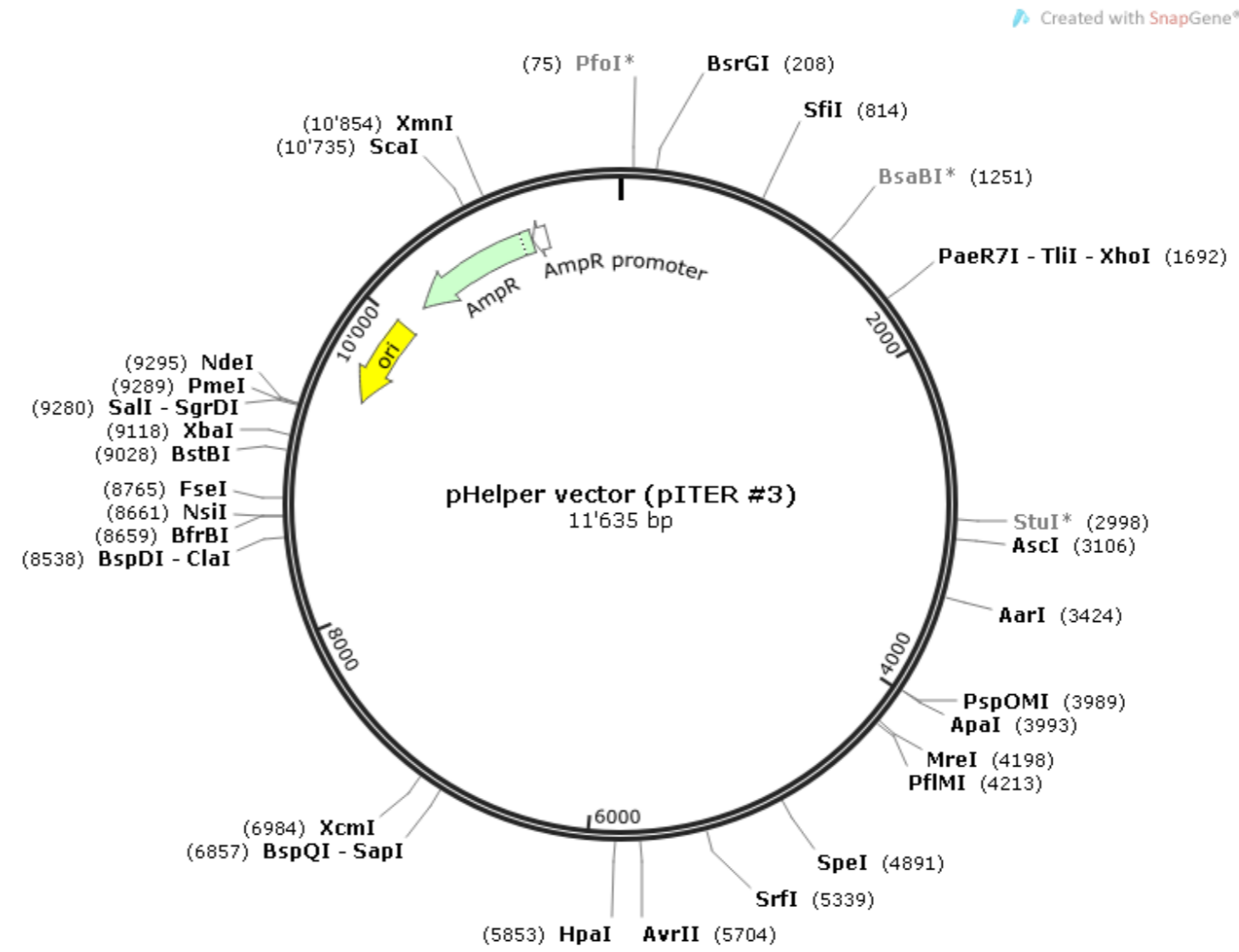
Inserts Expression vector for adenoviral helper proteins and RNA (E2A, E4 and VA RNA) for AAV production

Reporter gene

Promoter,
splice,
PolyA

Comments - sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 24.1.13

Constructed by Lila and Marcela

Date constructed 23.01.13

PLASMID NAME

pLKO.shGFP

bacterial marker Amp	parent vector pLKO.1
vertebrate marker Puromycin	bacterial plasmid pUC
eukaryotic replicon	other relevant source constructs

Inserts shRNA against GFP inserted into the AgeI and EcoRI sites in place of the stuffer.

(Target DNA sequence)

5' CGGCAAGCTGACCCCTGAAGTTC

Reporter gene

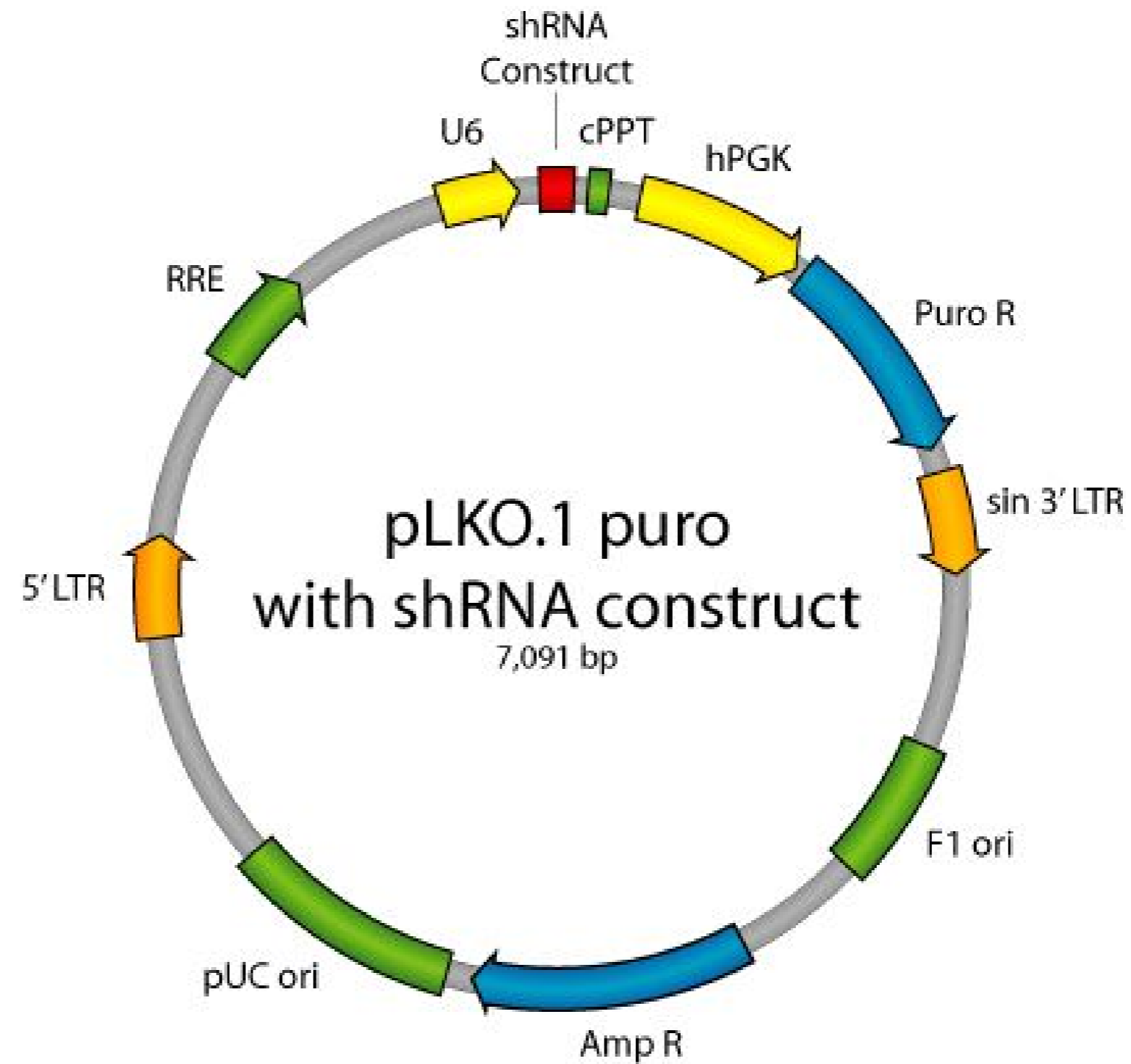
Promoter, splice, PolyA U6 promoter to drive RNA pol III transcription of the shRNA sequence.

Comments

for more details about this cloning you can visit:

<http://www.addgene.org/tools/protocols/plko/>

Reference Sancak, Y., et al. Science, 2008. **320**(5882): p. 1496-501. This shRNA sequence corresponds with the Addgene plasmid # 30323



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 24.1.13

Constructed by Lila and Marcela

Date constructed 21.01.13

PLASMID NAME

pLKO.shCTRL

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts scrambled shRNA inserted in AgeI and EcoRI sites in the place of the stuffer sequence. The expressed shRNA does not target any gene in the human genome.

(target DNA sequence)

5' CCTAAGGTTAAGTCGCCCTCG

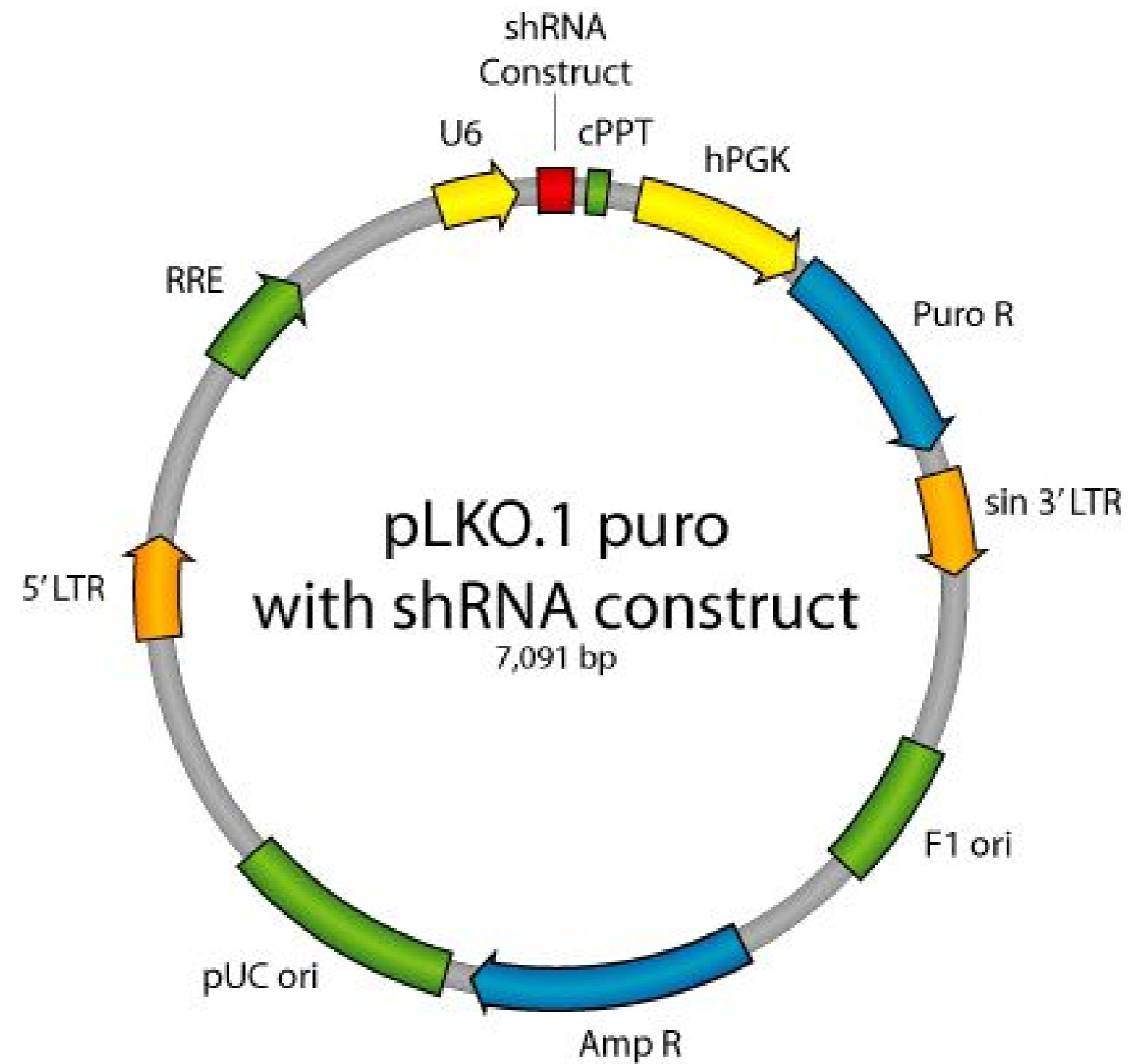
Reporter gene

Promoter, splice, PolyA U6 promoter to drive RNA pol III transcription of the shRNA sequence.

Comments for more details about this cloning you can visit:

<http://www.addgene.org/tools/protocols/plko/>

Reference Sarbassov, D.D., et al. Science, 2005. Same scramble shRNA sequence than in Addgene plasmid # 1864



Construct number

2472

Date entered

6.2.13

Constructed by

Marcela Bennesch

Date constructed

04.02.2013

PLASMID NAME

pLKO.LSD1

bacterial marker

Amp

vertebrate marker

Puromycin

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts

human LSD1 shRNA, 5'-CGGACAAGCTGTTCTAAA-3' cloned in the AgeI and EcoRI sites in the place of the stuffer sequence.

Reporter gene

Promoter,
splice,
PolyA

U6 promoter to drive RNA pol III transcription of the shRNA sequence.

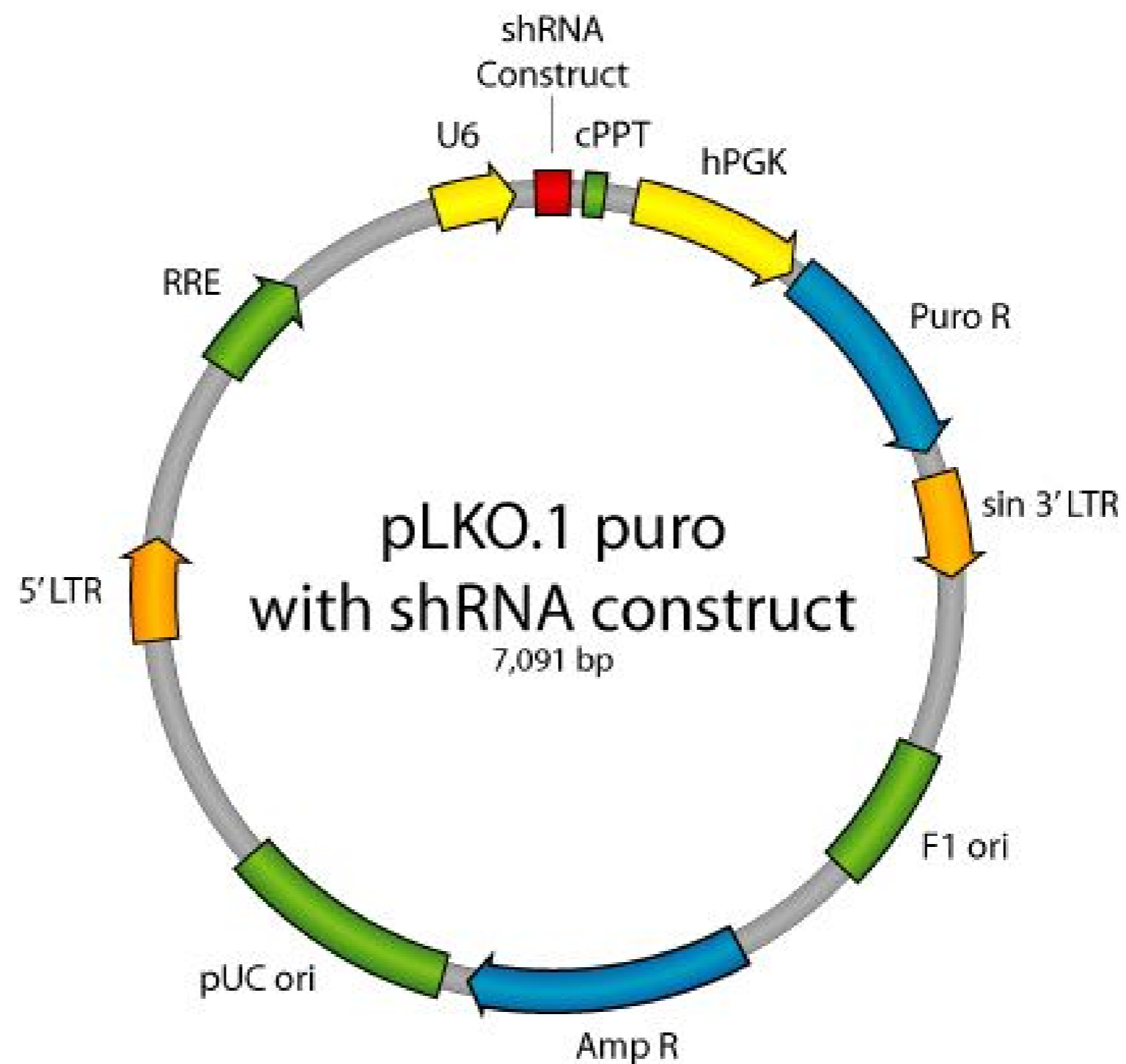
Comments

or more details about this cloning you can visit:

<http://www.addgene.org/tools/protocols/plko/>

Reference

Metzger, E., Wissmann, M., Yin, N., Muller, J. M., Schneider, R., Peters, A. H., Gunther, T., Buettner, R., and Schule, R. (2005). Nature 437, 436-439.



Construct number

2473

Date entered

14.2.13

Constructed by

Stallcup Lab

Date constructed

PLASMID NAME

pSG5-HA-CARM1(3-500)

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

other relevant source constructs

Inserts

Deletion mutant that corresponds to the sequence 3-500 aa of the mouse CARM1, N-terminally HA-tagged. The construct was made by inserting PCR-amplified cDNA of mouse CARM1 flanked by 5' EcoRI and 3' Bgl II sites into the corresponding ends of pGS5 vector.

Reporter gene

Promoter, - SV40 early promoter
splice, - T7 promoter
PolyA

Comments

Reference Teyssier, C., Chen, D., and Stallcup, M. R. (2002). The Journal of biological chemistry 277, 46066-46072.

Construct number

2474

Date entered

14.2.13

Constructed by

Stallcup Lab

Date constructed

PLASMID NAME

pSG5-HA-CARM1(121-608)

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

other relevant source constructs

Inserts

Deletion mutant that corresponds to the sequence 121-608 aa of the mouse CARM1, N-terminally HA-tagged. The construct was made by inserting PCR-amplified cDNA of mouse CARM1 flanked by 5' EcoRI and 3'Bgl II sites into the corresponding ends of pGS5 vector.

Reporter gene

Promoter, - SV40 early promoter
splice, - T7 promoter
PolyA

Comments

Reference Teyssier, C., Chen, D., and Stallcup, M. R. (2002). The Journal of biological chemistry 277, 46066-46072.

Construct number

2475

Date entered

14.2.13

Constructed by

Stallcup Lab

Date constructed

PLASMID NAME

pSG5-HA-CARM1(461-608)

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

other relevant source constructs

Inserts

Deletion mutant that corresponds to the sequence 461-608 aa of the mouse CARM1, N-terminally HA-tagged. The construct was made by inserting PCR-amplified cDNA of mouse CARM1 flanked by 5' EcoRI and 3'Bgl II sites into the corresponding ends of pGS5 vector.

Reporter gene

Promoter, - SV40 early promoter
splice, - T7 promoter
PolyA

Comments

Reference Teyssier, C., Chen, D., and Stallcup, M. R. (2002). The Journal of biological chemistry 277, 46066-46072.

Construct number

2476

Date entered

14.2.13

Constructed by

Stallcup Lab

Date constructed

PLASMID NAME

pSG5-HA-CARM1(3-200)

bacterial marker Amp

parent vector

pSG5

bacterial plasmid

other relevant source constructs

Inserts

Deletion mutant that corresponds to the sequence 3-200 aa of the mouse CARM1, N-terminally HA-tagged. The construct was made by inserting PCR-amplified cDNA of mouse CARM1 flanked by 5' EcoRI and 3'Bgl II sites into the corresponding ends of pGS5 vector.

Reporter gene

Promoter, - SV40 early promoter
splice, - T7 promoter
PolyA

Comments

Reference Teyssier, C., Chen, D., and Stallcup, M. R. (2002). The Journal of biological chemistry 277, 46066-46072.

Construct number
 Constructed by Stallcup Lab

Date entered 14.2.13
 Date constructed

PLASMID NAME

pM.Gal4-CARM1(3-120)

bacterial marker Amp	parent vector pM
	bacterial plasmid
	other relevant source constructs

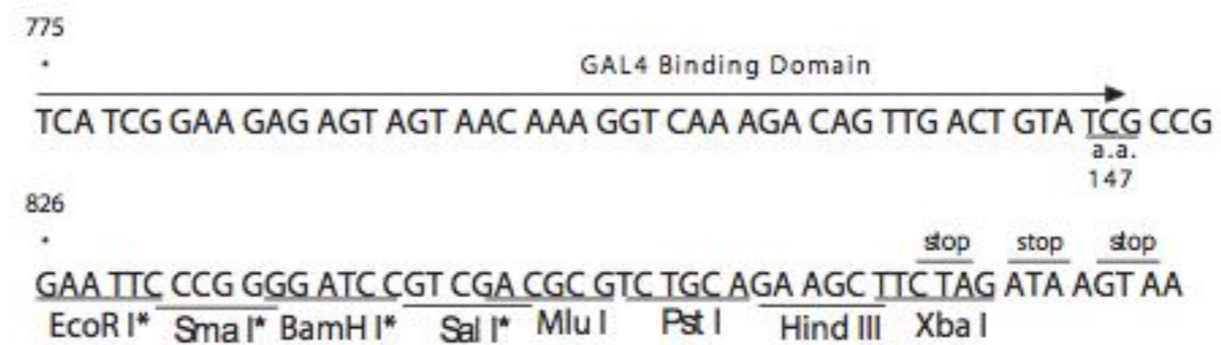
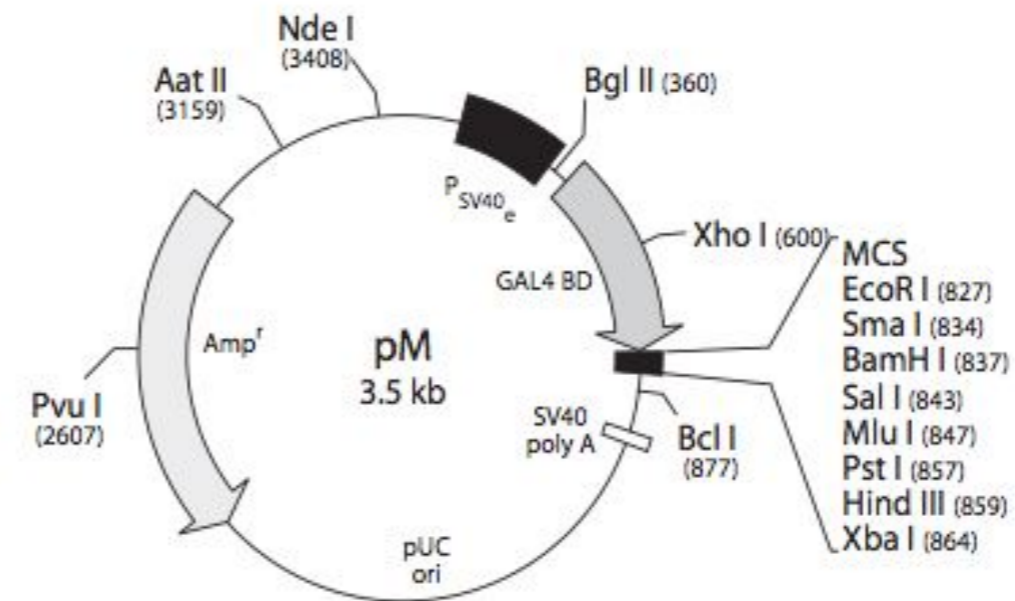
Inserts Deletion mutant that corresponds to the sequence 3-120aa of the mouse CARM1 fused to the DBD of Gal4. The construct was made by inserting PCR-amplified cDNA of mouse CARM1 flanked by 5' EcoRI and 3'BamHI sites into the corresponding ends of pM vector.

Reporter gene

Promoter, splice, PolyA - SV40 early promoter

Comments

Reference Teyssier, C., Chen, D., and Stallcup, M. R. (2002). The Journal of biological chemistry 277, 46066-46072.



Construct number

2478

Date entered

23.4.13

Constructed by

rec. from Thomas Landes

Date constructed

PLASMID NAME

pGEX-6P-1

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Bacterial Vector for expression of GST proteins.
(with a PreScission Protease site)

Reporter gene

Promoter,
splice,
PolyA

tac

Comments

also contains lacIq

Reference

Smith and Johnson (1988) Gene 67,31-40

DIDIER PICARD LAB, University of Geneva

Construct number
Constructed by Diana Wider

Date entered 2.5.13
Date constructed 05.13

PLASMID NAME

pTK-LiLuc

bacterial marker Amp	parent vector pRL-TK
	bacterial plasmid ?
	other relevant source constructs pCIns-3F, pCMV-RedFluc

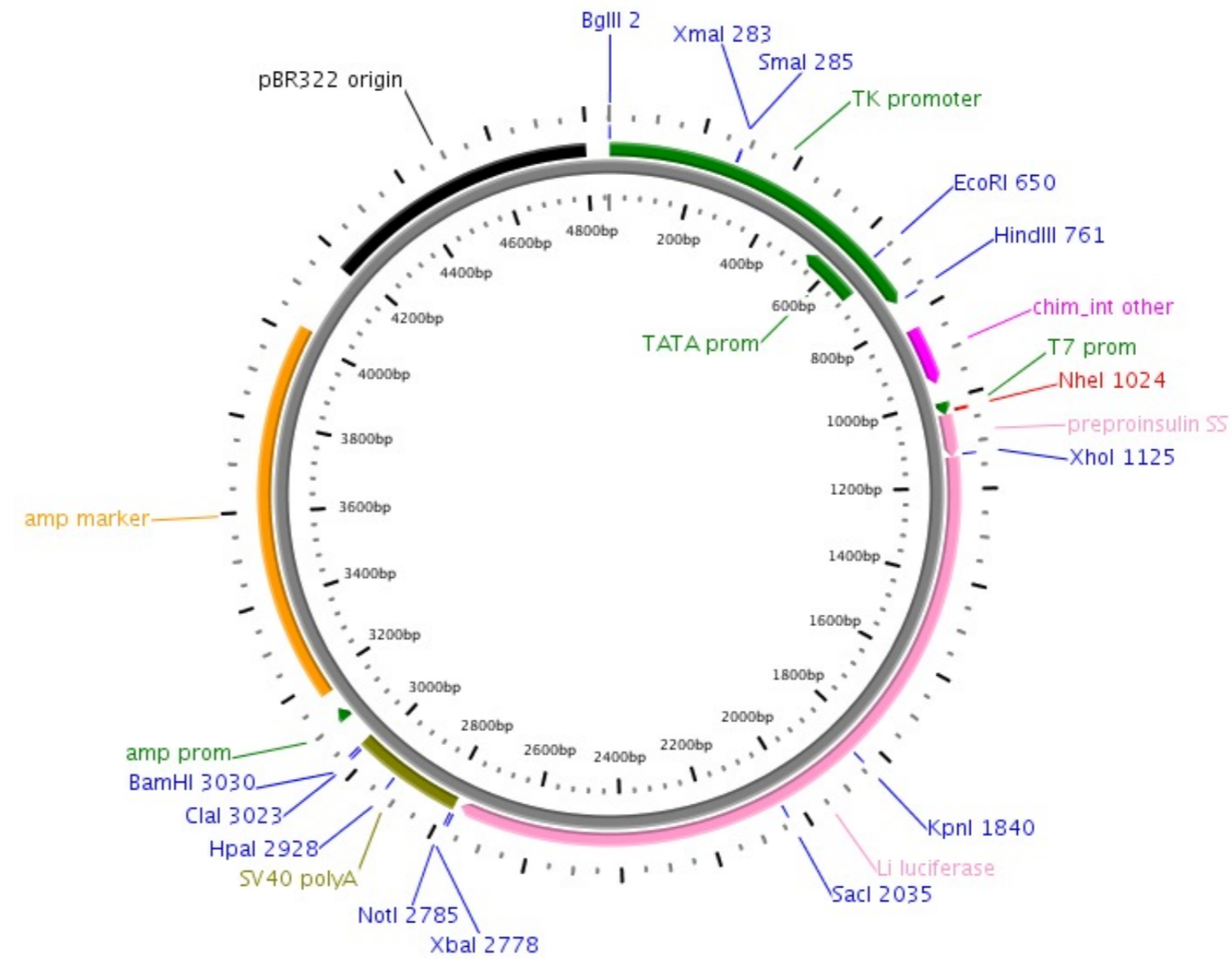
Inserts human codon-optimized red-emitting *Luciola italica* luciferase with rat preproinsulin signal sequence

Reporter gene

Promoter, splice, PolyA
 HSV TK promoter
 Chimeric intron
 T7 promoter
 SV40 late polyA

Comments - sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 28.5.13

Constructed by Lilia Bernasconi

Date constructed

PLASMID NAME

pGEX/Hsp103N

bacterial marker Amp

parent vector

pGEX-6P-1

bacterial plasmid

other relevant source constructs

pET15b/Hsp103N

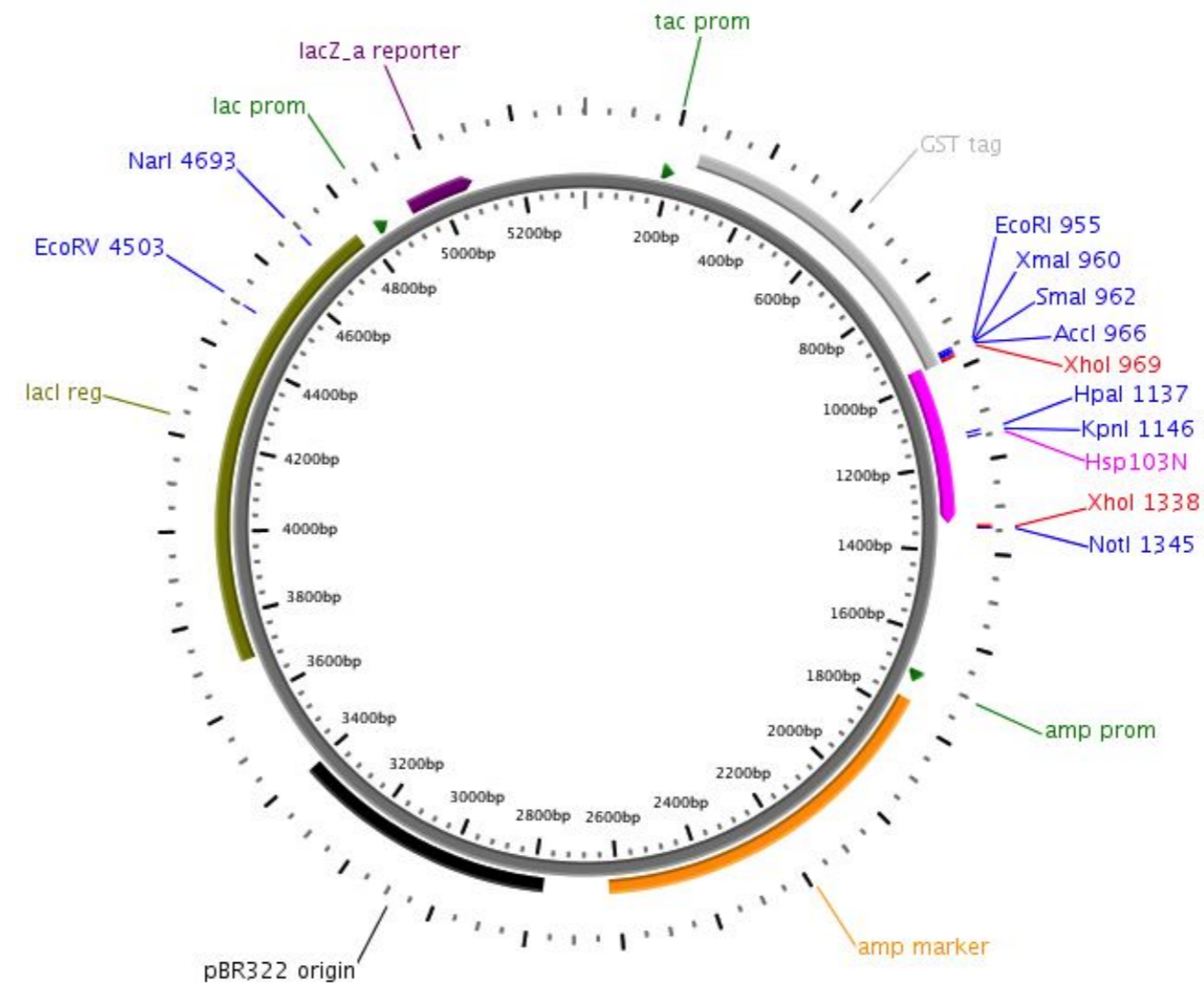
Inserts 121 aa from N-terminus portion of human Hsp90a (encoded by exons 1 and 2) fused to GST (between XhoI sites)

Reporter gene

Promoter, splice, PolyA tac promoter and internal lac gene

Comments GST tag is cleavable by PreScission Protease. Sequence is available.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Tai WANG

Date entered 23.8.13
 Date constructed 2013

PLASMID NAME

pRSET/PfHsp90-N (ISG-LGA)

bacterial marker Amp	parent vector pRSET-A
	bacterial plasmid pUC
	other relevant source constructs 2432

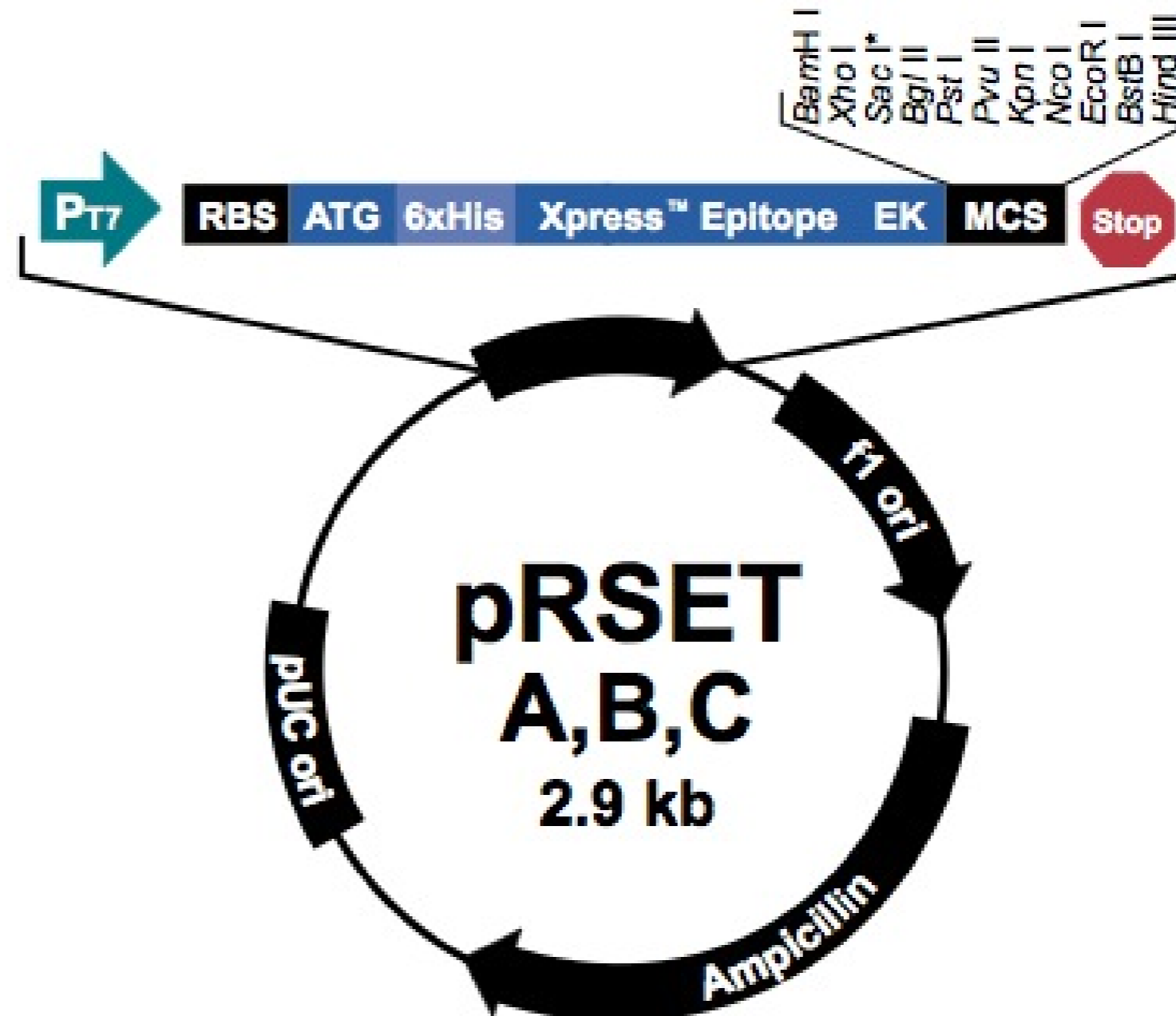
Inserts His6 tag - Xpress epitope - EK cleavage site - Plasmodium falciparum Hsp90 N-terminal (codon 1-223)
 The PfHsp90 contains tripal mutation: I108L, S110G, G111A

Reporter gene

Promoter, splice, PolyA T7

Comments
 - high copy bacterial expression vector with His6 tag
 - map shows empty expression vector
 - PfHsp90 N-terminal is cloned between BamHI and EcoRI sites
 - The sequence of the cDNA and surrounding region is available (from sequencing)

Reference Wang, T., et al., Differences in Conformational Dynamics between Plasmodium falciparum and Human Hsp90 Orthologues Enable the Structure-Based Discovery of Pathogen-Selective Inhibitors. J Med Chem, 2014.



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Tai WANG

Date entered 23.8.13
 Date constructed 2013

PLASMID NAME

pRSET/PfHsp90-N (R98K)

bacterial marker Amp	parent vector pRSET-A
	bacterial plasmid pUC
	other relevant source constructs 2432

Inserts His6 tag - Xpress epitope - EK cleavage site - Plasmodium falciparum Hsp90 N-terminal (codon 1-223)
 The PfHsp90 contains mutation R98K

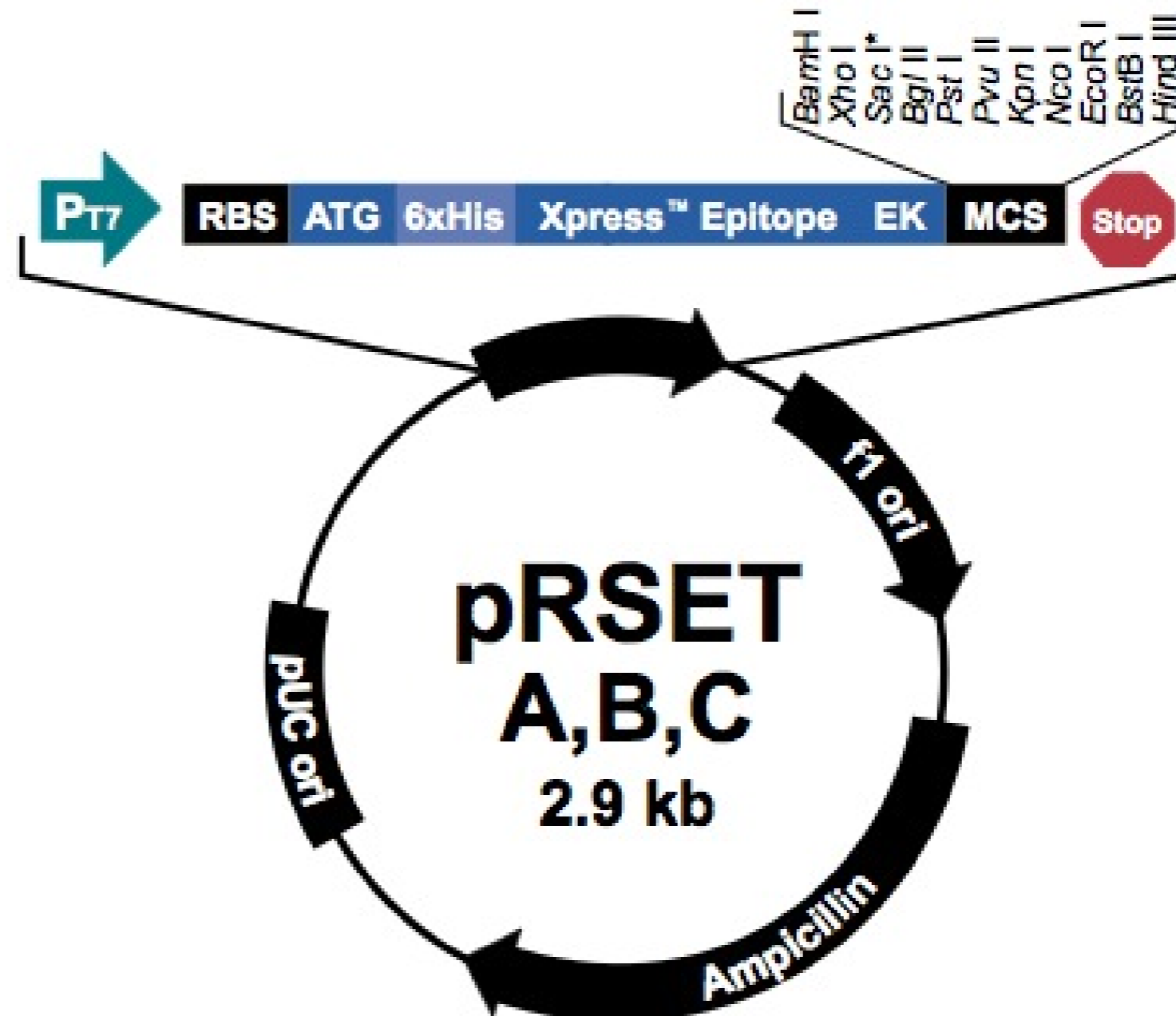
Reporter gene

Promoter, splice, PolyA T7

Comments

- high copy bacterial expression vector with His6 tag
- map shows empty expression vector
- PfHsp90 N-terminal is cloned between BamHI and EcoRI sites
- The sequence of the cDNA and surrounding region is available (from sequencing)

Reference Wang, T., et al., Differences in Conformational Dynamics between Plasmodium falciparum and Human Hsp90 Orthologues Enable the Structure-Based Discovery of Pathogen-Selective Inhibitors. J Med Chem, 2014.



Construct number 2484

Date entered 26.8.13

Constructed by Ryffel lab

Date constructed

PLASMID NAME

LCMV:ECFP(loxP)EYFP

bacterial marker Amp

parent vector pCS2+
bacterial plasmid high copy
other relevant source constructs

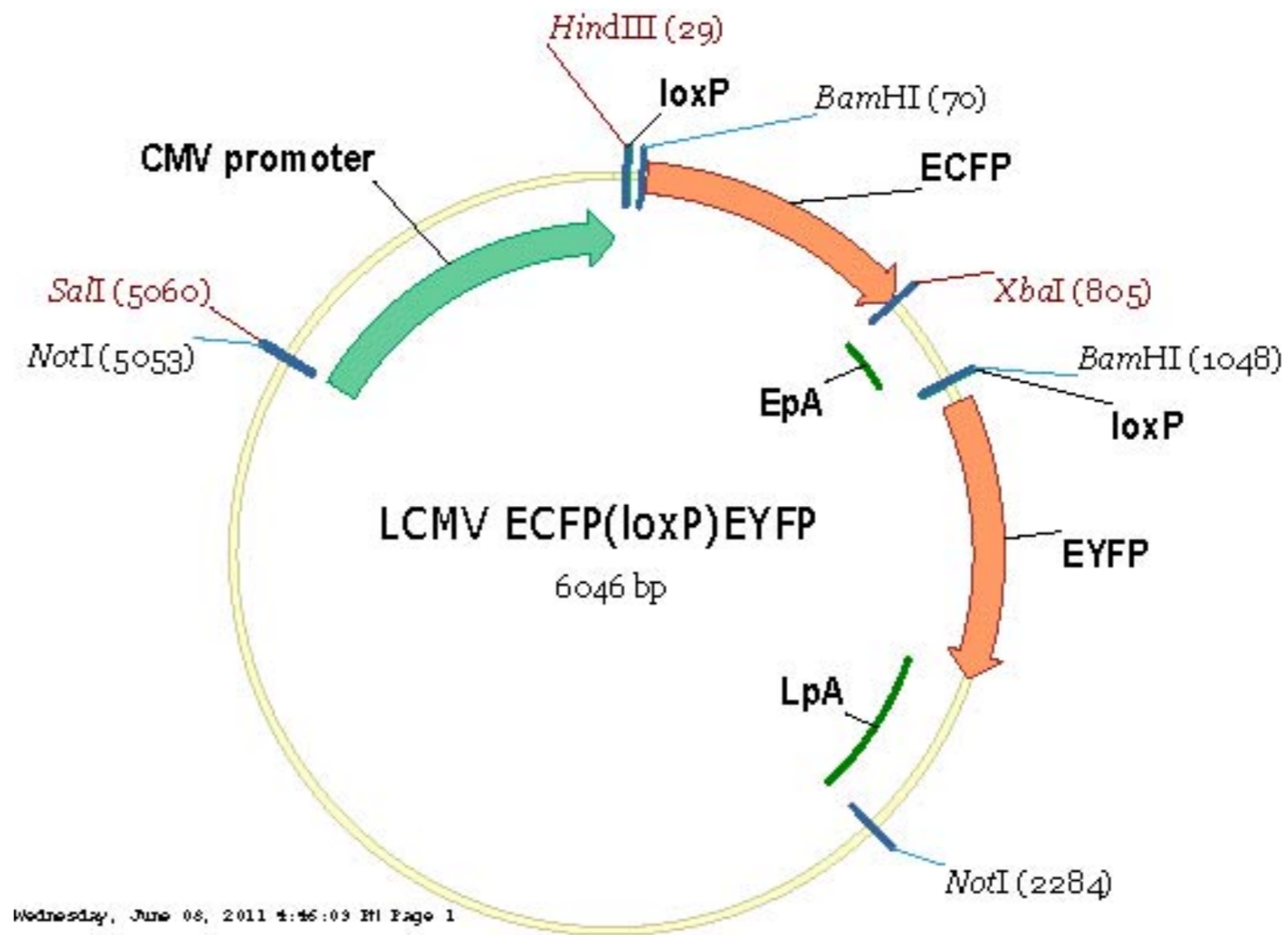
Inserts loxP-flanked ECFP upstream of EYFP separated by SV40 polyA site

Reporter gene ECFP and EYFP

Promoter, splice, PolyA CMV enhancer/promoter

Comments - "Cre reporter: from blue fluorescence to yellow fluorescence"
- received from Addgene (plasmid ID 31306)

Reference Ryffel et al. (2003) NAR 31, e44



Construct number 2485
Constructed by Clevers lab

Date entered 26.8.13
Date constructed

PLASMID NAME

pMSCV-loxp-dsRed-loxp-eGFP-Puro-WPRE

bacterial marker Amp
vertebrate marker Puromycin

parent vector pBABE?
bacterial plasmid high copy
other relevant source constructs

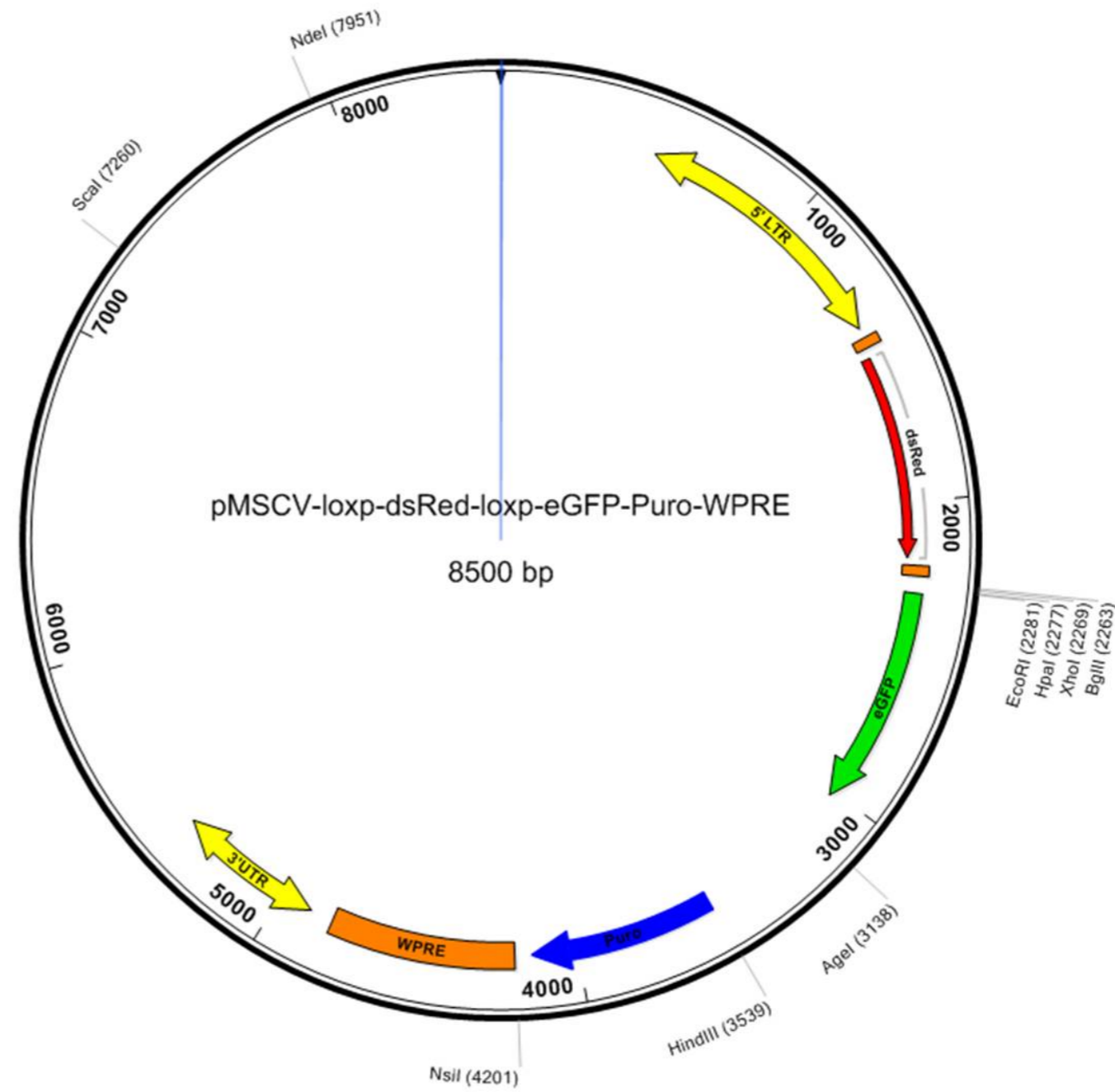
Inserts loxP-flanked dsRed upstream of eGFP in retroviral vector

Reporter gene dsRed and eGFP

Promoter, splice, PolyA MSCV 5' LTR

Comments - can be packaged into retroviral particles
- received from Addgene (plasmid ID 32702)
- sequence available

Reference Koo et al. (2011) Nat. Methods 9, 81-83



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.1.14

Constructed by Grégory Ségala

Date constructed January 2013

PLASMID NAME

bacterial marker Amp

vertebrate marker Puromycin

eukaryotic replicon SV40 ori

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts Control non-hairpin sequence inserted between EcoR1 and AgeI restriction sites in place of the stuffer :

5'-CCGCAGGTATGCACGCGT-3'

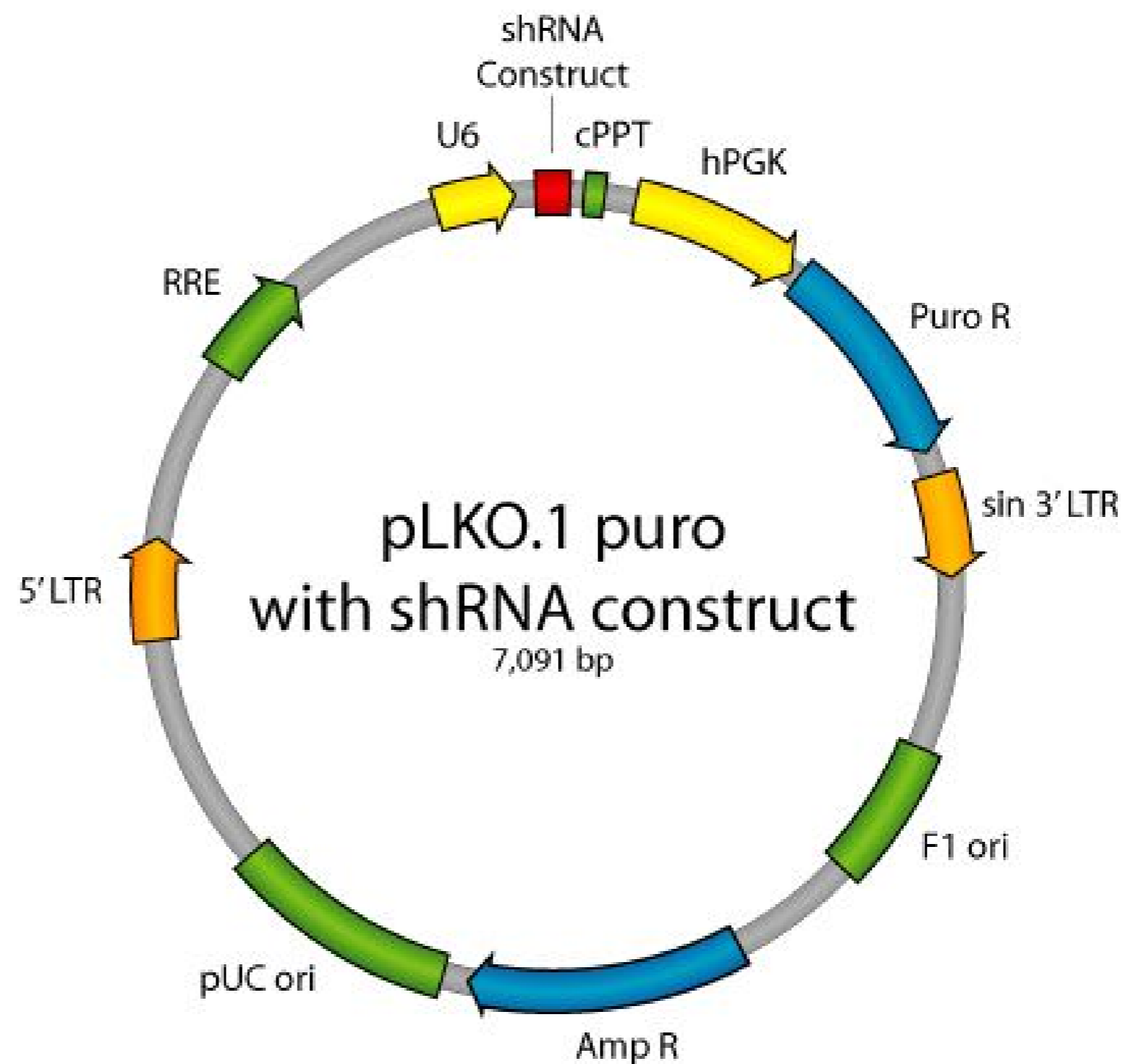
Reporter gene

Promoter, splice, PolyA U6 promoter to drive RNA pol III transcription of the shRNA sequence.

Comments For more information about this cloning you can visit :

<http://www.addgene.org/tools/protocols/plko/>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.1.14

Constructed by Grégory Ségala

Date constructed June 2013

PLASMID NAME

bacterial marker Amp

vertebrate marker Puromycin

eukaryotic replicon SV40 ori

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts Control sequence directed against GFP inserted between EcoR1 and AgeI restriction sites in place of the stuffer. The specific sequence targeting GFP is :

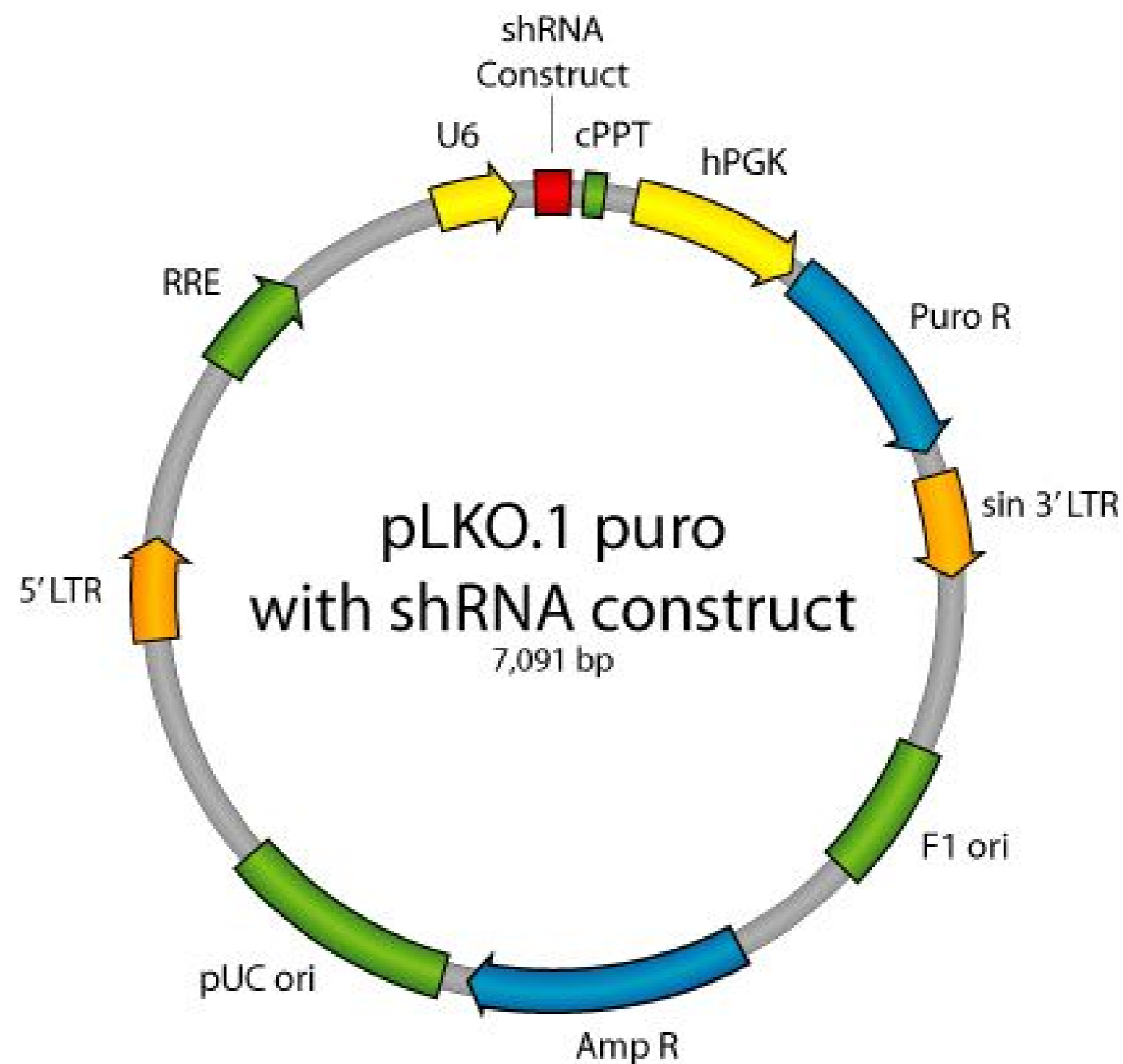
5'-GCAAGCTGACCCTGAAGTTCAT-3'

Reporter gene

Promoter, splice, PolyA U6 promoter to drive RNA pol III transcription of the shRNA sequence.

Comments For more information about this cloning you can visit :
<http://www.addgene.org/tools/protocols/plko/>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.1.14

Constructed by Grégory Ségala

Date constructed June 2013

PLASMID NAME

bacterial marker Amp

vertebrate marker Puromycin

eukaryotic replicon SV40 ori

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts Control sequence directed against LacZ inserted between EcoR1 and AgeI restriction sites in place of the stuffer. The specific sequence targeting LacZ is :

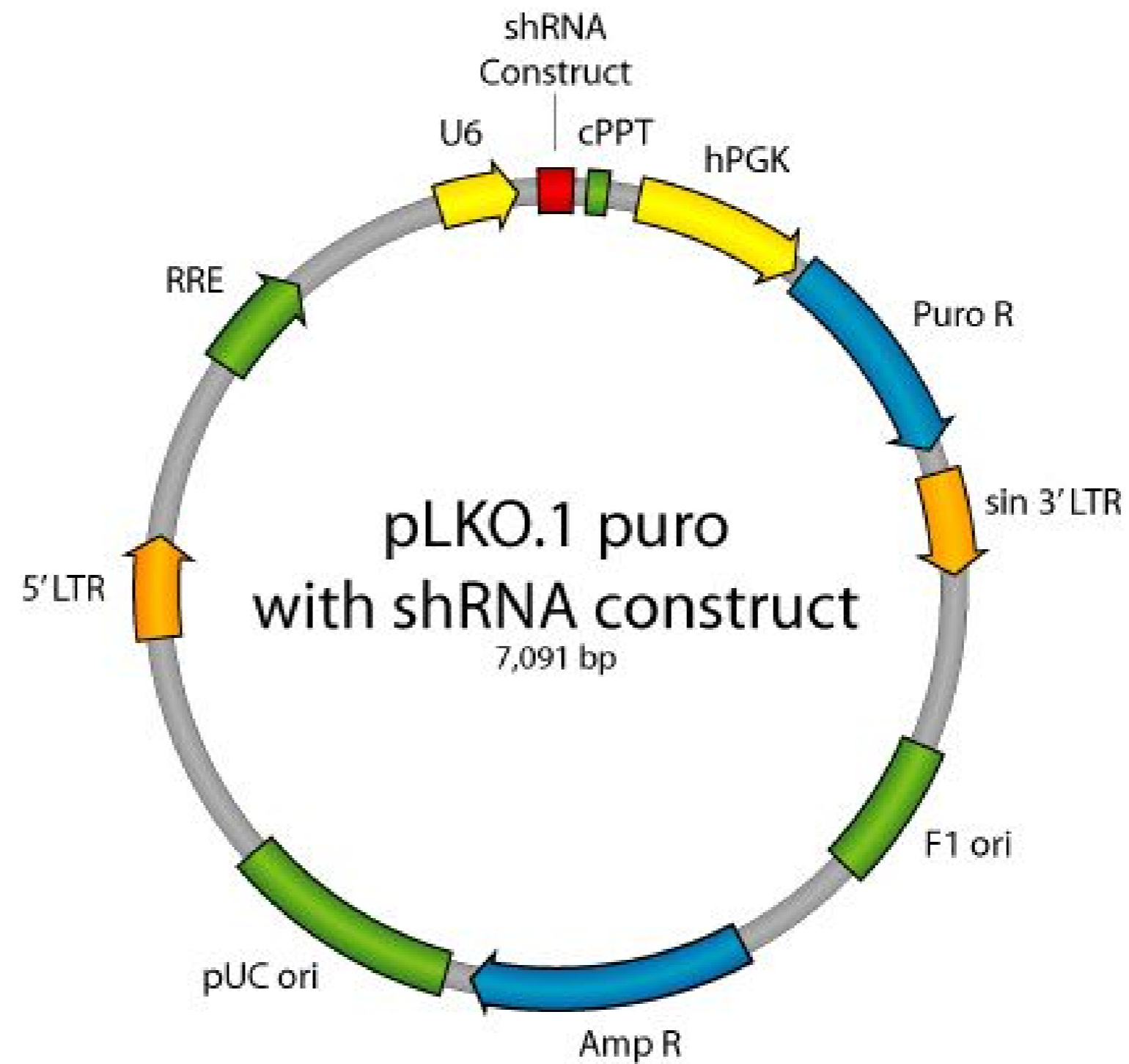
5'-CGCTAAATACTGGCAGGCGTT-3'

Reporter gene

Promoter, splice, PolyA U6 promoter to drive RNA pol III transcription of the shRNA sequence.

Comments For more information about this cloning you can visit :
<http://www.addgene.org/tools/protocols/plko/>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.1.14

Constructed by Addgene

Date constructed Feb 2013

PLASMID NAME

pLKO.1_Neomycin

bacterial marker Amp	parent vector pLKO.1
vertebrate marker Neo (G418)	bacterial plasmid
eukaryotic replicon SV40 ori	other relevant source constructs

Inserts Control non-hairpin sequence was inserted in place of stuffer, between EcoRI and AgeI sites :
5'-CCGCAGGTATGCACGCGT-3'

Reporter gene

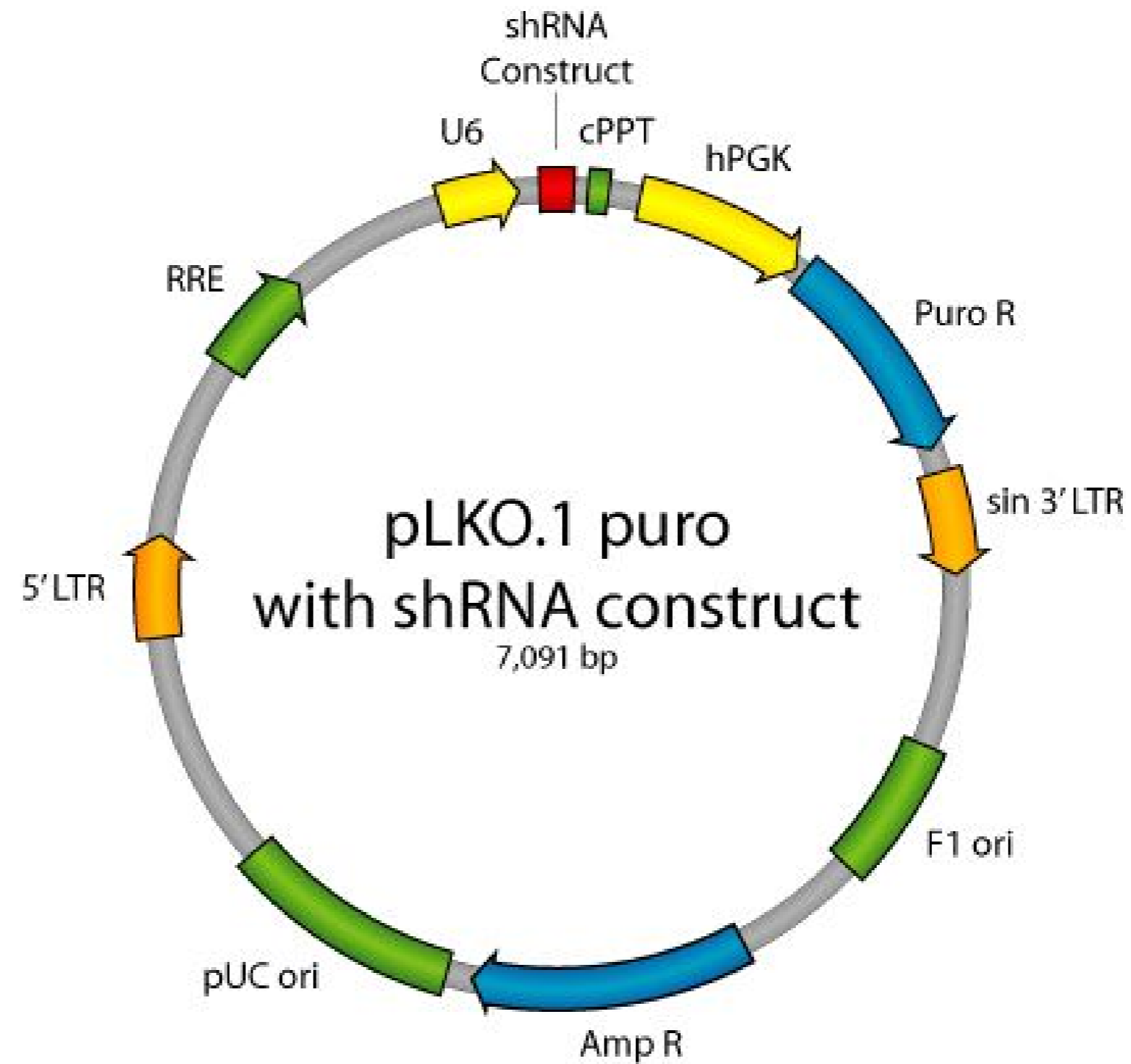
Promoter, splice, PolyA U6 promoter to drive RNA pol III transcription of the shRNA sequence.

Comments For more information on this vector, look at this page :

<http://www.addgene.org/13425/>

The vector map is the one of the pLKO.1 Puro, not pLKO.1 Neo. The only difference is at the level of the antibiotic selection.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.1.14

Constructed by Grégory Ségala

Date constructed May 2013

PLASMID NAME

pLKO.1_shRNF20.2

bacterial marker Amp	parent vector pLKO.1
vertebrate marker Puromycin	bacterial plasmid
eukaryotic replicon SV40 ori	other relevant source constructs

Inserts Sequence directed against human RNF20 inserted between EcoR1 and AgeI restriction sites in place of the stuffer. The specific sequence targeting hRNF20 is :

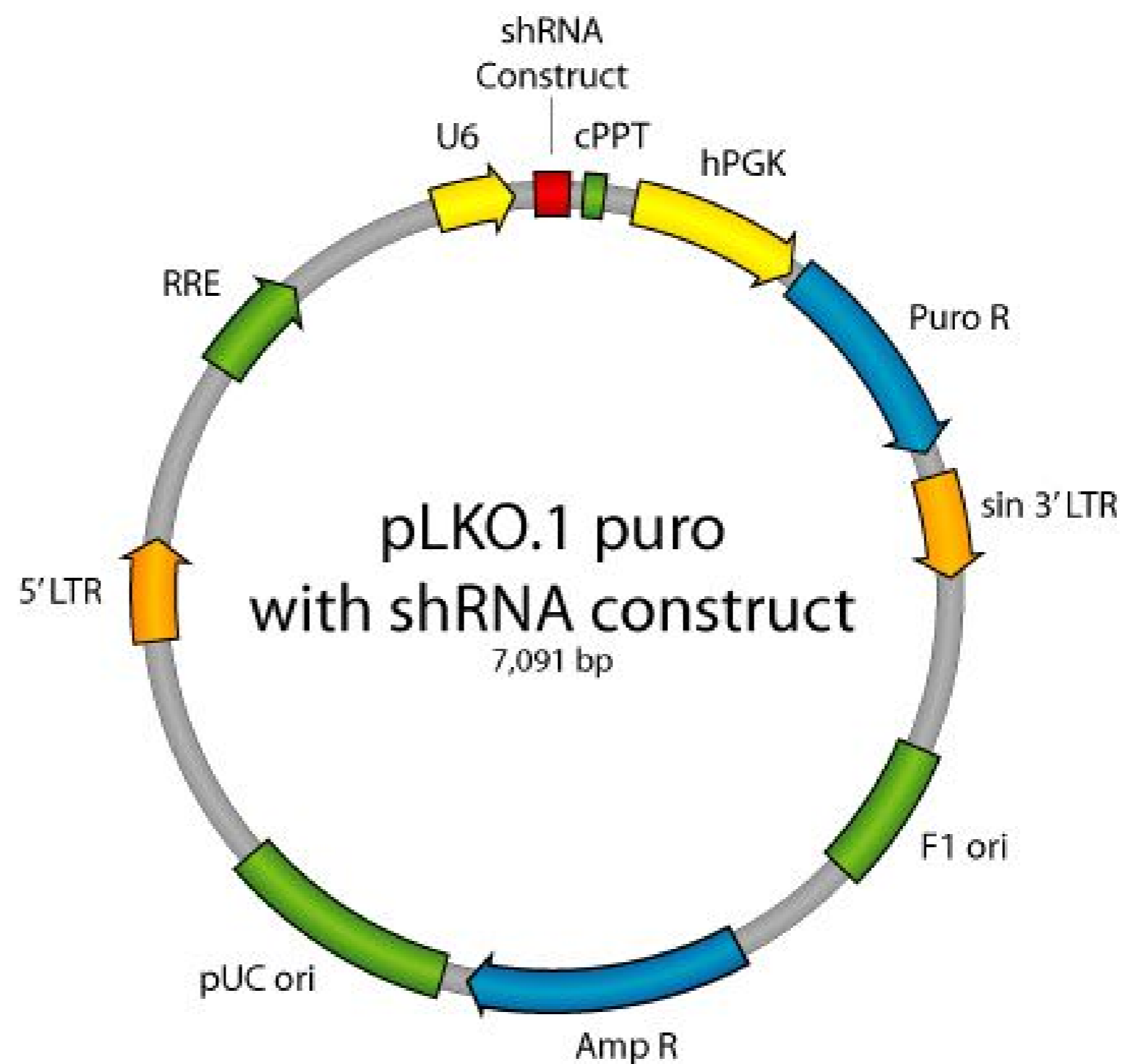
5'-CCCTTTGTCTTCTAATGAATT-3'

Reporter gene

Promoter, splice, PolyA U6 promoter to drive RNA pol III transcription of the shRNA sequence.

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al., Molecular Cell (2016)



DIDIER PICARD LAB, University of Geneva

Construct number 2491

Date entered 22.1.14

Constructed by Grégory Ségala

Date constructed January 2013

PLASMID NAME

pLKO.1_shRNF20.1

bacterial marker Amp

vertebrate marker Puromycin

eukaryotic replicon SV40 ori

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts Sequence directed against human RNF20 inserted between EcoR1 and AgeI restriction sites in place of the stuffer. The specific sequence targeting hRNF20 is :

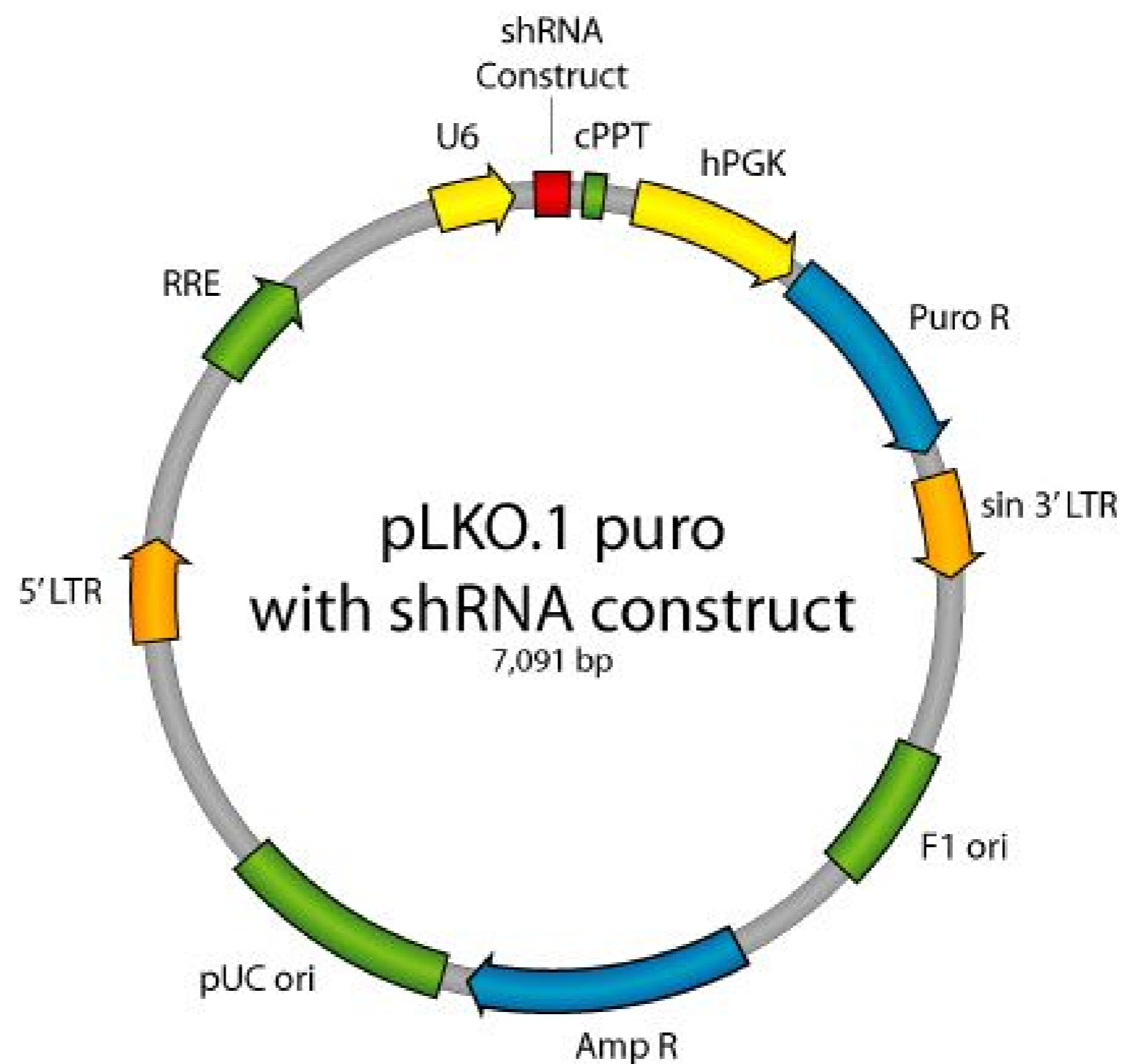
5'-TAAGTGTCGGTTGAGTCGCTG-3'

Reporter gene

Promoter, splice, PolyA U6 promoter to drive RNA pol III transcription of the shRNA sequence.

Comments For more information about this cloning you can visit :
<http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al., Molecular Cell (2016)



DIDIER PICARD LAB, University of Geneva

Construct number 2492

Date entered 22.1.14

Constructed by Grégory Ségala

Date constructed January 2013

PLASMID NAME

pLKO.1_shRNF40.1

bacterial marker Amp

vertebrate marker Puromycin

eukaryotic replicon SV40 ori

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts Sequence directed against human RNF40 inserted between EcoR1 and AgeI restriction sites in place of the stuffer. The specific sequence targeting hRNF40 is :

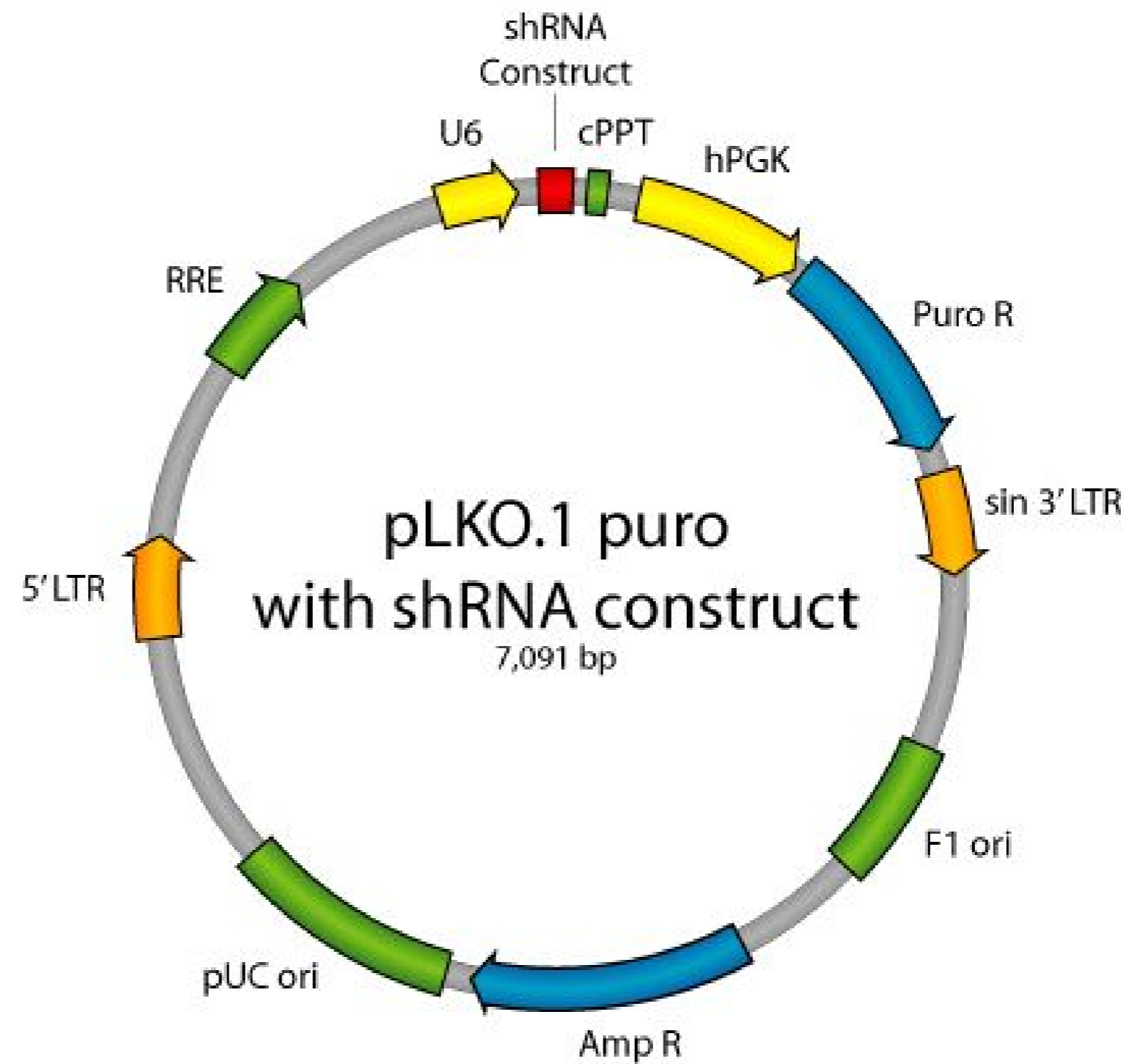
5'-TGACCTGTCACATCCATCTCT-3'

Reporter gene

Promoter, splice, PolyA U6 promoter to drive RNA pol III transcription of the shRNA sequence.

Comments For more information about this cloning you can visit :
<http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al., Molecular Cell (2016)



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.1.14

Constructed by Grégory Ségala

Date constructed May 2013

PLASMID NAME

bacterial marker Amp	parent vector pLKO.1
vertebrate marker Puromycin	bacterial plasmid
eukaryotic replicon SV40 ori	other relevant source constructs

Inserts Sequence directed against human RNF40 inserted between EcoR1 and AgeI restriction sites in place of the stuffer. The specific sequence targeting hRNF40 is :

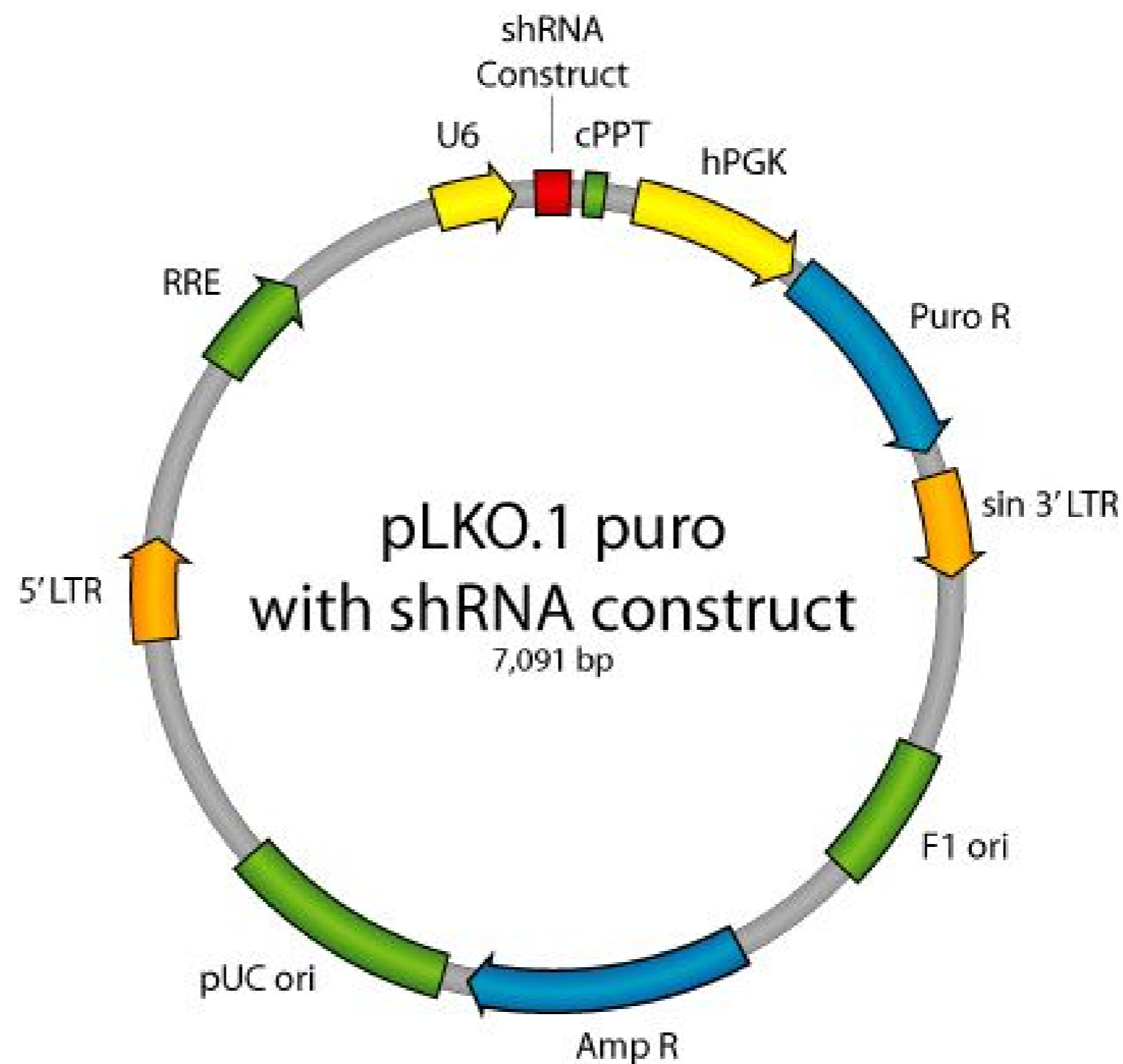
5'-GCTGTTAATTGTGATGAATTT-3'

Reporter gene

Promoter, splice, PolyA U6 promoter to drive RNA pol III transcription of the shRNA sequence.

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al., Molecular Cell (2016)



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.1.14

Constructed by Grégory Ségala

Date constructed June 2013

PLASMID NAME

pLKO.1_shVps11.8

bacterial marker Amp	parent vector pLKO.1
vertebrate marker Puromycin	bacterial plasmid
eukaryotic replicon SV40 ori	other relevant source constructs

Inserts Sequence directed against human hVps11 inserted between EcoR1 and AgeI restriction sites in place of the stuffer. The specific sequence targeting hVps11 is :

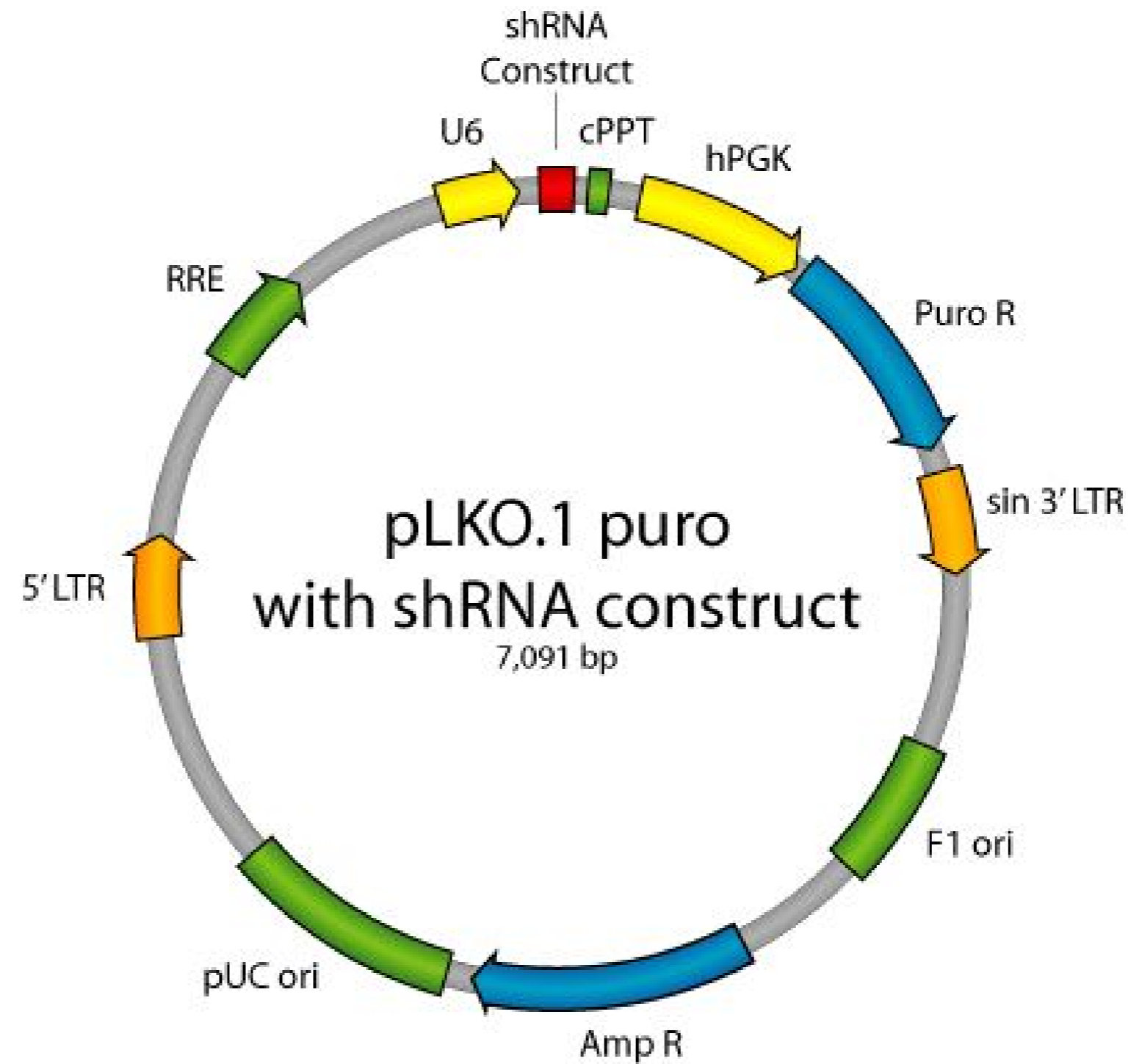
5'-GACCAAGAGAACAGACACATT-3'

Reporter gene

Promoter, splice, PolyA U6 promoter to drive RNA pol III transcription of the shRNA sequence.

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.1.14

Constructed by Grégory Ségala

Date constructed Sep 2013

PLASMID NAME

pLKO.1_shVps11.10

bacterial marker Amp	parent vector pLKO.1
vertebrate marker Puromycin	bacterial plasmid
eukaryotic replicon SV40 ori	other relevant source constructs

Inserts Sequence directed against human hVps11 inserted between EcoR1 and AgeI restriction sites in place of the stuffer. The specific sequence targeting hVps11 is :

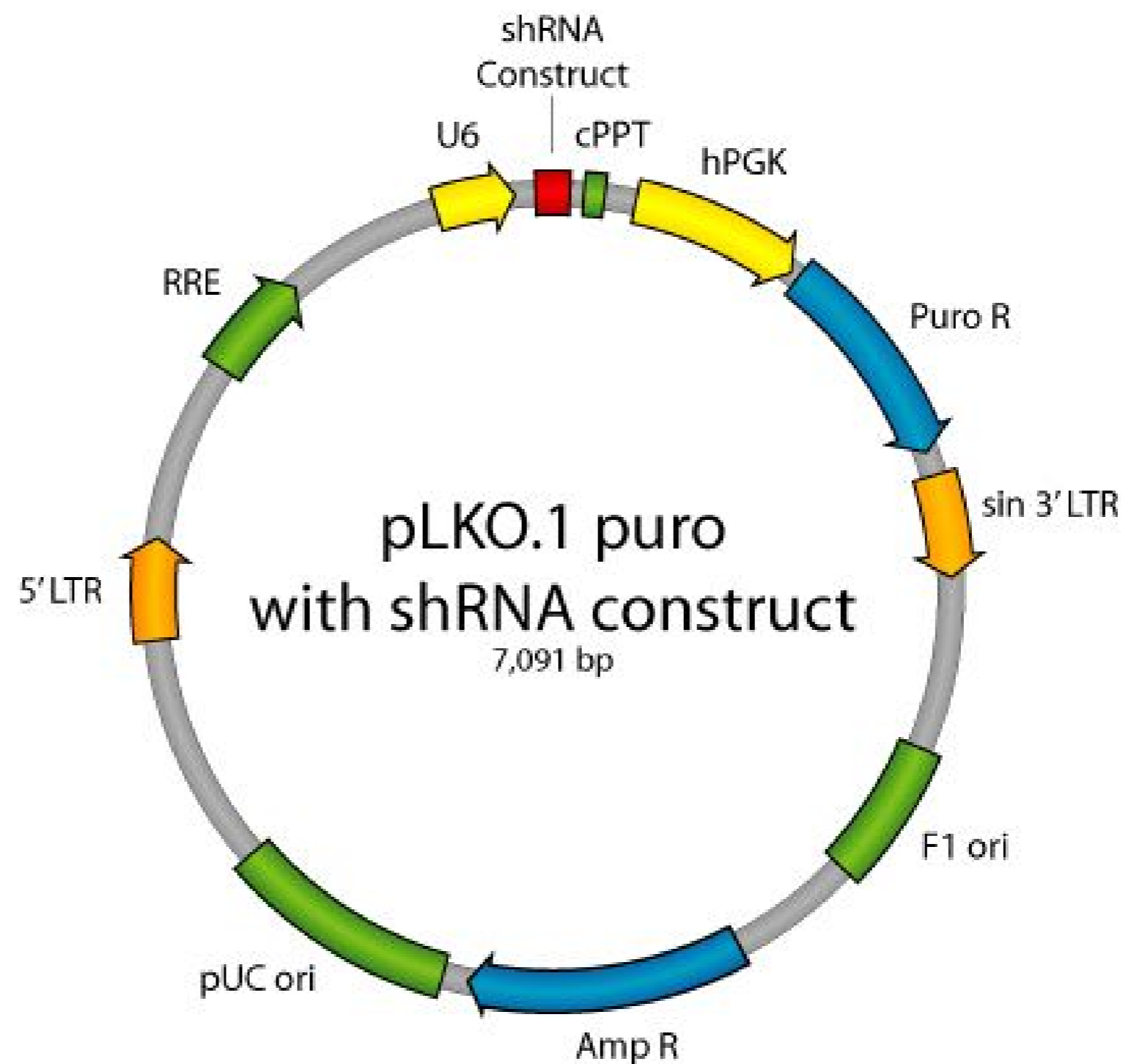
5'-CAGCTGTCCTCAAGCATATTT-3'

Reporter gene

Promoter, splice, PolyA U6 promoter to drive RNA pol III transcription of the shRNA sequence.

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.1.14

Constructed by Dharmacon (TRC)

Date constructed October 2012

PLASMID NAME

bacterial marker Amp

vertebrate marker Puromycin

eukaryotic replicon SV40 ori

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts Sequence directed against human hVps16 inserted between EcoR1 and AgeI restriction sites in place of the stuffer.

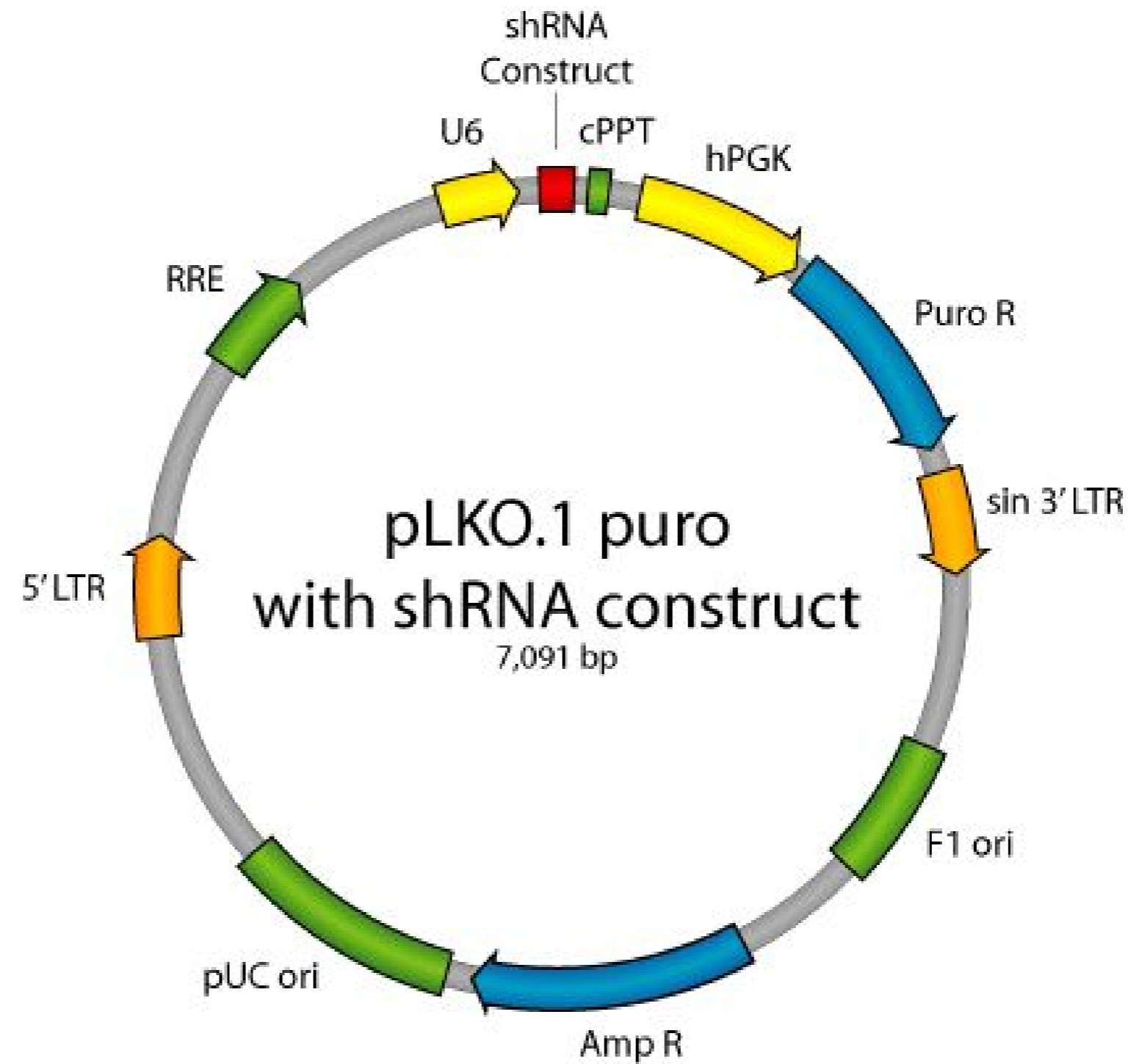
Reporter gene

Promoter, splice, PolyA U6 promoter to drive RNA pol III transcription of the shRNA sequence.

Comments For more information you can visit :

<http://www.thermoscientificbio.com/shrna/trc-lentiviral-shrna/?term=VPS16&sourceId=EG/64601&productId=1961A1D5-D4C1-4A23-A7D0-81D8B30525CB>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.1.14

Constructed by Grégory Ségala

Date constructed Sep 2013

PLASMID NAME

bacterial marker Amp	parent vector pLKO.1
vertebrate marker Puromycin	bacterial plasmid
eukaryotic replicon SV40 ori	other relevant source constructs

Inserts Sequence directed against human hVps16 inserted between EcoR1 and AgeI restriction sites in place of the stuffer. The specific sequence targeting hVps16 is :

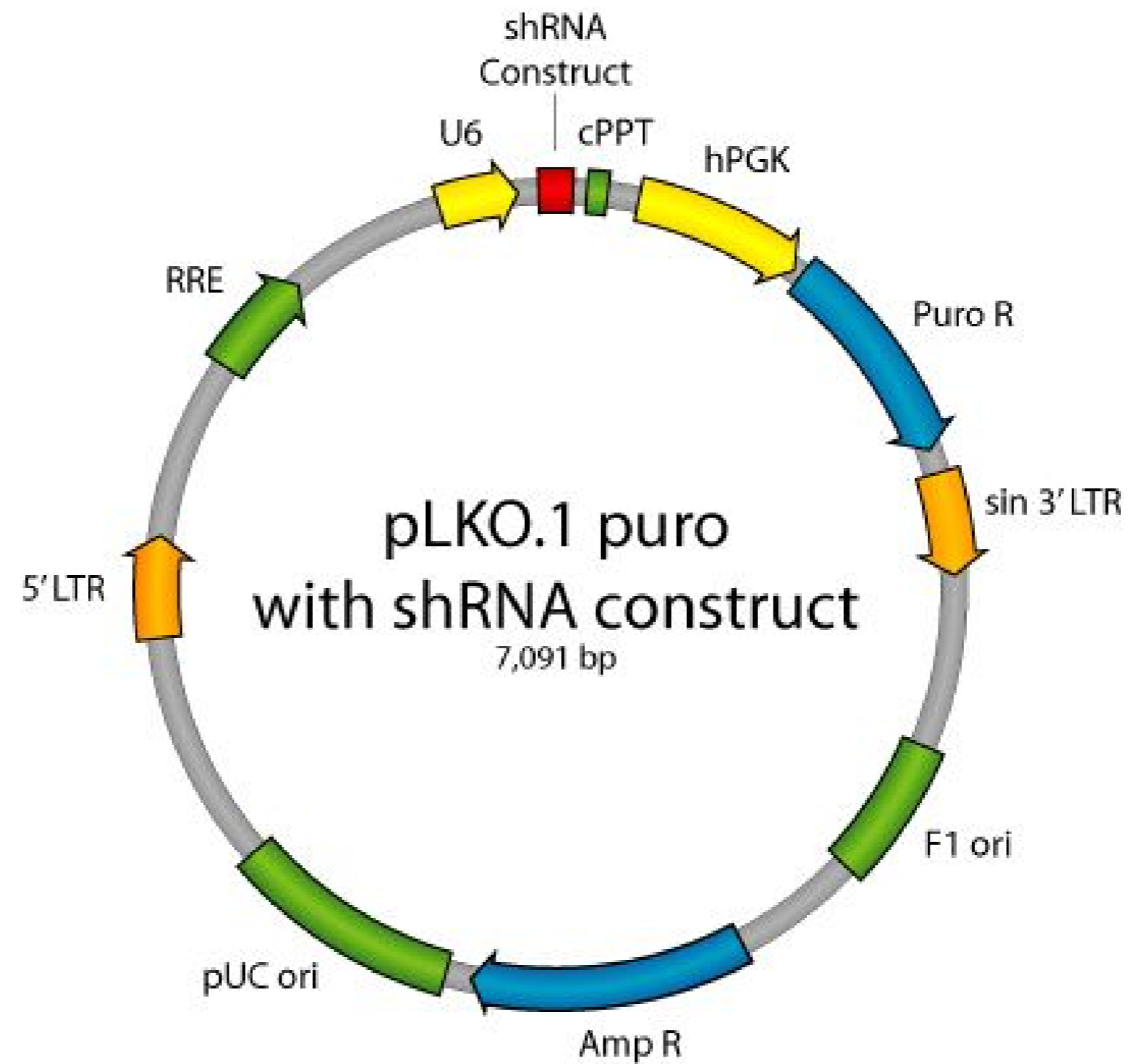
5'-GTGCAACAGAAGGATGTCTTT-3'

Reporter gene

Promoter, splice, PolyA U6 promoter to drive RNA pol III transcription of the shRNA sequence.

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number 2498

Date entered 22.1.14

Constructed by Grégory Ségala

Date constructed Feb 2013

PLASMID NAME

pLKO.1_shVps18.2

bacterial marker Amp

vertebrate marker Puromycin

eukaryotic replicon SV40 ori

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts Sequence directed against human hVps18 inserted between EcoR1 and AgeI restriction sites in place of the stuffer. The specific sequence targeting hVps18 is :

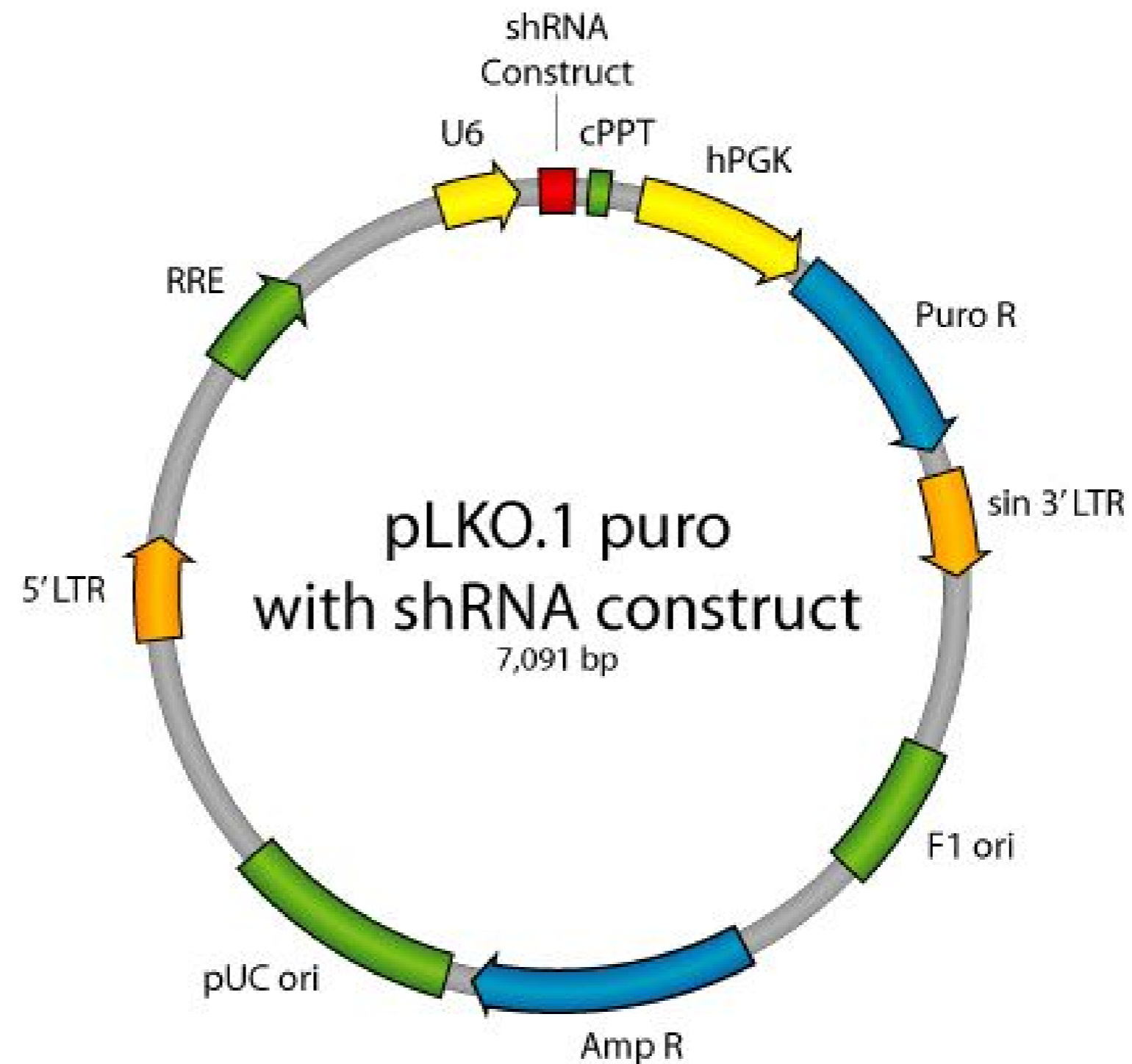
5'-GGAGAGCATTAACTGTCTTT-3'

Reporter gene

Promoter, splice, PolyA U6 promoter to drive RNA pol III transcription of the shRNA sequence.

Comments For more information about this cloning you can visit :
<http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number 2499

Date entered 22.1.14

Constructed by Grégory Ségala

Date constructed June 2013

PLASMID NAME

pLKO.1_shVps18.3

bacterial marker Amp

vertebrate marker Puromycin

eukaryotic replicon SV40 ori

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts Sequence directed against human hVps18 inserted between EcoR1 and AgeI restriction sites in place of the stuffer. The specific sequence targeting hVps18 is :

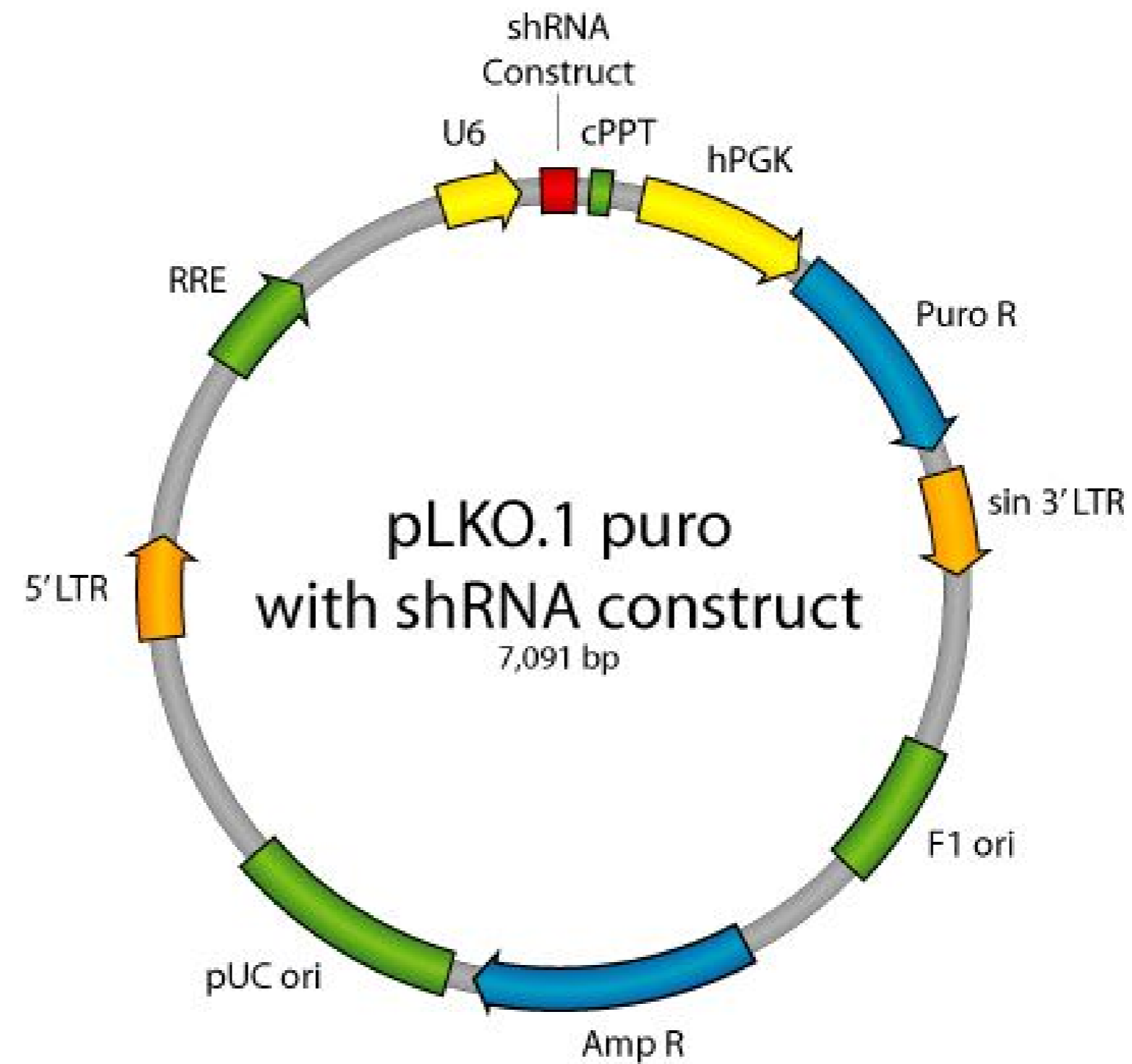
5'-GGGTGAGAAAGTGATGCTATT-3'

Reporter gene

Promoter, splice, PolyA U6 promoter to drive RNA pol III transcription of the shRNA sequence.

Comments For more information about this cloning you can visit :
<http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.1.14

Constructed by Grégory Ségala

Date constructed March 2013

PLASMID NAME

bacterial marker Amp	parent vector pLKO.1
vertebrate marker Puromycin	bacterial plasmid
eukaryotic replicon SV40 ori	other relevant source constructs

Inserts Sequence directed against human hVps33A inserted between EcoR1 and AgeI restriction sites in place of the stuffer. The specific sequence targeting hVps33A is :

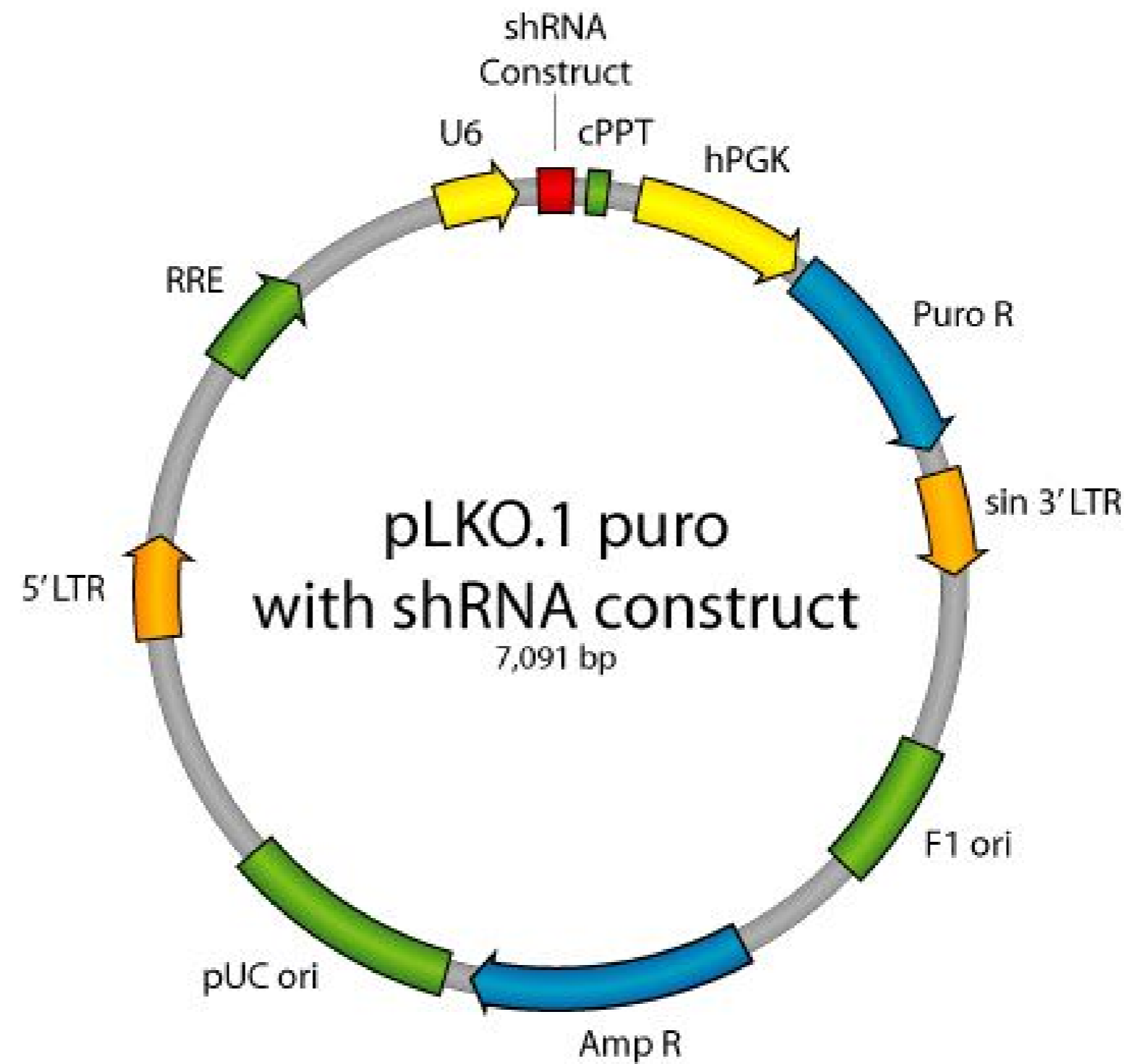
5'-GGGTCAGCTTCTTAAATTATT-3'

Reporter gene

Promoter, splice, PolyA U6 promoter to drive RNA pol III transcription of the shRNA sequence.

Comments For more information about this cloning you can visit :
<http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.1.14

Constructed by Grégory Ségala

Date constructed Sep 2013

PLASMID NAME

pLKO.1_shVps33A.3

bacterial marker Amp	parent vector pLKO.1
vertebrate marker Puromycin	bacterial plasmid
eukaryotic replicon SV40 ori	other relevant source constructs

Inserts Sequence directed against human hVps33A inserted between EcoR1 and AgeI restriction sites in place of the stuffer. The specific sequence targeting hVps33A is :

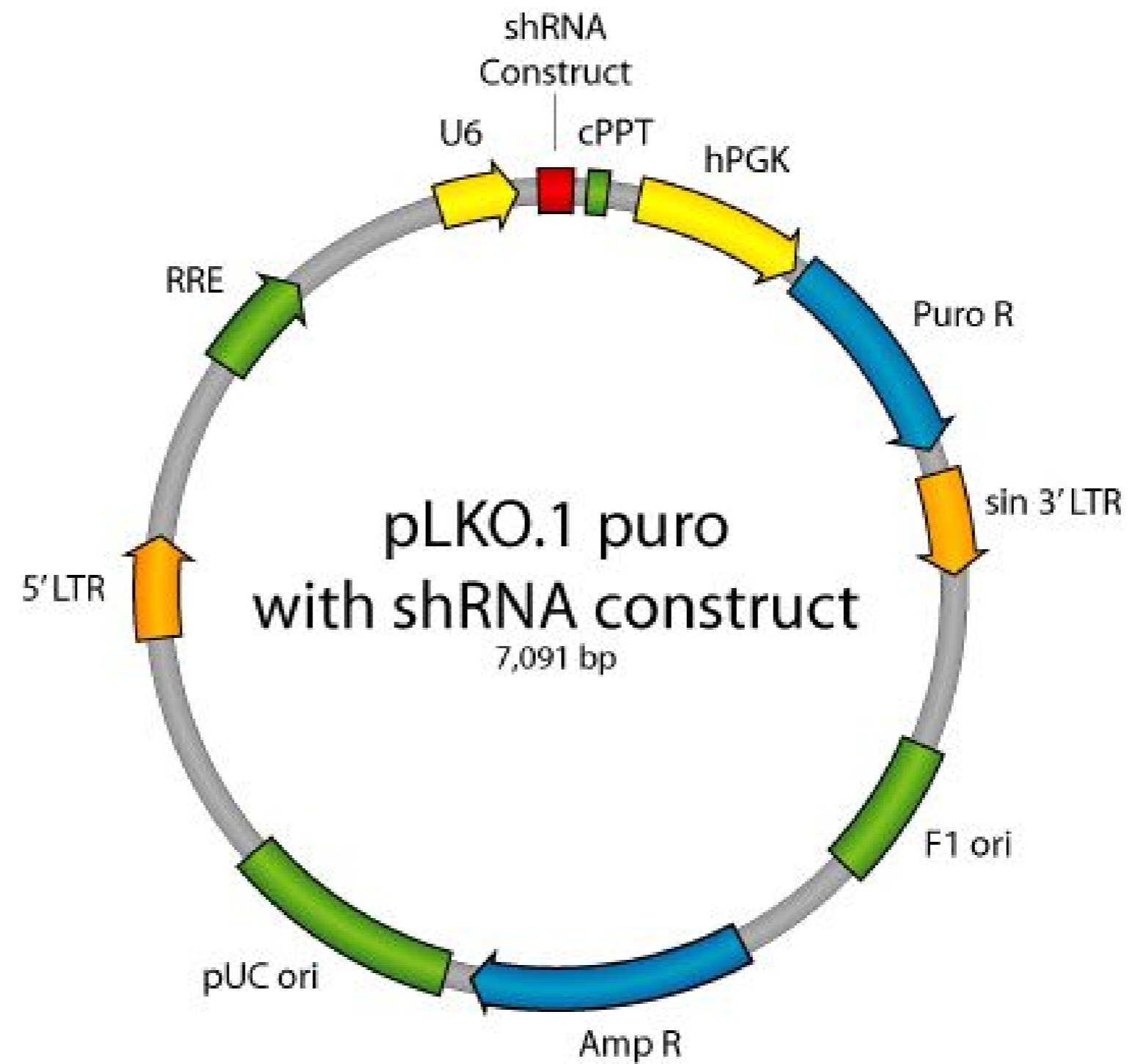
5'-GCTGATGTGAAGAATATAATT-3'

Reporter gene

Promoter, splice, PolyA U6 promoter to drive RNA pol III transcription of the shRNA sequence.

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.1.14

Constructed by Grégory Ségala

Date constructed Nov 2013

PLASMID NAME

pLKO.1_shTSG101.1

bacterial marker Amp	parent vector pLKO.1
vertebrate marker Puromycin	bacterial plasmid
eukaryotic replicon SV40 ori	other relevant source constructs

Inserts Sequence directed against human hTSG101 inserted between EcoR1 and AgeI restriction sites in place of the stuffer. The specific sequence targeting hTSG101 is :

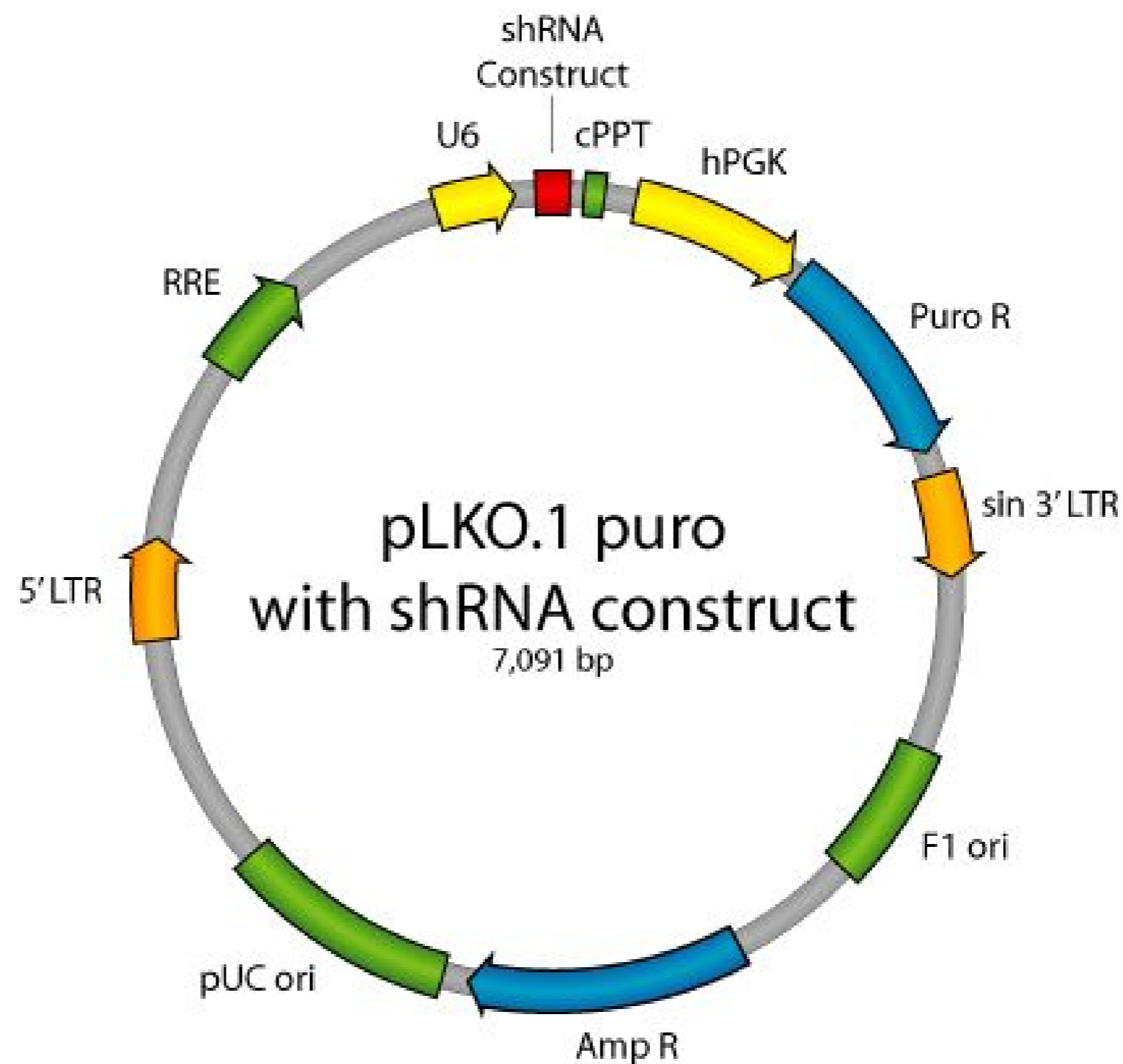
5'-GGTGCCAGAAATAAGTTATTT-3'

Reporter gene

Promoter, splice, PolyA U6 promoter to drive RNA pol III transcription of the shRNA sequence.

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.1.14

Constructed by Grégory Ségala

Date constructed Nov 2013

PLASMID NAME

pLKO.1_shTSG101.3

bacterial marker Amp	parent vector pLKO.1
vertebrate marker Puromycin	bacterial plasmid
eukaryotic replicon SV40 ori	other relevant source constructs

Inserts Sequence directed against human hTSG101 inserted between EcoR1 and AgeI restriction sites in place of the stuffer. The specific sequence targeting hTSG101 is :

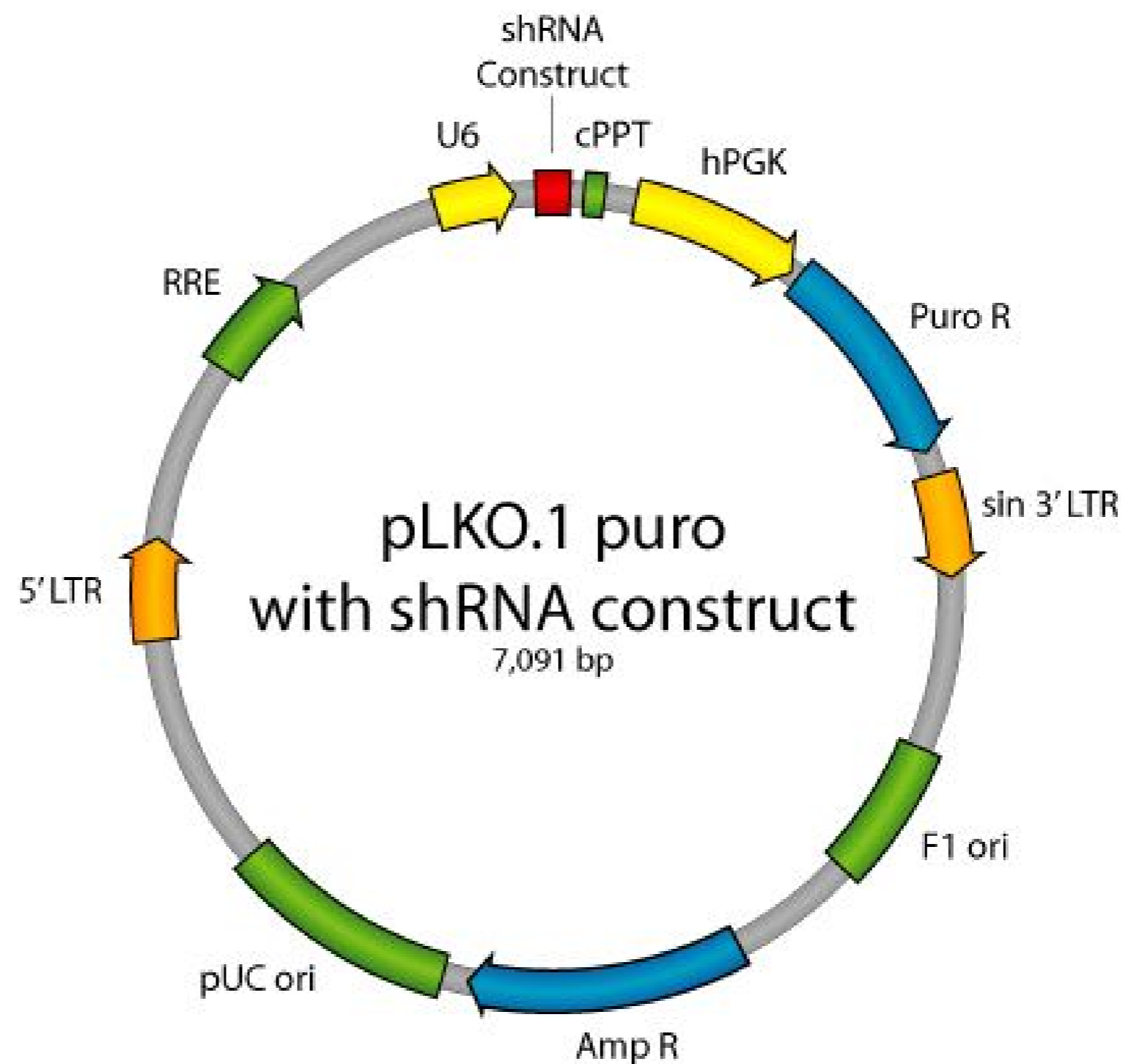
5'-GCACTTTCTATCCTCTGTATT-3'

Reporter gene

Promoter, splice, PolyA U6 promoter to drive RNA pol III transcription of the shRNA sequence.

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.1.14

Constructed by Aurélien Roux's lab

Date constructed October 2013

PLASMID NAME

GFP-Dynamin2

bacterial marker Amp

parent vector

pGFP-C2

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments Encodes the human Dynamin2 wild-type fused to GFP

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

2505

Date entered

22.1.14

Constructed by

Aurélien Roux's lab

Date constructed

October 2013

PLASMID NAME

mCherry-Dynamin2

bacterial marker

Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Encodes the human Dynamin2 wild-type fused to mCherry

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

2506

Date entered

22.1.14

Constructed by

Grégory Ségala

Date constructed

July 2013

PLASMID NAME

3xFlag-Dynamin2 K44A

bacterial marker Amp

parent vector

pDEST8-Dynamin2 K44A

bacterial plasmid

other relevant source constructs

p3xFLAG/MCS

Inserts

The human Dynamin2 bearing the mutation K44A was transferred from pDEST8 to p3xFlag vector. The parent vector was a generous gift from Aurélien Roux's lab.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.1.14

Constructed by Moshe Oren's lab

Date constructed Sep 2013

PLASMID NAME

Flag-H2B

bacterial marker Amp

parent vector

pcDNA3

bacterial plasmid

other relevant source constructs

Inserts The human histone H2B cDNA was cloned in pcDNA3 between BamHI and XbaI sites.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.1.14

Constructed by Moshe Oren's lab

Date constructed Sep 2013

PLASMID NAME

Flag-H2B K(120,125)R

bacterial marker Amp

parent vector

pcDNA3

bacterial plasmid

other relevant source constructs

Inserts

The human histone H2B cDNA carrying mutations K120R and K125R (sites for ubiquitination) was cloned in pcDNA3 between BamHI and XbaI sites.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.1.14

Constructed by Transomics

Date constructed October 2012

PLASMID NAME

Vps11

bacterial marker Amp

parent vector
pCMV-SPORT6
bacterial plasmid

other relevant source constructs

Inserts The human Vps11 was cloned in pCMV-SPORT6 vector

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Segala et al. (2019). Nat. Commun. 10, 1833.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.1.14

Constructed by Transomics

Date constructed October 2012

PLASMID NAME

Vps16

bacterial marker Amp

parent vector
pCMV-SPORT6
bacterial plasmid

other relevant source constructs

Inserts The human Vps16 was cloned in pCMV-SPORT6 vector

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Segala et al. (2019). Nat. Commun. 10, 1833.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.1.14

Constructed by Robert Piper's lab

Date constructed October 2012

PLASMID NAME

GFP-mVps18

bacterial marker Kan

vertebrate marker Neo (G418)

parent vector

pEGFP-C1

bacterial plasmid

other relevant source constructs

Inserts The murine Vps18 was cloned into pEGFP-C1 vector between KpnI and BamHI sites.

Reporter gene

Promoter,
splice,
PolyA CMV

Comments

Reference Segala et al. (2019). Nat. Commun. 10, 1833.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.1.14

Constructed by Grégory Ségala

Date constructed June 2013

PLASMID NAME

Vps33A

bacterial marker Amp

parent vector

pCMV4

bacterial plasmid

other relevant source constructs

Inserts The human Vps33A cDNA was cloned into pCMV4

Reporter gene

Promoter,
splice,
PolyA CMV

Comments

Reference Segala et al. (2019). Nat. Commun. 10, 1833.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.1.14

Constructed by Grégory Ségala

Date constructed June 2013

PLASMID NAME

Vps33B

bacterial marker Amp

parent vector

pCMV4

bacterial plasmid

other relevant source constructs

Inserts The human Vps33B cDNA was cloned into pCMV4

Reporter gene

Promoter,
splice,
PolyA CMV

Comments

Reference Segala et al. (2019). Nat. Commun. 10, 1833.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.1.14

Constructed by Grégory Ségala

Date constructed October 2013

PLASMID NAME

mCherry-Vps11

bacterial marker Amp

parent vector
pCMV-SPORT6
bacterial plasmid

other relevant source constructs
pmCherry

Inserts The mCherry tag was inserted upstream of the Vps11 cDNA in the pCMV-SPORT6 vector

Reporter gene

Promoter,
splice,
PolyA CMV

Comments

Reference Segala et al. (2019). Nat. Commun. 10, 1833.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.1.14

Constructed by Grégory Ségala

Date constructed October 2013

PLASMID NAME

mCherry-mVps18

bacterial marker Amp

parent vector

pEGFP-C1

bacterial plasmid

other relevant source constructs

pmCherry

Inserts The mCherry tag was inserted upstream of the mVps18 cDNA in the pEGFP-C1 vector

Reporter gene

Promoter,
splice,
PolyA CMV

Comments

Reference Segala et al. (2019). Nat. Commun. 10, 1833.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.1.14

Constructed by Addgene

Date constructed Sep 2013

PLASMID NAME

mCherry-AnkyrinG

bacterial marker Kan

parent vector

pmCherry

bacterial plasmid

other relevant source constructs

Inserts Plasmid encoding the rat AnkyrinG (also called Ankyrin3), tagged with mCherry.

Reporter gene

Promoter,
splice,
PolyA CMV

Comments For more information :

<https://www.addgene.org/42566/>

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 22.1.14

Constructed by Addgene

Date constructed Sep 2013

PLASMID NAME

GFP-Vinculin

bacterial marker Kan

parent vector

pGFP-C3

bacterial plasmid

other relevant source constructs

Inserts Plasmid encoding the murine Vinculin, tagged with GFP at the N-terminus.

Reporter gene

Promoter,
splice,
PolyA CMV

Comments For more information :

<http://www.addgene.org/30312/>

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 23.1.14

Constructed by Lilia Bernasconi

Date constructed October 13

PLASMID NAME

pET/hAARSD1N

bacterial marker Amp

parent vector

pET15b

bacterial plasmid

pBR322

other relevant source constructs

pcDNA/HA-hAARSD1

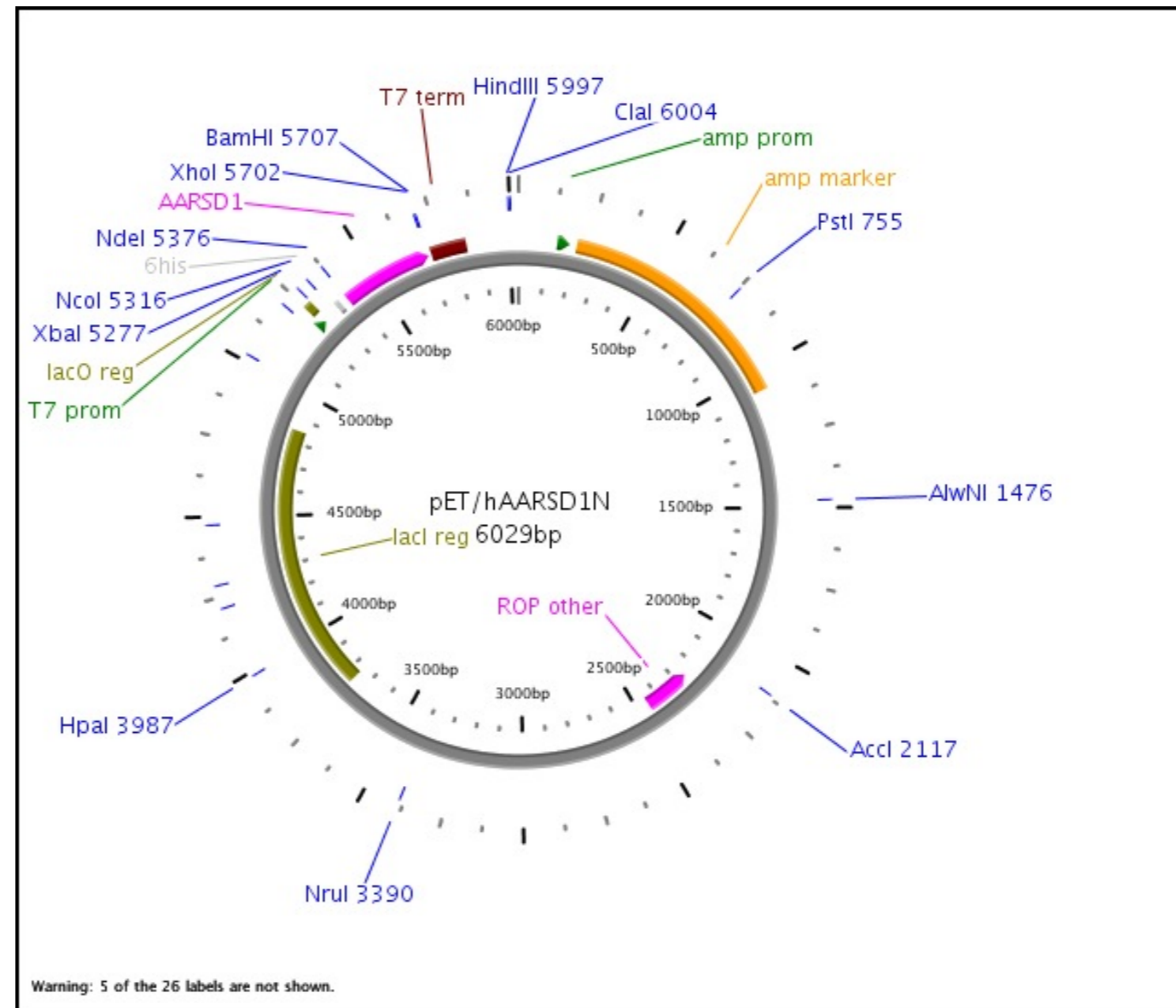
Inserts His6-tag-thrombin cleavage site fused to N-terminus of human AARSD1 (107 AA).

Reporter gene

Promoter, splice, PolyA T7 promoter, lac operator and T7 transcription terminator

Comments - E. coli expression vector (IPTG-inducible expression)
- Sequence available.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 2519

Date entered 23.1.14

Constructed by Lilia Bernasconi

Date constructed October 2013

PLASMID NAME

pET/hAARSD1

bacterial marker Amp

parent vector

pET15b

bacterial plasmid

pBR322

other relevant source constructs

pcDNA/HA-hAARSD1

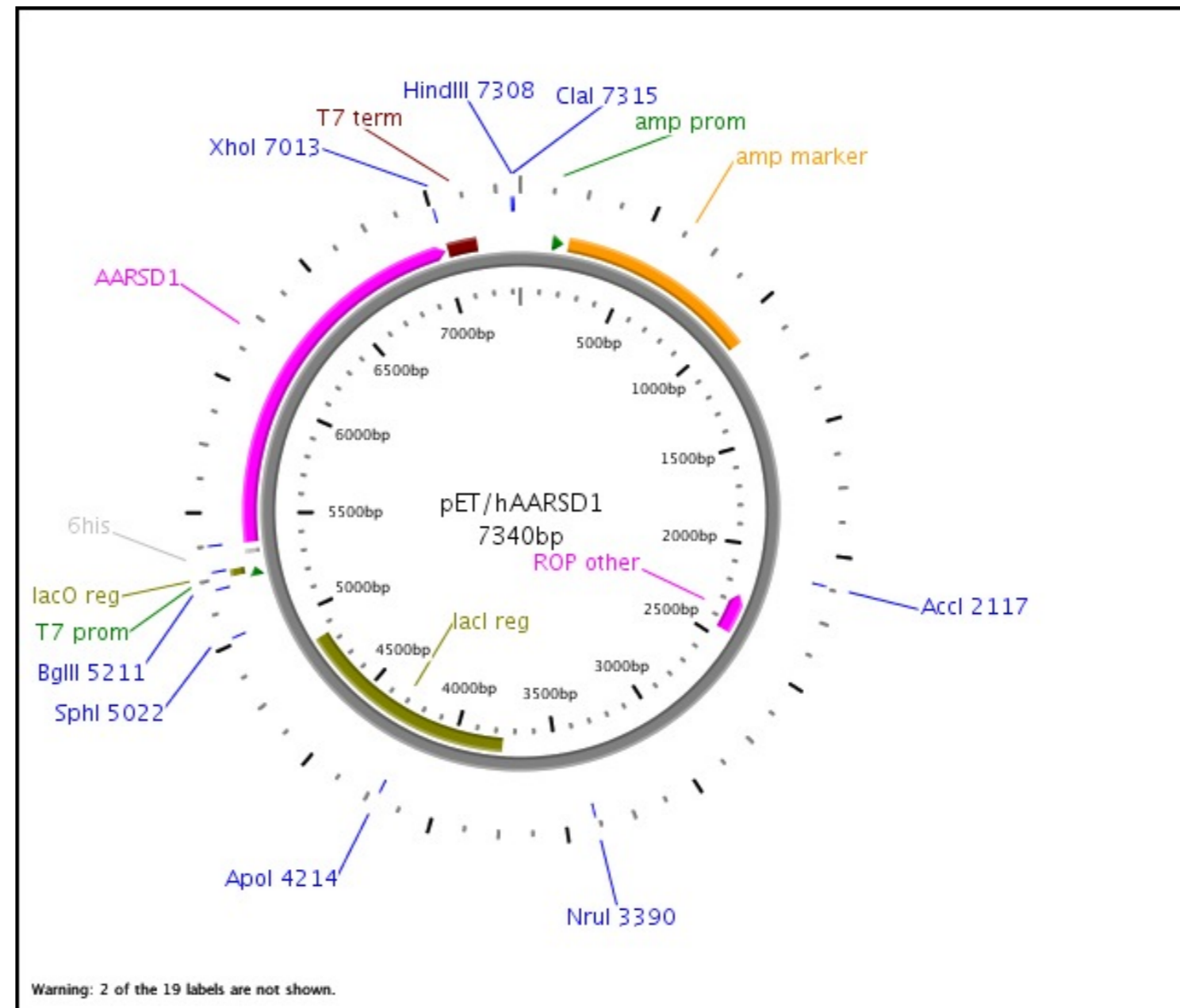
Inserts His6-tag-thrombin cleavage site fused to full-length human AARSD1. Plasmid carries lacI gene.

Reporter gene

Promoter, splice, PolyA T7 promoter, lac operator and T7 transcription terminator

Comments - E.coli expression vector (IPTG-inducible expression)
- Sequence available.

Reference



Construct number

Date entered 21.2.14

Constructed by Addgene

Date constructed

PLASMID NAME

pGAL4-CREB

bacterial marker Amp

parent vector

pM

bacterial plasmid

other relevant source constructs

Inserts

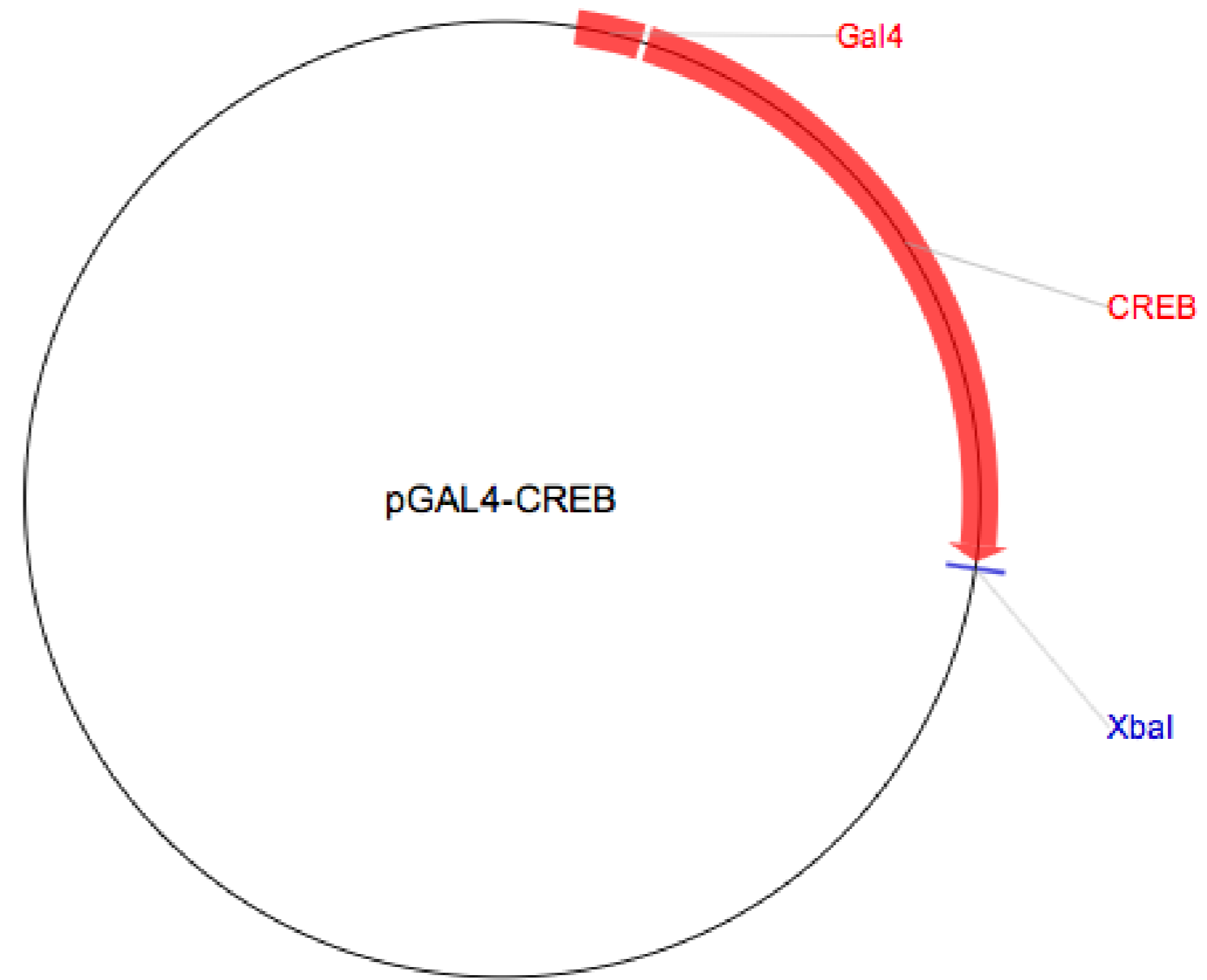
Wild-type CREB (rat) fused to the DNA binding domain of Gal4. The plasmids were generated by cloning the cDNA of CREB as an XhoI/XbaI fragment into the Sall/XbaI sites of pM.

Reporter gene

Promoter,
splice,
PolyA

Comments Addgene code: 15221

Reference



Construct number

Date entered 21.2.14

Constructed by Addgene

Date constructed

PLASMID NAME

pCF-CREB

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

pcDNA

bacterial plasmid

other relevant source constructs

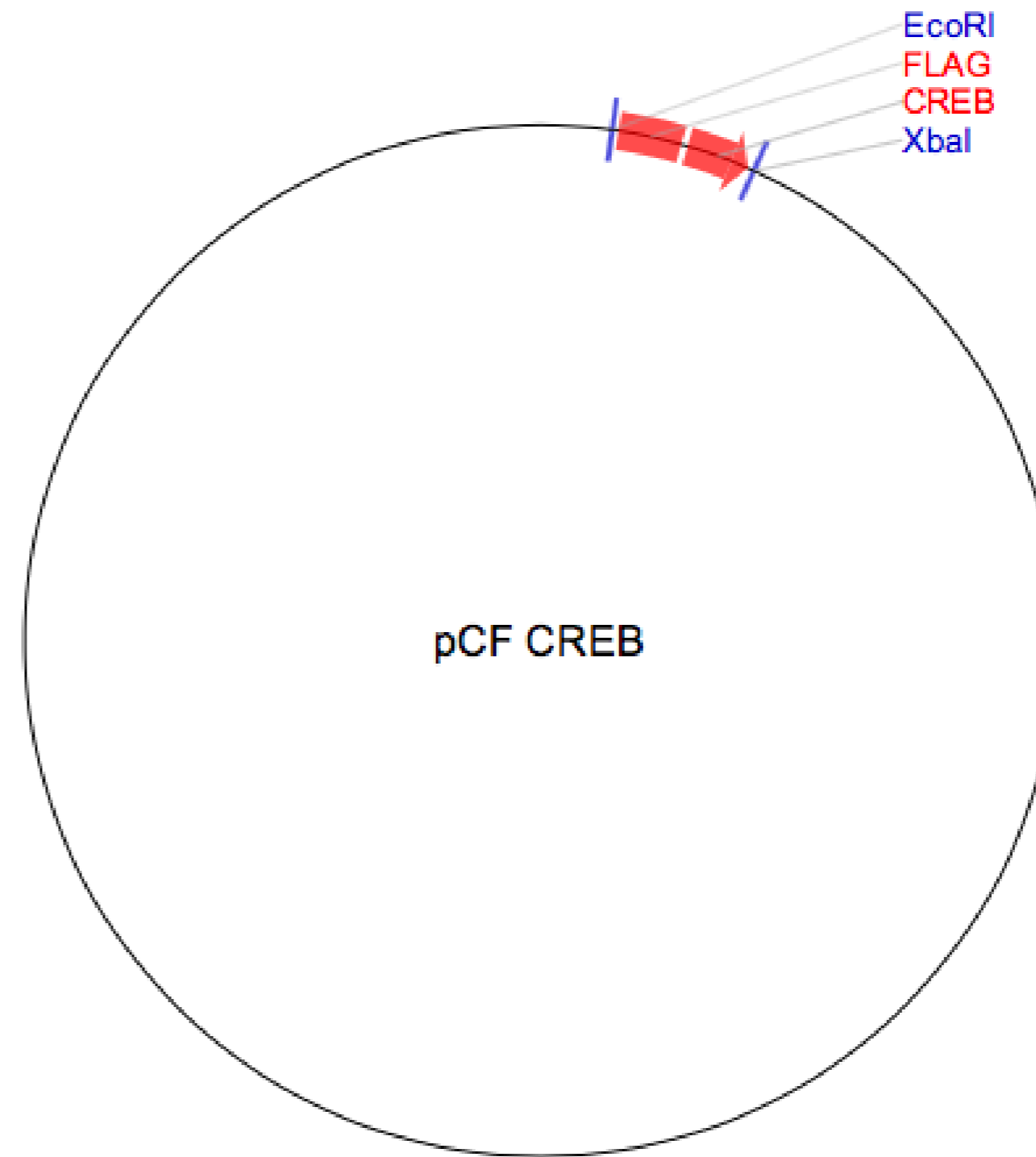
Inserts Wild type CREB (rat) inserted between EcoRI and XbaI sites with N-term Flag tag.

Reporter gene

Promoter, T7 promoter
splice,
PolyA

Comments Addgene code: 22968

Reference



Construct number

2523

Date entered

5.3.14

Constructed by

Ron Schackmann (Derksen lab)

Date constructed

PLASMID NAME

pcDNA3-HA-MPRIP

bacterial marker Amp

parent vector

pcDNA3-HA

bacterial plasmid

other relevant source constructs

Inserts

human full length MPRIP with HA tag

Reporter gene

Promoter, CMV promoter
splice, T7 promoter / priming site
PolyA BGH poly A sequence
f1 origine
Sp6 promoter
SV40 early origin and promoter
SV 40 early poly A signal

Comments

Reference

Cytosolic p120-catenin regulates growth of metastatic lobular carcinoma through Rock1-mediated anoikis resistance (Schackmann et al. 2011)

Construct number

2524

Date entered

5.3.14

Constructed by

Ron Schackmann (Derksen lab)

Date constructed

PLASMID NAME

pcDNA3-Myc-MPRIP

bacterial marker Amp

parent vector

pcDNA3

bacterial plasmid

other relevant source constructs

Inserts human MPRIP with Myc tag

Reporter gene

Promoter, CMV promoter
splice, - T7 promoter/priming site
PolyA - BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments

Reference

Construct number

2525

Date entered

5.3.14

Constructed by

Ron Schackmann (Derksen lab)

Date constructed

PLASMID NAME

pcDNA3-GFP-MPRIP

bacterial marker Amp

parent vector

pcDNA3

bacterial plasmid

other relevant source constructs

Inserts human MPRIP with GFP tag

Reporter gene

Promoter, CMV promoter
splice, - T7 promoter/priming site
PolyA - BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments

Reference

Construct number 2526

Date entered 7.3.14

Constructed by Connie Cepko's lab

Date constructed

PLASMID NAME

pCAG-ERT2CreERT2

bacterial marker Amp	parent vector pCAGEN
	bacterial plasmid high copy
	other relevant source constructs
eukaryotic replicon SV40 ori	

Inserts Cre with NLS sandwiched between two copies of the hormone binding domain of the estrogen receptor α (ER HBD contains several point mutations to render it less sensitive to estrogens and to destroy AF2 function: G400V/M543A/L544A)

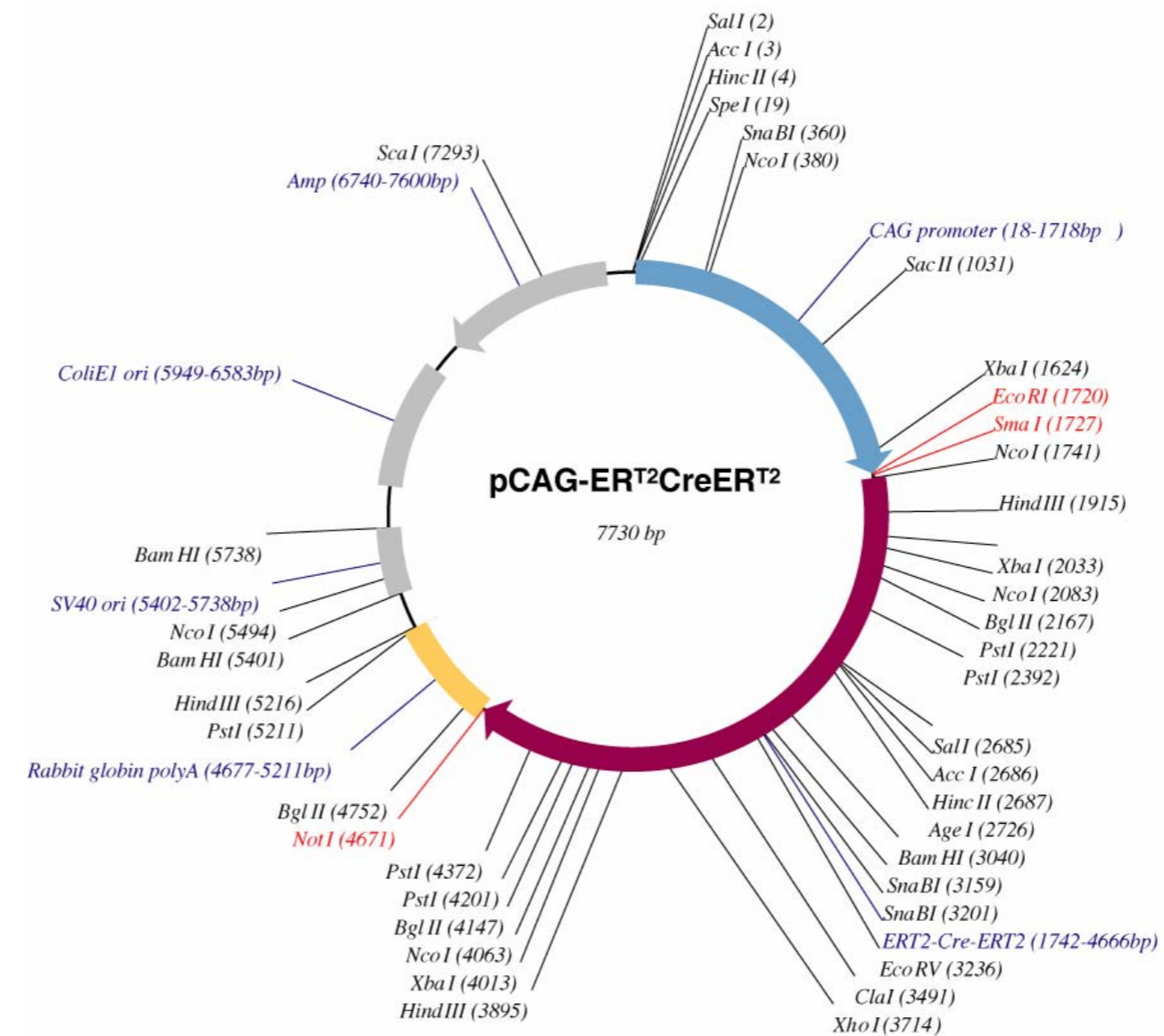
Reporter gene

Promoter, splice, PolyA
- CAG (chicken β -actin promoter with cytomegalovirus enhancer)
- rabbit globin polyA

Comments - can be activated with OHT but not with E2.
- plasmid obtained from Addgene (plasmid # 13777);

Reference Matsuda and Cepko (2007) PNAS 104, 1027; modified from Feil et al. (1997) BBRC 237, 752 (Chambon lab)

Matsuda & Cepko



ERT²-Cre-ERT²: 1742-4666
 ERT²: 1742-2689
 Cre: 2690-3721
 ERT²: 3722-4666

Kozak consensus sequence was added before the start ATG of ERT²-Cre-ERT².
 The insert cDNA can be excised with EcoRI (or SmaI) and NotI.
 This vector was constructed by Takahiko Matsuda.

Construct number 2527

Date entered 7.3.14

Constructed by Connie Cepko's lab

Date constructed

PLASMID NAME

pCALNL-DsRed

bacterial marker Amp	parent vector pCAGEN
vertebrate marker Neo (G418)	bacterial plasmid high copy
eukaryotic replicon SV40 ori	other relevant source constructs pCALNL5

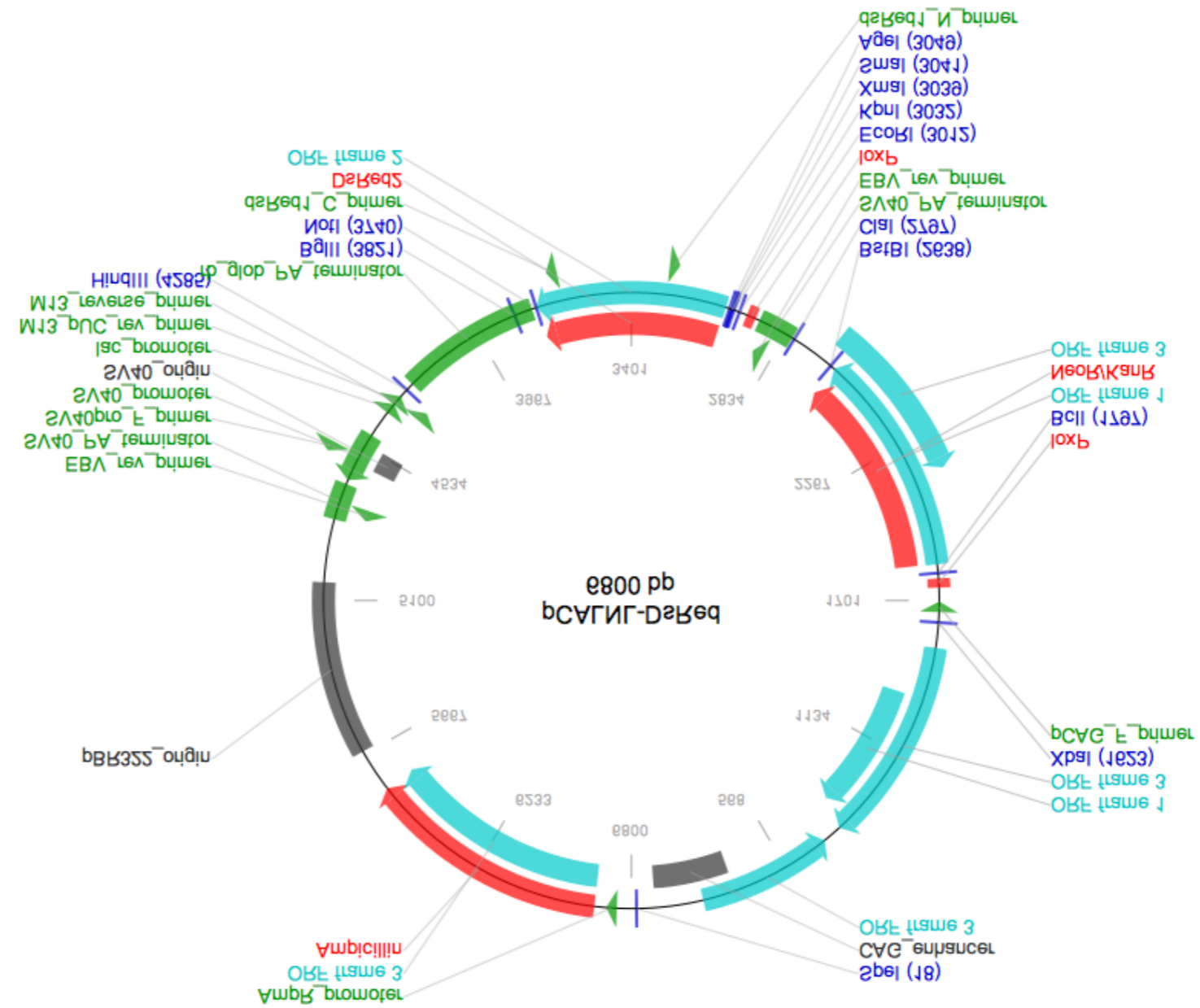
Inserts Cre recombinase-dependent expression of DsRed, i.e. DsRed is only expressed in the presence of Cre due to a transcriptional stop (Neo resistance cassette) in between the loxP sites

Reporter gene

Promoter, splice, PolyA
- CAG (chicken β-actin promoter with cytomegalovirus enhancer)
- rabbit globin polyA

Comments - plasmid obtained from Addgene (plasmid # 13769);

Reference Matsuda and Cepko (2007) PNAS 104, 1027



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 2.5.14

Constructed by Marcela Bennesch

Date constructed

PLASMID NAME

pLKO.shLSD1(S1)

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts shRNA against LSD1 inserted in AgeI and EcoRI sites in the place of the stuffer sequence. The expressed shRNA targets the 3'UTR of the LSD1 mRNA. Very good knockdown efficiency.

(Target DNA sequence)

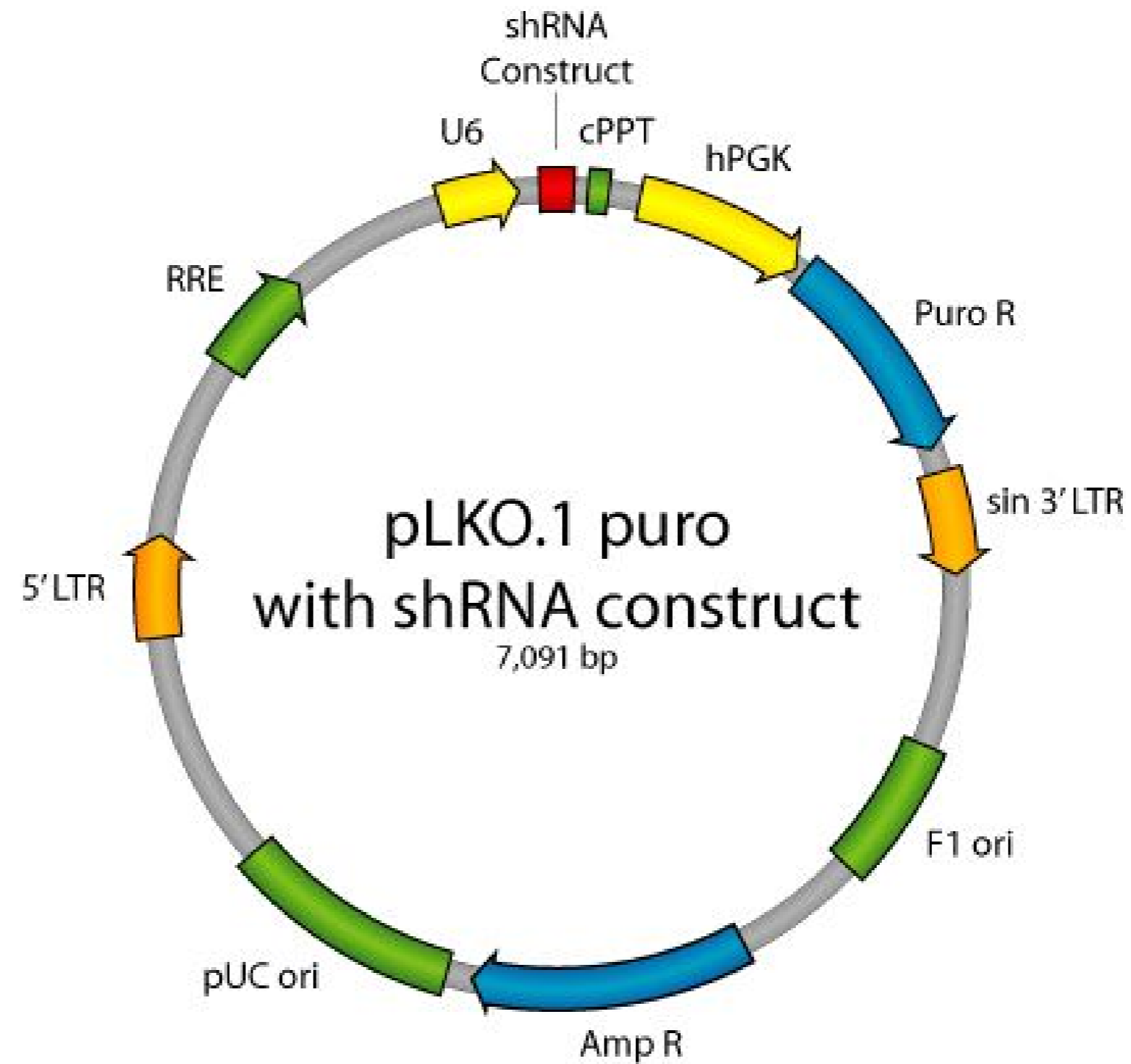
5' GGAGCTCCTGATTGACAAAG

Reporter gene

Promoter,
splice,
PolyA

Comments Validated sequence from TRCN0000382379
Blast : OK (no other perfect match)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 2.5.14

Constructed by Marcela Bennesch

Date constructed

PLASMID NAME

pLKO.shLSD1 (S2)

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

shRNA against LSD1 inserted in AgeI and EcoRI sites in the place of the stuffer sequence. The expressed shRNA targets the 3'UTR of the LSD1 mRNA. Very good knockdown efficiency.

(Target DNA sequence)

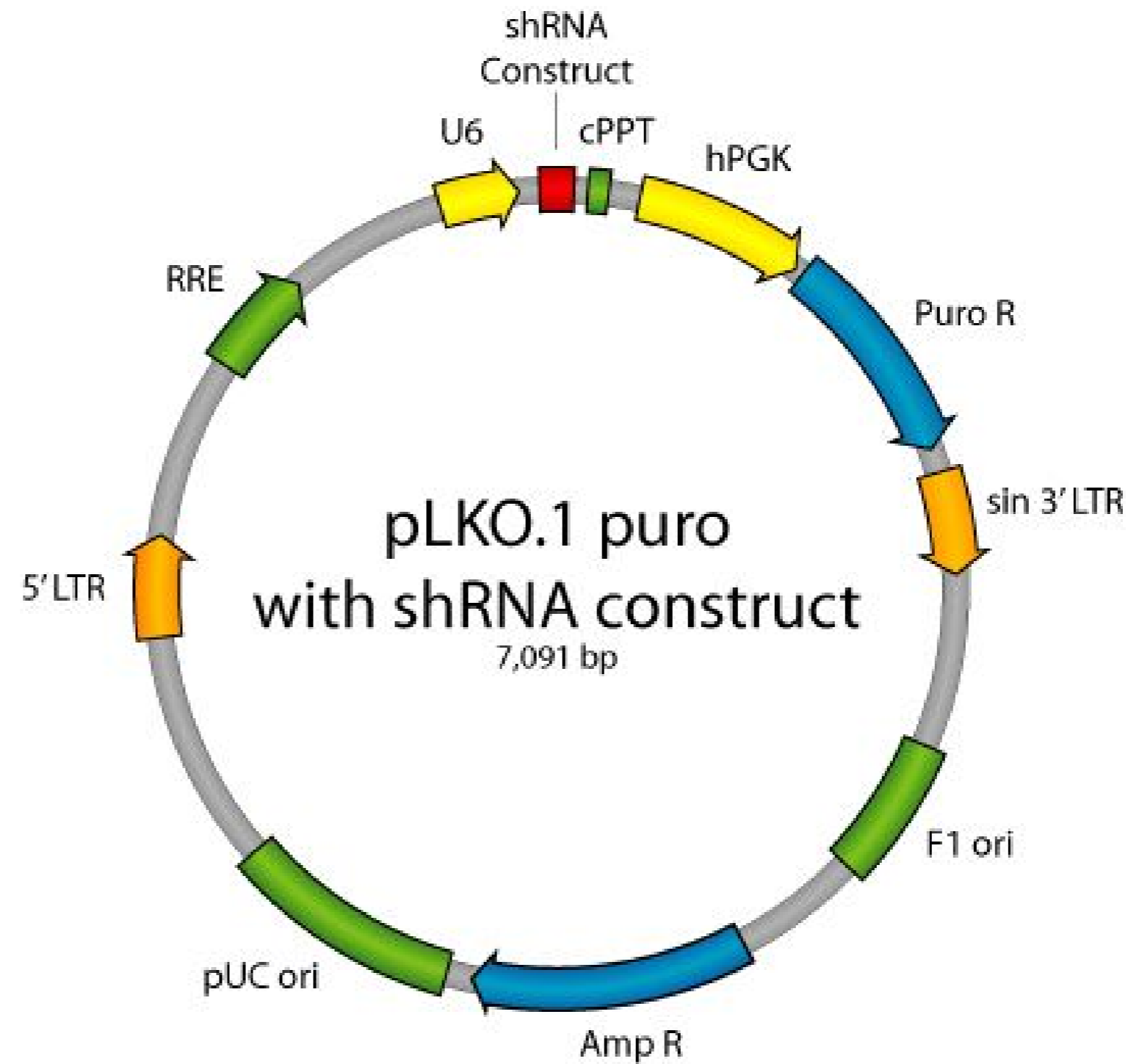
5' AGGAAGGCTCTTCTAGCAATA

Reporter gene

Promoter,
splice,
PolyA

Comments Validated sequence from TRCN0000382249
Blast : OK (no other perfect match)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 2.5.14

Constructed by Marcela Bennesch

Date constructed

PLASMID NAME

pLKO.shHDAC1 (S1)

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts shRNA against HDAC1 inserted in AgeI and EcoRI sites in the place of the stuffer sequence. The expressed shRNA targets the 3'UTR of the HDAC1 mRNA.

(Target DNA sequence)

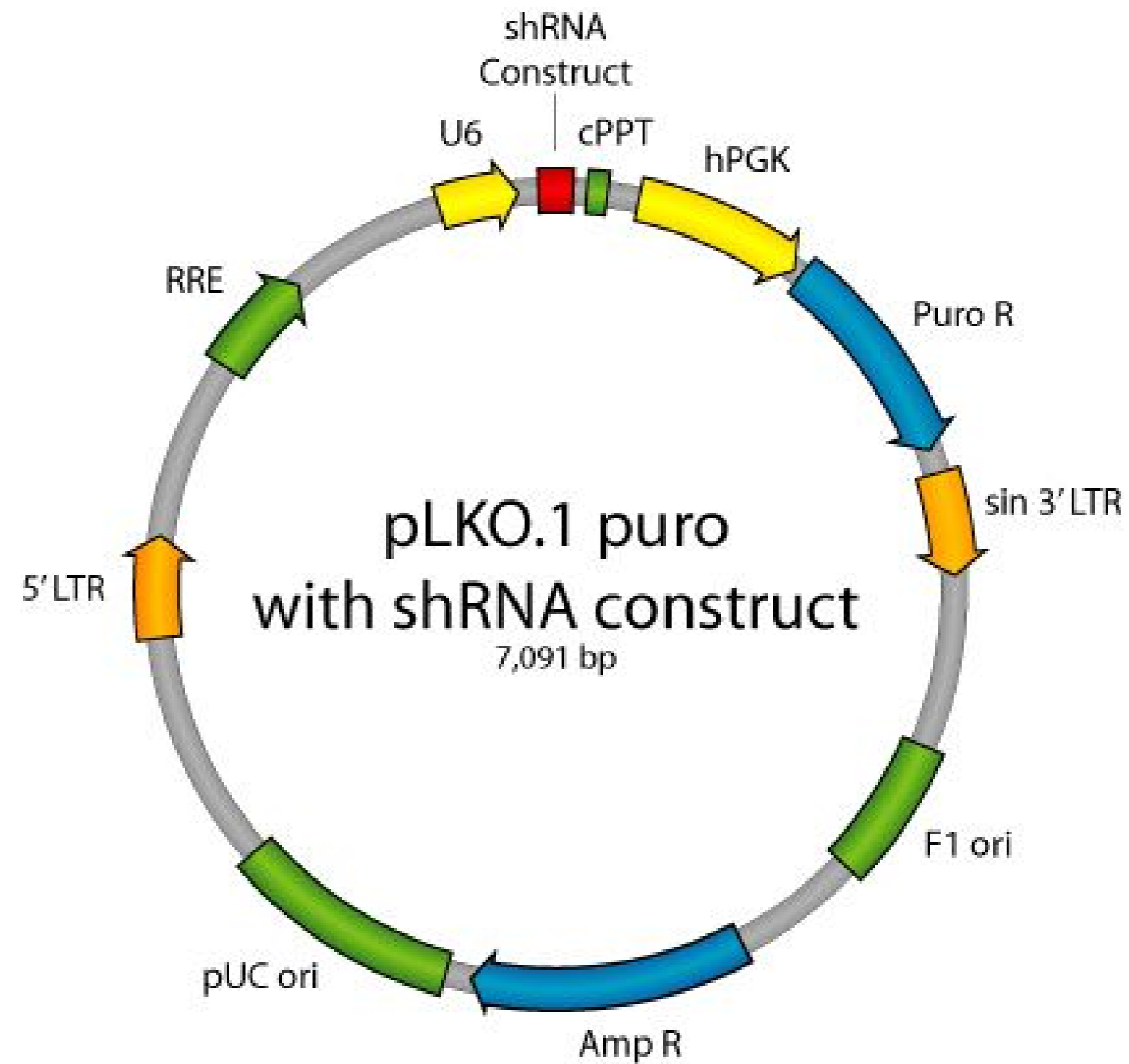
5' **GCAACCATAAGACAAACTCCT**

Reporter gene

Promoter,
splice,
PolyA

Comments Validated sequence from TRCN0000197198
Blast : OK (no other perfect match)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 2.5.14

Constructed by Marcela Bennesch

Date constructed

PLASMID NAME

pLKO.shHDAC1 (S2)

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts shRNA against HDAC1 inserted in AgeI and EcoRI sites in the place of the stuffer sequence. The expressed shRNA targets the 3'UTR of the HDAC1 mRNA. Good knockdown efficiency.

(Target DNA sequence)

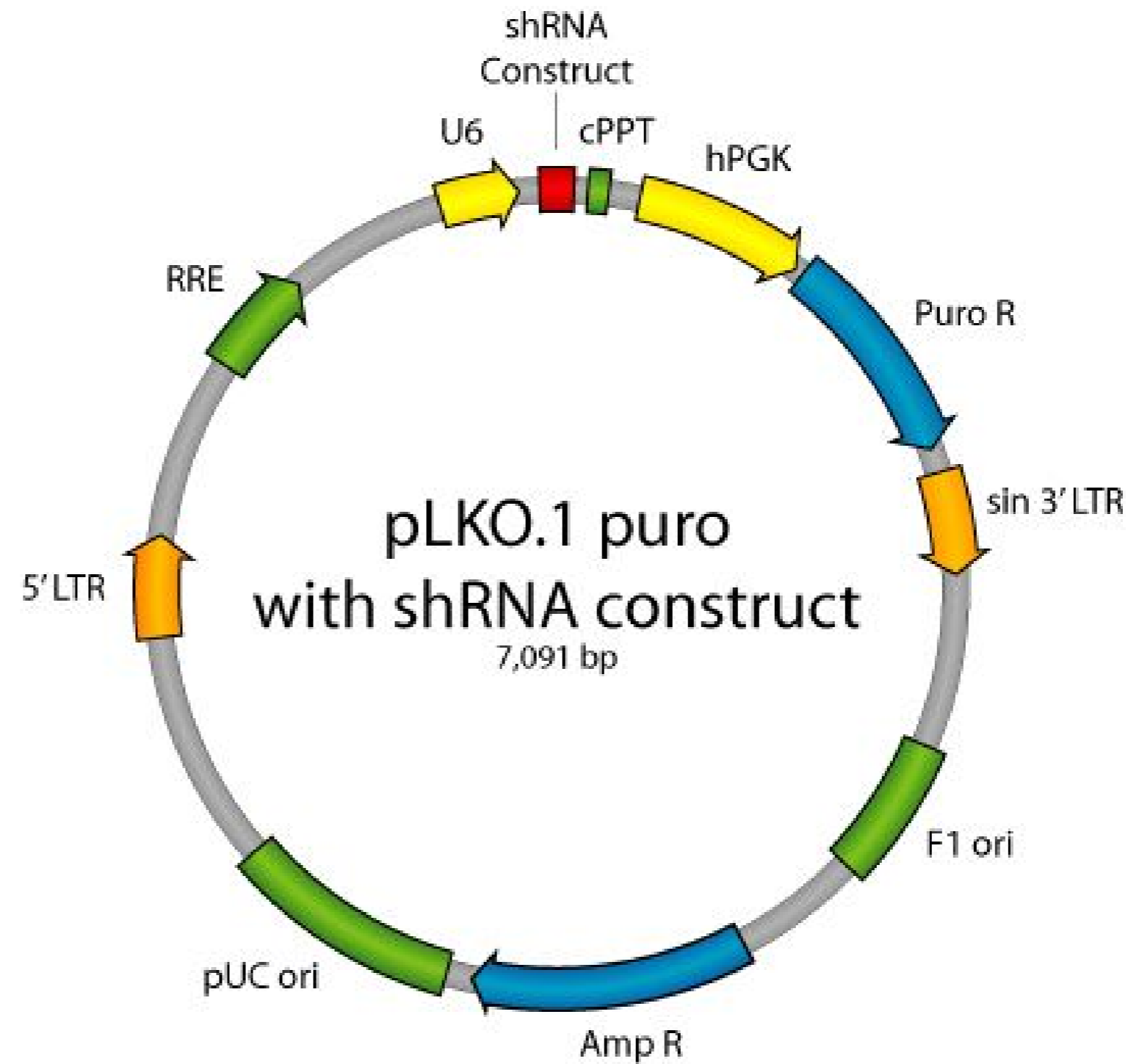
5' CGTTCTTAACCTTGAACCATA

Reporter gene

Promoter,
splice,
PolyA

Comments Validated sequence from TRCN0000004814
Blast : OK (no other perfect match)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 2.5.14

Constructed by Marcela Bennesch

Date constructed

PLASMID NAME

pLKO.shHDAC1(S3)

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts shRNA against HDAC1 inserted in AgeI and EcoRI sites in the place of the stuffer sequence. The expressed shRNA targets the coding region of the HDAC1 mRNA.

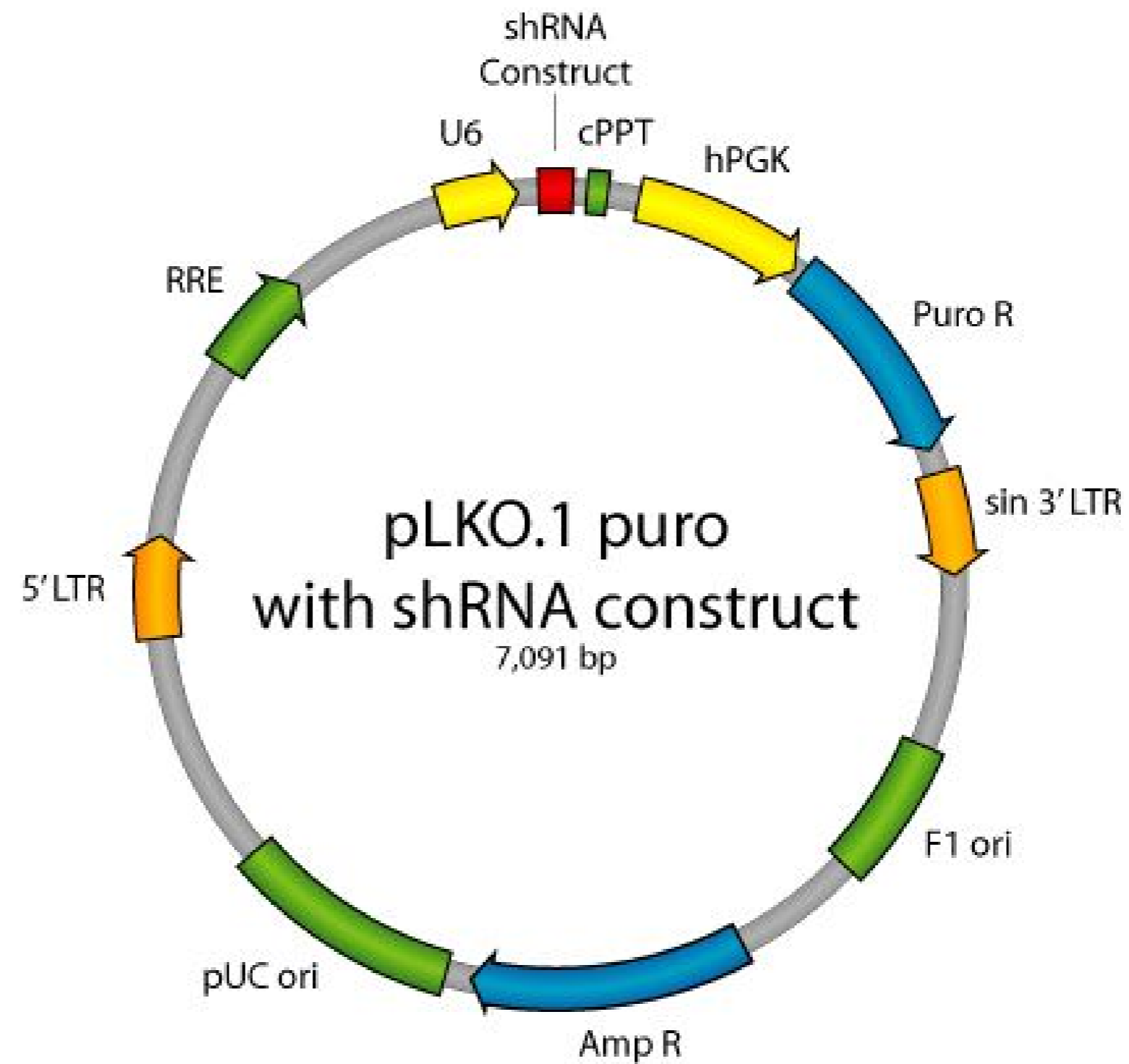
5' CGGTTAGGTTGCTTCAATCTA

Reporter gene

Promoter,
splice,
PolyA

Comments Validated sequence from TRCN0000195467
Blast : OK (no other perfect match)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 2.5.14

Constructed by Marcela Bennesch

Date constructed

PLASMID NAME

pLKO.shHDAC6 (S1)

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts shRNA against HDAC6 inserted in AgeI and EcoRI sites in the place of the stuffer sequence. The expressed shRNA targets the 3'UTR of the HDAC6 mRNA. Very good knockdown efficiency.

(Target DNA sequence)

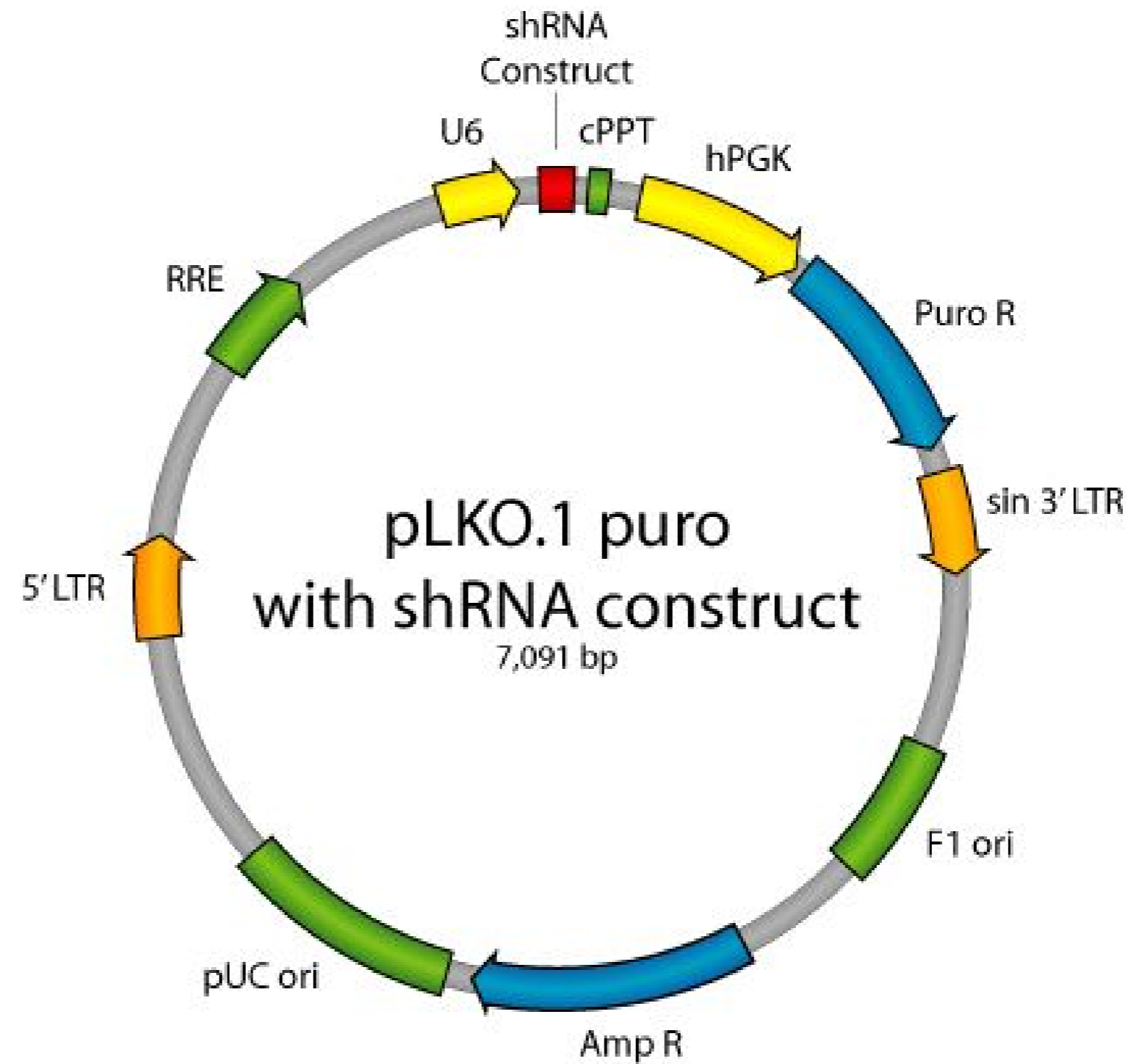
5' GCTGATATCATGAGGATAATT

Reporter gene

Promoter,
splice,
PolyA

Comments Sequence from Whitehead server (<http://sirna.wi.mit.edu>)
Blast : OK (no other perfect match)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2534

Date entered

2.5.14

Constructed by

Marcela Bennesch

Date constructed

PLASMID NAME

pLKO.shHDAC6 (S2)

bacterial marker

Amp

vertebrate marker

Puromycin

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts

shRNA against HDAC6 inserted in AgeI and EcoRI sites in the place of the stuffer sequence. The expressed shRNA targets the 3'UTR of the HDAC6 mRNA. Very good knockdown efficiency.

(Target DNA sequence)

5' CAAGGTTGCATATGTAATATT

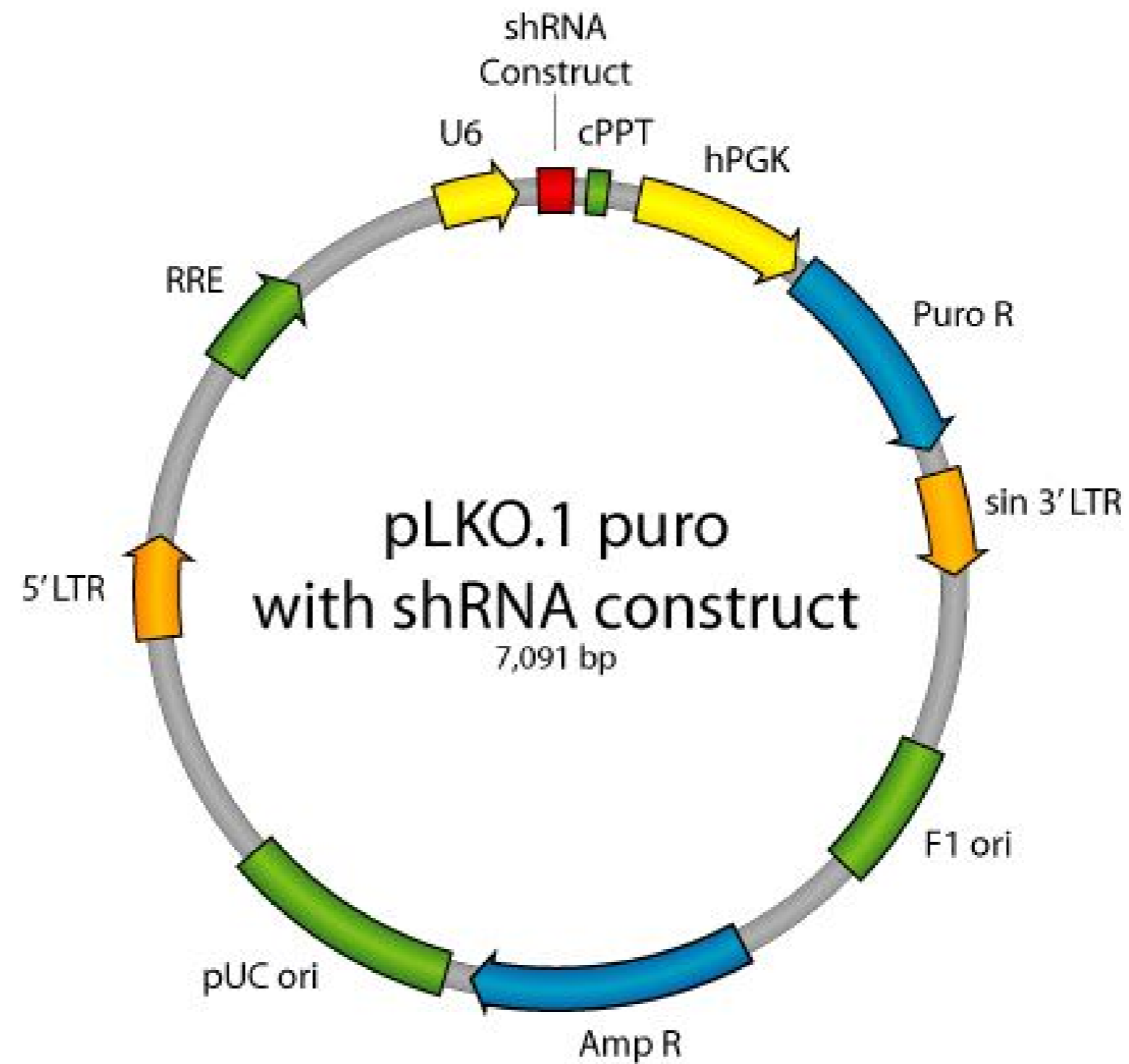
Reporter gene

Promoter,
splice,
PolyA

Comments

Sequence from Whitehead server (<http://sirna.wi.mit.edu>)
Blast : OK (no other perfect match)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.5.14

Constructed by Marcela Bennesch

Date constructed

PLASMID NAME

pLKO.shCoREST(S1)

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts shRNA against CoREST inserted in AgeI and EcoRI sites in the place of the stuffer sequence. The expressed shRNA targets the CDS of the CoREST mRNA. Good knockdown efficiency.

(Target DNA sequence)

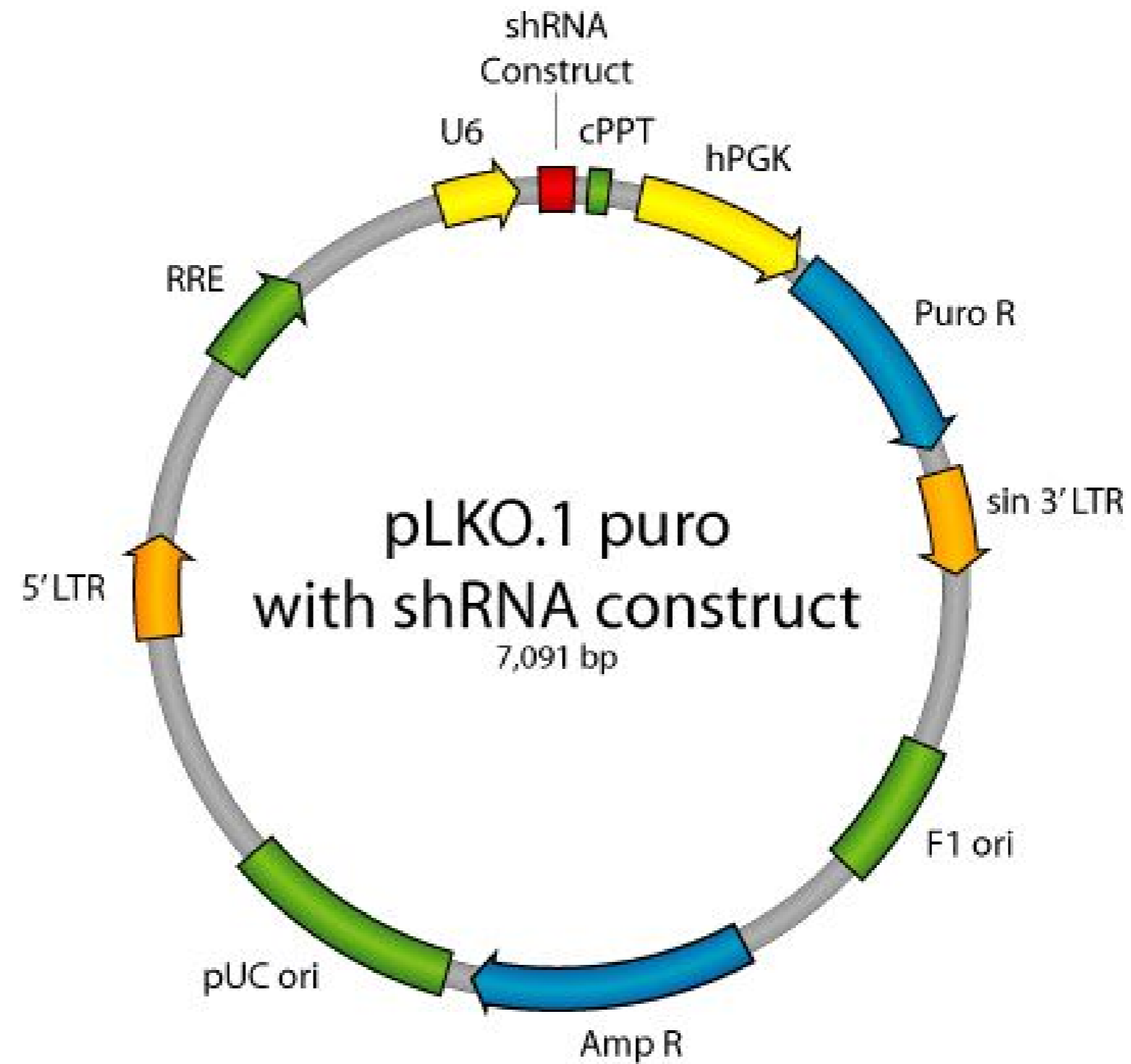
5' GTTGGATGAATACATTGCCAT

Reporter gene

Promoter,
splice,
PolyA

Comments Validated sequence from TRCN0000147486
Blast : OK (no other perfect match)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.5.14

Constructed by Marcela Bennesch

Date constructed

PLASMID NAME

pLKO.shCoREST(S2)

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

PUC

other relevant source constructs

Inserts shRNA against CoREST inserted in AgeI and EcoRI sites in the place of the stuffer sequence. The expressed shRNA targets the CDS of the CoREST mRNA. Good knockdown efficiency.

(Target DNA sequence)

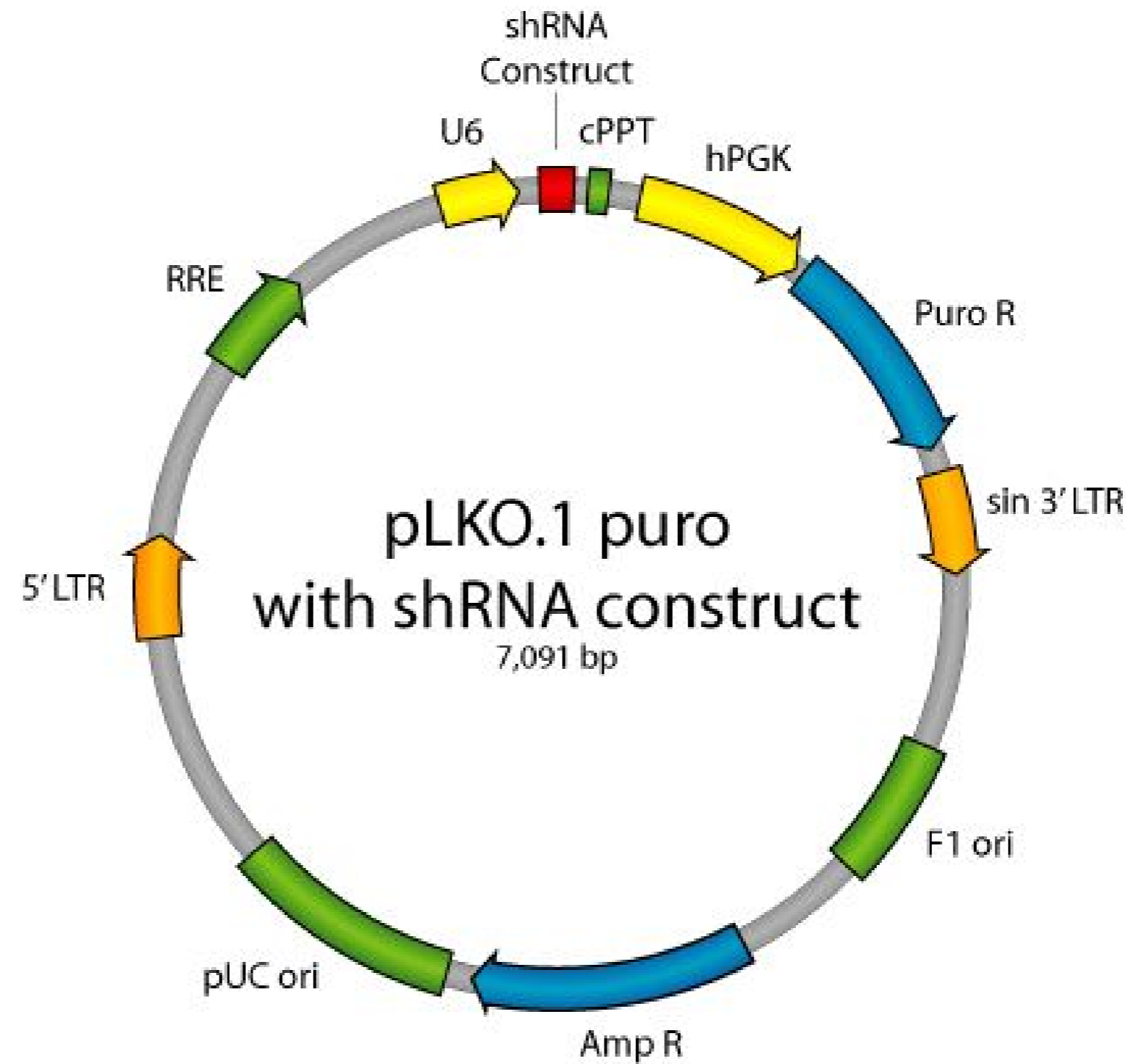
5' GATGGTGGGAATAGAACCATAT

Reporter gene

Promoter,
splice,
PolyA

Comments Validated sequence from TRCN0000128570
Blast : OK (no other perfect match)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.5.14

Constructed by Marcela Bennesch

Date constructed

PLASMID NAME

pLKO.shREST(S1)

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts shRNA against REST inserted in AgeI and EcoRI sites in the place of the stuffer sequence. The expressed shRNA targets the CDS of the REST mRNA. Good knockdown efficiency.

(Target DNA sequence)

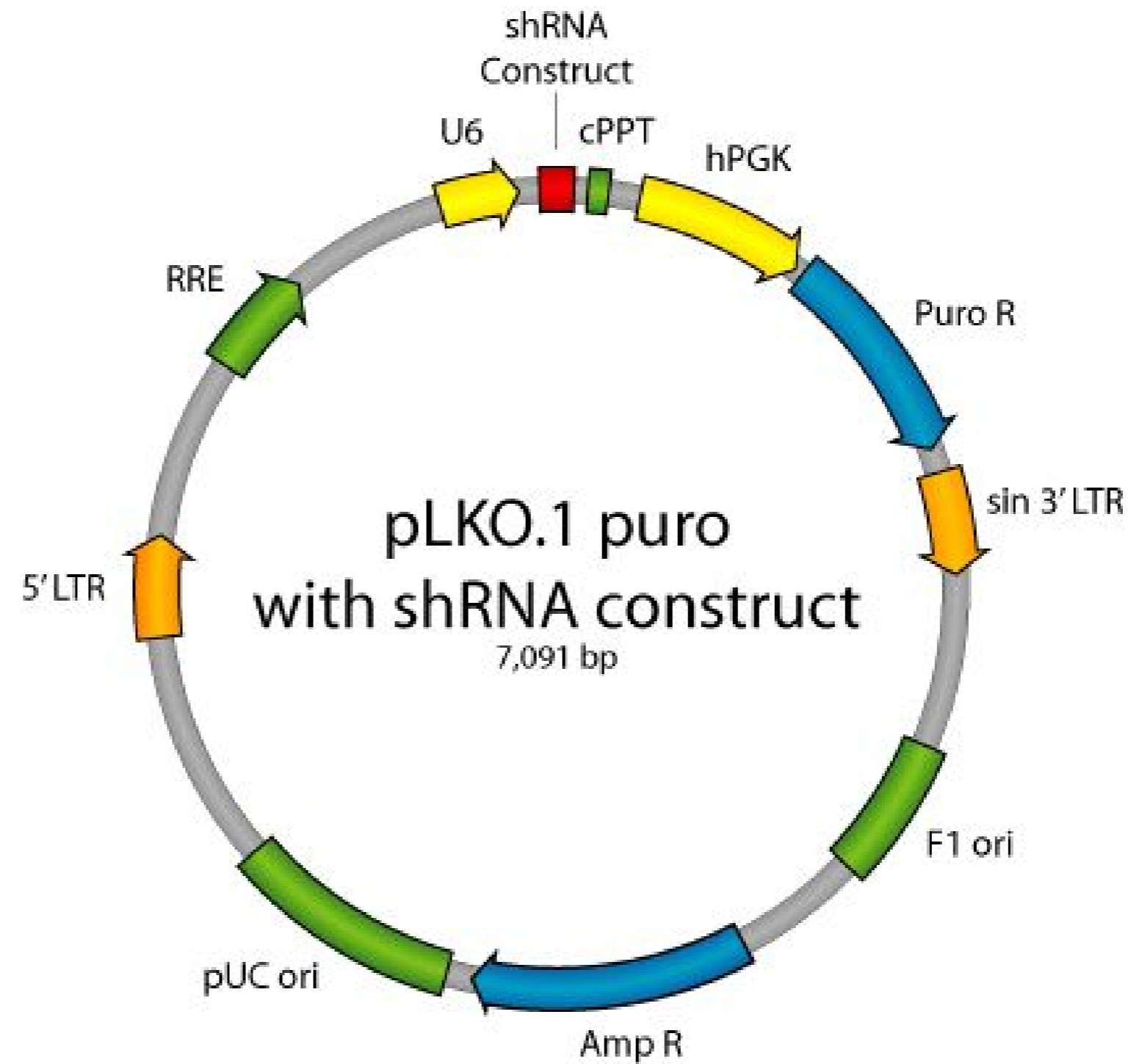
5' GCAGATAGAAGCAACTTCAA

Reporter gene

Promoter,
splice,
PolyA

Comments Sequence from the paper in the reference
Blast : OK (no other perfect match)

Reference Ren, X., and Kerppola, T.K.(2011). Cell Biol 31, 2100-2110



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.5.14

Constructed by Marcela Bennesch

Date constructed

PLASMID NAME

pLKO.shREST(S2)

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts shRNA against REST inserted in AgeI and EcoRI sites in the place of the stuffer sequence. The expressed shRNA targets the CDS of the REST mRNA. Good knockdown efficiency.

(Target DNA sequence)

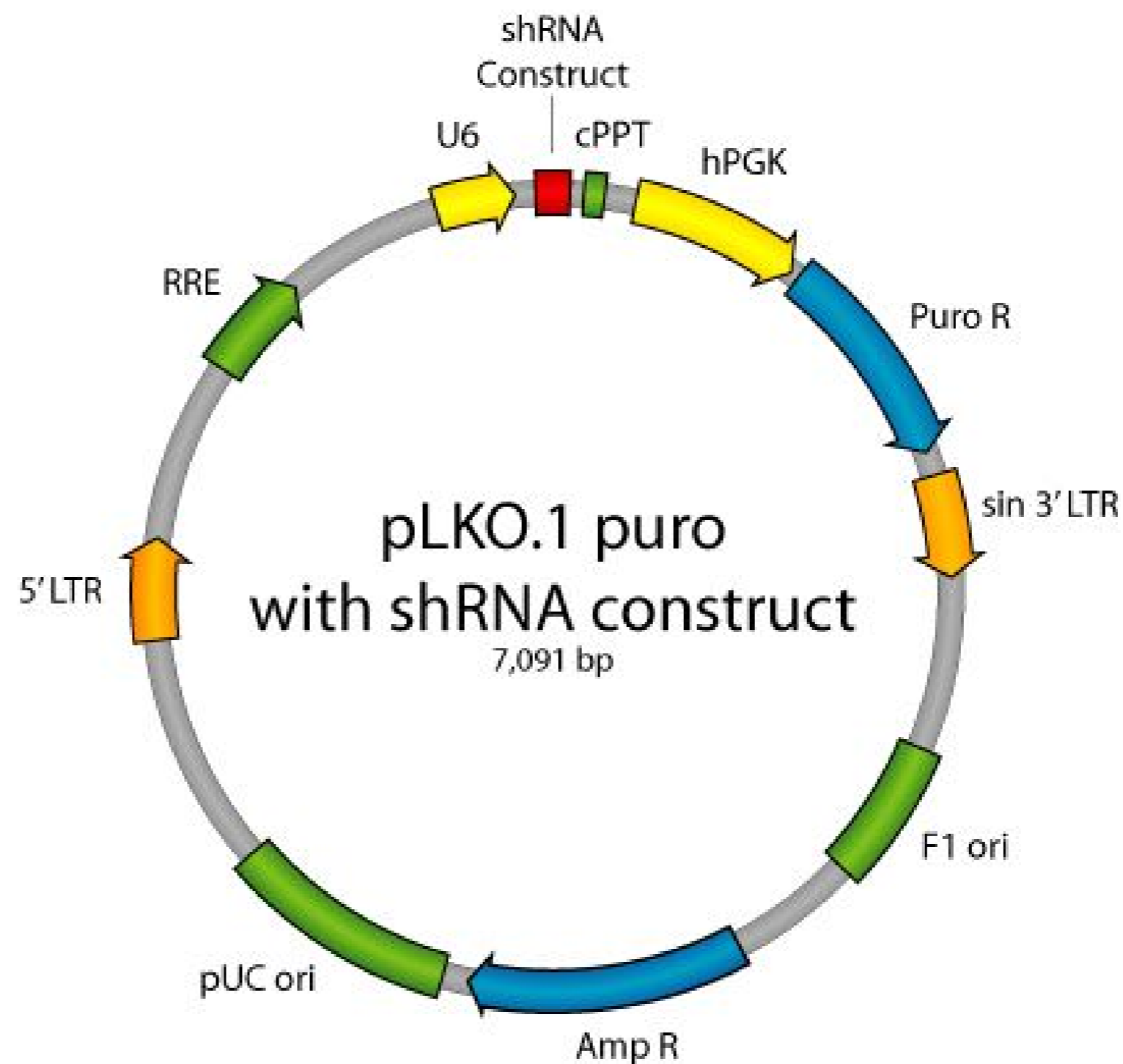
5' GCTACAATACTAATCGATATG

Reporter gene

Promoter,
splice,
PolyA

Comments Sequence from the paper in the reference
Blast : OK (no other perfect match)

Reference Lu, M., Zheng, L., Han, B., Wang, L., Wang, P., Liu, H., and Sun, X. (2011). J Biol Chem 286, 10755-10763.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.5.14

Constructed by Marcela Bennesch

Date constructed

PLASMID NAME

pLKO.shHsp90α (S1)

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts shRNA against Hsp90 α inserted in AgeI and EcoRI sites in the place of the stuffer sequence. The expressed shRNA targets the 3'UTR of the Hsp90 α mRNA.

(Target DNA sequence)

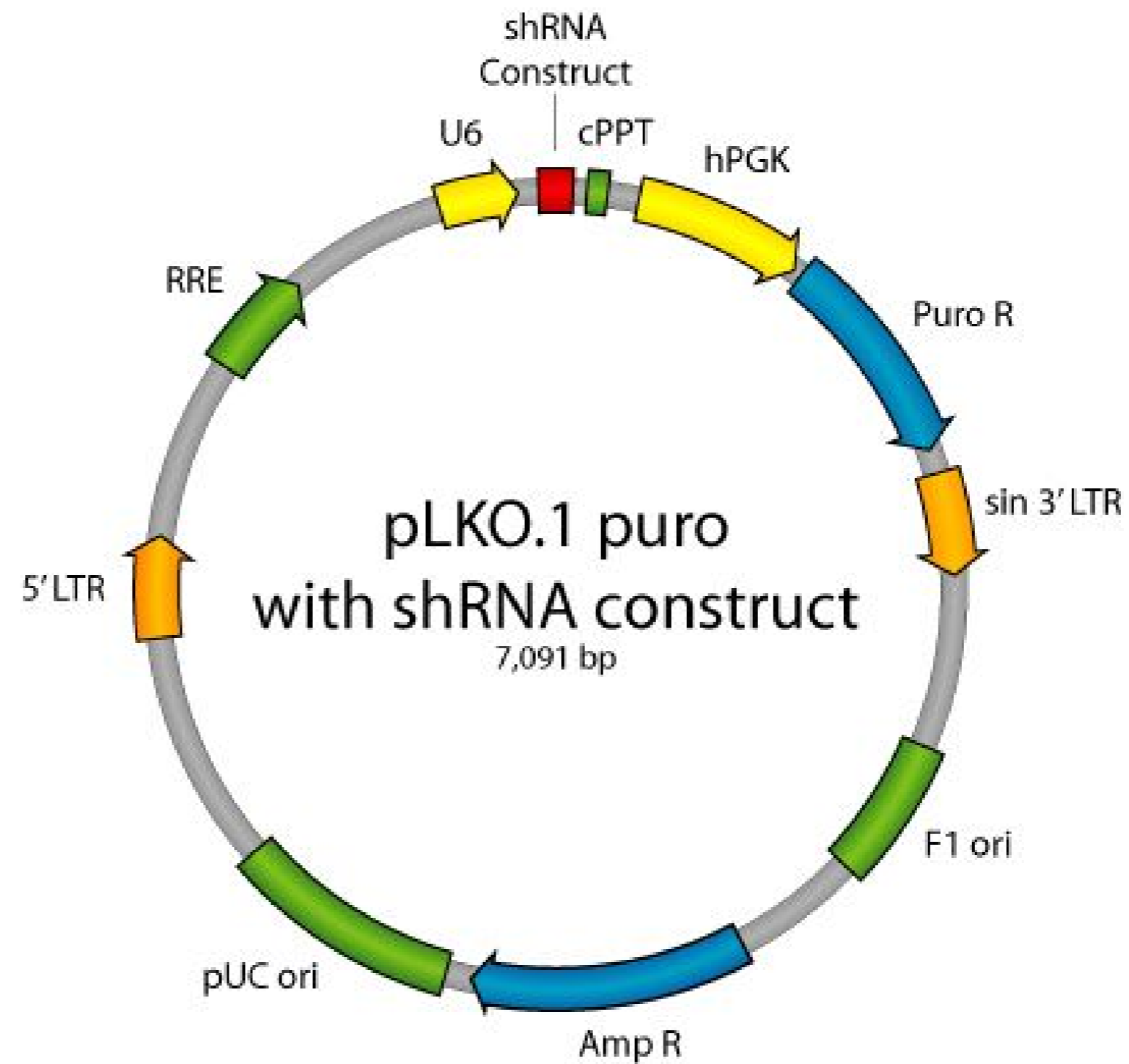
5' TATGGCATGACAACACTTTA

Reporter gene

Promoter,
splice,
PolyA

Comments Validated sequence from TRCN0000315007
Blast : OK (no other perfect match)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2541

Date entered

30.5.14

Constructed by

Marcela Bennesch

Date constructed

PLASMID NAME

pCMX-Flag-LSD1(T110/S111A)

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

eukaryotic replicon SV40 ori

Inserts

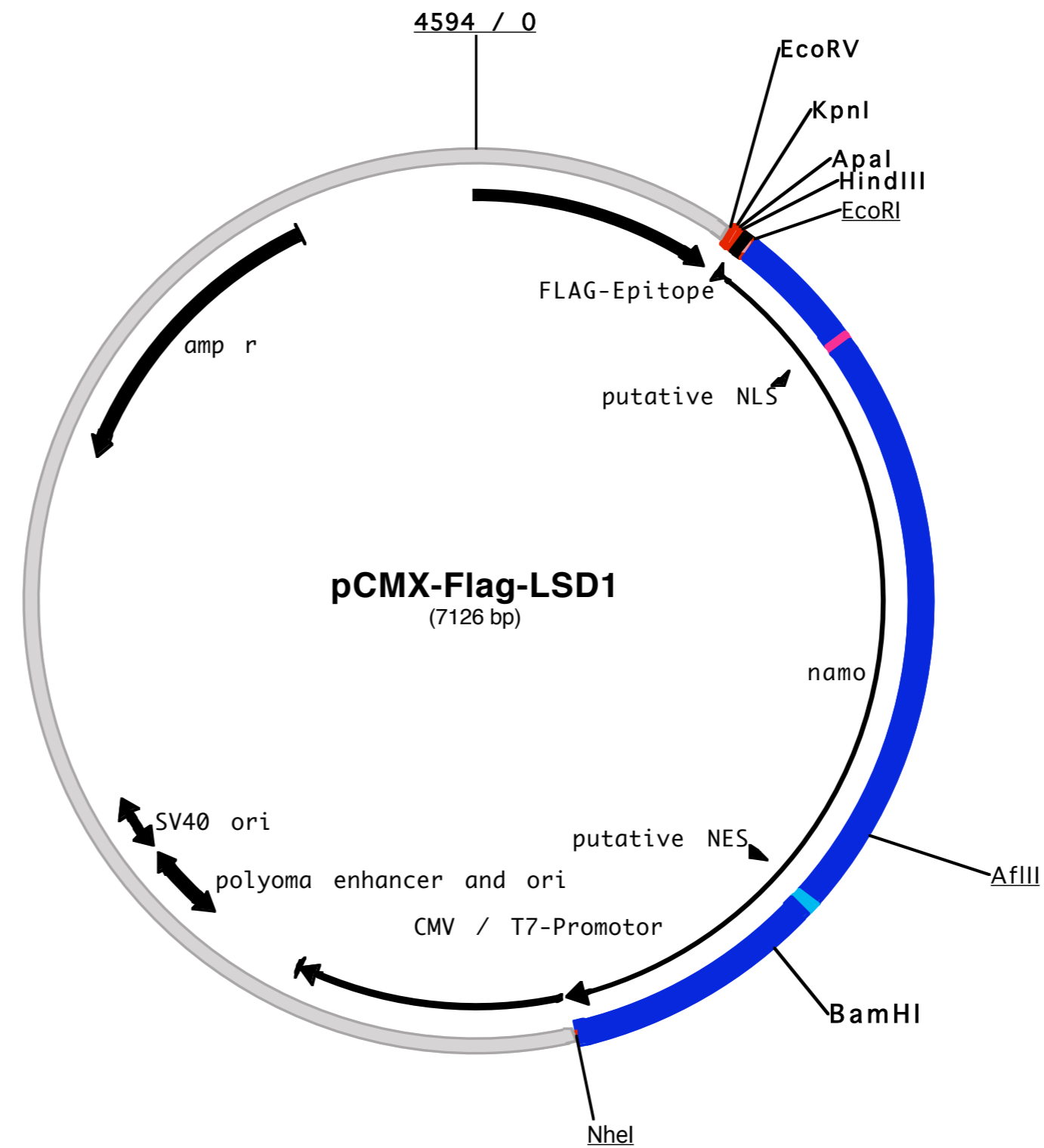
Flag epitope fused to full-length human LSD1 with mutations T110A and S111A to generate a phosphomutant for PKA phosphorylation. Sequencing of the complete coding region verifies only these two mutations.

Reporter gene

Promoter, splice, PolyA
CMV enhancer/promoter

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.6.14

Constructed by Marcela Bennesch

Date constructed

PLASMID NAME

pLKO.shSPTY2D1 (S1)

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts shRNA against human SPTY2D1 (in yeast SPT2) inserted in AgeI and EcoRI sites in the place of the stuffer sequence. The expressed shRNA targets the end of the coding sequence.

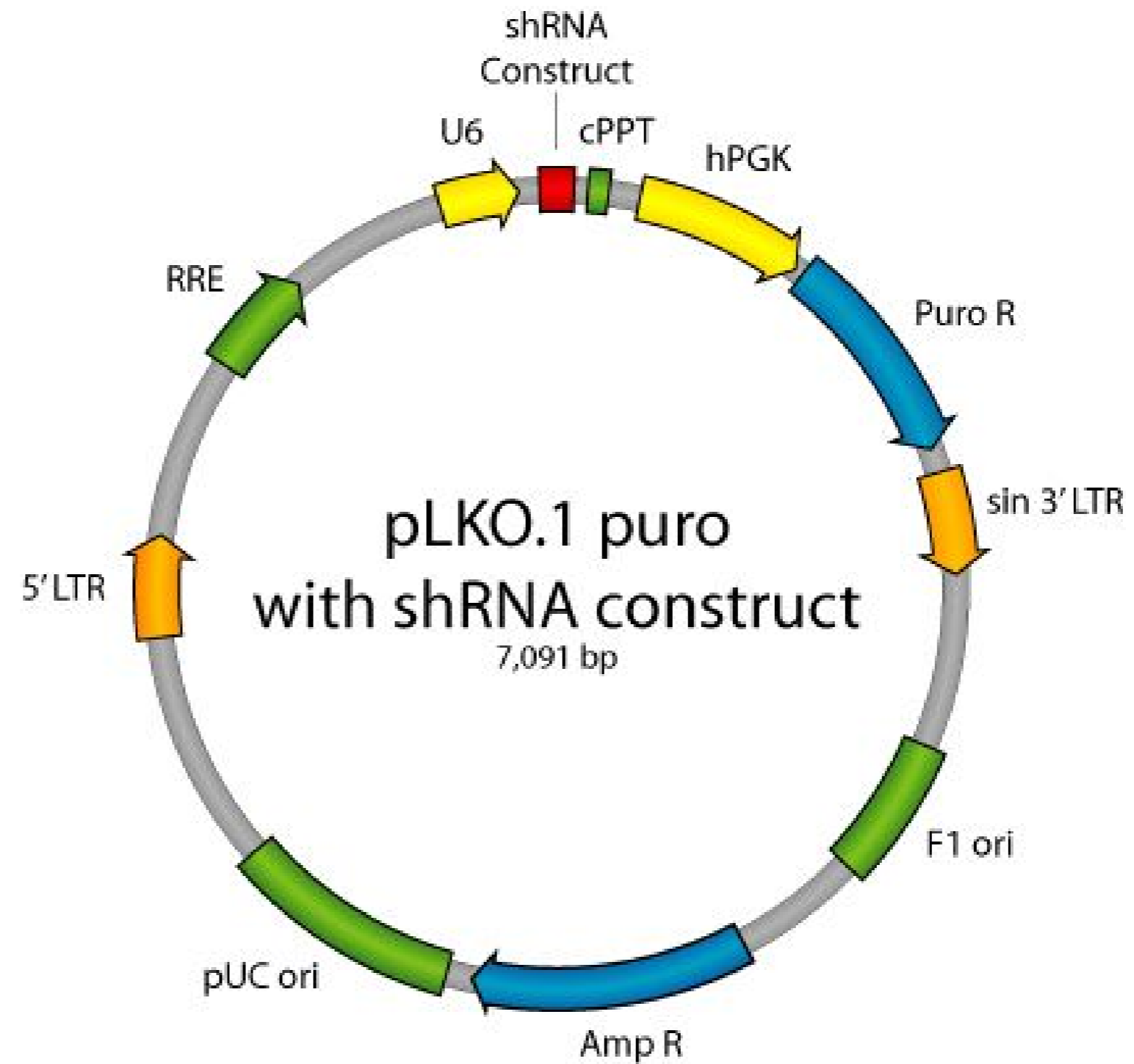
5' GCCTCAGGAAGAAATATCCAA

Reporter gene

Promoter,
splice,
PolyA

Comments Validated sequence from TRCN0000130872
Blast : OK (no other perfect match)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2543

Date entered

13.6.14

Constructed by

Marcela Bennesch

Date constructed

PLASMID NAME

pLKO.shSUPT3H (S1)

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts

shRNA against human SUPT3H (in yeast SPT3) inserted in AgeI and EcoRI sites in the place of the stuffer sequence. The expressed shRNA targets the coding sequence.

5' CCGAGACTACAAATCAAAGAT

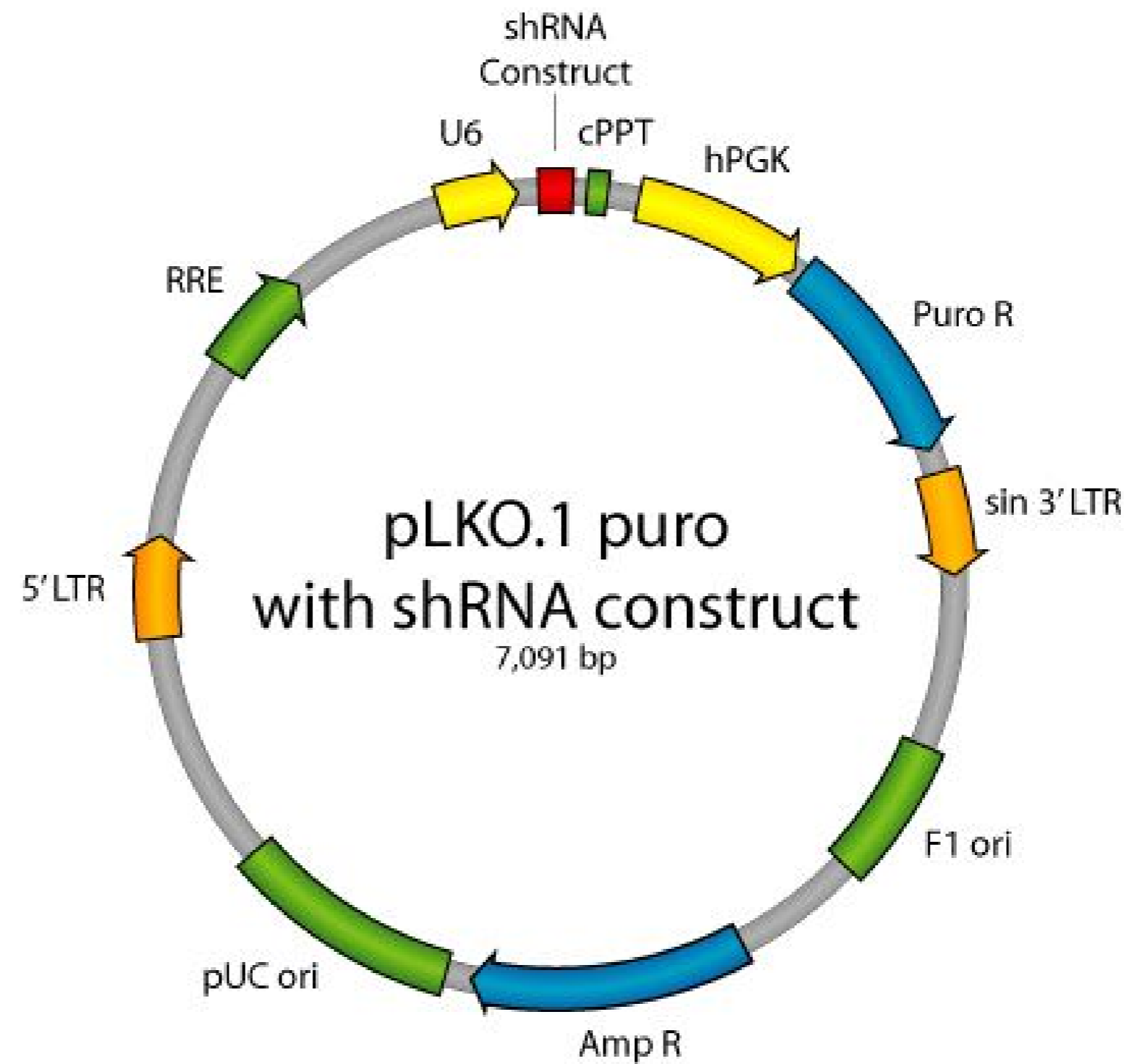
Reporter gene

Promoter,
splice,
PolyA

Comments

Validated sequence from TRCN0000013210
Blast : OK (no other perfect match)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.6.14

Constructed by Marcela Bennesch

Date constructed

PLASMID NAME

pLKO.shELOF1 (S1)

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts shRNA against human ELOF1 (in yeast ELF1) inserted in AgeI and EcoRI sites in the place of the stuffer sequence. The expressed shRNA targets the coding sequence.

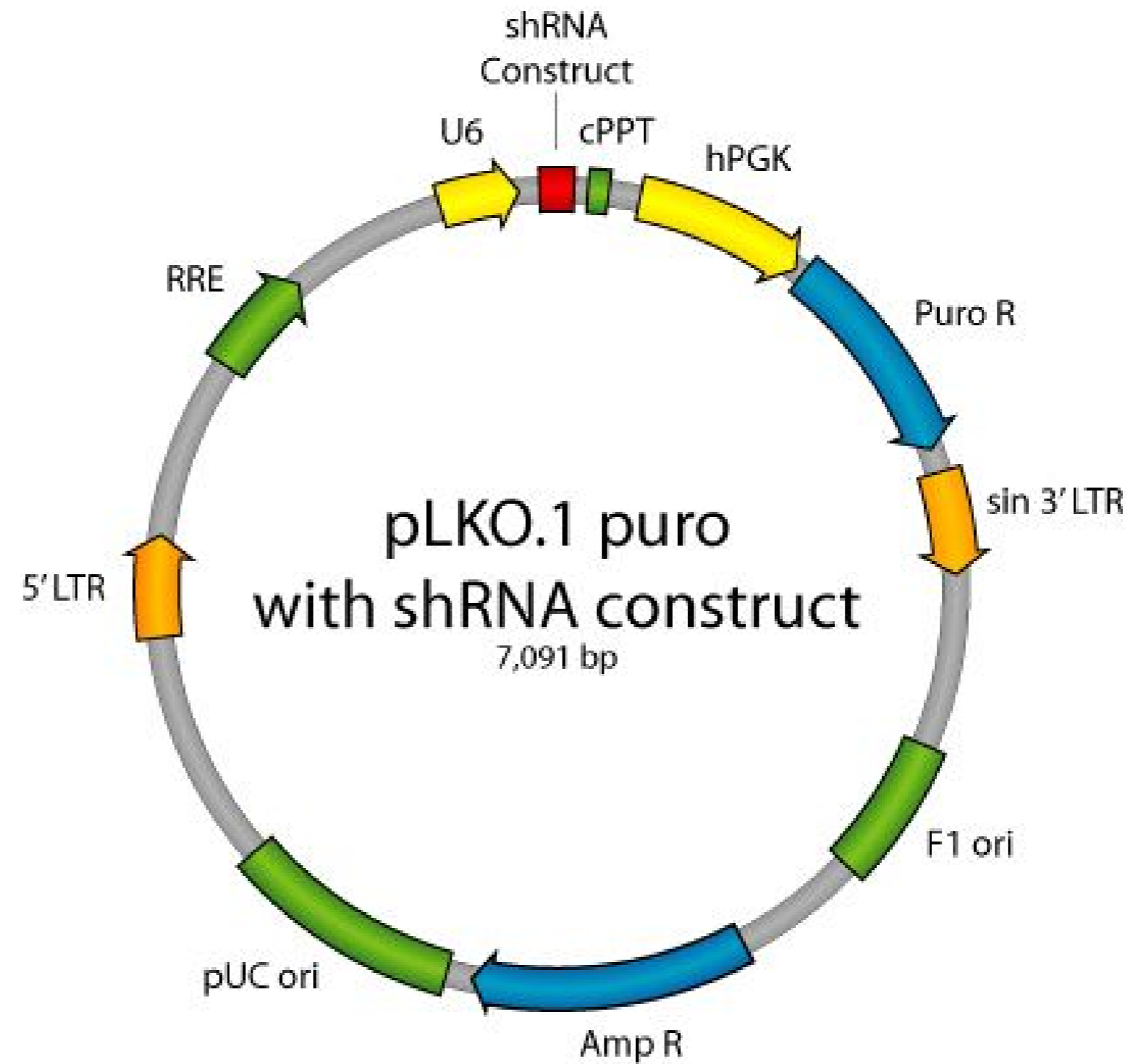
5' CCACGAGAAATCCTGTGATTT

Reporter gene

Promoter,
splice,
PolyA

Comments Sequence from Whitehead server (one of the top hits, with 3' UU)
Blast : OK (no other perfect match)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.6.14

Constructed by Marcela Bennesch

Date constructed

PLASMID NAME

pLKO.shELOF1 (S2)

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts shRNA against human ELOF1 (in yeast ELF1) inserted in AgeI and EcoRI sites in the place of the stuffer sequence. The expressed shRNA targets the coding sequence.

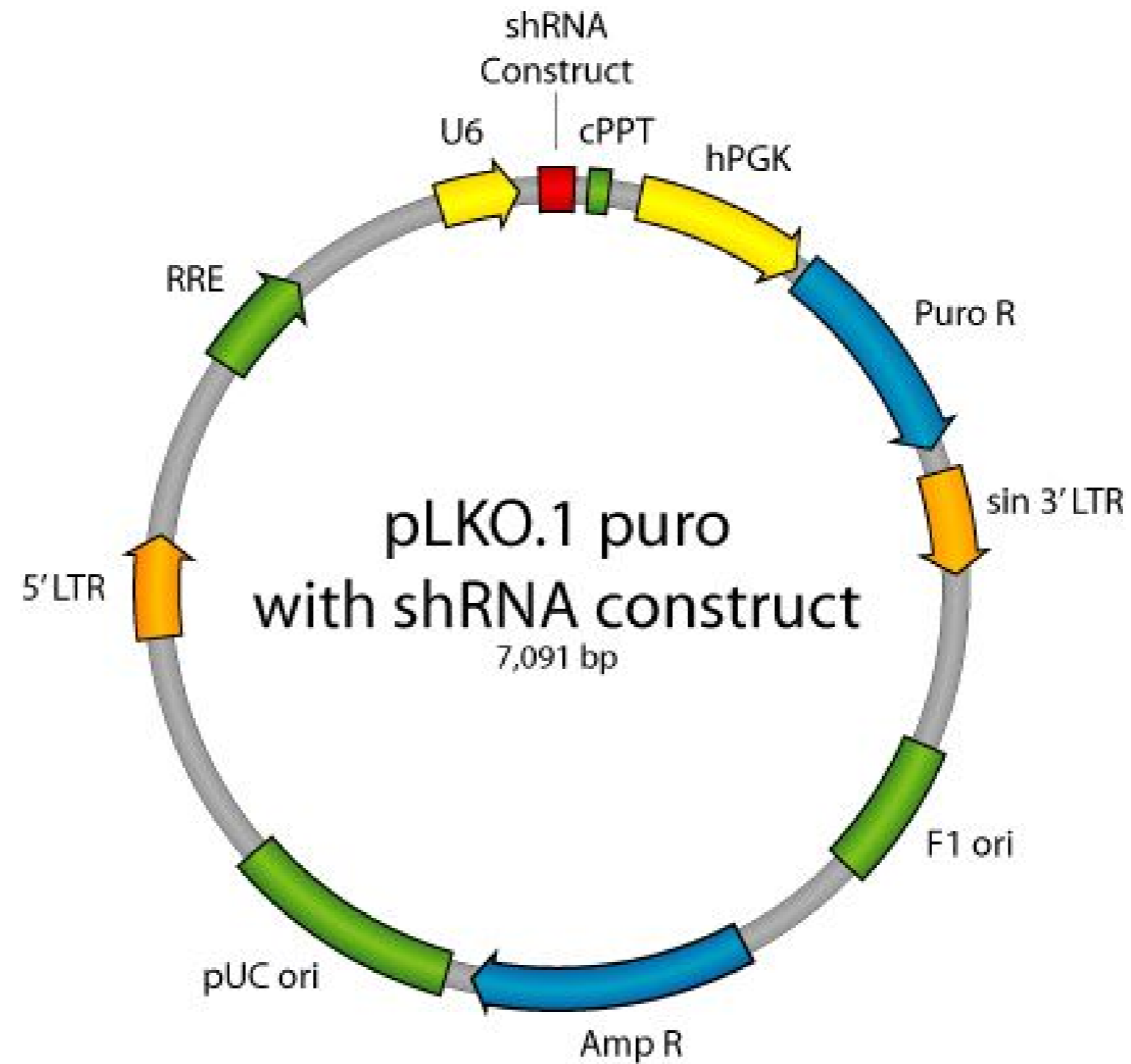
5' CCTCCAAGAAGAAGATGATT

Reporter gene

Promoter,
splice,
PolyA

Comments Sequence from Whitehead server (one of the top hits, with 3' UU)
Blast : OK (no other perfect match)

Reference



Construct number

2546

Date entered

10.7.14

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

2547

Date entered

14.7.14

Constructed by

Dr. Lin, University, Singapore

Date constructed

PLASMID NAME

pcDNA3.1-Flag-PRMT6

bacterial marker Amp

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

pcDNA3.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

Protein arginine methyltransferase 6 (PRMT6) inserted in pcDNA 3.1 vector. Cloning sites not specified. Protein with the N-term Flag tagged.

Reporter gene

Promoter,
splice,
PolyA

- CMV promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments

Reference Sun, Y., Chung, H.H., Woo, A.R., and Lin, V.C. (2014). Biochim Biophys Acta 1843, 2067-2078.

Construct number 2548

Date entered 20.10.14

Constructed by

Date constructed

PLASMID NAME

pBABE-puro-mTwist

bacterial marker Amp	parent vector
vertebrate marker Puromycin	bacterial plasmid high copy
eukaryotic replicon SV40 ori	other relevant source constructs

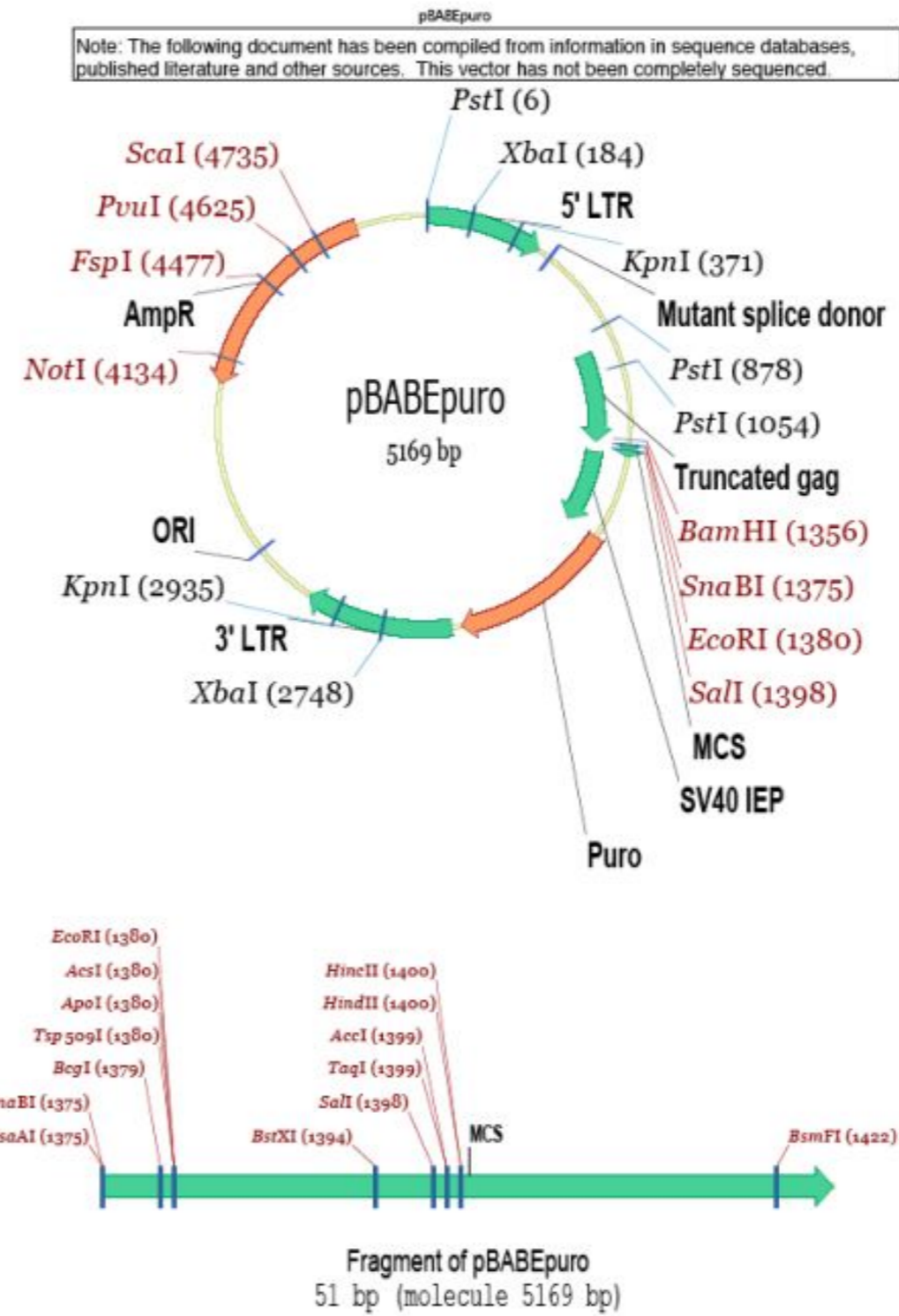
Inserts mouse Twist1

Reporter gene

Promoter, splice, PolyA - Moloney murine leukemia virus LTR

Comments - obtained from Addgene (plasmid ID # 1783)
- Twist1 coding sequence is cloned into SnaBI site as blunted fragment, destroying the SnaBI site.

Reference Yang et al., Cell 2004 Jun 25;117(7):927-39.



Construct number

2549

Date entered

20.10.14

Constructed by

Date constructed

PLASMID NAME

pSpCas9(BB)-2A-GFP

alternative name

PX458

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Vector for combined expression of sgRNA scaffold and Cas9-GFP fusion (separated by self-cleaving peptide 2A); Cas9 fusion has 3xFlag and NLS.

Reporter gene

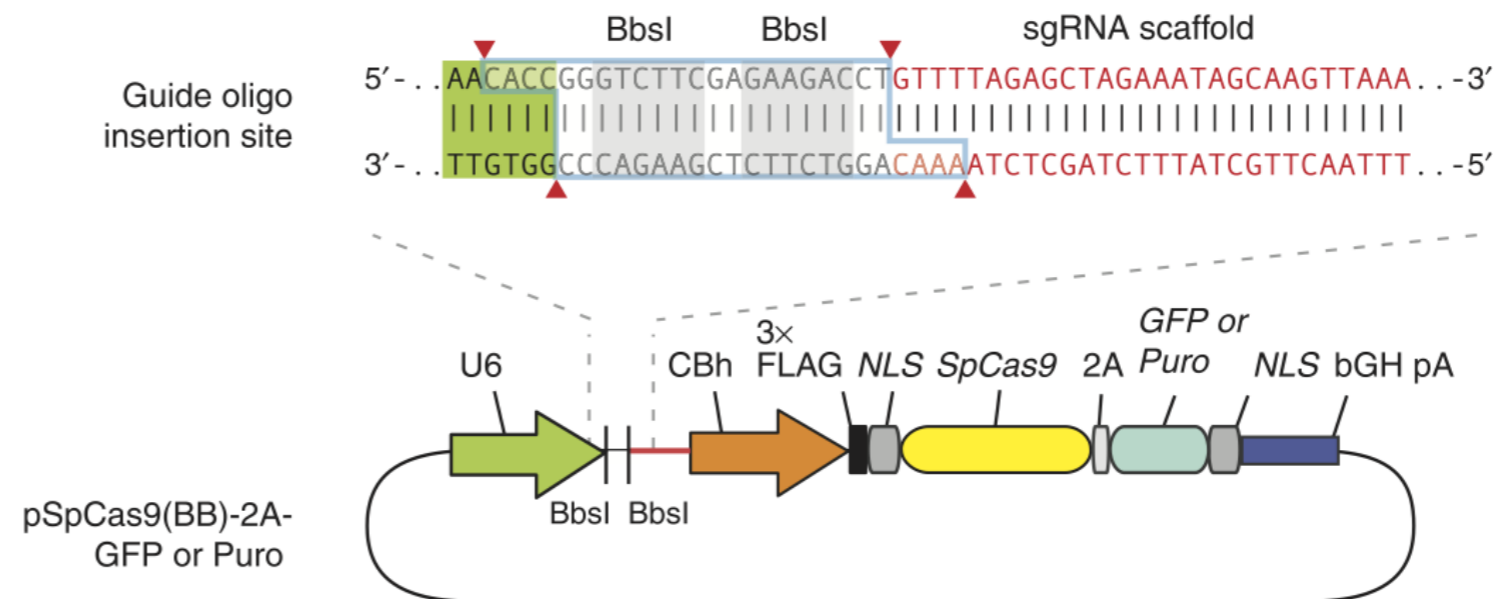
Promoter, - U6 promoter driving sgRNA
splice, - CBh (a modified CAG) driving the Cas9-GFP fusion
PolyA - bGH poly A

Comments

- obtained from Addgene (plasmid # 48138)
- BbsI sites allow scarless insertion of guide sequence oligos.
- complete sequence available

Reference

Ran et al., Nat Protoc. 2013 Nov;8(11):2281-308. doi: 10.1038/nprot.2013.143.



Construct number

Date entered 21.10.14

Constructed by

Date constructed

PLASMID NAME

pSpCas9(BB)-2A-Puro

alternative name

PX459

bacterial marker Amp
vertebrate marker Puromycin

parent vector
bacterial plasmid
other relevant source constructs

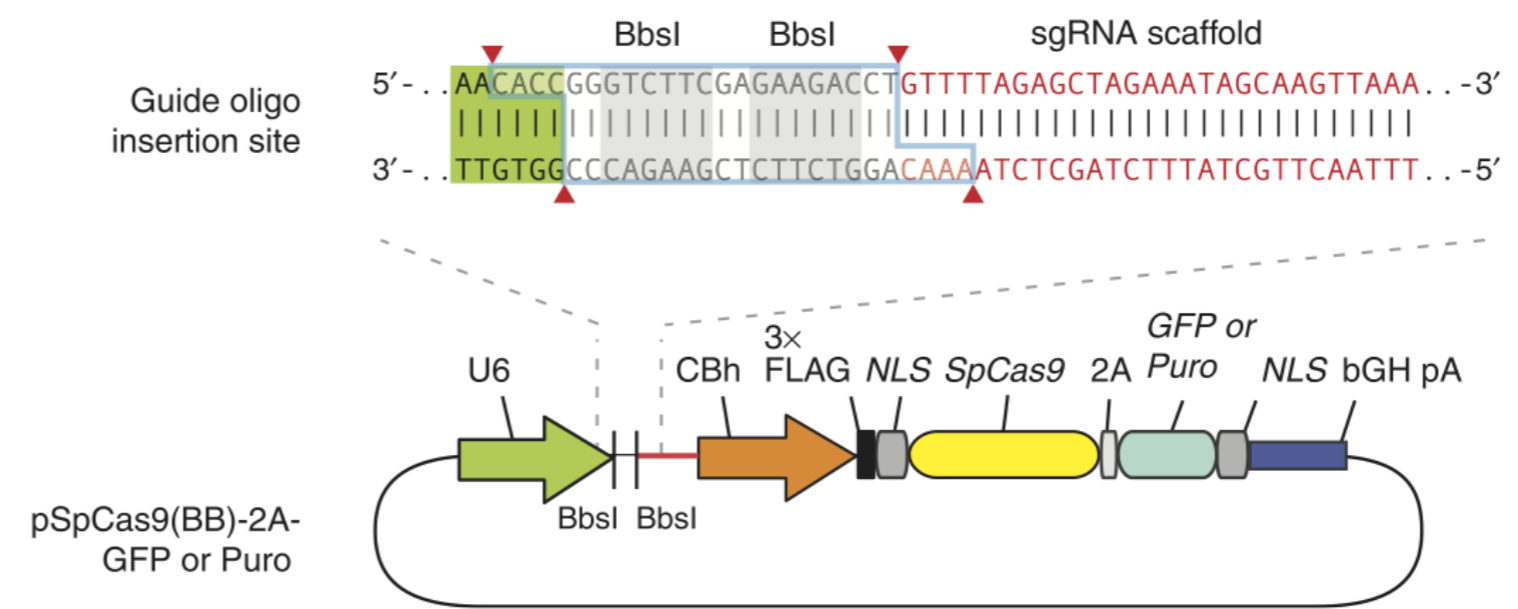
Inserts Vector for combined expression of sgRNA scaffold and Cas9-Puro fusion (separated by self-cleaving peptide 2A); Cas9 fusion has 3xFlag and NLS.
Note that this is the plasmid used in the original publication. The Puro gene in this plasmid has a point mutation that renders it less effective in some cell lines. A new version of this plasmid is available; it has corrected that point mutation, thus improving Puro selection.

Reporter gene

Promoter, splice, PolyA
- U6 promoter driving sgRNA
- CBh (a modified CAG) driving the Cas9-Puro fusion
- bGH poly A

Comments
- obtained from Addgene (plasmid # 48139)
- BbsI sites allow scarless insertion of guide sequence oligos.
- complete sequence available

Reference Ran et al., Nat Protoc. 2013 Nov;8(11):2281-308. doi: 10.1038/nprot.2013.143.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.11.14

Constructed by Tai WANG

Date constructed 2010

PLASMID NAME

pB/ScHsp82 K98R

alternative name

bacterial marker Amp	parent vector DP747
	bacterial plasmid
	other relevant source constructs

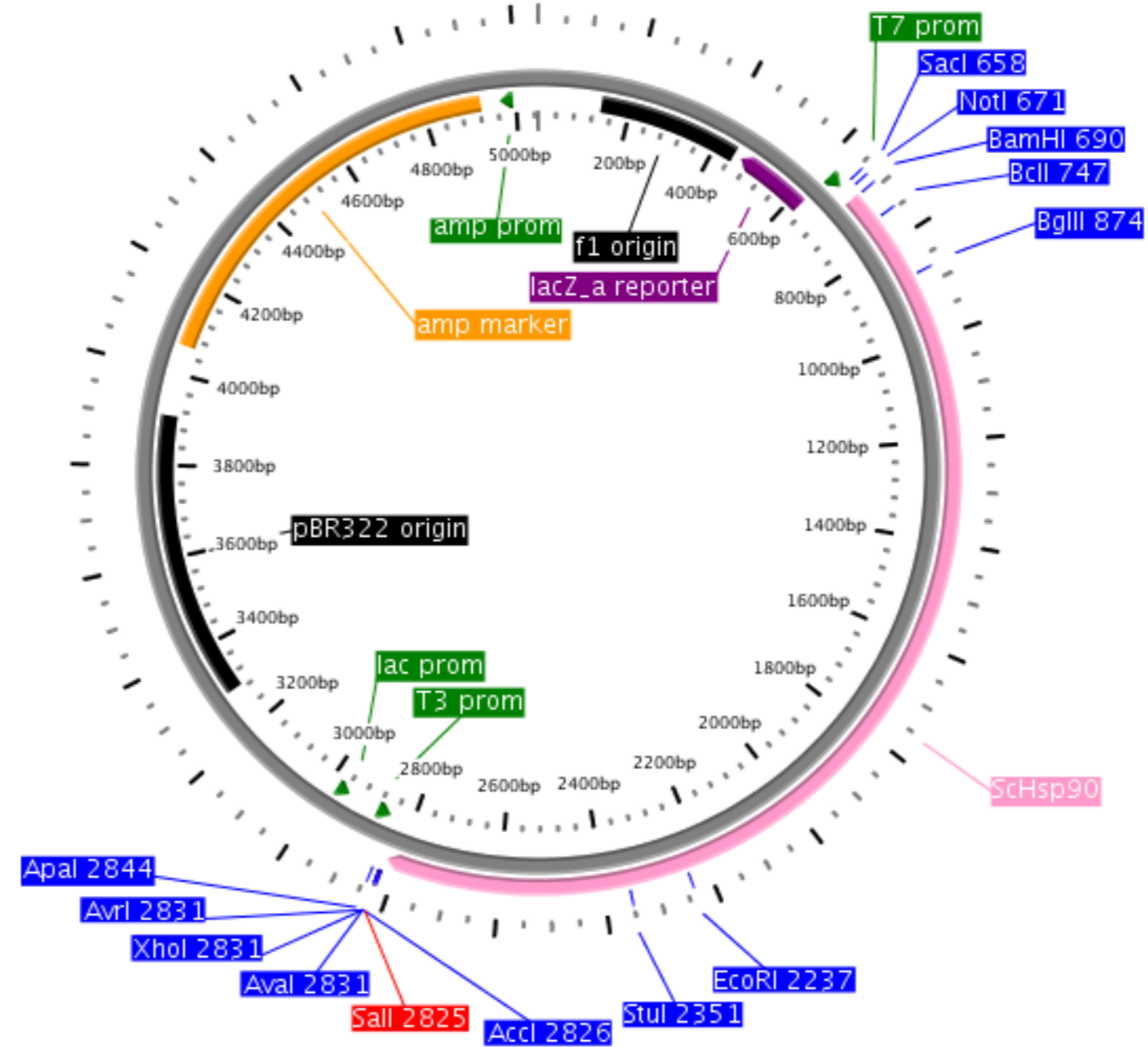
Inserts From pB/ScHsp82 but has ScHsp82-K98R mutation
Mutation site:
... CTTGGGTACCATTGCCAgaTCTGGTACCAAAGCCTT ...

Reporter gene

**Promoter,
splice,
PolyA**

Comments - used as template for PCR-directed mutagenesis on ScHsp82
- full sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Tai WANG

Date entered 6.11.14
 Date constructed 28.06.2011

PLASMID NAME

pB/PfHsp90 K313Q

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts PfHsp90 flanked by BamHI and Sall site and cloned in a pB vector
 Mutation site sequences available (from sequencing CHP-42).

Original sequences:
 ...AAT AAA CAA AAA CCA TTA ...
 After mutation:
 ...AAT AAA CAA CAG CCA TTA ...

K313Q mimics the acetylation status of the PfHsp90

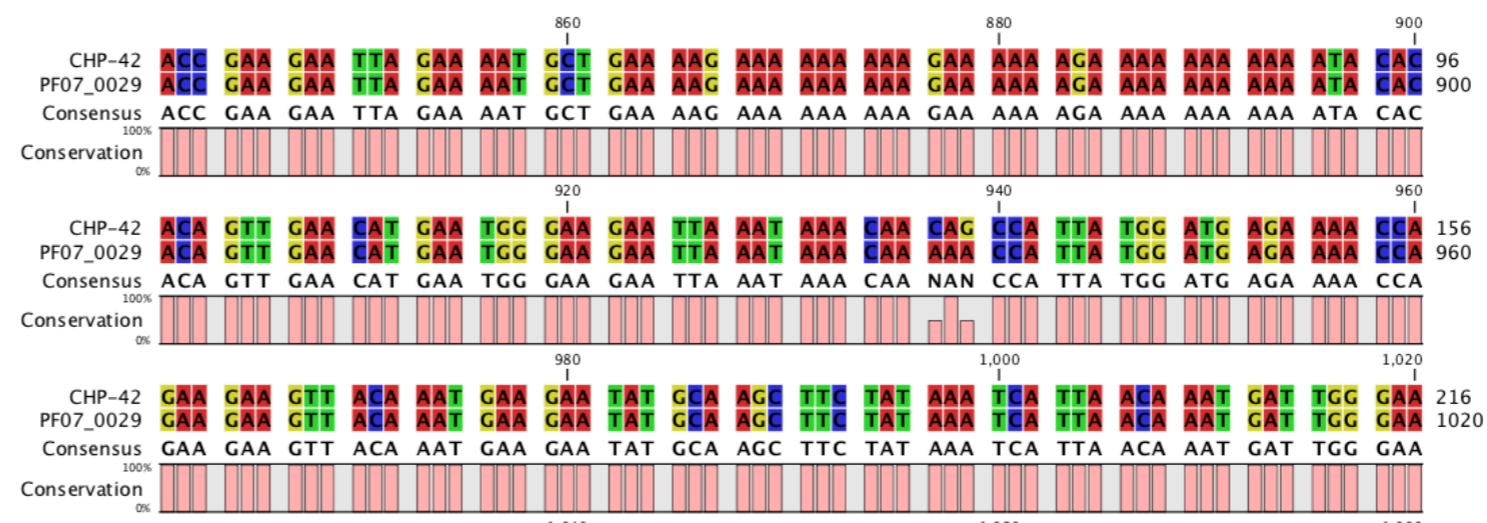
Reporter gene

**Promoter,
 splice,
 PolyA**

Comments This mutation was generated by PCR site-directed mutagenesis using primers below:

F:
 ACATGAATGGGAAGAATTAATAAACAACAGCCATTATGGATGAGAAAACCA

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.11.14

Constructed by Tai WANG

Date constructed 2011

PLASMID NAME

pHGF/PfHsp90 K313Q

bacterial marker Amp

yeast marker HIS3

eukaryotic replicon CEN/ARS

parent vector

2095

bacterial plasmid

Bluescript

other relevant source constructs

2553, 2336

Inserts Flag-tagged Plasmodium falciparum Hsp90 K313Q mutant

K313Q mutation site:

Original sequences:

...AAT AAA CAA AAA CCA TTA ...

After mutation:

...AAT AAA CAA CAG CCA TTA ...

Reporter gene

Promoter, - GPD promoter
splice, - PGK terminator
PolyA

Comments - cDNA was cloned from 2553.
- complete sequence available (mutation site aaa -> cag was indicated in lower case)

Reference Wang, T., et al., Differences in Conformational Dynamics between Plasmodium falciparum and Human Hsp90 Orthologues Enable the Structure-Based Discovery of Pathogen-Selective Inhibitors. J Med Chem, 2014.

DIDIER PICARD LAB, University of Geneva

Construct number 2555

Date entered 6.11.14

Constructed by Tai WANG

Date constructed 2012

PLASMID NAME

pHGF/PfHsp90 K313Q R98K

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

2336

bacterial plasmid

Bluescript

other relevant source constructs

2554

Inserts Flag-tagged Plasmodium falciparum Hsp90 K313Q, R98K double mutant

R98K mutation site:

Original:

... ACT ATT GCA AGA TCA GGA ...

Mutated:

... ACT ATT GCA Aag TCA GGA ...

Reporter gene

Promoter, - GPD promoter
splice, - PGK terminator
PolyA

Comments - complete sequence available

Reference Wang, T., et al., Differences in Conformational Dynamics between Plasmodium falciparum and Human Hsp90 Orthologues Enable the Structure-Based Discovery of Pathogen-Selective Inhibitors. J Med Chem, 2014.

DIDIER PICARD LAB, University of Geneva

Construct number 2556

Date entered 6.11.14

Constructed by Tai WANG

Date constructed 07.2012

PLASMID NAME

pHGF/PfHsp90 K313Q ISG-LGA

bacterial marker Amp

yeast marker HIS3

eukaryotic replicon CEN/ARS

parent vector

2336

bacterial plasmid

Bluescript

other relevant source constructs

2553

Inserts Flag-tagged Plasmodium falciparum Hsp90 K313Q with:
I108L, S111G, G112A triple mutations at the lid of the ATPase pocket.
Mutation site (IXXSG-LXXGA):

Original sequence:

...ATGGAAGCCATACAAGCCAGTGGAGATATATCT...

Mutated sequence (in lower case):

...ATGGAAGCCcTACAAGCCgGcGcAGATATATCT...

Reporter gene

Promoter, - GPD promoter
splice, - PGK terminator
PolyA

Comments - mutagenesis done by Mutagenex (quote no. 1400-S041, vector no.1400-13)
- complete sequence available

Reference Wang, T., et al., Differences in Conformational Dynamics between Plasmodium falciparum and Human Hsp90 Orthologues Enable the Structure-Based Discovery of Pathogen-Selective Inhibitors. J Med Chem, 2014.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.11.14

Constructed by Tai WANG

Date constructed 01.03.2011

PLASMID NAME

pHGF/HsHsp90 β

alternative name

pHGF/HsHsp90 β -FL

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector

2096

bacterial plasmid

other relevant source constructs

2096,135

Inserts Flag-tagged Human Hsp90beta Full-length

The cDNA is flanked by BamHI and Sall

This is a correction of plasmid no. 2096 that lacks C-terminal EEVD.

Reporter gene

Promoter, splice, PolyA GPD constitutive promoter

Comments Cloning:
The 3-terminal containing MEEVD sequence was extracted from plasmid no. 135 by Bpu10I + Sall digestion. It was ligated back into the plasmid 2096 digested by Bpu10I + Sall.

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.11.14

Constructed by Tai WANG

Date constructed 2011

PLASMID NAME

pLGF/PfHsp90 K313Q

bacterial marker Amp

yeast marker LEU2

eukaryotic replicon CEN/ARS

parent vector

bacterial plasmid

Bluescript

other relevant source constructs

pHGF/PfHsp90
pHGF/PfHsp90 K313Q

Inserts Plasmodium falciparum Hsp90 (PF07_0029) with Flag-tag at N-terminus
With mutation K313Q

The cDNA is flanked by BamHI and Sall

Reporter gene

Promoter,
splice,
PolyA GPD promoter and PGK terminator

Comments For the mutation site, please refer to plasmid no. 2554

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.11.14

Constructed by Tai WANG

Date constructed 2011

PLASMID NAME

pLGF/PfHsp90 K313Q R98K

bacterial marker Amp

yeast marker LEU2

eukaryotic replicon CEN/ARS

parent vector

bacterial plasmid

Bluescript

other relevant source constructs

pHGF/PfHsp90
pHGF/PfHsp90 K313Q R98K

Inserts Plasmodium falciparum Hsp90 (PF07_0029) with Flag-tag at N-terminus
With mutations K313Q and R98K

The cDNA is flanked by BamHI and Sall

Reporter gene

Promoter,
splice,
PolyA GPD promoter and PGK terminator

Comments For the mutation site, please refer to plasmid no. 2554 and no. 2555

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.11.14

Constructed by Tai WANG

Date constructed 2011

PLASMID NAME

pLGF/ScHsp82 L34V I35V

bacterial marker Amp

yeast marker LEU2

eukaryotic replicon CEN/ARS

parent vector

bacterial plasmid

Bluescript

other relevant source constructs

pHGF/PfHsp90
pHGF/PfHsp90 K313Q R98K

Inserts Yeast Hsp82 with Flag-tag at N-terminus.
The cDNA is flanked by BamHI and Sall
With mutations L34V I35V (renders radicicol resistance)

Reporter gene

Promoter,
splice,
PolyA GPD promoter and PGK terminator

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.11.14

Constructed by Tai WANG

Date constructed 2010

PLASMID NAME

pLGF/TbHsp90

bacterial marker Amp

yeast marker LEU2

eukaryotic replicon CEN/ARS

parent vector

pHGF/TbHsp90

bacterial plasmid

Bluescript

other relevant source constructs

Inserts *Trypanosoma brucei* Hsp90 (Hsp83) with Flag-tag at 5'
The cDNA was flanked by BamHI and EcoRI sites.

Reporter gene

Promoter, - GPD promoter
splice,
PolyA

Comments The entire cDNA sequence of the TbHsp90 was cloned directly from Tb genomic DNA by PCR using Phusion polymerase (High fidelity buffer set) with primers generating BamHI site at 5' and EcoRI site at 3'.

pHGF parental vector is originated from pHGF/Hsp90alpha (DP Plasmid -- 2122) with BamHI and EcoRI

Reference Trypanosoma brucei chromosome 10, whole genome shotgun sequence. Pubmed --> Nucleotide --> "CM000208" : Chromosome 10, annotation: "hsp83"

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.11.14

Constructed by Tai WANG

Date constructed 2010

PLASMID NAME

pLGF/LdHsp90

bacterial marker Amp

yeast marker LEU2

eukaryotic replicon CEN/ARS

parent vector

pHGF/LdHsp90 (DP Plasmid no.2295)

bacterial plasmid

Bluescript

other relevant source constructs

Inserts *Leishmania donovani* Hsp90 with Flag-tag at 5'

The cDNA was flanked by BamHI and EcoRI

Reporter gene

Promoter, - GPD promoter
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.11.14

Constructed by Tai WANG

Date constructed 2010

PLASMID NAME

pLGF/TgHsp90

bacterial marker Amp

yeast marker LEU2

eukaryotic replicon CEN/ARS

parent vector

pHGF/TgHsp90

bacterial plasmid

Bluescript

other relevant source constructs

Inserts *Toxoplasma gondii* Hsp90 with Flag-tag at 5'

The cDNA was flanked by BamHI and EcoRI

Reporter gene

Promoter,
splice,
PolyA - GPD promoter

Comments

Reference

Construct number 2564

Date entered 7.11.14

Constructed by Utpal Tatu

Date constructed 12.2012

PLASMID NAME

pRSET/Hsp90α

bacterial marker Amp

parent vector

pRSET-A

bacterial plasmid

pUC

other relevant source constructs

pRSET/Hsp90alpha-N

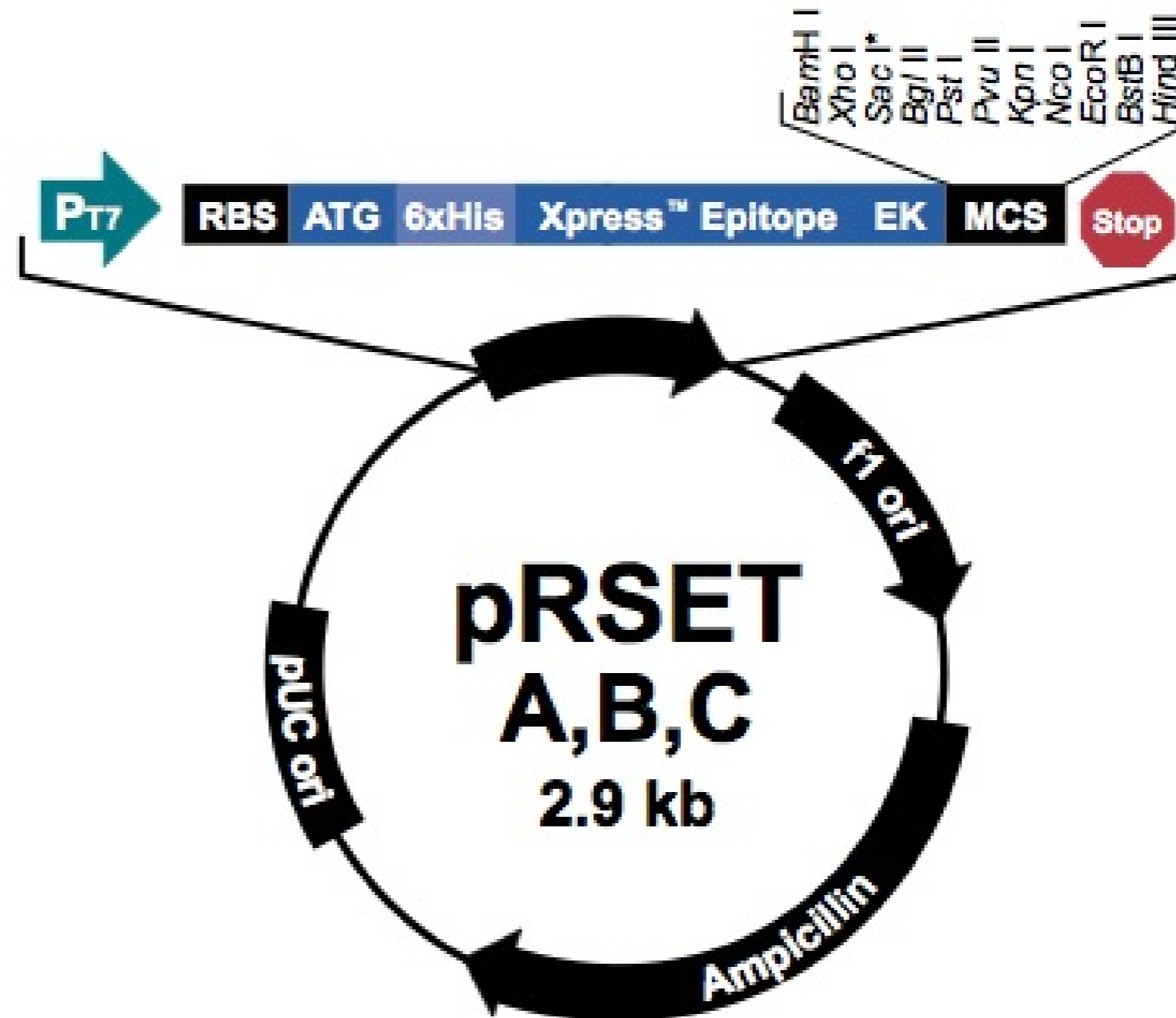
Inserts His6 tag - Xpress epitope - EK cleavage site - Human Hsp90α full length

Reporter gene

Promoter, splice, PolyA T7

Comments - high copy bacterial expression vector with His6 tag
- map shows empty expression vector

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.11.14

Constructed by Tai WANG (by Mutagenex)

Date constructed 01.10.2011

PLASMID NAME

pB/ScHsp82 L173V

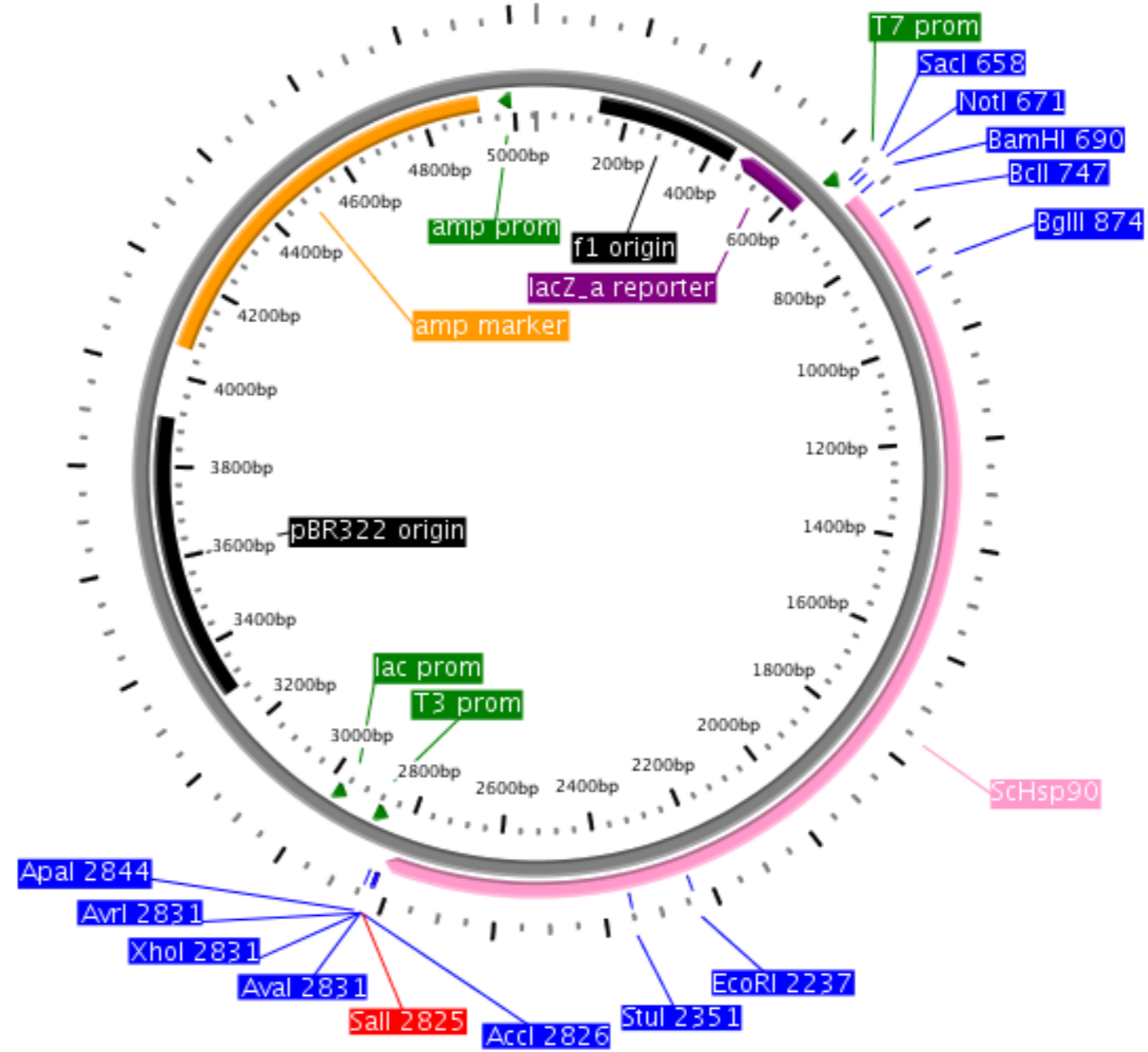
alternative name

<u>bacterial marker</u> Amp	<u>parent vector</u> 747
	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u> 2094

<u>Inserts</u>	ScHsp82 with L173V mutation The cDNA is flanked by BamHI and SalII sites. The L173V mutation changed the original sequence from ATCTTGAGG into ATCgTGAGG on a pB/ScHsp82 vector
<u>Reporter gene</u>	<input type="text"/>
<u>Promoter, splice, PolyA</u>	

Comments mutagenesis done by Mutagenex (USA)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.11.14

Constructed by Tai WANG (by Mutagenex)

Date constructed 01.10.2011

PLASMID NAME

pB/ScHsp82 A38S L173V

alternative name

<u>bacterial marker</u> Amp	<u>parent vector</u> 747
	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u> 2565

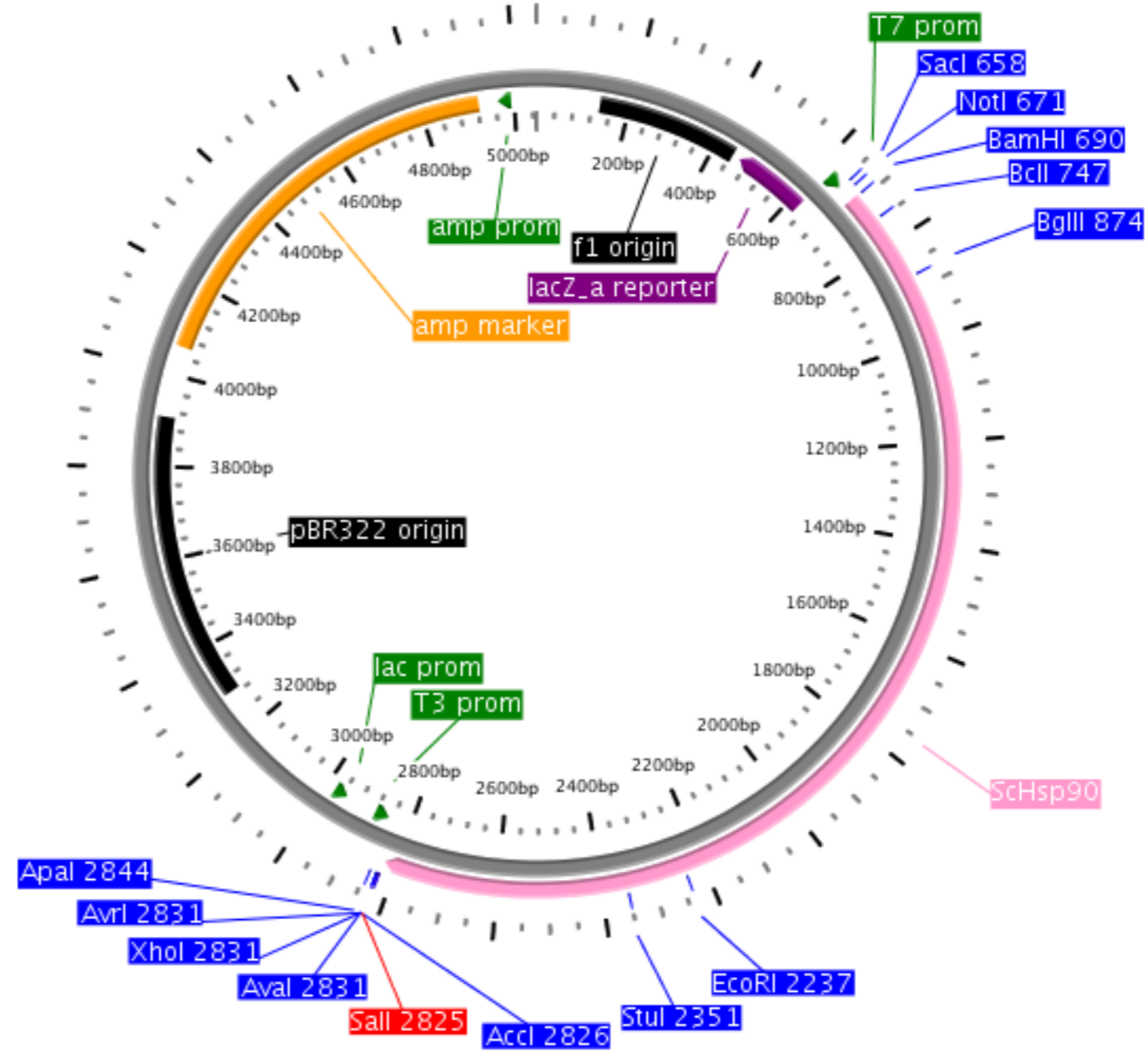
Inserts ScHsp82 with L173V and A38S mutations
The cDNA is flanked by BamHI and SalII sites.
The A38S mutation changed the original sequence from AATGCCTCG into AATagCTCG in a pB/ScHsp82 L173V vector (plasmid no. 2565)

Reporter gene

**Promoter,
splice,
PolyA**

Comments mutagenesis done by Mutagenex (USA)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.11.14

Constructed by Tai WANG

Date constructed 14.06.2010

PLASMID NAME

pB/ScHsp82 K98R L173I

alternative name

<u>bacterial marker</u> Amp	<u>parent vector</u> 2551
	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u> 2094

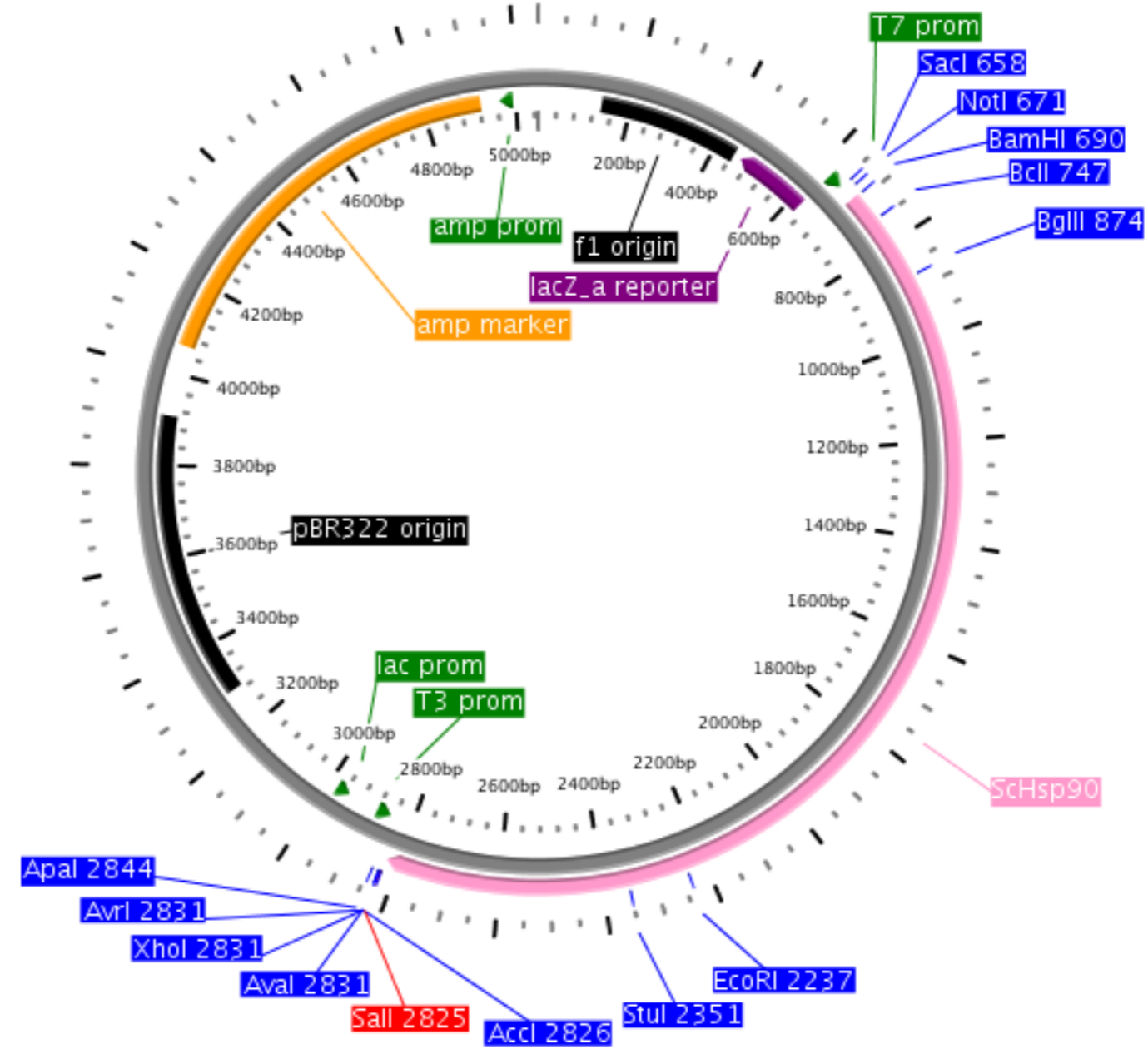
Inserts ScHsp82 with K98R and L173I mutations
 The cDNA is flanked by BamHI and SalII sites.
 The L173I mutation changed the original sequence from ATCTACAGG into ATCattAGG in a pB/ScHsp82 R98K vector (no. 2551)

Reporter gene

Promoter, splice, PolyA

Comments mutagenesis done by Mutagenex (USA)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 2568

Date entered 7.11.14

Constructed by Tai WANG

Date constructed 10.2011

PLASMID NAME

pHGF/ScHsp82 L173V

alternative name

bacterial marker Amp

parent vector
2565

bacterial plasmid

yeast marker HIS3

other relevant source constructs

eucaryotic replicon CEN/ARS

pHGF/Hsp82

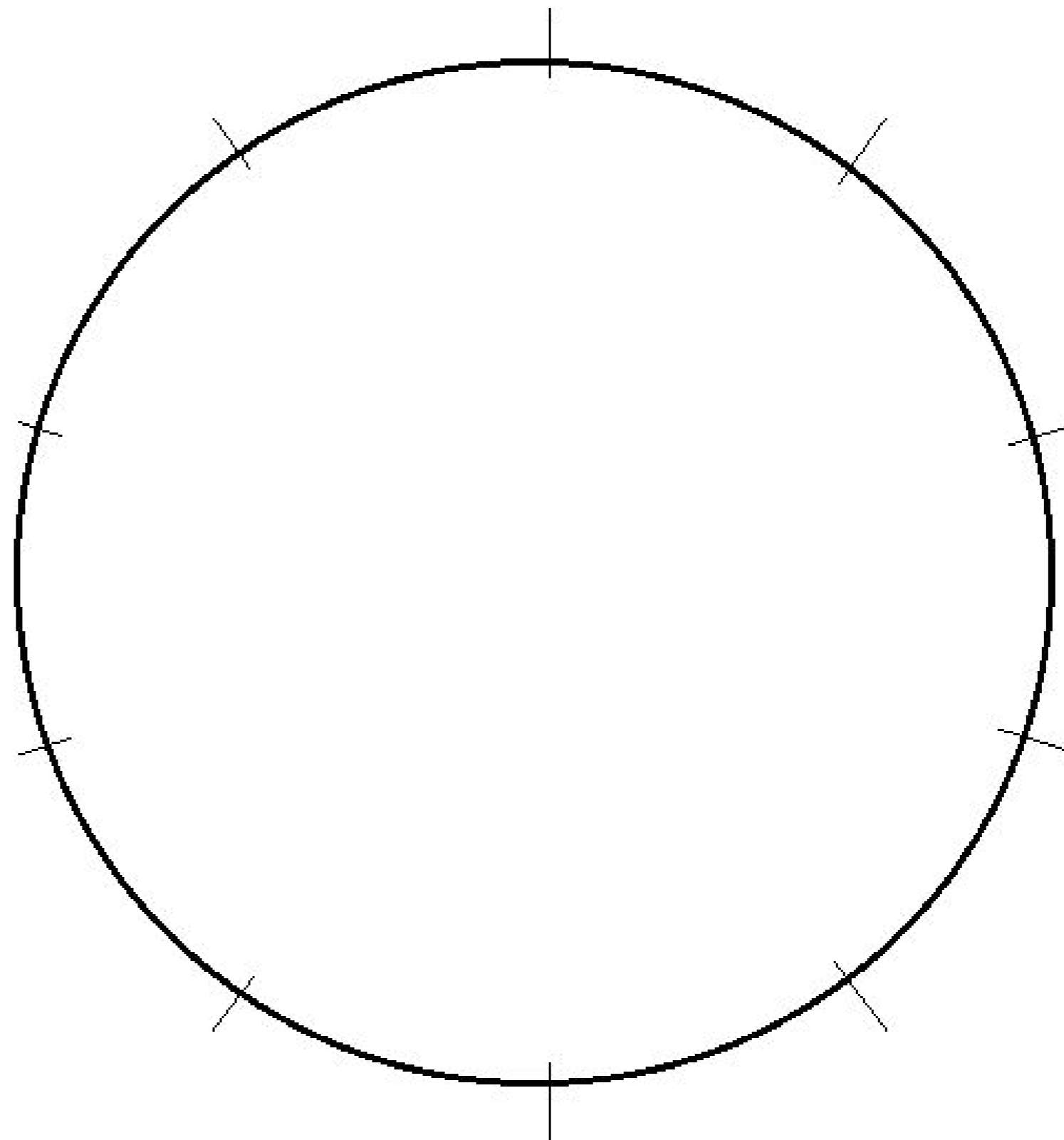
Inserts Hsp82 L173V taken from plasmid no. 2565 and ligated into pHGF vector between BamHI and Sall sites
Please refer to plasmid no. 2565 for the detail of the mutation site.

Reporter gene

Promoter, splice, PolyA GPD constitutive promoter

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.11.14

Constructed by Tai WANG

Date constructed 10.2011

PLASMID NAME

pHGF/ScHsp82 A38S L173V

alternative name

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector
2566

bacterial plasmid

other relevant source constructs
pHGF/Hsp82

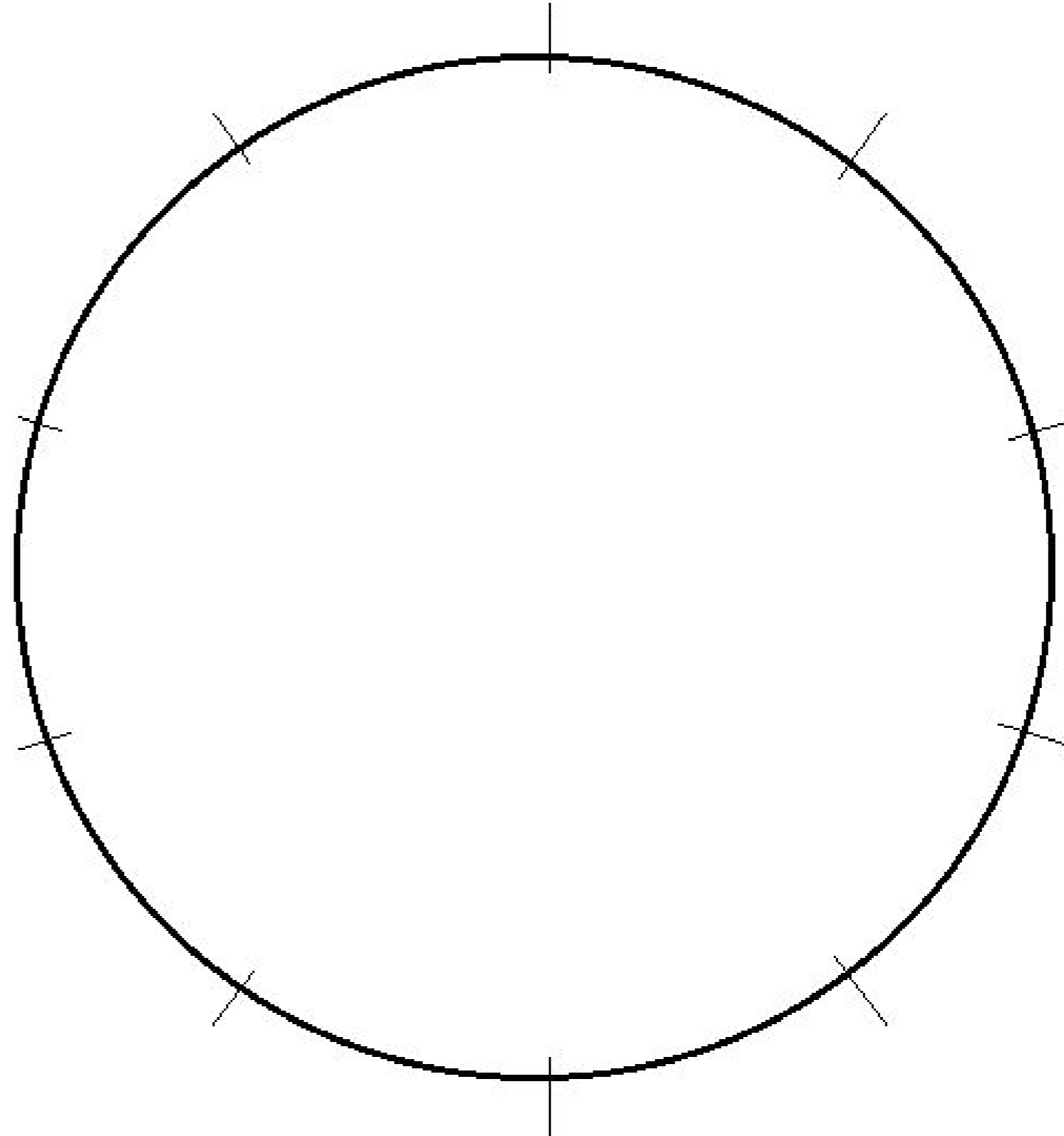
Inserts Hsp82 A38S L173V taken from plasmid no. 2566 and ligated into pHGF vector between BamHI and Sall sites
Please refer to plasmid no. 2565 for the detail of the mutation site.

Reporter gene

Promoter, splice, PolyA GPD constitutive promoter

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.11.14

Constructed by Tai WANG

Date constructed 10.2011

PLASMID NAME

pHGF/ScHsp82 K98R L173I

alternative name

bacterial marker Amp

yeast marker HIS3

eucaryotic replicon CEN/ARS

parent vector
2566

bacterial plasmid

other relevant source constructs
pHGF/Hsp82

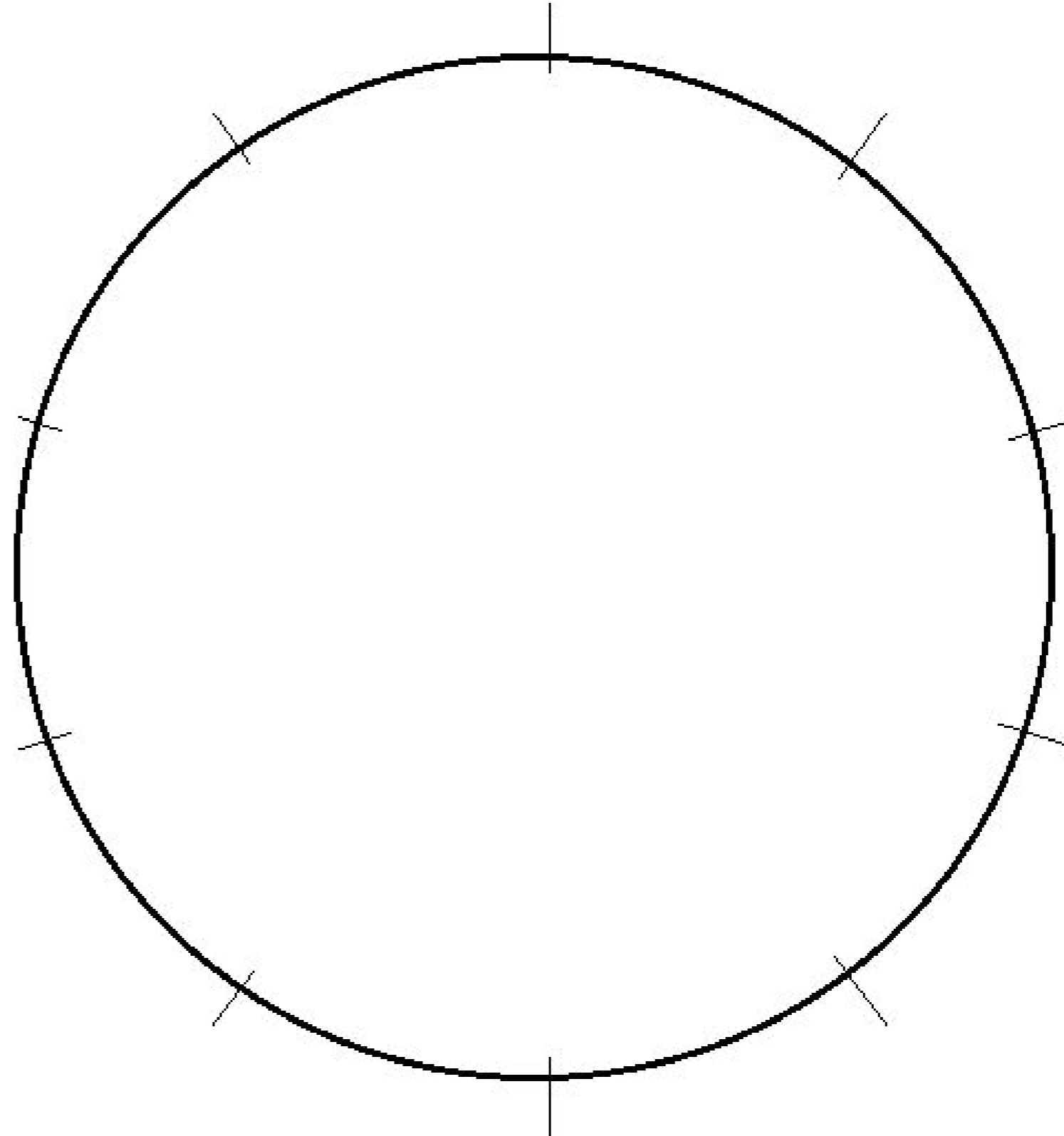
Inserts Hsp82 K98R L173V taken from plasmid no. 2565 and ligated into pHGF vector between BamHI and Sall sites
Please refer to plasmid no. 2567 for the detail of the mutation site.

Reporter gene

Promoter, splice, PolyA GPD constitutive promoter

Comments

Reference



Construct number

2571

Date entered

12.11.14

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

2572

Date entered

17.11.14

Constructed by

Ogura et al (2012) Biochim. J

Date constructed

PLASMID NAME

pcDNA3-mito-c-Src WT

bacterial marker Amp

parent vector

pcDNA3

bacterial plasmid

other relevant source constructs

Inserts

WT mitochondrially targeted c-Sr, FLAG tag on the C terminal
MTS fused to the N terminal of C-FLAG tagged c-Src

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Mitochondrial c-Src regulates cell survival through phosphorylation of
respiratory chain components
Ogura et al 2012
Biochemical Journal 447, 281-289

Construct number

2573

Date entered

17.11.14

Constructed by

Ogura et al (2012) Biochem. J.

Date constructed

PLASMID NAME

pcDNA3-mito-c-Src KD

bacterial marker Amp

parent vector

pcDNA3

bacterial plasmid

other relevant source constructs

Inserts

Kinase dead (KD) mutant of mitochondrially targeted c-Src, FLAG tagged on the c-terminus
Lys298 of WT c-Src replaced with a methionine to generate the kinase dead mutant

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Mitochondrial c-Src regulates cell survival through phosphorylation of respiratory chain components
Ogura et al 2012
Biochemical Journal 447, 281-289

Construct number

2574

Date entered

17.11.14

Constructed by

Ogura et al (2012) Biochem. J.

Date constructed

PLASMID NAME

pcDNA3-mito-c-Src-CA

bacterial marker Amp

parent vector

pcDNA3

bacterial plasmid

other relevant source constructs

Inserts

Constitutive active (CA) mutant of mitochondrially targeted c-Src, FLAG tagged on the c-terminus, flag tagged on C terminus
Tyr530 of the WT c-Src was replaced with a phenylalanine residue to generate the CA mutant

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Mitochondrial c-Src regulates cell survival through phosphorylation of respiratory chain components
Ogura et al 2012
Biochemical Journal 447, 281-289

Construct number

2575

Date entered

20.11.14

Constructed by

from Origene

Date constructed

PLASMID NAME

pCMV6-Prrx1

alternative name

RC210393

bacterial marker Kan

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

pCMV6-Entry

bacterial plasmid

pUC

other relevant source constructs

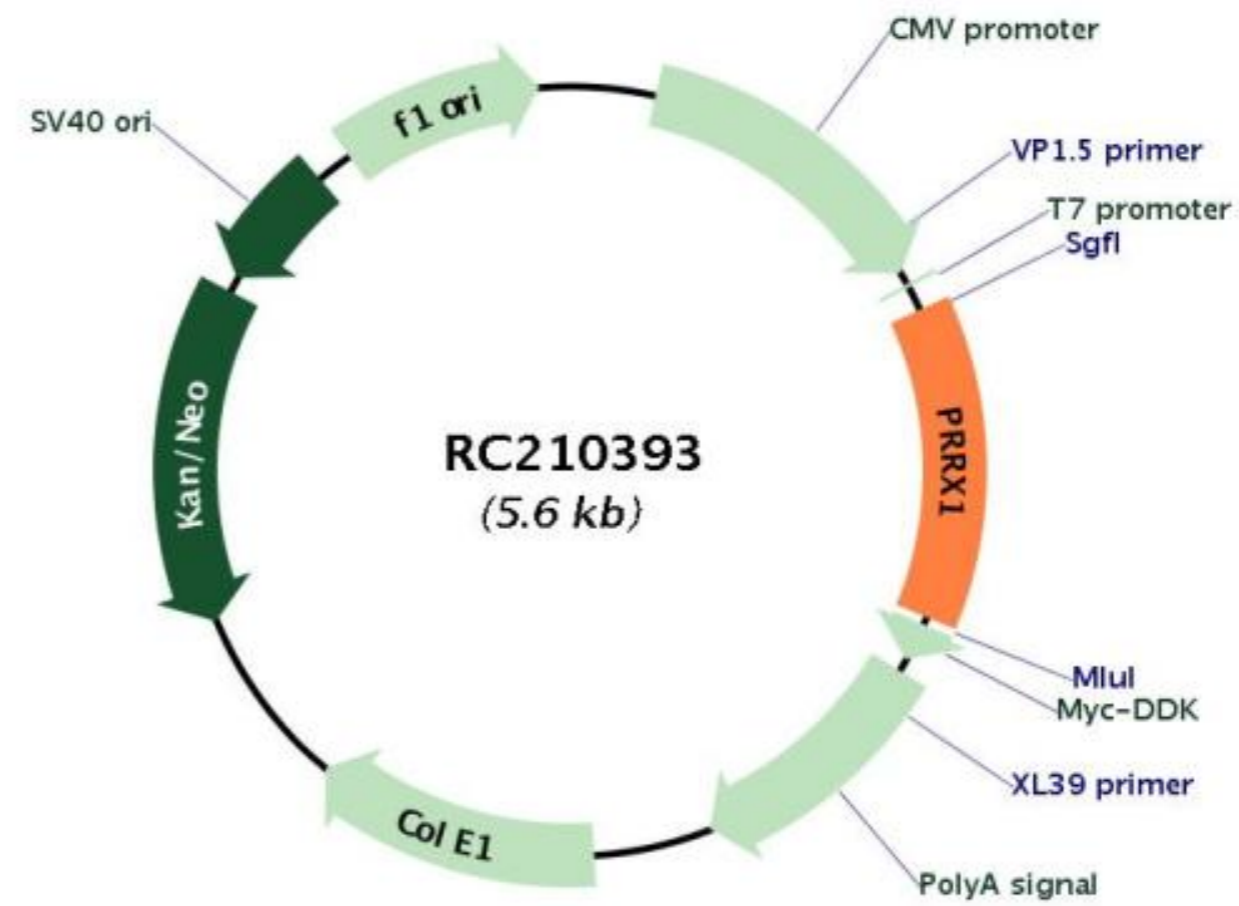
Inserts human Prrx1 with C-terminal Myc-DDK tags.

Reporter gene

Promoter, splice, PolyA - CMV enhancer-promoter

Comments - sequence and additional map (of relevant coding portion) available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2576

Date entered

29.11.14

Constructed by

Marcela Bennesch

Date constructed

PLASMID NAME

pCMX-Flag-LSD1(T110/S111E)

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

eukaryotic replicon SV40 ori

Inserts

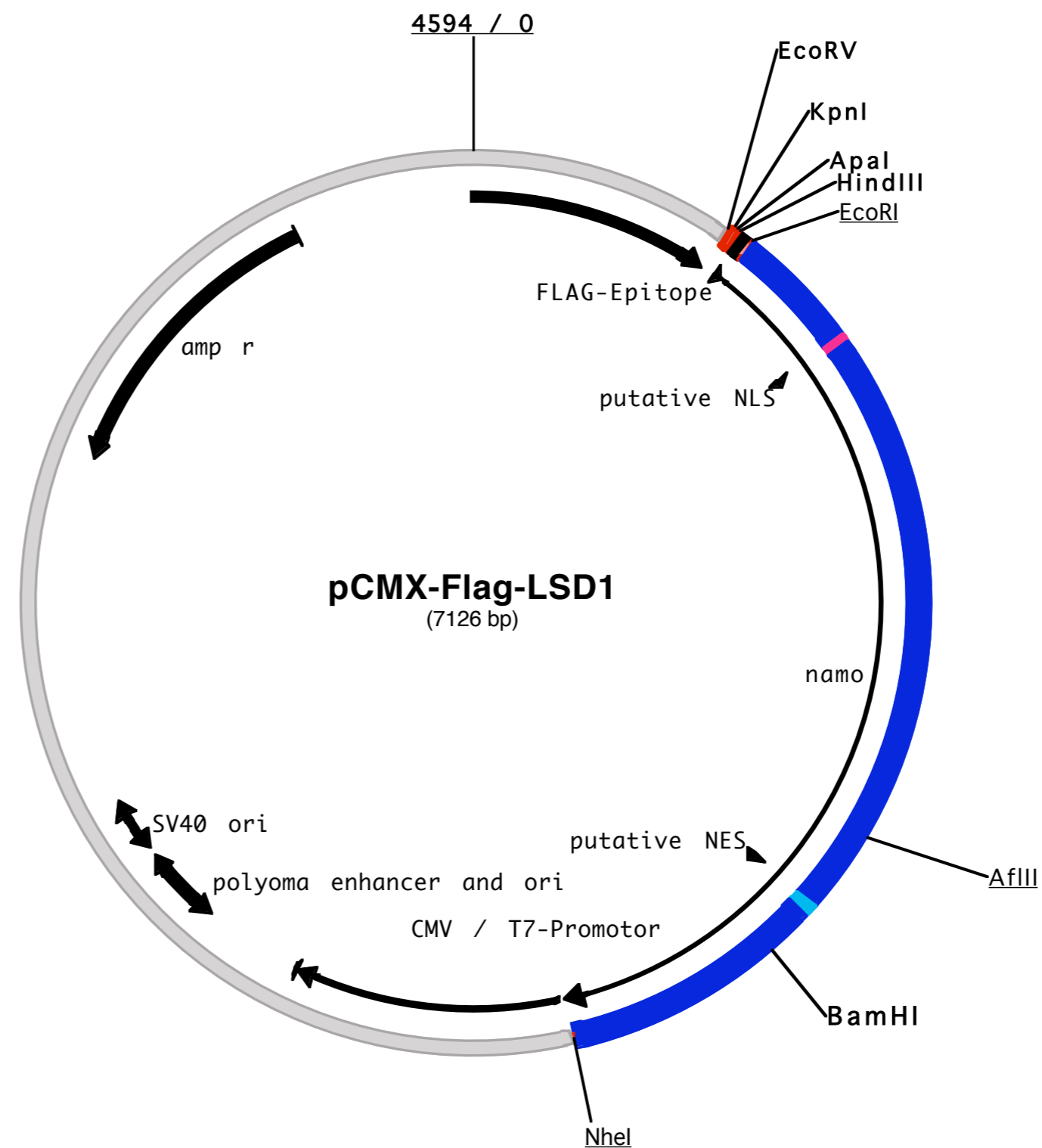
Flag epitope fused to full-length human LSD1 with mutations T110E and S111E to generate a phosphomimic version of PKA phosphorylation. Sequencing of the complete coding region verifies only these two mutations.

Reporter gene

Promoter, splice, PolyA
CMV enhancer/promoter

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2577

Date entered

29.11.14

Constructed by

Marcela Bennesch

Date constructed

PLASMID NAME

pCMX-Flag-LSD1(S111E)

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

eukaryotic replicon SV40 ori

Inserts

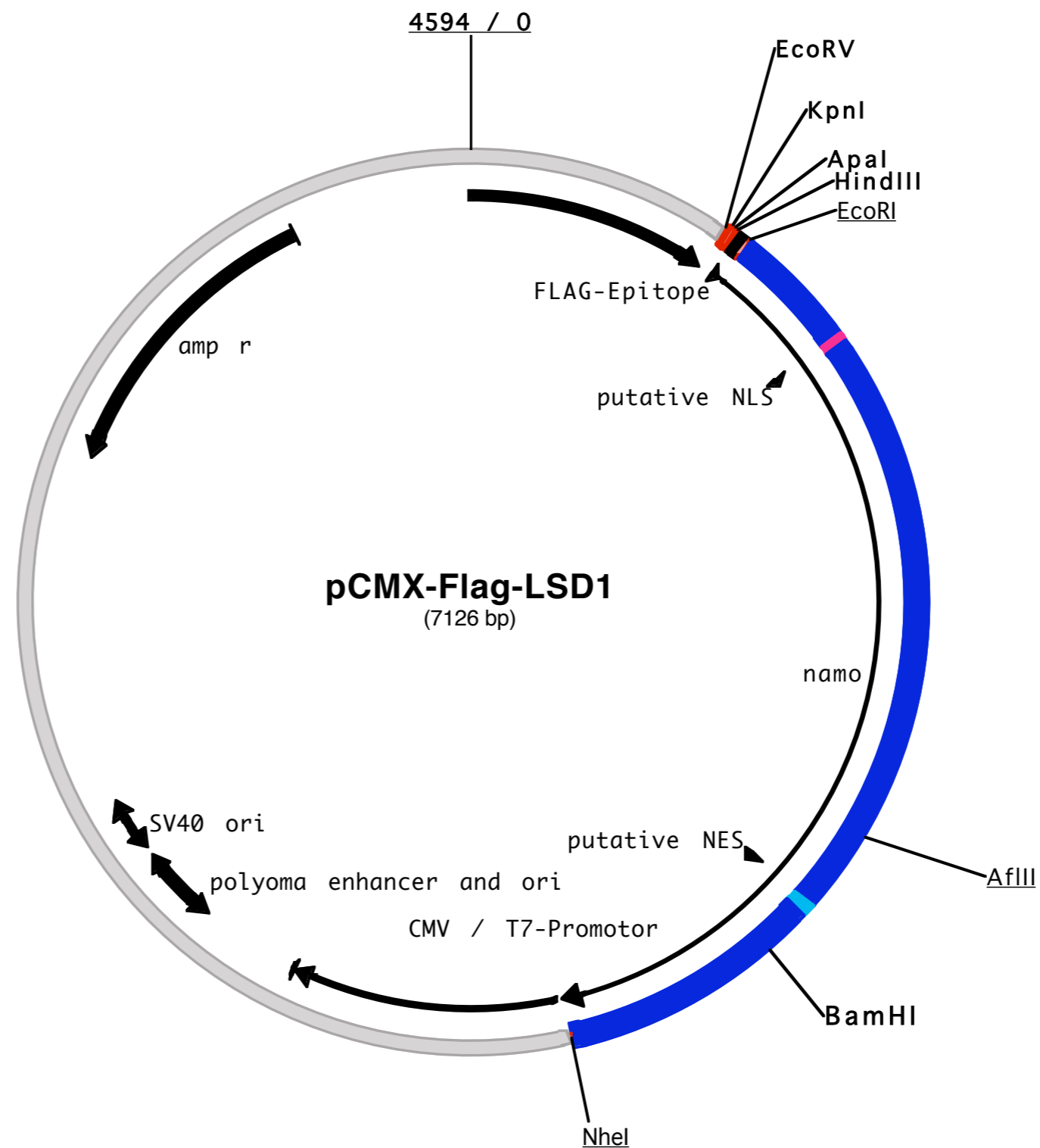
Flag epitope fused to full-length human LSD1 with mutation S111E to generate a phosphomimic version of PKA phosphorylation. Sequencing of the complete coding region verifies only this mutation.

Reporter gene

Promoter, splice, PolyA
CMV enhancer/ promoter

Comments

Reference



Construct number

2578

Date entered

5.2.15

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

2579

Date entered

20.4.15

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.4.15

Constructed by Dina Hany

Date constructed 04/2015

PLASMID NAME

mCherry-KID

<u>bacterial marker</u> Kan	<u>parent vector</u> pmCherry-C1
<u>vertebrate marker</u> Neo (G418)	<u>bacterial plasmid</u> pUC
<u>eucaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

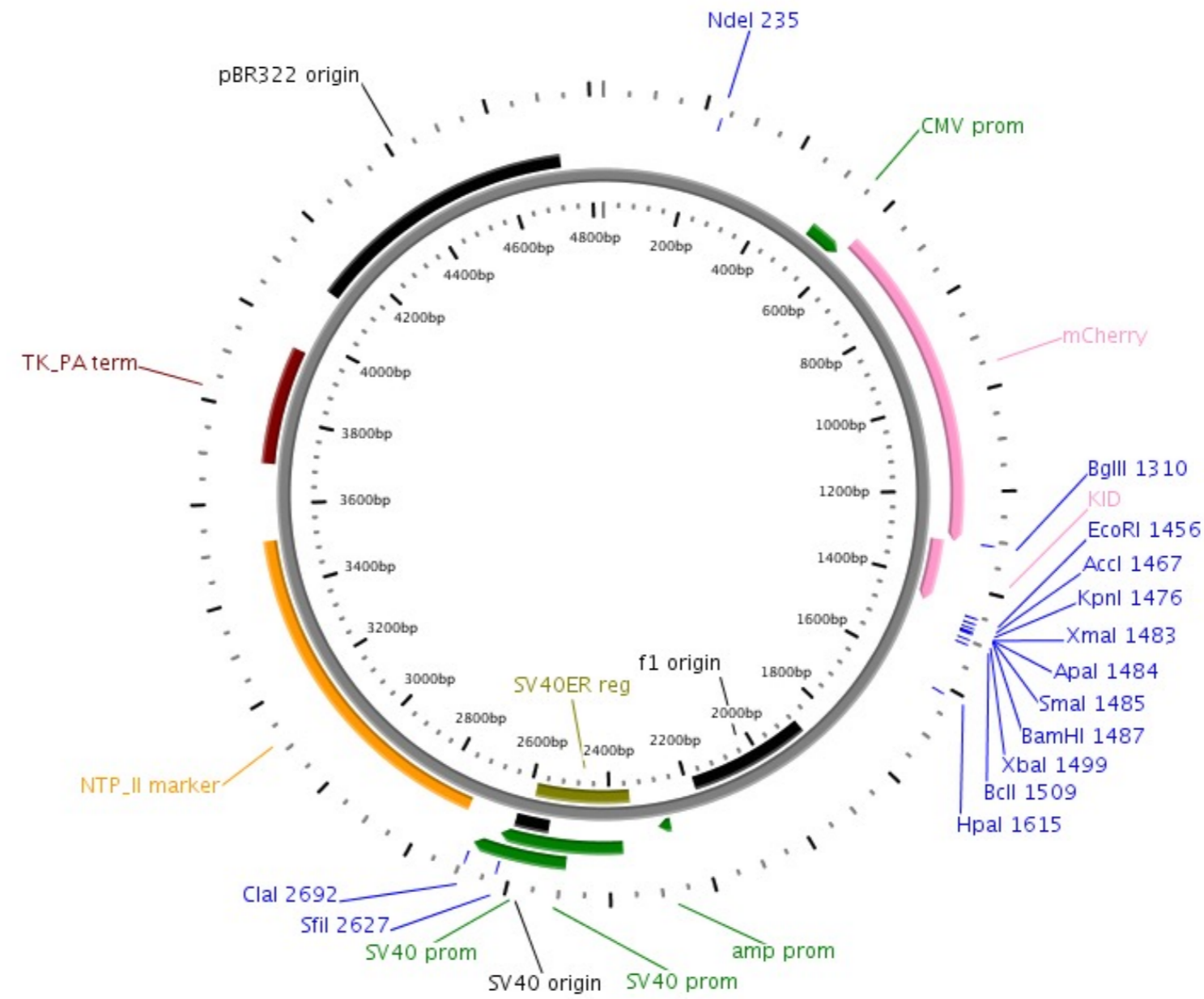
Inserts mCherry fused to KID domain of rat CREB (AA 115-160); contains S133 that becomes phosphorylated in response to cAMP signaling

Reporter gene

Promoter, splice, PolyA
 - CMV enhancer and promoter
 - SV40 poly A

Comments - sequence available

Reference - for pmCherry-C1 parent vector: Picard et al. (2006) Exp. Cell Res. 312, 3949



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.4.15

Constructed by Dina Hany

Date constructed 04/2015

PLASMID NAME

mCherry-KID-M1

bacterial marker Kan	parent vector pmCherry-C1
vertebrate marker Neo (G418)	bacterial plasmid pUC
eucaryotic replicon SV40 ori	other relevant source constructs

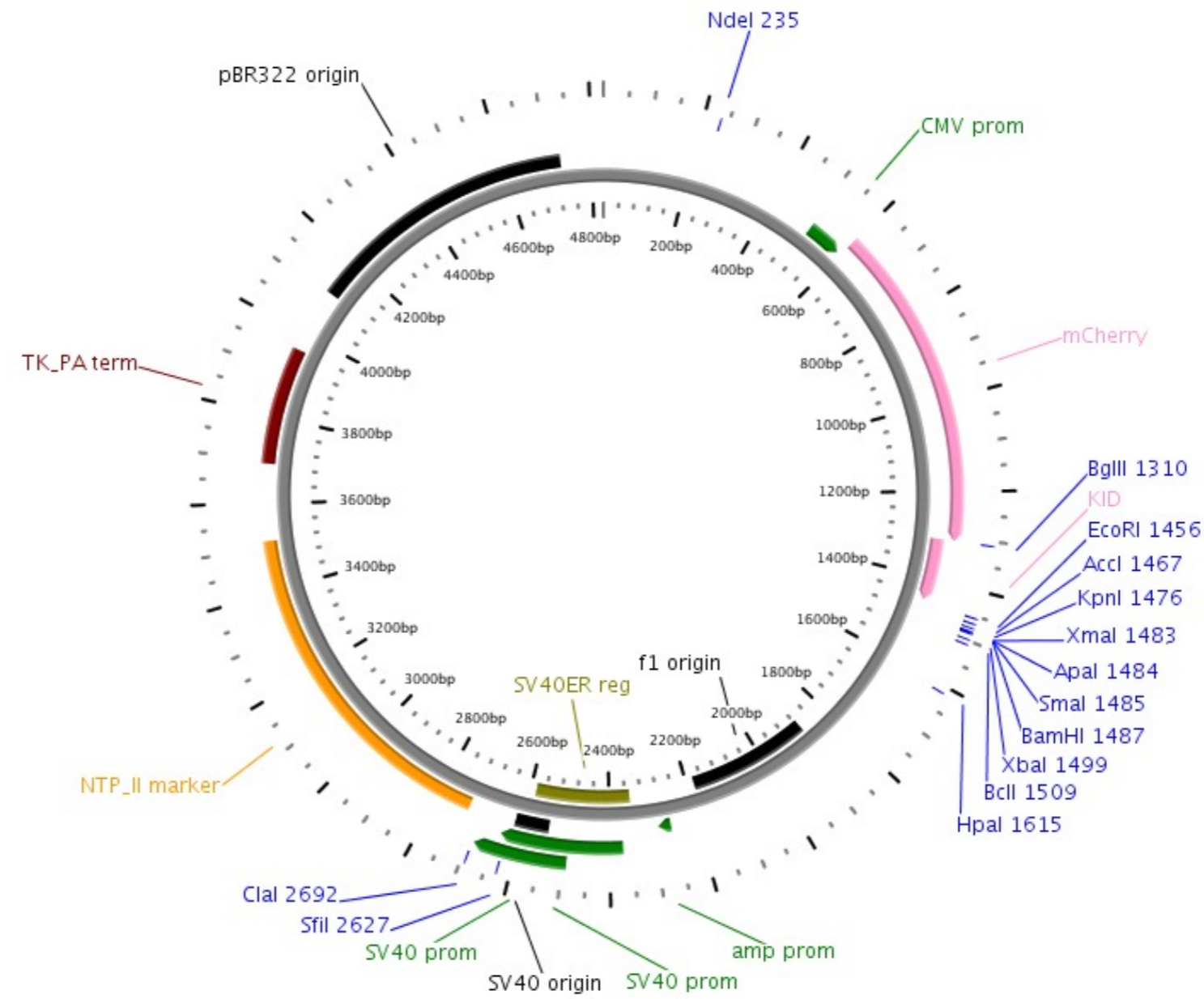
Inserts mCherry fused to KID domain of rat CREB (AA 115-160); contains the mutation S133A at the site that becomes phosphorylated in response to cAMP signaling

Reporter gene

Promoter, splice, PolyA
 - CMV enhancer and promoter
 - SV40 poly A

Comments - sequence available

Reference - for pmCherry-C1 parent vector: Picard et al. (2006) Exp. Cell Res. 312, 3949



DIDIER PICARD LAB, University of Geneva

Construct number 2582

Date entered 29.4.15

Constructed by Dina Hany

Date constructed 04.2015

PLASMID NAME

MyrKIX

bacterial marker Amp	parent vector pSG5-myr
	bacterial plasmid
eukaryotic replicon SV40 ori	other relevant source constructs CK-Prl.3xFLAG

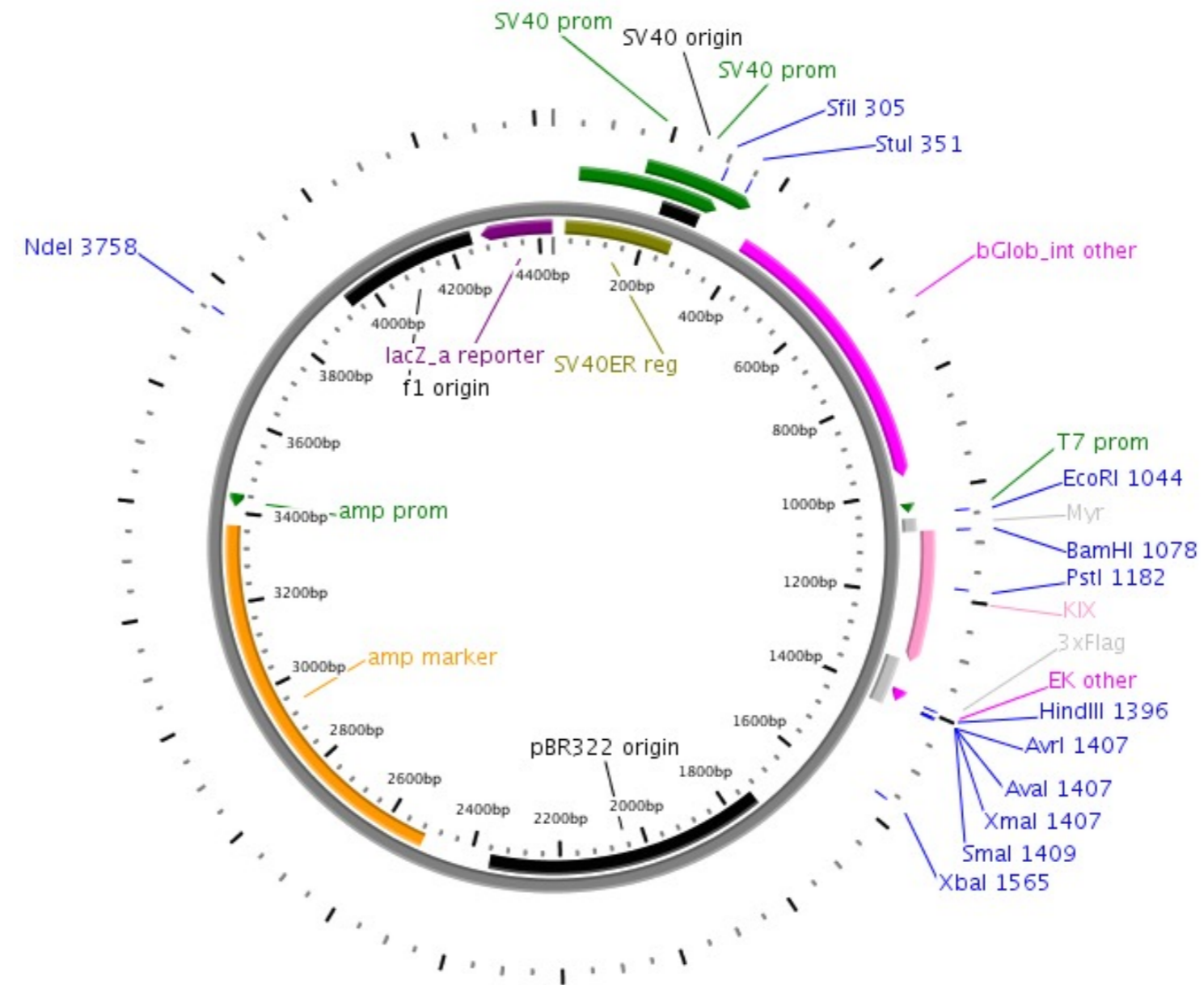
Inserts KIX domain of mouse CBP (AA 586-666) with N-terminal myristoylation sequence and C-terminal 3xFlag tag

Reporter gene

Promoter, SV40 early promoter
splice, T7 RNA polymerase promoter
PolyA rabbit B-globin IVS2
 SV40 poly A site

Comments - sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.4.15

Constructed by Dina Hany

Date constructed 04.2015

PLASMID NAME

Myrg2aKIX

bacterial marker Amp	parent vector pSG5-myrG2A
	bacterial plasmid
eukaryotic replicon SV40 ori	other relevant source constructs CK-Prl.3xFLAG

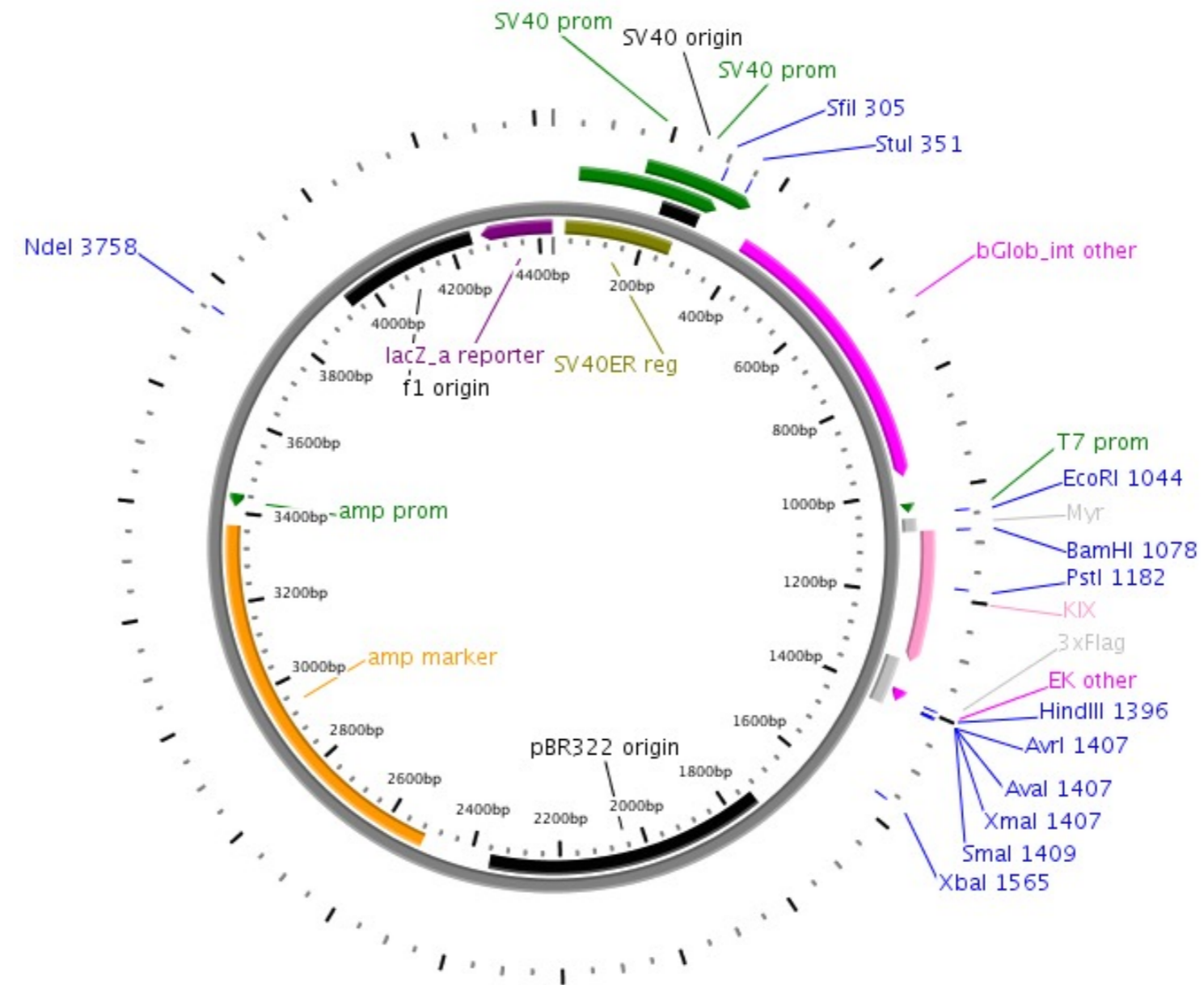
Inserts KIX domain of mouse CBP (AA 586-666) with mutated (G2A) N-terminal myristoylation sequence and C-terminal 3xFlag tag

Reporter gene

Promoter, SV40 early promoter
splice, T7 RNA polymerase promoter
PolyA rabbit B-globin IVS2
SV40 poly A site

Comments - sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 27.5.15

Constructed by Lilia Bernasconi

Date constructed 05.2015

PLASMID NAME

pET/hp23-C35

bacterial marker Amp

parent vector

pET-15b

bacterial plasmid

pBR322

other relevant source constructs

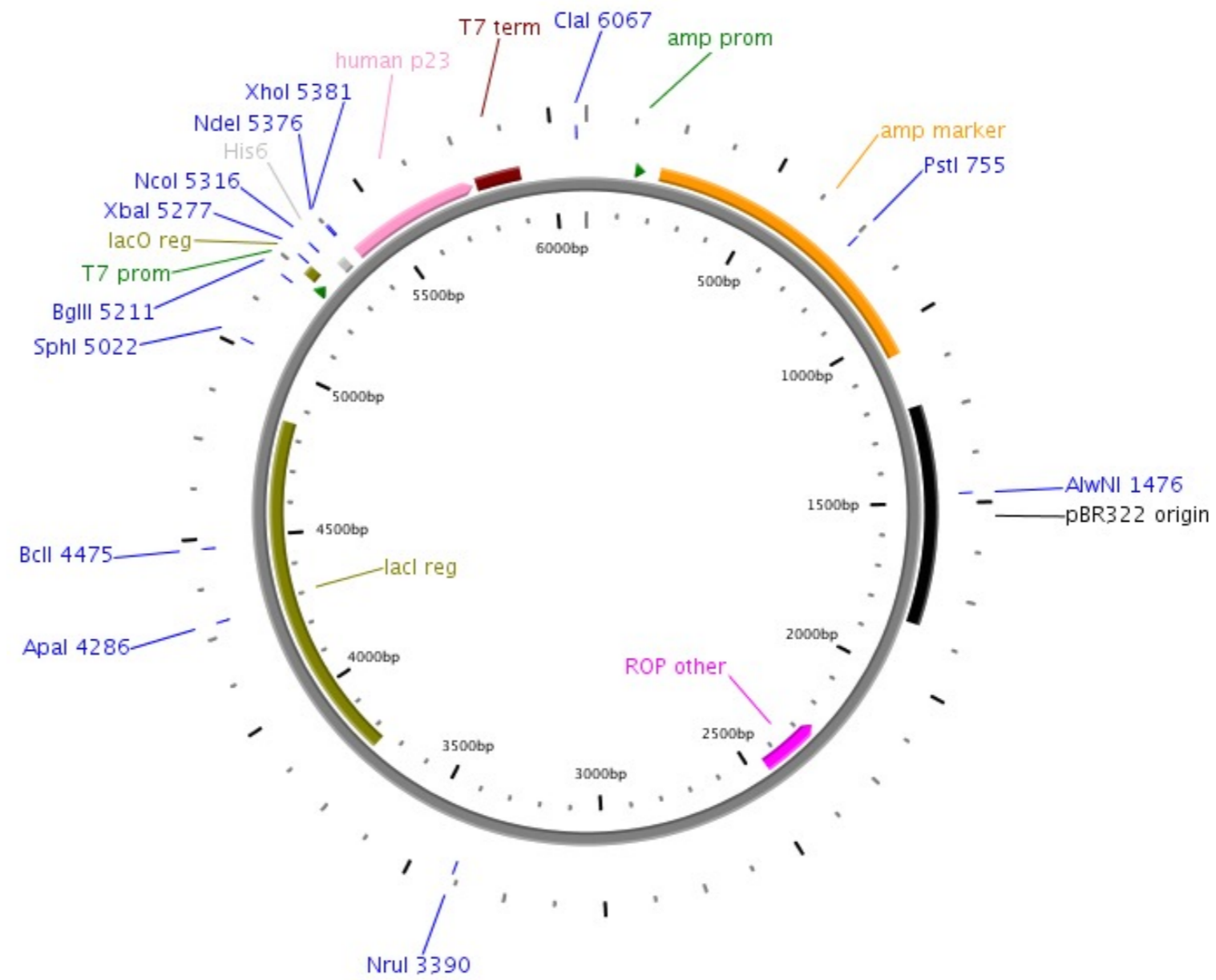
Inserts His-tag, thrombin cut site, human p23 lacking C-terminal 35 amino acids
Plasmid carries lacI gene.

Reporter gene

Promoter, splice, PolyA T7 promoter, lac operator and T7 transcription terminator

Comments - sequence available

Reference



Construct number 2585

Date entered 18.6.15

Constructed by Francesco Di Virgilio lab

Date constructed

PLASMID NAME

pmeLUC

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector pcDNA3

bacterial plasmid pUC

other relevant source constructs

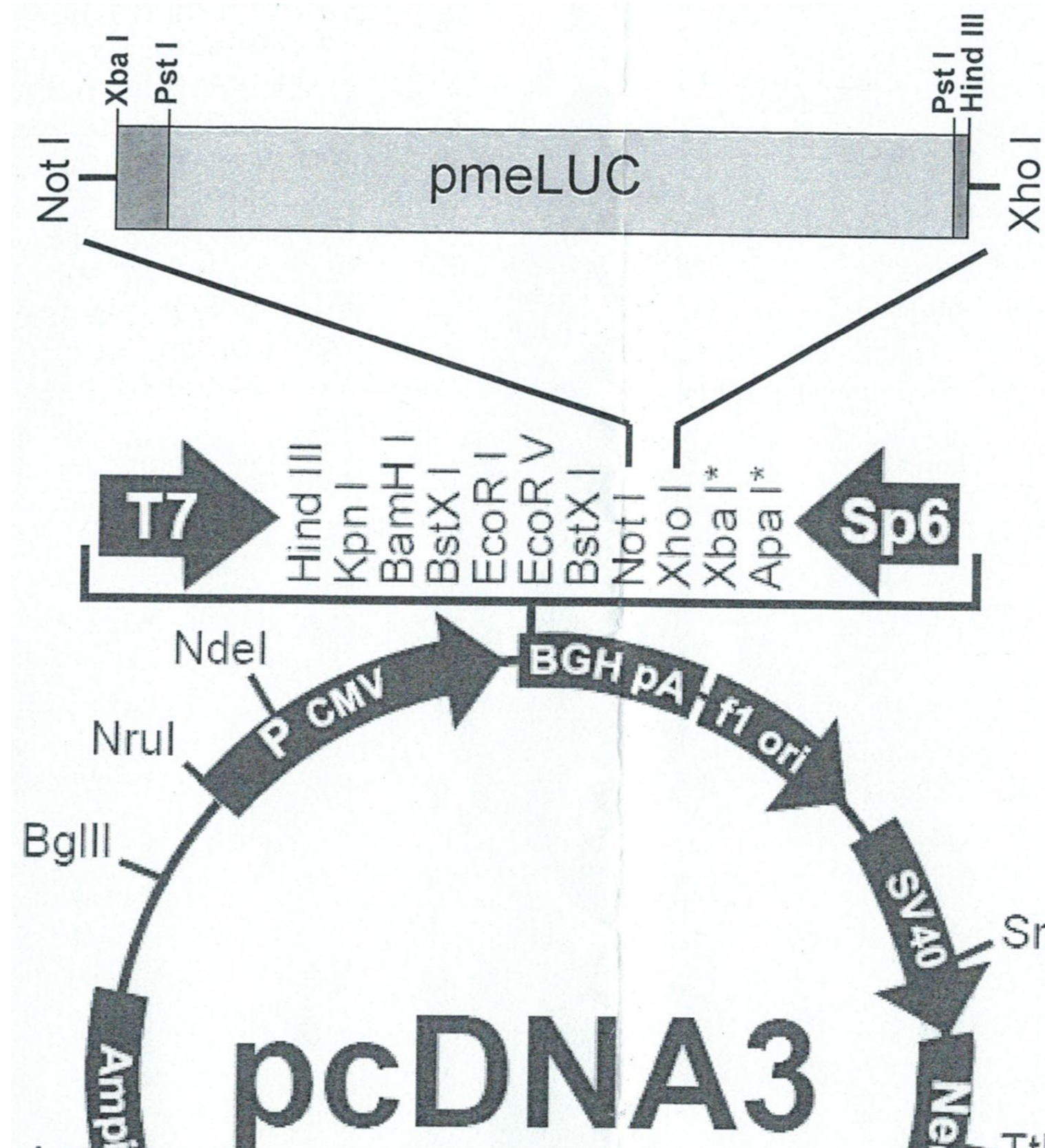
Inserts Plasma membrane luciferase (pmeLUC): signal sequence of human folate receptor (26 AA) fused to myc tag (10 AA) fused to firefly luciferase fused to GPI anchor of folate receptor (28 AA)

Reporter gene luciferase

Promoter, splice, PolyA - CMV promoter, - T7 promoter/priming site, - BGH poly A sequence, - f1 origin, - SV40 early promoter and origin, - SV40 early poly A signal, - pUC origin

Comments - displayed on plasma membrane; used to measure extracellular ATP concentrations, - Luciferase changes: N50D and N119G; lacks C-terminal peroxisome targeting signal SKL

Reference Pellegatti et al. (2005) MBC 16, 3659-3665



Construct number

2586

Date entered

1.7.15

Constructed by

Clontech

Date constructed

PLASMID NAME

pEGFP-N1-ch-TOG

bacterial marker Kan

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

pEGFP-N1

bacterial plasmid

pUC

other relevant source constructs

Inserts human protein ch-TOG fused to a GFP tag

Reporter gene GFP

Promoter, CMV
splice, SV40 poly A
PolyA

Comments

Reference Addgene réf. #29480

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 1.7.15

Constructed by Nicolas Ionescu

Date constructed

PLASMID NAME

pLKO.1_shCkap5.1

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts shRNA sequence targeting a fragment of ckap5 mRNA
5'-GTCCGTGGATGAGTTTAGTTT-3'

Reporter gene

Promoter, U6 promoter to drive RNA pol III transcription of the shRNA sequence.
splice,
PolyA

Comments for more details about this cloning you can visit:

<http://www.addgene.org/tools/protocols/plko/>

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 1.7.15

Constructed by Nicolas Ionescu

Date constructed

PLASMID NAME

pLKO.1_shCkap5.3

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts shRNA sequence targeting a fragment of ckap5 mRNA
5'-GCACAAGTATTTGTACATATT-3'

Reporter gene

Promoter, U6 promoter to drive RNA pol III transcription of the shRNA sequence.
splice,
PolyA

Comments for more details about this cloning you can visit:

<http://www.addgene.org/tools/protocols/plko/>

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 1.7.15

Constructed by Nicolas Ionescu

Date constructed

PLASMID NAME

pLKO.1_shCkap5.4

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts shRNA sequence targeting a fragment of ckap5 mRNA
5'-GCACTCAACACCATTGTAATT-3'

Reporter gene

Promoter, U6 promoter to drive RNA pol III transcription of the shRNA sequence.
splice,
PolyA

Comments for more details about this cloning you can visit:

<http://www.addgene.org/tools/protocols/plko/>

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 1.7.15

Constructed by Nicolas Ionescu

Date constructed

PLASMID NAME

pLKO.1_shMpRip.2

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts shRNA sequence targeting a fragment of MpRip mRNA
5'-CCTGTTAAGTCAAGAATT-3'

Reporter gene

Promoter, U6 promoter to drive RNA pol III transcription of the shRNA sequence.
splice,
PolyA

Comments for more details about this cloning you can visit:

<http://www.addgene.org/tools/protocols/plko/>

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

2591

Date entered

1.7.15

Constructed by

Nicolas Ionescu

Date constructed

PLASMID NAME

pLKO.1_shMpRip.3

bacterial marker

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts

shRNA sequence targeting a fragment of MpRip mRNA

5'-GCTAAGTGGTAACGCTTAATT-3'

Reporter gene

Promoter,
splice,
PolyA

U6 promoter to drive RNA pol III transcription of the shRNA sequence.

Comments

for more details about this cloning you can visit:

<http://www.addgene.org/tools/protocols/plko/>

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

2592

Date entered

1.7.15

Constructed by

Nicolas Ionescu

Date constructed

PLASMID NAME

pLKO.1_shMpRip.4

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts

shRNA sequence targeting a fragment of MpRip mRNA

5'-CTCCGATCTTAACTCTCATTT-3'

Reporter gene

Promoter,
splice,
PolyA U6 promoter to drive RNA pol III transcription of the shRNA sequence.

Comments for more details about this cloning you can visit:

<http://www.addgene.org/tools/protocols/plko/>

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.7.15

Constructed by Marcela Bennesch

Date constructed

PLASMID NAME

pLKO.shESR1 (S1)

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts shRNA against estrogen receptor α inserted in *AgeI* and *EcoRI* sites in the place of the stuffer sequence. The expressed shRNA targets the CDS of the ER α mRNA.

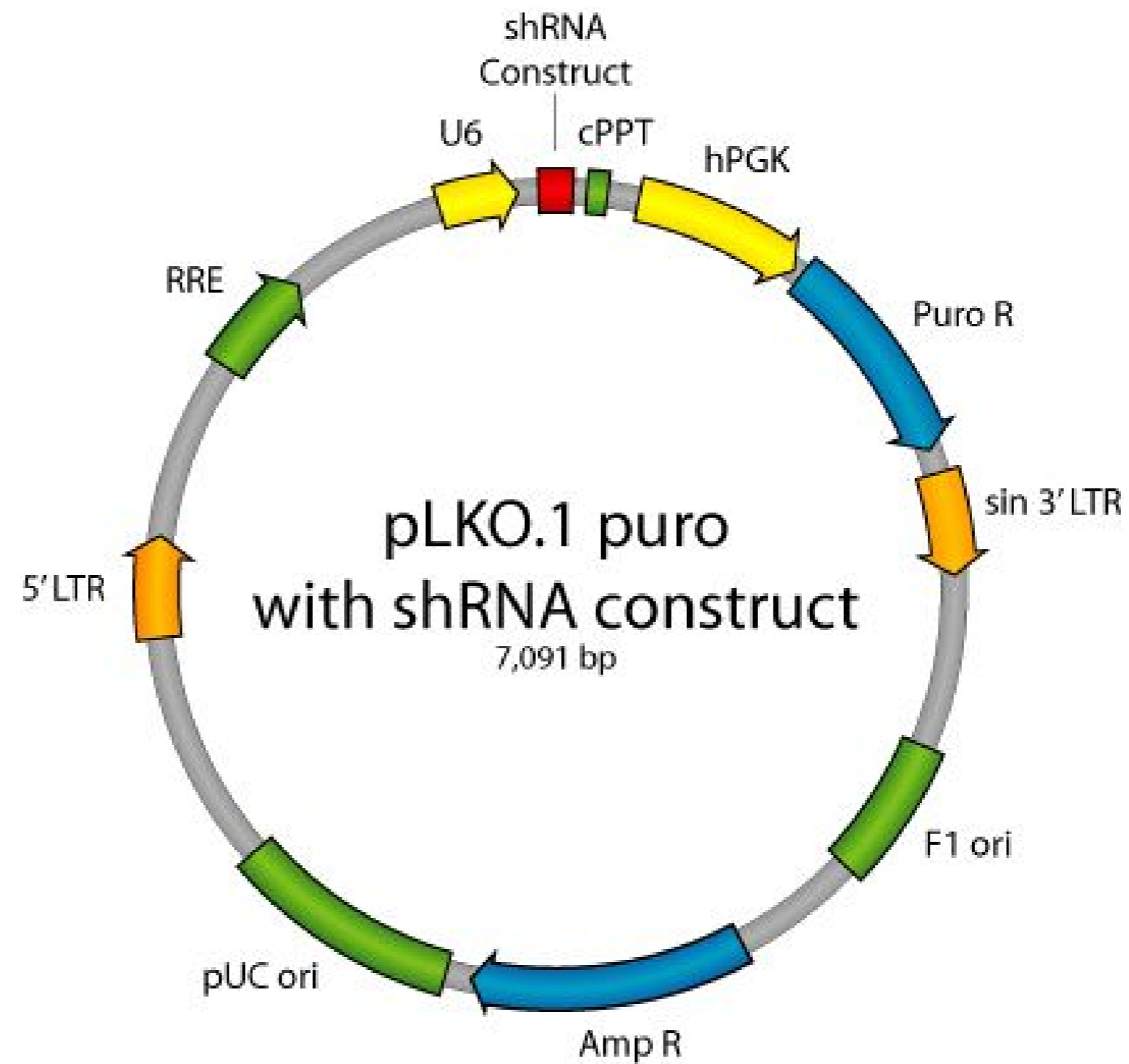
5' CGAGTATGATCCTACCAGA

Reporter gene

Promoter,
splice,
PolyA

Comments For details see reference below.
Blast : OK (no other perfect match)
Good knockdown efficiency.

Reference Oncogene. 2010.29:1451-1462



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.7.15

Constructed by Marcela Bennesch

Date constructed

PLASMID NAME

pLKO.shESR1 (S3)

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts shRNA against estrogen receptor α inserted in *Age*I and *Eco*RI sites in the place of the stuffer sequence. The expressed shRNA targets the 3'UTR of the ER α mRNA.

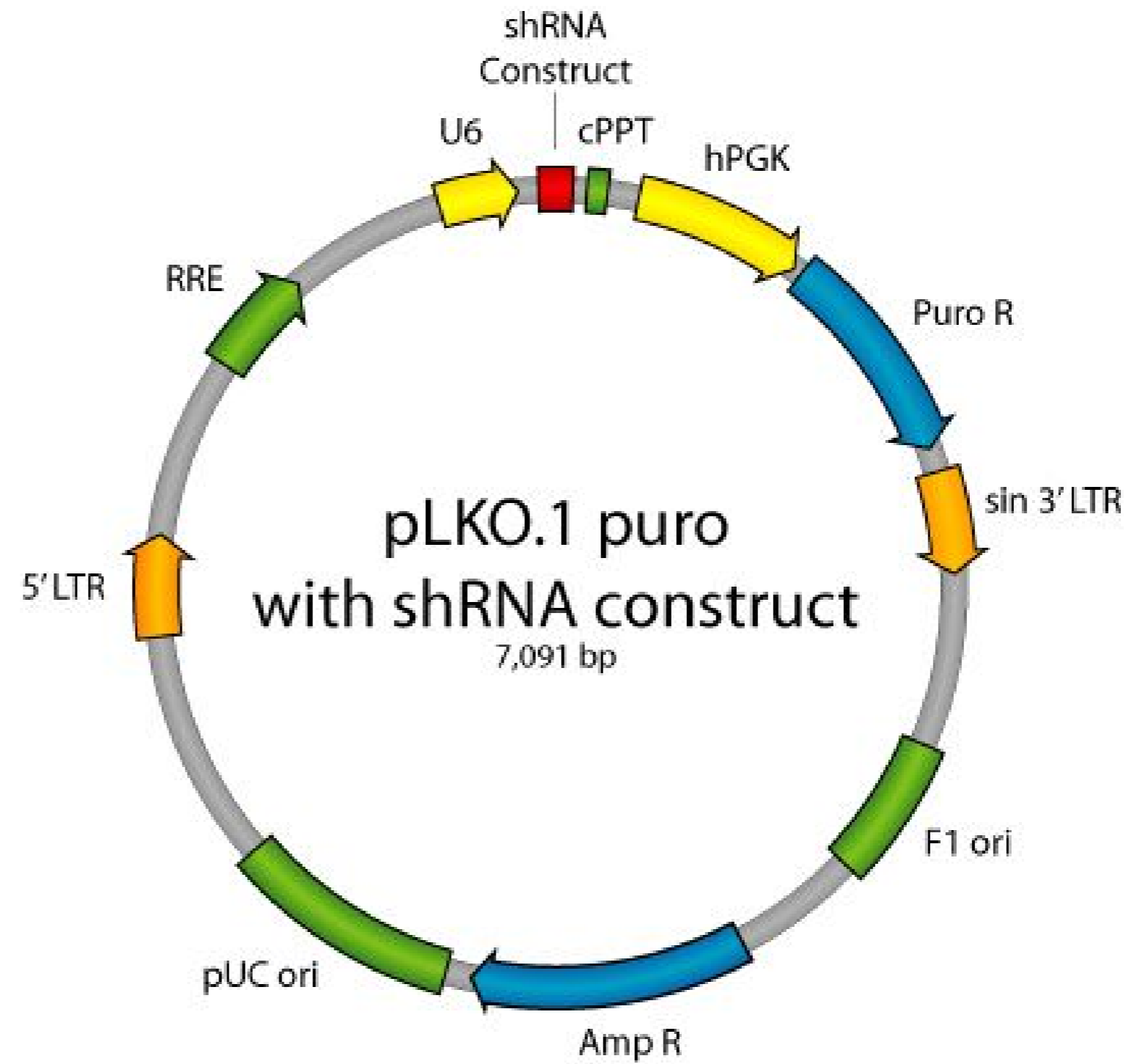
5' GCAGGATTGTTGTGGCTACTA

Reporter gene

Promoter,
splice,
PolyA

Comments Validated sequence from TRCN0000001074
Blast : OK (no other perfect match)
Good knockdown efficiency.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.7.15

Constructed by Marcela Bennesch

Date constructed

PLASMID NAME

pLKO.shHsp90α (S2)

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts shRNA against Hsp90 α inserted in AgeI and EcoRI sites in the place of the stuffer sequence. The expressed shRNA targets the CDS of the Hsp90 α mRNA.
(Target DNA sequence)

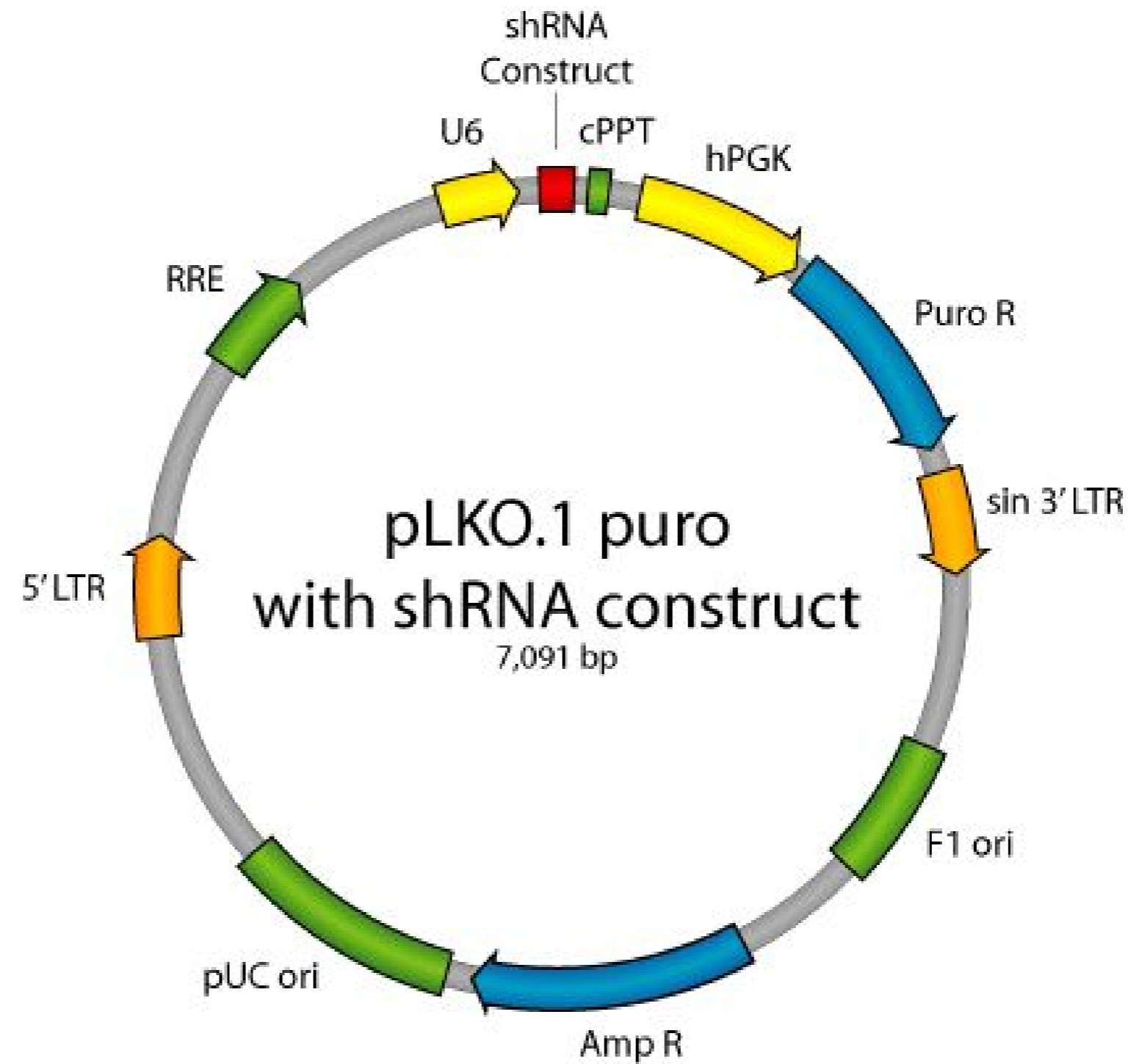
5' TACTTGAGGAACGAAGAATA

Reporter gene

Promoter,
splice,
PolyA

Comments Validated sequence from TRCN0000315009
Blast : OK (no other perfect match)
Good knockdown efficiency.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2596

Date entered

13.7.15

Constructed by

Marcela Bennesch

Date constructed

PLASMID NAME

pLKO.shHsp90α (S3)

bacterial marker

Amp

vertebrate marker

Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

shRNA against Hsp90 α inserted in AgeI and EcoRI sites in the place of the stuffer sequence. The expressed shRNA targets the CDS of the Hsp90 α mRNA.

(Target DNA sequence)

5' GTTATCCTACACCTGAAAGAA

Reporter gene

Promoter,
splice,
PolyA

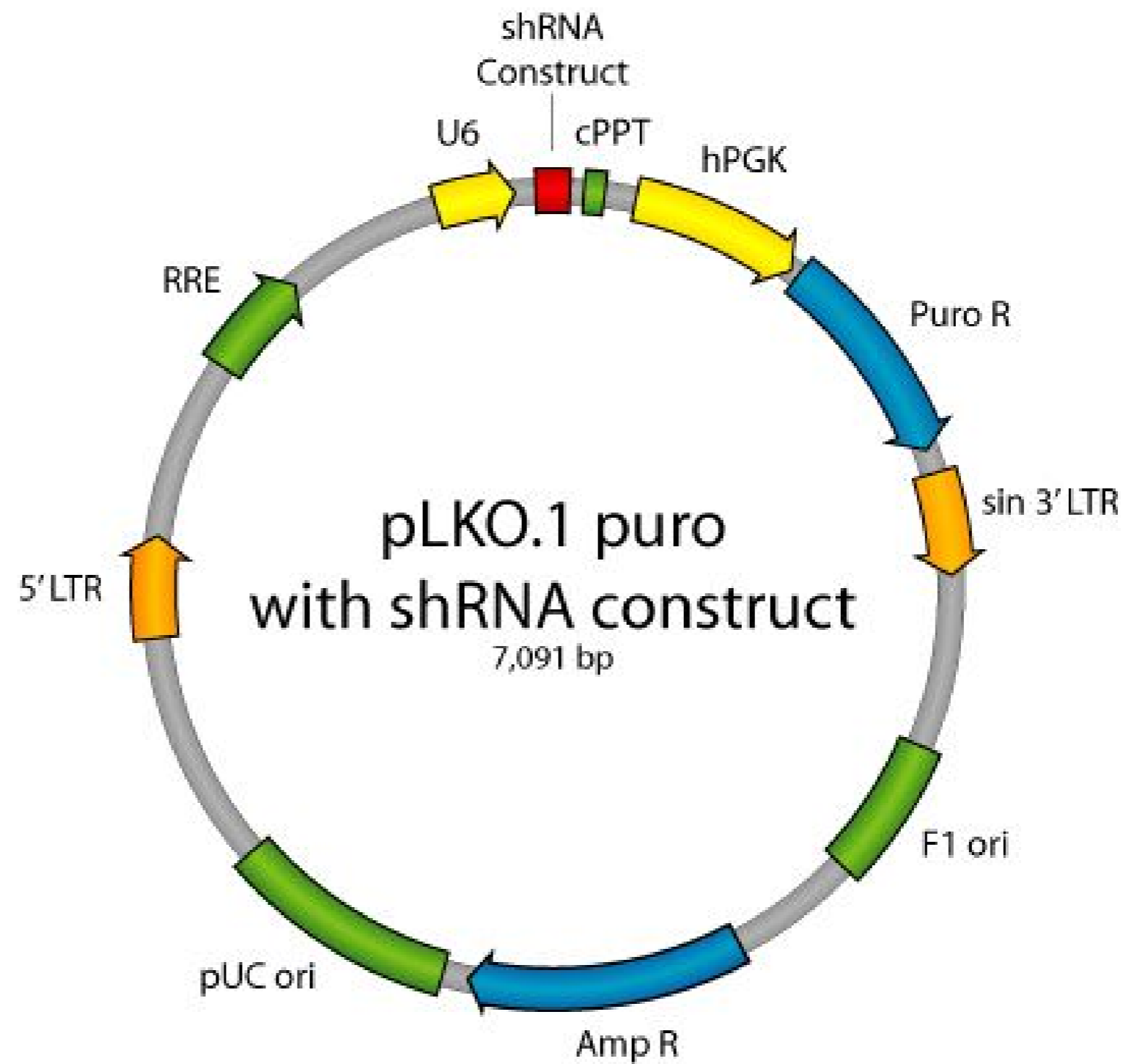
Comments

Validated sequence from TRCN0000314936

Blast : OK (no other perfect match)

Good knockdown efficiency.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.7.15

Constructed by Marcela Bennesch

Date constructed

PLASMID NAME

pLKO.shHsp90 β (S2)

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts shRNA against Hsp90 β inserted in AgeI and EcoRI sites in the place of the stuffer sequence. The expressed shRNA targets the CDS of the Hsp90 β mRNA.

(Target DNA sequence)

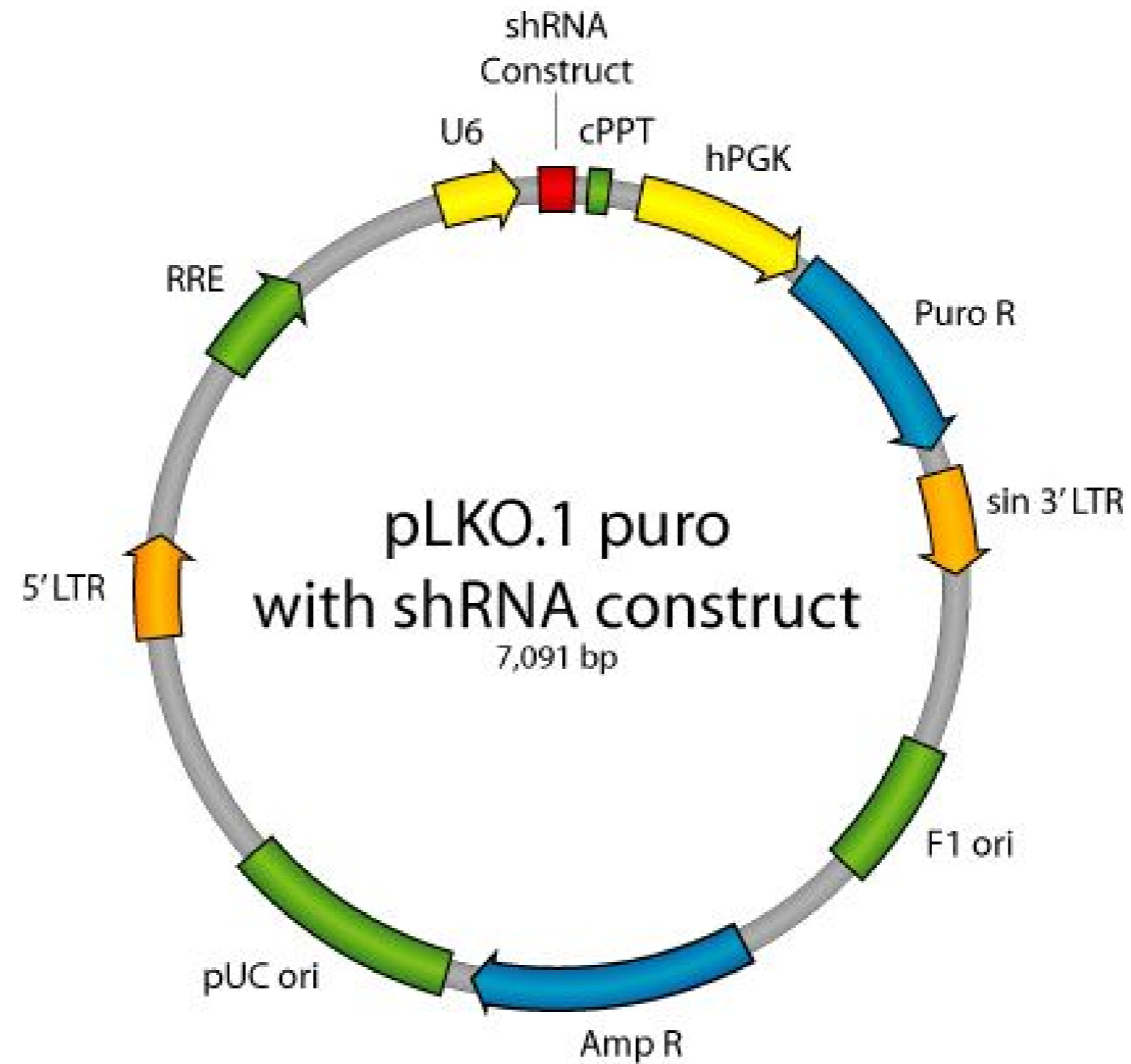
5' CGCATGGAAGAAGTCGATTAG

Reporter gene

Promoter,
splice,
PolyA

Comments Validated sequence from TRCN0000315415
Blast : OK (no other perfect match)
Good knockdown efficiency

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2599

Date entered

13.7.15

Constructed by

Marcela Bennesch

Date constructed

PLASMID NAME

pLKO.shREST(S3)

bacterial marker

Amp

vertebrate marker

Puromycin

parent vector

pLKO.1

bacterial plasmid

PUC

other relevant source constructs

Inserts

shRNA against REST inserted in Agel and EcoRI sites in the place of the stuffer sequence. The expressed shRNA targets the CDS of the REST mRNA. Good knockdown efficiency.

(Target DNA sequence)

5' GTGTAATCTACAGTATCACTT

Reporter gene

Promoter,
splice,
PolyA

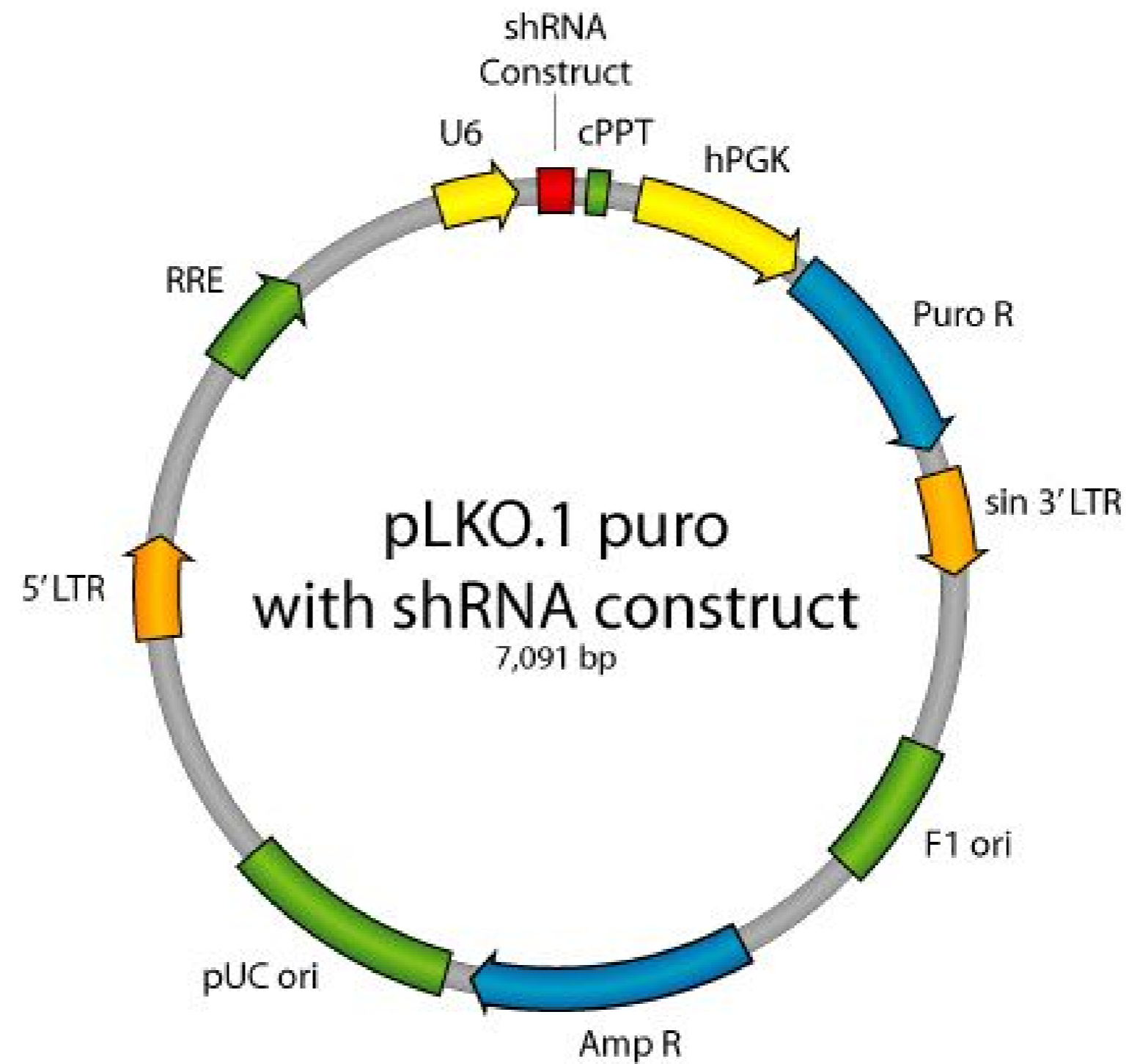
Comments

modified from mouse validated sequence TRCN000032

Blast : OK (no other perfect match)

Good knockdown efficiency.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.7.15

Constructed by Marcela Bennesch

Date constructed

PLASMID NAME

pLKO.shCoREST(S3)

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLOK.1

bacterial plasmid

pUC

other relevant source constructs

Inserts shRNA against CoREST inserted in AgeI and EcoRI sites in the place of the stuffer sequence. The expressed shRNA targets the CDS of the CoREST mRNA.

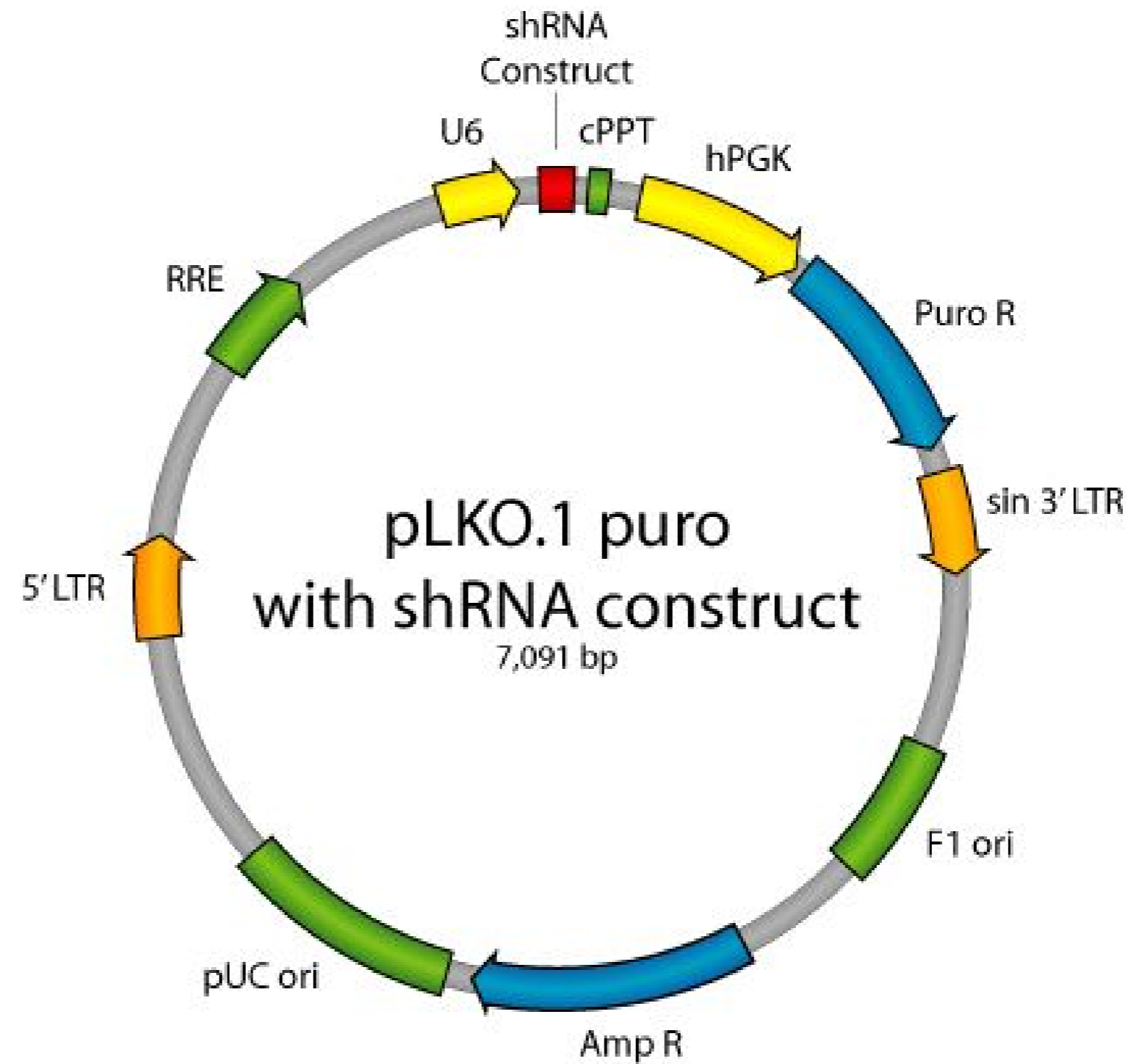
5' GCAAACGACAGATCCAGAATAT

Reporter gene

Promoter,
splice,
PolyA

Comments Validated sequence from TRCN0000129660
Blast : OK (no other perfect match)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.7.15

Constructed by Marcela Bennesch

Date constructed

PLASMID NAME

p3xFLAG-LSD1 (172-852)

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

p3xFLAG-CMV-10

bacterial plasmid

pBR322

other relevant source constructs

p3xFLAG-ratGPR30

Inserts

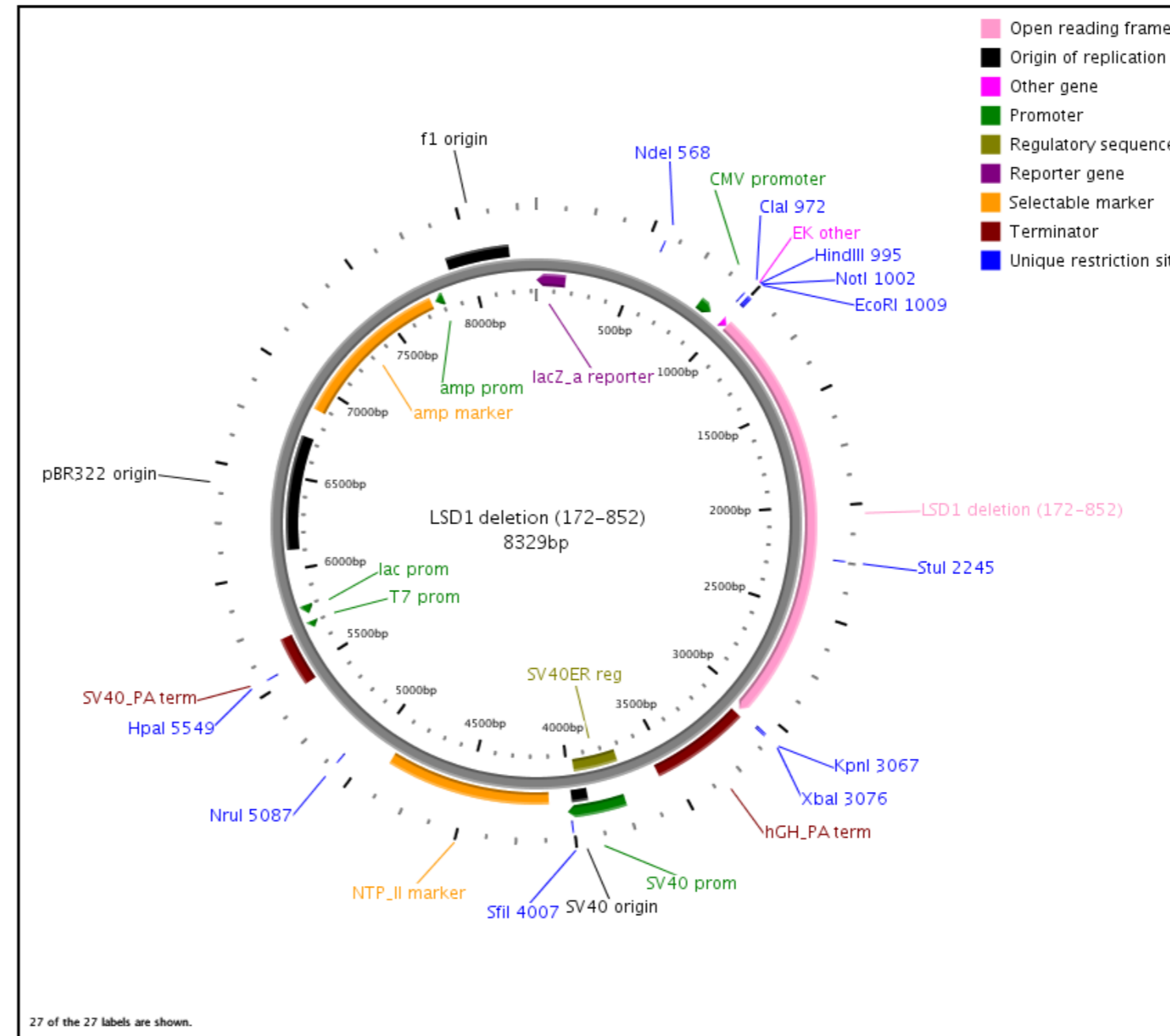
The LSD1 deletion amino acids (172-852) was inserted between restriction sites EcoRI and KpnI in 3xFLAG. Look at the map and the sequence in the folder.

Reporter gene

Promoter, CMV
splice, hGH polyA
PolyA

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.7.15

Constructed by Marcela Bennesch

Date constructed

PLASMID NAME

p3xFLAG-LSD1 (172-270)

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector
p3xFLAG-CMV-10

bacterial plasmid
pBR322

other relevant source constructs
p3xFLAG-ratGPR30

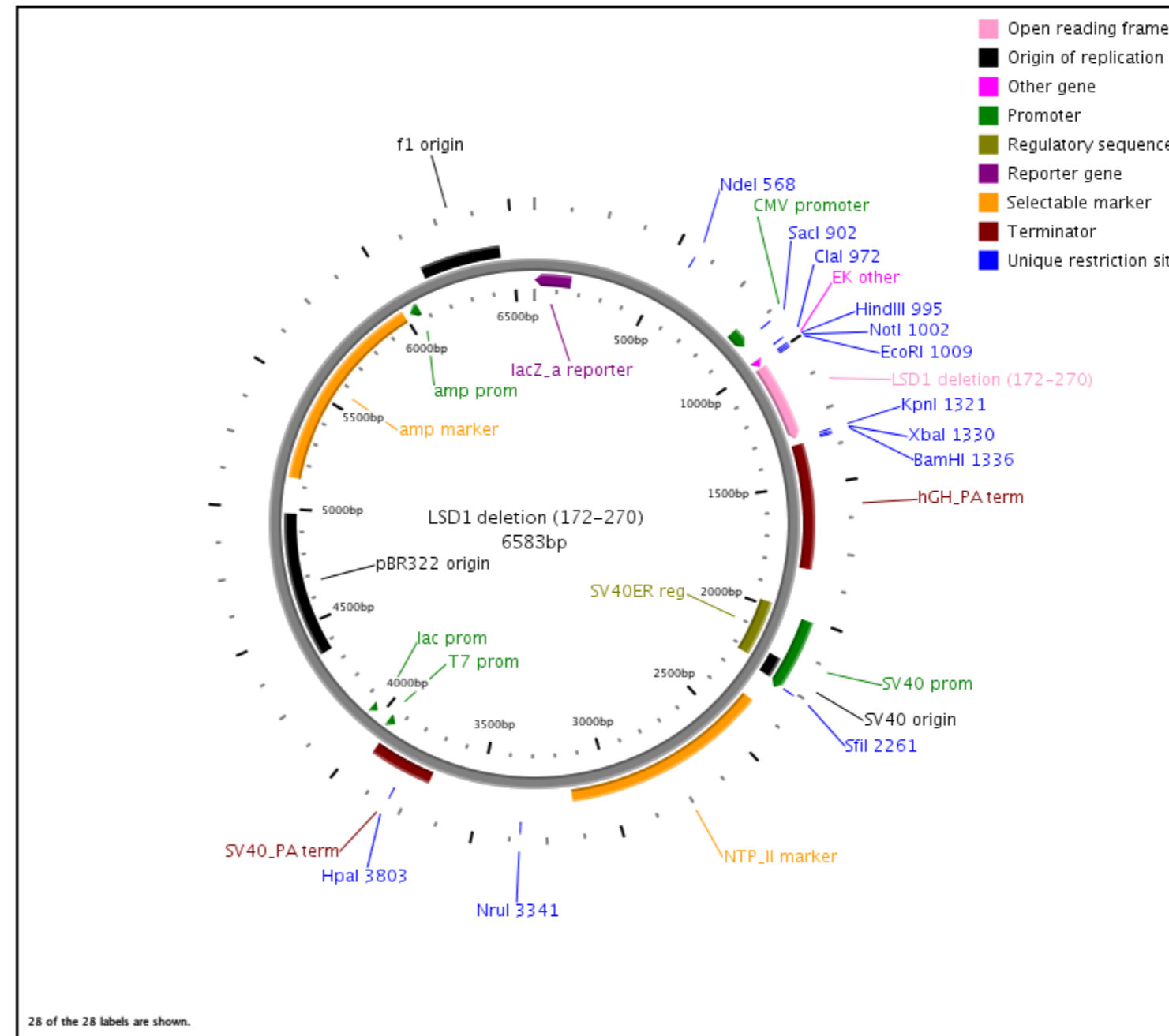
Inserts The LSD1 deletion amino acids (172-270) was inserted between restriction sites EcoRI and KpnI in 3xFLAG. Look at the map and the sequence in the folder.

Reporter gene

Promoter, splice, PolyA CMV
hGH polyA

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 13.7.15

Constructed by Marcela Bennesch

Date constructed

PLASMID NAME

p3xFLAG-LSD1 (271-852)

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

p3xFLAG-CMV-10

bacterial plasmid

pBR322

other relevant source constructs

p3xFLAG-ratGPR30

Inserts

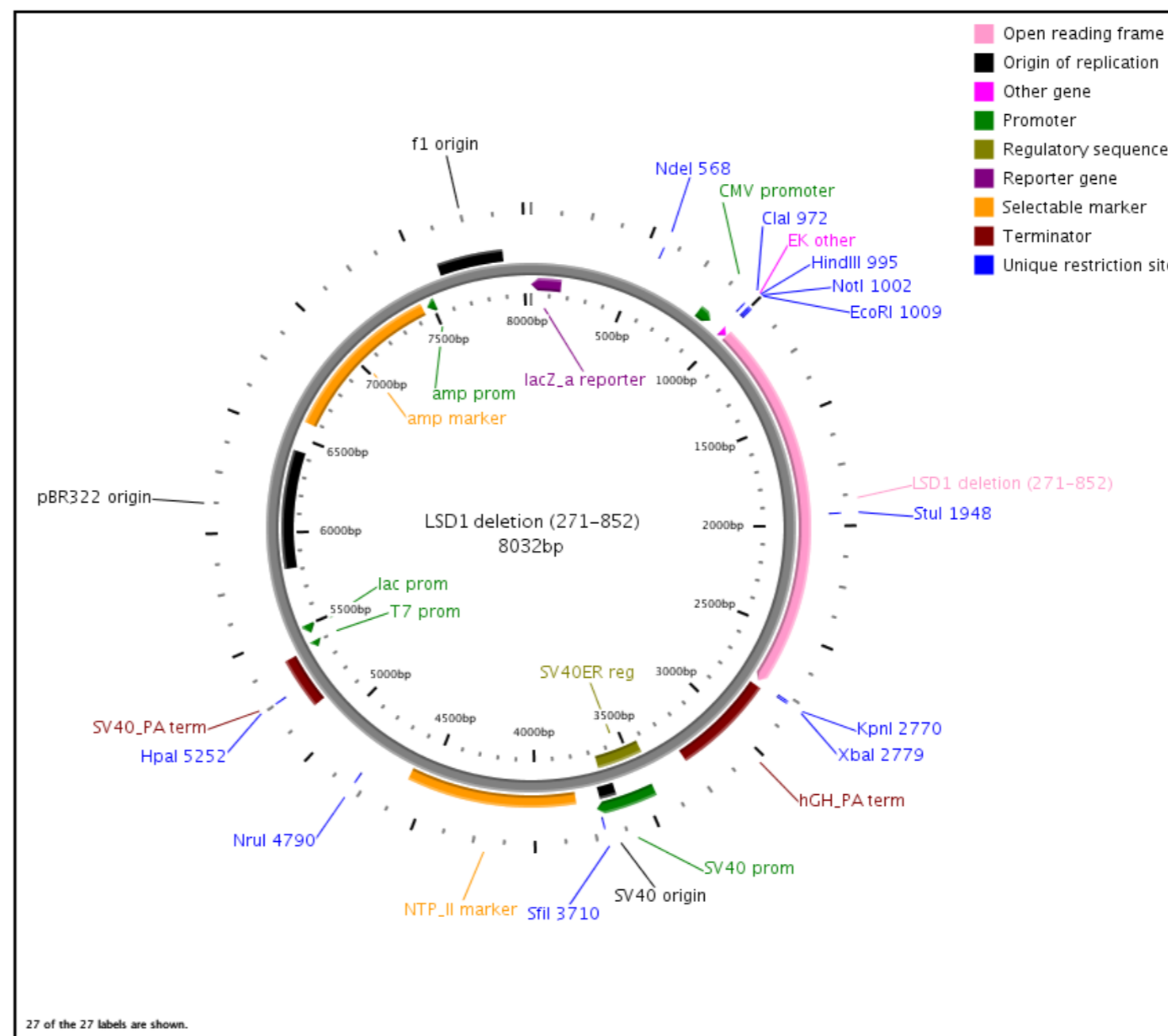
The LSD1 deletion amino acids (271-852) was inserted between restriction sites EcoRI and KpnI in 3xFLAG. Look at the map and the sequence in the folder.

Reporter gene

Promoter, CMV
splice, hGH polyA
PolyA

Comments

Reference



Construct number Date entered 14.7.15
 Constructed by Novagen (commercial) Date constructed

PLASMID NAME

pET-9a

bacterial marker Kan

parent vector

bacterial plasmid

pBR322

other relevant source constructs

Inserts E. coli expression vector. Contains T7 promoter, polylinker, T7 terminator.

Reporter gene

Promoter, splice, PolyA T7 promoter and T7 transcription terminator

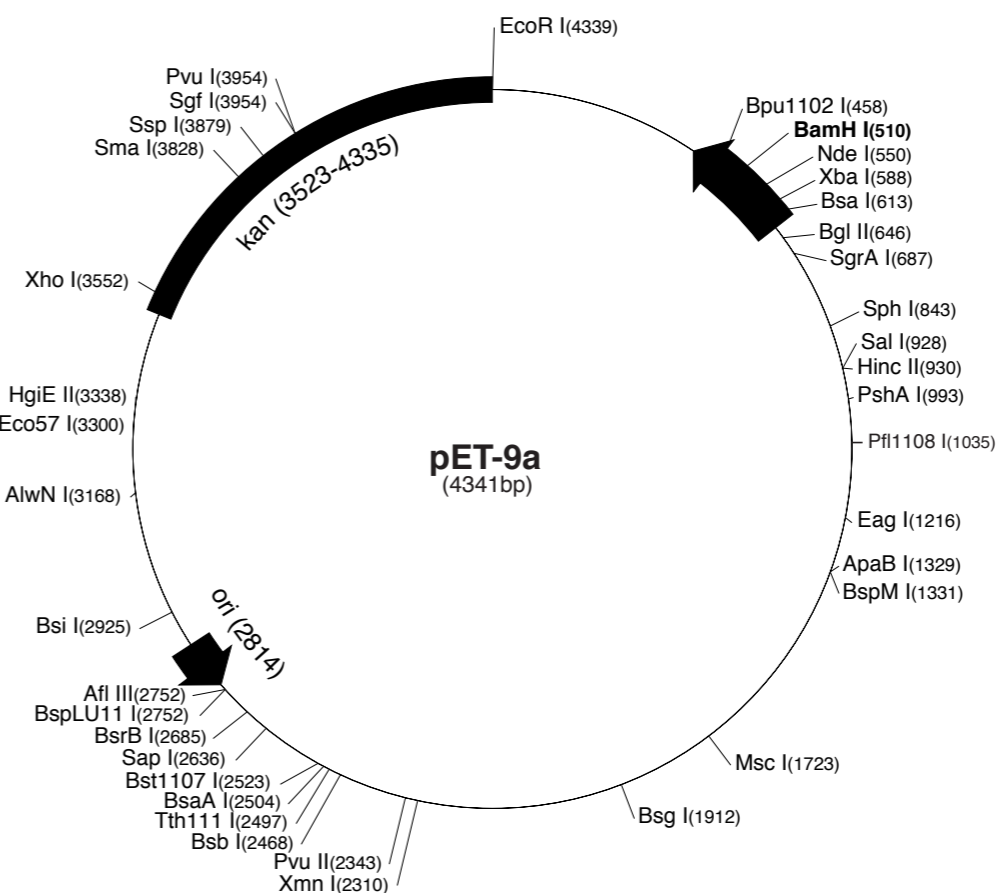
Comments Map and sequence available

Reference

pET-9a sequence landmarks

T7 promoter	615-631
T7 transcription start	614
T7-Tag coding sequence	519-551
T7 terminator	404-450
pBR322 origin	2814
kan coding sequence	3523-4335

The maps for pET-9b, pET-9c and pET-9d are the same as pET-9a (shown) with the following exceptions: pET-9b is a 4340bp plasmid; subtract 1bp from each site beyond *Bam*H I at 510. pET-9c is a 4339bp plasmid; subtract 2bp from each site beyond *Bam*H I at 510. pET-9d is a 4338bp plasmid; the *Bam*H I site is in the same reading frame as in pET-9c. An *Nco* I site is substituted for the *Nde* I site with a net 1bp deletion at position 550 of pET-9c. As a result, *Nco* I cuts pET-9d at 546. For the rest of the sites, subtract 3bp from each site beyond position 551 in pET-9a. *Nde* I does not cut pET-9d.



```

T7 promoter primer #69348-3
      T7 promoter
AGATCTCGATCCCAGCAATTAATACGACTCACTATAGGGAGACCACAACGGTTCCCTCTAGAAATAATTTGTTTAACTTTAAGAAGGAGA
      Bgl II
      Nde I
TATACATATGGCTAGCATGACTGGTGGACAGCAAAATGGTCCGGATCCGGCTGCTAACAAAGCCGAAAGGAAGCTGAGTTGGCTGCTGCCACCGCTGAGCAATAACTAGCATAA
      T7-Tag
      pET-9a
      BamH I
      Bpu1102 I
MetAlaSerMetThrGlyGlyGlnGlnMetGlyArgGlySerGlyCysEnd
      T7 terminator primer #69337-3
      T7 terminator
...GGTCGGGATCCGGCTGCTAACAAAGCCGAAAGGAAGCTGAGTTGGCTGCTGCCACCGCTGAGCAATAACTAGCATAA
      pET-9b
...GlyArgAspProAlaAlaAsnLysAlaArgLysGluAlaGluLeuAlaAlaIleThrAlaGluGlnEnd
      pET-9c,d
...GGTCGGATCCGGCTGCTAACAAAGCCGAAAGGAAGCTGAGTTGGCTGCTGCCACCGCTGAGCAATAACTAGCATAA
      pET-9d
...TACCATGGCTAGC...
      Nco I
...GlyArgIleArgLeuLeuThrLysProGluArgLysLeuSerTrpLeuLeuProProLeuSerAsnAsnEnd
      T7 terminator
CCCCTTGGGCCTCTAAAGGGTCTTGAGGGGTTTTTGG
  
```

pET-9a-d cloning/expression region

Construct number 2606

Date entered 14.7.15

Constructed by Stratagene/NEB (commercial)

Date constructed

PLASMID NAME

pET-3c

bacterial marker Amp

parent vector

bacterial plasmid
pBR322

other relevant source constructs

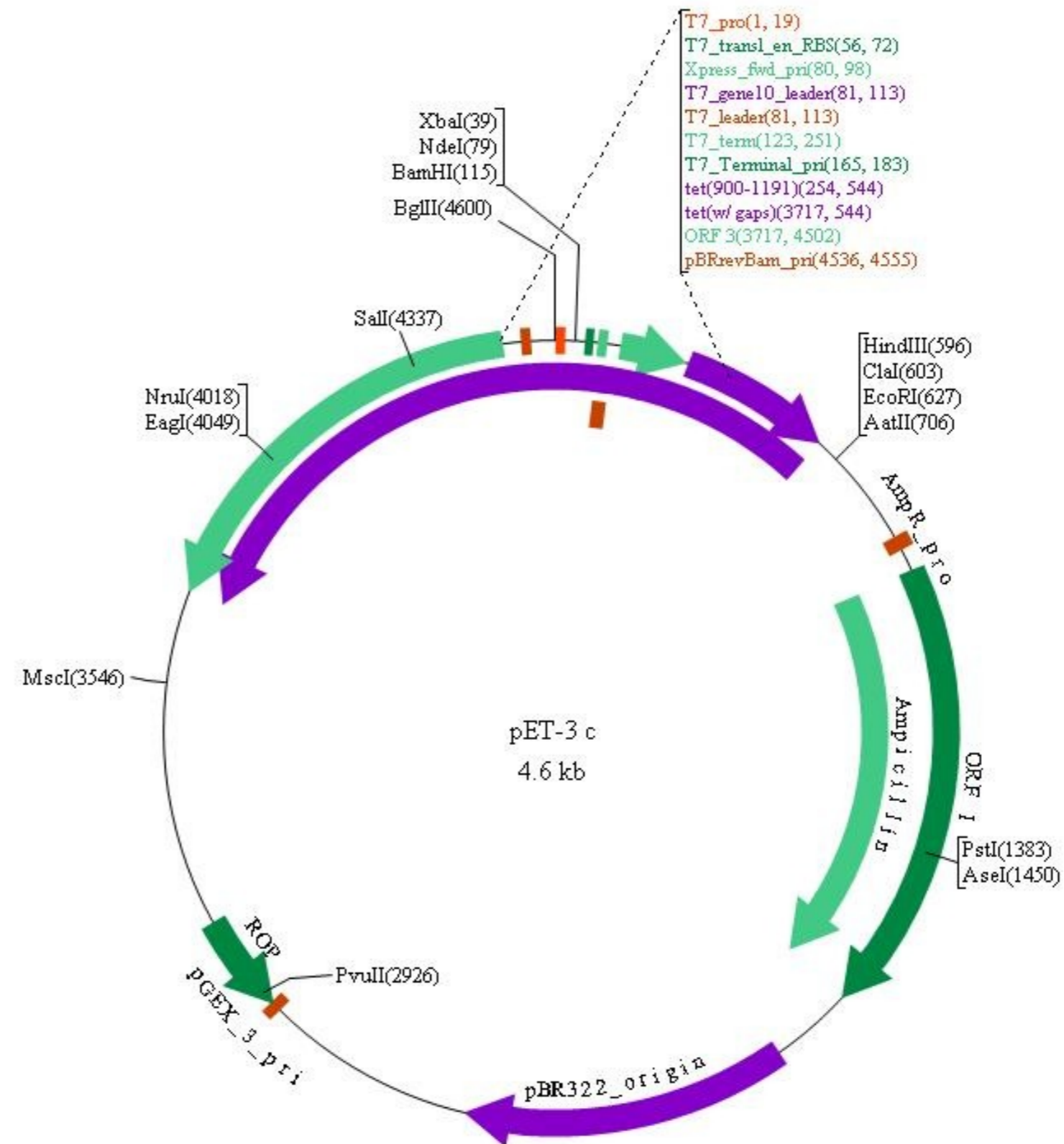
Inserts E. coli expression vector. Contains T7 promoter, polylinker, T7 terminator.

Reporter gene

Promoter, splice, PolyA T7 promoter and T7 transcription terminator

Comments Map and sequence available

Reference



Construct number

2607

Date entered

14.7.15

Constructed by

Novagen(commercial)

Date constructed

PLASMID NAME

pET-42a(+)

bacterial marker Kan

parent vector

bacterial plasmid
pBR322

other relevant source constructs

Inserts

E. coli expression vector. Contains T7 promoter, AUG, His-tag, thrombin cut site, polylinker, T7 terminator.

Plasmid carries lacI gene.

Reporter gene

GST (Nterm), His (Nterm and Cterm)
splice,
PolyA

Comments

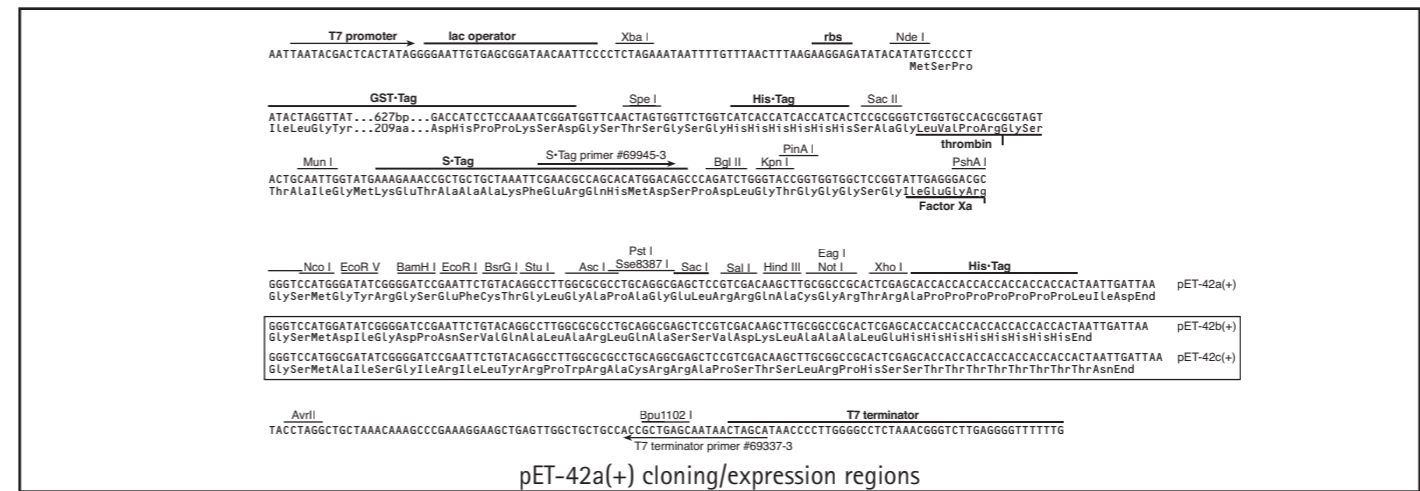
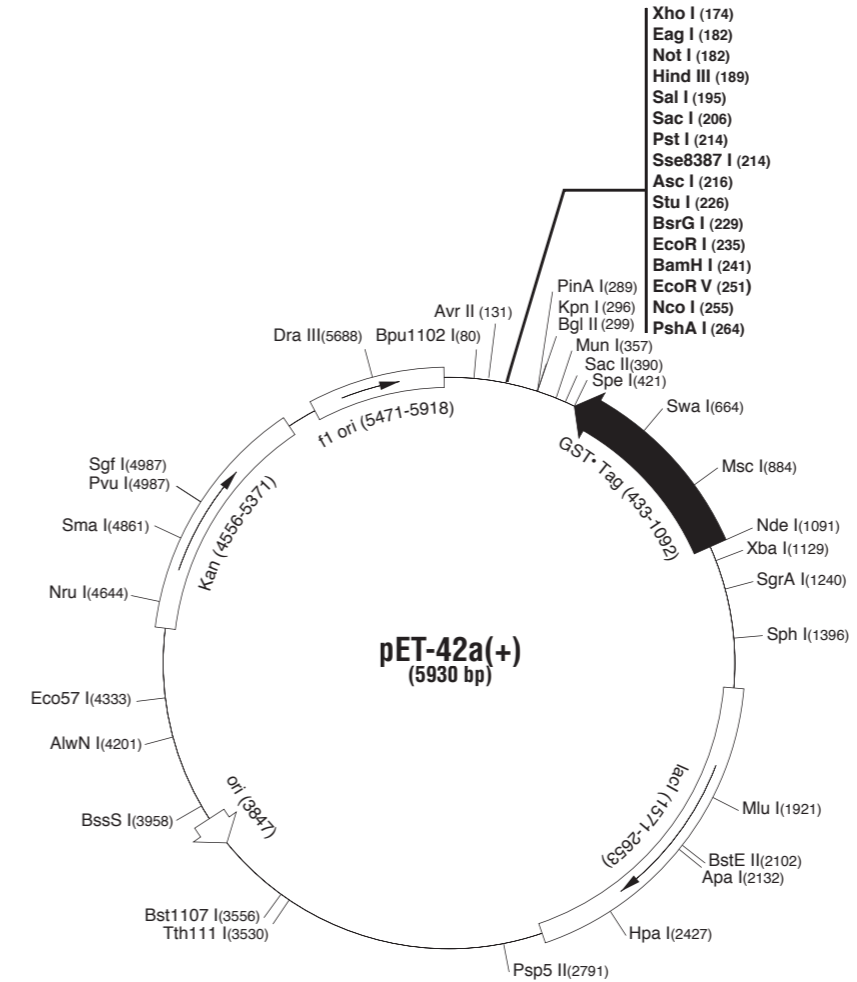
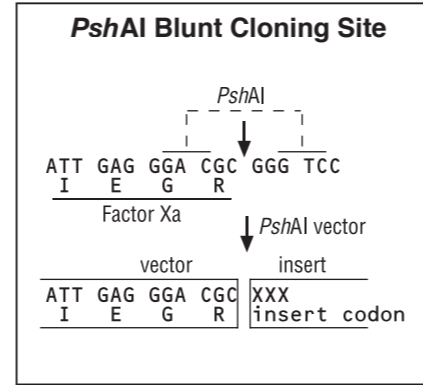
Encodes GST fusion tag; Nterm thrombin cleavage site; Nterm Factor Xa cleavage site; a,b,c vary by MCS

Reference

pET-42a(+) sequence landmarks

T7 promoter	1164-1180
T7 transcription start	1163
GST•Tag coding sequence	433-1092
His•Tag coding sequence	394-411
S•Tag coding sequence	307-351
Multiple cloning sites (<i>PshAI</i> - <i>XhoI</i>)	174-264
His•Tag coding sequence	150-173
T7 terminator	26-72
<i>lacI</i> coding sequence	1571-2653
pBR322 origin	3847
Kan coding sequence	4556-5371
F1 origin	5471-5918

should be performed using the T7 terminator primer (cat. no. 69337-3). Vector encoded sequence can be completely removed when cloning into the *PshAI* site (as shown below) and then cleaving the GST fusion protein with Factor Xa.



pET-42a(+) cloning/expression regions

Construct number 2608

Date entered 15.7.15

Constructed by Novagen (commercial)

Date constructed

PLASMID NAME

pETBlue-2

bacterial marker Amp

parent vector

bacterial plasmid

pBR322

other relevant source constructs

Inserts E. coli expression vector. Contains T7 promoter, His-tag, HSV tag, polylinker, T7 terminator. Plasmid carries lacI gene.

Reporter gene

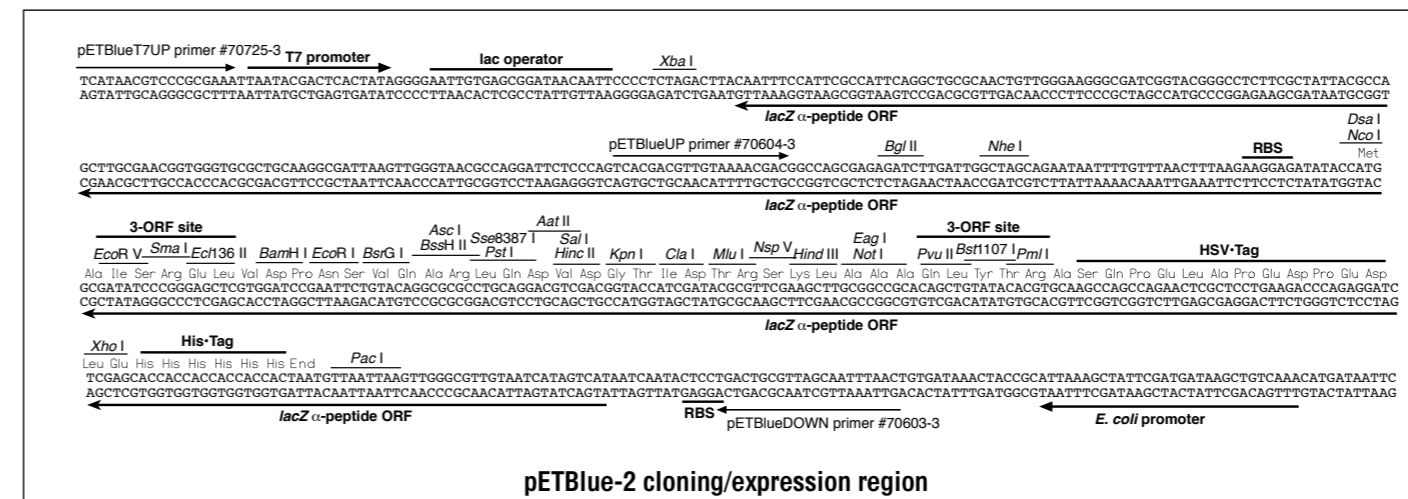
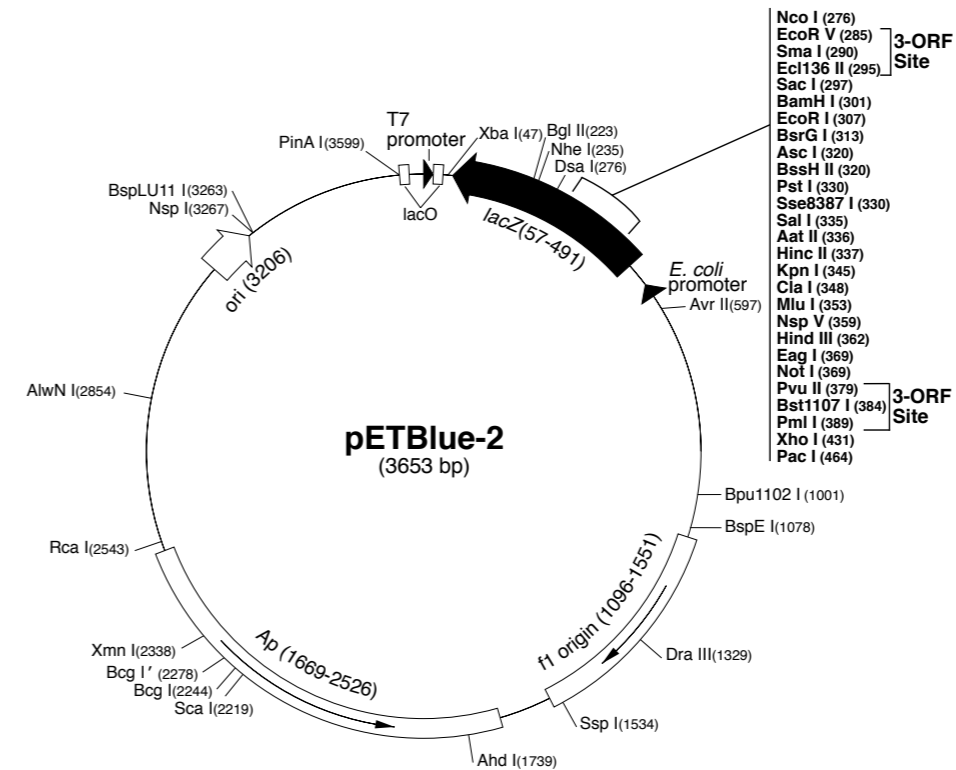
Promoter, splice, PolyA His (Cterm), HSV (Cterm)

Comments Blue/white identification; unique MCS; His and HSV tagged

Reference

pETBlue-2 sequence landmarks

Table listing sequence landmarks for pETBlue-2, including lac operator, T7 promoter, lac operator, T7 transcription start, multiple cloning region, His-Tag coding sequence, HSV-Tag coding sequence, lacZ start codon, lacZ alpha-peptide ORF, E. coli promoter, f1 origin, bla coding sequence, and pUC origin.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.7.15

Constructed by Shüele Lab

Date constructed

PLASMID NAME

pCMX-Flag-LSD1(1-174)

bacterial marker Amp

parent vector

pCMX-Flag-LSD1(DP 2410)

bacterial plasmid

other relevant source constructs

eukaryotic replicon SV40 ori

Inserts Flag epitope fused to LSD1 deletion amino acids 1-174.

Reporter gene

Promoter,
splice,
PolyA CMV enhancer/promoter

Comments

Reference Metzger, E., Wissmann, M., Yin, N., Muller, J. M., Schneider, R., Peters, A. H., Gunther, T., Buettner, R., and Schule, R. (2005). Nature 437, 436-439.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.7.15

Constructed by Shüele Lab

Date constructed

PLASMID NAME

pCMX-Flag-LSD1(1-246)

bacterial marker Amp

parent vector

pCMX-Flag-LSD1 (DP 2410)

bacterial plasmid

other relevant source constructs

eukaryotic replicon SV40 ori

Inserts Flag epitope fused to LSD1 deletion amino acids 1-246.

Reporter gene

Promoter, CMV enhancer/promoter
splice,
PolyA

Comments

Reference Metzger, E., Wissmann, M., Yin, N., Muller, J. M., Schneider, R., Peters, A. H., Gunther, T., Buettner, R., and Schule, R. (2005). Nature 437, 436-439.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.7.15

Constructed by Shüele Lab

Date constructed

PLASMID NAME

pCMX-Flag-LSD1(175-246)

bacterial marker Amp

parent vector

pCMX-Flag-LSD1 (DP 2410)

bacterial plasmid

eukaryotic replicon SV40 ori

other relevant source constructs

Inserts Flag epitope fused to LSD1 deletion amino acids 175-246.

Reporter gene

Promoter, CMV enhancer/promoter
splice,
PolyA

Comments

Reference Metzger, E., Wissmann, M., Yin, N., Muller, J. M., Schneider, R., Peters, A. H., Gunther, T., Buettner, R., and Schule, R. (2005). Nature 437, 436-439.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.7.15

Constructed by Shüele Lab

Date constructed

PLASMID NAME

pCMX-Flag-LSD1(247-852)

bacterial marker Amp

eukaryotic replicon SV40 ori

parent vector

pCMX-Flag-LSD1 (DP 2410)

bacterial plasmid

other relevant source constructs

Inserts Flag epitope fused to LSD1 deletion amino acids 247-852.

Reporter gene

Promoter,
splice,
PolyA CMV enhancer/promoter

Comments

Reference Metzger, E., Wissmann, M., Yin, N., Muller, J. M., Schneider, R., Peters, A. H., Gunther, T., Buettner, R., and Schule, R. (2005). Nature 437, 436-439.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.7.15

Constructed by Shüele Lab

Date constructed

PLASMID NAME

pCMX-Flag-LSD1 Δ 281-360

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts Flag epitope fused to LSD1 sequence with an internal deletion of amino acids 281-360

Reporter gene

Promoter,
splice,
PolyA CMV enhancer/promoter

Comments

Reference Metzger, E., Wissmann, M., Yin, N., Muller, J. M., Schneider, R., Peters, A. H., Gunther, T., Buettner, R., and Schule, R. (2005). Nature 437, 436-439.

Construct number

2614

Date entered

16.7.15

Constructed by

Clontech (commercial)

Date constructed

PLASMID NAME

pSEAP2

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

For mammalian expression. Improved Kozak consensus translation initiation site. SV40 polyadenylation signal. Multiple cloning site (MCS)

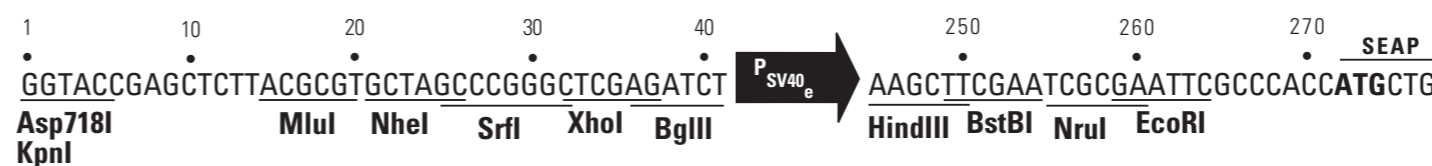
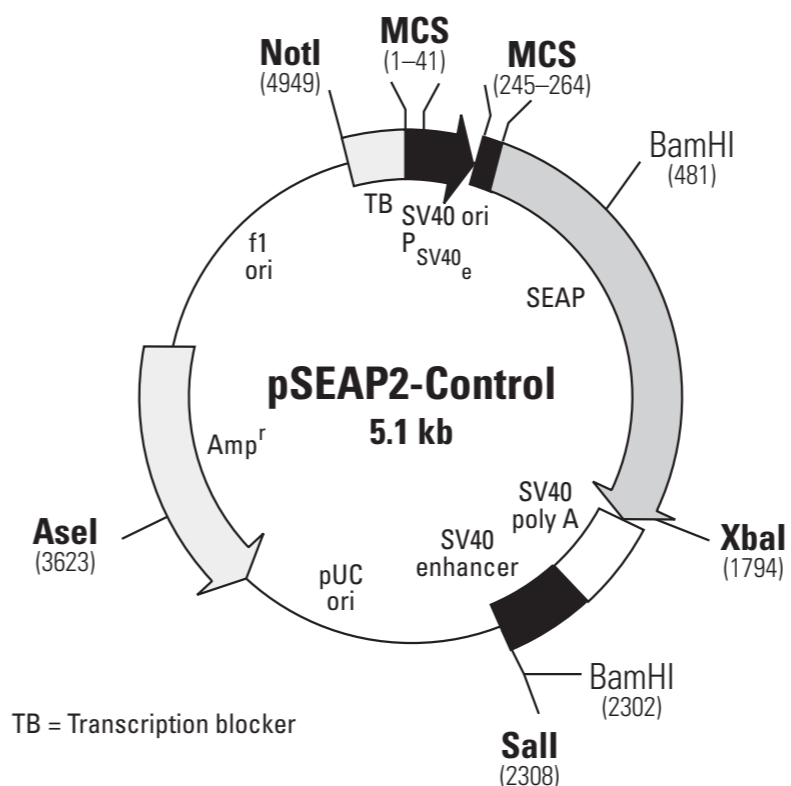
Reporter gene

Promoter, splice, PolyA

Comments

Secreted Alkaline Phosphatase reporter. Use to test cis-regulatory elements. pSEAP2-Control is designed to provide a reference for comparing the activities of promoters and enhancers using the secreted form of human alkaline phosphatase (SEAP) as a reporter gene. This vector can also be used to monitor transfection efficiencies.

Reference



Restriction Map and Multiple Cloning Site (MCS) of pSEAP2-Control. Unique restriction sites are in bold.

Description

pSEAP2-Control is a positive control vector expressing secreted alkaline phosphatase (SEAP) under the control of the SV40 early promoter and the SV40 enhancer. The SEAP coding sequence is followed by the SV40 late polyadenylation signal to ensure proper, efficient processing of the SEAP transcript in eukaryotic cells. A synthetic transcription blocker (TB), composed of adjacent polyadenylation and transcription pause sites, located upstream of the MCS reduces background transcription (1). The vector backbone also contains an f1 origin for single-stranded DNA production, a pUC origin of replication, and an ampicillin resistance gene for propagation and selection in E. coli. The SEAP2 Vectors incorporate a number of features that improve the sensitivity of SEAP by increasing the efficiency of SEAP expression or that enhance the utility of the vectors. These include: an improved Kozak consensus translation initiation site (2); the removal of the SV40 small-t intron, which can cause cryptic splicing and reduced expression in some genes and/or cell types (3, 4); switching from the early to late polyadenylation signal of SV40, which typically causes a five-fold increase in mRNA levels (5); an expanded multiple

Construct number 2615

Date entered 13.8.15

Constructed by MRC-PPU reagent, Dundee

Date constructed

PLASMID NAME

pCMV5-HA CREB1

bacterial marker Amp

parent vector pCMV5

bacterial plasmid

other relevant source constructs

eukaryotic replicon SV40 ori

Inserts Human CREB1 with N-terminal HA tag

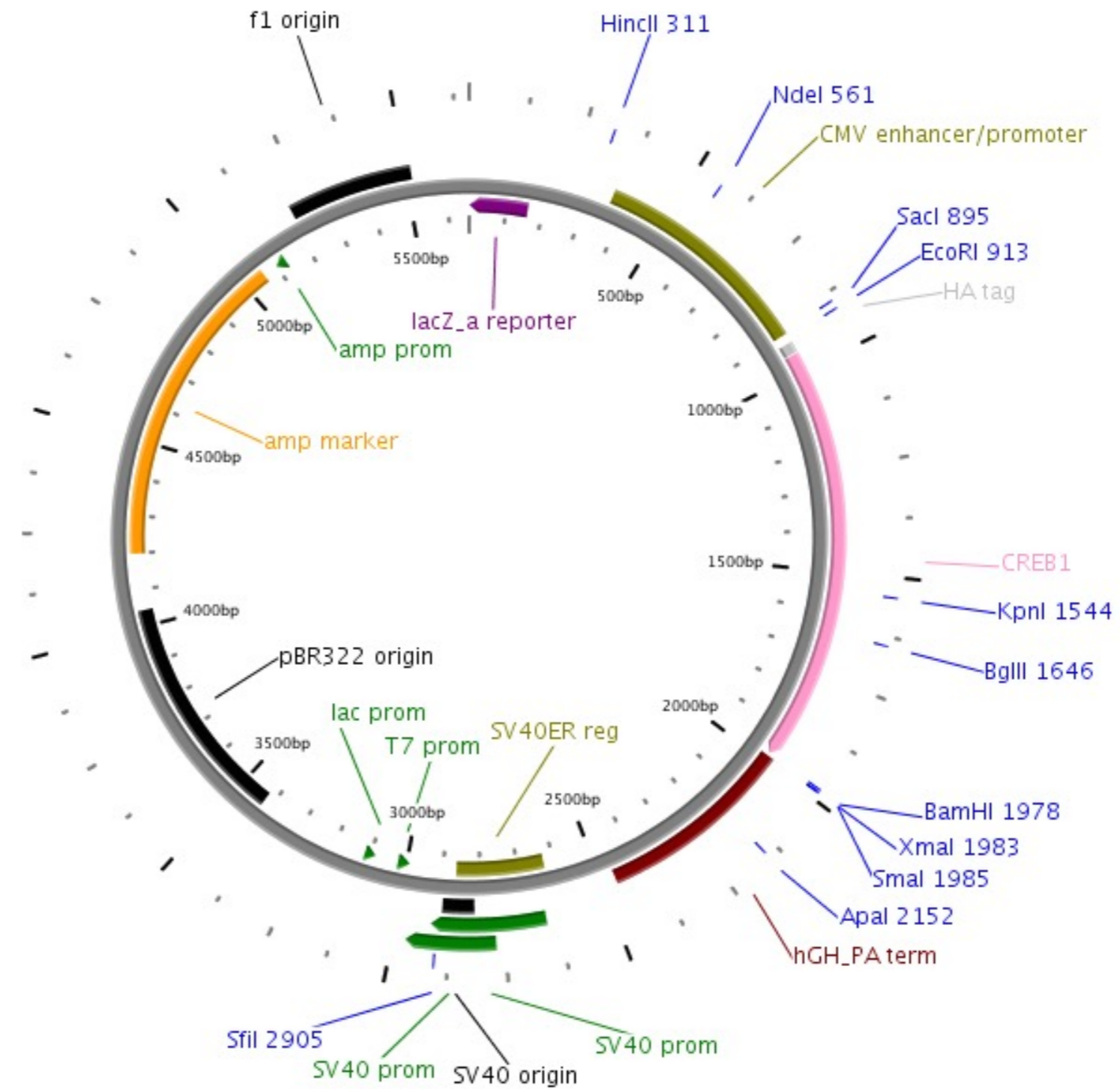
Reporter gene

Promoter, splice, PolyA - CMV enhancer/promoter
- hGH polyA site

Comments - sequence available, double checked by sequencing. Sequence OK!

- Dundee University reference DU4071; DO NOT DISTRIBUTE CLONE

Reference



Construct number 2616

Date entered 13.8.15

Constructed by MRC-PPU reagent, Dundee

Date constructed

PLASMID NAME

pCMV5-HA CREB1 S133A

bacterial marker Amp	parent vector pCMV5
	bacterial plasmid
eukaryotic replicon SV40 ori	other relevant source constructs

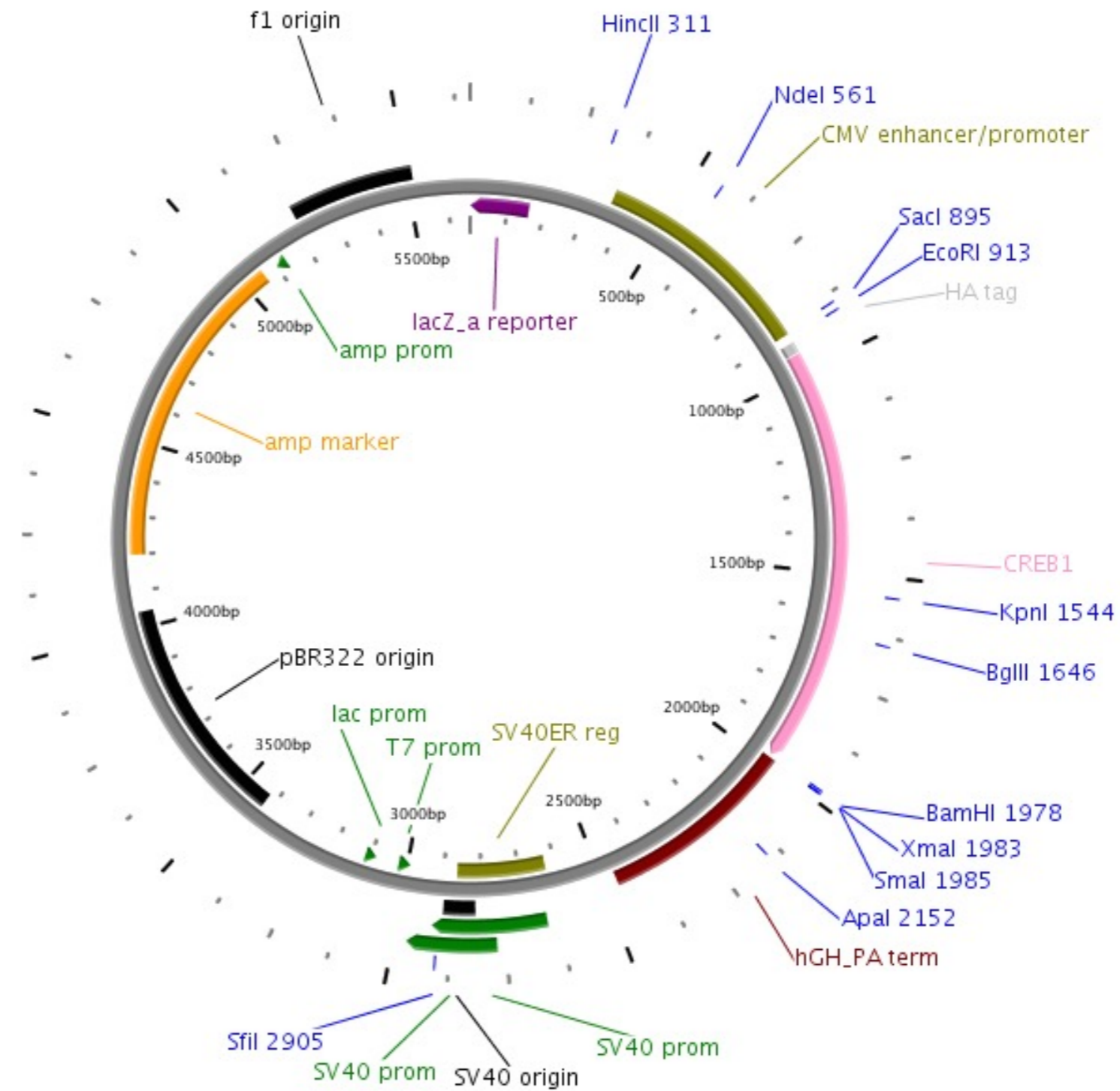
Inserts Human CREB1 S133A point mutant with N-terminal HA tag

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - hGH polyA site
PolyA

Comments - sequence available, double checked by sequencing. **Sequence OK!**
- Dundee University reference DU4073; DO NOT DISTRIBUTE CLONE

Reference



Construct number 2617

Date entered 13.8.15

Constructed by MRC-PPU reagent, Dundee

Date constructed

PLASMID NAME

pCMV5-HA CREB1 S133D

bacterial marker Amp	parent vector pCMV5
	bacterial plasmid
eukaryotic replicon SV40 ori	other relevant source constructs

Inserts Human CREB1 S133D point mutant with N-terminal HA tag

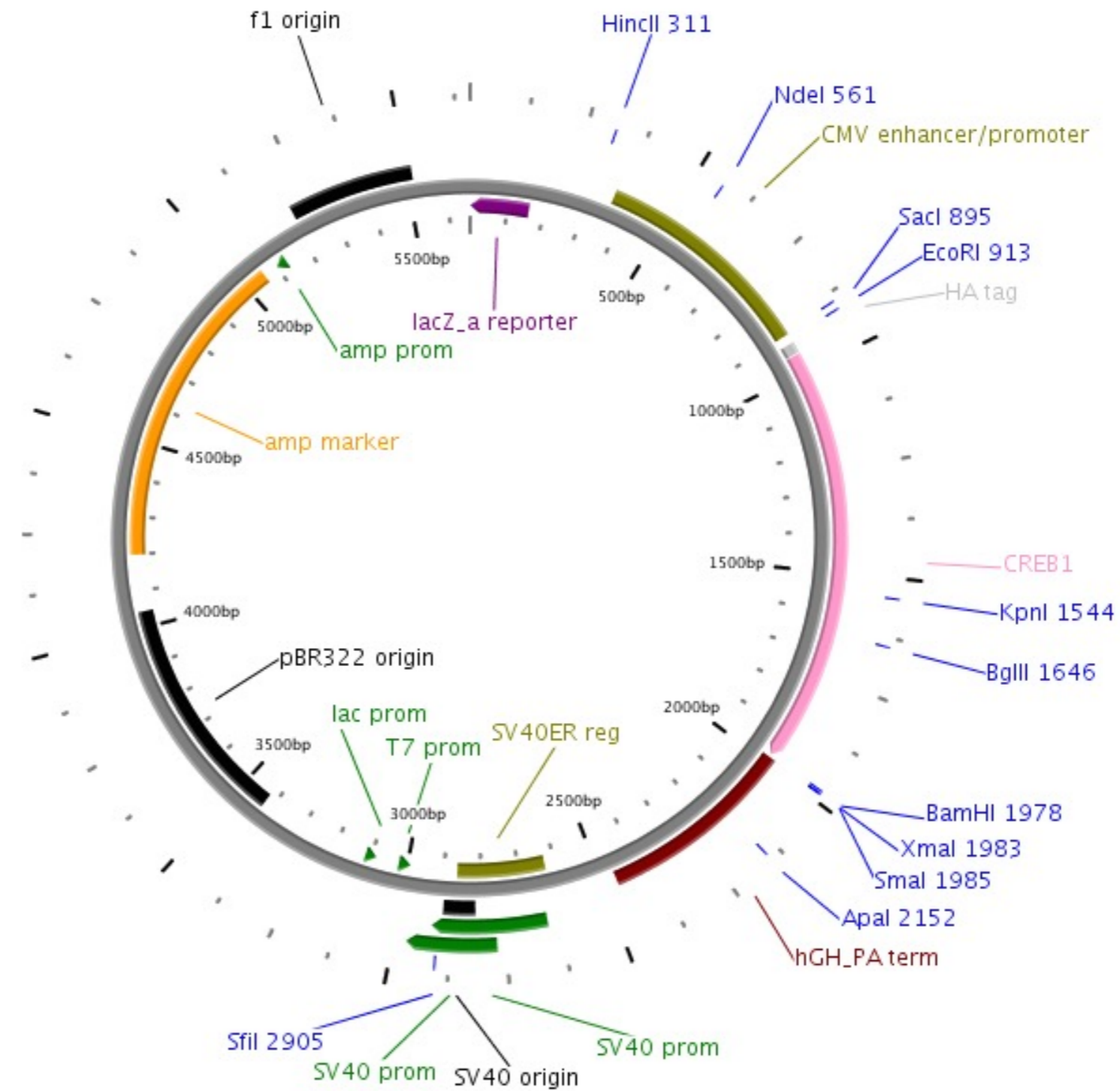
Reporter gene

Promoter, - CMV enhancer/promoter
splice, - hGH polyA site
PolyA

Comments - sequence available, double checked by sequencing. **Sequence OK!**

- Dundee University reference DU4106; DO NOT DISTRIBUTE CLONE

Reference



Construct number 2618

Date entered 13.8.15

Constructed by MRC-PPU reagent, Dundee

Date constructed

PLASMID NAME

pcDNA5-FRT/TO-HA STIP1

bacterial marker Amp

vertebrate marker Hygromycin

parent vector
pcDNA5 FRT/TO HA2
bacterial plasmid

other relevant source constructs

Inserts Human Stip1 (transcript variant 2) with N-terminal HA tag

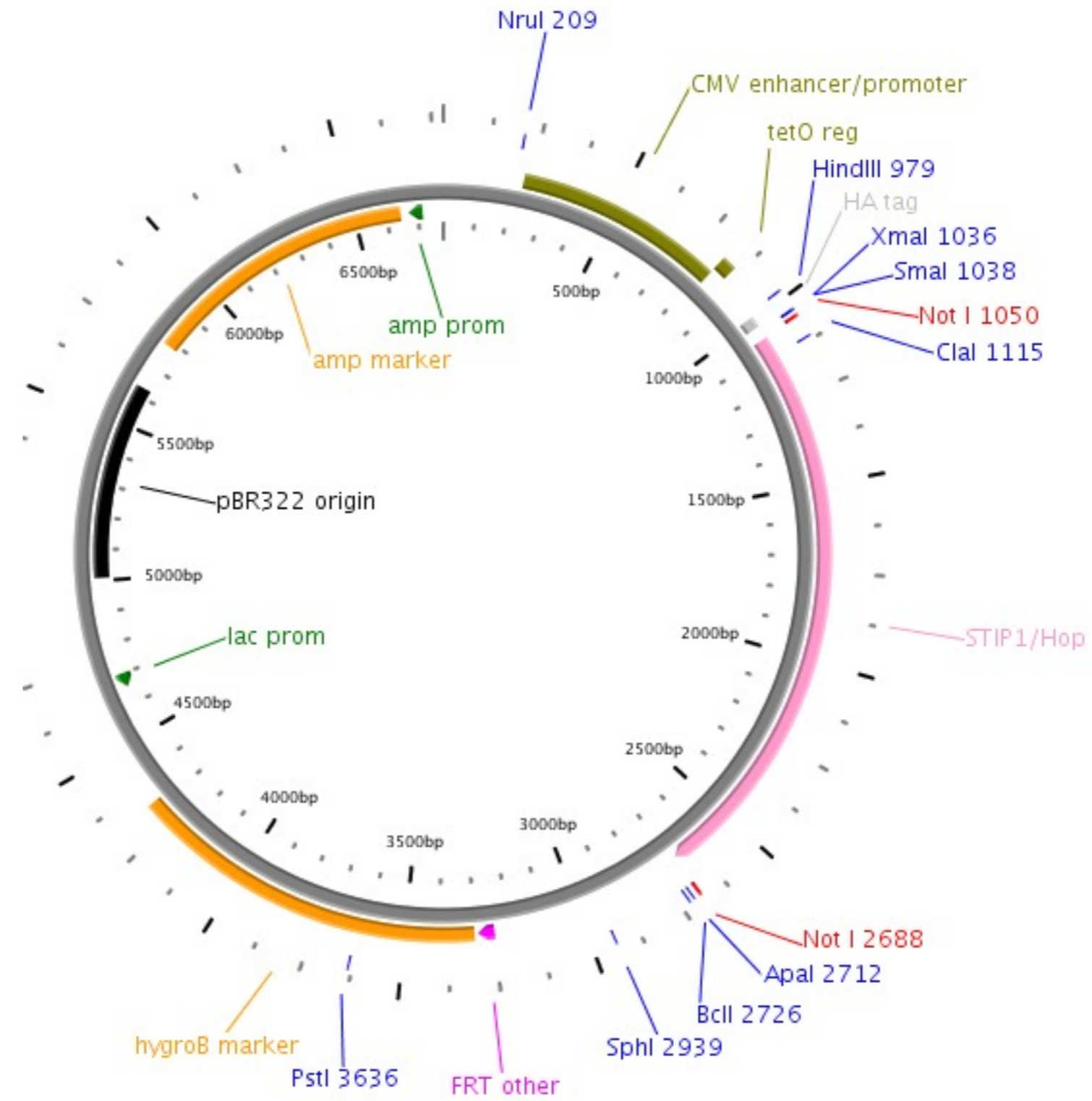
Reporter gene

Promoter, splice, PolyA - CMV enhancer/promoter

Comments - sequence available

- Dundee University reference DU16548; DO NOT DISTRIBUTE CLONE

Reference



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Diana Wider

Date entered 24.8.15
 Date constructed 08_2015

PLASMID NAME

pC/frmFluc

bacterial marker Amp	parent vector pmeLuc
vertebrate marker Neo (G418)	bacterial plasmid pUC
eucaryotic replicon SV40 ori	other relevant source constructs

Inserts signal sequence of human folate receptor (26 AA) fused to myc tag (10 AA) fused to firefly luciferase

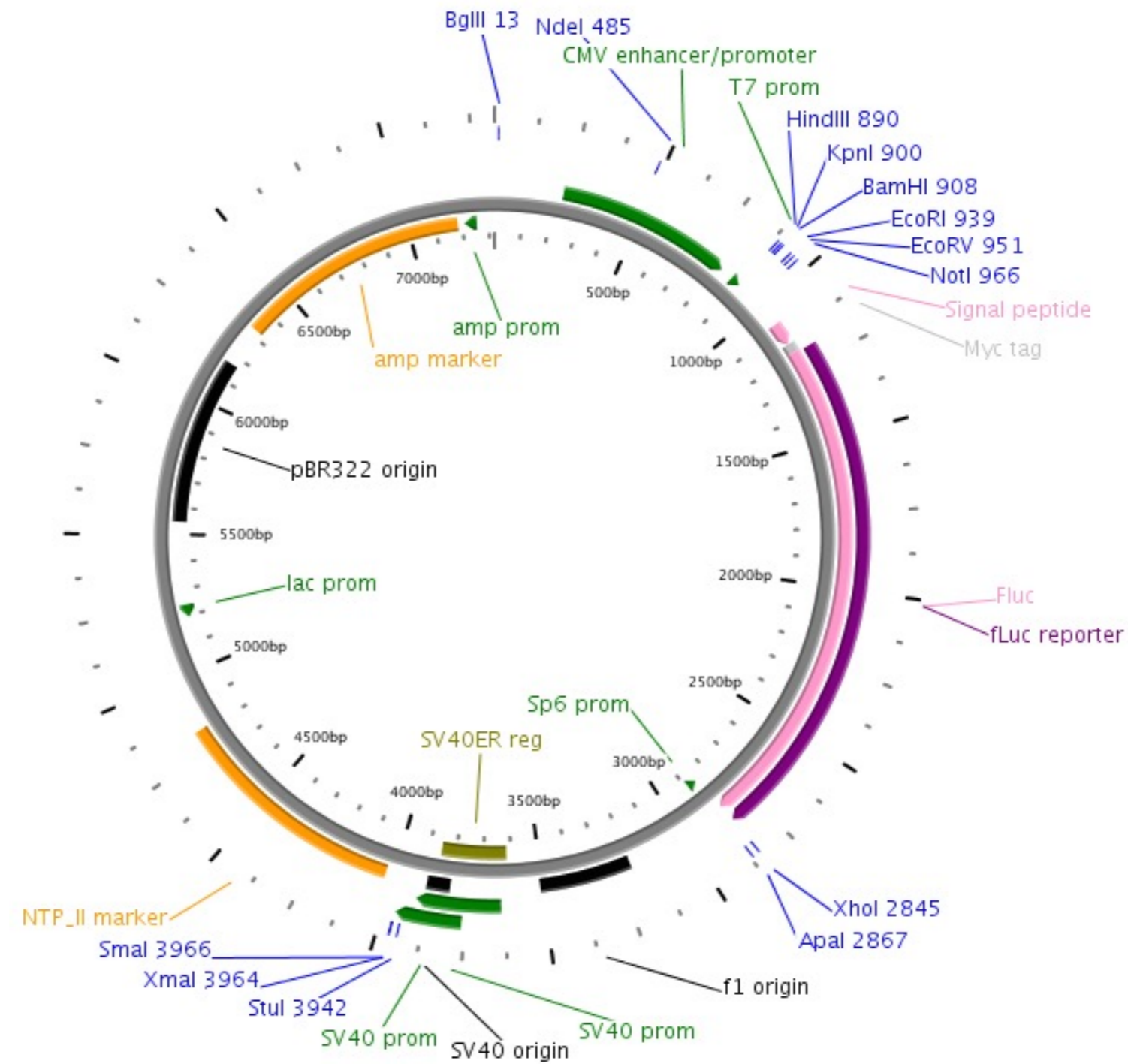
Reporter gene

Promoter, splice, PolyA

- CMV promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments - complete sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Diana Wider

Date entered 1.10.15
 Date constructed 2015

PLASMID NAME

pCAG-NLS-F

bacterial marker Amp	parent vector pCAG-ERT2-Cre-ERT2
eukaryotic replicon SV40 ori	bacterial plasmid high copy
	other relevant source constructs

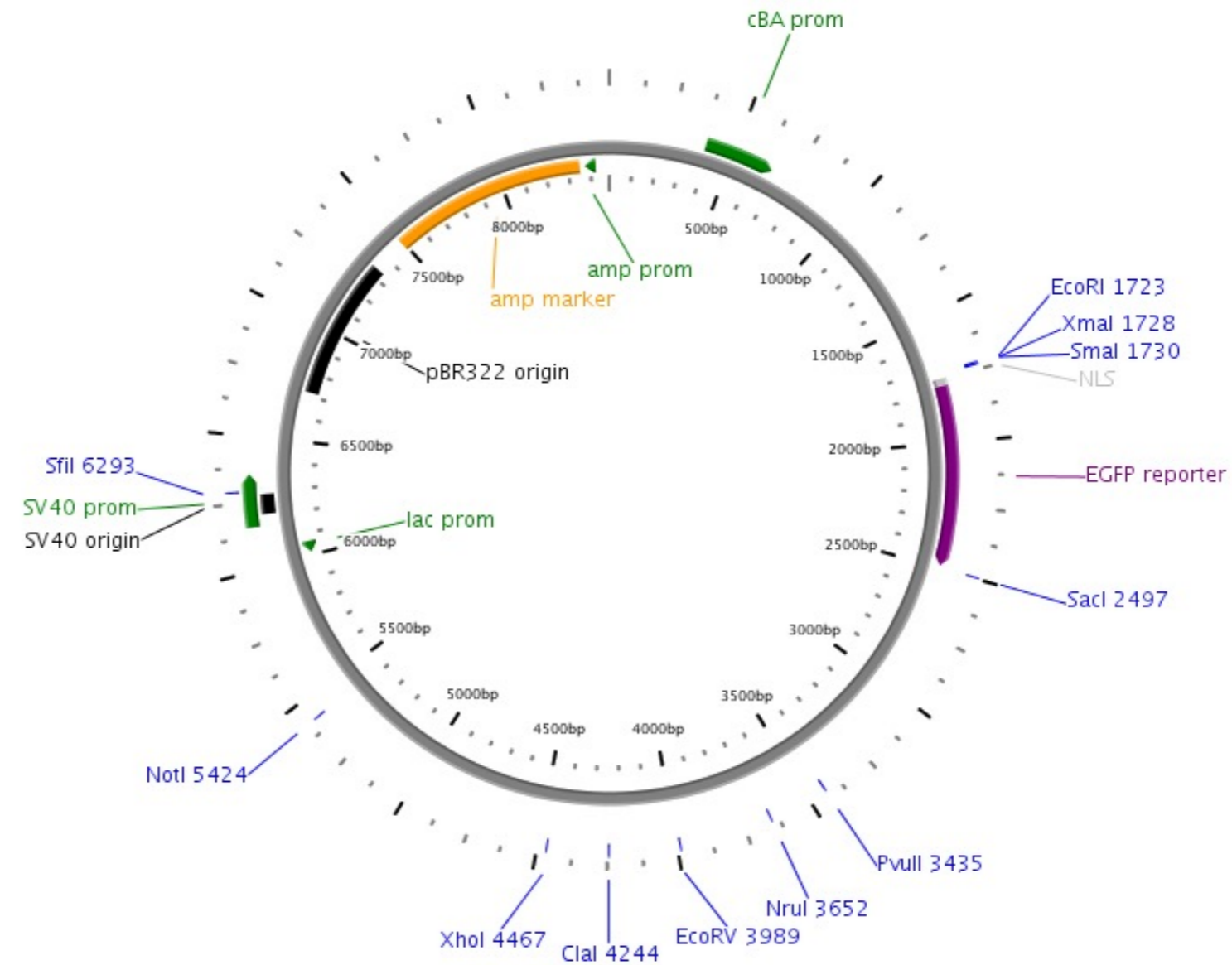
Inserts NLS from SV40 (PKKKRKV) fused to EGFP

Reporter gene

Promoter, splice, PolyA
 - CAG (chicken β -actin promoter with cytomegalovirus enhancer)
 - rabbit globin polyA

Comments
 - protein is nuclear
 - EGFP has R123S mutation from PCR; apparently no obvious impact on color or brilliance
 - sequence available

Reference



Construct number

2621

Date entered

27.11.15

Constructed by

Marcela Bennesch

Date constructed

PLASMID NAME

pLKO.shHsp90 β (S3)

bacterial marker

Amp

Puromycin

parent vector

pLKO.1

bacterial plasmid

pUC

other relevant source constructs

Inserts

shRNA against Hsp90 β inserted in AgeI and EcoRI sites in the place of the stuffer sequence. The expressed shRNA targets the 3'UTR of the Hsp90 β mRNA.

(Target DNA sequence)

5' CTTGTGTTGAAGGCAGTAAAC

Reporter gene

Promoter,
splice,
PolyA

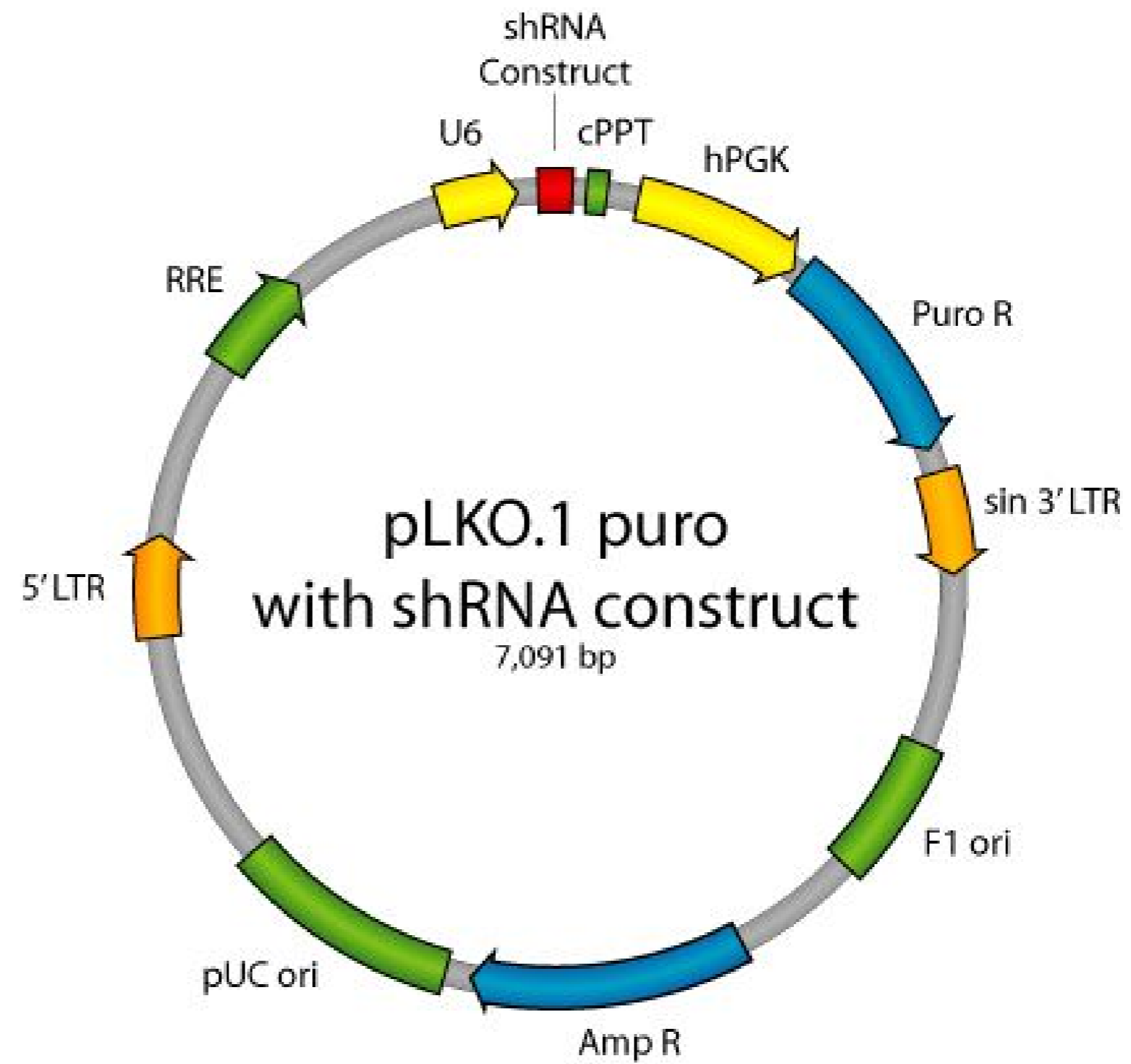
Comments

Validated sequence from TRCN0000315416

Blast : OK (no other perfect match)

Good knockdown efficiency

Reference



Construct number 2622

Date entered 17.2.16

Constructed by Rudi Jaenisch lab

Date constructed

PLASMID NAME

pCAGGS-flpE-puro

bacterial marker Amp

vertebrate marker Puromycin

eukaryotic replicon SV40 ori

parent vector

pCAGGS-flpE

bacterial plasmid

pBS

other relevant source constructs

Inserts Flpe recombinase with NLS followed by IRES and puro marker

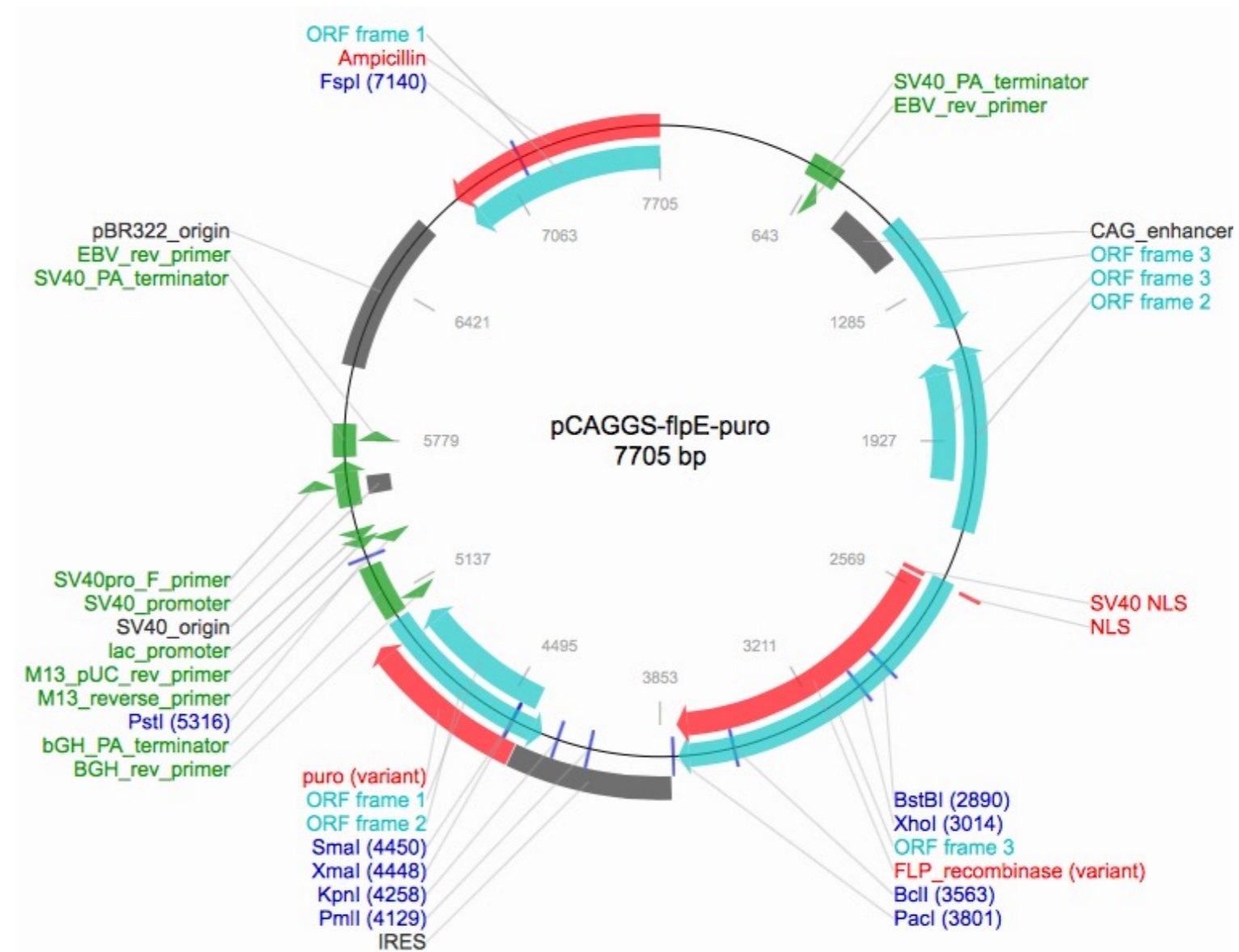
Reporter gene

Promoter, splice, PolyA - CAG (chicken β -actin promoter with cytomegalovirus enhancer)
- bGH terminator and polyA

Comments - full sequence available

- plasmid obtained from Addgene (plasmid # 20733);

Reference Beard et al Genesis. 2006 Jan . 44(1):23-8



Construct number 2623

Date entered 17.2.16

Constructed by Darrell Kotton lab

Date constructed

PLASMID NAME

pHAGE/Cre-IRES-PuroR

bacterial marker Amp

vertebrate marker Puromycin

eucaryotic replicon SV40 ori

parent vector pHAGE2

bacterial plasmid

other relevant source constructs

Inserts Lentiviral vector with internal EF1a promoter - NLS-Cre - IRES - puro marker

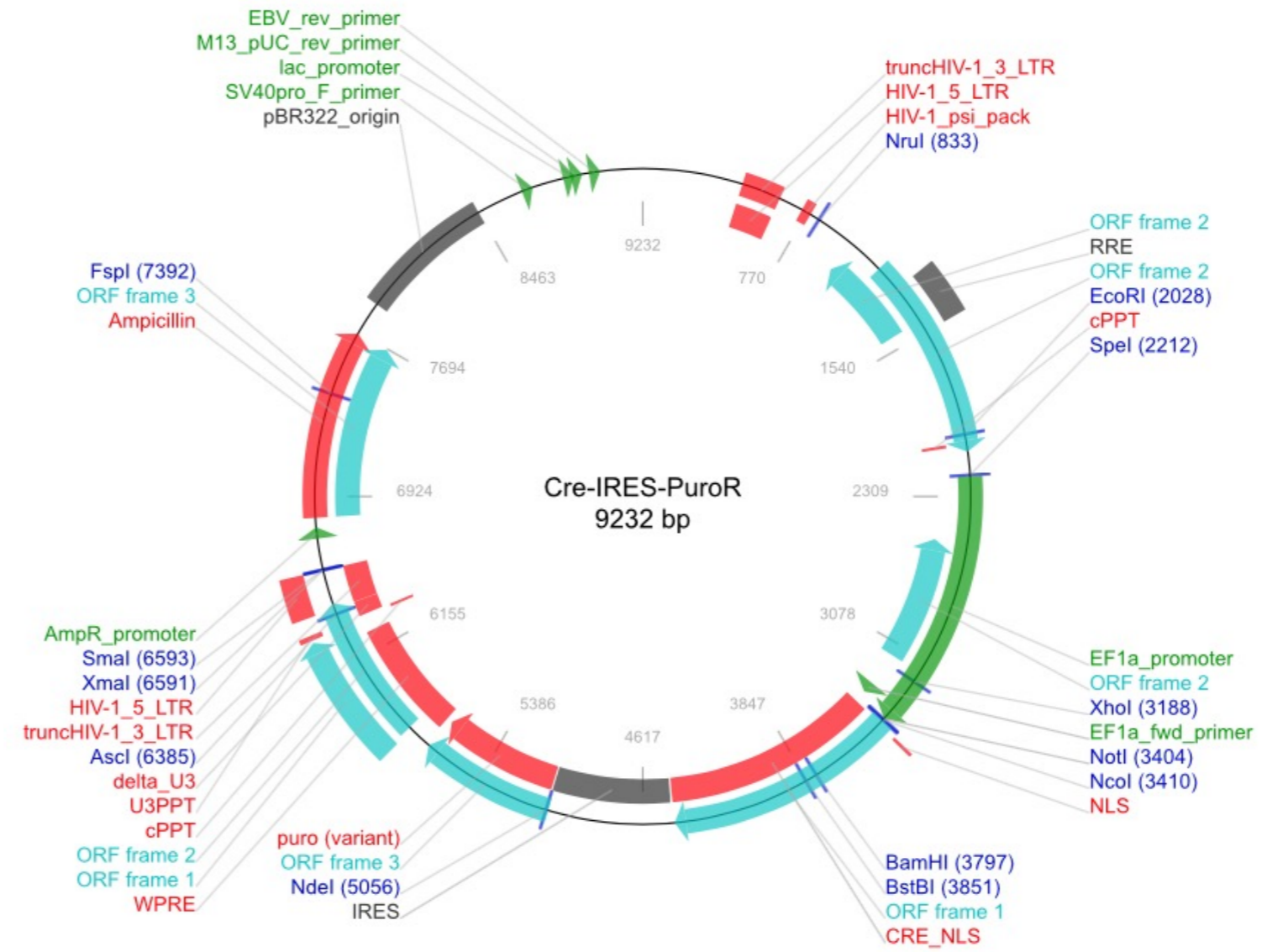
Reporter gene

Promoter, splice, PolyA long version of EF1a promoter

Comments - Addgene plasmid # 30205

- full sequence available

Reference Somers et al., Stem Cells. 2010 Oct . 28(10):1728-40



Construct number 2624

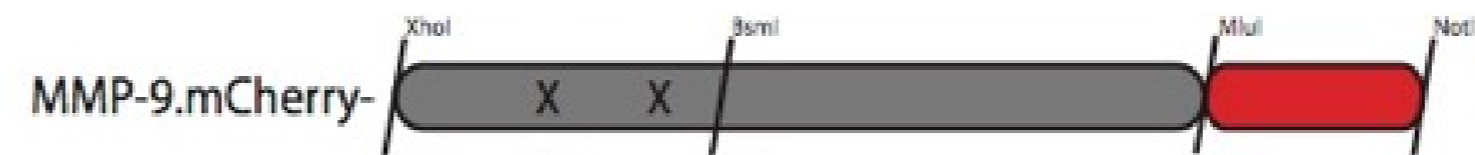
Date entered 10.3.16

Constructed by Yang lab

Date constructed

PLASMID NAME

MMP9-mCherry



bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pCI-neo

bacterial plasmid

pUC

other relevant source constructs

Inserts human MMP9 fused to mCherry

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - chimeric intron
PolyA - T7 promoter/priming site - MCS
- SV40 late poly A signal

Comments - chimeric protein is efficiently secreted
- sequence of ORF available

Reference Duellman et al (2015) Traffic 16, 1108-26 and Duellman et al. (2015) Analyt. Biochem. 473, 34.

Construct number
Constructed by Yang lab

Date entered 10.3.16
Date constructed

PLASMID NAME

ss-EGFP

<u>bacterial marker</u> Amp	<u>parent vector</u> pCI-neo
<u>vertebrate marker</u> Neo (G418)	<u>bacterial plasmid</u> pUC
<u>eucaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts T-cadherin signal sequence peptide fused to EGFP

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - chimeric intron
PolyA - T7 promoter/priming site - MCS
- SV40 late poly A signal

Comments - protein is efficiently secreted

Reference Duellman et al (2015) Traffic 16, 1108-26 and Duellman et al. (2015) Analyt. Biochem. 473, 34.

ss.eGFP sequence

```
M Q P R T P L T L C V L L S Q V L L V T S A V S K G E E L F
5' ATGCAGCCGAGAACTCCGCTCACCCGTGTCGCTCCAGGTCCTCGGTAACATCTGCAGTGAGCAAGGGCGAGGAGCTGTTTC 90
T G V V P I L V E L D G D V N G H K F S V S G E G E G D A T
ACCGGGTGGTGCCATCCTGGTCGAGCTGGACGGCGACGTAAACGGCCACAAGTTCAGCGTGTCCGGCGAGGGCGAGGGCGATGCCACC 180
Y G K L T L K F I C T T G K L P V P W P T L V T T L T Y G V
TACGGCAAGCTGACCCGTAAGTTCATCTGCACCACCGGCAAGCTGCCCGTCCCTGGCCACCCCTCGTGACCACCCCTGACCTACGGCGTG 270
Q C F S R Y P D H M K Q H D F F K S A M P E G Y V Q E R T I
CAGTGCTTCAAGCCGCTACCCCGACCATGAAGCAGCAGACTTCTTCAAGTCCGCCATGCCCGAGGGCTACGTCCAGGAGCGCACCATC 360
F F K D D G N Y K T R A E V K F E G D T L V N R I E L K G I
TTCTCAAGGACGACGGCAACTACAAGACCCGCGCCGAGGTGAAGTTCGAGGGCGACACCCCTGGTGAACCGCATCGAGCTGAAGGGCATC 450
D F K E D G N I L G H K L E Y N Y N S H N V Y I M A D K Q K
GACTTCAAGGAGGACGGCAACATCCGCGGACCAAGCTGGAGTACAACAGCCACAACGCTTATATCATGGCCGACAAGCAGAAG 540
N G I K V N F K I R H N I E D G S V Q L A D H Y Q Q N T P I
AACGGCATCAAGGTGAAGTCAAGATCCGCCACAACATCGAGGACGGCAGCGTGCAGCTCGCCGACCACTACCAGCAGAACACCCCATC 630
G D G P V L L P D N H Y L S T Q S A L S K D P N E K R D H M
GGCGACGGCCCGTGTGCTGCCGACAACCACTACCTGAGCACCAGTCCGCCCTGAGCAAAGACCCCAACGAGAAGCGCGATCACATG 720
V L L E F V T A A G I T L G M D E L Y K T R Y P Y D V P D Y
GTCTGTGGAGTTCGTGACCGCCGCGGGATCACTCTCGGCATGGACGAGCTGTACAAGACGCGTTACCCATACGATGTTCTGACTAT 810
A G Y P Y D V P D Y A G S Y P Y D V P D Y A A Q C * *
GCGGGCTATCCCTATGACGTCCCGACTATGCAGGATCCTATCCATATGACGTTCCAGATTACGCTGCTCAGTGCTAGTGA 3' 891
```

T-Cadherin Signal Peptide

eGFP

Mlu I restriction site

3xHA

DIDIER PICARD LAB, University of Geneva

Construct number

2628

Date entered

25.4.16

Constructed by

Alexander Stark Lab

Date constructed

PLASMID NAME

pSTARR-seq_human

bacterial marker Amp+Chl

parent vector

pGL4.10

bacterial plasmid

other relevant source constructs

Inserts

None (empty backbone) - Cleavage sites are created between the AgeI and Sall restriction sites.

Reporter gene

GFP

Promoter,
splice,
PolyA

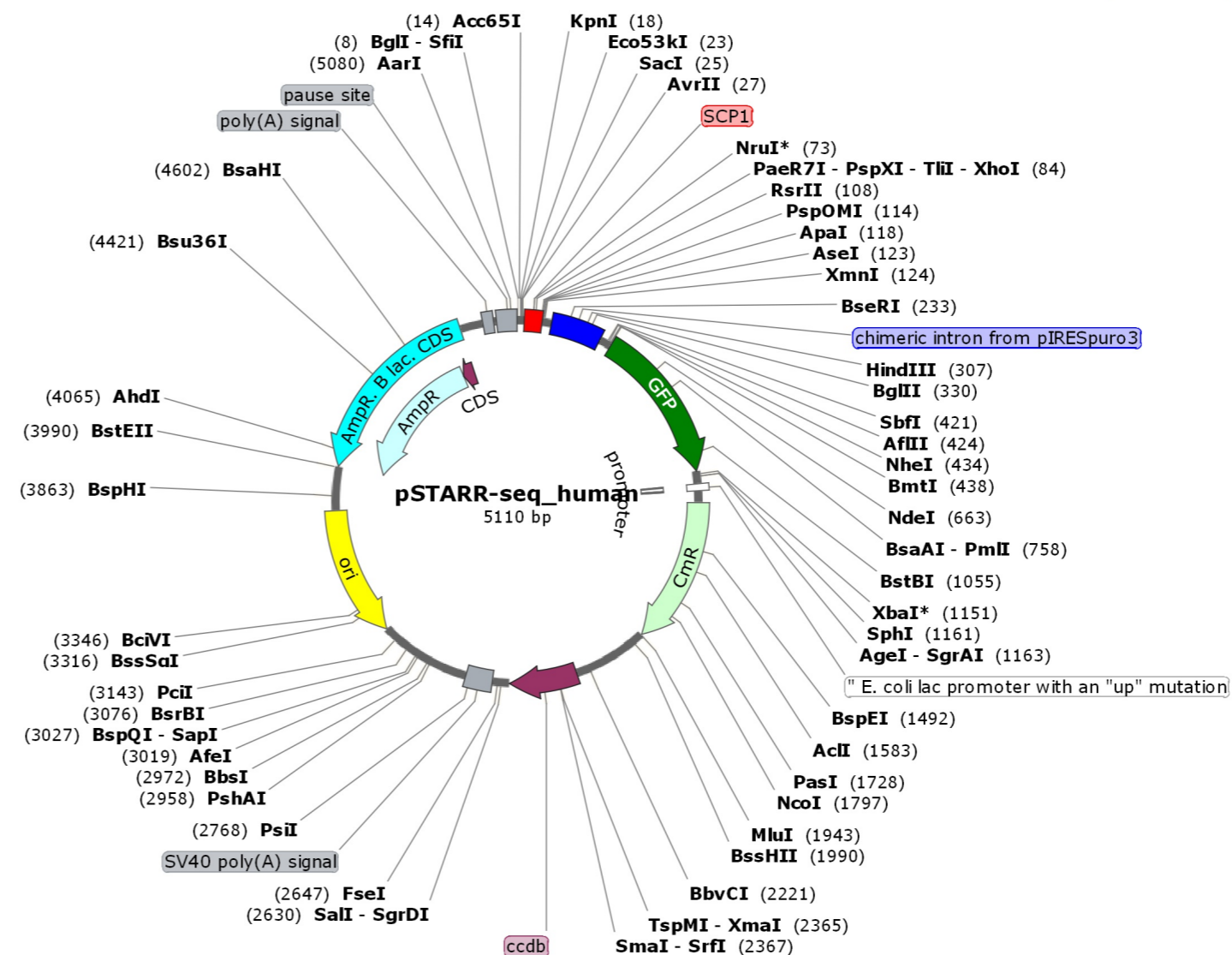
Super Core Promoter (SCP1)
Chimeric intron
SV40 late polyA signal

Comments

IMPORTANT: ccdB survival bacterial strain for transformation .
THIS VECTOR IS NOT SUITABLE FOR STARR-seq screening. USE 2681

Reference

(Empty Backbone) humanSTARR-seq screening vector with SCP1 core
Genome-wide quantitative enhancer activity maps identified by STARR-seq. Arnold CD, Gerlach D, Stelzer C, Boryn LM, Rath M, Stark A. Science. 2013 Mar 1;339(6123):1074-7. doi: 10.1126/science.1232542. Epub 2013 Jan 17. 10.1126/science.1232542



Created with SnapGene®

DIDIER PICARD LAB, University of Geneva

Construct number

2629

Date entered

25.4.16

Constructed by

Alexander Stark Lab

Date constructed

PLASMID NAME

pGL4-Gateway-SCP1

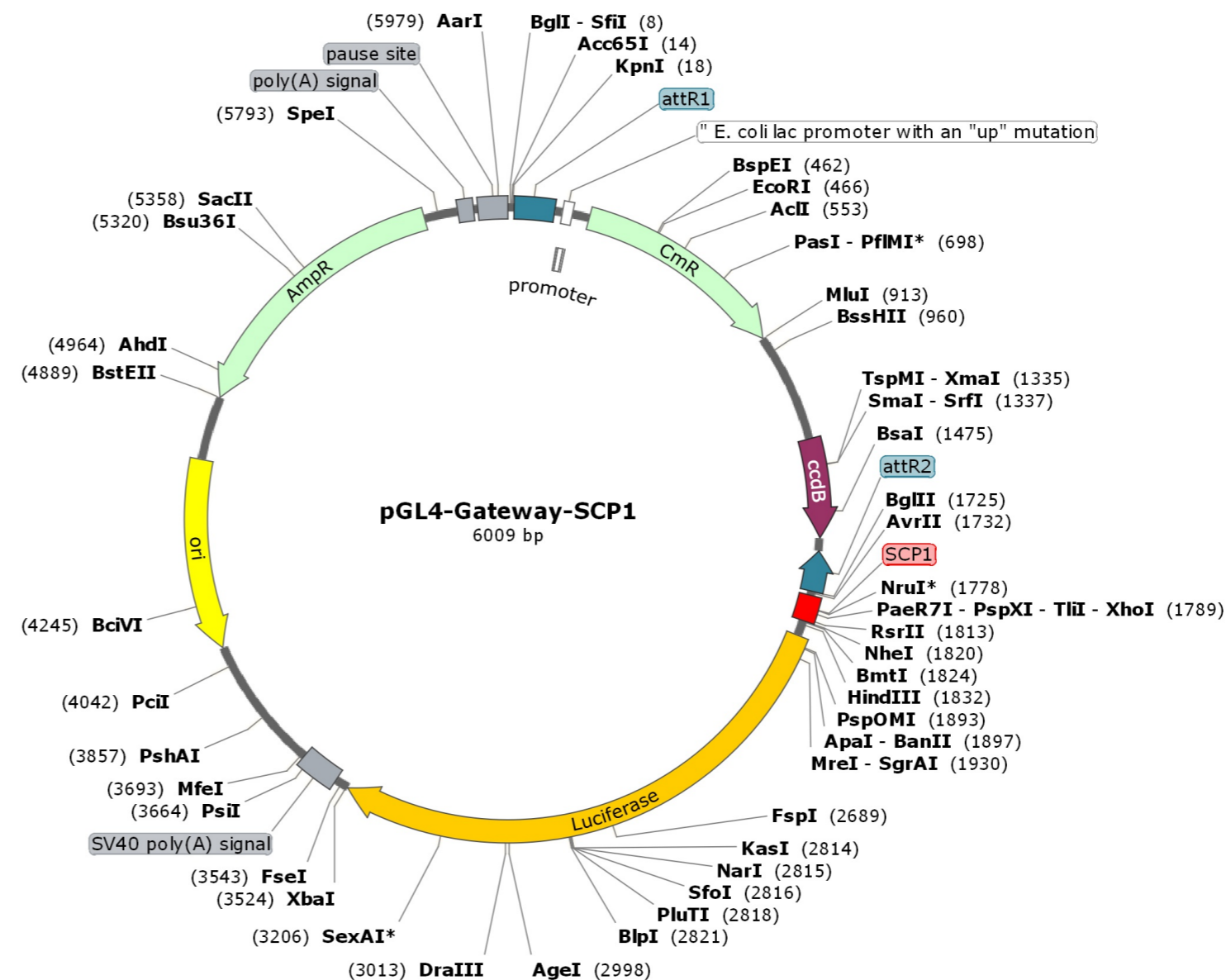
Created with SnapGene®

bacterial marker Amp+Chl	parent vector pGL4.10
	bacterial plasmid
other relevant source constructs	

Inserts None (Empty Backbone)

Reporter gene luciferase

Promoter, splice, PolyA Super Core Promoter (SCP1)
SV40 late polyA signal



Comments (Empty Backbone) humanSTARR-seq validation vector with Gateway cassette upstream of the firefly luciferase gene and the SCP1 core promoter. Gateway-cassette was added between the KpnI and BglII sites and SCP1 between BglIII and HindIII.

Reference Genome-wide quantitative enhancer activity maps identified by STARR-seq. Arnold CD, Gerlach D, Stelzer C, Boryn LM, Rath M, Stark A. Science. 2013 Mar 1;339(6123):1074-7. doi: 10.1126/science.1232542. Epub 2013 Jan 17. 10.1126/science.1232542.

Construct number 2631

Date entered 9.5.16

Constructed by Evrogen

Date constructed

PLASMID NAME

pTagRFP-C

bacterial marker Kan

parent vector

bacterial plasmid

other relevant source constructs

Inserts pTagRFP-C is a mammalian expression vector encoding red (orange) fluorescent protein TagRFP. The vector allows generation of fusions to the TagRFP C-terminus and expression of TagRFP fusions or TagRFP alone in eukaryotic (mammalian) cells.

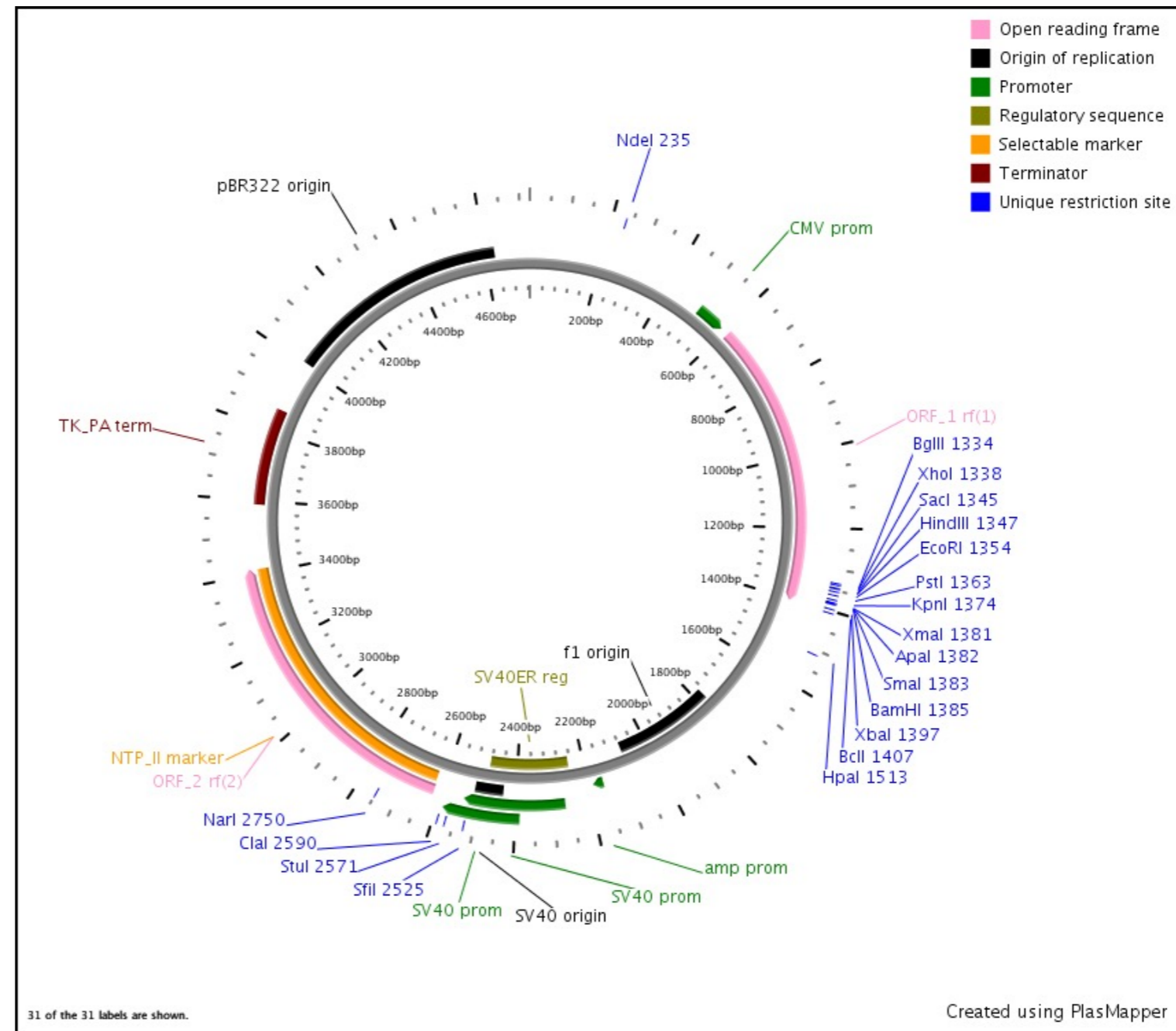
Reporter gene TagRFP

Promoter, splice, PolyA CMV promoter
SV40 polyA terminator

Comments TagRFP Ex max: 555 nm
TagRFP Em max: 584 nm

Reference Gorman C. High efficiency gene transfer into mammalian cells. In DNA cloning: A Practical Approach, Vol. II. Ed. D. M. Glover. (IRL Press, Oxford, U.K.). 1985; 143-90.

Haas J, Park EC, Seed B. Codon usage limitation in the expression of HIV



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 19.5.16

Constructed by Addgene

Date constructed 27.03.15

PLASMID NAME

EGFP-LC3

bacterial marker Kan

parent vector

pEGFP-C3

bacterial plasmid

other relevant source constructs

Inserts

Addgene entry : 11546. This plasmid comes from the lab of Karla Kirkegaard and it encodes the human LC3B (Atg8 in yeast) fused to EGFP at N-terminal. Cloning site EcoRI.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Addgene entry : 11546

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 19.5.16

Constructed by Addgene

Date constructed 26.06.15

PLASMID NAME

p130Cas (BCAR1)

bacterial marker Amp

parent vector

pEBG

bacterial plasmid

other relevant source constructs

Inserts Addgene entry : 15001. This plasmid comes from the lab of Raymond Birge and it encodes the rat p130Cas. Cloned at BamHI/NotI (5'/3').

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Addgene entry : 15001

Construct number
Constructed by Bieganowski lab

Date entered 26.5.16
Date constructed

PLASMID NAME

pFlag-HSP90beta(H1)

bacterial marker Amp	parent vector pcDNA3
vertebrate marker Neo (G418)	bacterial plasmid pUC
eukaryotic replicon SV40 ori	other relevant source constructs pFlag-HSP90alpha(H2)

Inserts Flag tag fused to human HSP90 beta

Reporter gene

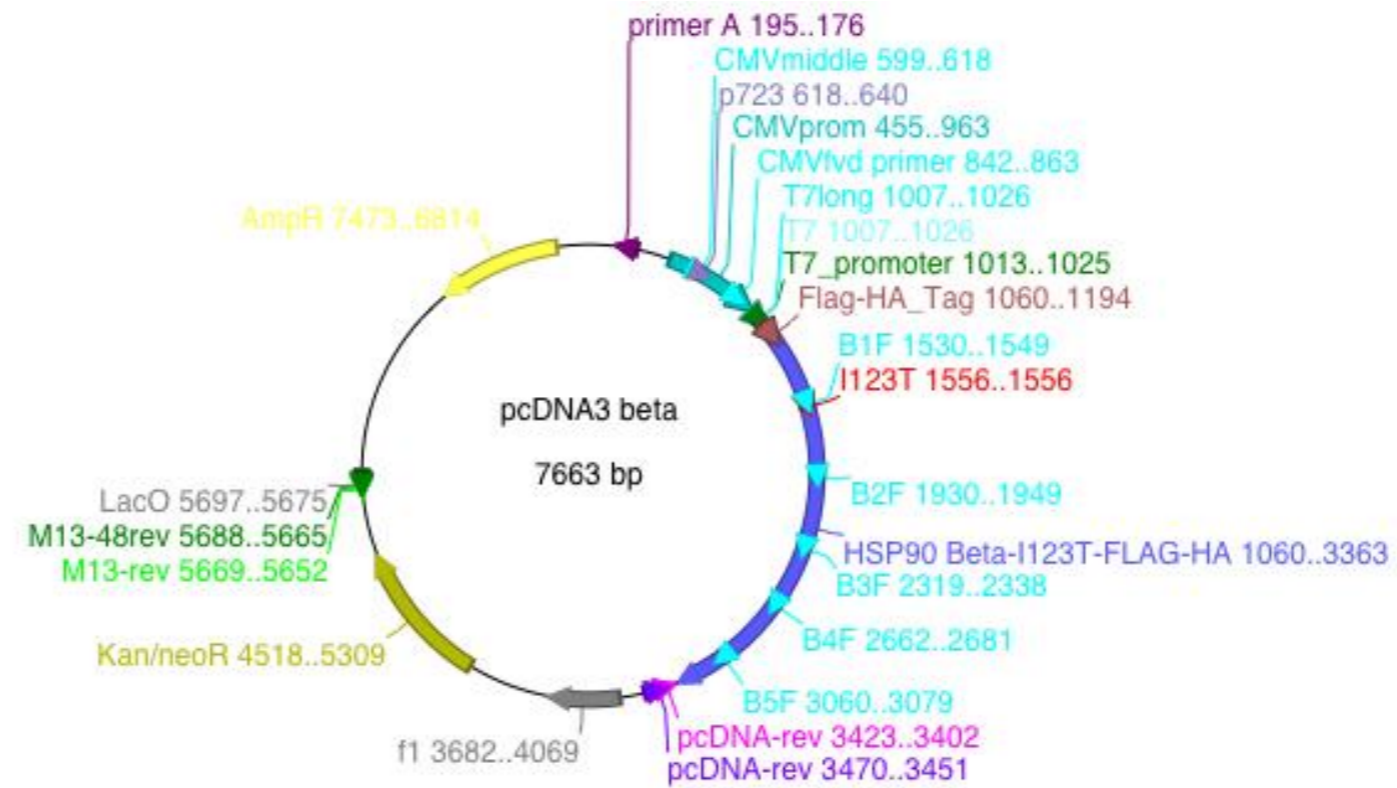
Promoter, splice, PolyA

- CMV promoter
- T7 Promoter binding site/ priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early polyA signal
- pUC origin

Comments HSP90 protein holds a pointed mutation (I123T) which makes HSP90 17-AAG resistant

Reference

- Kamil Synoradzki, Pawel Bieganowski.2014 biochimica et biophysica acta
- P.C Echeverria et al.2016 Mol.Cell.Biol



Construct number
Constructed by Bieganowski lab

Date entered 26.5.16
Date constructed

PLASMID NAME

pFlag-HSP90alpha(H2)

bacterial marker Amp	parent vector pcDNA3
vertebrate marker Neo (G418)	bacterial plasmid pUC
eukaryotic replicon SV40 ori	other relevant source constructs

Inserts Flag tag fused to human HSP90 alpha

Reporter gene

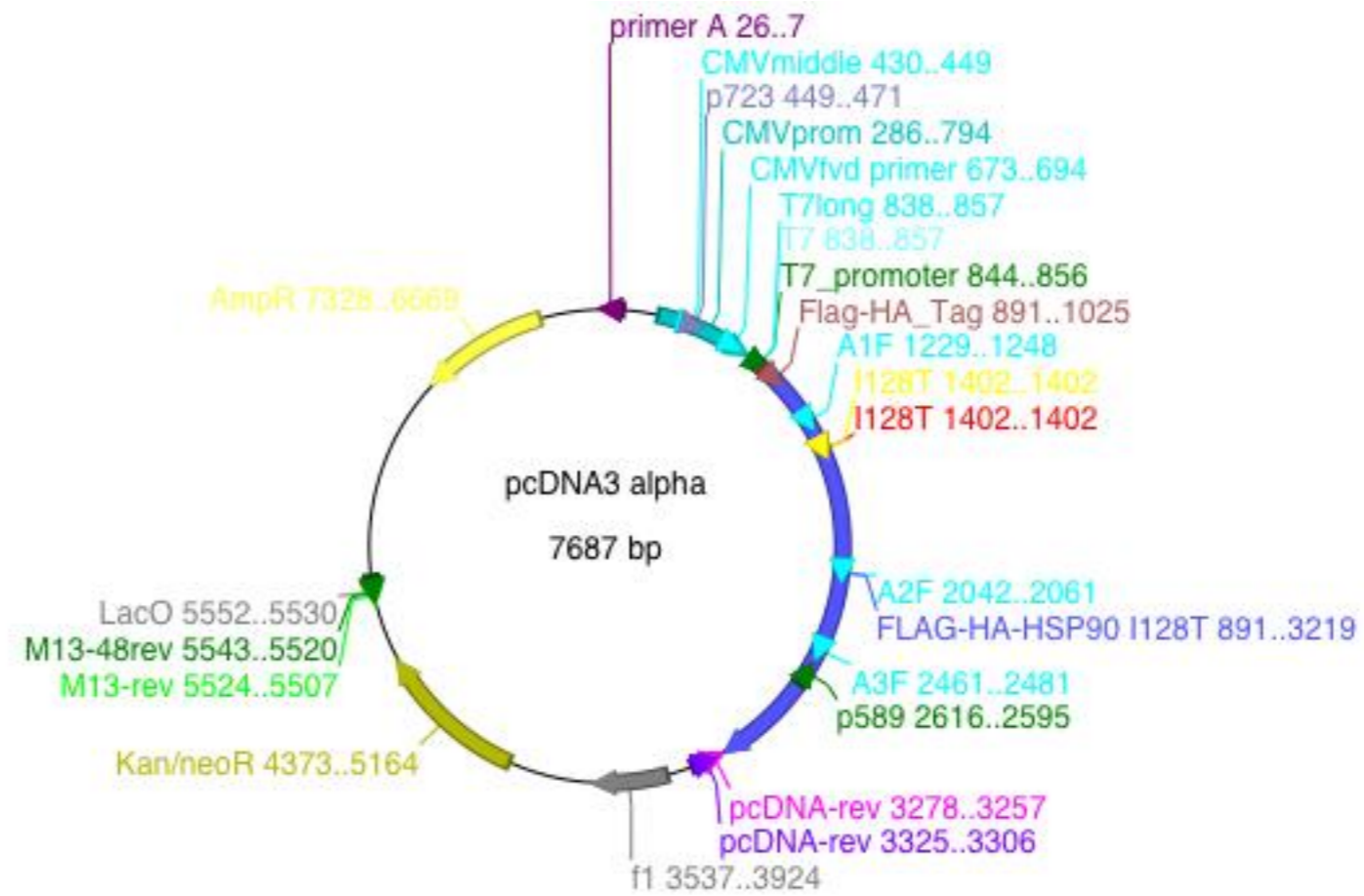
Promoter, splice, PolyA

- CMV promoter
- T7 Promoter binding site/ priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early polyA signal
- pUC origin

Comments HSP90 protein holds a pointed mutation (I128T) which makes HSP90 17-AAG resistant

Reference

- Kamil Synoradzki, Pawel Bieganowski.2014 biochimica et biophysica acta
- P.C Echeverria et al.2016 Mol.Cell.Biol



Construct number
Constructed by Bieganowski lab

Date entered 26.5.16
Date constructed

PLASMID NAME

pFlag-HSP90hybrid (H3)

bacterial marker Amp	parent vector pcDNA3
vertebrate marker Neo (G418)	bacterial plasmid pUC
eukaryotic replicon SV40 ori	other relevant source constructs pFlag-HSP90alpha(H2) pFlag-HSP90beta(H1)

Inserts Flag tag fused to human HSP90 beta.
N-domain was swapped with N-domain of HSP90 alpha

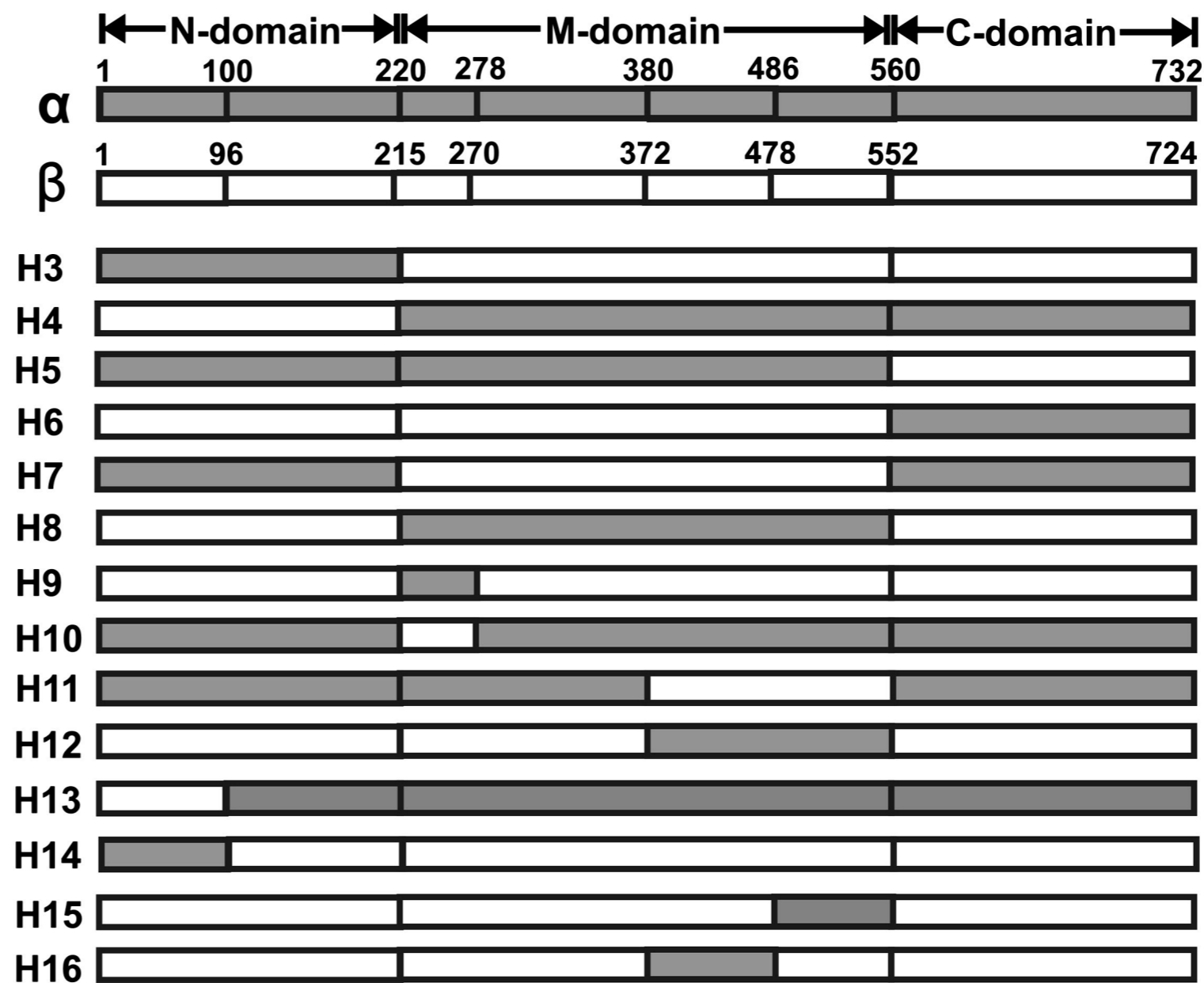
Reporter gene

Promoter, splice, PolyA
- CMV promoter
- T7 Promoter binding site/ priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early polyA signal
- pUC origin

Comments - HSP90 protein holds a pointed mutation (I128T) which makes HSP90 17-AAG resistant

- for the plasmid map please refer to either original map of 2635 plasmid number or 2636 plasmid number

Reference - Kamil Synoradzki, Pawel Bieganowski.2014 biochimica et biophysica acta



Construct number
Constructed by Bieganowski lab

Date entered 26.5.16
Date constructed

PLASMID NAME

pFlag-HSP90hybrid (H4)

bacterial marker Amp	parent vector pcDNA3
vertebrate marker Neo (G418)	bacterial plasmid pUC
eukaryotic replicon SV40 ori	other relevant source constructs pFlag-HSP90alpha(H2) pFlag-HSP90beta(H1)

Inserts Flag tag fused to human HSP90 alpha
N-domain was swapped with N-domain of HSP90 beta

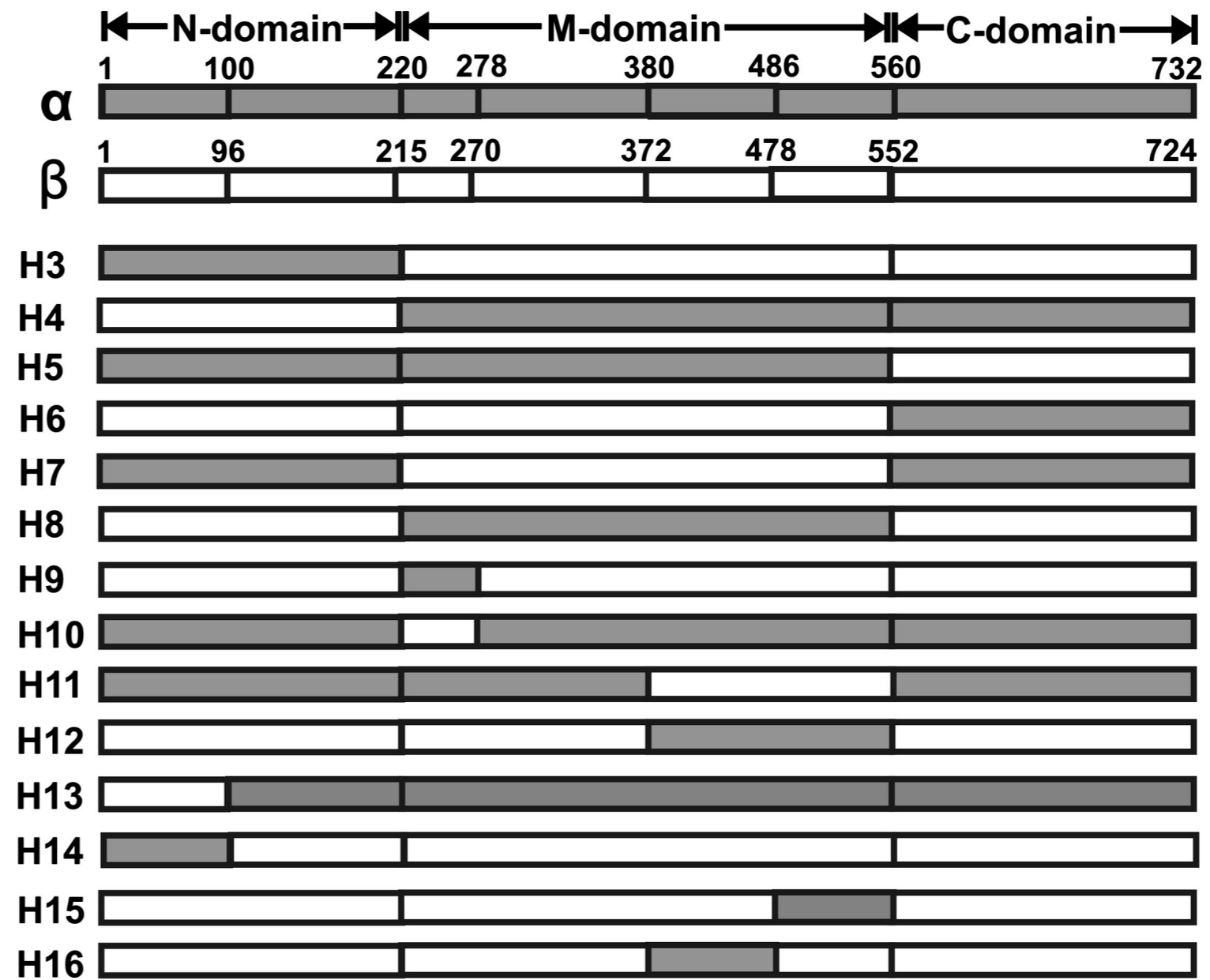
Reporter gene

Promoter, splice, PolyA
- CMV promoter
- T7 Promoter binding site/ priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early polyA signal
- pUC origin

Comments
-HSP90 protein holds a pointed mutation (I123T) which makes HSP90 17-AAG resistant

- for the plasmid map please refer to either original map of 2635 plasmid
number or 2636 plasmid number

Reference - Kamil Synoradzki, Pawel Bieganowski.2014 biochimica et biophysica acta



Construct number
Constructed by Bieganowski lab

Date entered 26.5.16
Date constructed

PLASMID NAME

pFlag-HSP90hybrid (H5)

bacterial marker Amp	parent vector pcDNA3
vertebrate marker Neo (G418)	bacterial plasmid pUC
eukaryotic replicon SV40 ori	other relevant source constructs pFlag-HSP90alpha(H2) pFlag-HSP90beta(H1)

Inserts Flag tag fused to human HSP90 alpha
C-domain was swapped with C-domain of HSP90 beta

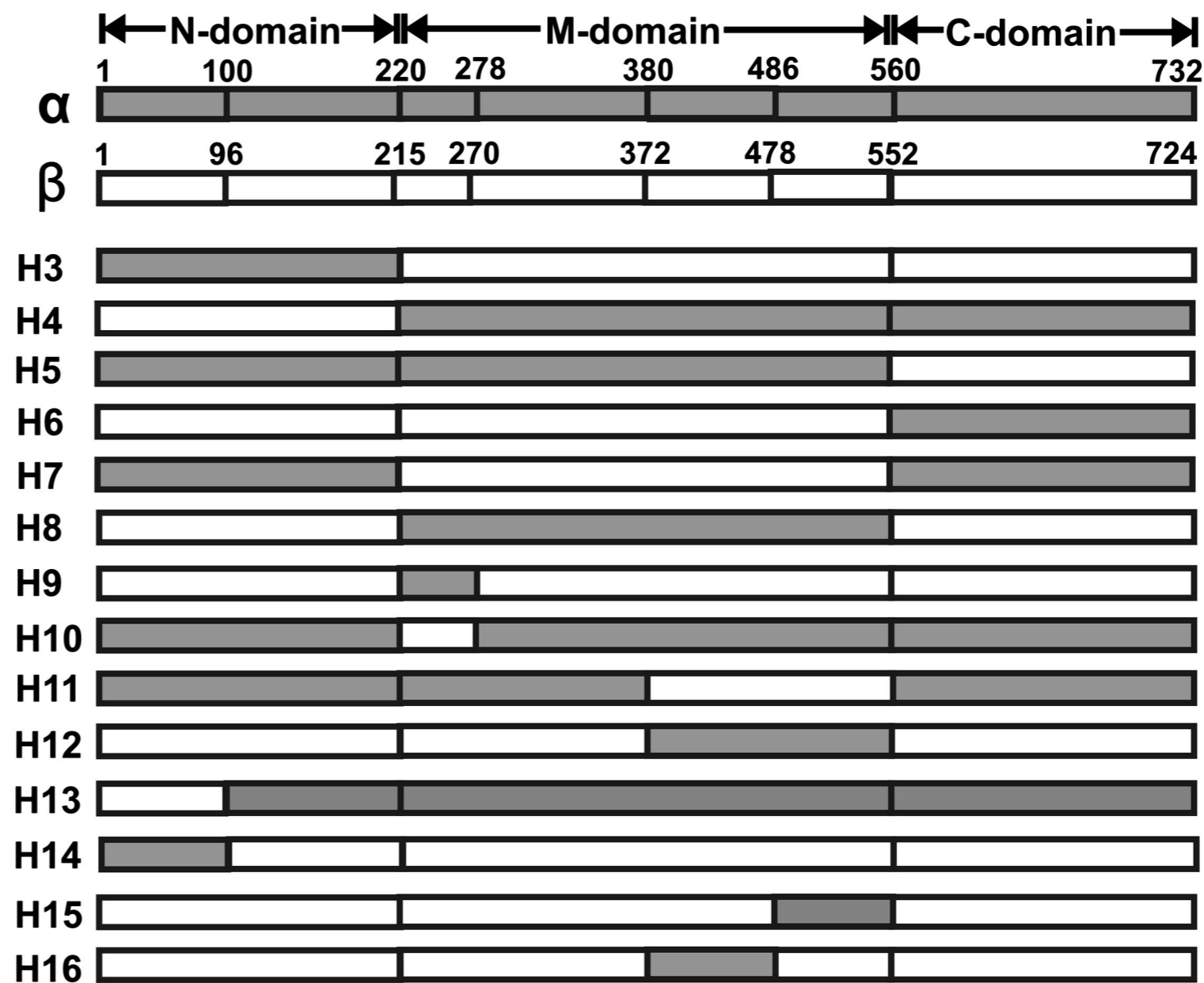
Reporter gene

Promoter, splice, PolyA
- CMV promoter
- T7 Promoter binding site/ priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early polyA signal
- pUC origin

Comments -HSP90 protein holds a pointed mutation (I123T) which makes HSP90 17-AAG resistant

- for the plasmid map please refer to either original map of 2635 plasmid number or 2636 plasmid number

Reference - Kamil Synoradzki, Pawel Bieganowski.2014 biochimica et biophysica acta



Construct number
Constructed by Bieganowski lab

Date entered 26.5.16
Date constructed

PLASMID NAME

pFlag-HSP90hybrid (H6)

bacterial marker Amp	parent vector pcDNA3
vertebrate marker Neo (G418)	bacterial plasmid pUC
eukaryotic replicon SV40 ori	other relevant source constructs pFlag-HSP90alpha(H2) pFlag-HSP90beta(H1)

Inserts Flag tag fused to human HSP90 beta
C-domain was swapped with C-domain of HSP90 alpha

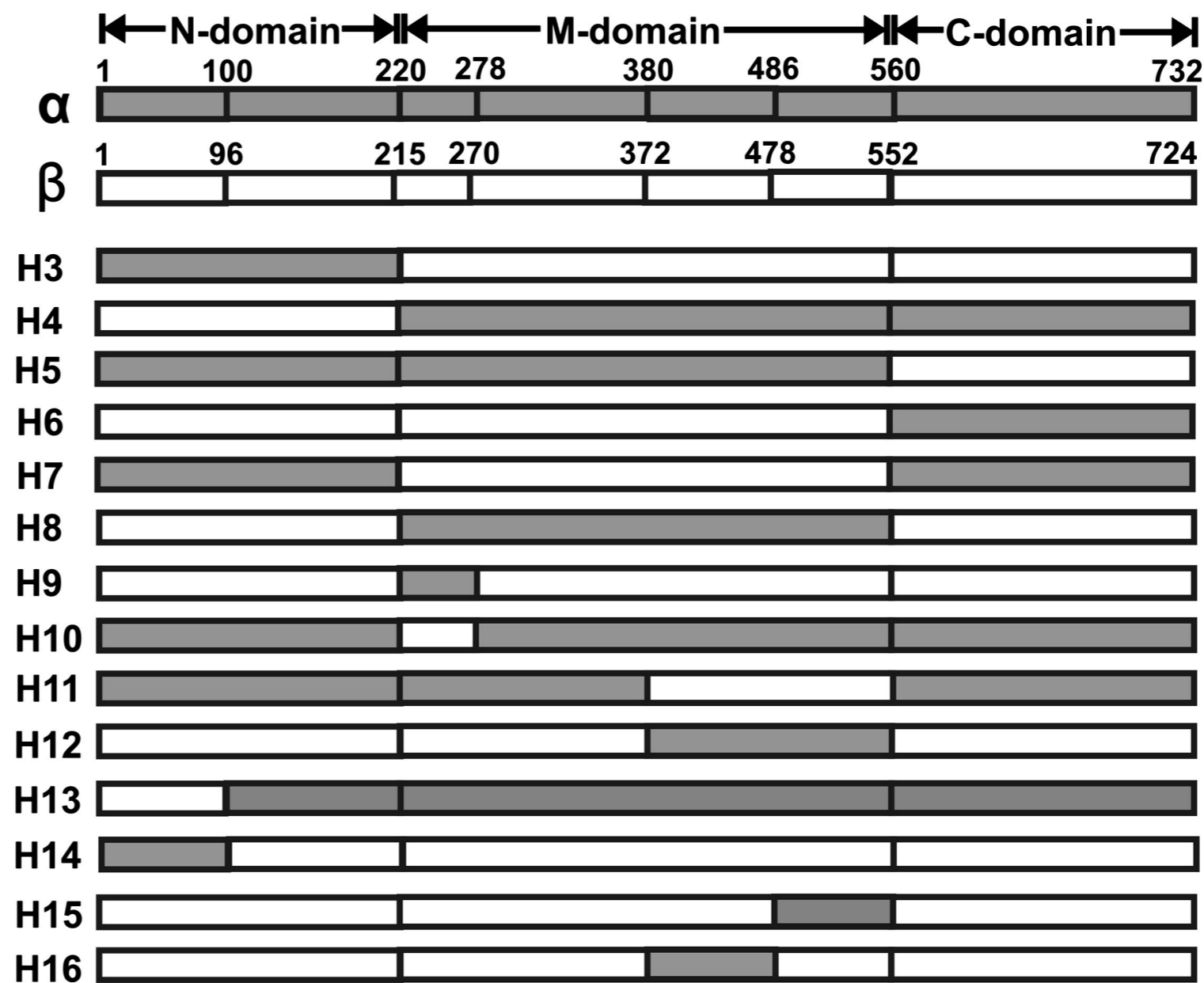
Reporter gene

Promoter, splice, PolyA
- CMV promoter
- T7 Promoter binding site/ priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early polyA signal
- pUC origin

Comments -HSP90 protein holds a pointed mutation (I123T) which makes HSP90 17-AAG resistant

- for the plasmid map please refer to either original map of 2635 plasmid number or 2636 plasmid number

Reference - Kamil Synoradzki, Pawel Bieganowski.2014 biochimica et biophysica acta



Construct number
Constructed by Bieganowski lab

Date entered 26.5.16
Date constructed

PLASMID NAME

pFlag-HSP90hybrid (H7)

bacterial marker Amp	parent vector pcDNA3
vertebrate marker Neo (G418)	bacterial plasmid pUC
eukaryotic replicon SV40 ori	other relevant source constructs pFlag-HSP90alpha(H2) pFlag-HSP90beta(H1)

Inserts Flag tag fused to human HSP90 alpha
M-domain was swapped with M-domain of HSP90 beta

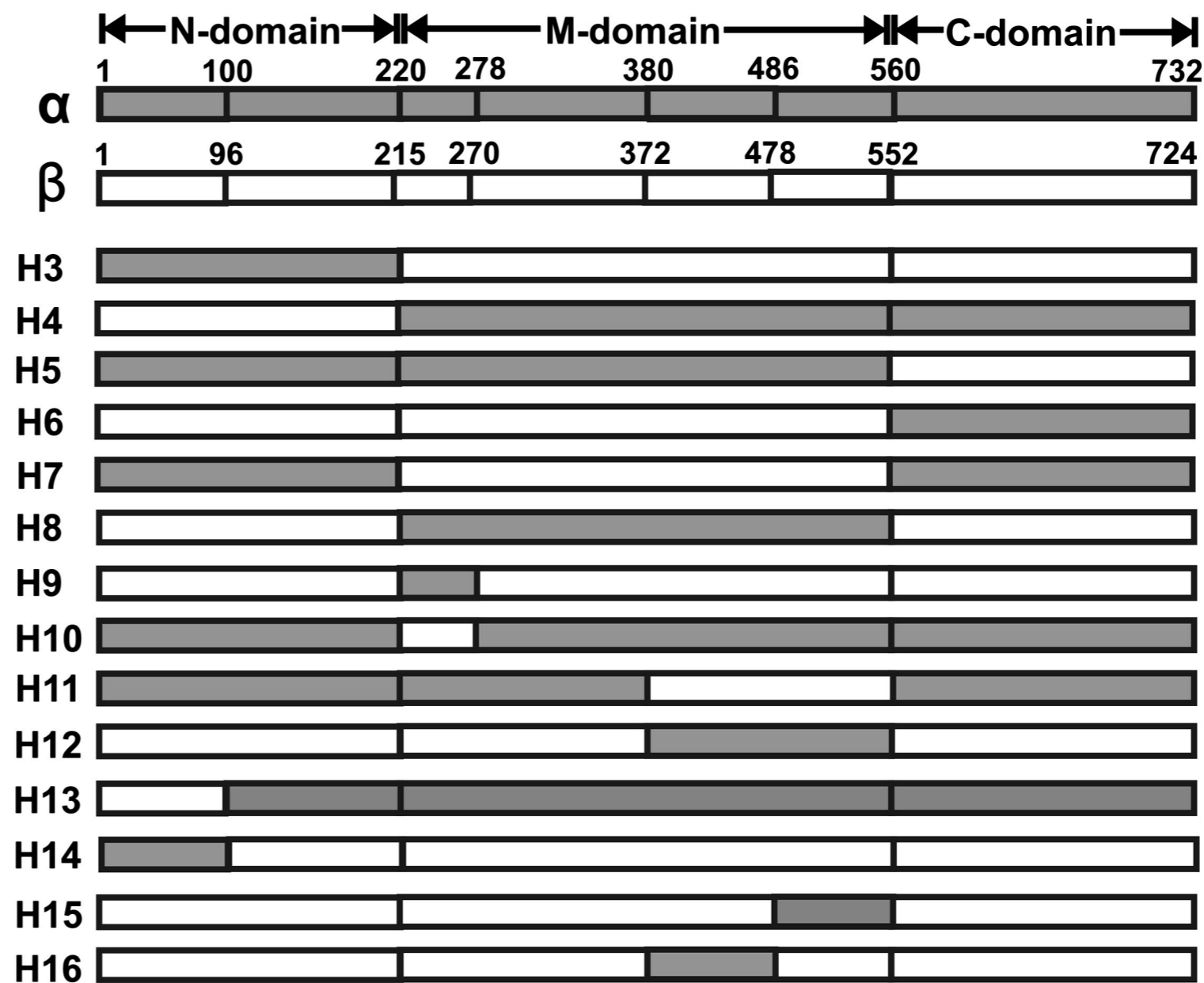
Reporter gene

Promoter, splice, PolyA
- CMV promoter
- T7 Promoter binding site/ priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early polyA signal
- pUC origin

Comments -HSP90 protein holds a pointed mutation (I123T) which makes HSP90 17-AAG resistant

- for the plasmid map please refer to either original map of 2635 plasmid number or 2636 plasmid number

Reference - Kamil Synoradzki, Pawel Bieganowski.2014 biochimica et biophysica acta



Construct number
Constructed by Bieganowski lab

Date entered 26.5.16
Date constructed

PLASMID NAME

pFlag-HSP90hybrid (H8)

bacterial marker Amp	parent vector pcDNA3
vertebrate marker Neo (G418)	bacterial plasmid pUC
eukaryotic replicon SV40 ori	other relevant source constructs pFlag-HSP90alpha(H2) pFlag-HSP90beta(H1)

Inserts Flag tag fused to human HSP90 beta
M-domain was swapped with M-domain of HSP90 alpha

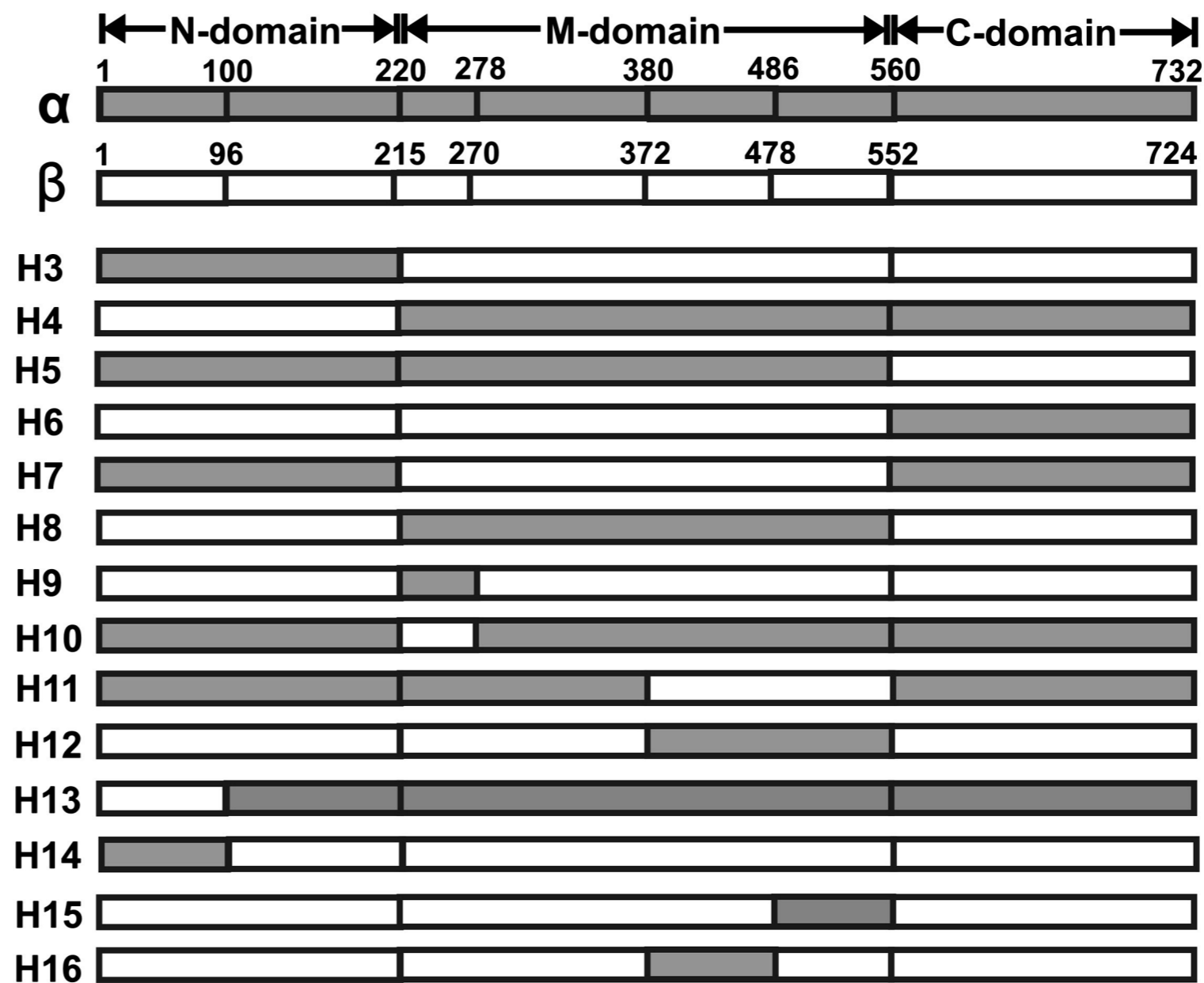
Reporter gene

Promoter, splice, PolyA
- CMV promoter
- T7 Promoter binding site/ priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early polyA signal
- pUC origin

Comments -HSP90 protein holds a pointed mutation (I123T) which makes HSP90 17-AAG resistant

- for the plasmid map please refer to either original map of 2635 plasmid number or 2636 plasmid number

Reference - Kamil Synoradzki, Pawel Bieganowski.2014 biochimica et biophysica acta



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Diana Wider

Date entered 27.5.16
 Date constructed 05.2016

PLASMID NAME

p2HG/Trap1.EGFP

bacterial marker Amp	parent vector p2HG
yeast marker HIS3	bacterial plasmid pBLUESCRIPT
eucaryotic replicon 2 μ circle	other relevant source constructs

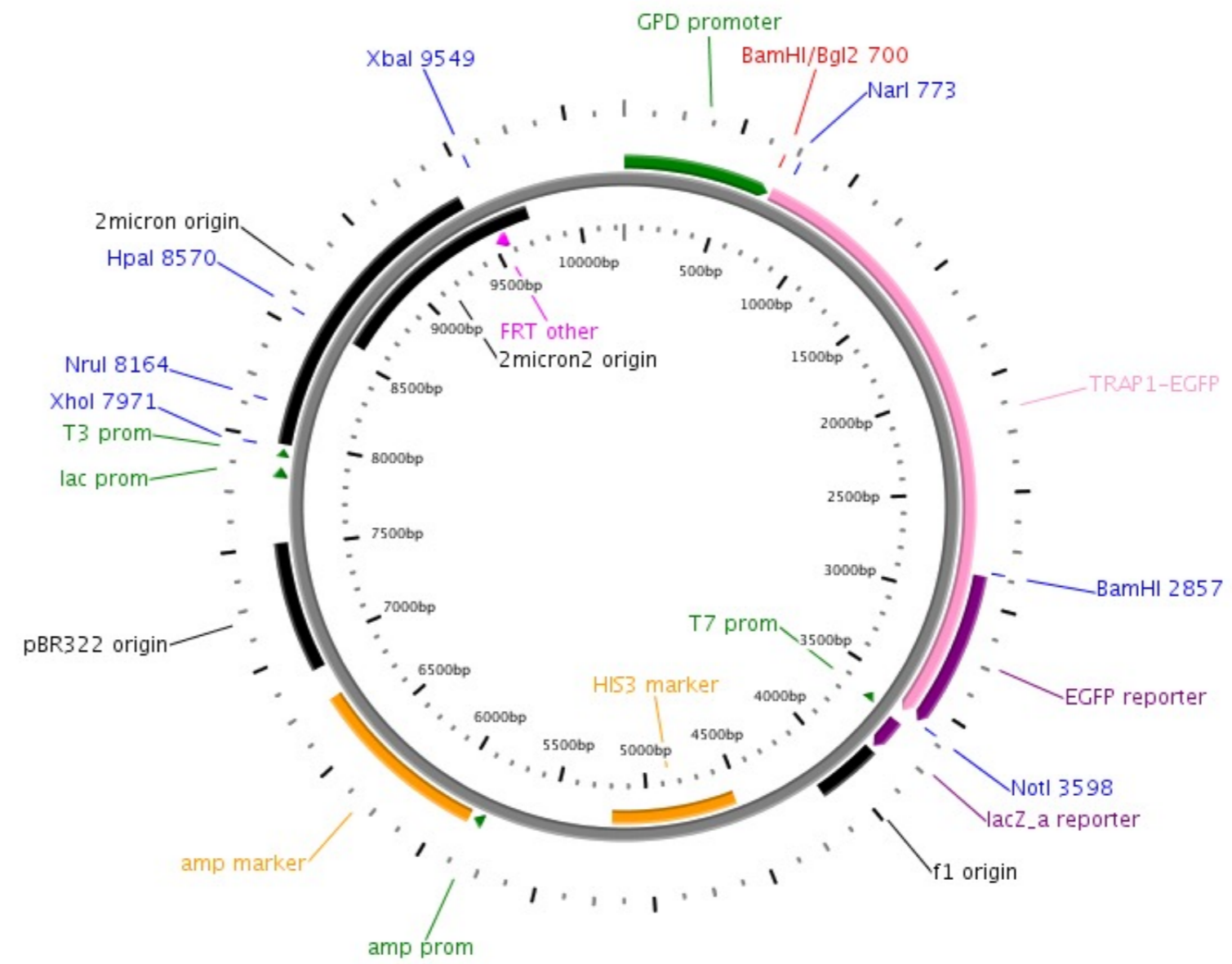
Inserts Trap1 (with its original mitochondrial targeting signal) fused to EGFP

Reporter gene

Promoter, splice, PolyA GPD

Comments sequence available

Reference



Construct number
Constructed by Addgene

Date entered 22.6.16
Date constructed

PLASMID NAME

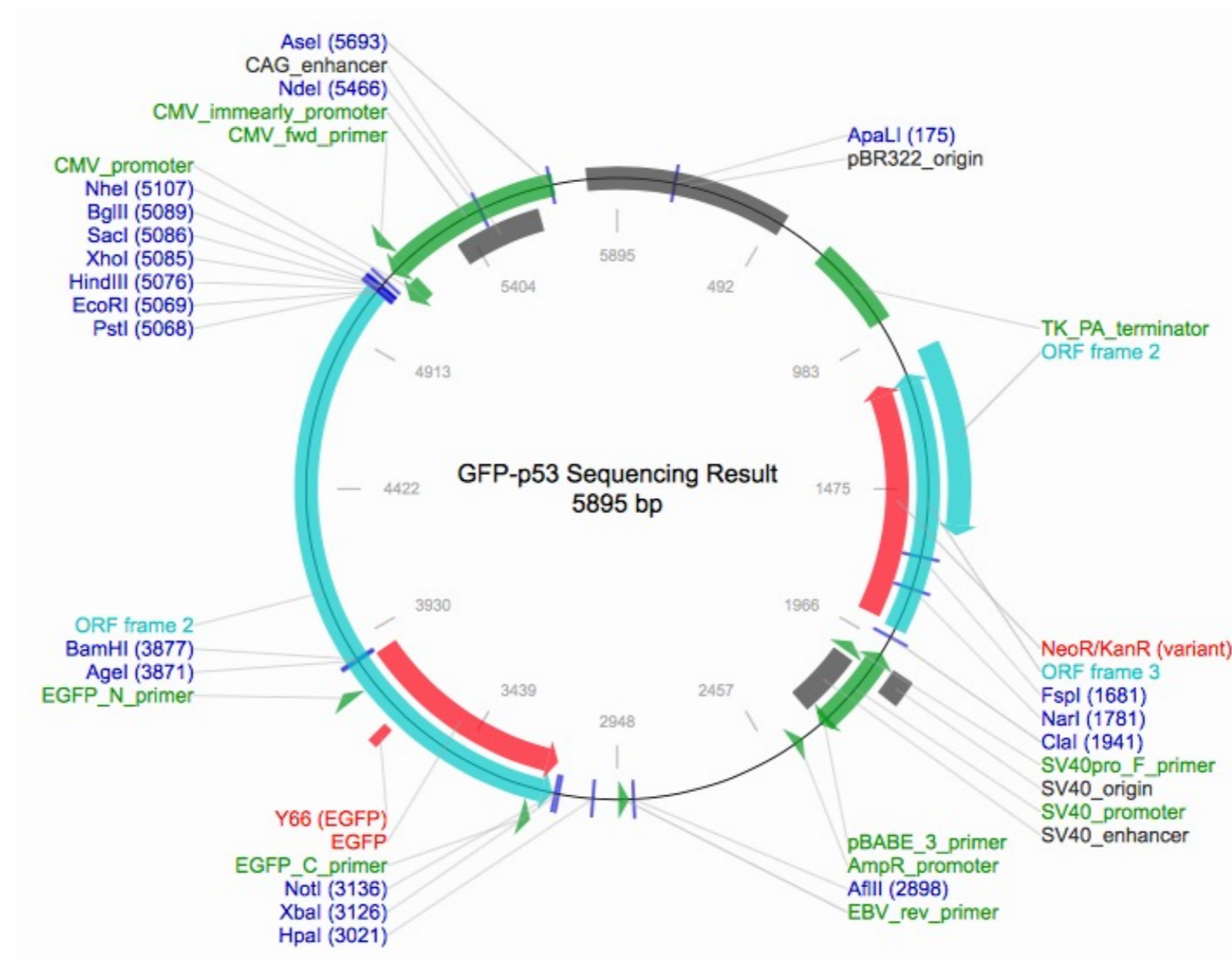
GFP-p53

bacterial marker Kan	parent vector pEGFP-N1
vertebrate marker Neo (G418)	bacterial plasmid pUC
eucaryotic replicon SV40 ori	other relevant source constructs

Inserts Human p53 fused to N-terminus of EGFP
Reporter gene <input type="text"/>
Promoter, splice, PolyA - CMV enhancer and promoter - SV40 poly A

Comments - Careful: this plasmid does *not* have the Amp resistance!!!
- sequence available
- plasmid from Addgene (ID 12091)

Reference Boyd et al. (2000) Nat. Cell Biol. 2:563-8



Construct number 2645

Date entered 23.6.16

Constructed by Alain Puisieux' lab

Date constructed

PLASMID NAME

pBABE-puro/HA-mZeb1

bacterial marker Amp

vertebrate marker Puromycin

eukaryotic replicon SV40 ori

parent vector

pBabe-puro

bacterial plasmid

high copy

other relevant source constructs

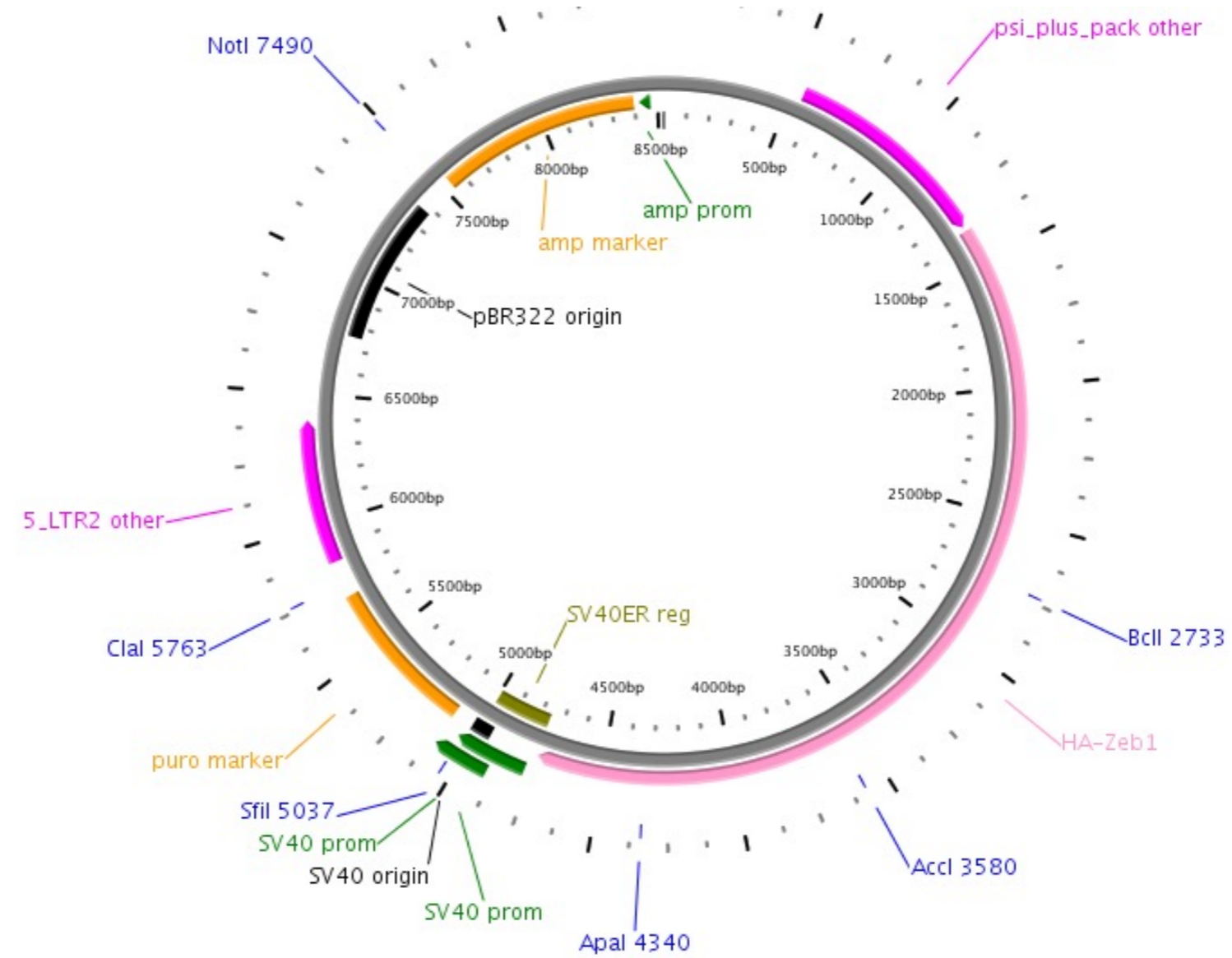
Inserts Mouse Zeb1 with HA tag

Reporter gene

Promoter, splice, PolyA - Moloney murine leukemia virus LTR

Comments - retroviral vector
- sequence available

Reference for parent vector: Morgenstern & Land (90) NAR 18, 3587-3596



Construct number 2646

Date entered 23.6.16

Constructed by Alain Puisieux' lab

Date constructed

PLASMID NAME

pTRIPZ-puro/HA-mZeb1

<u>bacterial marker</u> Amp	<u>parent vector</u> pTRIPZ
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u> pBabe-puro/HA-mZeb1

Inserts

- Mouse Zeb1 with HA tag
- Ubc promoter driving expression of rTA3
- IRES followed by puromycin resistance cassette

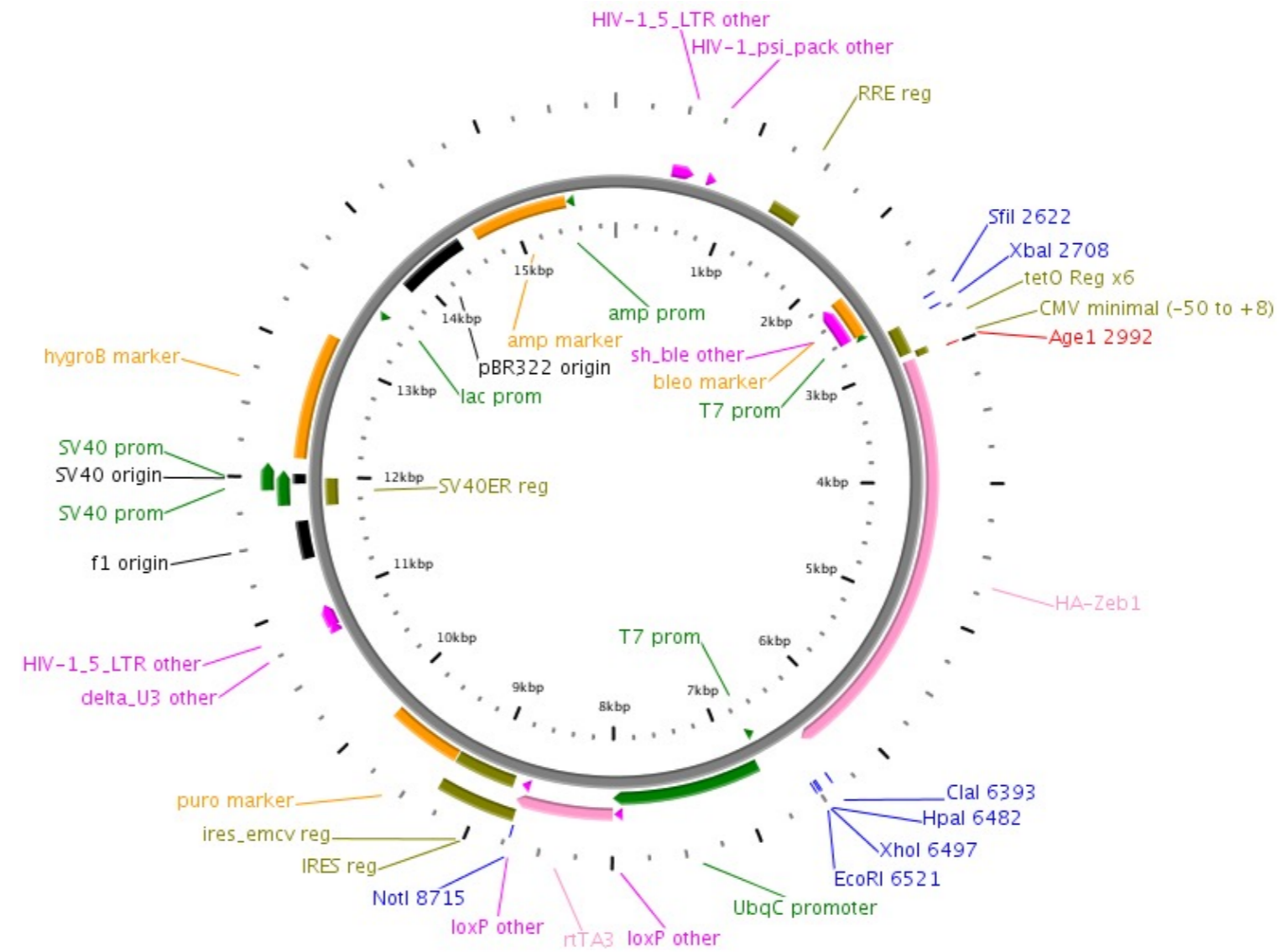
Reporter gene

Promoter, - EM7 promoter with multiple copies of Tet operator
splice, - T7
PolyA

Comments

- lentiviral vector
- contains mZeb1 instead of TurboRFP
- the vector is based on tet-on system (very tight regulation with 1ug/ul of doxycycline). **Very very good backbone for transient/stable expression of proteins (AgeI/XhoI sites).**

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.6.16

Constructed by Abhinav Joshi

Date constructed

PLASMID NAME

pSpCas9(BB)-2A-Puro + TRAP1 CRISPR gRNA

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pSpCas9(BB)-2A-Puro (PX459)

bacterial plasmid

other relevant source constructs

Inserts This PX 459 vector has the following TRAP1 sgRNA insert at the Bbs1/Bpi1 site -

5' GTTCTACCGCTACGTCGCGC 3'

This sgRNA targets both TRAP1 splice variants.

CELLS SHOULD BE SCREENED WITH PUROMYCIN!!!!

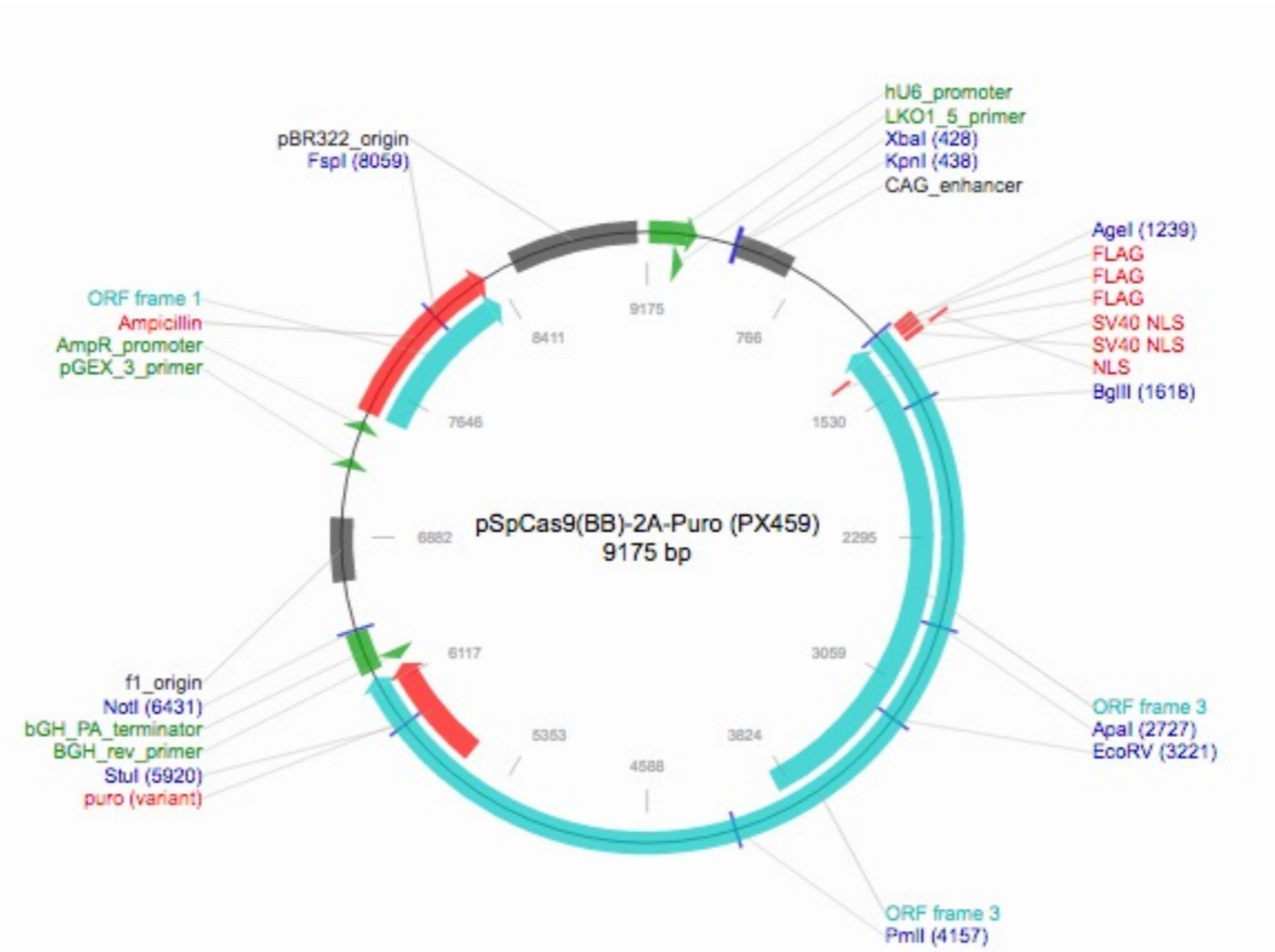
Reporter gene

Promoter,
splice,
PolyA

Comments MAMMALIAN CELL SELECTION MARKER - PUROMYCIN

BEST TRAP1 CRISPR SGRNA

Reference Joshi et al. (2020) BMC Biol. 18, 10.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.6.16

Constructed by Abhinav Joshi

Date constructed

PLASMID NAME

pSpCas9(BB)-2A-GFP + TRAP1 CRISPR gRNA

bacterial marker Amp	parent vector pSpCas9(BB)-2A-GFP (PX458)
	bacterial plasmid
	other relevant source constructs

Inserts This PX 458 vector has the following TRAP1 sgRNA insert at the Bbs1/Bpi1 site -
5' GTTCTACCGCTACGTCGCGC 3'

This sgRNA targets both TRAP1 splice variants.
Complete protocol to switch/insert new gRNA -
Ran FA, Hsu PD, Wright J, Agarwala V, Scott DA, Zhang F. Genome engineering using the CRISPR-Cas9 system. Nature protocols. 2013;8(11):2281-2308. doi:10.1038/nprot.2013.143.

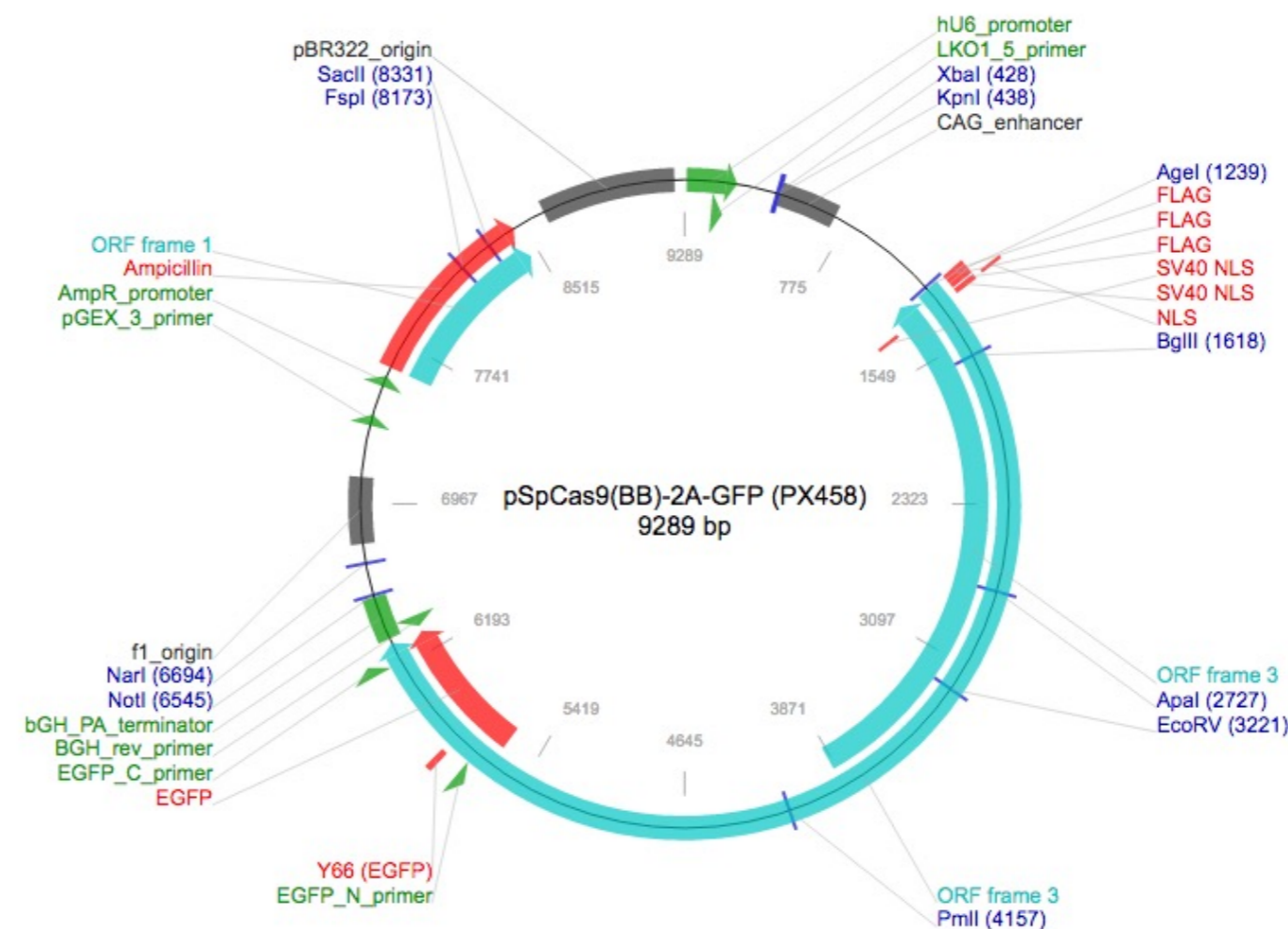
Reporter gene

**Promoter,
splice,
PolyA**

Comments This plasmid is suitable for CRISPR using FACs sorting. Single cells can be put into 96 well plates because of GFP marker.

NO PUROMYCIN HERE!

Reference Joshi et al. (2020) BMC Biol. 18, 10.



Construct number
Constructed by Crabtree lab

Date entered 20.7.16
Date constructed

PLASMID NAME

SV-ABAActDA

bacterial marker Amp	parent vector pUC
	bacterial plasmid pUC
	other relevant source constructs
eukaryotic replicon SV40 ori	

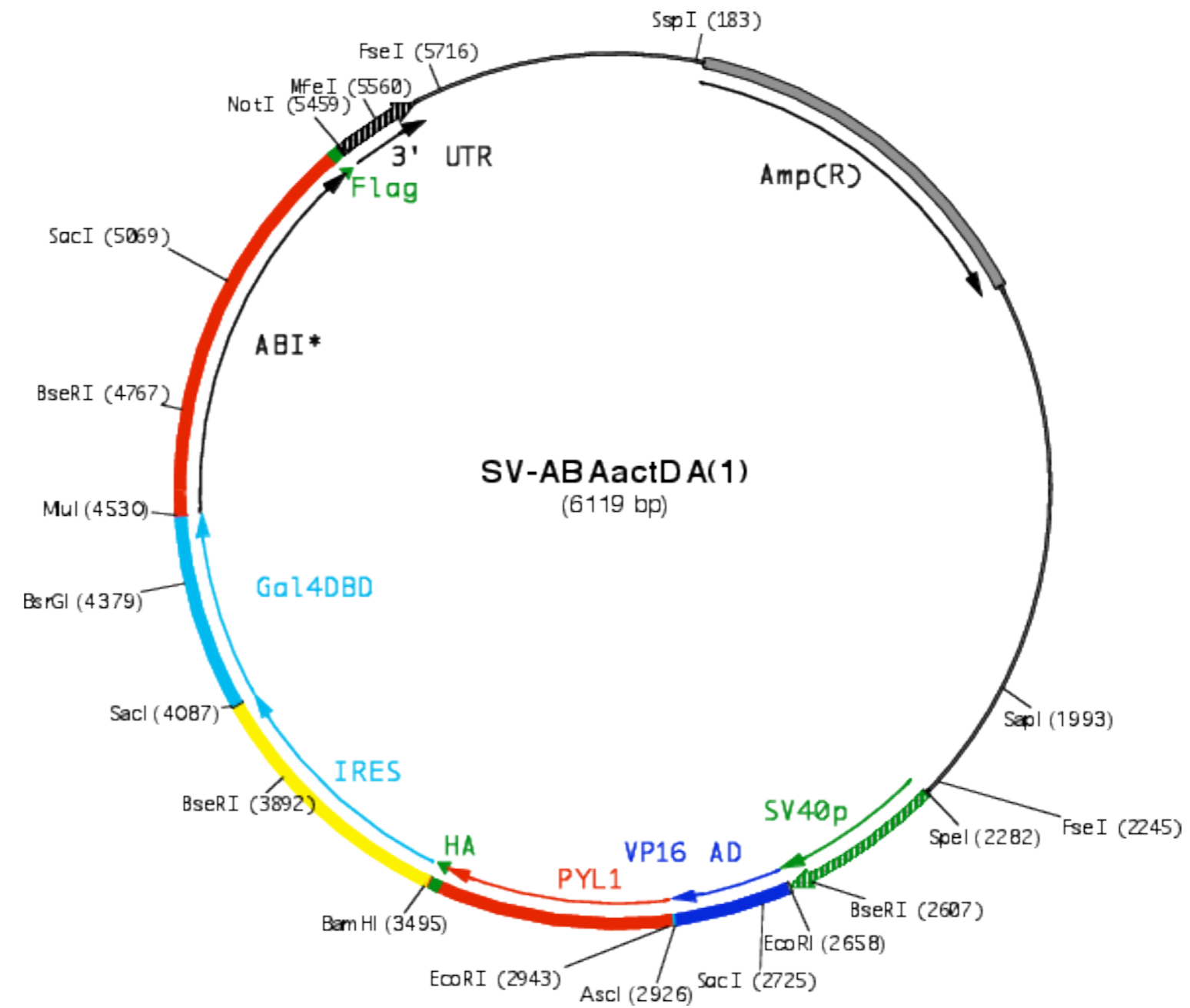
Inserts
- VP16 activation domain fused to PYL1 AA 33-209 and HA tag
- IRES
- Gal4 DBD fused to ABI1 AA 126-423 (with catalytically dead mutant D143A) with C-terminal Flag tag

Reporter gene

Promoter, splice, PolyA
- SV40 enhancer, early promoter

Comments
- plasmid #38247 from Addgene
- PYL1 and ABI1 are from Arabidopsis thaliana and interact in the presence of abscisic acid

Reference Liang et al. (2011) Sci. Signal. 4 (164) rs2



Construct number 2651

Date entered 22.8.16

Constructed by Dan Bolon lab

Date constructed

PLASMID NAME

p414GPD 6xHis-Hsp90(WT)viiB

bacterial marker Amp	parent vector pRS414
yeast marker TRP1	bacterial plasmid BS
eukaryotic replicon CEN/ARS	other relevant source constructs

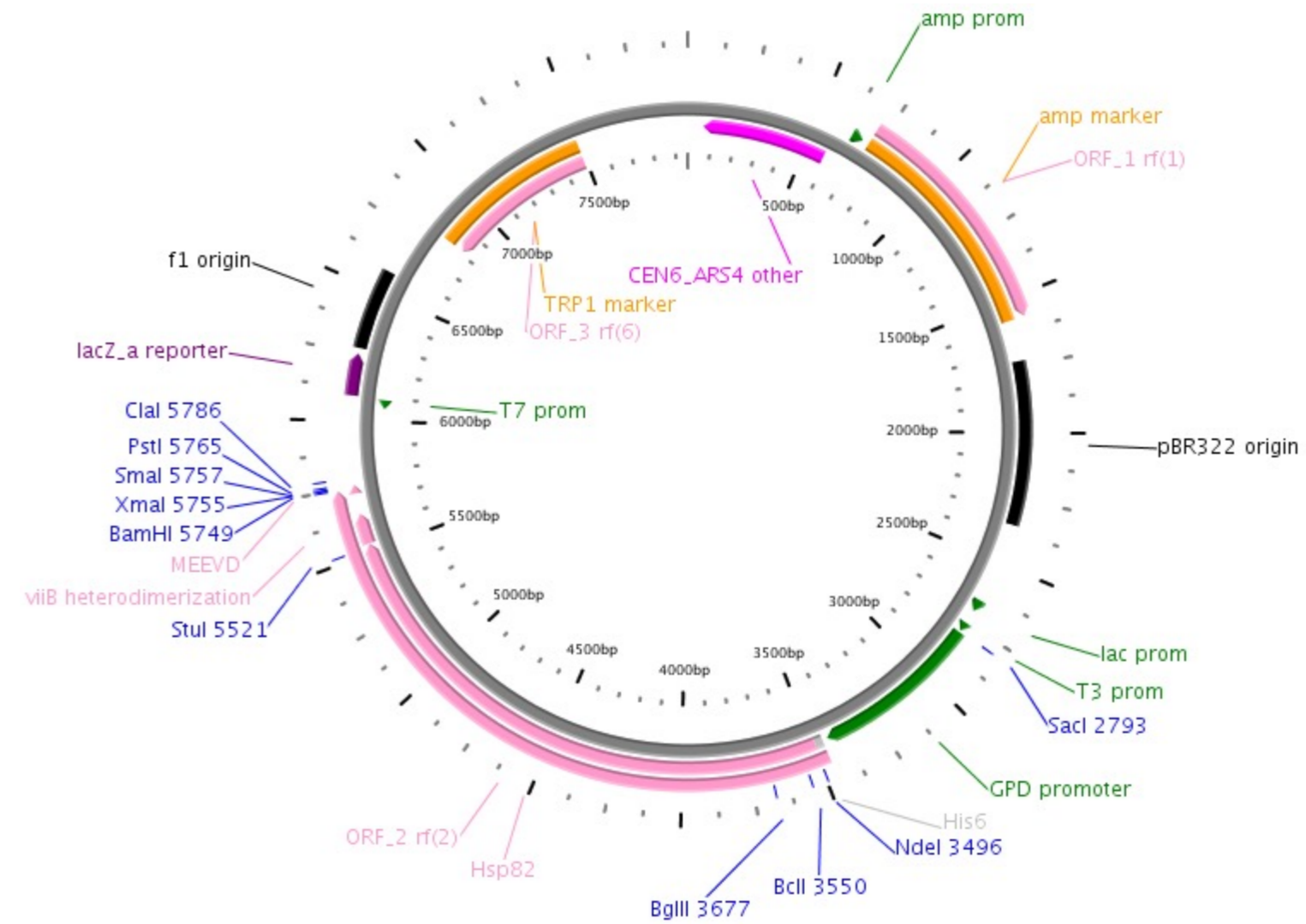
Inserts His6-tagged yeast Hsp82 fused to viiB coiled-coil heterodimerization sequence (GGTSSVKELEDKNEELLSELAHLKNEVARLKKLVGERTG)

Reporter gene

Promoter, - GPD
splice, - Cyc1 terminator
PolyA

Comments - sequence available

Reference Mishra and Bolon (2014) Mol. Cell 53, 344



Construct number 2652

Date entered 22.8.16

Constructed by Dan Bolon lab

Date constructed

PLASMID NAME

HOHO2 Tef 6xHis-Hsp90(WT)viiA

bacterial marker Amp	parent vector
yeast marker HIS3	bacterial plasmid BS
eukaryotic replicon	other relevant source constructs

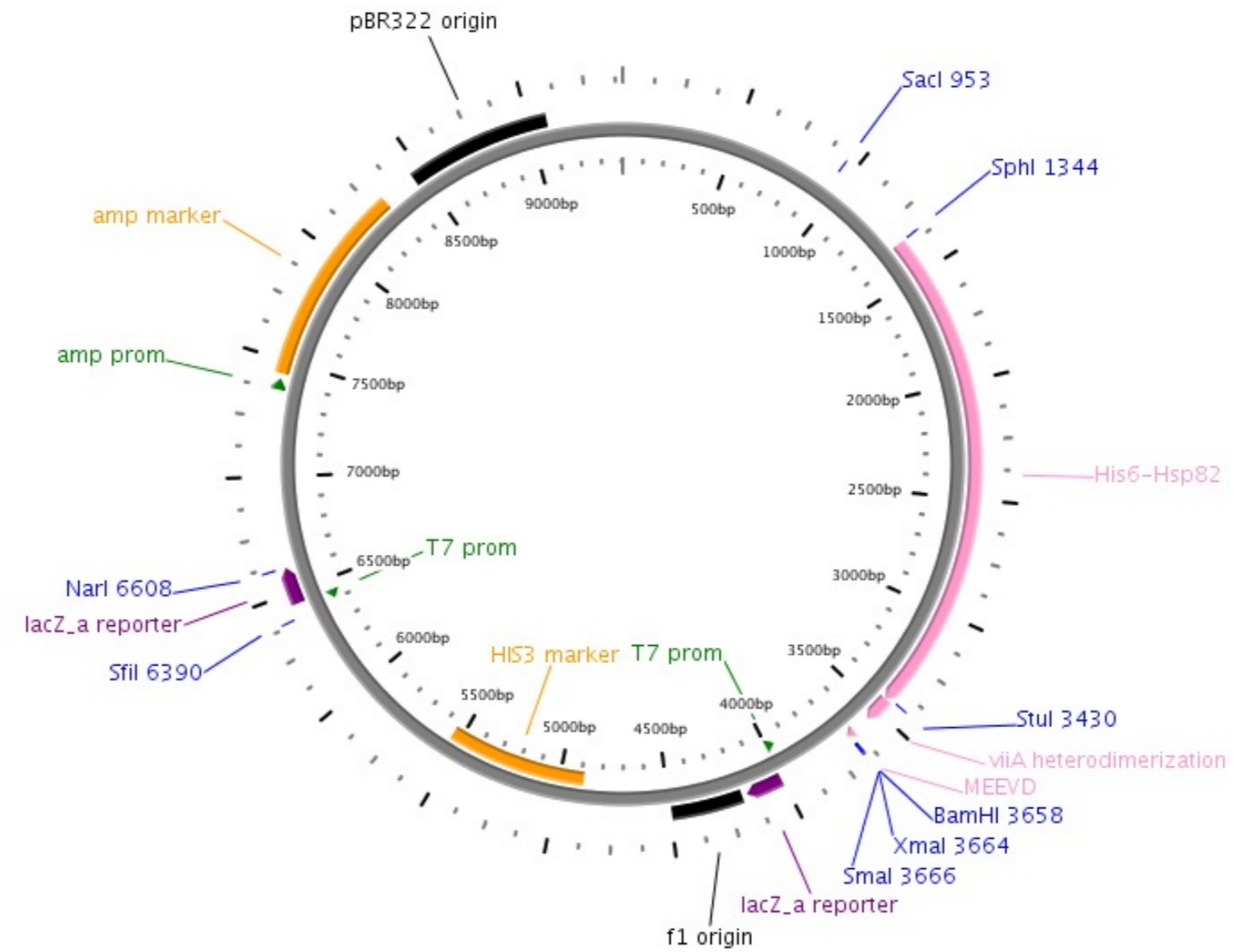
Inserts His6-tagged yeast Hsp82 fused to viiA coiled-coil heterodimerization sequence (GGTSSVKELEDKNEELLSRIAHERNEVARLKKLVGERTG)

Reporter gene

Promoter, splice, PolyA - Cyc1 terminator

Comments - sequence available
- plasmid for integration at HO locus (?)

Reference Mishra and Bolon (2014) Mol. Cell 53, 344



Construct number

Date entered 23.8.16

Constructed by Addgene

Date constructed

PLASMID NAME

LPC-flag-REST-WT

alternative name

NRSF: Neuron-restrictive silencing factor

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLPC

bacterial plasmid

other relevant source constructs

Inserts

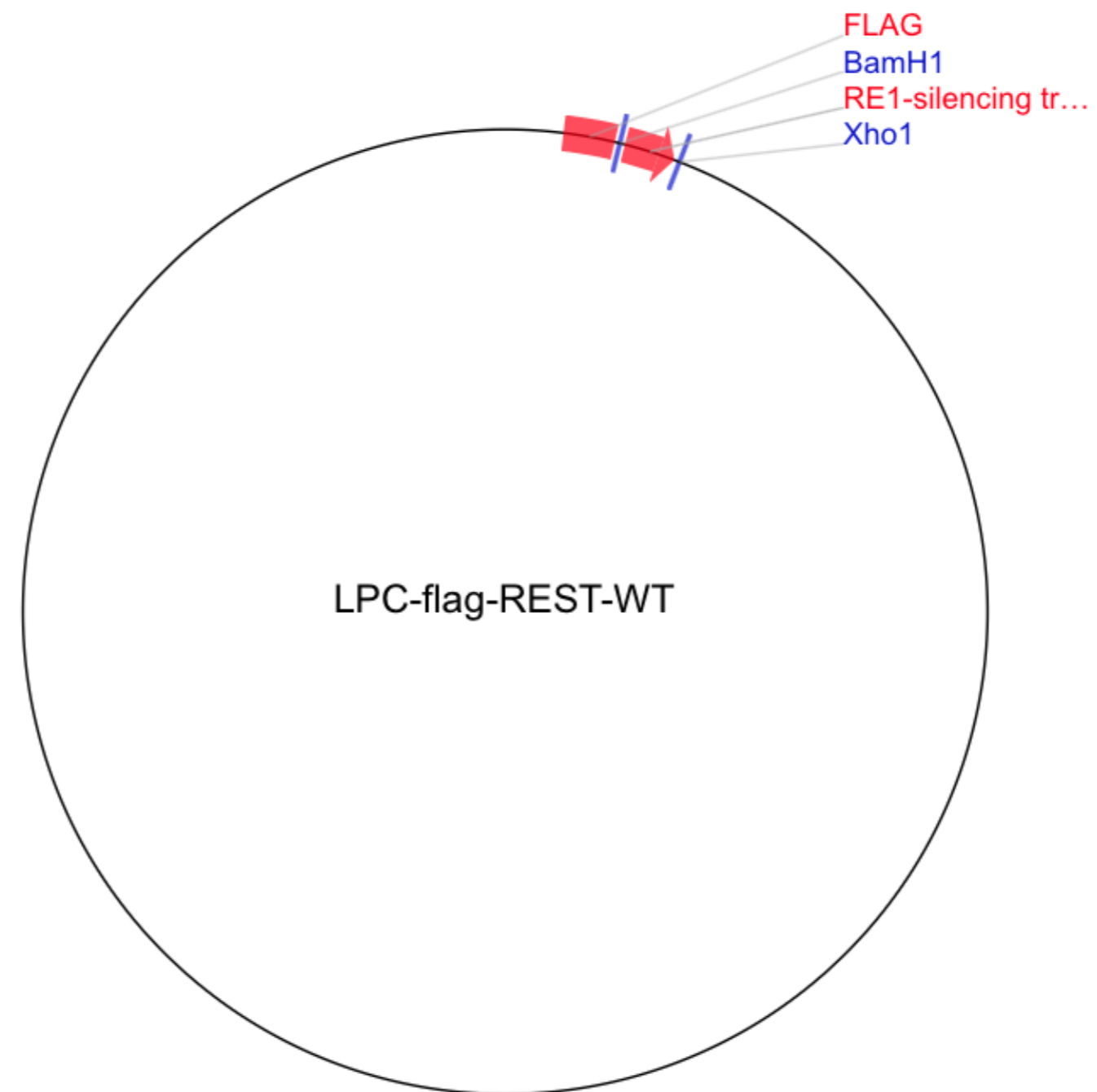
The human RE1-silencing transcription factor was cloned between the BamH1 (5') and Xho1 (3') cloning sites with an N-terminal Flag tag.

Reporter gene

Promoter, splice, PolyA
CMV promoter

Comments High copy, growth strain DH5 alpha.

Reference (Plasmid #41903) Addgene



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Lotfi Hadjas

Date entered 6.9.16
 Date constructed

PLASMID NAME

pSTREP-AARSD1

<u>bacterial marker</u> Amp	<u>parent vector</u> pcDNA3.1(+)
<u>vertebrate marker</u> Neo (G418)	<u>bacterial plasmid</u> pUC
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

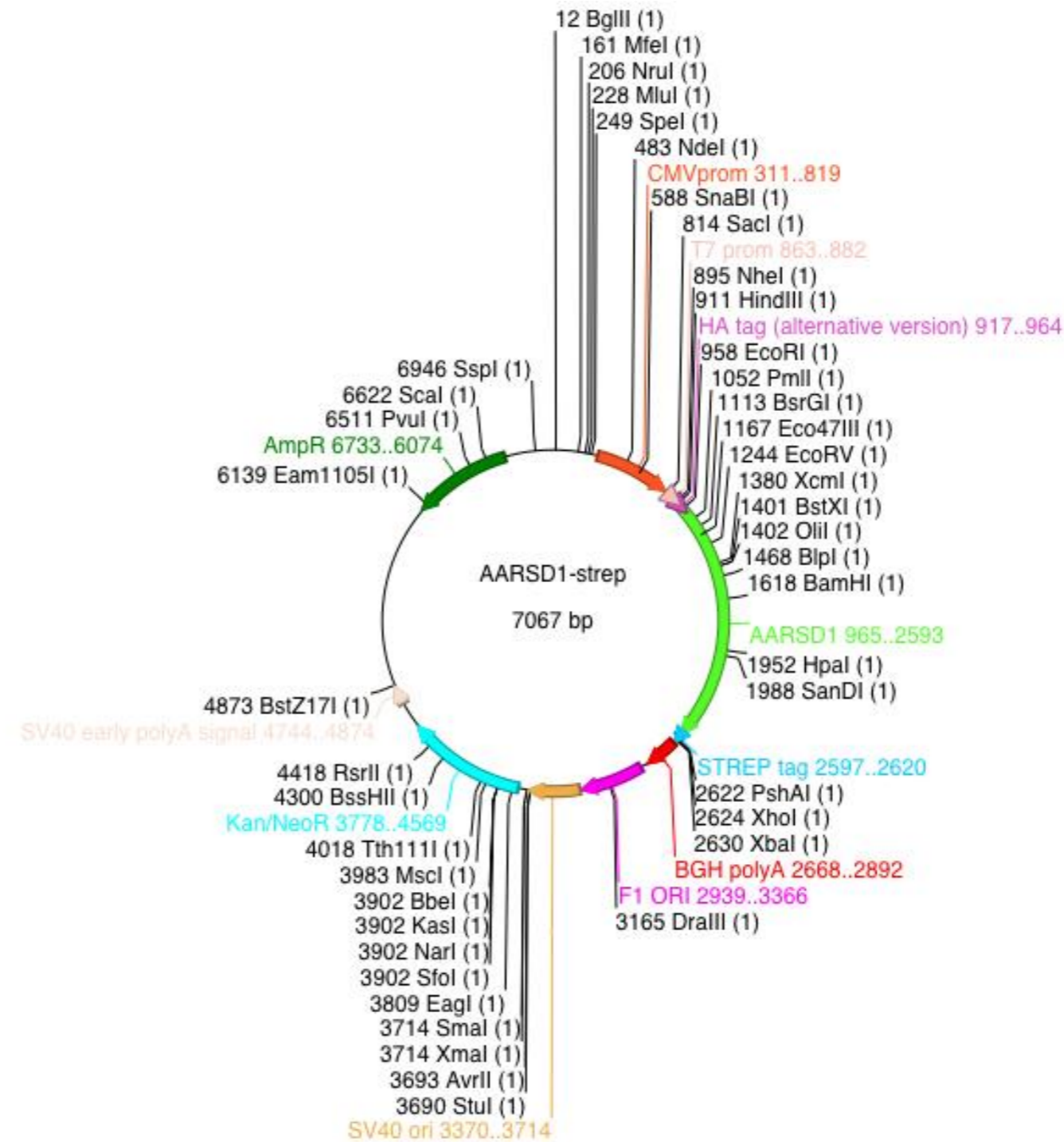
Inserts Human HA-tagged AARSD1 with C-terminal Strep tag

Reporter gene

Promoter, - CMV enhancer promoter
splice, - T7 promoter binding site/ priming site
PolyA - BGH polyA sequence

Comments - sequence available
 - not the standard HA tag!!!
 - NOTE THAT OUR CURRENT DNA PREP (FROM A SINGLE COLONY)
 DOES NOT YIELD A CLEAN SEQUENCE. BETTER USE THE ORIGINAL
 HA-AARSD1L

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 19.9.16

Constructed by Lila

Date constructed 19.9.16

PLASMID NAME

p_MITO_EYFP_EcoRI

<u>bacterial marker</u> Kan	<u>parent vector</u> pEXFP
<u>vertebrate marker</u> Neo (G418)	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

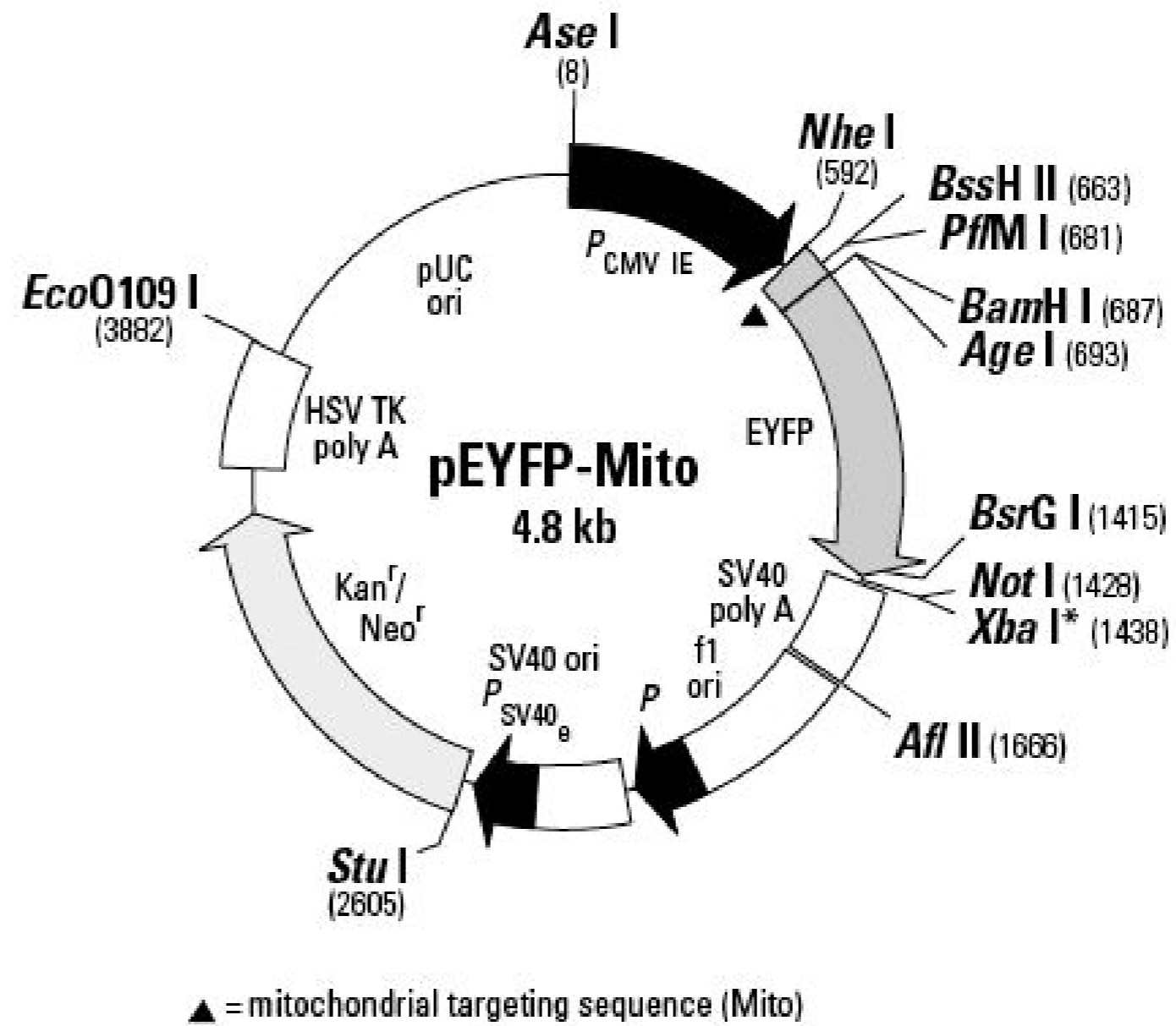
Inserts EcoRI ORF (from plasmid VA Eco GR (Didier's collection)) inserted at the BsrGI site of pasmid 1944 of the database

Reporter gene

Promoter, splice, PolyA CMV

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.10.16

Constructed by Lab Prof. Avvedimento (Naples)

Date constructed

PLASMID NAME

LSD1 wild type

bacterial marker Amp

parent vector
p3xFlag-CMV-7.1 (Sigma)
bacterial plasmid

other relevant source constructs

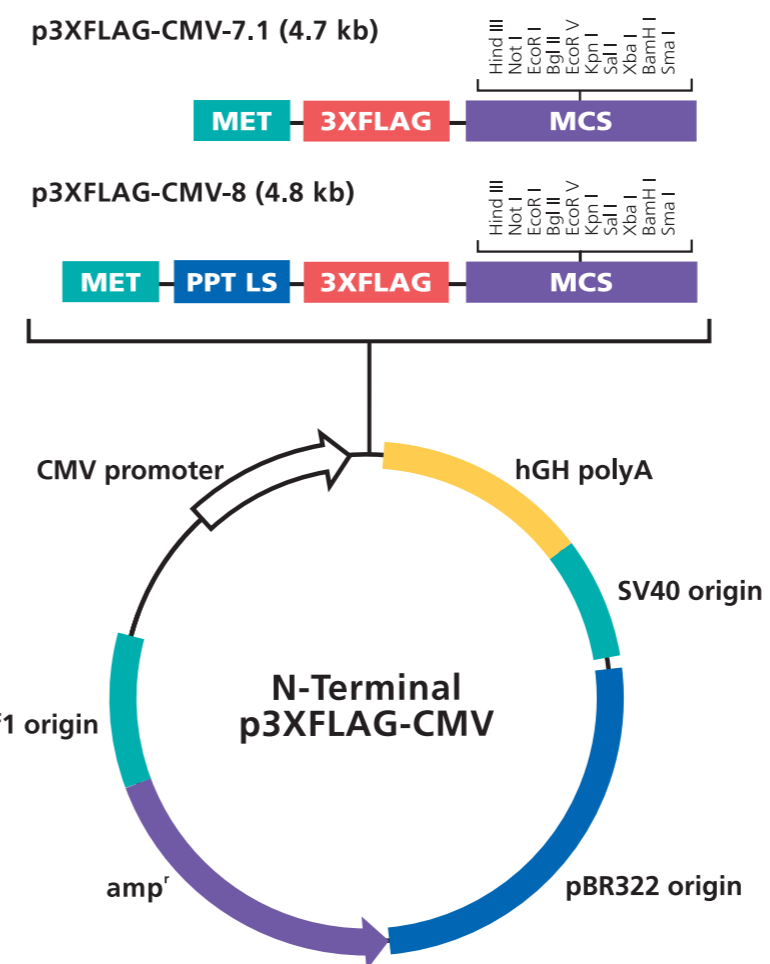
Inserts Flag epitope fused to full-length human LSD1 (wild-type).

Reporter gene

Promoter, splice, PolyA CMV

Comments

Reference



Multiple Cloning Site

(p3XFLAG-CMV-7.1 and p3XFLAG-CMV-8)

3XFLAG Peptide Sequence

Met* Asp Tyr Lys Asp His Asp Gyl Asp Tyr Lys Asp His Asp Ile

ACC ATG GAC TAC AAA GAC CAT GAC GGT GAT TAT AAA GAT CAT GAC ATC

TGG TAC CTG ATG TTT CTG GTA CTG CCA CTA ATA TTT CTA GTA CTG TAG

3XFLAG Peptide Sequence

Asp Tyr Lys Asp Asp Asp Asp Lys

GAT TAC AAG GAT GAC GAT GAC AAG CTT GCG GCC GCG AAT TCA TCG

CTA ATG TTC CTA CTG CTA CTG TTC GAA CGC CGG CGC TTA AGT AGC

Hind III

Bgl II EcoR V Kpn I Sal I Xba I BamH I Sma I

ATA GAT CTG ATA TCG GTA CCA GTC GAC TCT AGA GGA TCC CGG GT

TAT CTA GAC TAT AGC CAT GGT CAG CTG AGA TCT CCT AGG GGC CA

*For p3XFLAG-CMV-8, the Met-preprotrypsin leader sequence (PPT LS) precedes the FLAG coding sequence.

DIDIER PICARD LAB, University of Geneva

Construct number

2657

Date entered

7.10.16

Constructed by

Lab. Prof. Avvedimento (Naples)

Date constructed

PLASMID NAME

LSD1 (T110A)

bacterial marker Amp

parent vector
p3xFlag-CMV-7.1 (Sigma)
bacterial plasmid

other relevant source constructs

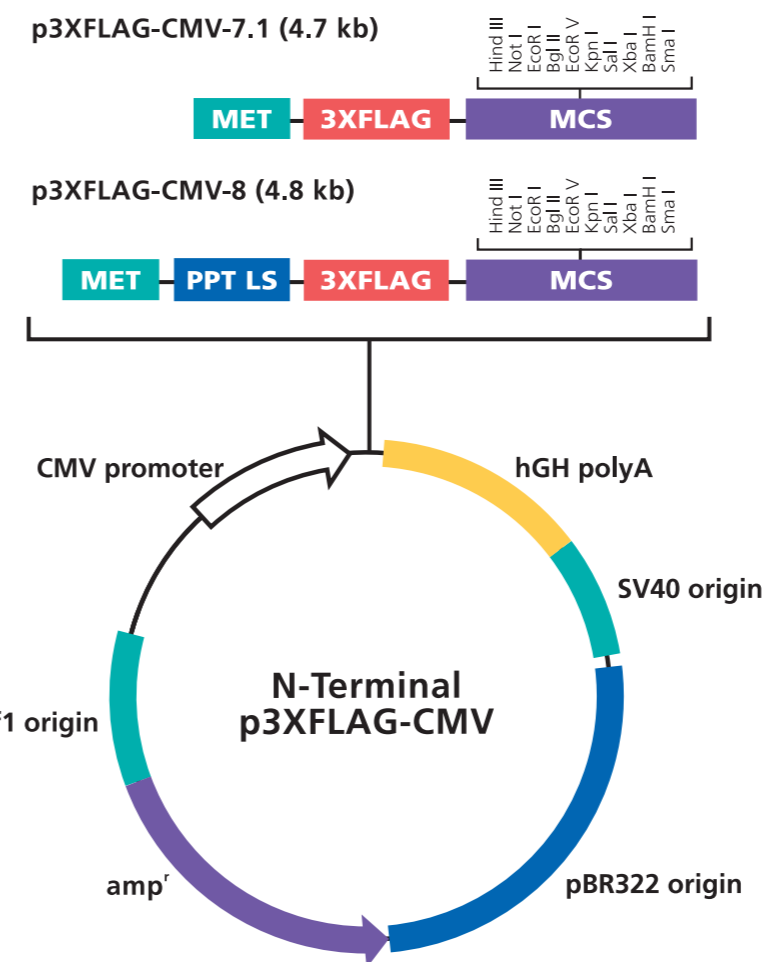
Inserts

Reporter gene

Promoter, splice, PolyA
CMV

Comments

Reference



Multiple Cloning Site

(p3XFLAG-CMV-7.1 and p3XFLAG-CMV-8)

3XFLAG Peptide Sequence

Met* Asp Tyr Lys Asp His Asp Gyl Asp Tyr Lys Asp His Asp Ile
 ACC ATG GAC TAC AAA GAC CAT GAC GGT GAT TAT AAA GAT CAT GAC ATC
 TGG TAC CTG ATG TTT CTG GTA CTG CCA CTA ATA TTT CTA GTA CTG TAG

3XFLAG Peptide Sequence

Asp Tyr Lys Asp Asp Asp Asp Lys Not I EcoR I
 GAT TAC AAG GAT GAC GAT GAC AAG CTT GCG GCC GCG AAT TCA TCG
 CTA ATG TTC CTA CTG CTA CTG TTC GAA CGC CGG CGC TTA AGT AGC
 Hind III

Bgl II EcoR V Kpn I Sal I Xba I BamH I Sma I
 ATA GAT CTG ATA TCG GTA CCA GTC GAC TCT AGA GGA TCC CGG GT
 TAT CTA GAC TAT AGC CAT GGT CAG CTG AGA TCT CCT AGG GGC CA

*For p3XFLAG-CMV-8, the Met-preprotrypsin leader sequence (PPT LS) precedes the FLAG coding sequence.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.10.16

Constructed by Lab. Prof. Avvedimento (Naples)

Date constructed

PLASMID NAME

LSD1 (T110D)

bacterial marker Amp

parent vector
p3xFlag-CMV-7.1 (Sigma)
bacterial plasmid

other relevant source constructs

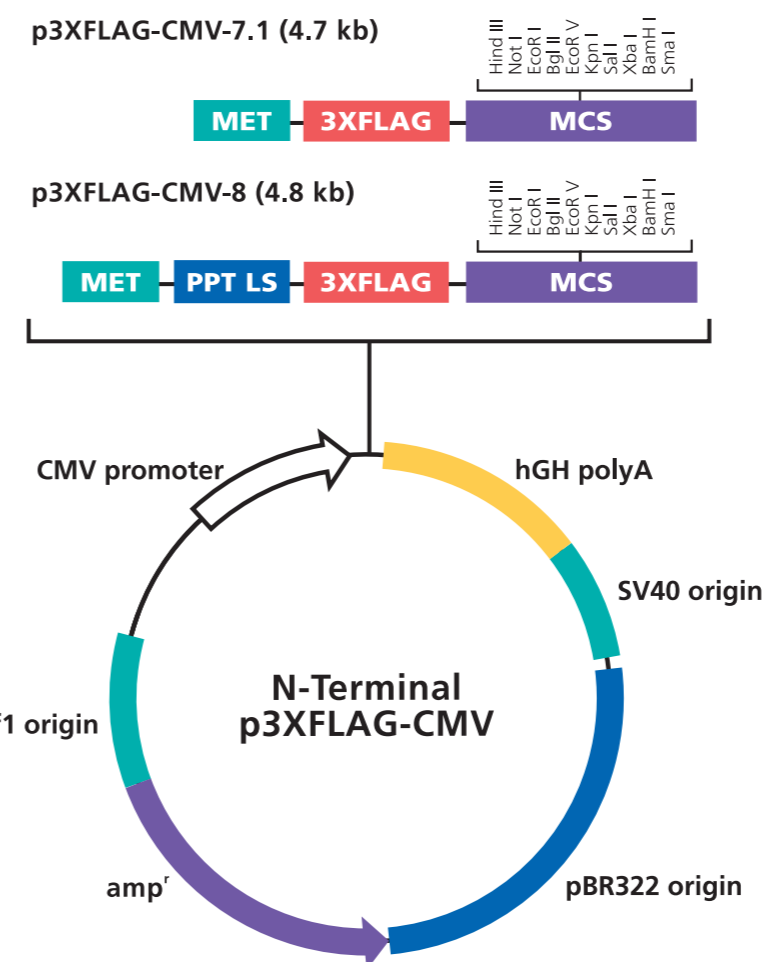
Inserts

Reporter gene

Promoter, splice, PolyA
CMV

Comments

Reference



Multiple Cloning Site
(p3XFLAG-CMV-7.1 and p3XFLAG-CMV-8)

3XFLAG Peptide Sequence

Met* Asp Tyr Lys Asp His Asp Gyl Asp Tyr Lys Asp His Asp Ile
 ACC ATG GAC TAC AAA GAC CAT GAC GGT GAT TAT AAA GAT CAT GAC ATC
 TGG TAC CTG ATG TTT CTG GTA CTG CCA CTA ATA TTT CTA GTA CTG TAG

3XFLAG Peptide Sequence

Asp Tyr Lys Asp Asp Asp Asp Lys Not I EcoR I
 GAT TAC AAG GAT GAC GAT GAC AAG CTT GCG GCC GCG AAT TCA TCG
 CTA ATG TTC CTA CTG CTA CTG TTC GAA CGC CGG CGC TTA AGT AGC
 Hind III

Bgl II EcoR V Kpn I Sal I Xba I BamH I Sma I
 ATA GAT CTG ATA TCG GTA CCA GTC GAC TCT AGA GGA TCC CGG GT
 TAT CTA GAC TAT AGC CAT GGT CAG CTG AGA TCT CCT AGG GGC CA

*For p3XFLAG-CMV-8, the Met-preprotrypsin leader sequence (PPT LS) precedes the FLAG coding sequence.

DIDIER PICARD LAB, University of Geneva

Construct number

2659

Date entered

26.10.16

Constructed by

Uwe Michel, University of Göttingen

Date constructed

PLASMID NAME

pSUPER-hSyn-EGFP-NRSEdsRNA

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

The neuronal restrictive silencing factor response element NRSE dsRNA.

Reporter gene

GFP

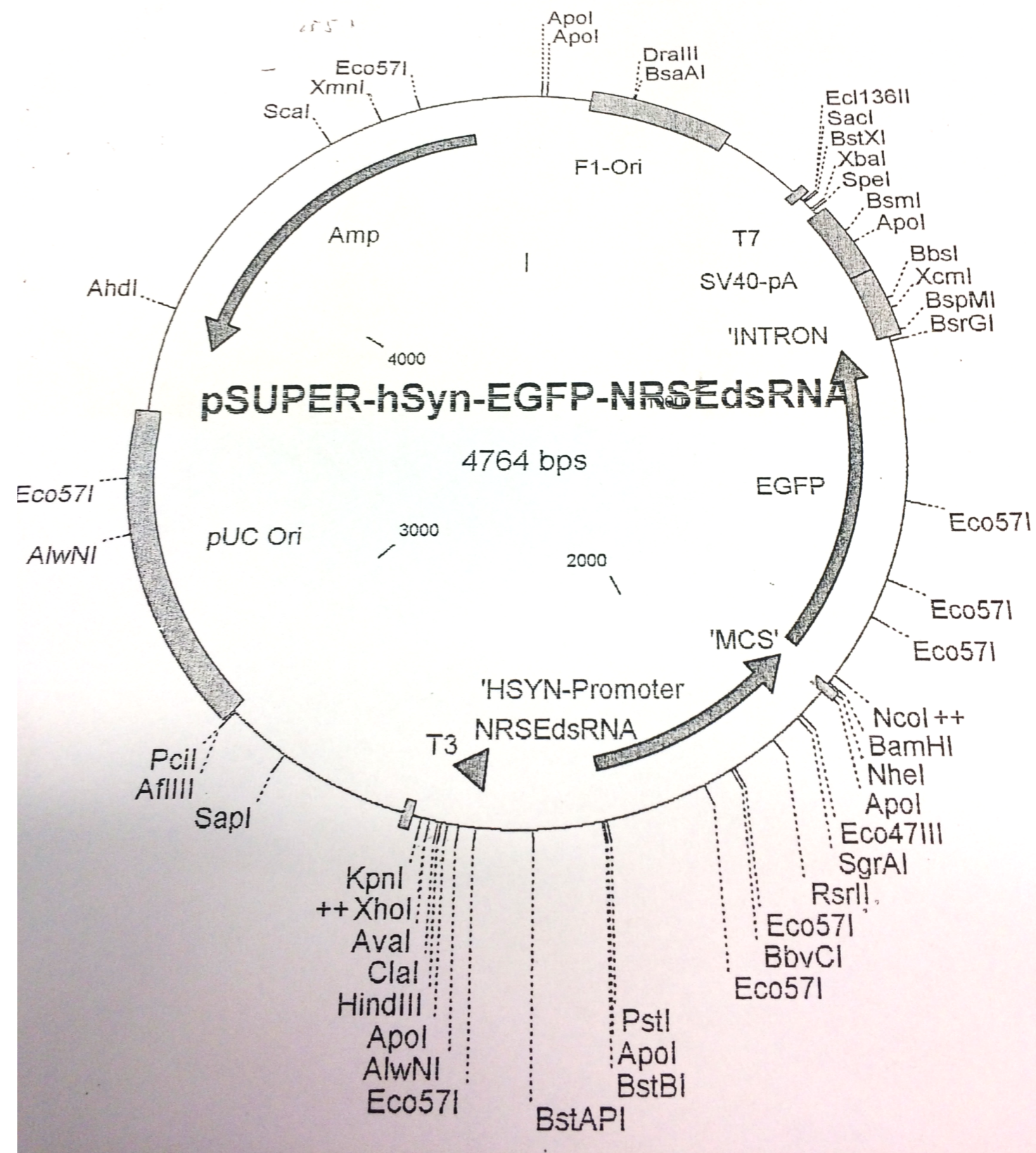
Promoter,
splice,
PolyA

hSYN-promoter

Comments

Reference

Koch JC, Barski E, Lingor P, Bahr M, Michel U. 2011. *Febs Journal* **278**: 3472-3483.



DIDIER PICARD LAB, University of Geneva

Construct number

2660

Date entered

26.10.16

Constructed by

Uwe Michel, University of Göttingen

Date constructed

PLASMID NAME

pAAV-sm9(5)-hSyn-luc-CytbAS

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

A reporter construct expressing luciferase from the human synapsin promoter

Reporter gene

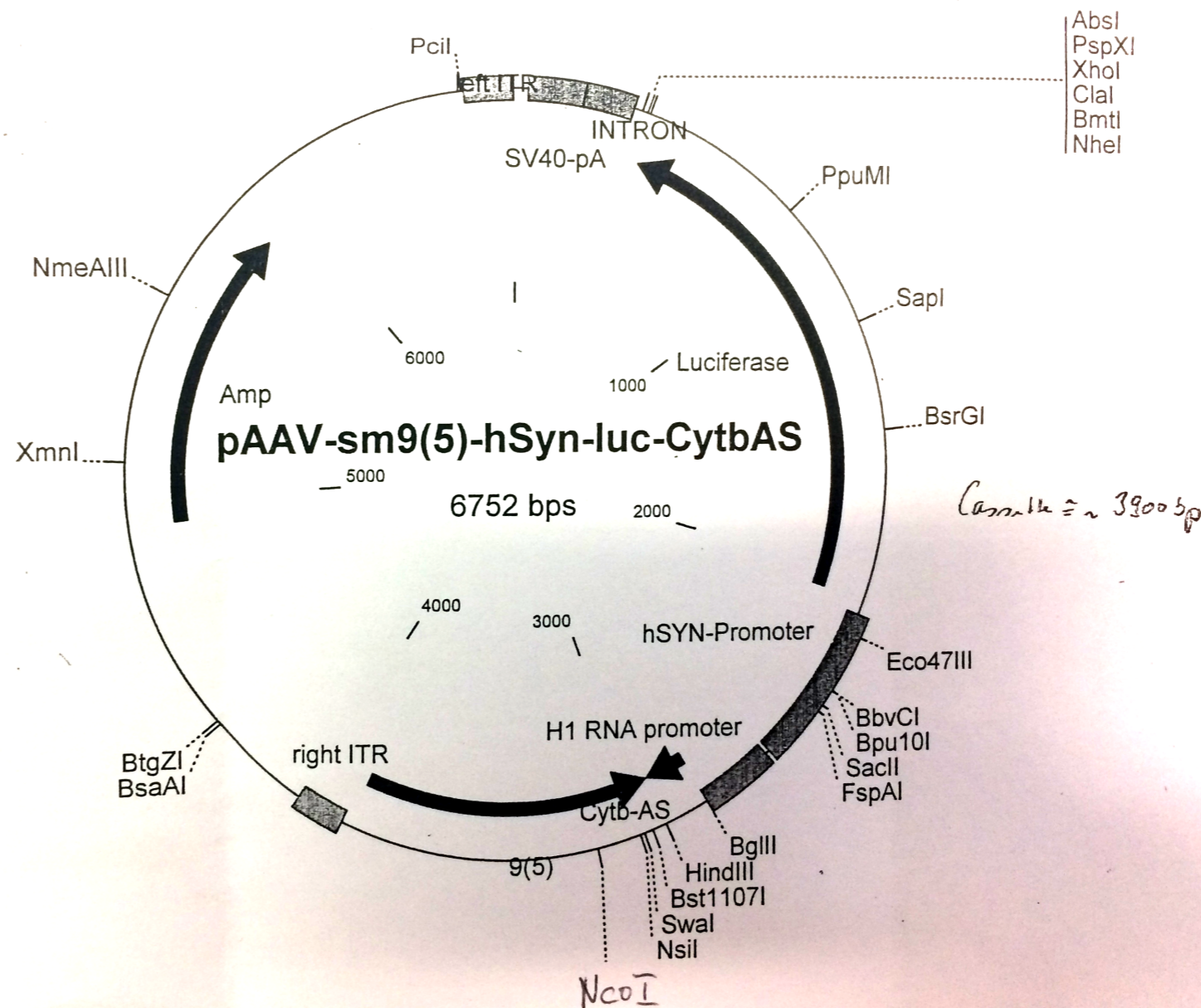
luciferase

Promoter,
splice,
PolyA

hSYN-Promoter

Comments Sequence OK!

Reference Koch JC, Barski E, Lingor P, Bahr M, Michel U. 2011. *Febs Journal* 278: 3472-3483.



DIDIER PICARD LAB, University of Geneva

Construct number

2661

Date entered

26.10.16

Constructed by

Uwe Michel, University of Göttingen

Date constructed

PLASMID NAME

pAAV-sm9(5)hSyn-delta-luc-CytbAS

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts

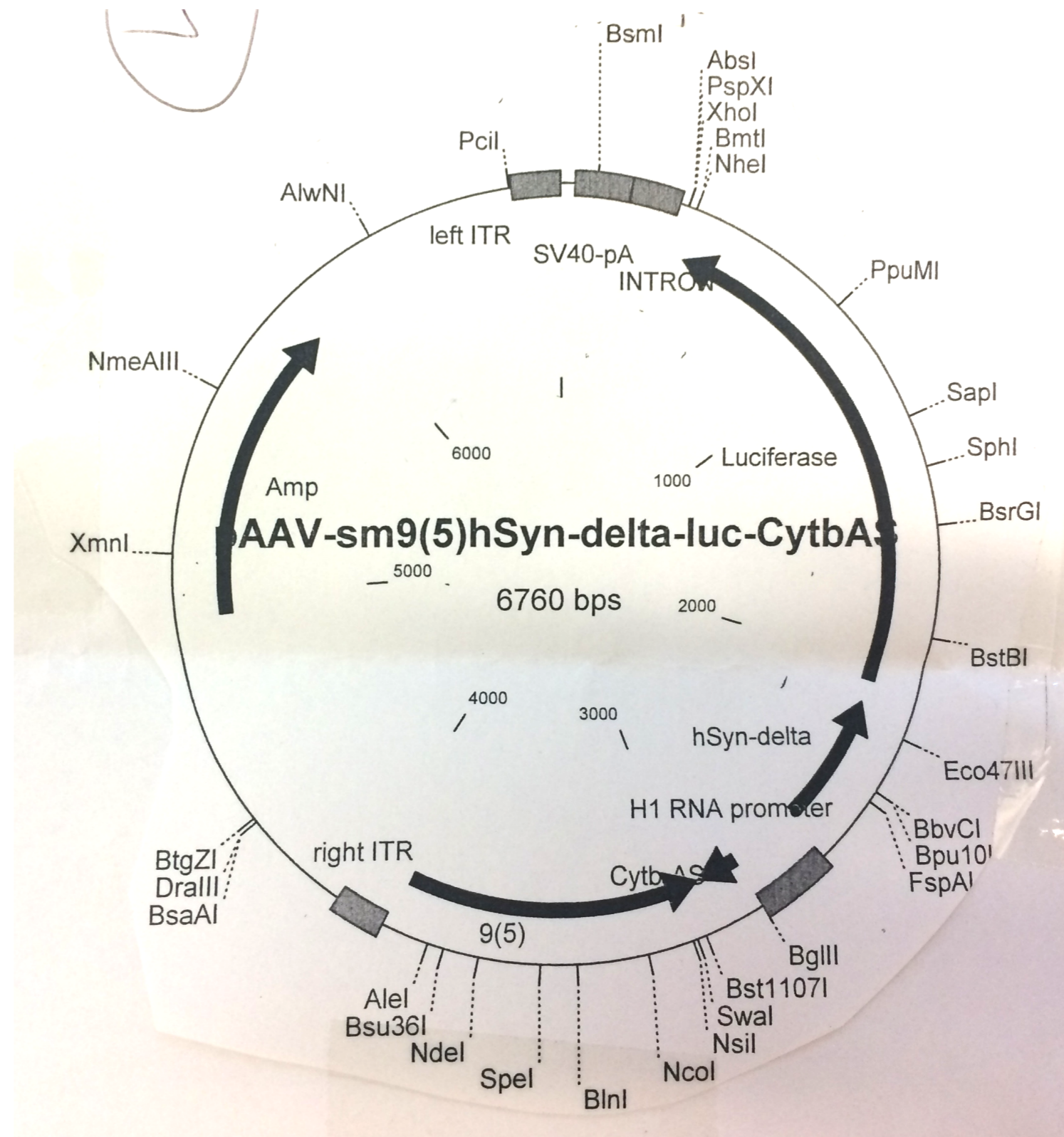
A reporter construct expressing luciferase from the human synapsin promoter with a deleted REST-binding site.

Reporter gene luciferase

Promoter, splice, PolyA hSYN-Promoter with deleted REST binding site.

Comments sequence OK!

Reference Koch JC, Barski E, Lingor P, Bahr M, Michel U. 2011. *Febs Journal* 278: 3472-3483.



Construct number 2662

Date entered 9.11.16

Constructed by FRANCIS TSAI lab

Date constructed

PLASMID NAME

hTRAP1 Δ84

bacterial marker Ampicillin

parent vector
pProexHTb (Invitrogen)
bacterial plasmid

other relevant source constructs

Inserts N-strap truncation (hTRAP1Δ84) stimulates ATPase activity by ~30-fold compared with the mature form of hTRAP1

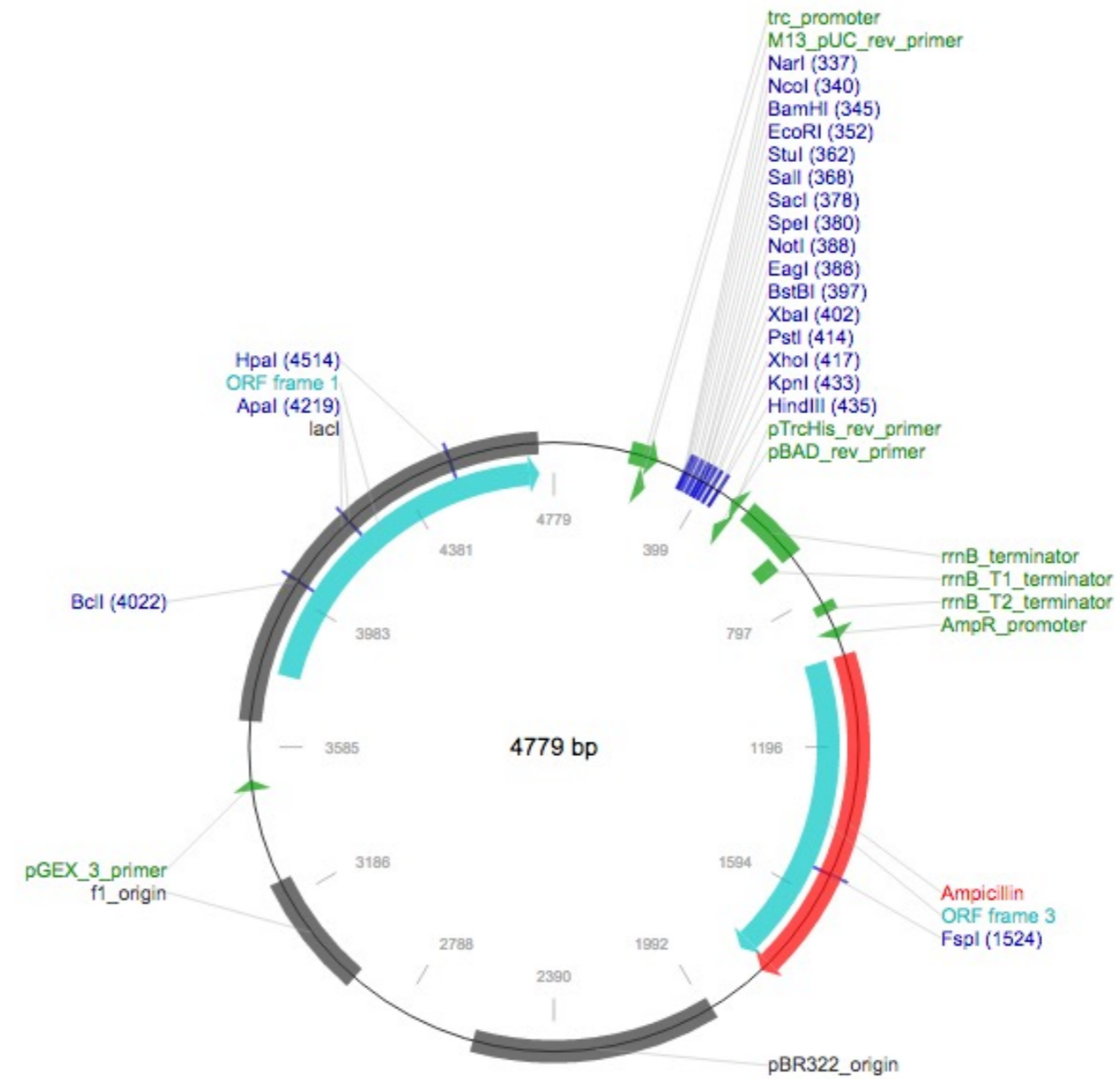
Δ84 construct has been cloned between Nar1 and Xho1

Reporter gene

Promoter, splice, PolyA trc

Comments

Reference Sung et al. (2016) PNAS 113, 2952-7.



Construct number 2663

Date entered 9.11.16

Constructed by FRANCIS TSAI lab

Date constructed

PLASMID NAME

hTRAP1 D158A/F201A

bacterial marker Ampicillin

parent vector
pProexHTb (Invitrogen)

bacterial plasmid

other relevant source constructs

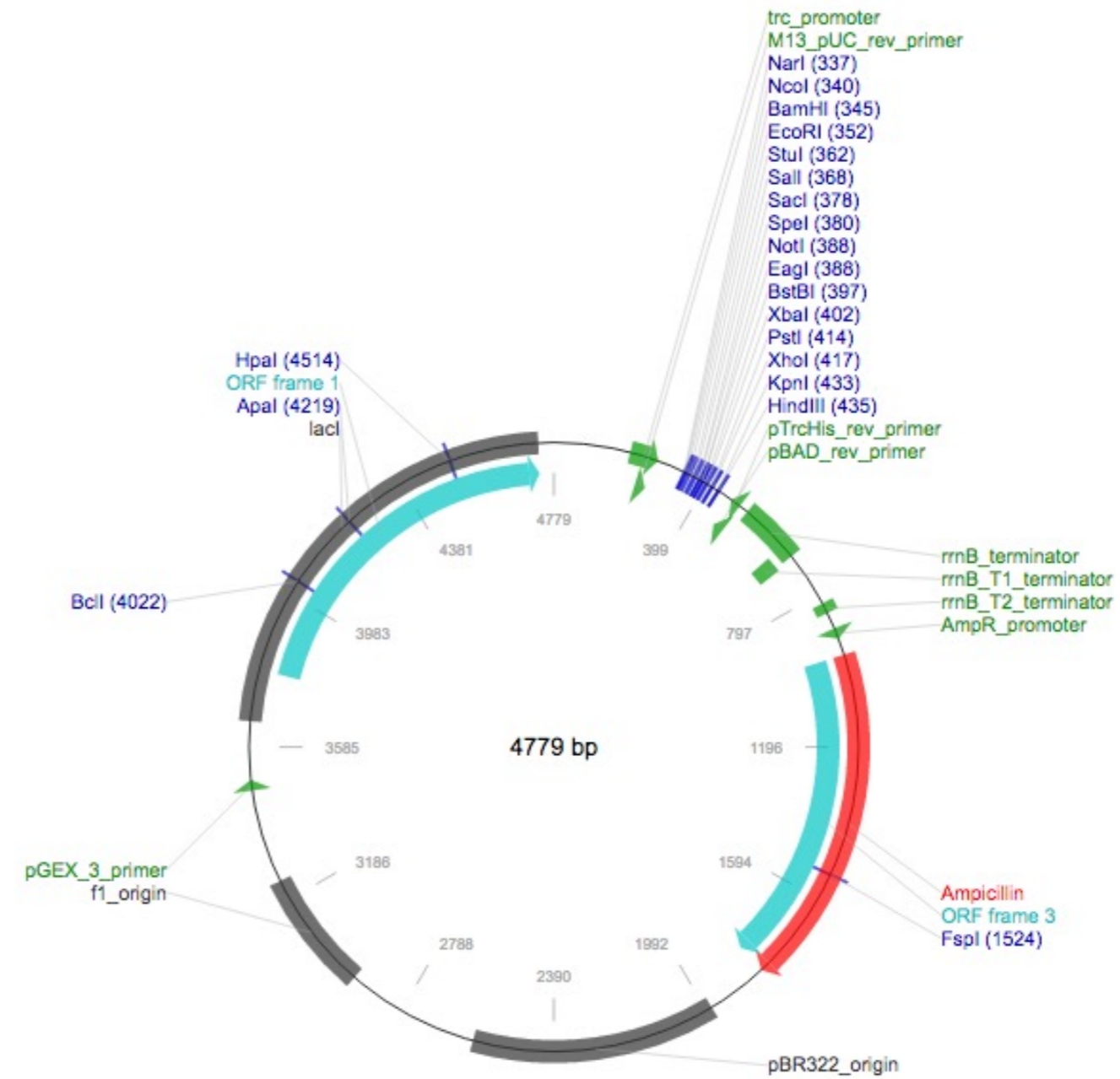
Inserts double mutant hTRAP1 D158A/F201A increases ATPase activity by 33.0-fold, higher than any other single or double mutant in Francis Tsai's paper.
D158A/F201A was cloned between BamH1 and Xho1.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Sung et al. (2016) PNAS 113, 2952-7.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.1.17

Constructed by

Date constructed

PLASMID NAME

pcDNA3-AUF1 p45

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts p45 isoform of AU-rich element RNA-binding protein 1 (AUF1).

Reporter gene

Promoter, CMV enhancer/promoter
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

2665

Date entered

6.1.17

Constructed by

Date constructed

PLASMID NAME

pcDNA3-AUF1 p37

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts p37 isoform of AU-rich element RNA-binding protein 1 (AUF1).

Reporter gene

Promoter, CMV enhancer/promoter
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.2.17

Constructed by Maxime Chastaing

Date constructed 02.2017

PLASMID NAME

pcDNA3/HA-p23-S

bacterial marker Amp	parent vector pcDNA3.1(+)
vertebrate marker Neo (G418)	bacterial plasmid pUC
eukaryotic replicon SV40 ori	other relevant source constructs

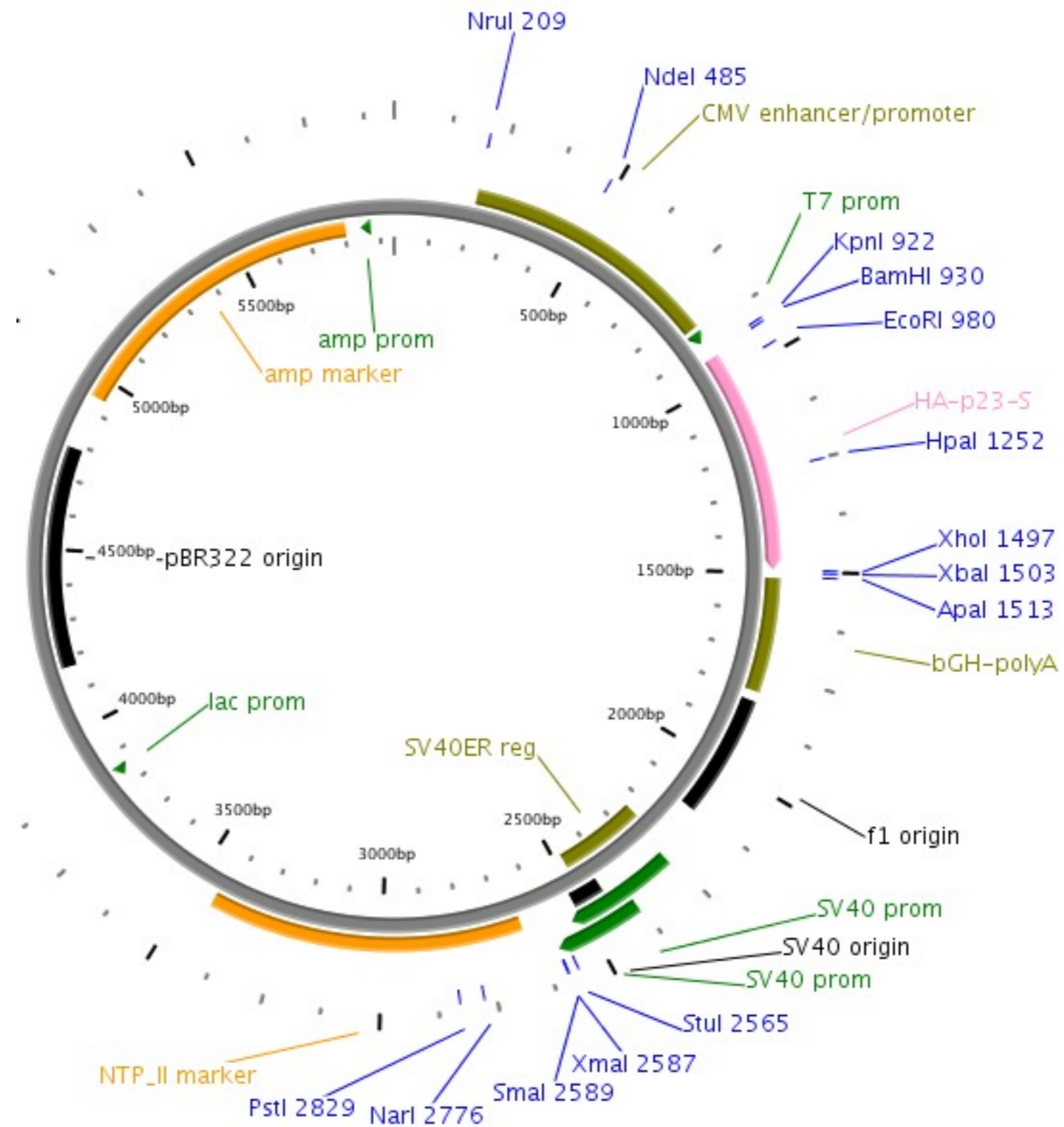
Inserts Human HA-tagged p23 with C-terminal Strep tag (there is a P between p23 and the tag)

Reporter gene

Promoter, splice, PolyA
 - CMV enhancer promoter
 - T7 promoter binding site/ priming site
 - BGH polyA sequence

Comments
 - sequence available
 - not the standard HA tag!!!

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.2.17

Constructed by Diana Wider

Date constructed 11.2016

PLASMID NAME

p2LG/yNM-H

bacterial marker Amp	parent vector p2LG
yeast marker LEU2	bacterial plasmid pBLUESCRIPT
eucaryotic replicon 2 μ circle	other relevant source constructs

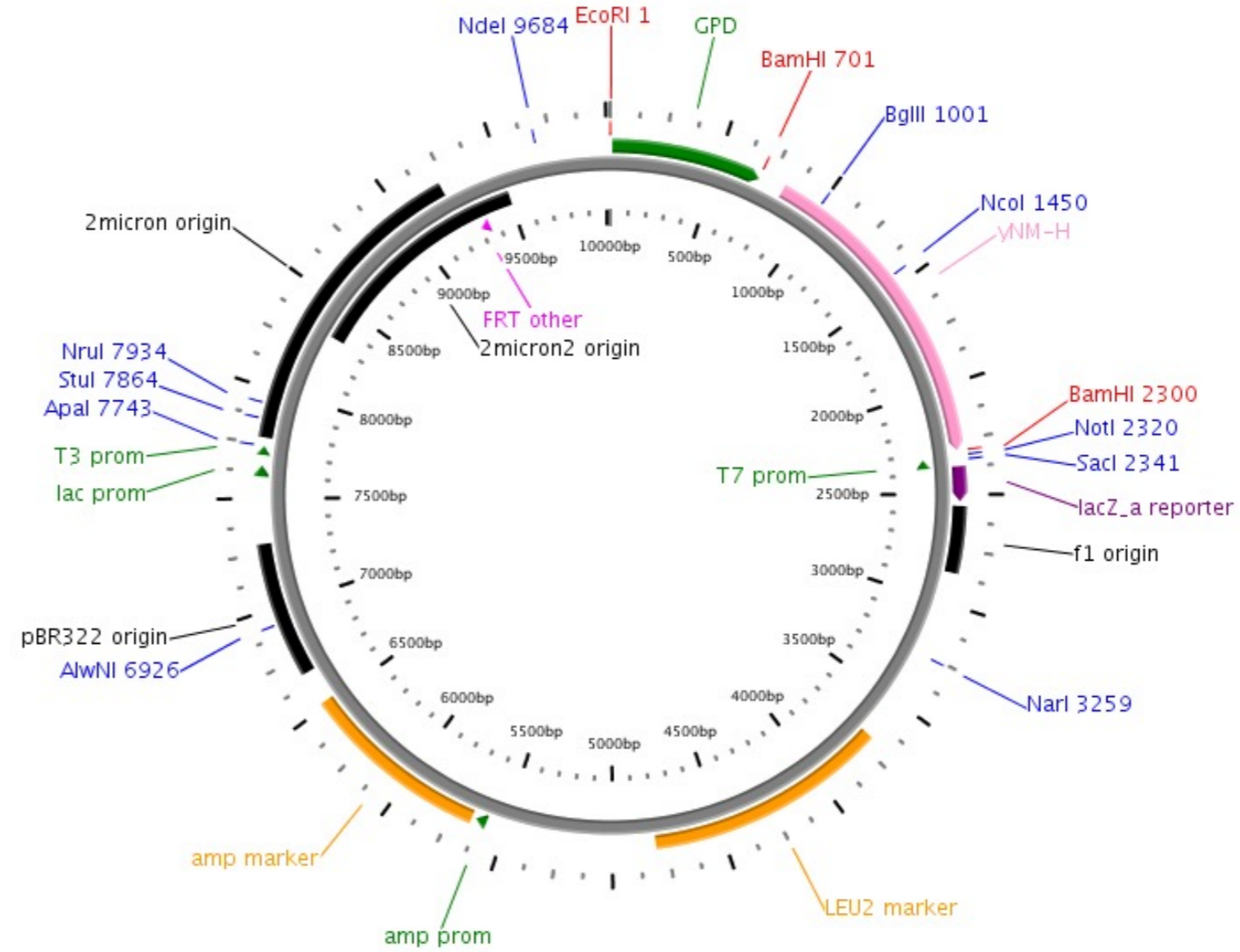
Inserts N-terminal and middle domains without charged domain (Δ AA 211-259) of yeast Hsp82 (AA 1-534), with C-terminal His6 tag

Reporter gene

Promoter, splice, PolyA GPD promoter

Comments - sequence available (sequence of insert double checked)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.2.17

Constructed by Maxime Chastaing

Date constructed 02.2017

PLASMID NAME

p2LG/yNM-ccA-S

bacterial marker Amp	parent vector p2LG/ccA-S (intermediate clone)
yeast marker LEU2	bacterial plasmid intermediate clone pcDNA3/yNM
eucaryotic replicon 2 μ circle	other relevant source constructs

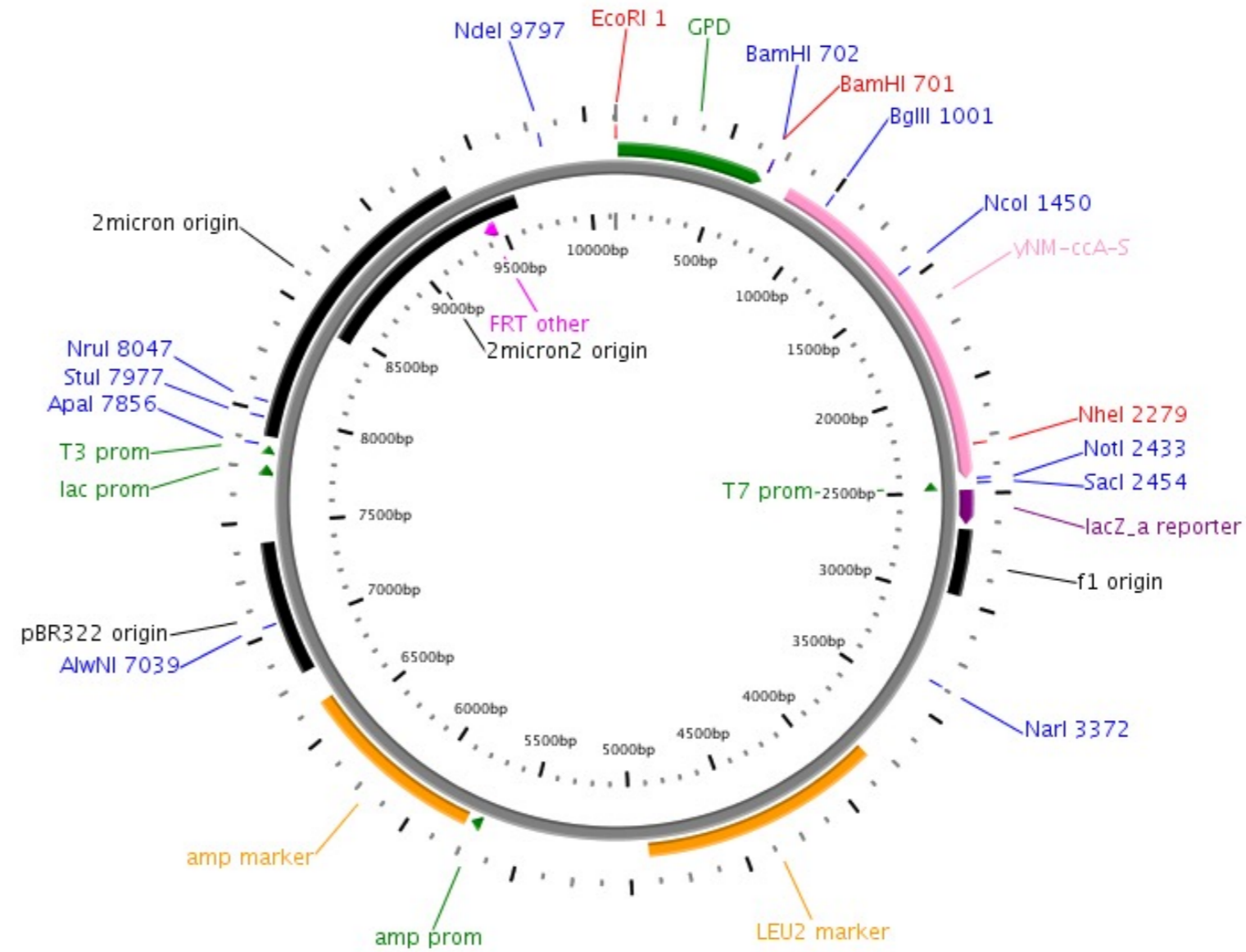
Inserts N-terminal and middle domains without charged domain (Δ AA 211-259) of yeast Hsp82 (AA 1-534), with C-terminal coiled-coil sequence viiA (ccA) and streptag (S)

Reporter gene

Promoter, splice, PolyA GPD promoter

Comments - sequence available

Reference - ccA sequence from Mishra and Bolon (2014) Mol. Cell 53, 344



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.2.17

Constructed by Maxime Chastaing

Date constructed 02.2017

PLASMID NAME

p2U/yNM-ccB-H

bacterial marker Amp	parent vector p2U/ccB-H (intermediate clone)
yeast marker URA3	bacterial plasmid intermediate clone pCDNA3/yNM
eucaryotic replicon 2 μ circle	other relevant source constructs

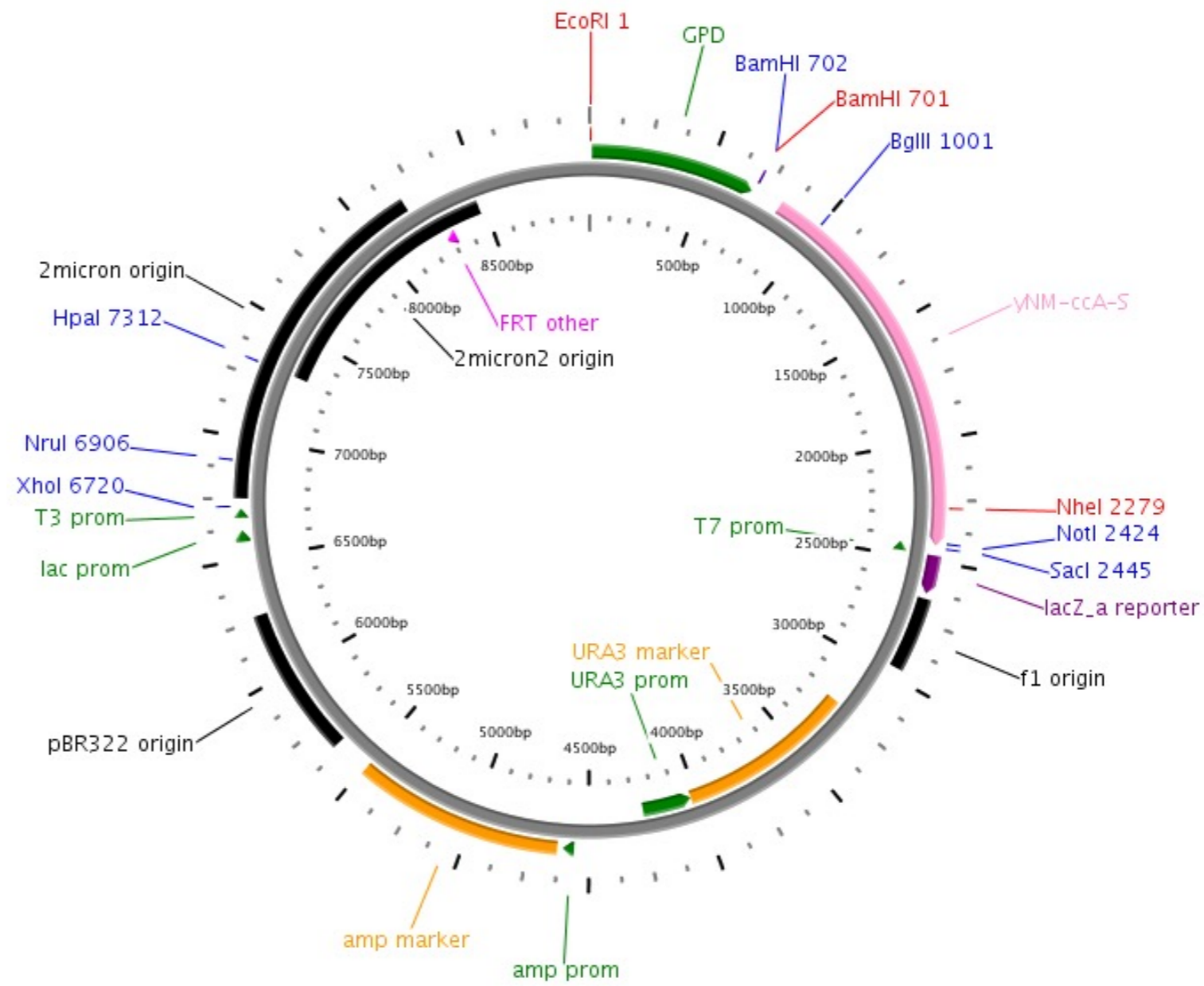
Inserts N-terminal and middle domains without charged domain (Δ AA 211-259) of yeast Hsp82 (AA 1-534), with C-terminal coiled-coil sequence viiB (ccB) and His6 tag (H)

Reporter gene

Promoter, splice, PolyA GPD promoter

Comments - sequence available

Reference - ccB sequence from Mishra and Bolon (2014) Mol. Cell 53, 344



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 17.3.17

Constructed by Dina Hany

Date constructed March 2017

PLASMID NAME

3xF.KIX.Bx

bacterial marker Amp+Kan

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector
3xFLAG/MCS

bacterial plasmid

other relevant source constructs

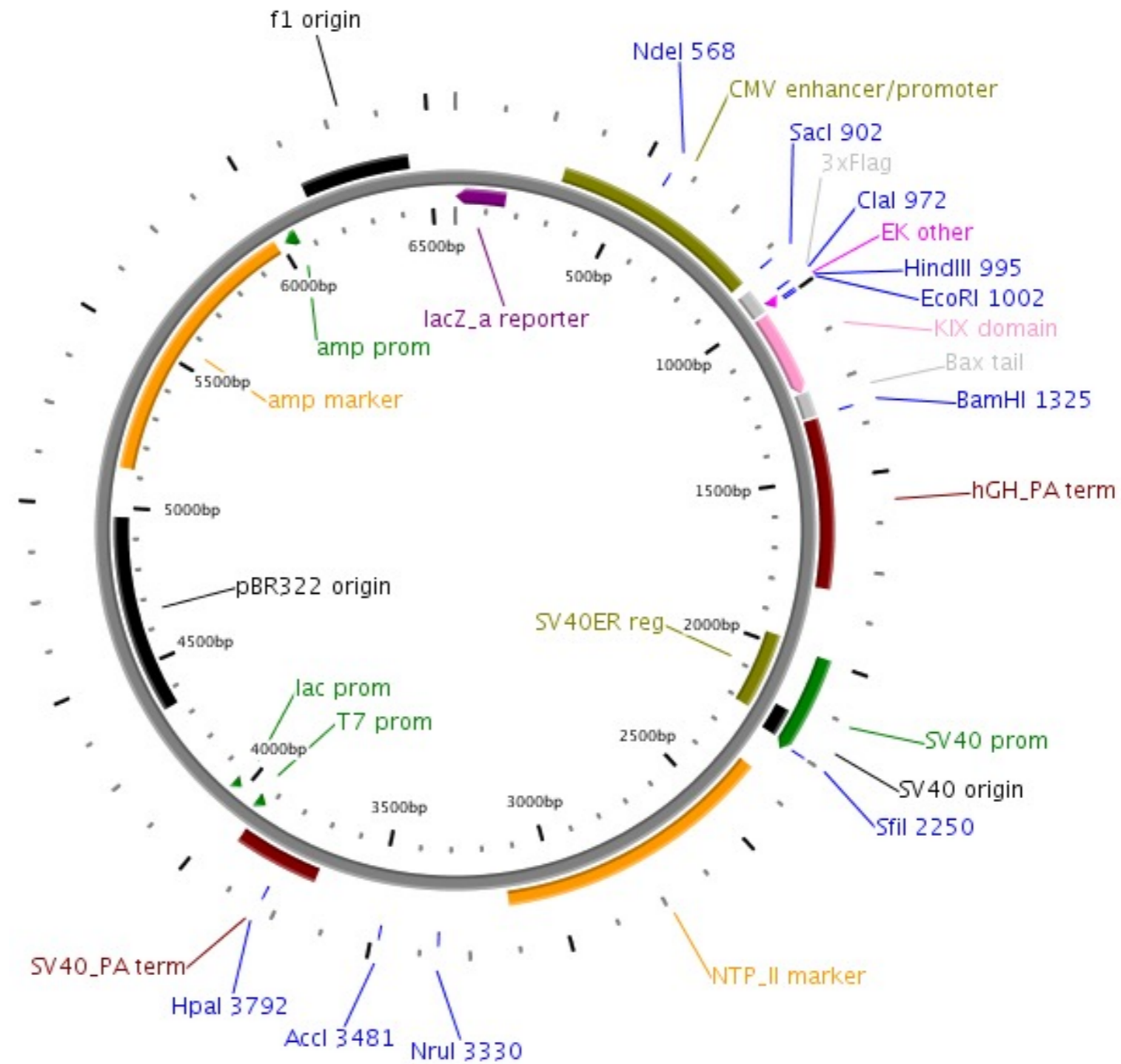
Inserts 3xFlag fused to KIX domain of mouse CBP (AA 586-666) with C-terminal tail of Bax (last 21 amino acids, i.e. 172-192, without S184)

Reporter gene

Promoter, splice, PolyA
- CMV enhancer/promoter
- hGH poly A site

Comments - sequence available

Reference - for Bax tail: Nechushtan et al. (1999) EMBO J. 18, 2330



Construct number 2672

Date entered 5.4.17

Constructed by DNAsu (University of Utah)

Date constructed

PLASMID NAME

pCA528

bacterial marker Kan

parent vector

bacterial plasmid

other relevant source constructs

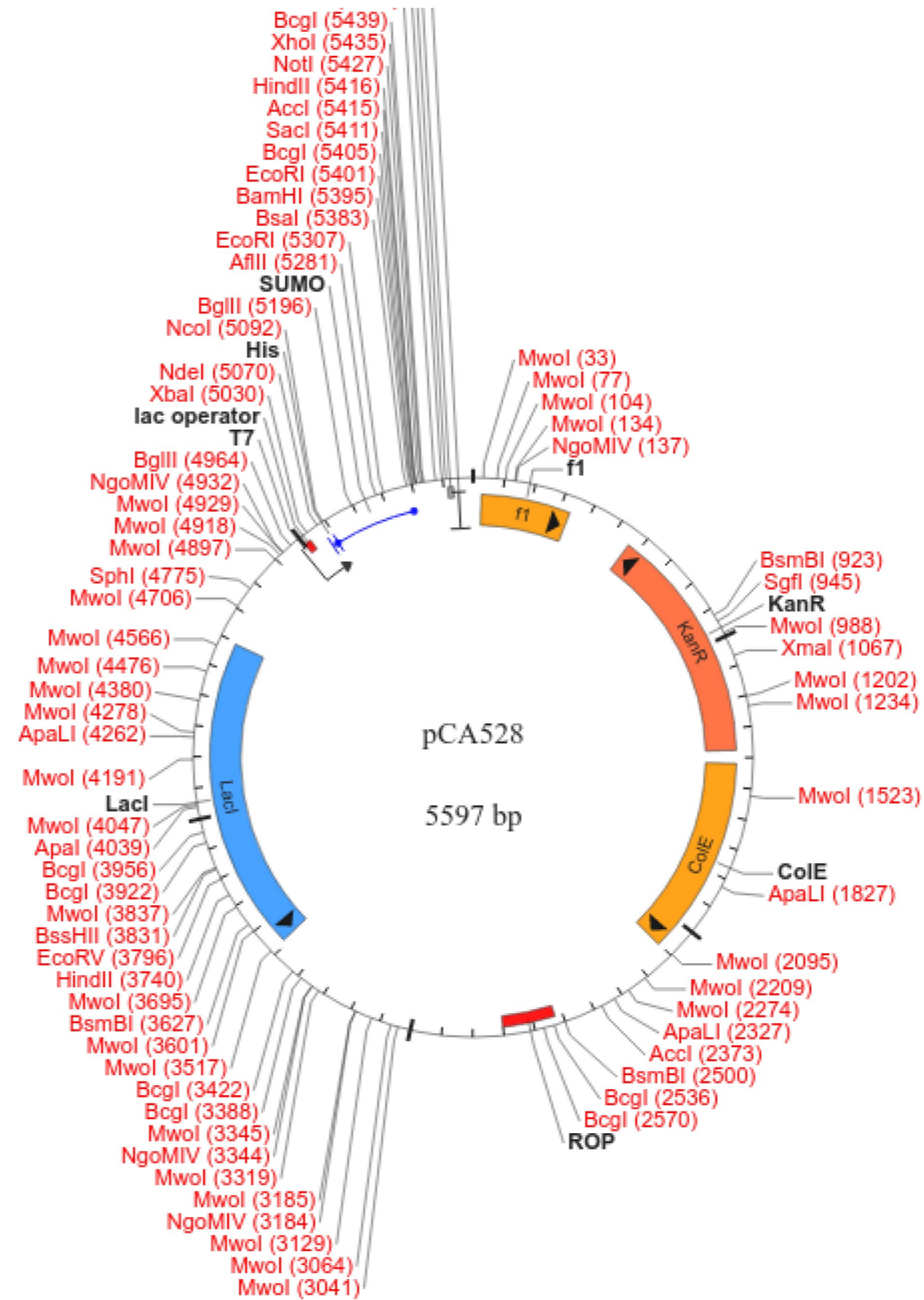
Inserts Bacterial expression vector with T7 promoter and N-terminal His-Sumo

Reporter gene

Promoter, splice, PolyA T7 promoter, T7 terminator, N-terminal His-SUMO

Comments

Reference http://dnasu.org/DNASU/GetVectorDetail.do?vectorid=664



Construct number

Date entered 21.4.17

Constructed by addgene

Date constructed

PLASMID NAME

pBABEneo-HRASV12

bacterial marker Amp

parent vector
pBABE-neo
bacterial plasmid

other relevant source constructs

Inserts H-RAS-V12

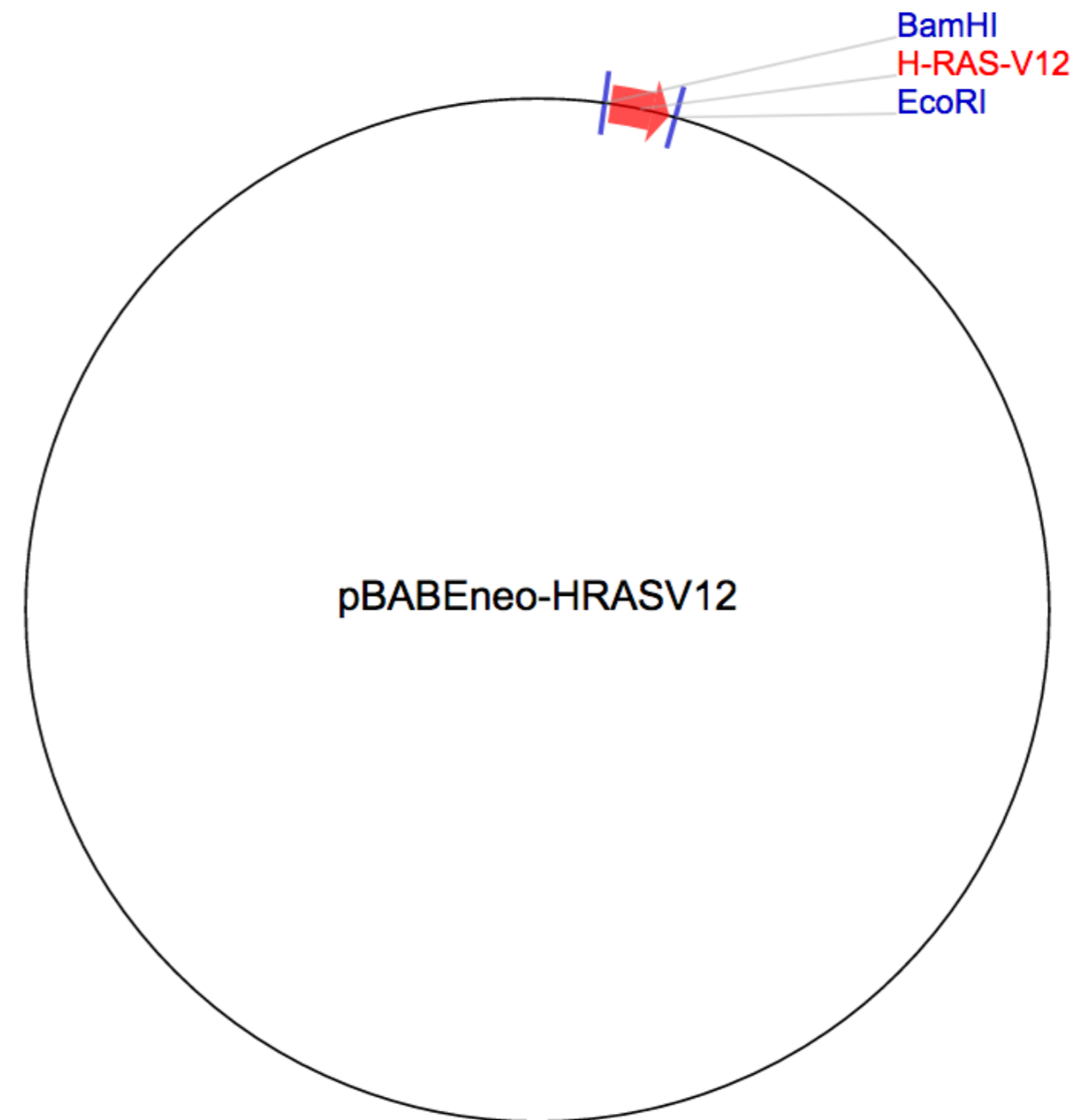
NOTE: Selectable markers Neomycin (select with G418)

Reporter gene

Promoter,
splice,
PolyA

Comments - Retroviral expression of H-RAS-V12 (Mutation G12V mutation)
- Selectable markers Neomycin (select with G418)

Reference Autophagy facilitates glycolysis during Ras-mediated oncogenic transformation. Lock R, Roy S, Kenific CM, Su JS, Salas E, Ronen SM, Debnath J. Mol Biol Cell. 2011 Jan 15;22(2):165-78. doi: 10.1091/mbc.E10-06-0500. Epub 2010 Nov 30. 10.1091/mbc.E10-06-0500 PubMed 21119005



DIDIER PICARD LAB, University of Geneva

Construct number
Constructed by Marco Pupo

Date entered 13.7.17
Date constructed 02.2014

PLASMID NAME

3xFLAG-mut-hGPR30-NQ2532

<u>bacterial marker</u> Amp	<u>parent vector</u> 3xFLAG-mut-hGPR30
<u>vertebrate marker</u> Neo (G418)	<u>bacterial plasmid</u> pBR322
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

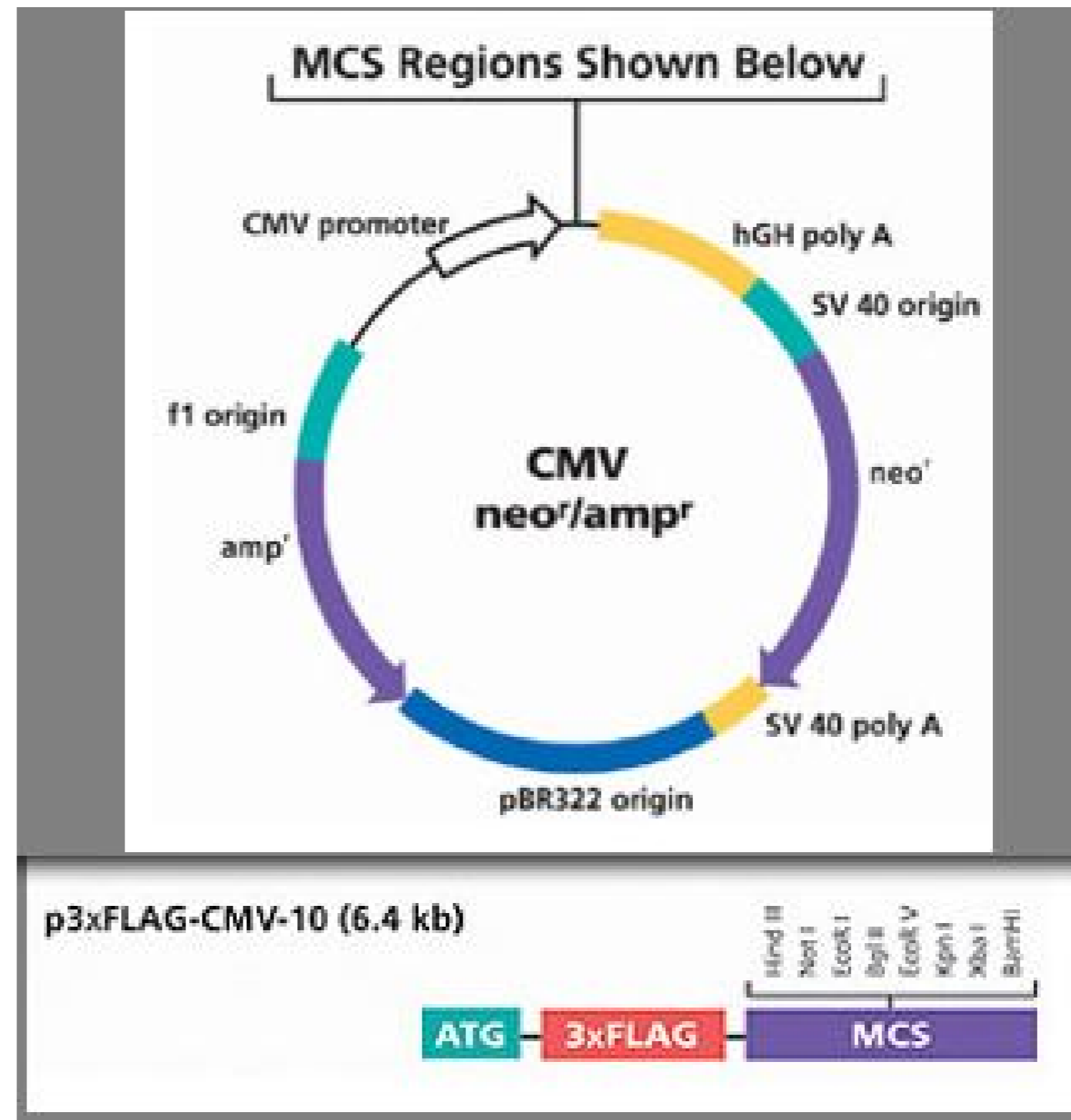
Inserts human GPR30 (GPER) with a N-terminal 3xFlag tag with N25 and N32 changed to Q
 The "mut" version is resistant to our GPER-specific shRNA

Reporter gene

Promoter, splice, PolyA
 - CMV enhancer/promoter
 - human growth hormone poly A

Comments
 - Find the primers in the sequence section.
 - full sequence available
 - map shows empty expression vector

Reference Pupo et al. (2017) Oncotarget, DOI 10.18632/oncotarget.18156



DIDIER PICARD LAB, University of Geneva

Construct number
Constructed by Marco Pupo

Date entered 13.7.17
Date constructed 04.2016

PLASMID NAME

3xFLAG-hGPR30 P16L

<u>bacterial marker</u> Amp	<u>parent vector</u> 3xFLAG-hGPR30
<u>vertebrate marker</u> Neo (G418)	<u>bacterial plasmid</u> pBR322
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

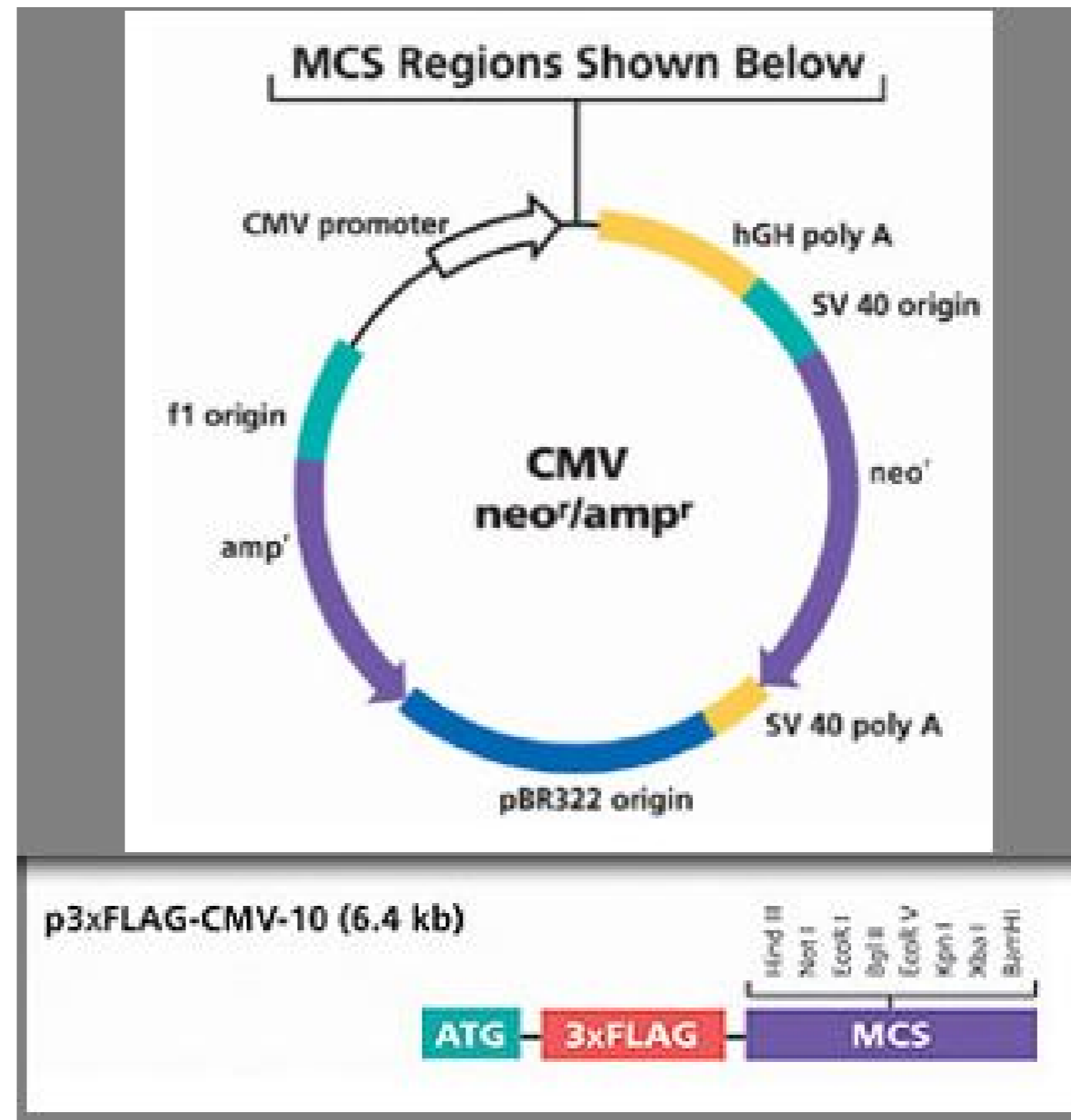
Inserts human GPR30 (GPER) with a N-terminal 3xFlag tag with P16 changed to L

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - human growth hormone poly A
PolyA

Comments - map shows empty expression vector
 - full sequence available

Reference Pupo et al. (2017) Oncotarget, DOI 10.18632/oncotarget.18156



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Marco Pupo

Date entered 13.7.17
 Date constructed 04.2016

PLASMID NAME

3xFLAG-mut-hGPR30 P16L

<u>bacterial marker</u>	Amp	<u>parent vector</u>	3xFLAG-mut-hGPR30
<u>vertebrate marker</u>	Neo (G418)	<u>bacterial plasmid</u>	pBR322
<u>eukaryotic replicon</u>	SV40 ori	<u>other relevant source constructs</u>	

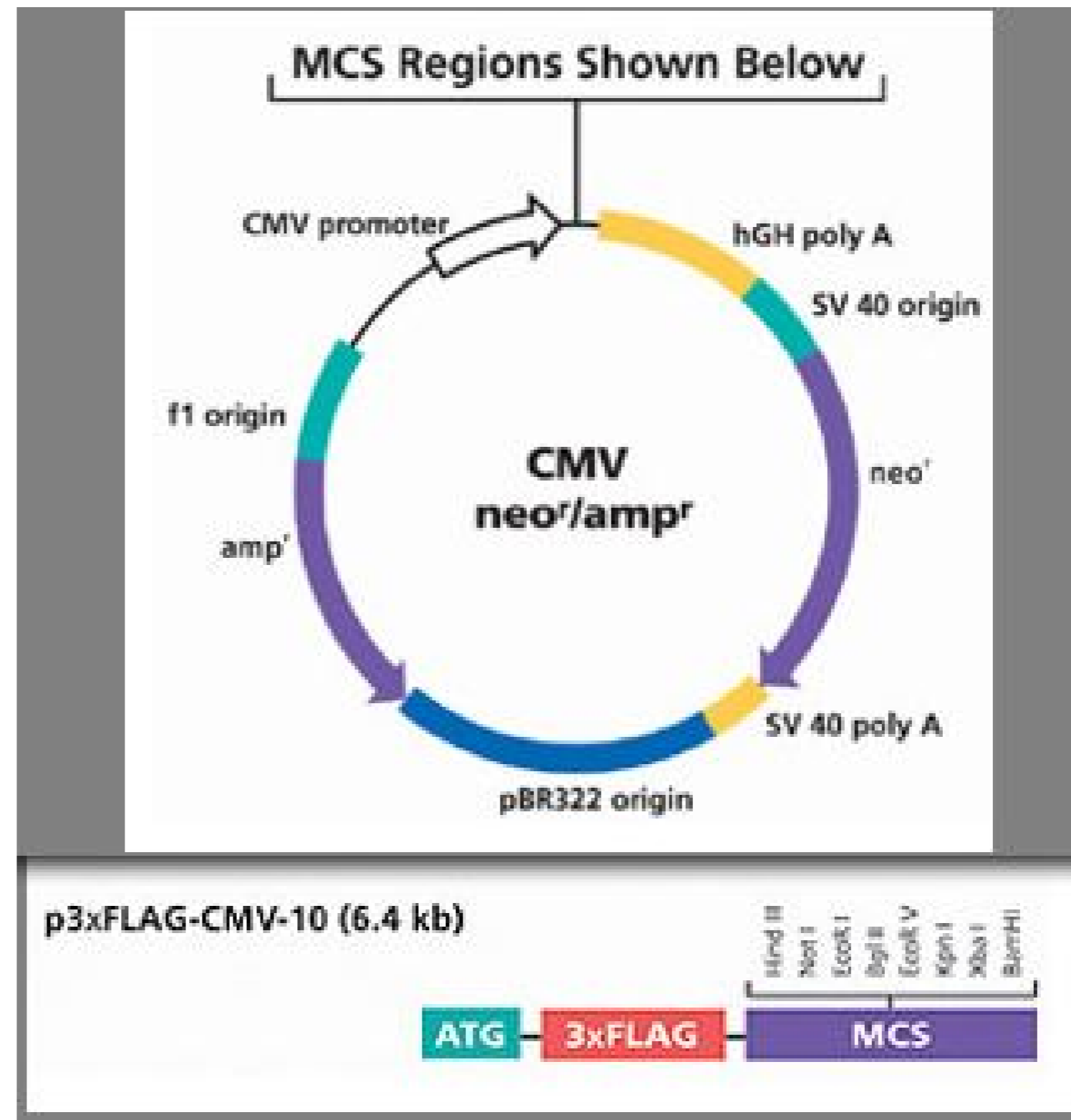
Inserts human GPR30 (GPER) with a N-terminal 3xFlag tag with P16 changed to L
 The "mut" version is resistant to our GPER-specific shRNA

Reporter gene

Promoter, splice, PolyA
 - CMV enhancer/promoter
 - human growth hormone poly A

Comments
 - map shows empty expression vector
 - full sequence available

Reference Pupo et al. (2017) Oncotarget, DOI 10.18632/oncotarget.18156



Construct number

2679

Date entered

13.7.17

Constructed by

Marco Pupo in Maggiolini lab

Date constructed

PLASMID NAME

3xFLAG-mut-hGPR30 NLSMT

bacterial marker Amp

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

p3xFLAG-mut-hGPR30

bacterial plasmid

pBR322

other relevant source constructs

Inserts

human GPR30 (GPER) with a N-terminal 3xFlag tag with mutated nuclear localization signal (NLS) (two Rs changed to As)

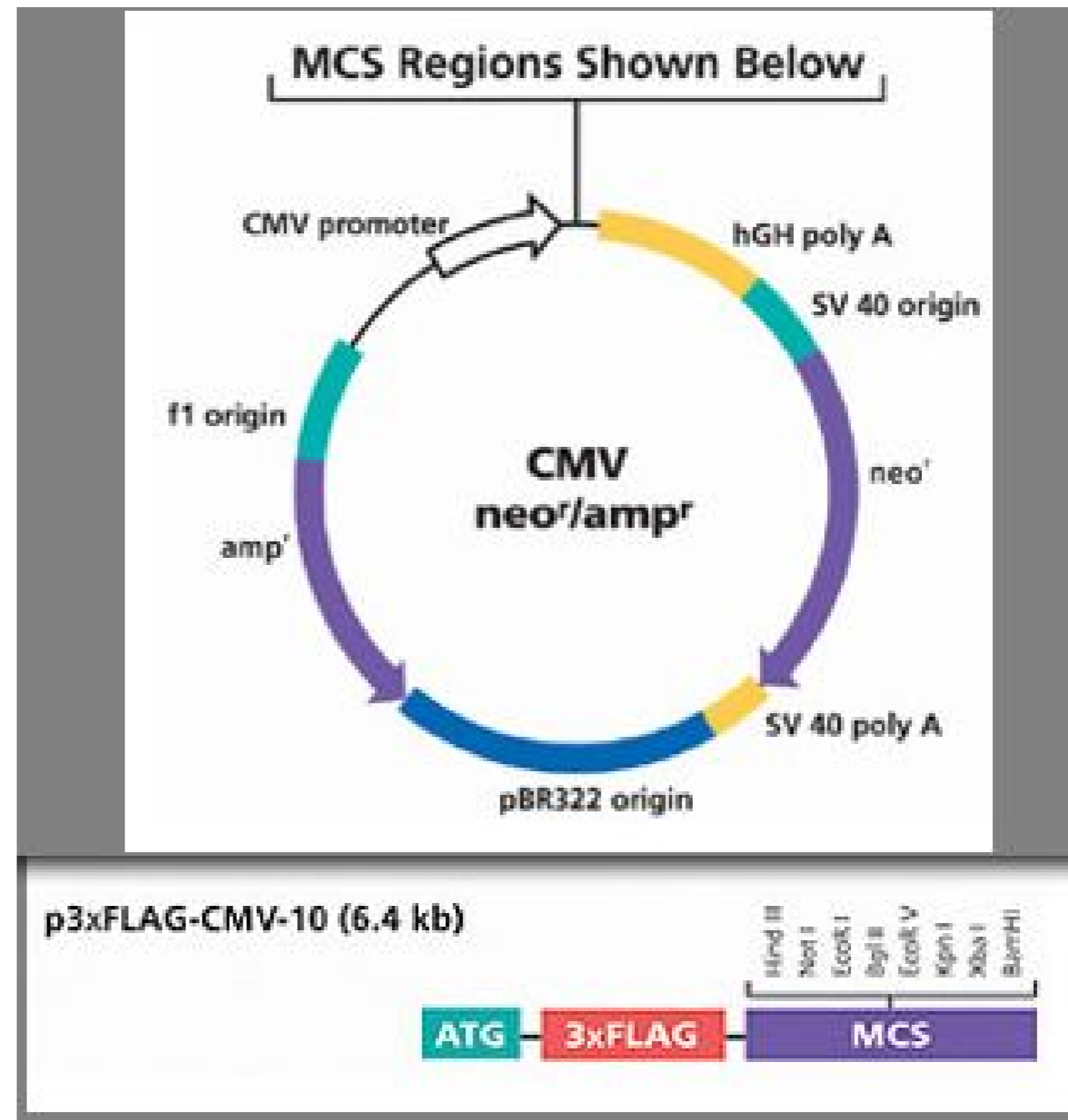
The "mut" version is resistant to our GPER-specific shRNA

Reporter gene

Promoter, splice, PolyA
- CMV enhancer/promoter
- human growth hormone poly A

Comments - map shows empty expression vector
- full sequence available

Reference Pupo et al. (2013) Molecular and Cellular Endocrinology



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 2.8.17

Constructed by Nastaran Ghahhari

Date constructed 2016

PLASMID NAME

pTRIPz-EGFP

bacterial marker Amp

parent vector

pTRIPz

bacterial plasmid

other relevant source constructs

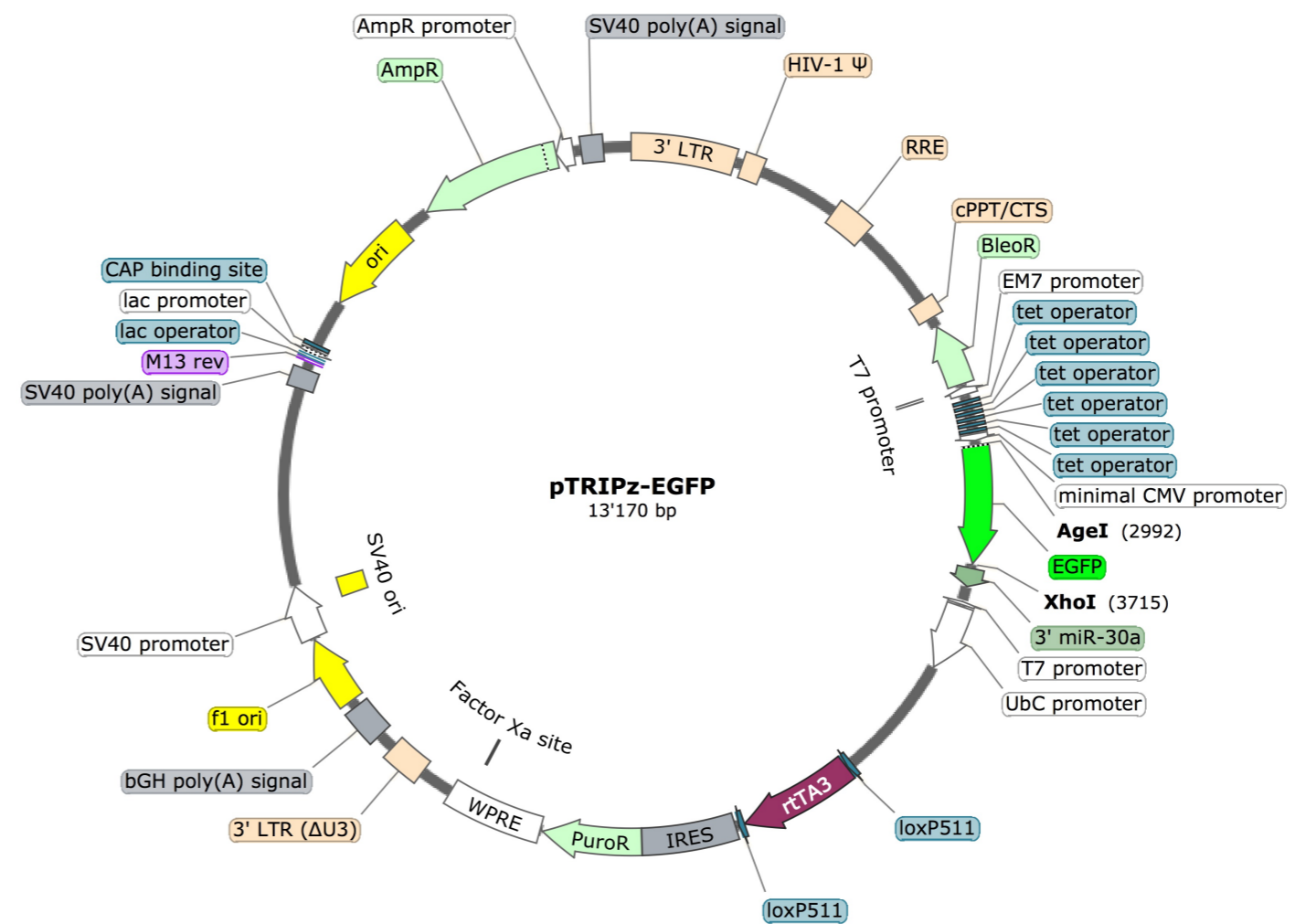
Inserts EGFP from pEGFP-C1 inserted between AgeI and XhoI sites, which can be induced for expression by doxycycline (0.5-1ug/ml) for the expression in mammalian cells.

Reporter gene

Promoter, splice, PolyA minimal CMV promoter.

Comments Lentiviral vector with tet-on (doxycycline inducible) system. Induction with 0.5-1ug/ml of dox.

Reference



Created with SnapGene®

DIDIER PICARD LAB, University of Geneva

Construct number

2681

Date entered

2.8.17

Constructed by

Nastaran Ghahhari

Date constructed

2016

PLASMID NAME

piSTARR-seq

Created with SnapGene®

bacterial marker Amp

parent vector
pSTARR-seq-human from addgene

bacterial plasmid

other relevant source constructs

Inserts

Screening vector for the STARR-seq assay with the transcription factor binding site **must** be inserted between **AgeI** and **XbaI** sites.

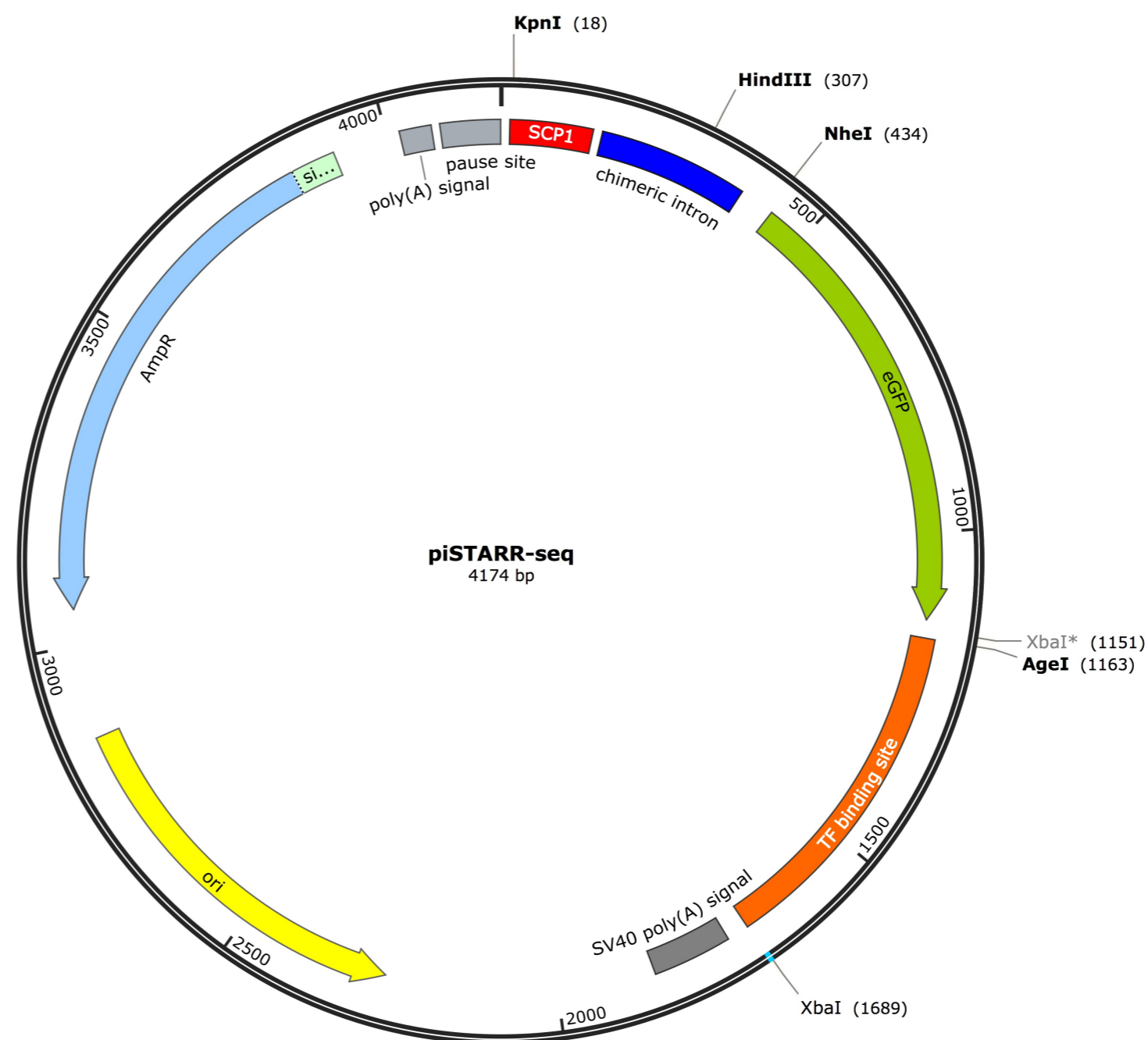
Reporter gene GFP

Promoter, splice, PolyA
- Super Core Promoter 1 (SCP1)
- SV40 poly(A) signal

Comments

Reference

Genome-wide quantitative enhancer activity maps identified by STARR-seq. Arnold CD, Gerlach D, Stelzer C, Boryn LM, Rath M, Stark A. Science. 2013 Mar 1;339(6123):1074-7. doi: 10.1126/science.1232542. Epub 2013 Jan 17. 10.1126/science.1232542 PubMed 23328393



DIDIER PICARD LAB, University of Geneva

Construct number

2682

Date entered

2.8.17

Constructed by

Nastaran Ghahhari

Date constructed

2016

PLASMID NAME

piSTARR-seq-ERE

Created with SnapGene®

bacterial marker Amp

parent vector

piSTARR-seq

bacterial plasmid

other relevant source constructs

Inserts

Test screening vector for the STARR-seq assay with single estrogen response element inserted between **AgeI** and **XbaI** sites (Fwd oligo: **CCGGTGAATTCTCAGGTCACAGTGACCTGT**).

Reporter gene

GFP

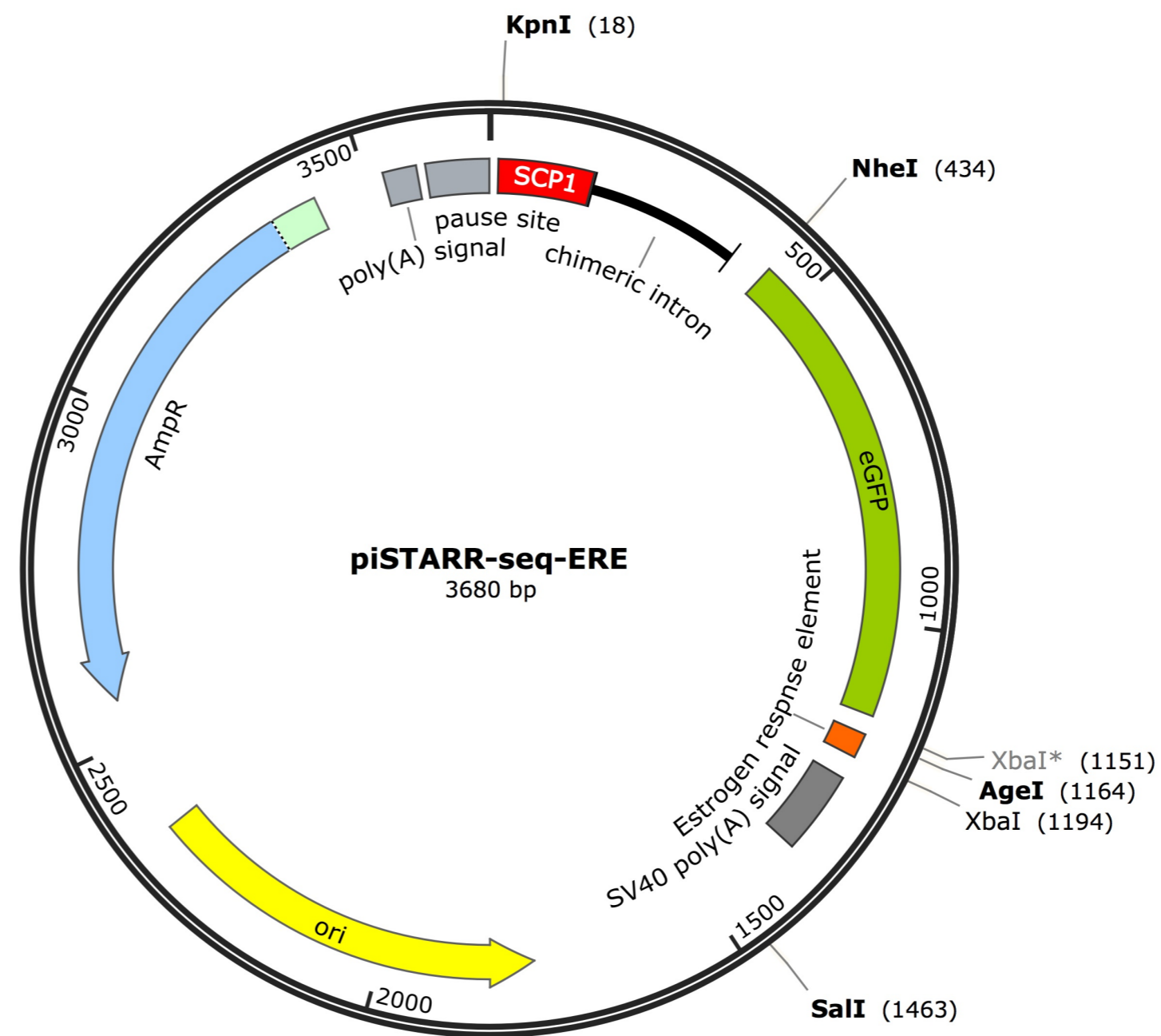
Promoter,
splice,
PolyA

- Super Core Promoter 1 (SCP1)
- SV40 poly(A) signal

Comments

Reference

Genome-wide quantitative enhancer activity maps identified by STARR-seq. Arnold CD, Gerlach D, Stelzer C, Boryn LM, Rath M, Stark A. Science. 2013 Mar 1;339(6123):1074-7. doi: 10.1126/science.1232542. Epub 2013 Jan 17. 10.1126/science.1232542 PubMed 23328393



DIDIER PICARD LAB, University of Geneva

Construct number

2683

Date entered

2.8.17

Constructed by

Nastaran Ghahhari

Date constructed

2016

PLASMID NAME

piSTARR-seq-CRE

Created with SnapGene®

bacterial marker Amp

parent vector

piSTARR-seq

bacterial plasmid

other relevant source constructs

Inserts

Test control screening vector for the STARR-seq assay with 2 cAMP response elements inserted between **AgeI** and **XbaI** sites (Fwd oligo: **CCGGTGAATTCAGCCTGACGTGACAGAGCCTGACGTCAGAGT**).

Reporter gene

GFP

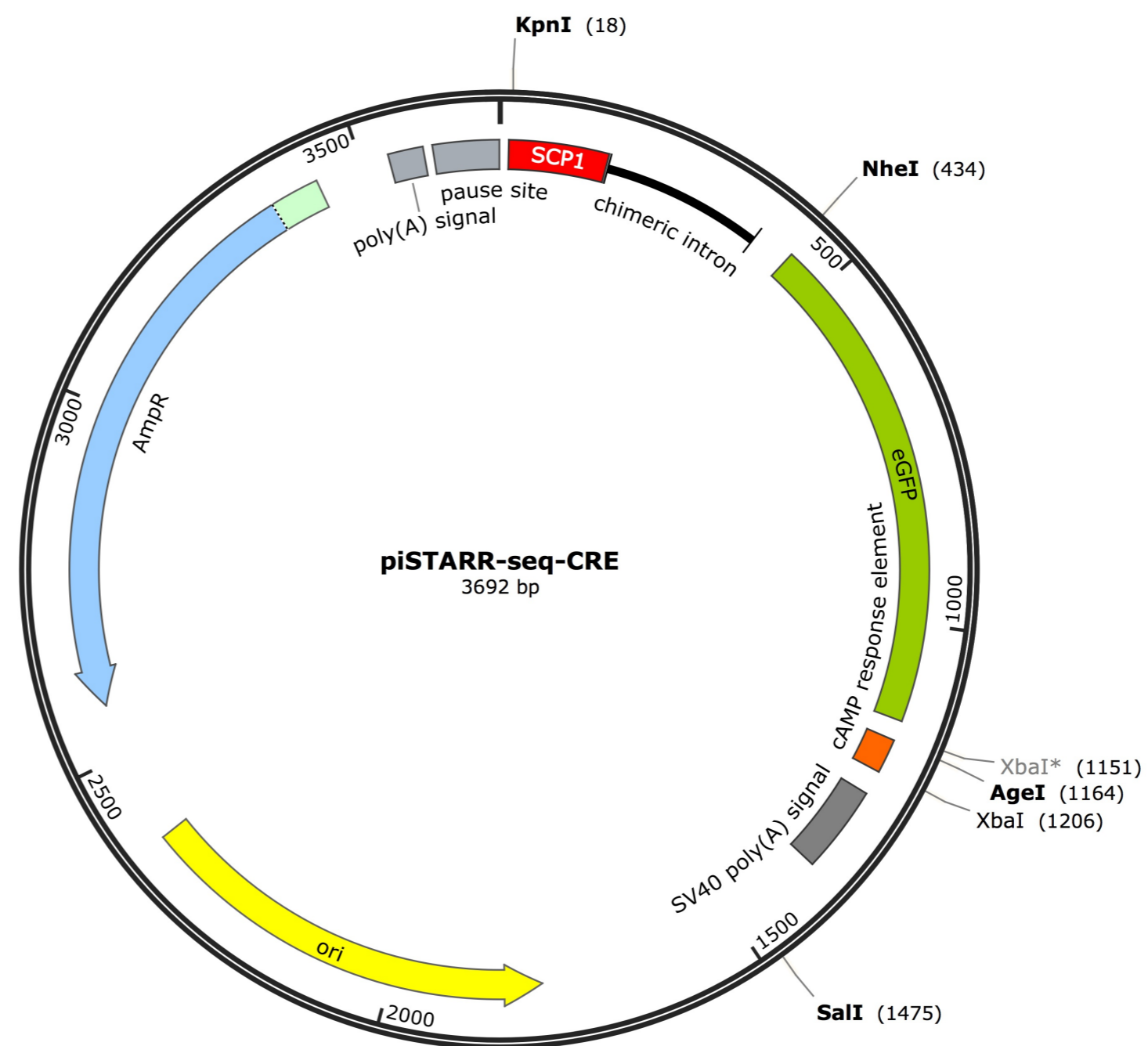
Promoter,
splice,
PolyA

- Super Core Promoter 1 (SCP1)
- SV40 poly(A) signal

Comments

Reference

Genome-wide quantitative enhancer activity maps identified by STARR-seq. Arnold CD, Gerlach D, Stelzer C, Boryn LM, Rath M, Stark A. Science. 2013 Mar 1;339(6123):1074-7. doi: 10.1126/science.1232542. Epub 2013 Jan 17. 10.1126/science.1232542 PubMed 23328393



DIDIER PICARD LAB, University of Geneva

Construct number

2684

Date entered

2.8.17

Constructed by

Nastaran Ghahhari

Date constructed

2016

PLASMID NAME

piSTARR-seq-XETL

Created with SnapGene®

bacterial marker Amp

parent vector

piSTARR-seq

bacterial plasmid

other relevant source constructs

Inserts

Test control screening vector for the STARR-seq assay: insert sequence including the estrogen response element from XETL vector inserted between **AgeI** and **XbaI** sites (GGATCTCAGGTCACAGTGACCTGATCAAAGTTAATGTAACCTCAACCTGGAGATCC).

Reporter gene

GFP

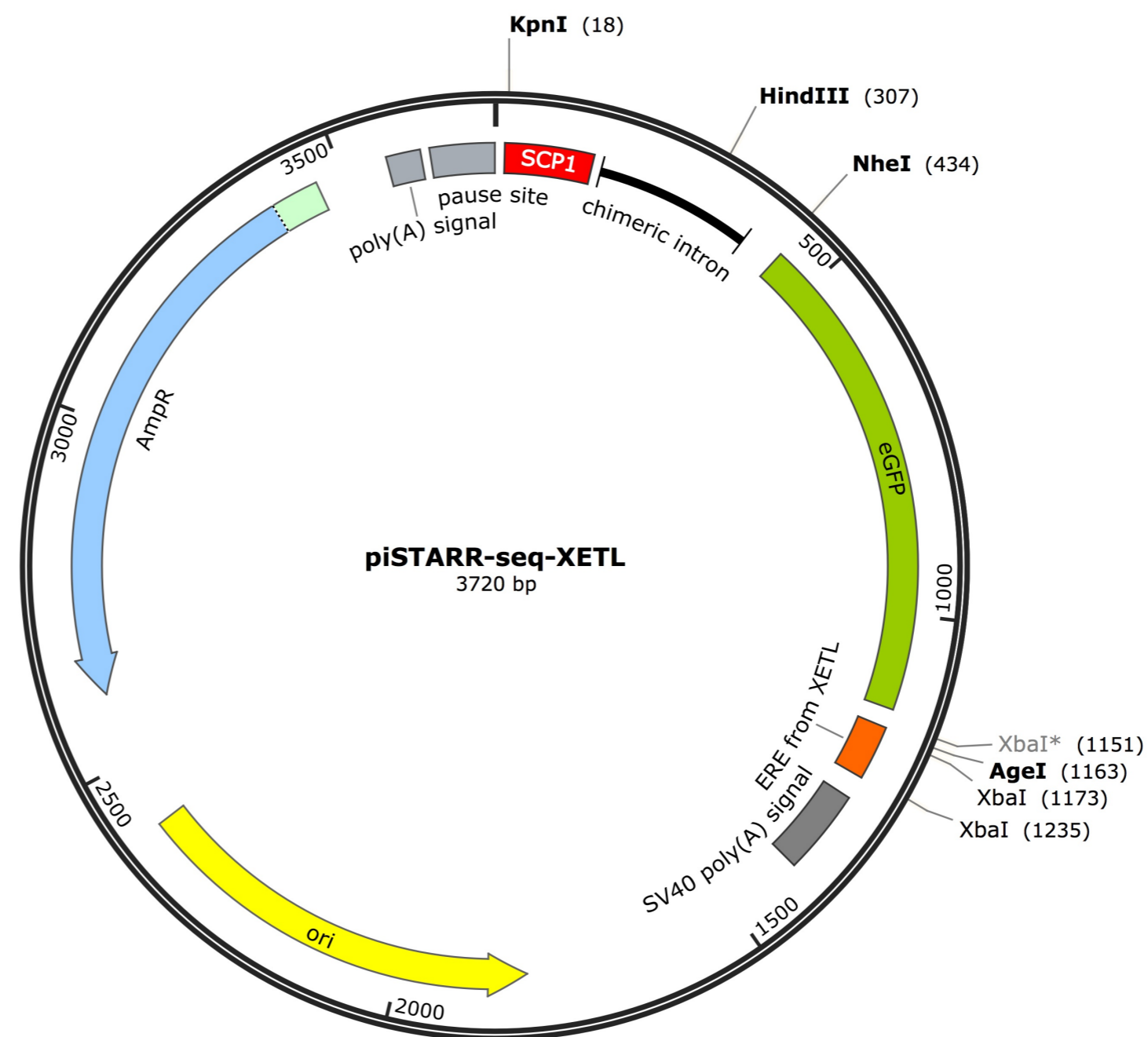
Promoter,
splice,
PolyA

- Super Core Promoter 1 (SCP1)
- SV40 poly(A) signal

Comments

Reference

Genome-wide quantitative enhancer activity maps identified by STARR-seq. Arnold CD, Gerlach D, Stelzer C, Boryn LM, Rath M, Stark A. Science. 2013 Mar 1;339(6123):1074-7. doi: 10.1126/science.1232542. Epub 2013 Jan 17. 10.1126/science.1232542 PubMed 23328393



DIDIER PICARD LAB, University of Geneva

Construct number

2685

Date entered

2.8.17

Constructed by

Nastaran Ghahhari

Date constructed

2016

PLASMID NAME

piSTARR-seq-TFF1

Created with SnapGene®

bacterial marker Amp	parent vector piSTARR-seq bacterial plasmid
	other relevant source constructs

Inserts Test screening vector for the STARR-seq assay with TFF1 enhancer (from bacterial artificial chromosome clone no. **RP11-619115**) inserted between **AgeI** and **XbaI** sites:

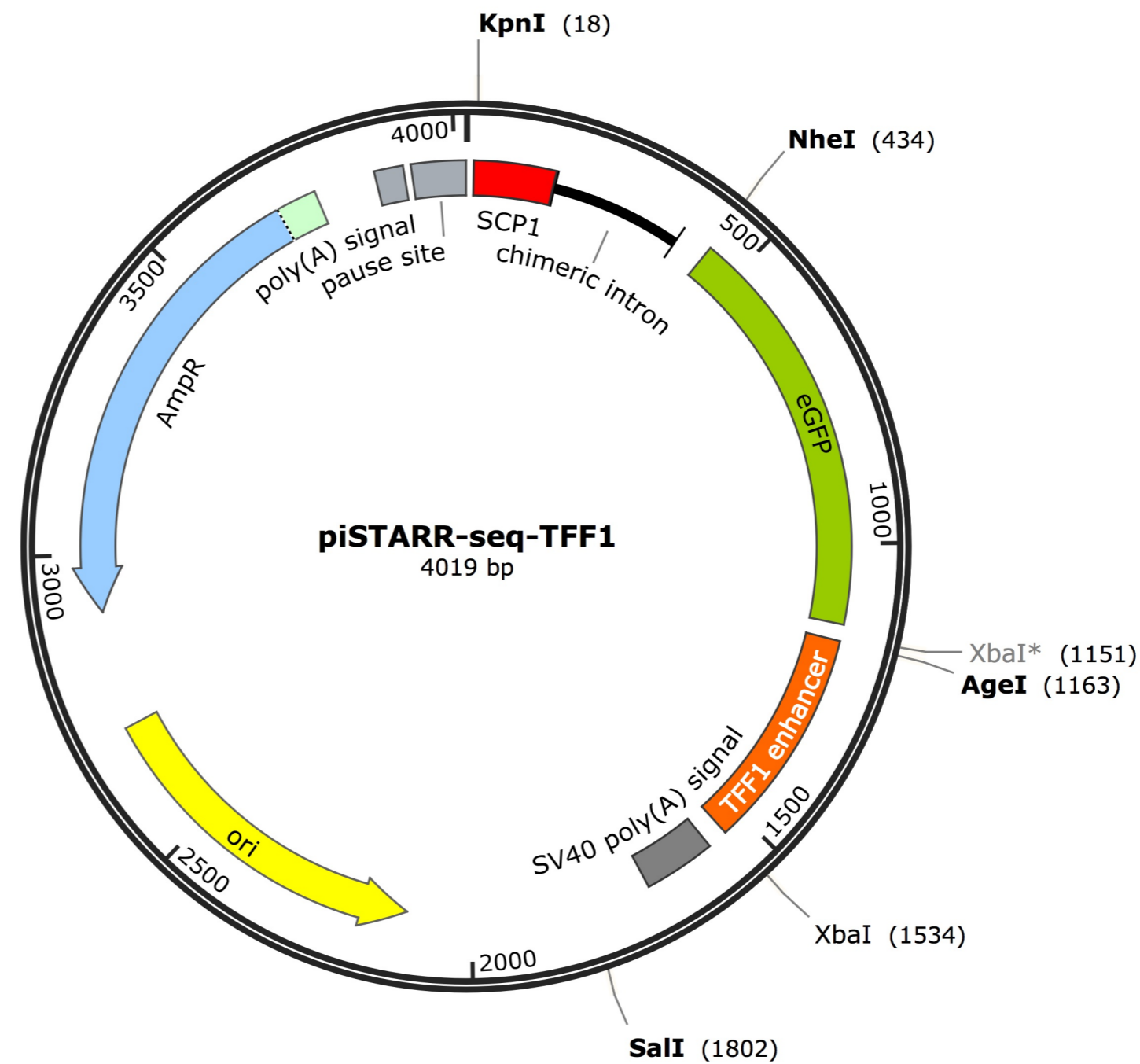
```
CCGGTGGGCAGGCTCTGTTTGCTTAAAGAgcgtagataacattgcctaaggag
gcccggggatcctctgagacaataatccactgattttatcaaagggtttcctagacatggcaagct
acatggaaggattgctgatagacagagacgacatgtggtagggtcatctggctgaggatctgaga
ttcagaaagtcctctttccatgggagtctctccaacctgacctaatccaggctactcatalctgag
aggcctcccggcagggtaaactgtactcactgcagaagtgattcatagtgagagatggccggaa
aaaggctggccgtgacaACAGTGGCTCACGGGGTGGTCTAG
```

Reporter gene GFP

Promoter, splice, PolyA
- Super Core Promoter 1 (SCP1)
- SV40 poly(A) signa

Comments

Reference Genome-wide quantitative enhancer activity maps identified by STARR-seq. Arnold CD, Gerlach D, Stelzer C, Boryn LM, Rath M, Stark A. Science. 2013 Mar 1;339(6123):1074-7. doi: 10.1126/science.1232542. Epub 2013 Jan 17. 10.1126/science.1232542 PubMed 23328393



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 2.8.17

Constructed by Nastaran Ghahhari

Date constructed 2016

PLASMID NAME

bacterial marker Amp

parent vector

piSTARR-seq

bacterial plasmid

other relevant source constructs

Inserts Test screening vector for the STARR-seq assay. GFP was replaced by luciferase as the reporter for enhancer activity.

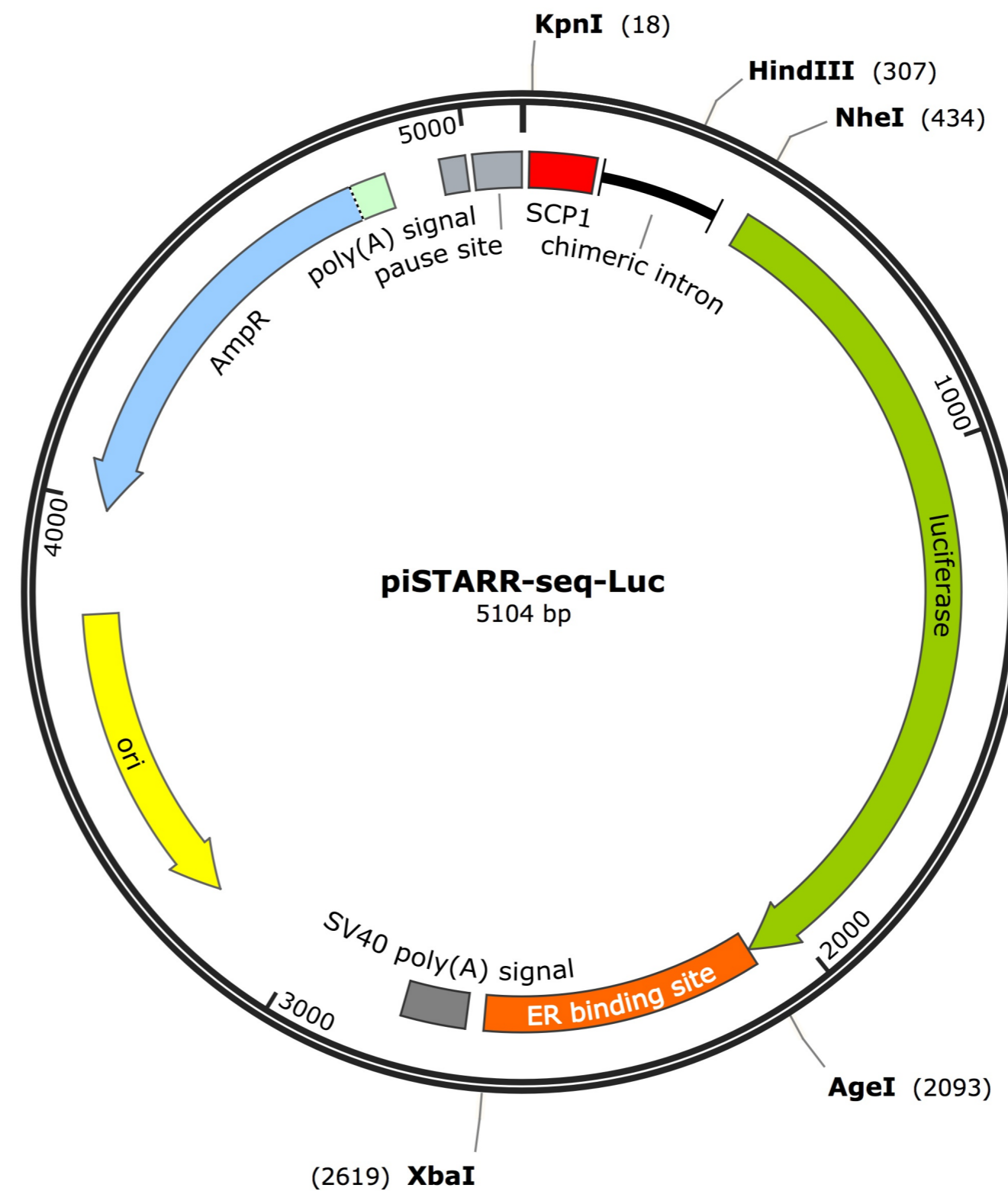
Reporter gene

Promoter, - Super Core Promoter 1 (SCP1)
splice, - SV40 poly(A) signa
PolyA

Comments Luciferase reporter assay to measure enhancer activity (enhancer inserted between AgeI and XbaI downstream of a super core promoter and a reporter gene).

Reference

Created with SnapGene®



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 2.8.17

Constructed by Nastaran Ghahhari

Date constructed 2016

PLASMID NAME

piSTARR-seq-luc-ERE

bacterial marker Amp	parent vector piSTARR-seq
	bacterial plasmid
	other relevant source constructs

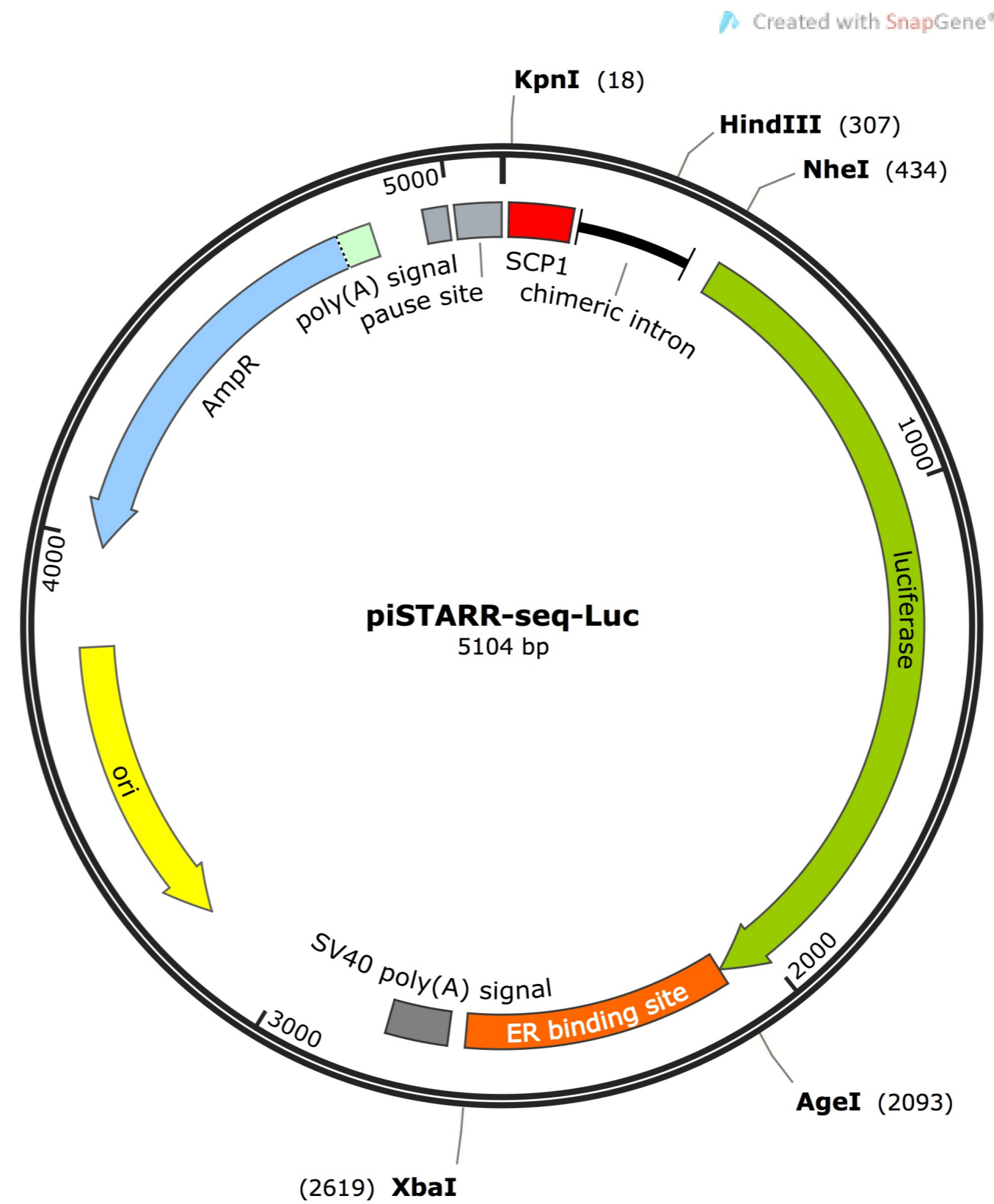
Inserts Test screening vector for the STARR-seq assay with single estrogen response element inserted between **AgeI** and **XbaI** sites (Fwd oligo: **CCGGTGAATTCTCAGGTCACAGTGACCTGT**).

Reporter gene

Promoter, splice, PolyA
- Super Core Promoter 1 (SCP1)
- SV40 poly(A) signal

Comments Luciferase reporter assay to measure enhancer activity (enhancer inserted between AgeI and XbaI downstream of a super core promoter and a reporter gene).

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 2.8.17

Constructed by Nastaran Ghahhari

Date constructed 2016

PLASMID NAME

piSTARR-seq-luc-CRE

bacterial marker Amp

parent vector

piSTARR-seq

bacterial plasmid

other relevant source constructs

Inserts Test control screening vector for the STARR-seq assay with 2 cAMP response elements inserted between **AgeI** and **XbaI** sites (Fwd oligo: **CCGGTGAATTCAGCCTGACGTCAGAGAGCCTGACGTCAGAGT**).

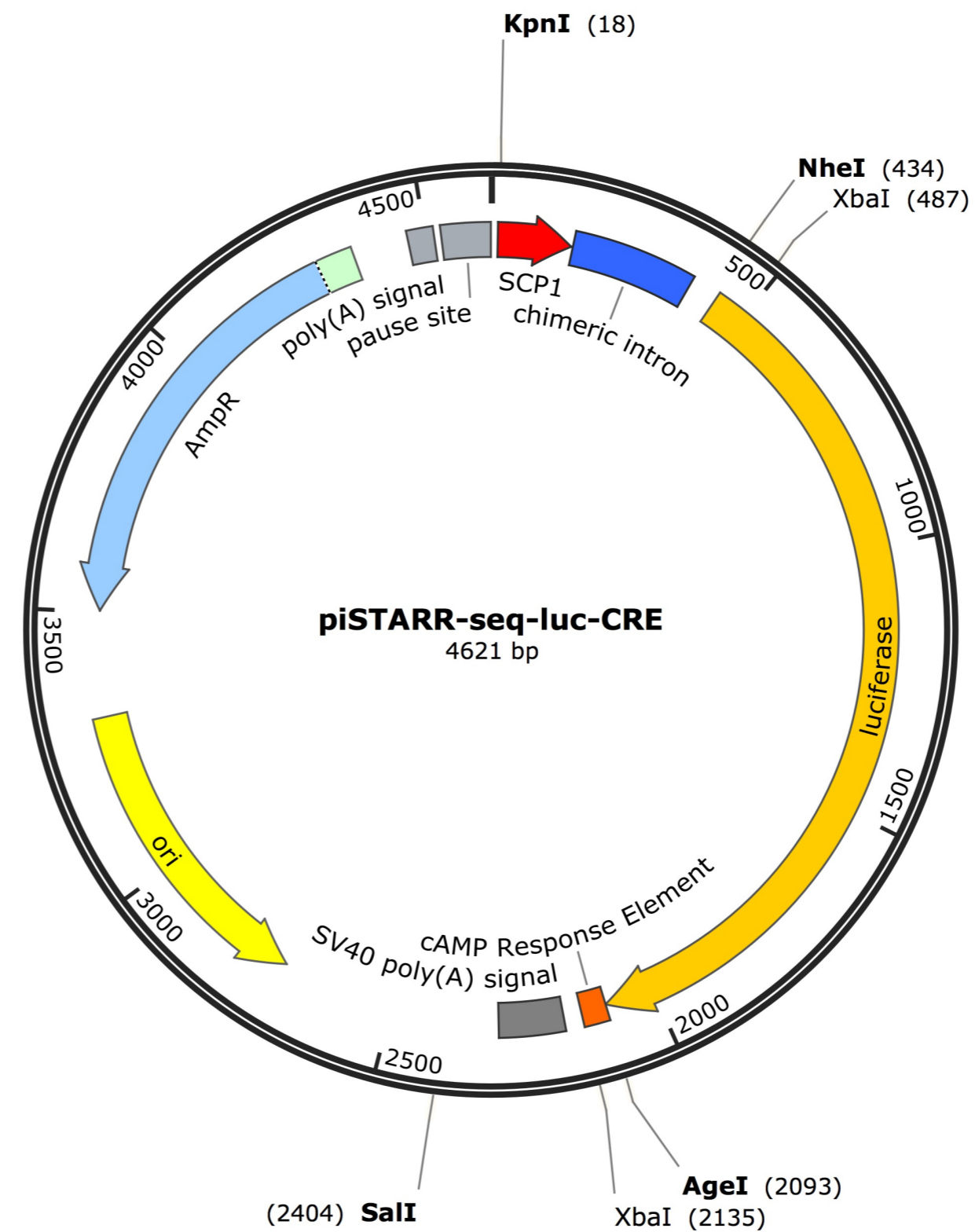
Reporter gene

Promoter, - Super Core Promoter 1 (SCP1)
splice, - SV40 poly(A) signal
PolyA

Comments Luciferase reporter assay to measure enhancer activity (enhancer inserted between AgeI and XbaI downstream of a super core promoter and a reporter gene).

Reference

Created with SnapGene®



DIDIER PICARD LAB, University of Geneva

Construct number

2690

Date entered

2.8.17

Constructed by

Nastaran Ghahhari

Date constructed

2016

PLASMID NAME

piSTARR-seq-luc-XETL

bacterial marker Amp

parent vector

piSTARR-seq

bacterial plasmid

other relevant source constructs

Inserts

Test control screening vector for the STARR-seq assay: insert sequence including the estrogen response element from XETL vector inserted between **AgeI** and **XbaI** sites (GGATCTCAGGTCACAGTGACCTGATCAAAGTTAATGTAACCTCAACCTGGAGATCC).

Reporter gene

GFP

Promoter,
splice,
PolyA

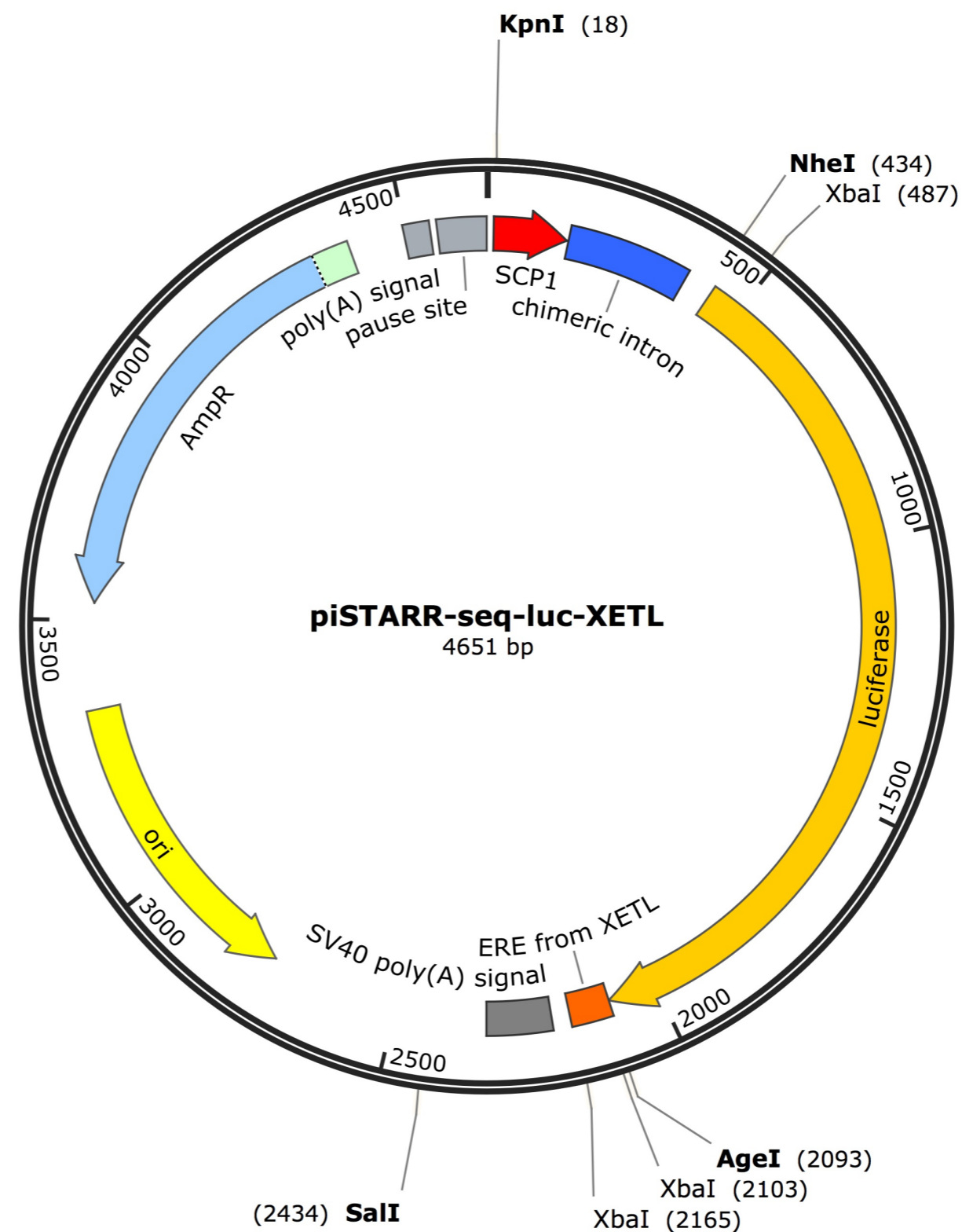
- Super Core Promoter 1 (SCP1)
- SV40 poly(A) signal

Comments

Luciferase reporter assay to measure enhancer activity (enhancer inserted between AgeI and XbaI downstream of a super core promoter and a reporter gene).

Reference

Created with SnapGene®



DIDIER PICARD LAB, University of Geneva

Construct number

2691

Date entered

2.8.17

Constructed by

Nastaran Ghahhari

Date constructed

2016

PLASMID NAME

piSTARR-seq-luc-TFF1

bacterial marker Amp

parent vector

piSTARR-seq

bacterial plasmid

other relevant source constructs

Inserts

Test screening vector for the STARR-seq assay with TFF1 enhancer (from bacterial artificial chromosome clone no. **RP11-619115**) inserted between **AgeI** and **XbaI** sites:

```
CCGGTGGGCAGGCTCTGTTTGCTTAAGAgcgtagataacattgcctaaggag
gcccgggacacctgagacaataatccactgattttatcaaagggtttcctagacatggcaagct
acatggaaggattgctgatagacagagacgacatgtggtaggcatcttgctgaggatctgaga
ttcagaaagtcctctttccatgggagtcctccaacctgacctaatccaggctactcatatctgag
aggcctcccggcagggtaaatactgtactactgcagaagtattcatagtgagagatggccggaa
aaaggctggccgtgacaACAGTGGCTCACGGGGTGGTCTAG
```

Reporter gene

luciferase

Promoter,
splice,
PolyA

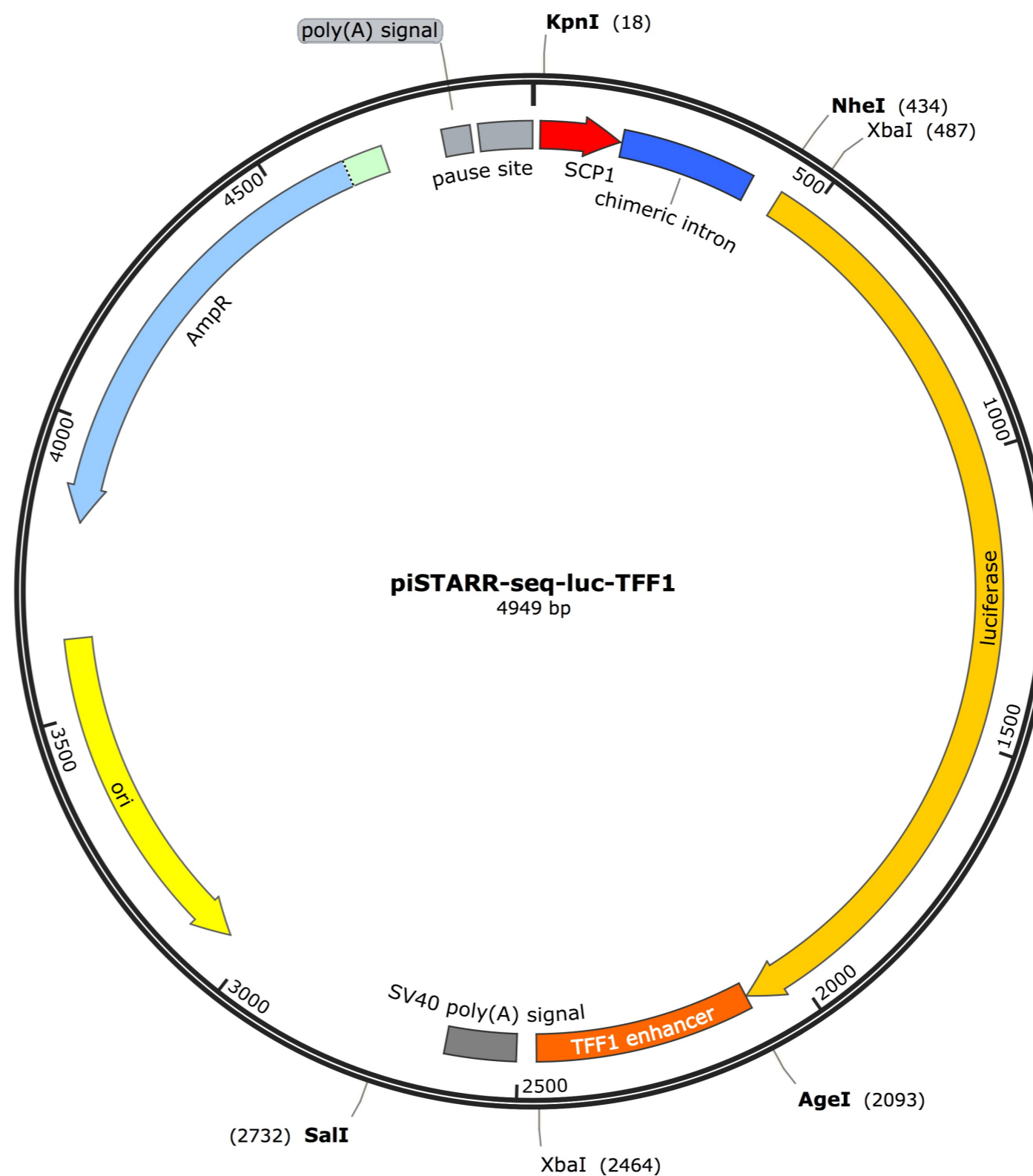
- Super Core Promoter 1 (SCP1)
- SV40 poly(A) signa

Comments

Luciferase reporter assay to measure enhnacer activity (ehnacer inserted between AgeI and XbaI downstream of a super core promoter and a reporter gene).

Reference

Created with SnapGene®



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 30.06.15

PLASMID NAME

shBCAR1.1

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human BCAR1 inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hBCAR1 is :

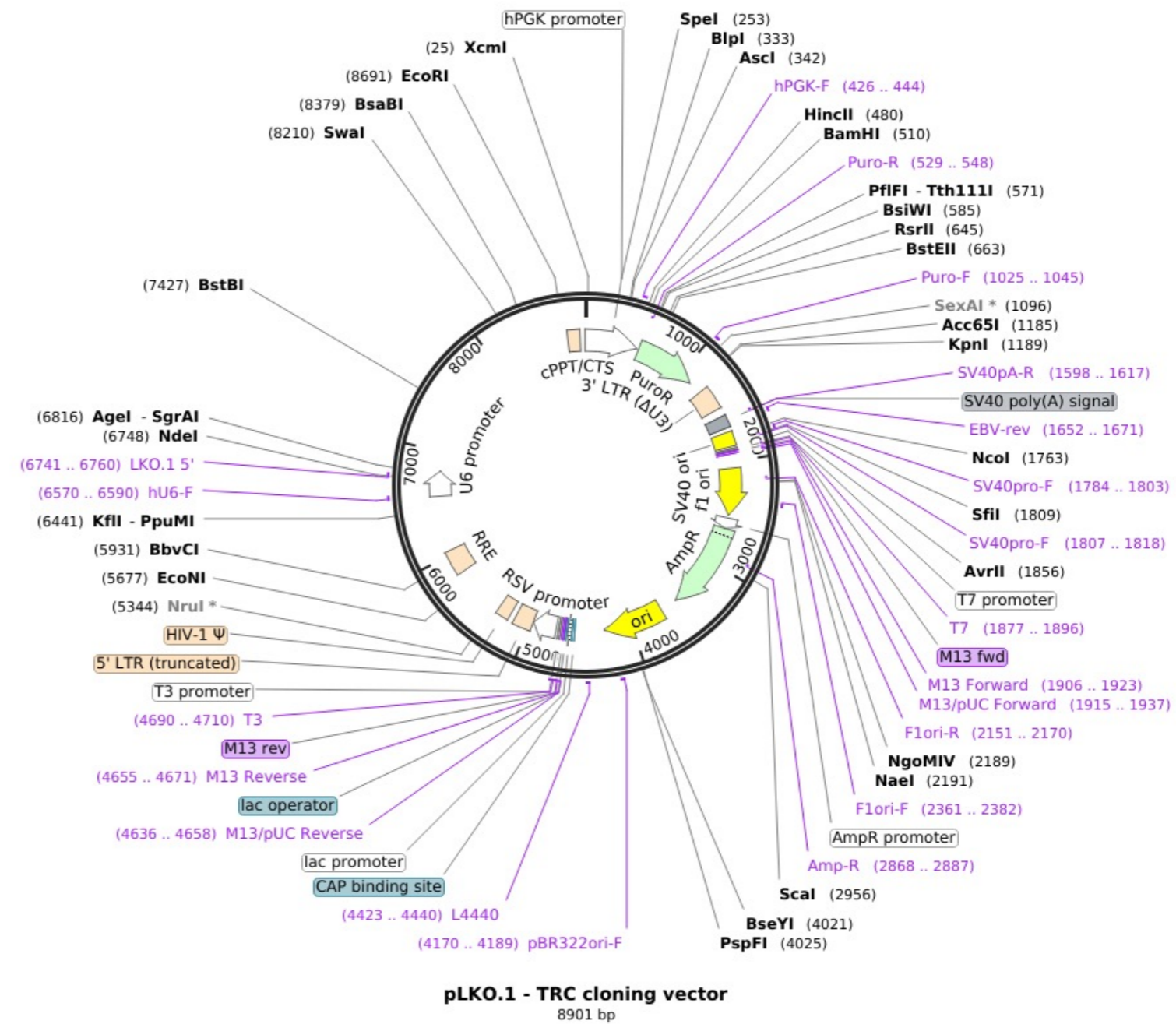
5'-CC CAG GAA TCT GTA TAT ATT T-3'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 30.06.15

PLASMID NAME

shBCAR1.2

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human BCAR1 inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hBCAR1 is :

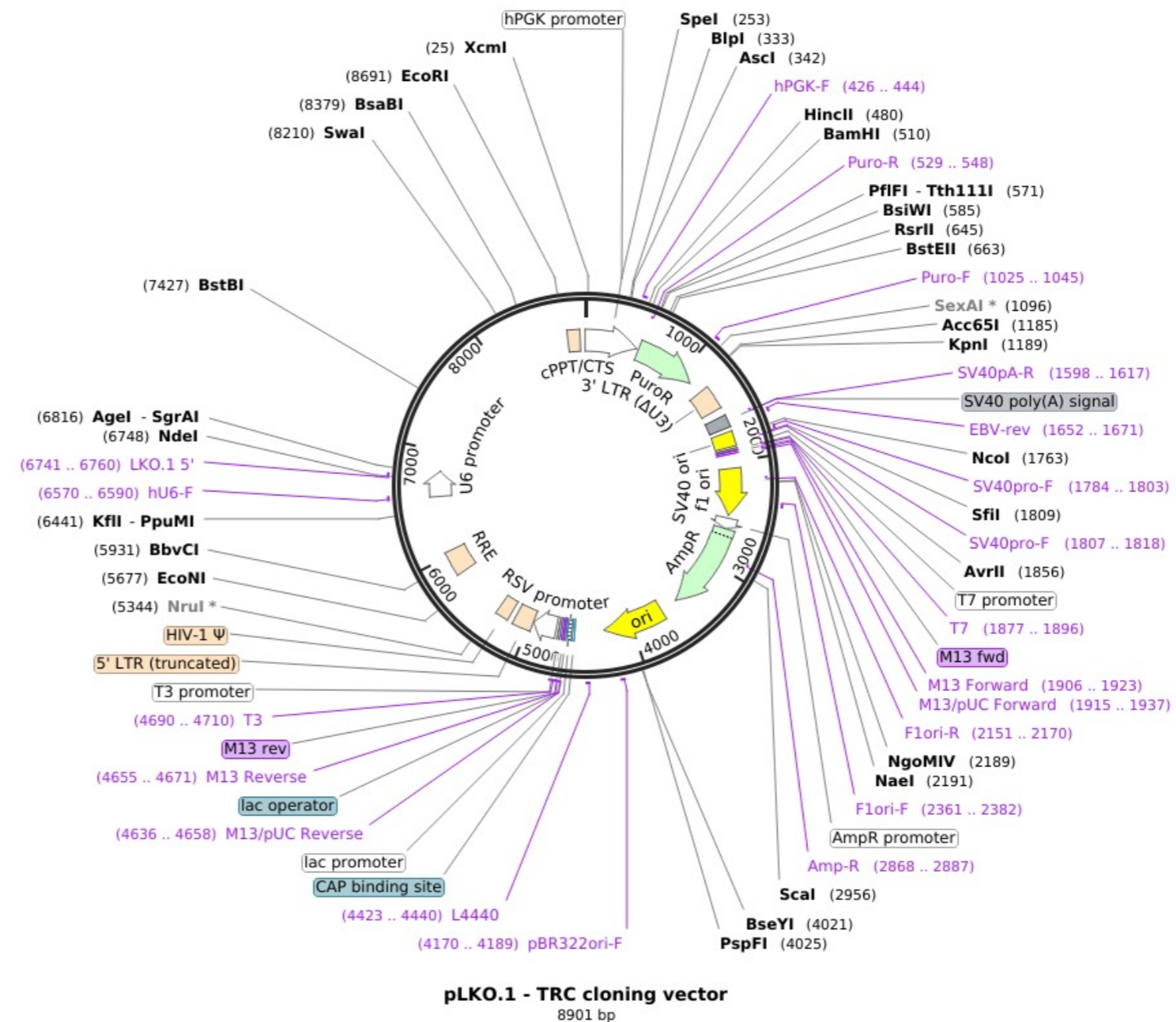
5'-GC CAC AGG ACA TCT ATG ATG T-3'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 30.06.15

PLASMID NAME

shBCAR1.3

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human BCAR1 inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hBCAR1 is :

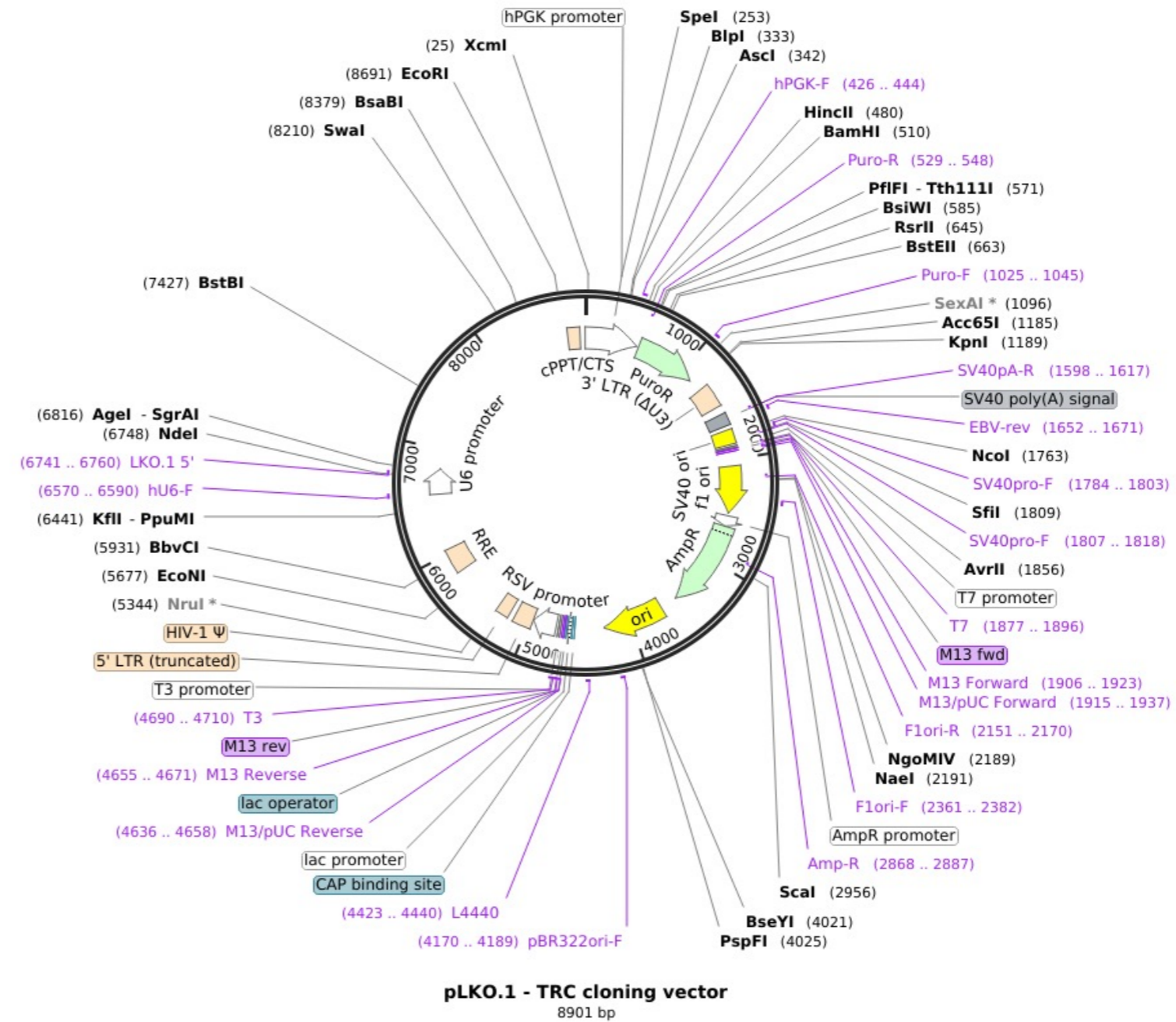
5'-GC TGA AGC AGT TTG AAC GAC T-3'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 25.11.14

PLASMID NAME

shPELP1.1

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human PELP1 inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hPELP1 is :

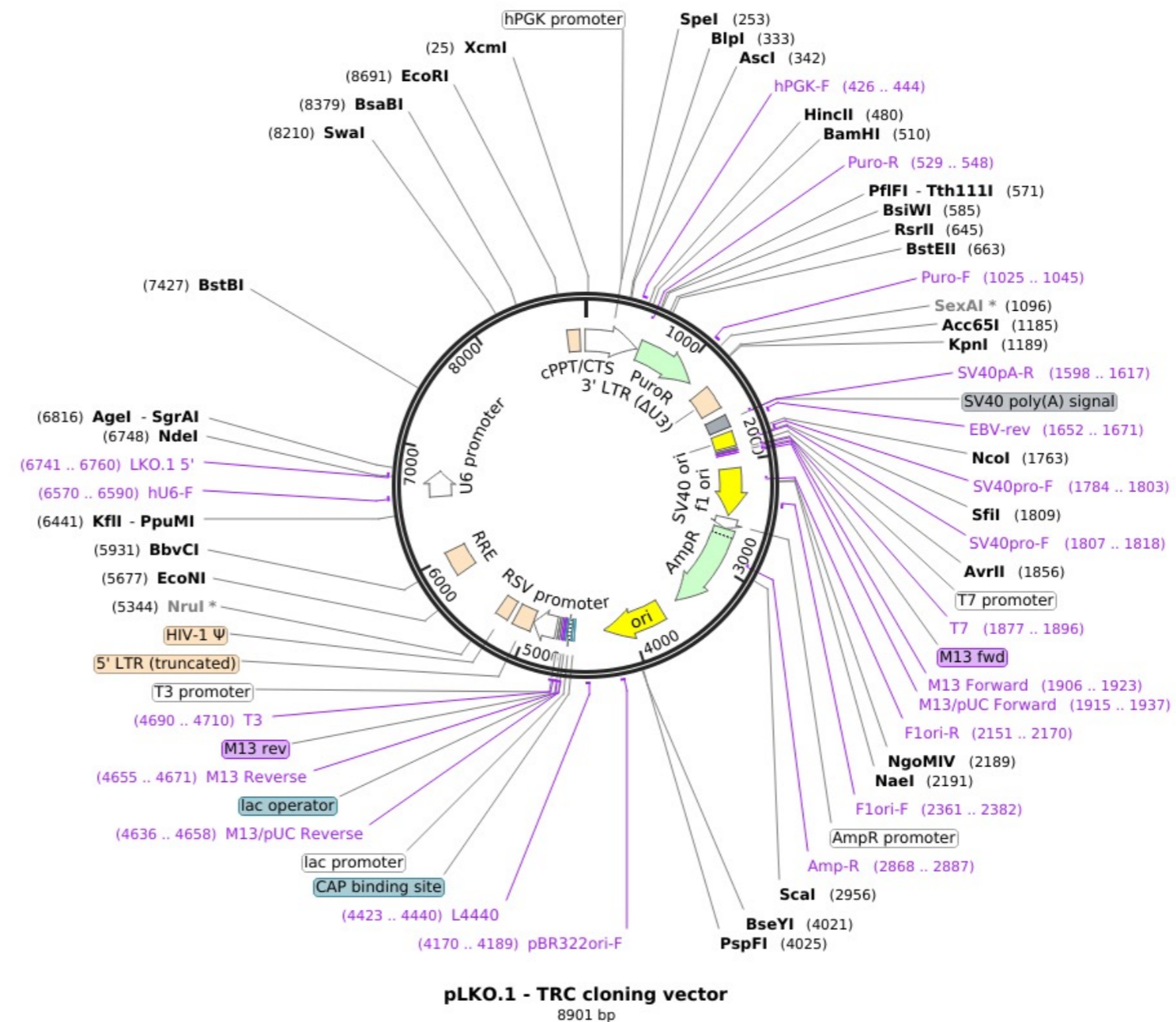
5'-GA AGA GGA TTT GAC AGT TAT T-3'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 25.11.14

PLASMID NAME

shPELP1.2

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human PELP1 inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hPELP1 is :

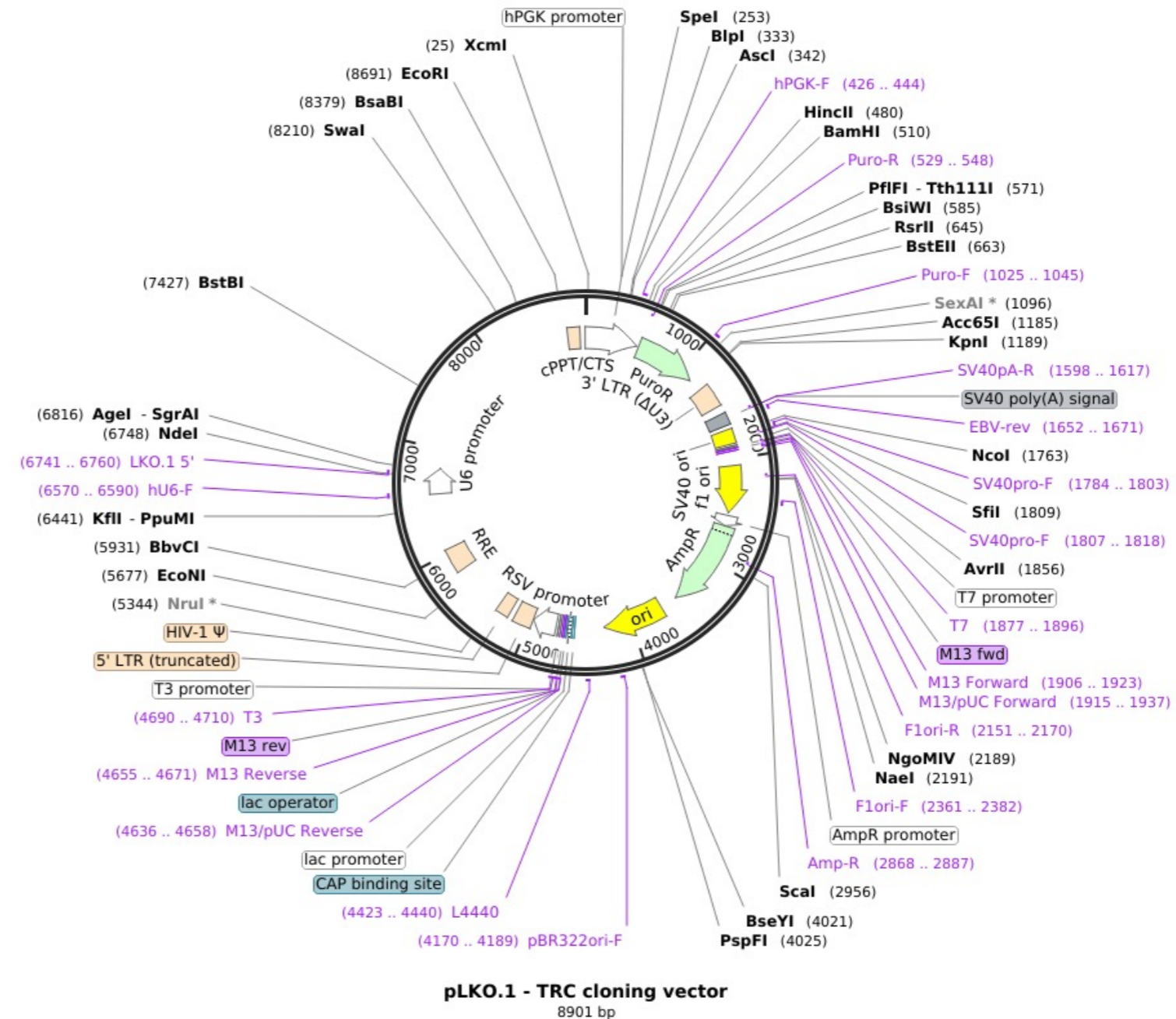
5'-GA AGA GGA TGA AGA GGA ATA T-3'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 25.11.14

PLASMID NAME

shPELP1.3

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human PELP1 inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hPELP1 is :

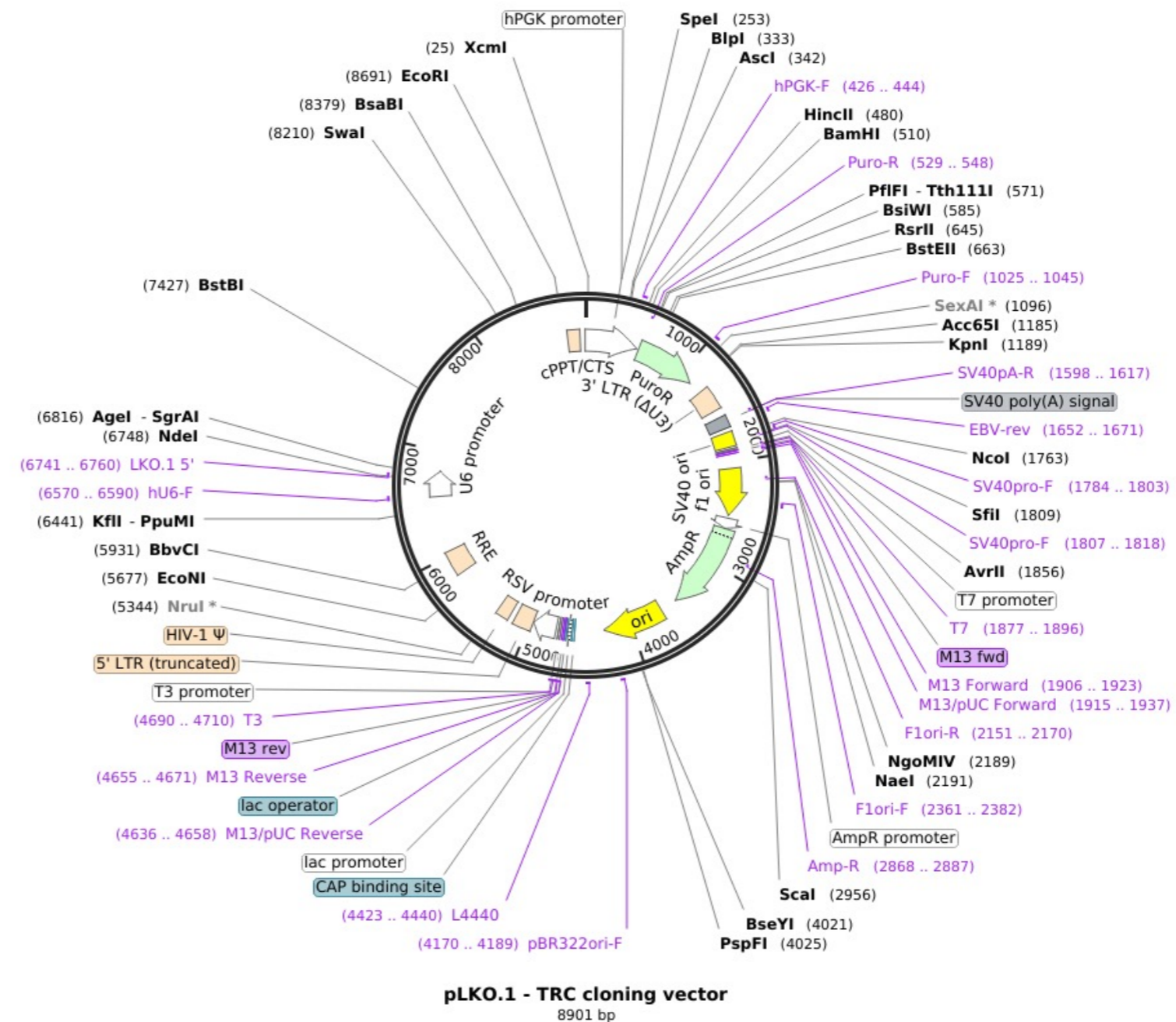
5'-GA AGA GTT TGA GGA AGA ATT T-3'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 21.10.16

PLASMID NAME

shUBC9.1

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human UBC9 inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hUBC9 is :

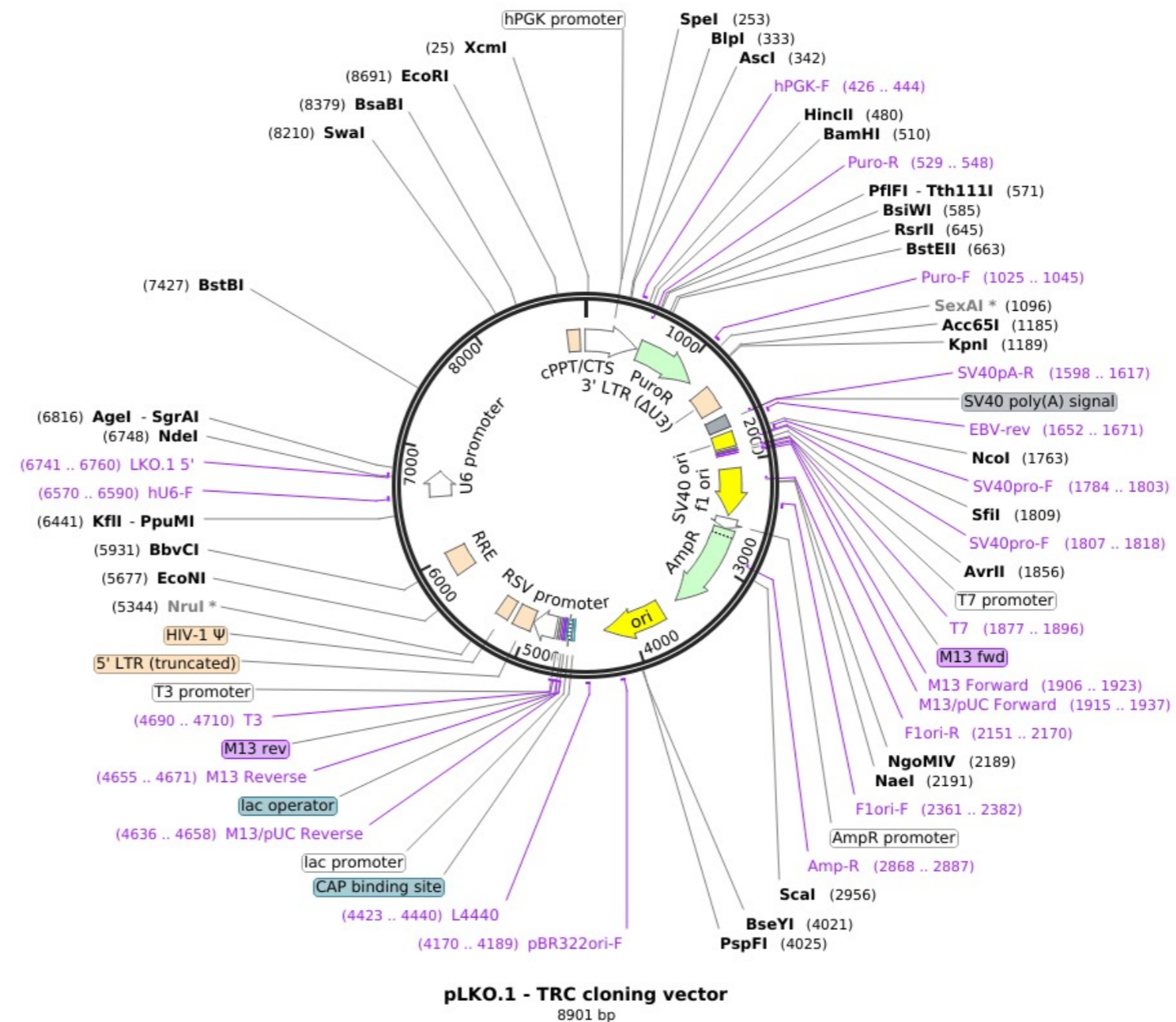
5'-TG GCA CAA TGA ACC TGA TGA A-3'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 21.10.16

PLASMID NAME

shUBC9.2

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human UBC9 inserted between EcoR1 and AgeI restriction sites in place of the stuffer. The specific sequence targeting hUBC9 is :

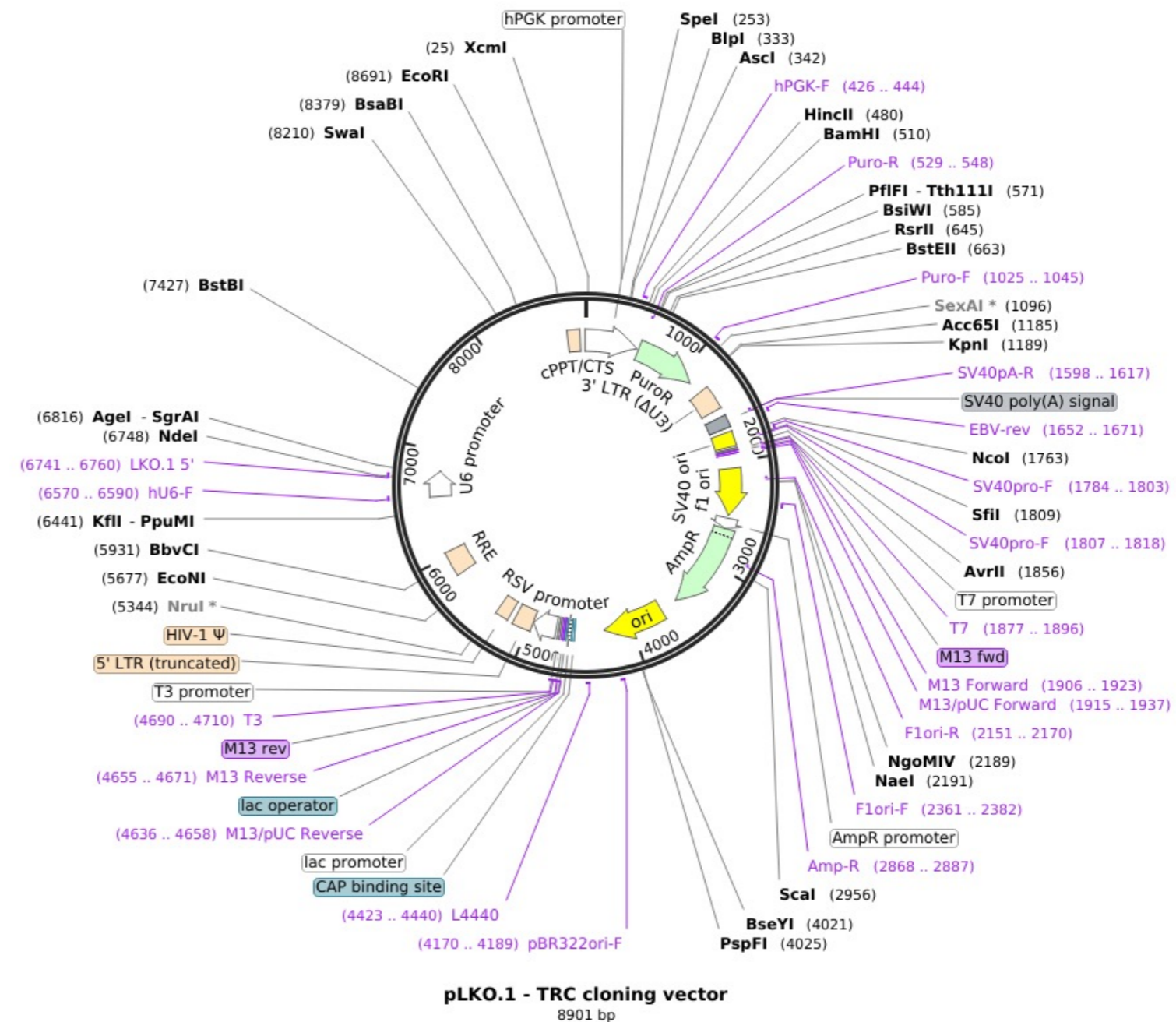
5'-AG GCC AGC TAT CAC CAT CAA A-3'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2701

Date entered

3.8.17

Constructed by

Gregory Segala

Date constructed

26.07.15

PLASMID NAME

shINO80.1

bacterial marker Amp

vertebrate marker Puromycin

eukaryotic replicon SV40 ori

parent vector pLKO.1

bacterial plasmid

other relevant source constructs

Inserts

Sequence directed against human INO80 inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hINO80 is :

5'-GC TAG TAA GGG AGA TTG TAT A-3'

Reporter gene

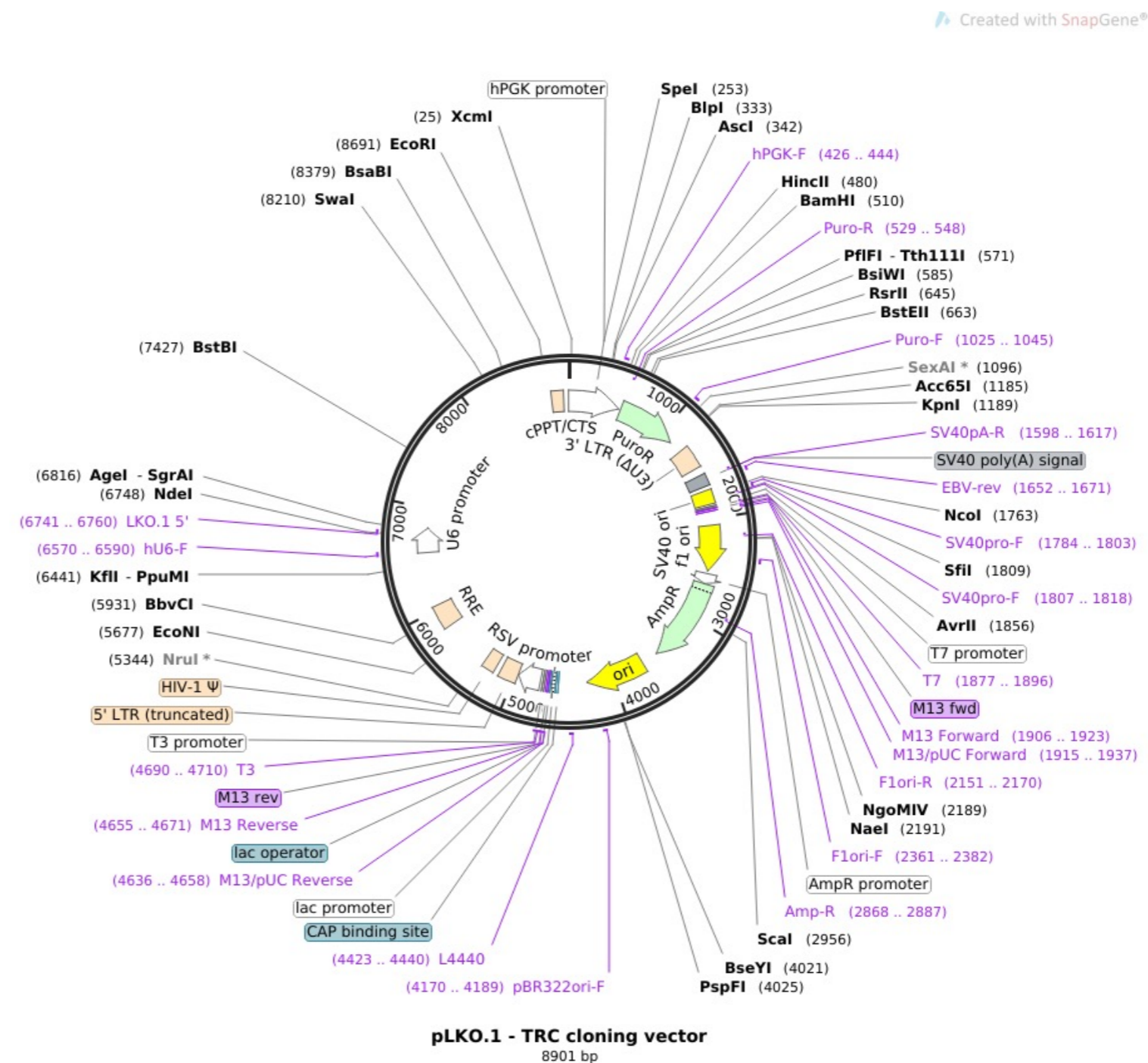
Promoter, splice, PolyA U6 promoter

Comments

For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference

Segala et al., Molecular Cell (2016)



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 26.07.15

PLASMID NAME

shINO80.2

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human INO80 inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hINO80 is :

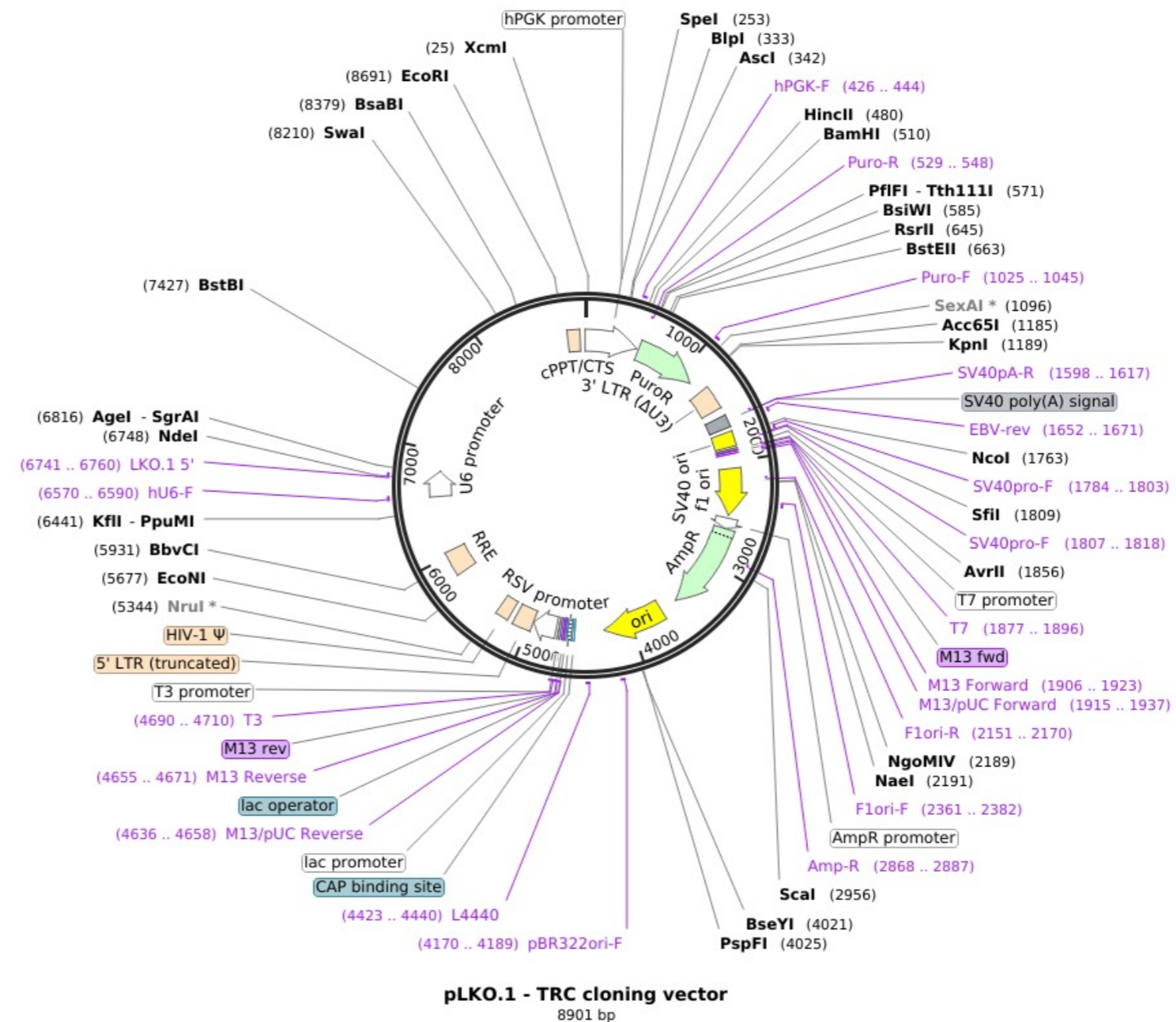
5'-GG ATC CCT TAA TAC AAG TTA A-3'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al., Molecular Cell (2016)



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 26.07.15

PLASMID NAME

shANP32E.1

Created with SnapGene®

<u>bacterial marker</u>	Amp	<u>parent vector</u>	pLKO.1
<u>vertebrate marker</u>	Puromycin	<u>bacterial plasmid</u>	
<u>eukaryotic replicon</u>	SV40 ori	<u>other relevant source constructs</u>	

Inserts Sequence directed against human ANP32E inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hANP32E is :

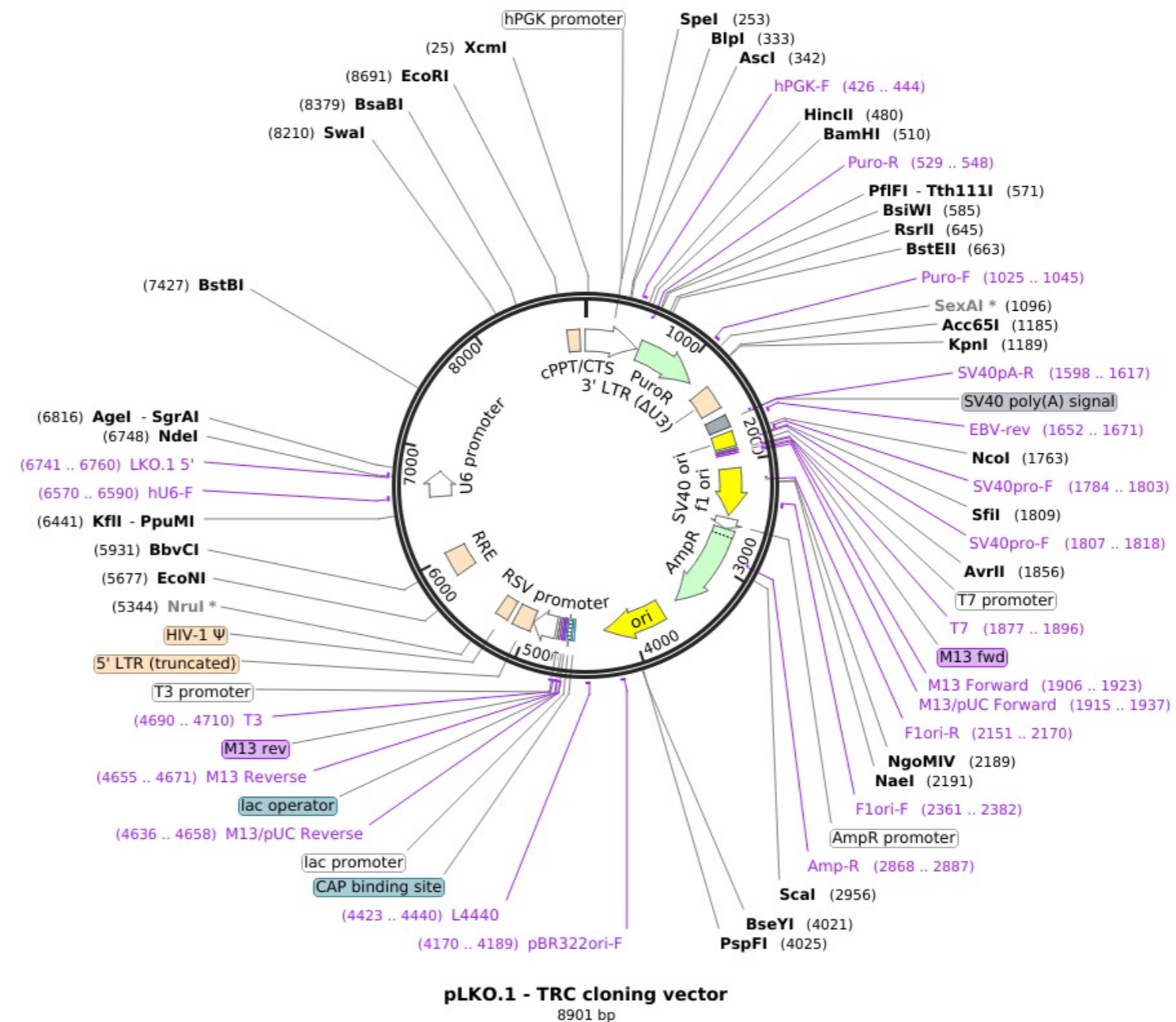
5'-CT AGT CTG TTA ATG ATC ATA T-3'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al., Molecular Cell (2016)



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 26.07.15

PLASMID NAME

shANP32E.2

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human ANP32E inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hANP32E is :

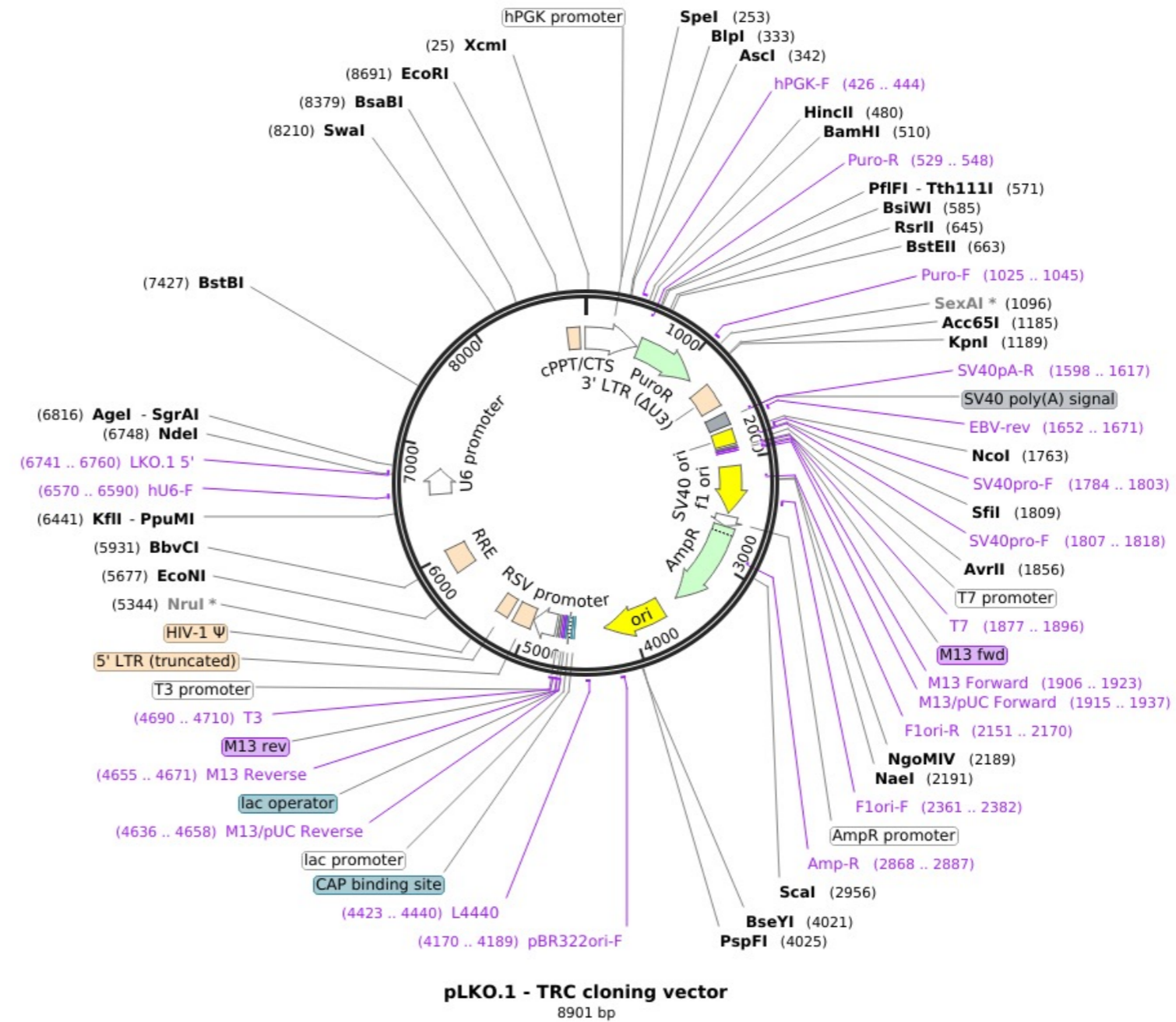
5'-GT ATG GCT AAT GTG GAA CTA A-3'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al., Molecular Cell (2016)



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 31.03.14

PLASMID NAME

shHRS.1

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human HRS inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hHRS is :

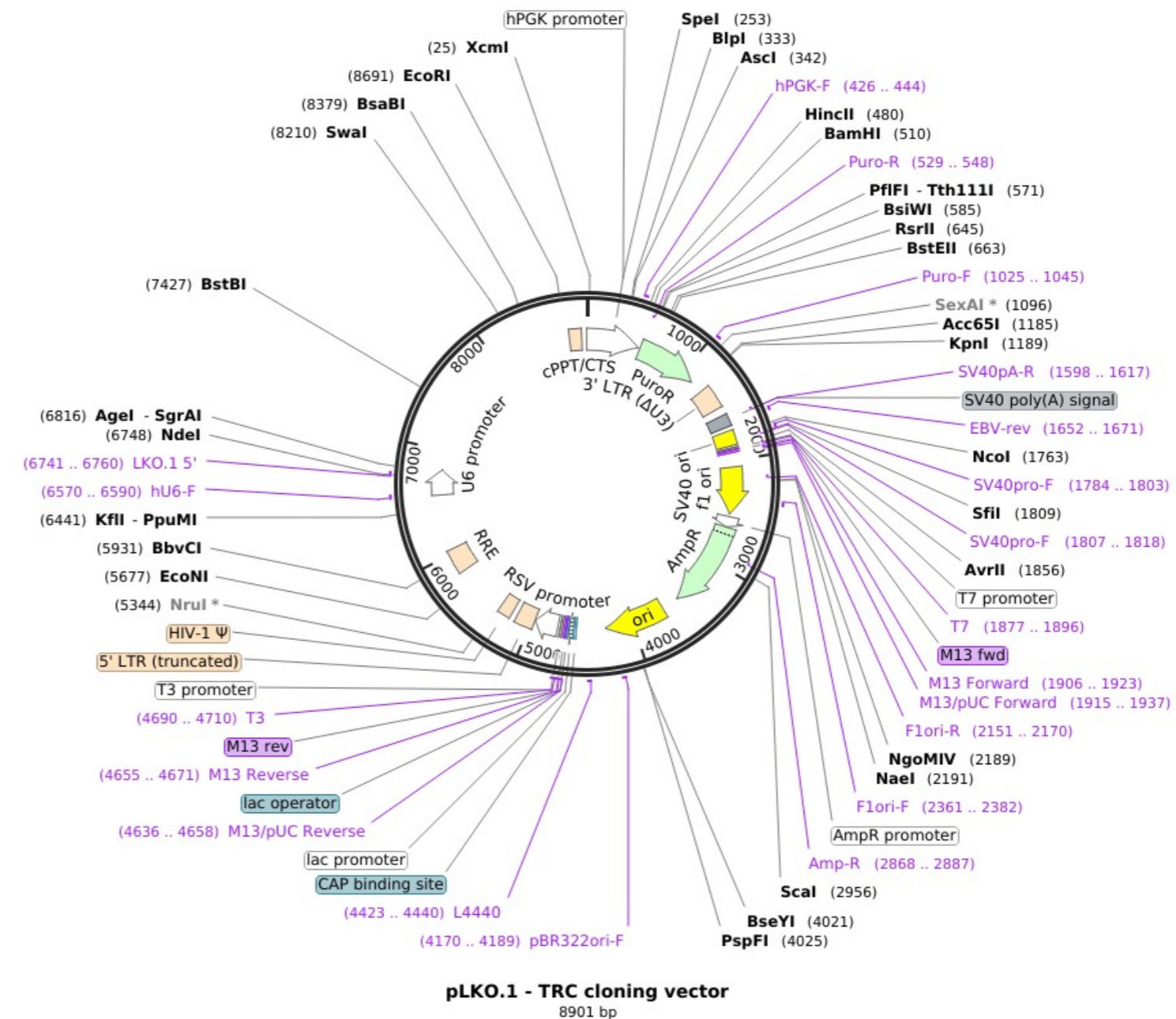
5'-CT CAC GTC CGG AGT AAC ACT A-3'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 31.03.14

PLASMID NAME

shHRS.2

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human HRS inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hHRS is :

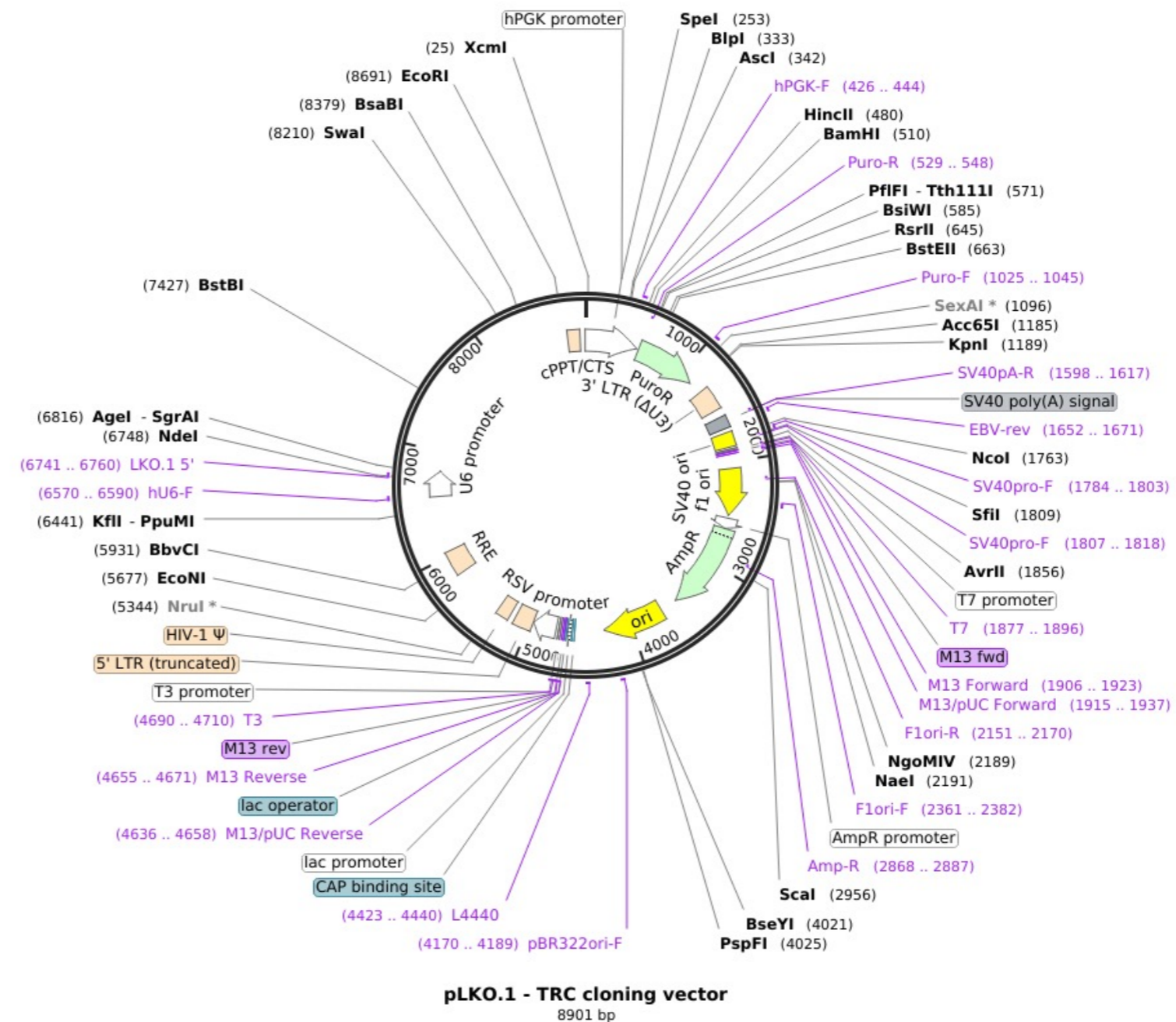
5'-GC ACG TCT TTC CAG AAT TCA A-3'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 31.03.14

PLASMID NAME

shHRS.3

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human HRS inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hHRS is :

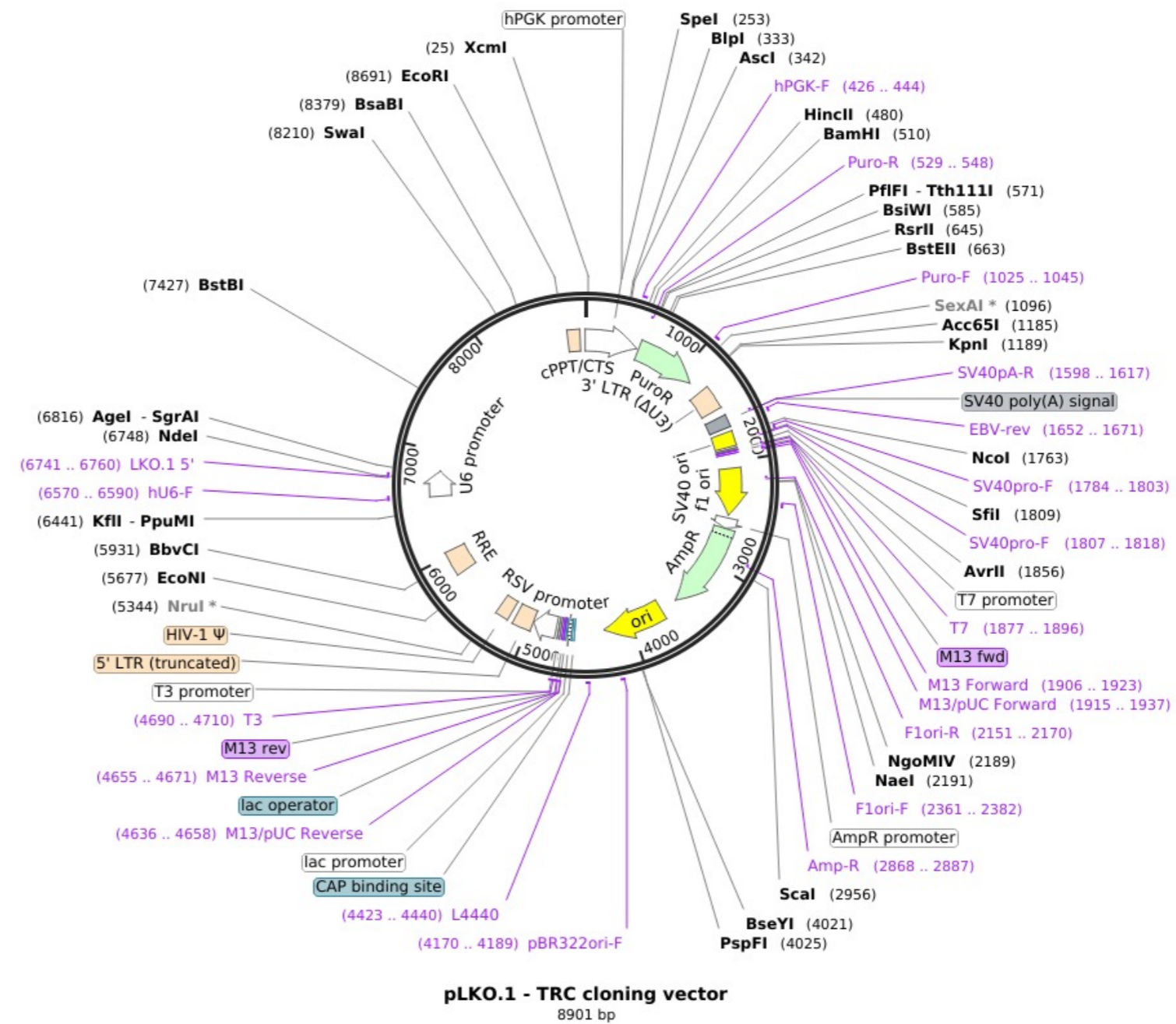
5'-CC GCA TGA AGA GTA ACC ACA T-3'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 26.05.15

PLASMID NAME

shSQSTM1.1

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human SQSTM1 inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hSQSTM1 is :

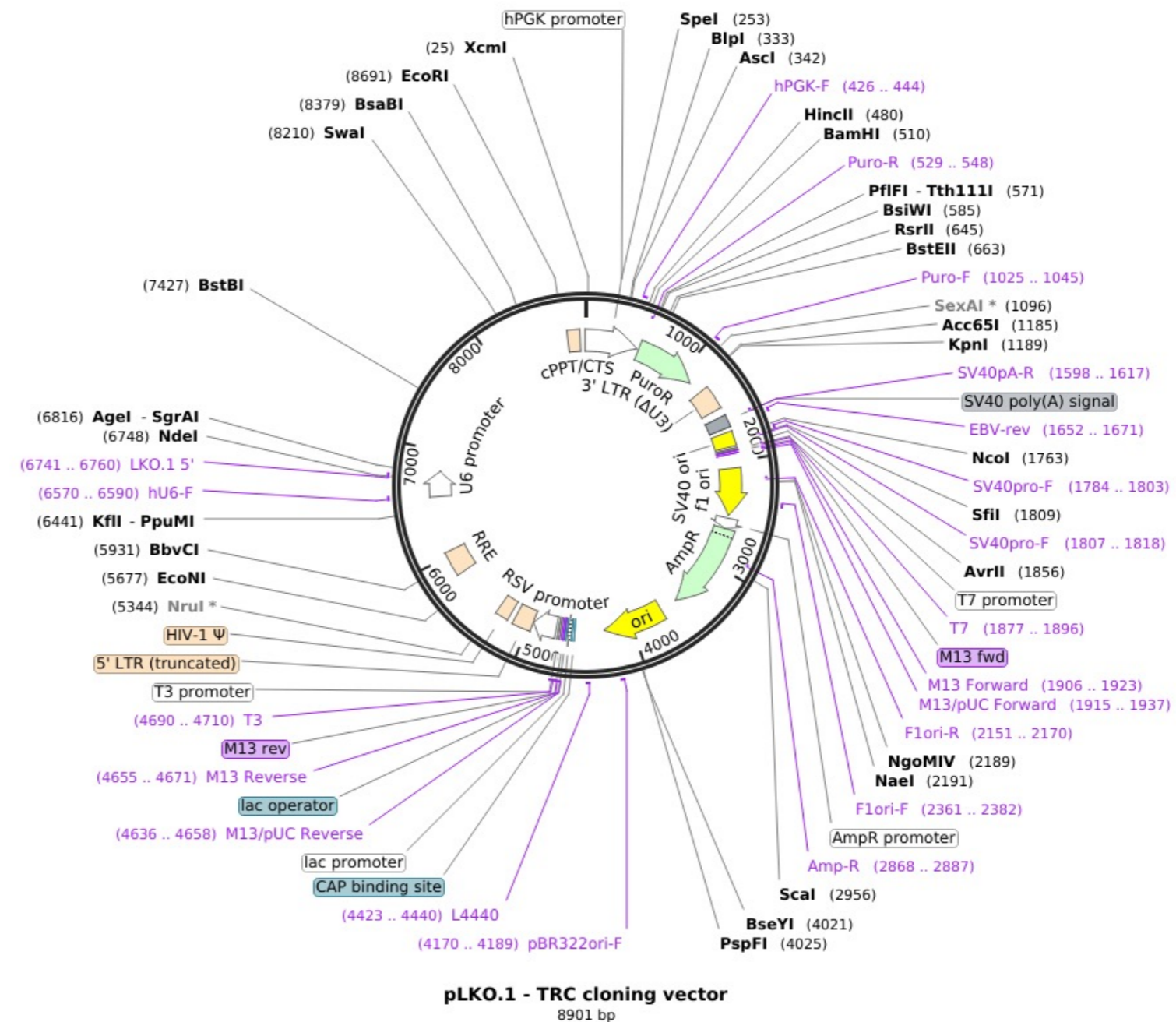
5'-CC TCT GGG CAT TGA AGT TGA T-3'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 26.05.15

PLASMID NAME

shSQSTM1.2

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human SQSTM1 inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hSQSTM1 is :

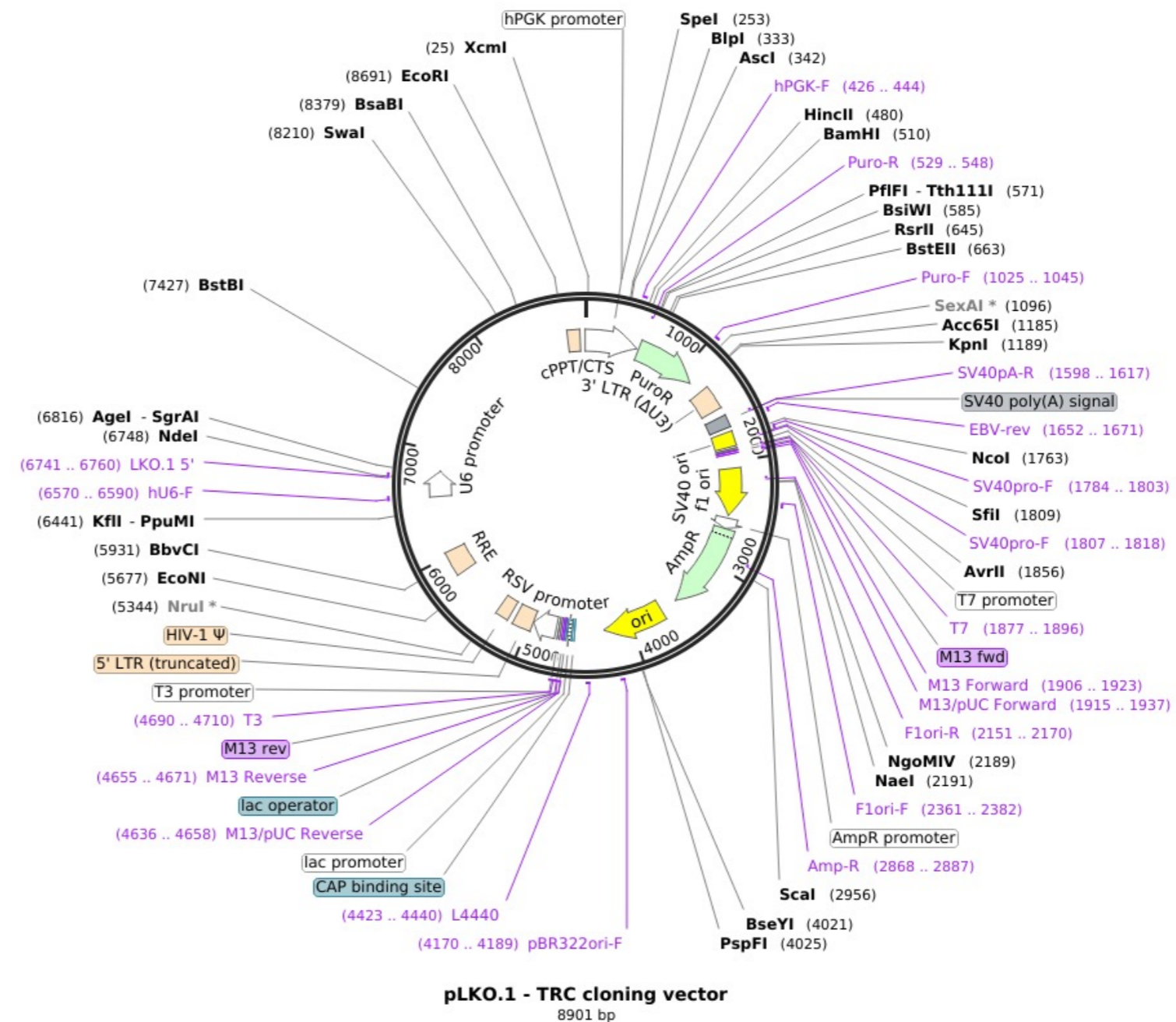
5'-CC GAA TCT ACA TTA AAG AGA A-3'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by TRC consortium

Date constructed 13.01.13

PLASMID NAME

shVcl.1

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human VCL inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hVCL is :

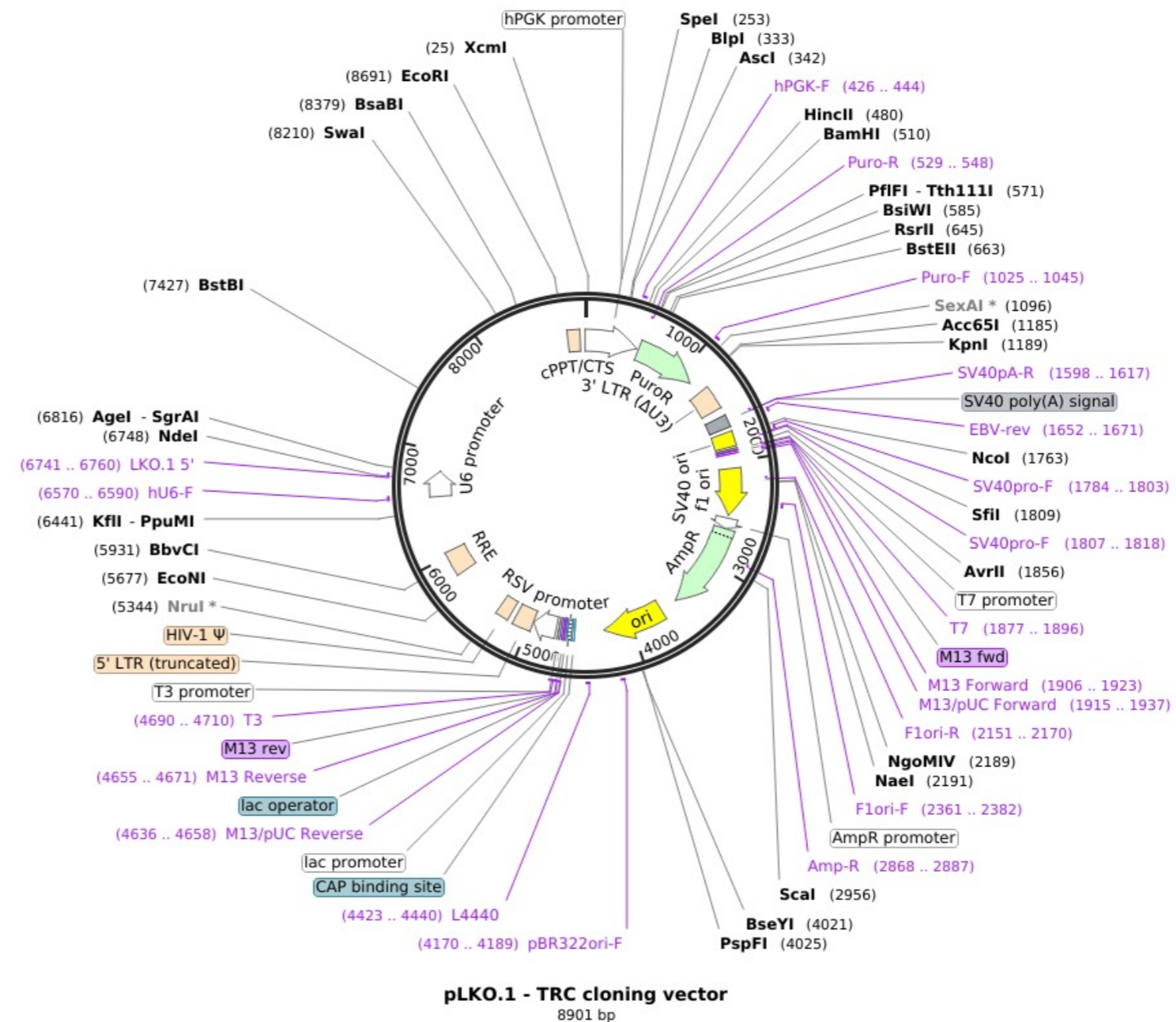
3'-TT AGT AAC TGA TTT GCC TGG G-5'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by TRC consortium

Date constructed 13.01.13

PLASMID NAME

shVcl.2

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human VCL inserted between EcoRI and Agel restriction sites in place of the stuffer. The specific sequence targeting hVCL is :

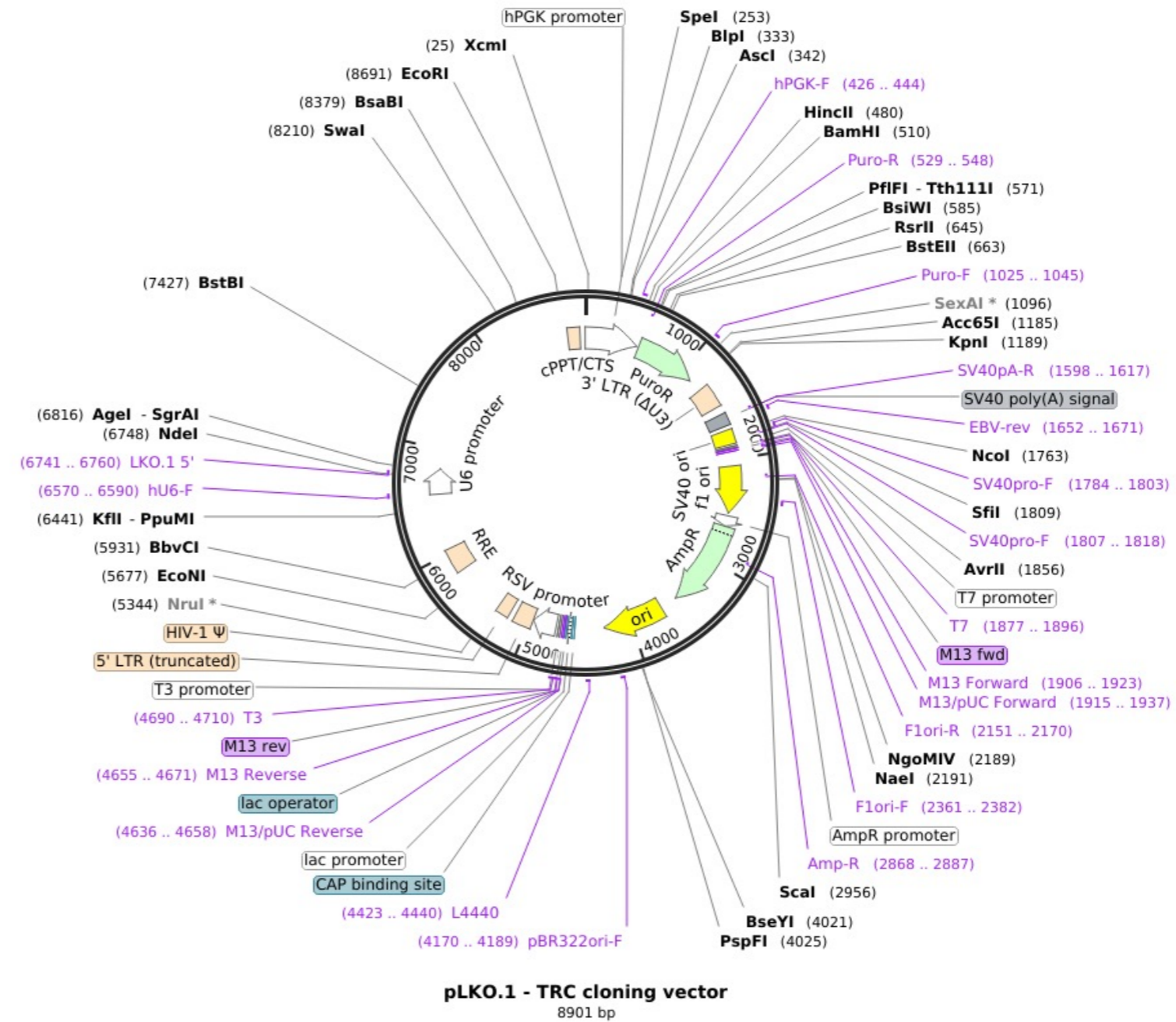
3'-TT CTA ATC CGT TTA TCT GTG C-5'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by TRC consortium

Date constructed 13.01.13

PLASMID NAME

shVcl.3

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human VCL inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hVCL is :

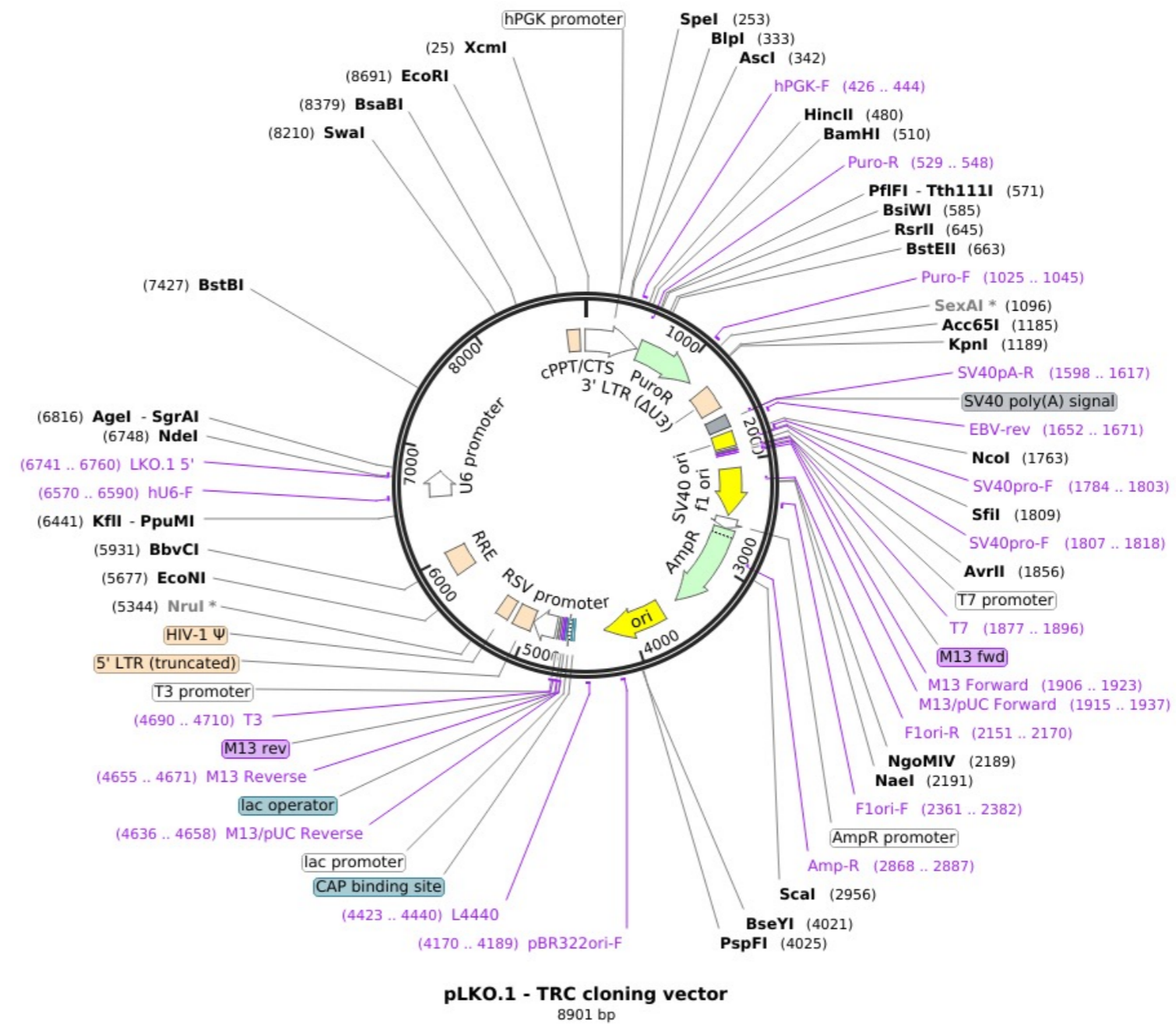
3'-TA AGC AGC TTG ATT TCC AGG G-5'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by TRC consortium

Date constructed 13.01.13

PLASMID NAME

shVcl.4

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human VCL inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hVCL is :

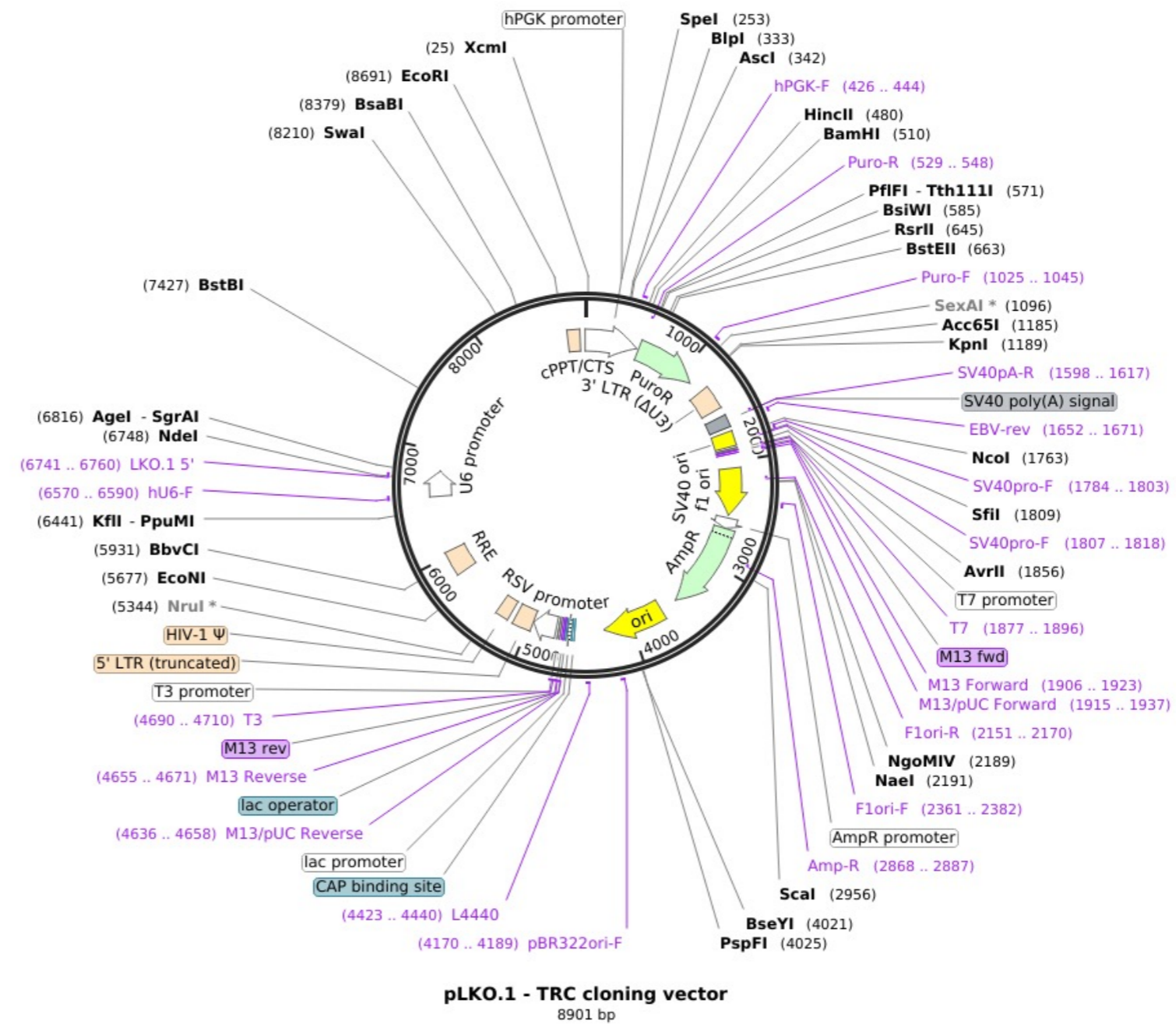
3'-AT TTA TTA GCA GTA CCA ACC G-5'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Saioa Blanco Cabanes

Date constructed 28.08.14

PLASMID NAME

shVcl.5

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human VCL inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hVCL is :

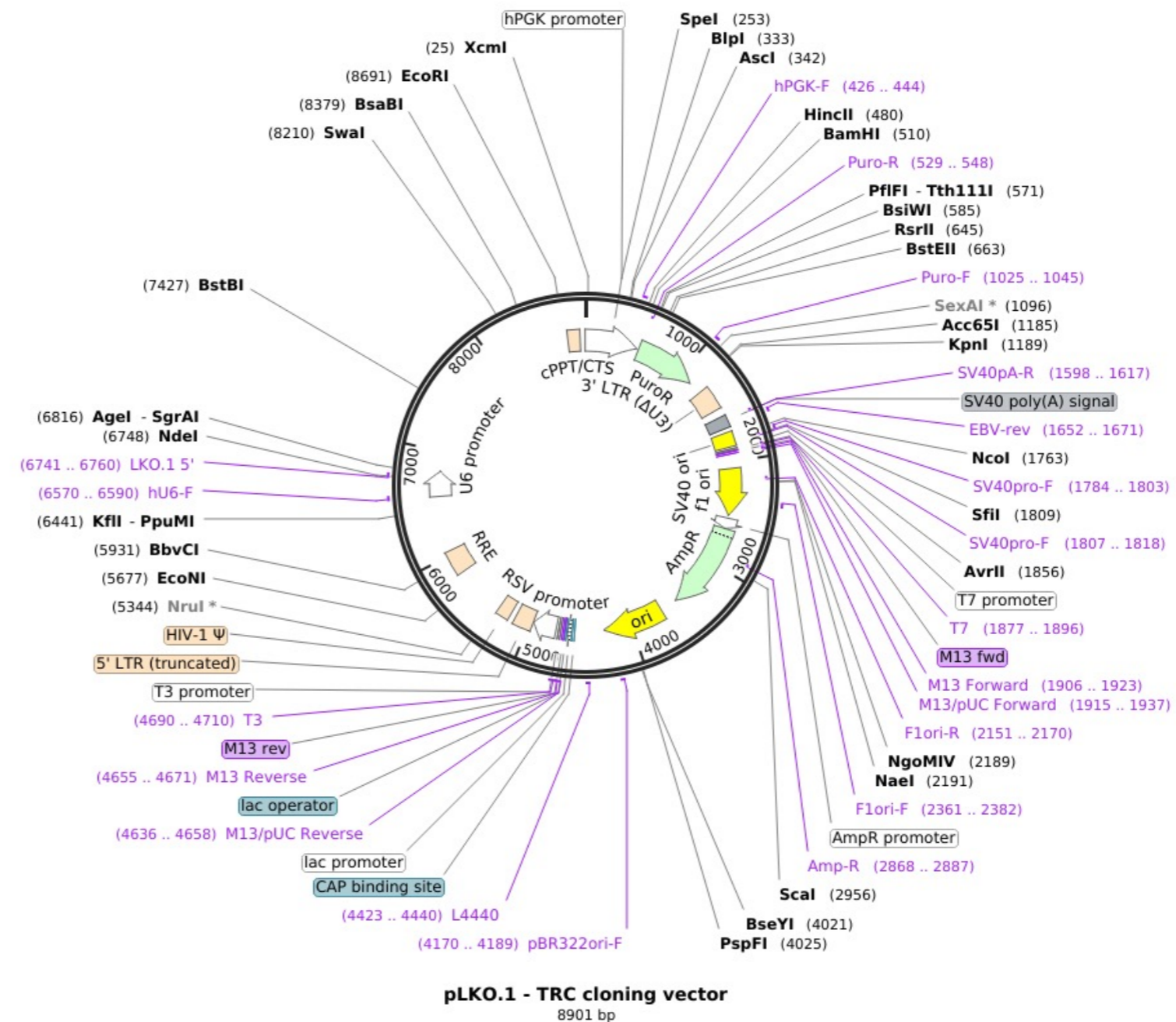
5'-GA TGA ATC AAT GGG AAA TAT T-3'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Saioa Blanco Cabanes

Date constructed 28.08.14

PLASMID NAME

shVcl.6

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human VCL inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hVCL is :

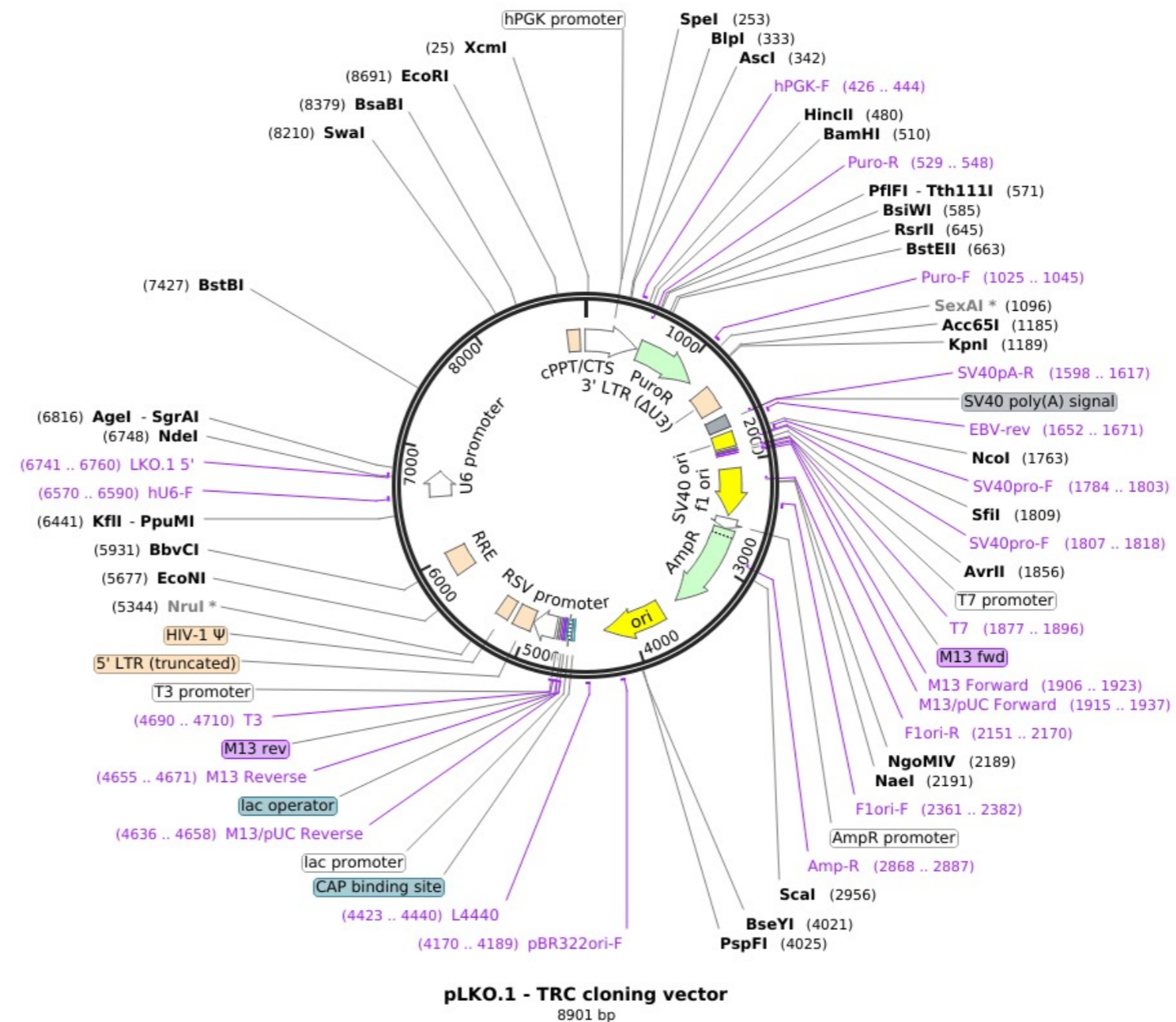
5'-GG TGT TTG TTC ATC TGT AAT T-3'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Saioa Blanco Cabanes

Date constructed 28.08.14

PLASMID NAME

shVcl.7

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human VCL inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hVCL is :

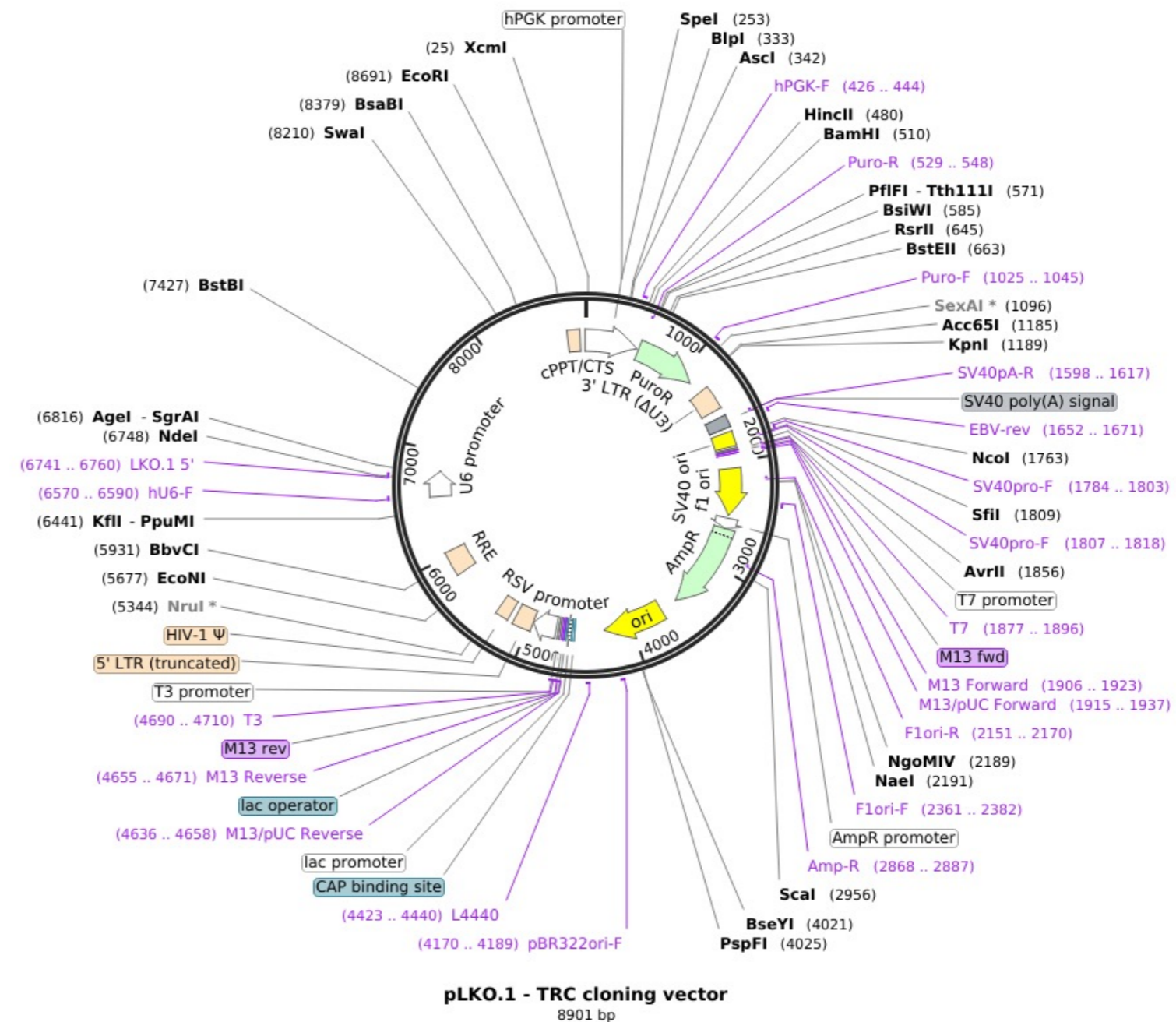
5'-CC CTC AGC ATA TTT GTA TAT T-3'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by TRC consortium

Date constructed 13.01.13

PLASMID NAME

shAnk3.1

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human Ank3 inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hAnk3 is :

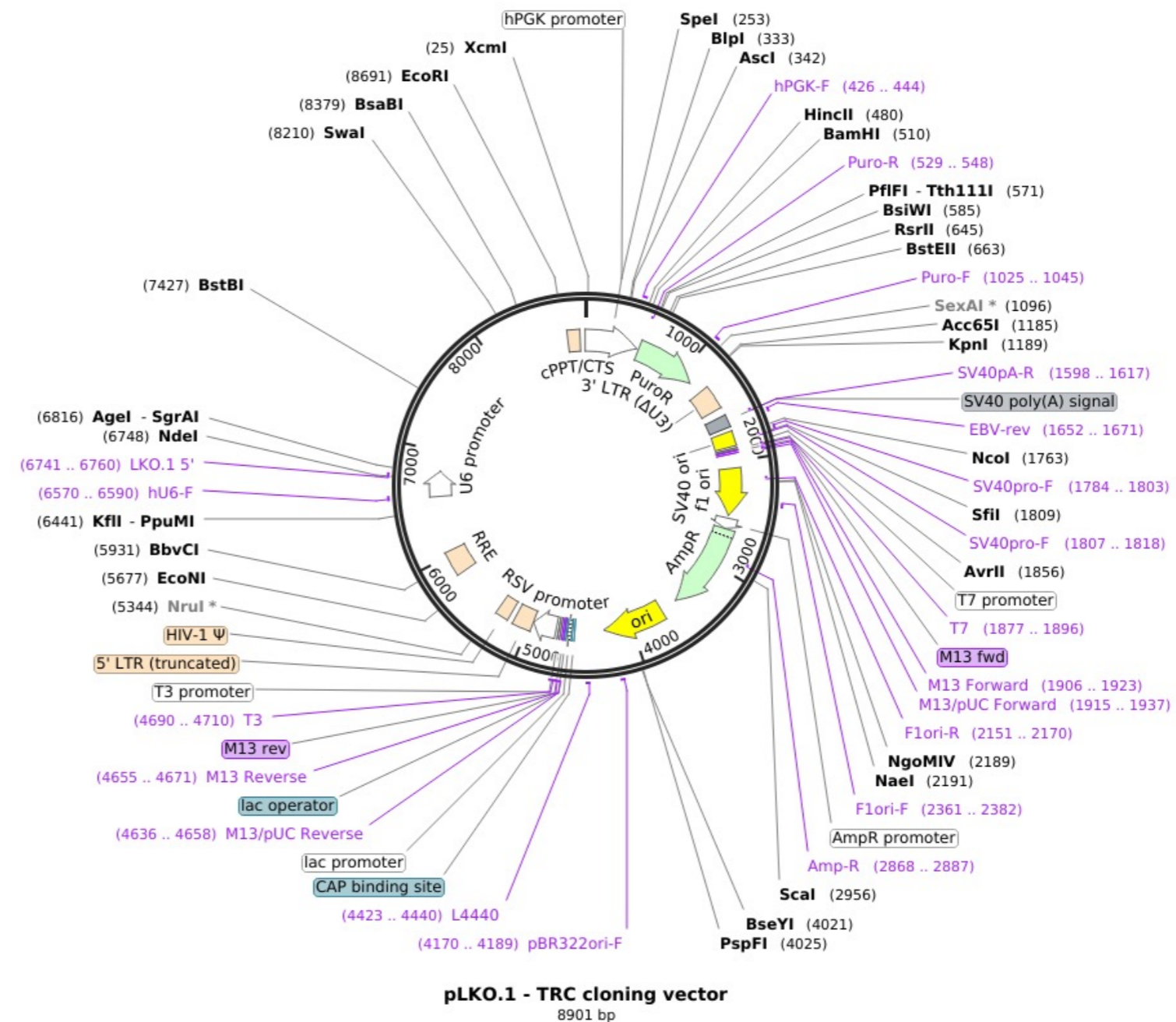
3'-AT TAA CCT AAT ATG ACA CTG C-5'

Reporter gene

Promoter, U6 promoter
splice,
PolyA

Comments For more information about this cloning you can visit :
<http://www.addgene.org/tools/protocols/plko/>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 2719

Date entered 3.8.17

Constructed by TRC consortium

Date constructed 13.01.13

PLASMID NAME

shAnk3.2

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human Ank3 inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hAnk3 is :

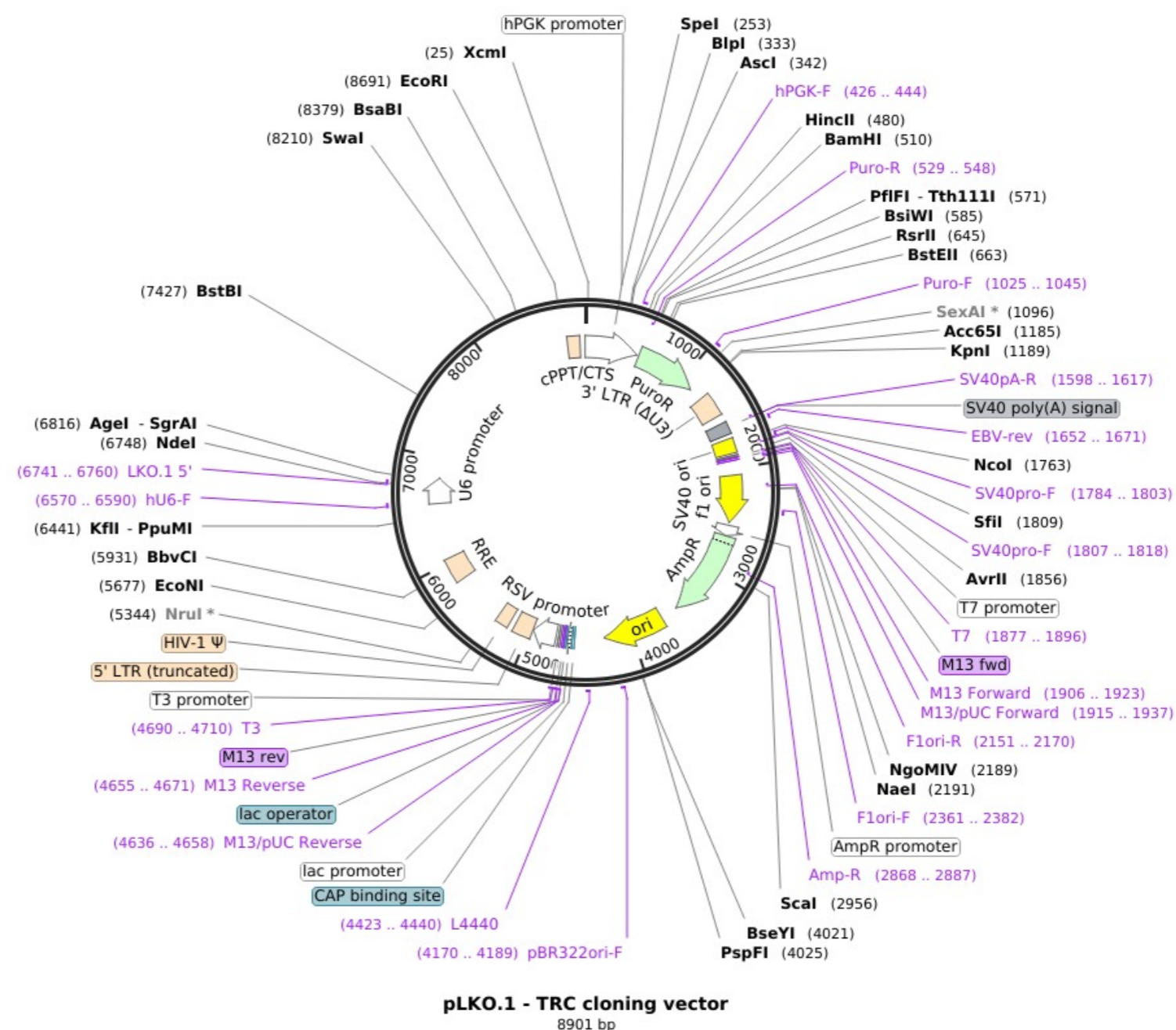
3'-TT ATG TCT CTT TAC CAA ACG G-5'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by TRC consortium

Date constructed 13.01.13

PLASMID NAME

shAnk3.3

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human Ank3 inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hAnk3 is :

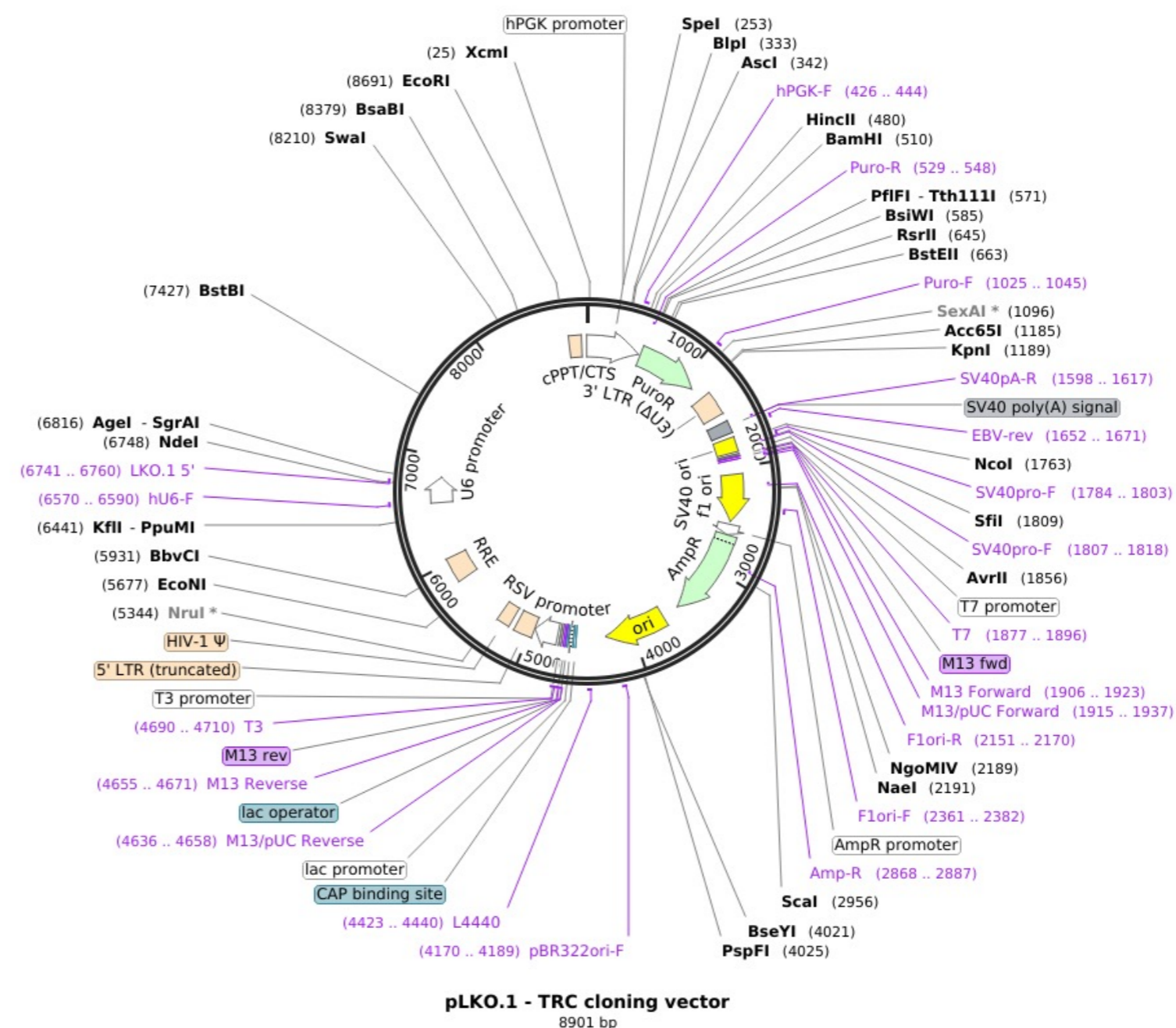
3'-TA TGT CTC TTT ACC AAA CGG C-5'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by TRC consortium

Date constructed 13.01.13

PLASMID NAME

shAnk3.4

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human Ank3 inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hAnk3 is :

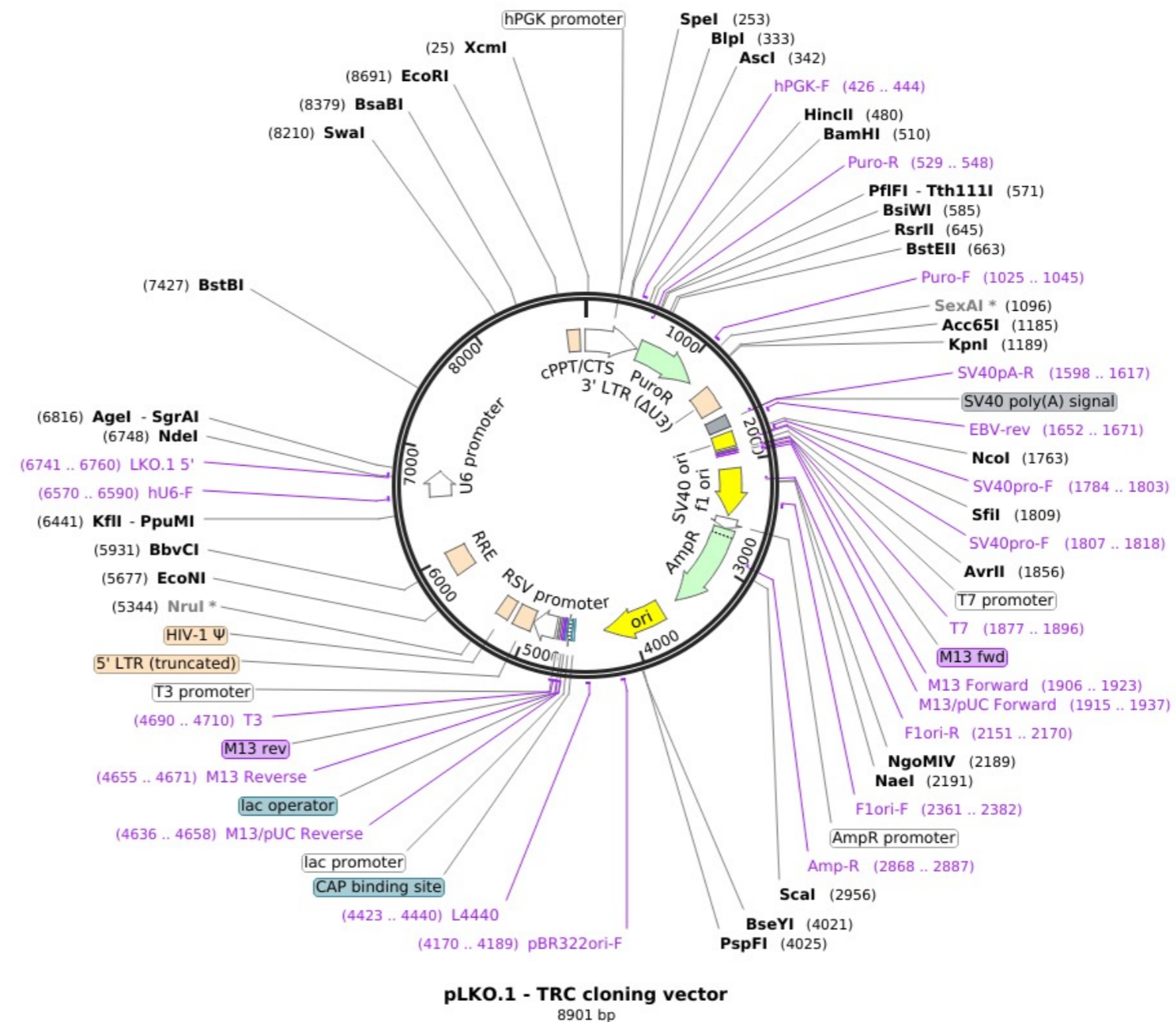
3'-TA GAG ATT TCT GAT ATG CTG C-5'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Saioa Blanco Cabanes

Date constructed 28.08.14

PLASMID NAME

shAnk3.5

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

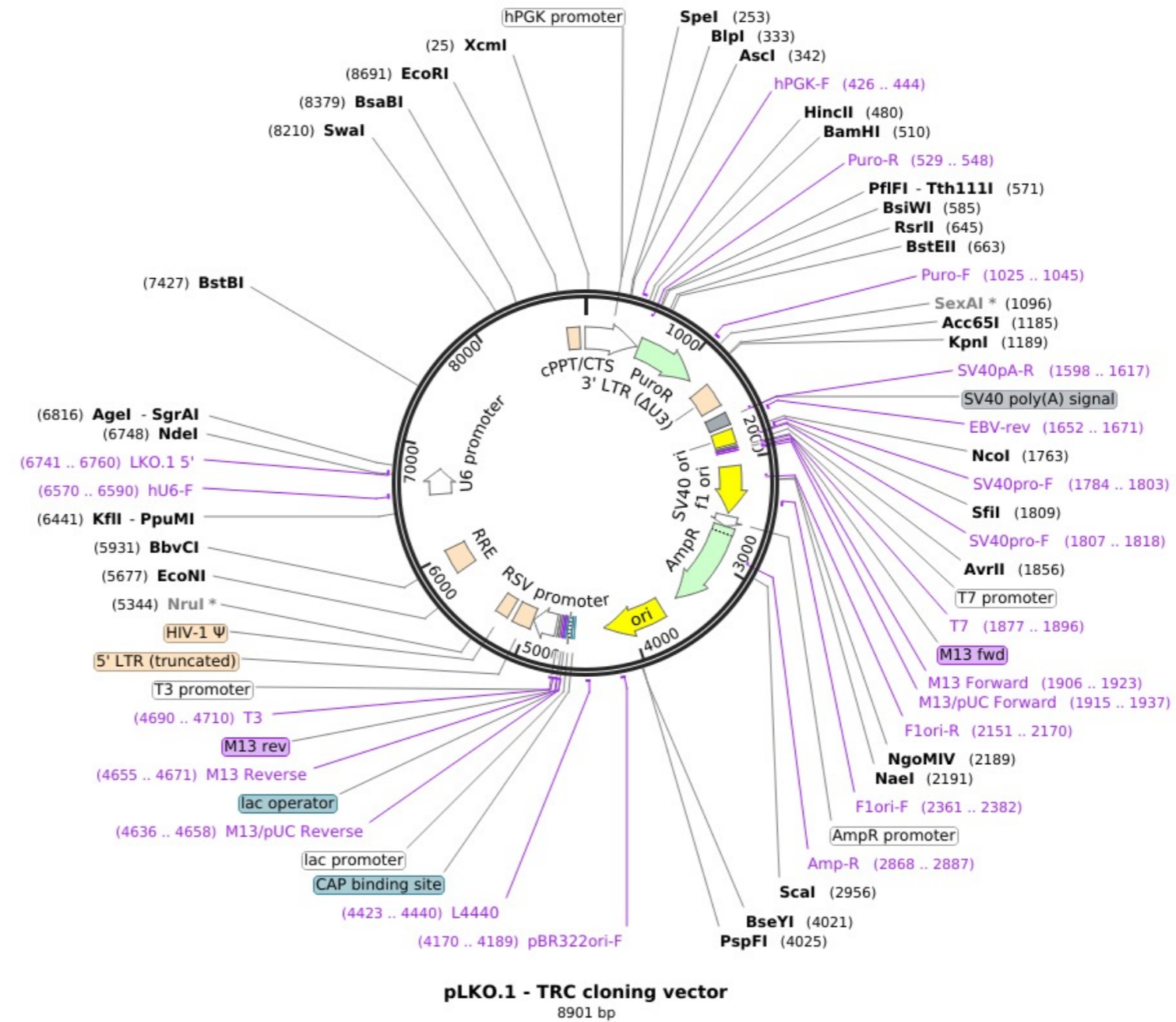
Inserts Sequence directed against human Ank3 inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hAnk3 is:
5'-GC CTC TTA GAA CAC AAA CAT T-3'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit :
<http://www.addgene.org/tools/protocols/plko/>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Saioa Blanco Cabanes

Date constructed 28.08.14

PLASMID NAME

shAnk3.6

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human Ank3 inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hAnk3 is:

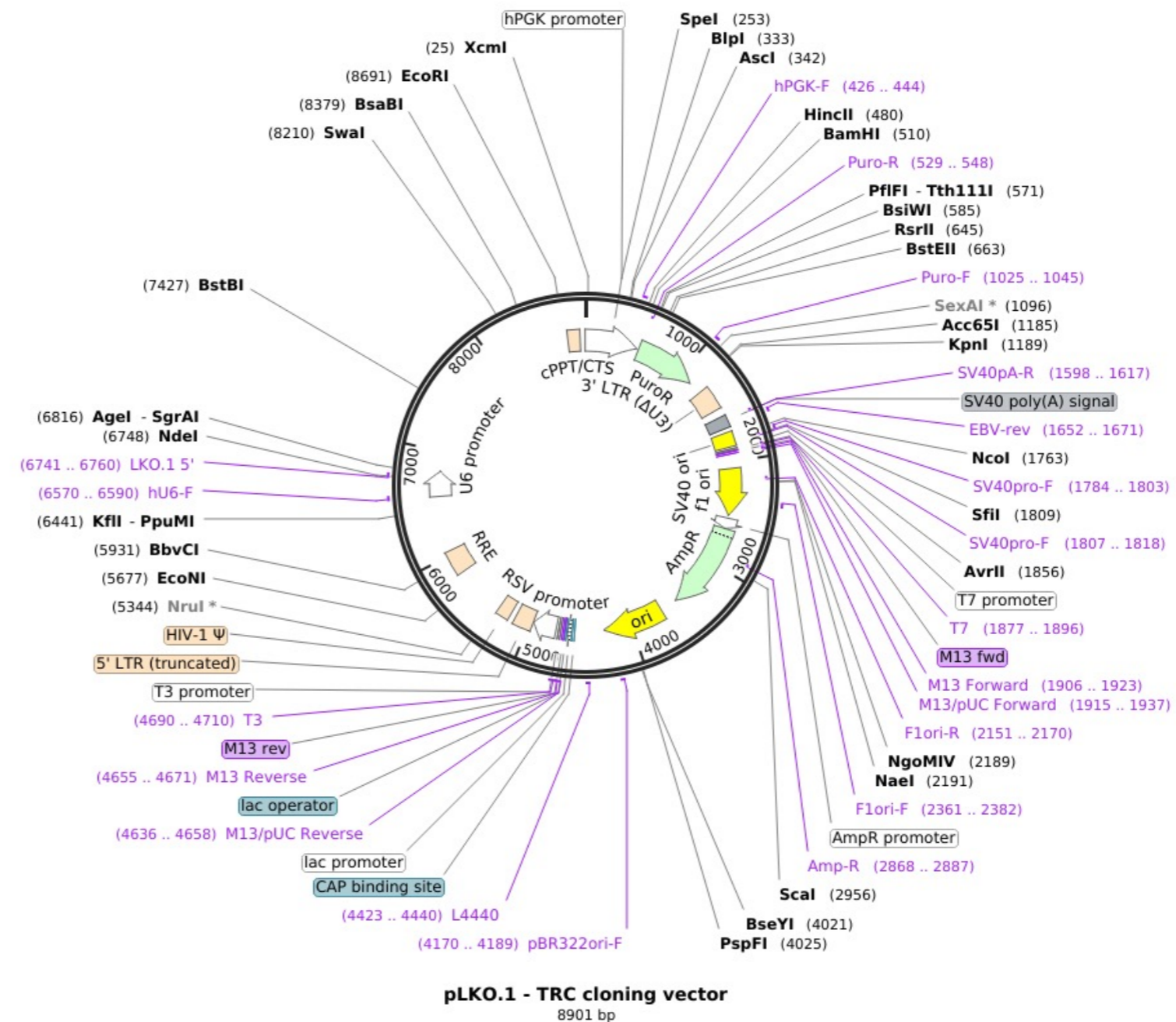
5'-GT TGC TAA CAT CTC TTA AAT T-3'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Saioa Blanco Cabanes

Date constructed 28.08.14

PLASMID NAME

shAnk3.7

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human Ank3 inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hAnk3 is:

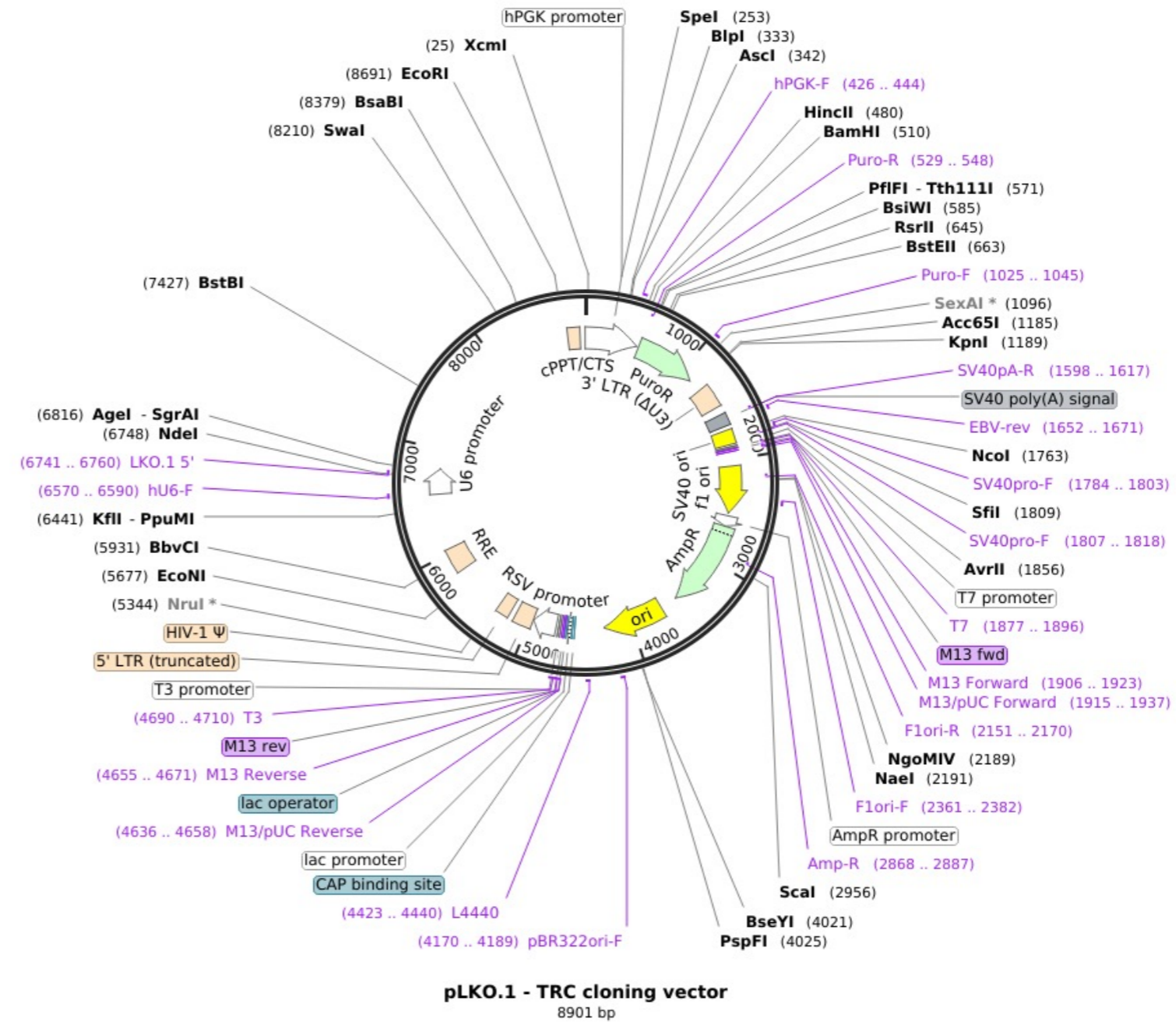
5'-GC TCT AAT GAC ATA TGT ATT T-3'

Reporter gene

Promoter, U6 promoter
splice,
PolyA

Comments For more information about this cloning you can visit :
<http://www.addgene.org/tools/protocols/plko/>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 18.10.16

PLASMID NAME

shGR.1

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human GR inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hGR is:

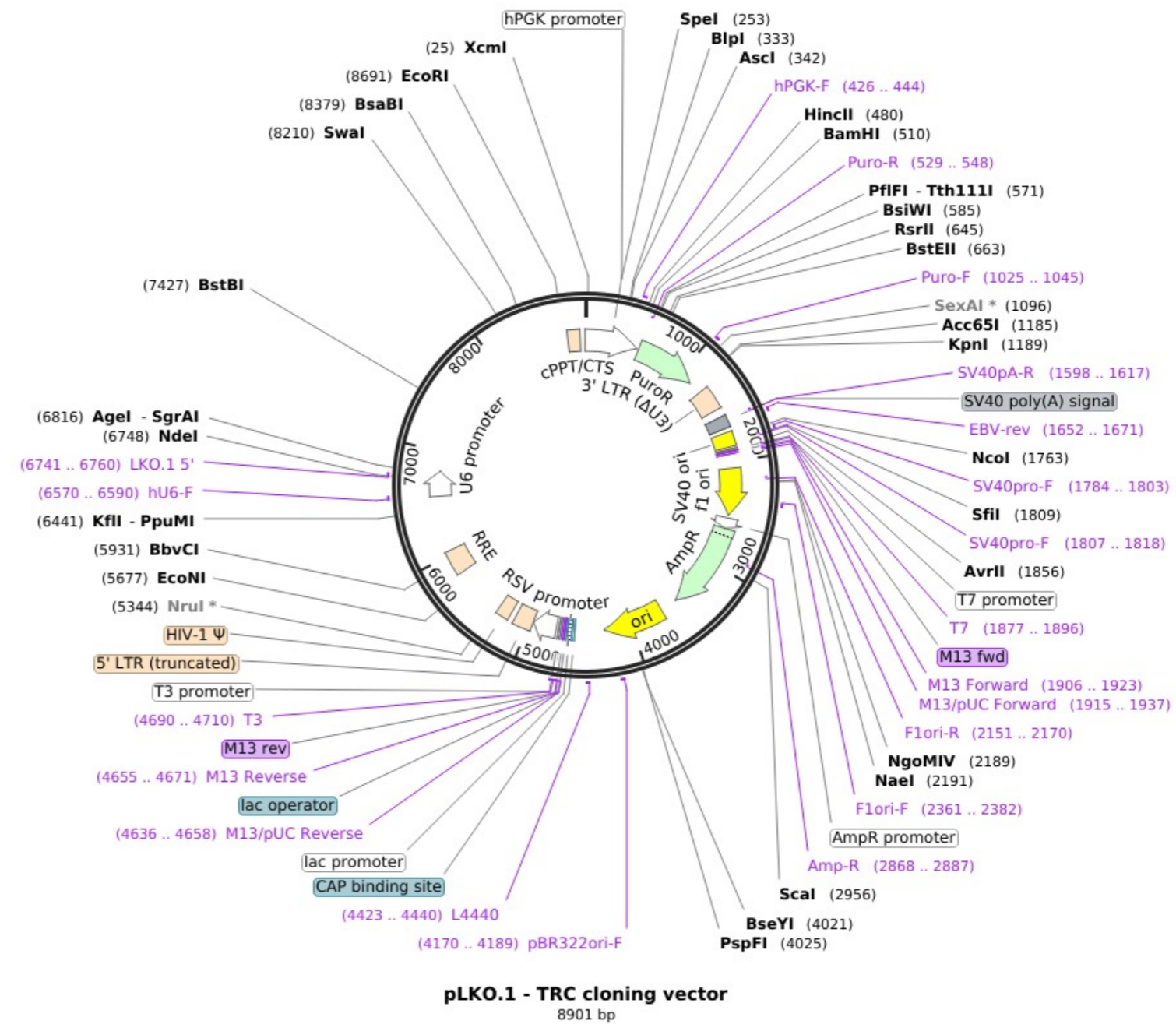
5'-CA CAG GCT TCA GGT ATC TTA T-3'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit :
<http://www.addgene.org/tools/protocols/plko/>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 18.10.16

PLASMID NAME

shGR.2

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human GR inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hGR is:

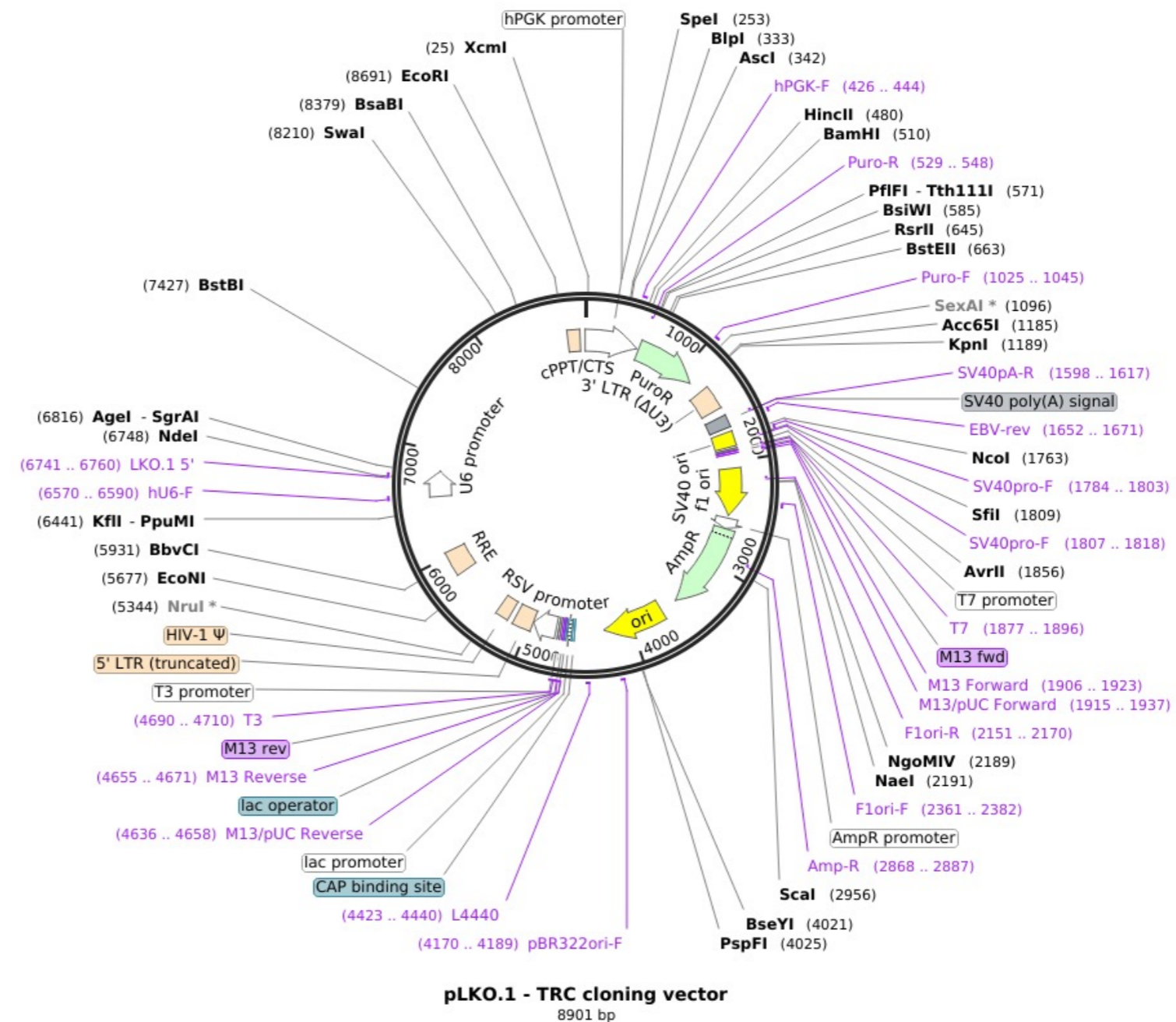
5'-GT GTC ACT GTT GGA GGT TAT T-3'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit :
<http://www.addgene.org/tools/protocols/plko/>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 31.03.14

PLASMID NAME

shCav1.1

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human CAV1 inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hCAV1 is:

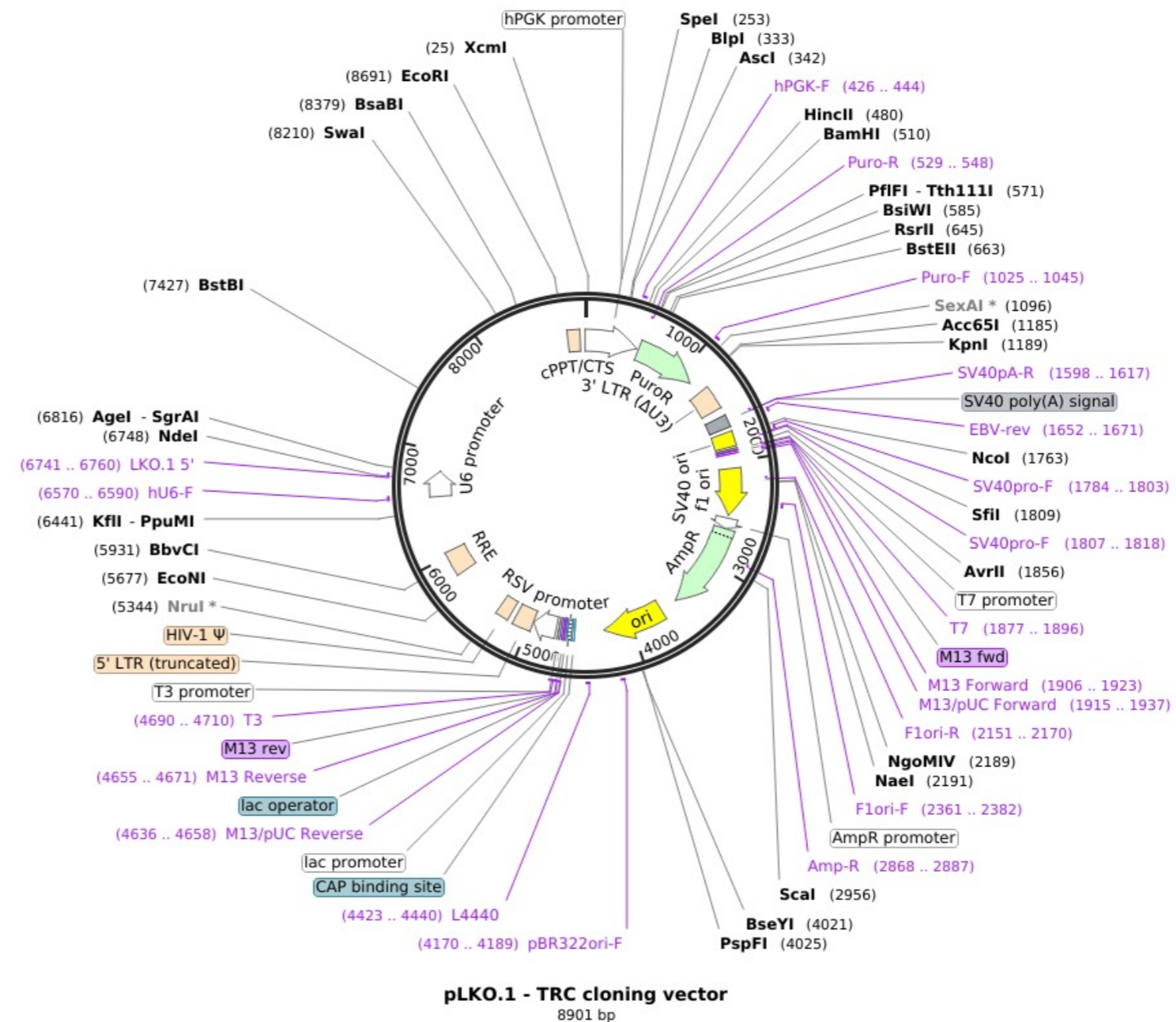
5'-CC ACC TTC ACT GTG ACG AAA T-3'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 31.03.14

PLASMID NAME

shCav1.2

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human CAV1 inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hCAV1 is:

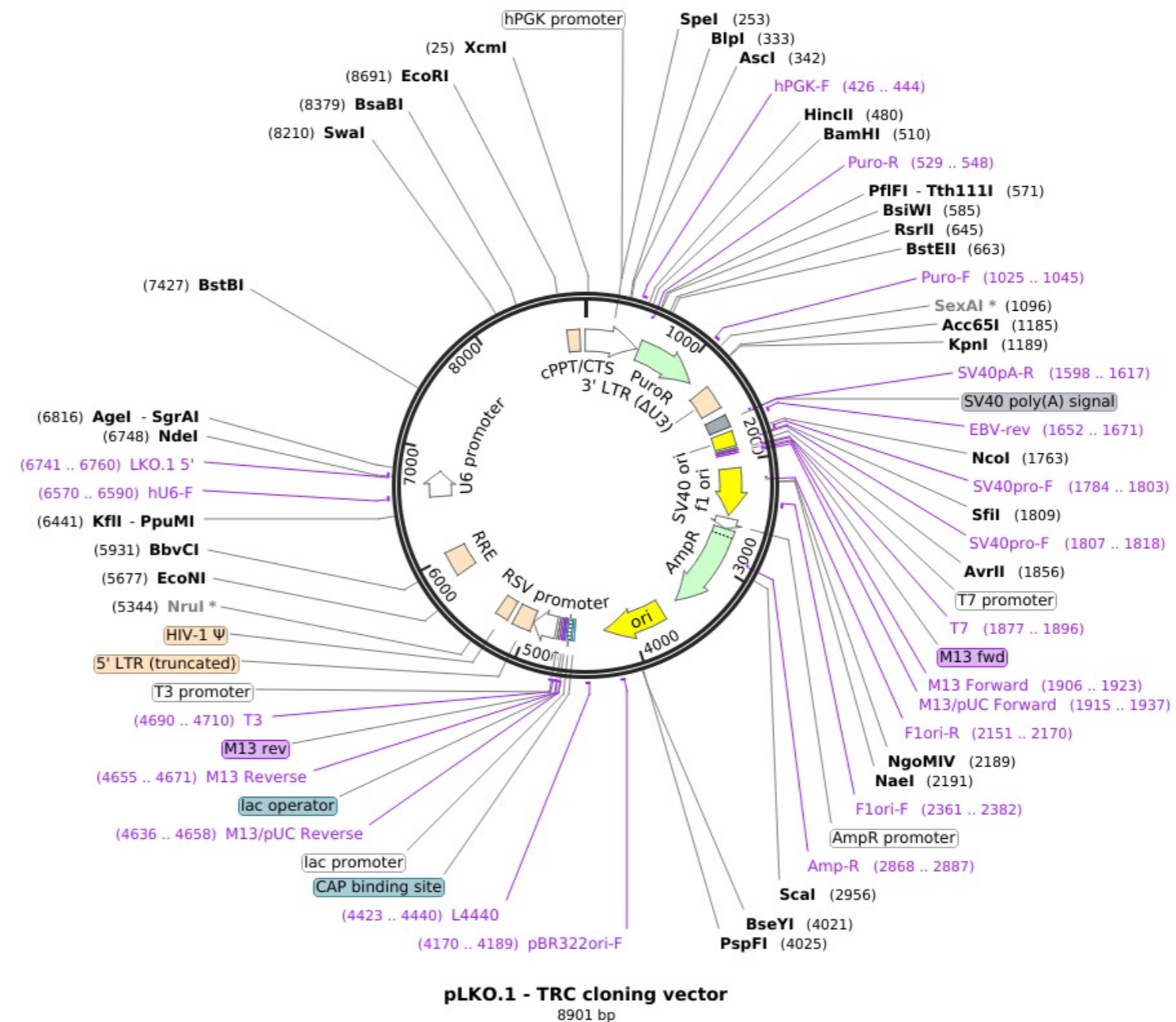
5'-GA CGT GGT CAA GAT TGA CTT T-3'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit : <http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 31.03.14

PLASMID NAME

shCav1.3

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human CAV1 inserted between EcoR1 and AgeI restriction sites in place of the stuffer. The specific sequence targeting hCAV1 is:

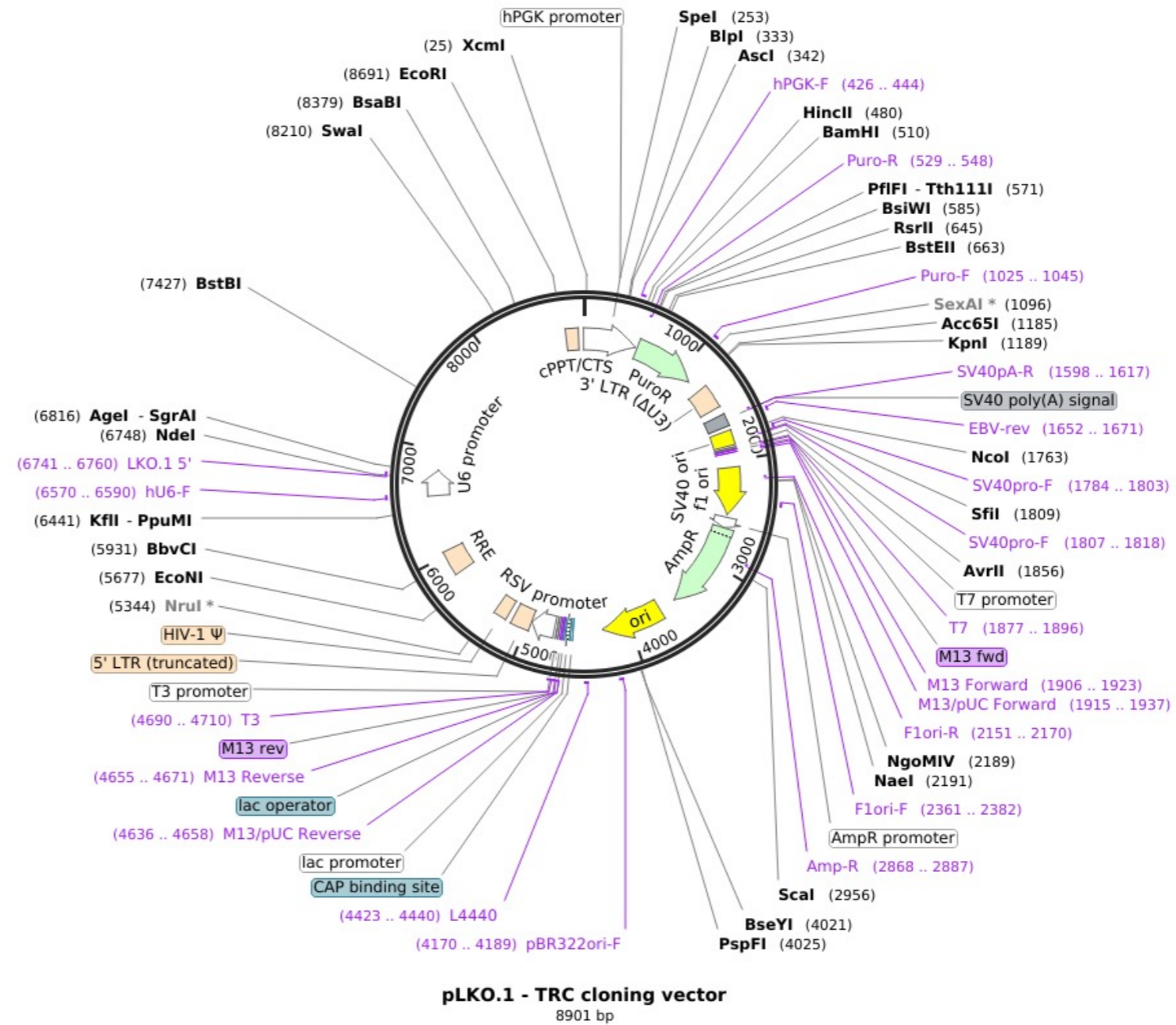
5'-GC TTT GTG ATT CAA TCT GTA A-3'

Reporter gene

Promoter, U6 promoter
splice,
PolyA

Comments For more information about this cloning you can visit :
<http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number 2730

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 06.03.17

PLASMID NAME

shRab5A.1

Created with SnapGene®

<p><u>bacterial marker</u> Amp</p> <p><u>vertebrate marker</u> Puromycin</p> <p><u>eukaryotic replicon</u> SV40 ori</p>	<p><u>parent vector</u> pLKO.1</p> <p><u>bacterial plasmid</u></p> <p><u>other relevant source constructs</u></p>
---	---

Inserts Sequence directed against human RAB5A inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hRAB5A is:

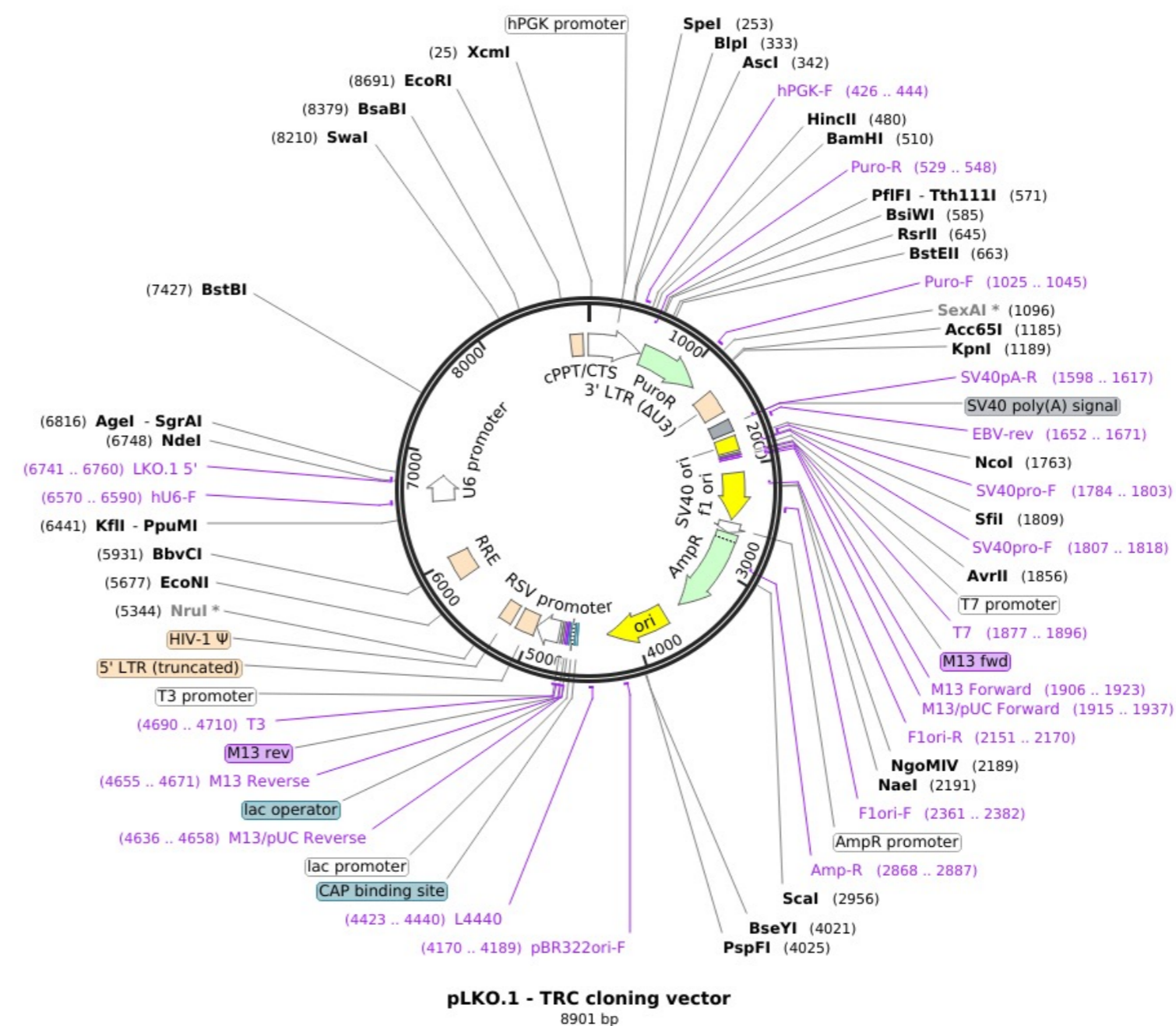
5'-GC AGC CTT CCT TTC CAA AGT T-3'

Reporter gene

Promoter, U6 promoter
splice,
PolyA

Comments For more information about this cloning you can visit :
<http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 06.03.17

PLASMID NAME

shRab5A.2

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human RAB5A inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hRAB5A is:

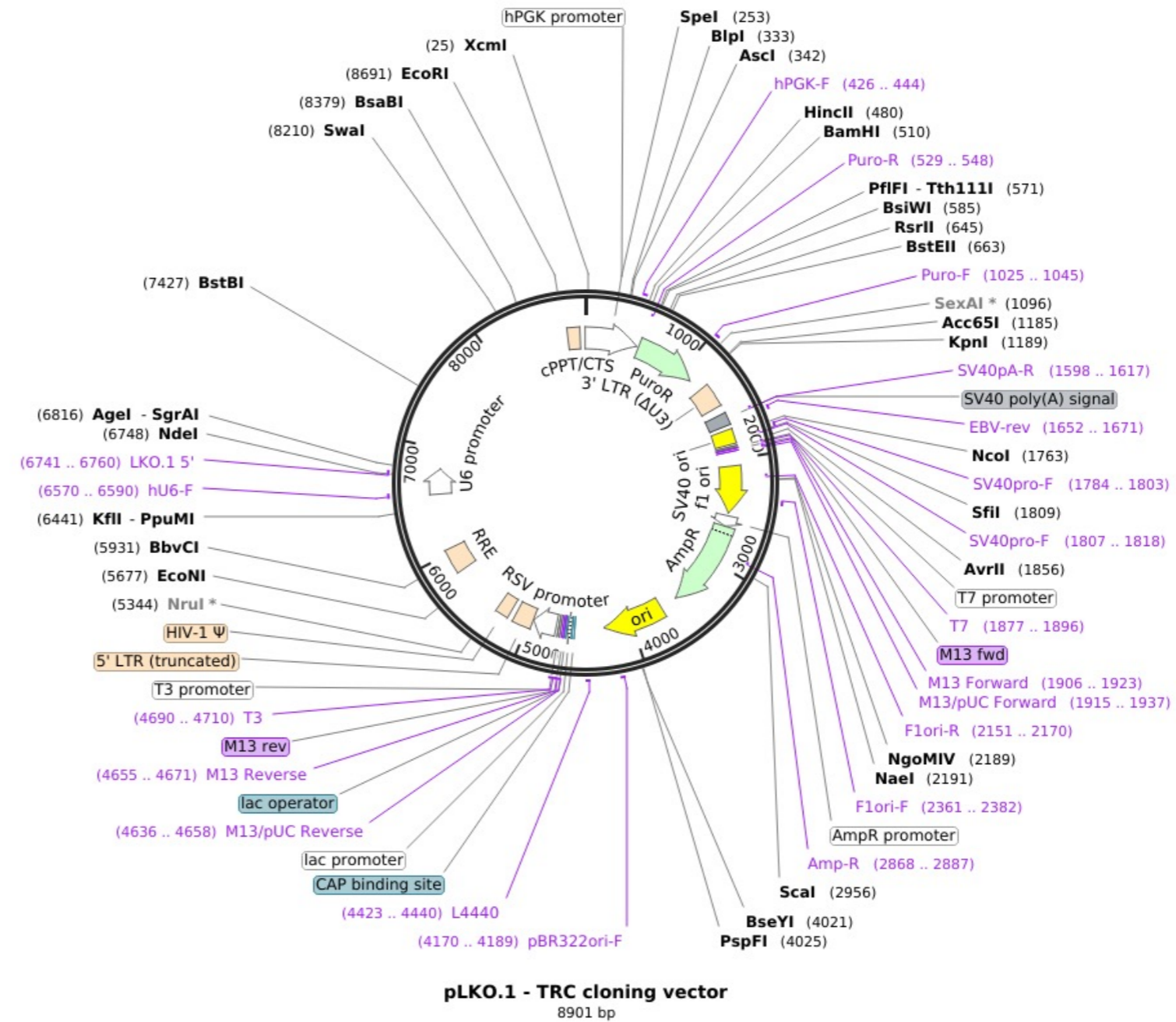
5'-CC AGG AAT CAG TGT TGT AGT A-3'

Reporter gene

Promoter, U6 promoter
splice,
PolyA

Comments For more information about this cloning you can visit :
<http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 06.03.17

PLASMID NAME

shRab7A.1

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human RAB7A inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hRAB7A is:

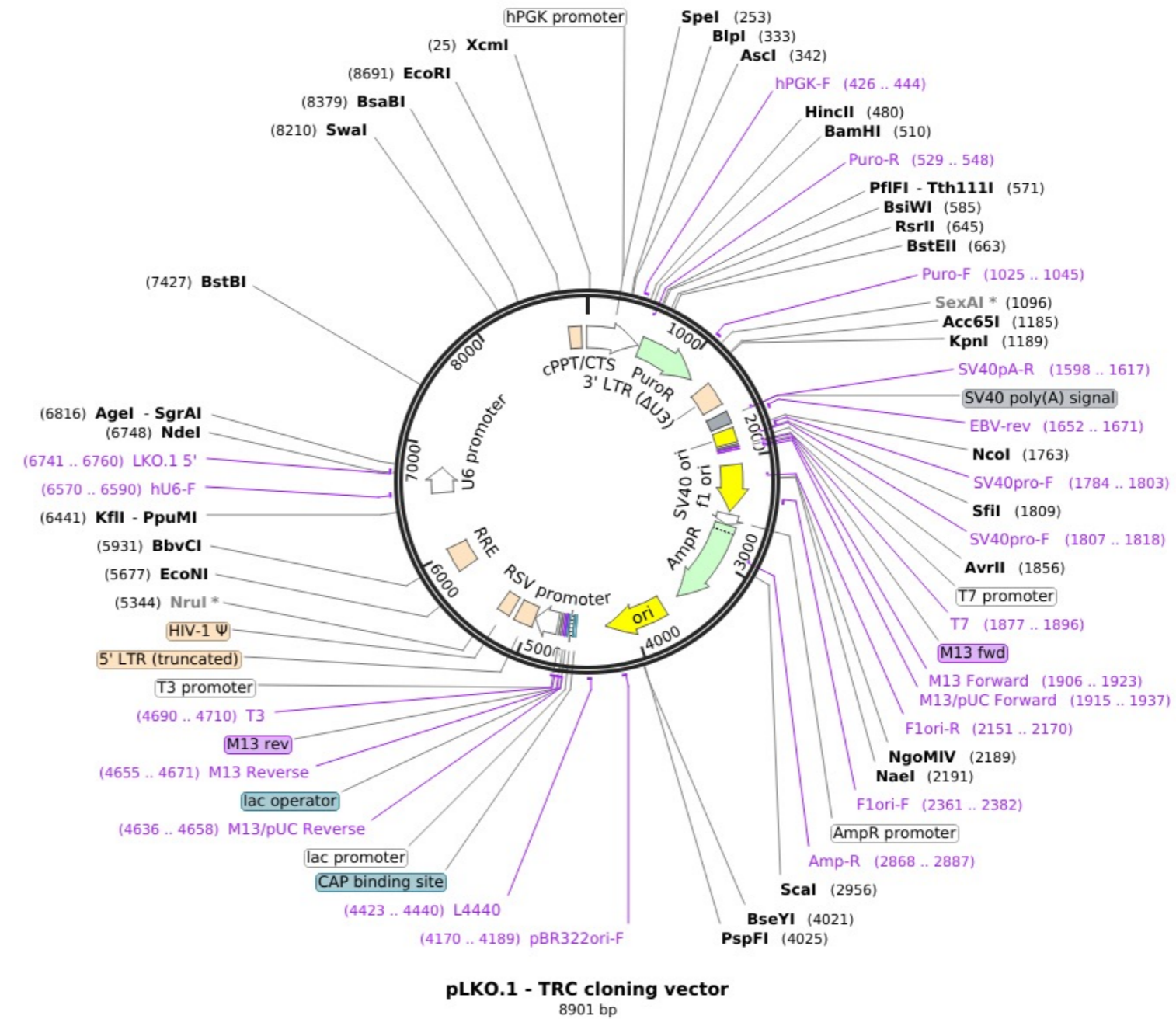
5'-AC GTA GGC CTT CAA CAC AAT T-3'

Reporter gene

Promoter, U6 promoter
splice,
PolyA

Comments For more information about this cloning you can visit :
<http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 06.03.17

PLASMID NAME

shRab7A.2

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human RAB7A inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hRAB7A is:

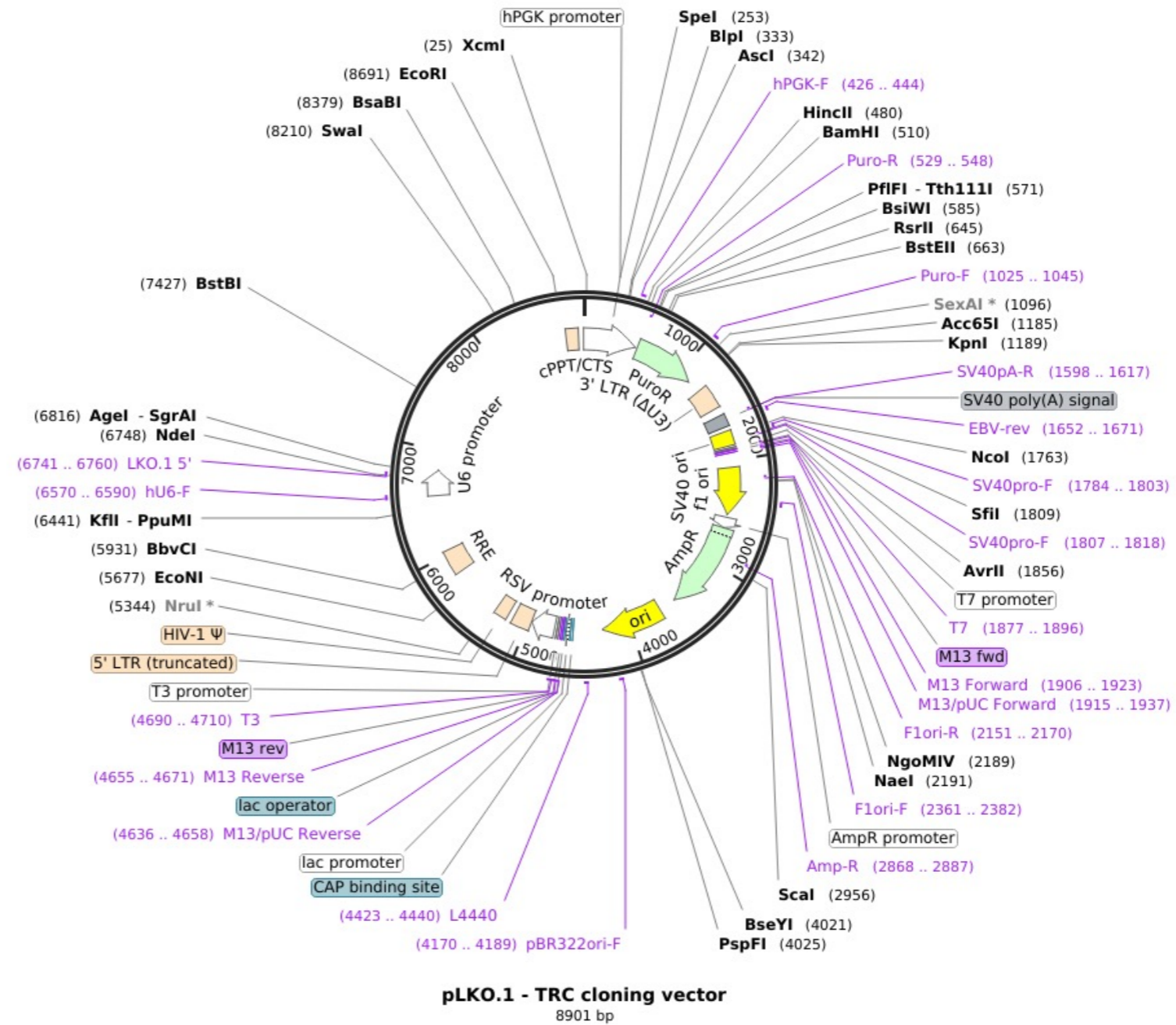
5'-GG CTA GTC ACA ATG CAG ATA T-3'

Reporter gene

Promoter, U6 promoter
splice,
PolyA

Comments For more information about this cloning you can visit :
<http://www.addgene.org/tools/protocols/plko/>

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 13.06.17

PLASMID NAME

shHECTD1.1

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

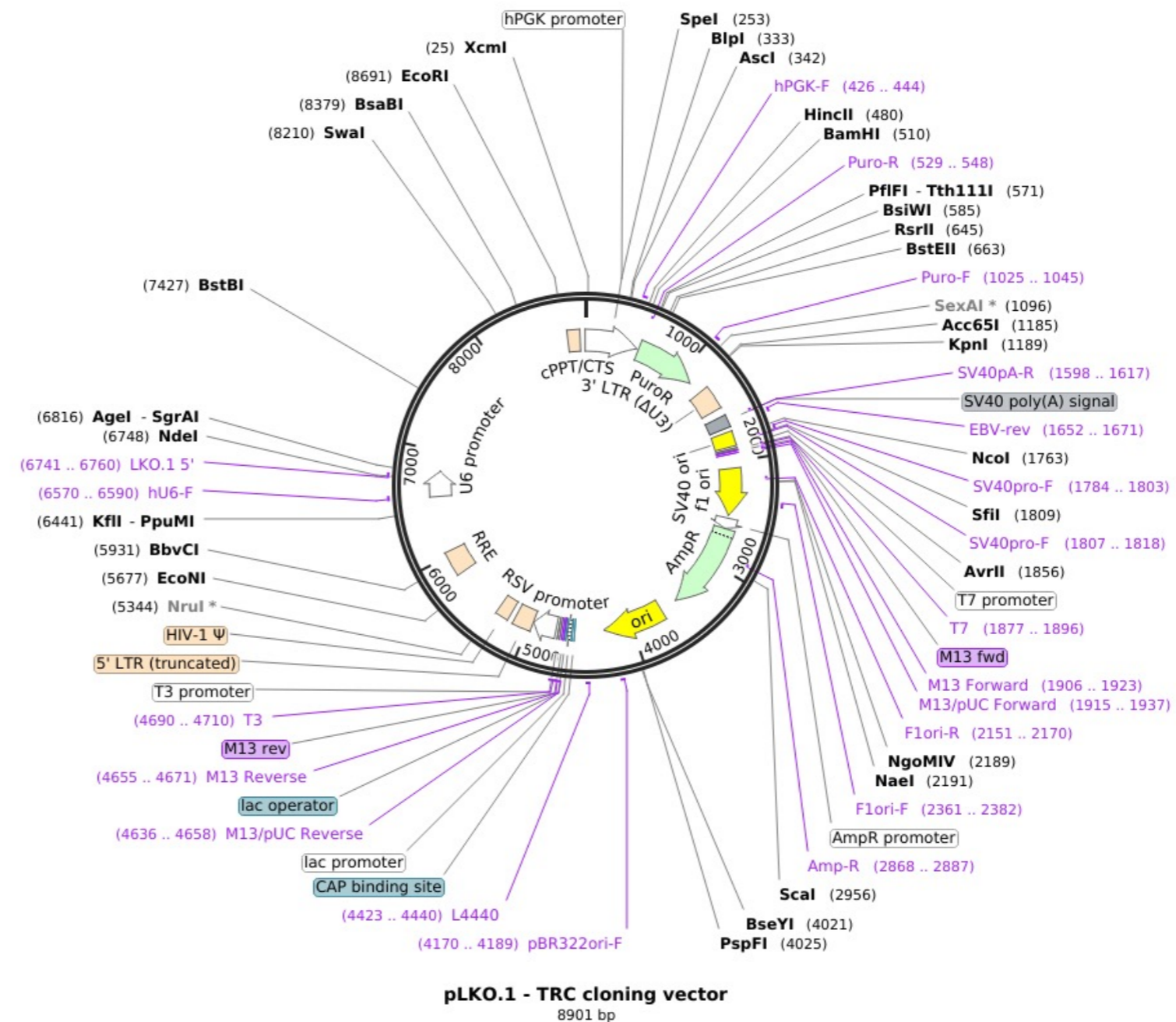
Inserts Sequence directed against human HECTD1 inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hHECTD1 is:
5'-GC ACT TTC TTA CCA GCC CTT T-3'

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments For more information about this cloning you can visit :
<http://www.addgene.org/tools/protocols/plko/>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 13.06.17

PLASMID NAME

shHECTD1.2

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human HECTD1 inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hHECTD1 is:

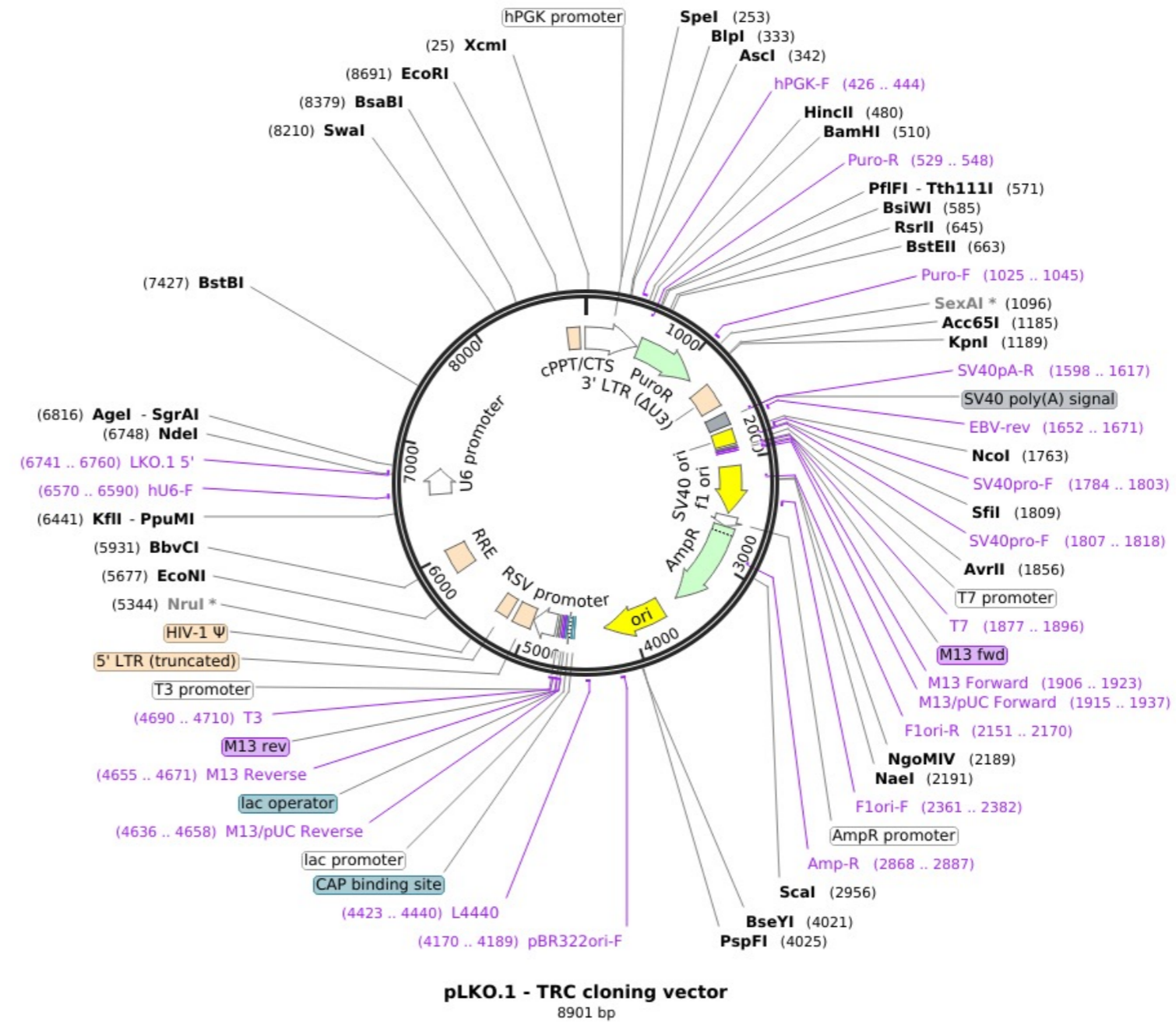
5'-GC CCT GAT AGT TCT GTT CGT A-3'

Reporter gene

Promoter, U6 promoter
splice,
PolyA

Comments For more information about this cloning you can visit :
<http://www.addgene.org/tools/protocols/plko/>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 13.06.17

PLASMID NAME

shHECTD1.3

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human HECTD1 inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting hHECTD1 is:

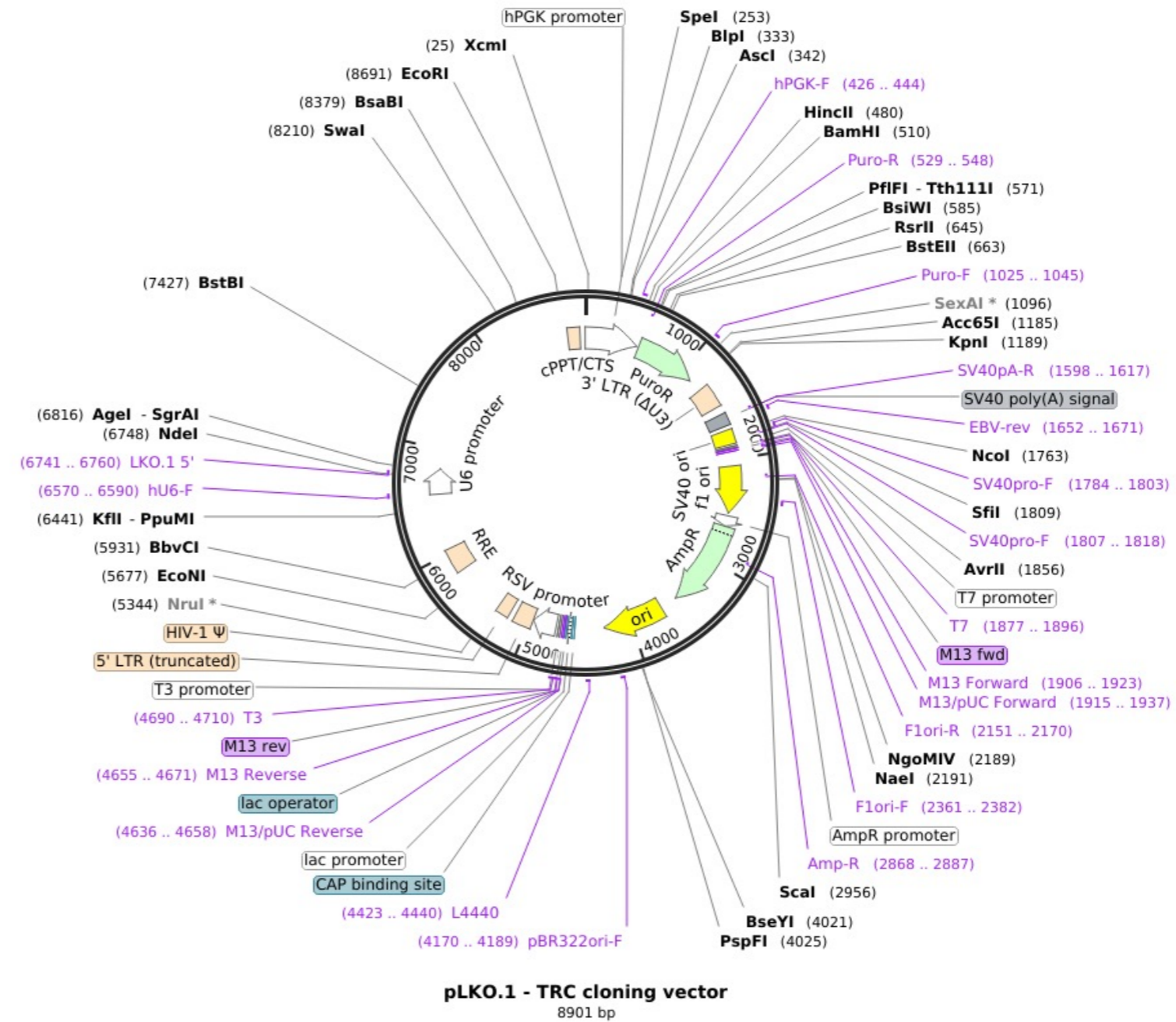
5'-TC TCT CTT TGT TTG GCA TAT A-3'

Reporter gene

Promoter, U6 promoter
splice,
PolyA

Comments For more information about this cloning you can visit :
<http://www.addgene.org/tools/protocols/plko/>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by VDRC

Date constructed 26.10.16

PLASMID NAME

RNAi dVps11

<u>bacterial marker</u> Amp	<u>parent vector</u> pMF3
<u>vertebrate marker</u>	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Hairpin used to knockdown Vps11 in D.melanogaster and insrted in Xbal site:

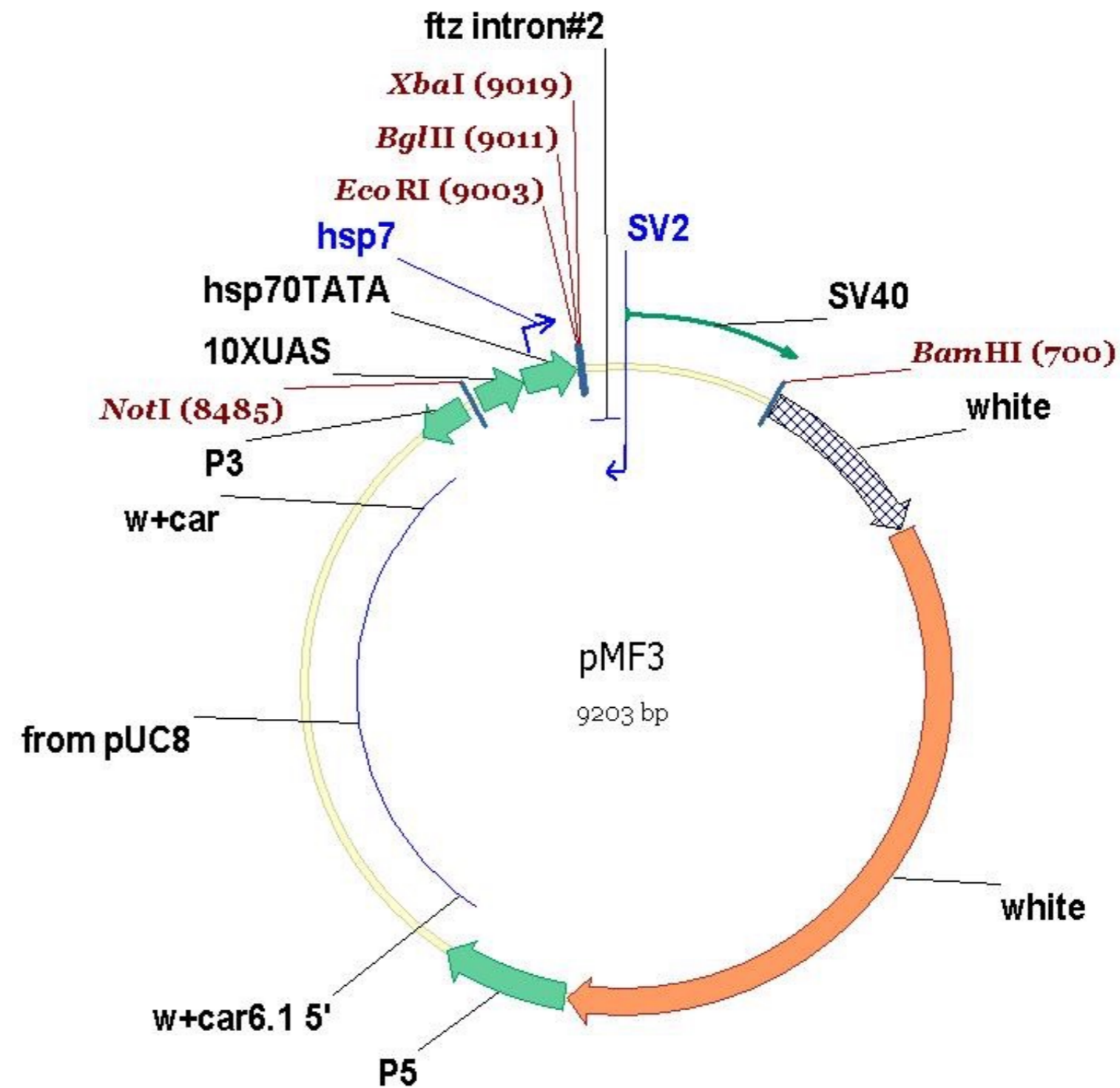
```
5'-CCGAATCAAA ATCAAGCACT GAGGAAAGAA ATATAAAATT
AGTAATTTGT GATAAGAACA GAAATATTCT TATTTACCTT
TCAAATTGGG AGTGTATTAC CTTCAAATCT CCATCCACGC
GGAAAGCTAT TGCTCTTTGT TCCCTTACCA GCAATAACAG
CCTTGCGACT GTCACACCGG ATATCAATAA TGGTATTCAC
ATTGATATAT TTGACCTTAA TAGATTAACA AAAAAGCAAG
```

Reporter gene CAGCTCCAAT AATTGCATCT GCATATACTC AGCCTTCAAG

Promoter, splice, PolyA TACGCCCTTA TGCCCTCAACG CAGACGTCAT TGACGATAAA
Hsp7 promoter

Comments For more information about this cloning you can visit :
http://stockcenter.vdrc.at/control/library_rnai

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by VDRC

Date constructed 26.10.16

PLASMID NAME

RNAi dVps18(Deep Orange)

<u>bacterial marker</u> Amp	<u>parent vector</u> pMF3
<u>vertebrate marker</u>	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Hairpin used to knockdown Vps18 (Deep Orange) in D.melanogaster and insrted in XbaI site:

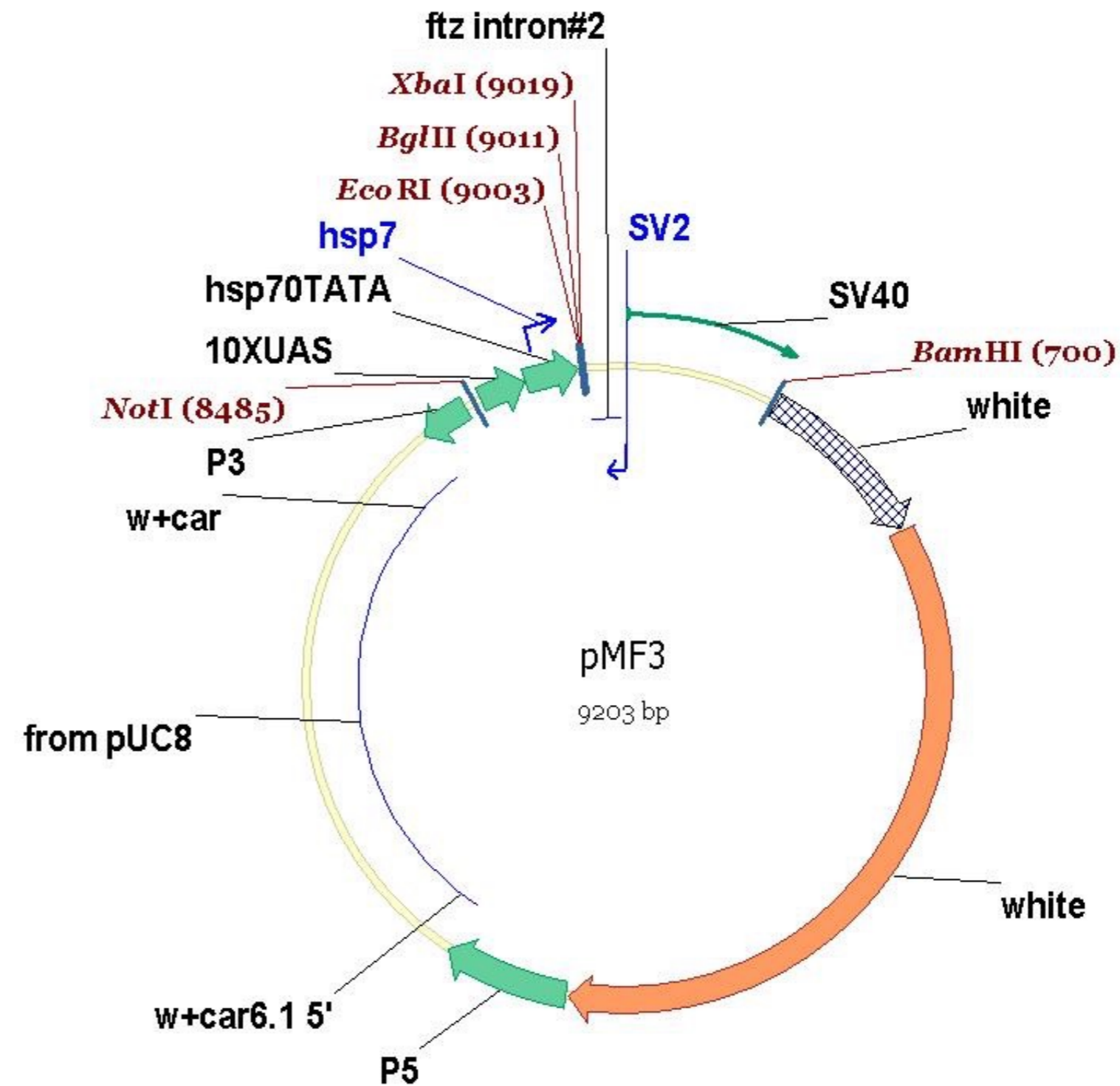
```
5'-GTGGCAGACG GAGTACGACG AGTTCATGAT GGAGGCCCAT
GTTCTGTCAT GCACGCGTCA AAATCGCGAA ACTGTACGGC
AGCTGATAGC CGAGCAGCT GACCCGCGCA ACATGGCTCA
ATTGCCATC GCCATTGGCG ACTATGATGA AGTGGTGGCG
CAACAGCTTA AGGCCGAGTG TTATGCCGAG GCACTGCAA
CGCTGATTAA CCAAAGGAAT CCAGAACTGT TCTACAAGTA
CGCGCCTGAA CTGATAACTA GGCTGCCAAA GCCCACGGTT
GACGCCCTAA TGGCCCAGGG ATCTCGACTG GAGGTGGAGA
```

Reporter gene Hsp7 promoter

Promoter, splice, PolyA

Comments For more information about this cloning you can visit :
http://stockcenter.vdrc.at/control/library_rnai

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 11.05.16

PLASMID NAME

shSrc.1

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human c-Src inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting c-Src is:

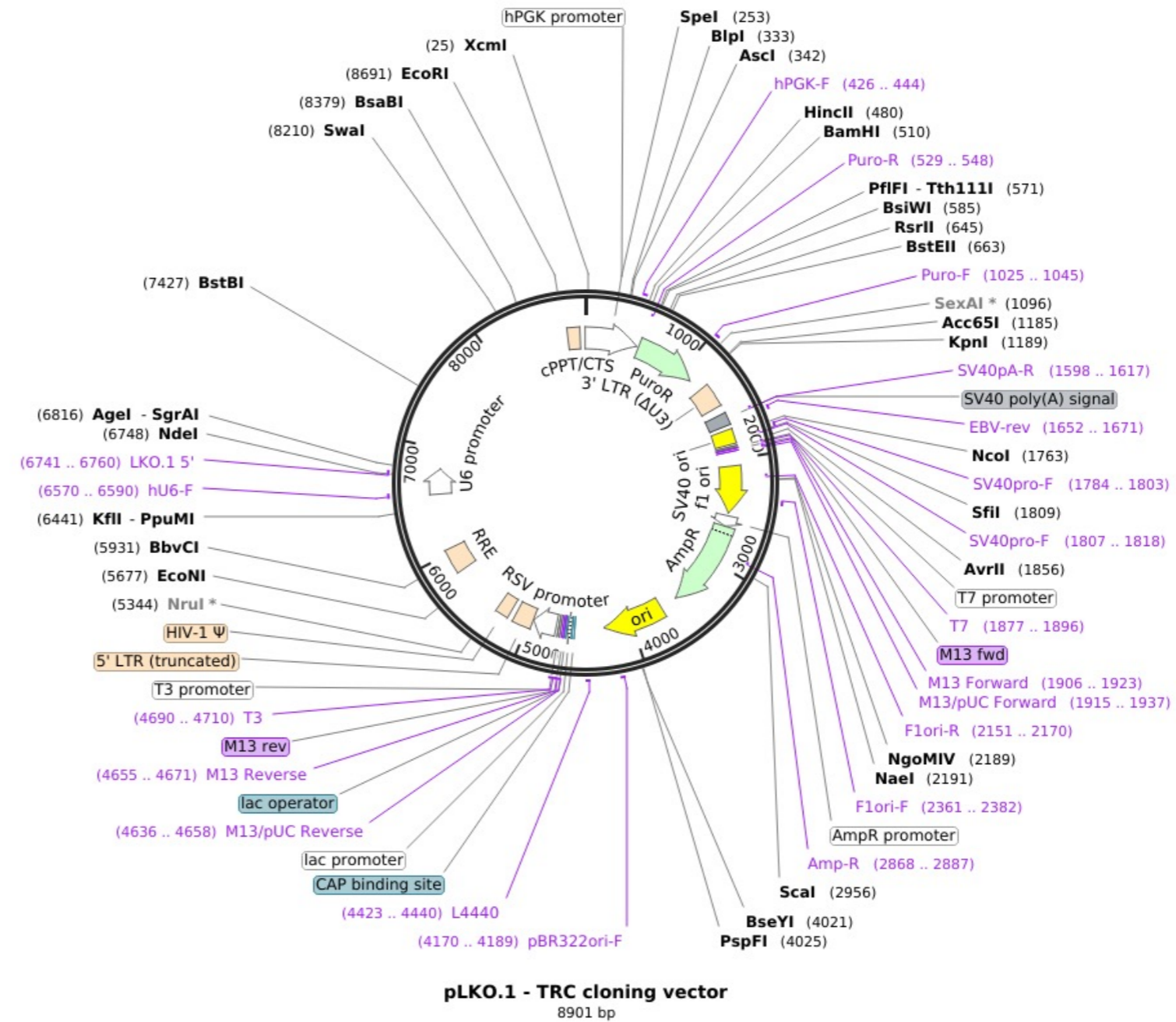
5'-GA CAG ACC TGT CCT TCA AGA A-3'

Reporter gene

Promoter, U6 promoter
splice,
PolyA

Comments For more information about this cloning you can visit :
<http://www.addgene.org/tools/protocols/plko/>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.8.17

Constructed by Gregory Segala

Date constructed 11.05.16

PLASMID NAME

shSrc.2

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pLKO.1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts Sequence directed against human c-Src inserted between EcoRI and AgeI restriction sites in place of the stuffer. The specific sequence targeting c-Src is:

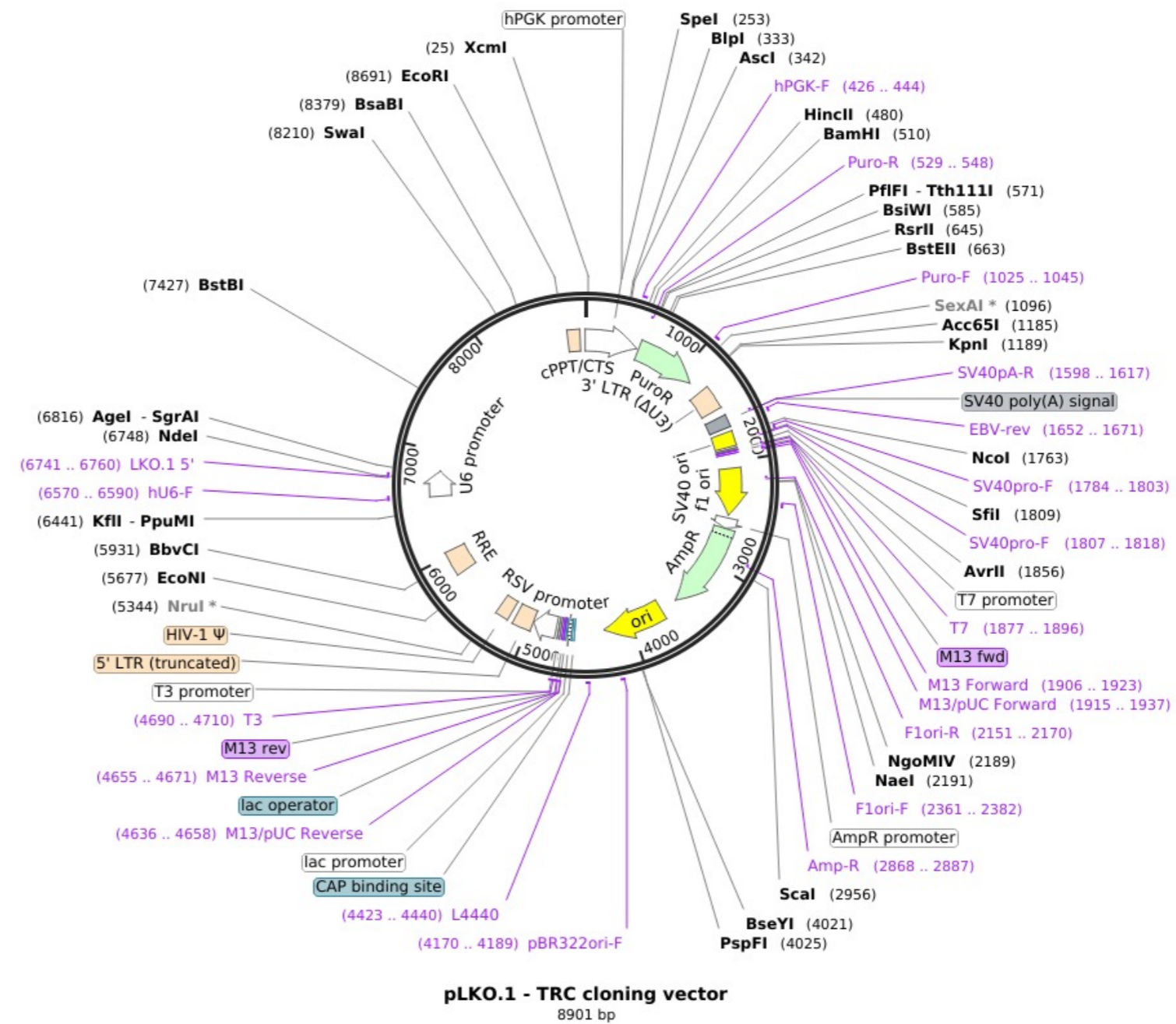
5'-CA TCC TCA GGA ACC AAC AAT T-3'

Reporter gene

Promoter, U6 promoter
splice,
PolyA

Comments For more information about this cloning you can visit :
<http://www.addgene.org/tools/protocols/plko/>

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2741

Date entered

4.8.17

Constructed by

Applied Biological Materials (abm)

Date constructed

PLASMID NAME

pLenti-GIII-CMV-hZEB1-C-term-
IIA

bacterial marker

Kan

parent vector

pLenti-GIII-CMV-C-term-HA

bacterial plasmid

other relevant source constructs

Inserts

- Lentiviral vector for stable expression of human ZEB1 cDNA.
- Direct non-viral plasmid transfection for immediate expression.
- Package into Lentiviral particles for high efficiency transduction and stably integrated expression.

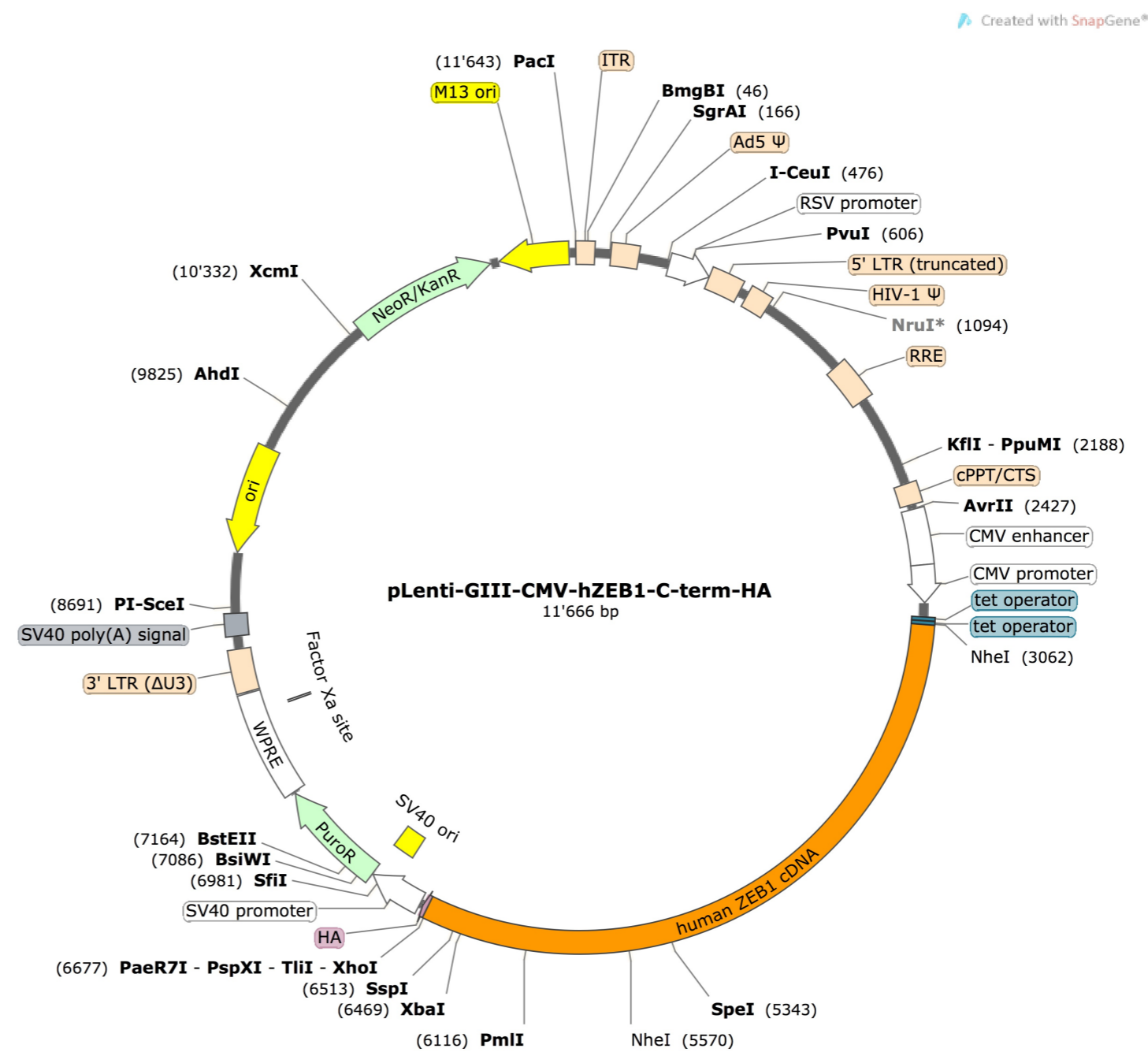
Reporter gene

Promoter, splice, PolyA
- CMV promoter

Comments

- The ZEB1 expression will be driven by a CMV promoter, with an HA Tag at the C terminal. Inserts are flanked by and can be excised using NheI and XhoI as long as inserts do not contain any internal NheI or XhoI sites
- **Bacterial selection marker: Kanamycin**
- **Mammalian selection marker: Puromycin**

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.17

Constructed by Gregory Segala

Date constructed 13.01.15

PLASMID NAME

pHAGE-RNF20

alternative name

<u>bacterial marker</u> Amp	<u>parent vector</u> 2017
<u>eucaryotic replicon</u> SV40 ori	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>

Inserts Human RNF20 ORF was flanked with NotI and KpnI restriction sites and inserted in the pHAGE lentiviral vector to stably overexpress RNF20 after lentiviral transduction.
IRES was destroyed by KpnI, so this construct does not allow the expression of ZsGreen.

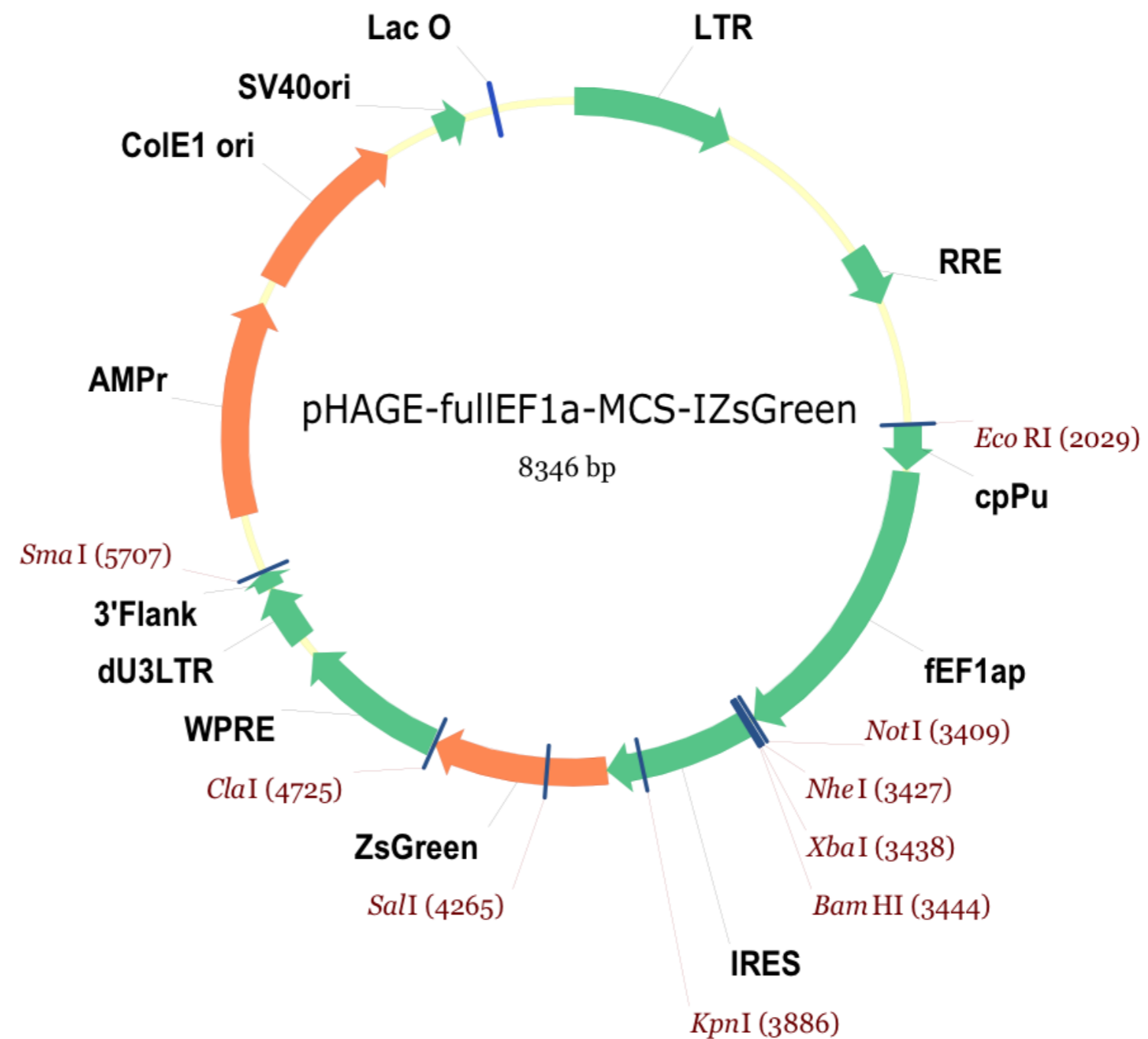
Reporter gene

Promoter, splice, PolyA long version of EF1a promoter

Comments

Reference Parent vector: <http://plasmid.med.harvard.edu/PLASMID/GetVectorDetail.do?vectorid=233>

Segala et al., Molecular Cell (2016)



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.17

Constructed by Gregory Segala

Date constructed 13.01.15

PLASMID NAME

pHAGE-RNF40

alternative name

<u>bacterial marker</u> Amp	<u>parent vector</u> 2017
<u>eucaryotic replicon</u> SV40 ori	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>

Inserts Human RNF40 ORF was flanked with NotI and NheI restriction sites and inserted in the pHAGE lentiviral vector to stably overexpress RNF40 after lentiviral transduction.

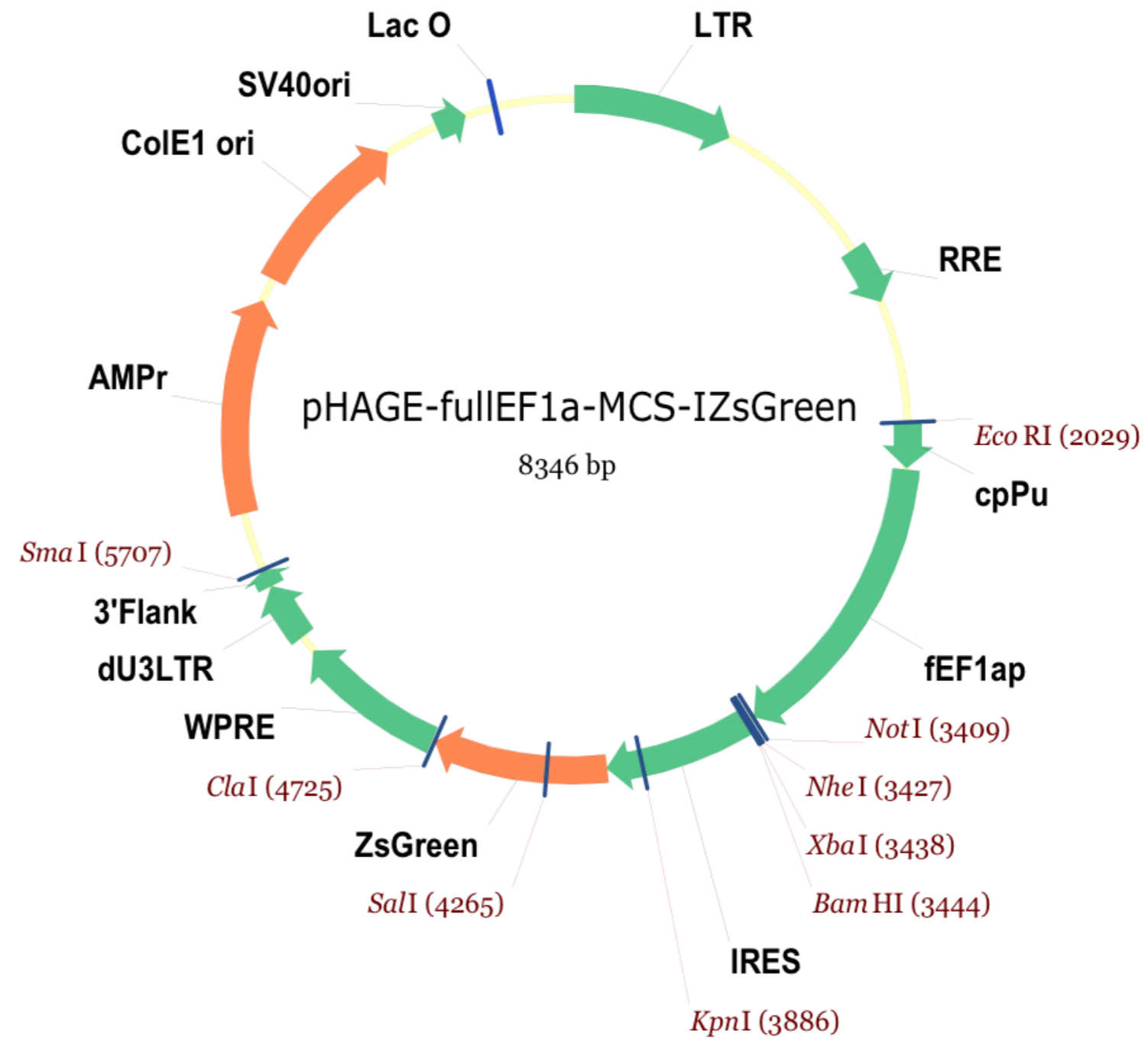
Reporter gene

Promoter, splice, PolyA long version of EF1a promoter

Comments

Reference Parent vector: <http://plasmid.med.harvard.edu/PLASMID/GetVectorDetail.do?vectorid=233>

Segala et al., Molecular Cell (2016)



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.17

Constructed by Gregory Segala

Date constructed 13.01.15

PLASMID NAME

pHAGE-Vps11

alternative name

<u>bacterial marker</u> Amp	<u>parent vector</u> 2017
<u>eucaryotic replicon</u> SV40 ori	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>

Inserts Human Vps11 ORF was flanked with NotI and NheI restriction sites and inserted in the pHAGE lentiviral vector to stably overexpress Vps11 after lentiviral transduction.

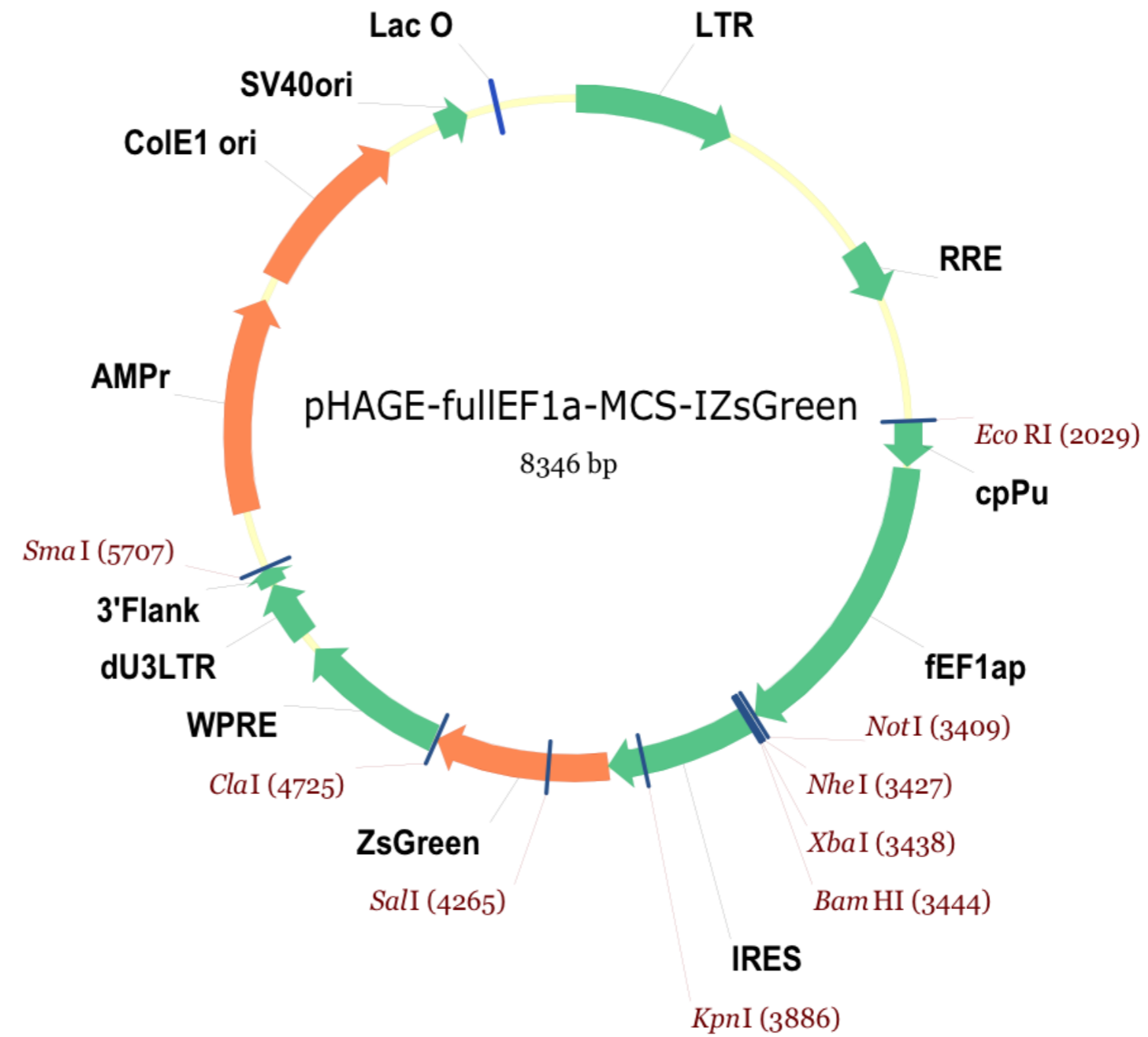
Reporter gene

Promoter, splice, PolyA long version of EF1a promoter

Comments

Reference Parent vector: <http://plasmid.med.harvard.edu/PLASMID/GetVectorDetail.do?vectorid=233>

Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.17

Constructed by Gregory Segala

Date constructed 13.01.15

PLASMID NAME

pHAGE-mVps18

alternative name

bacterial marker Amp	parent vector 2017
eucaryotic replicon SV40 ori	bacterial plasmid
other relevant source constructs	

Inserts Murine Vps18 ORF was flanked with NotI and KpnI restriction sites and inserted in the pHAGE lentiviral vector to stably overexpress mVps18 after lentiviral transduction.
IRES was destroyed by KpnI, so this construct does not allow the expression of ZsGreen.

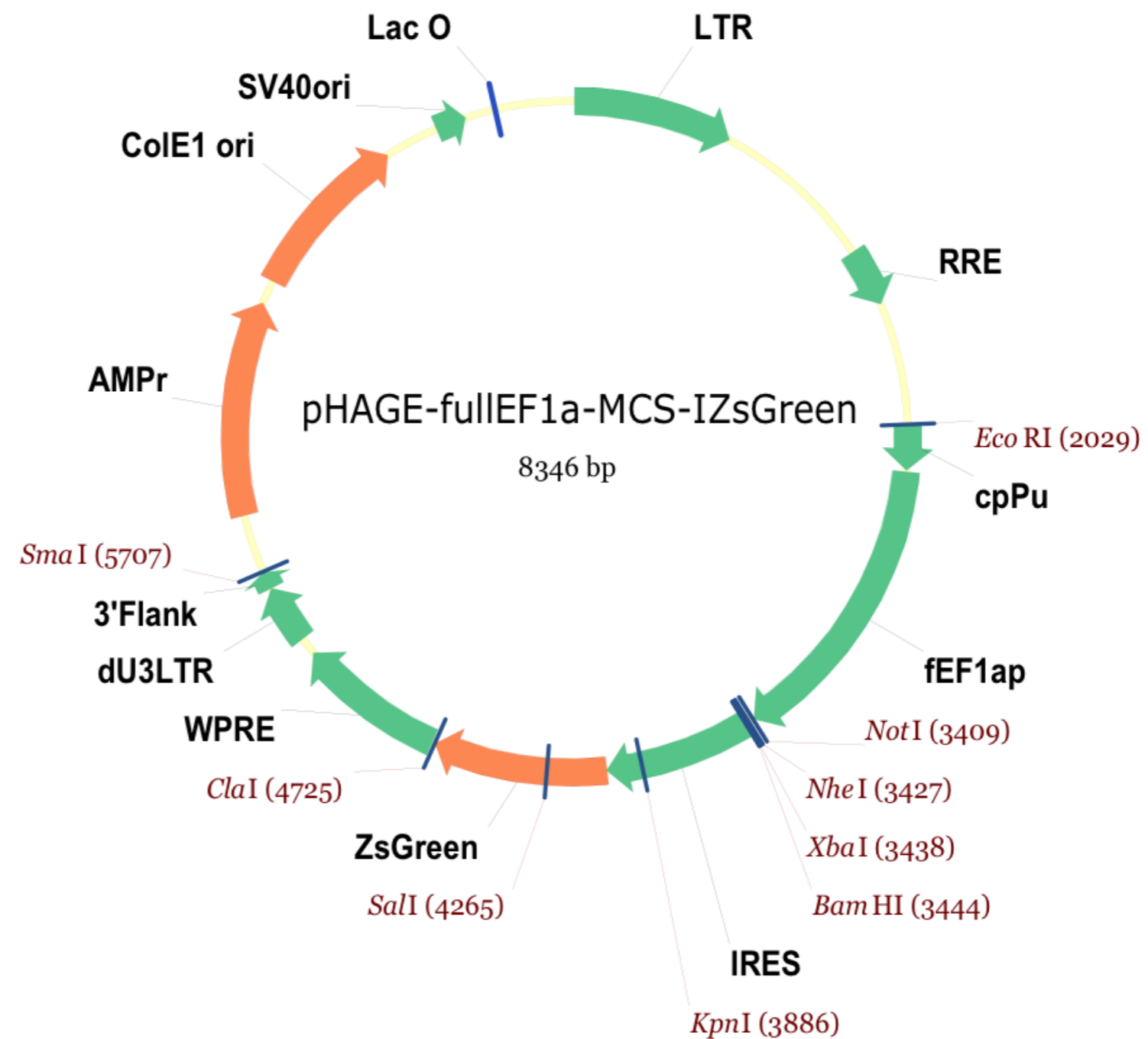
Reporter gene

Promoter, splice, PolyA long version of EF1a promoter

Comments

Reference Parent vector: <http://plasmid.med.harvard.edu/PLASMID/GetVectorDetail.do?vectorid=233>

Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.17

Constructed by Ian Eperon's lab

Date constructed 2002

PLASMID NAME

PTN23

alternative name

bacterial marker Amp

parent vector

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

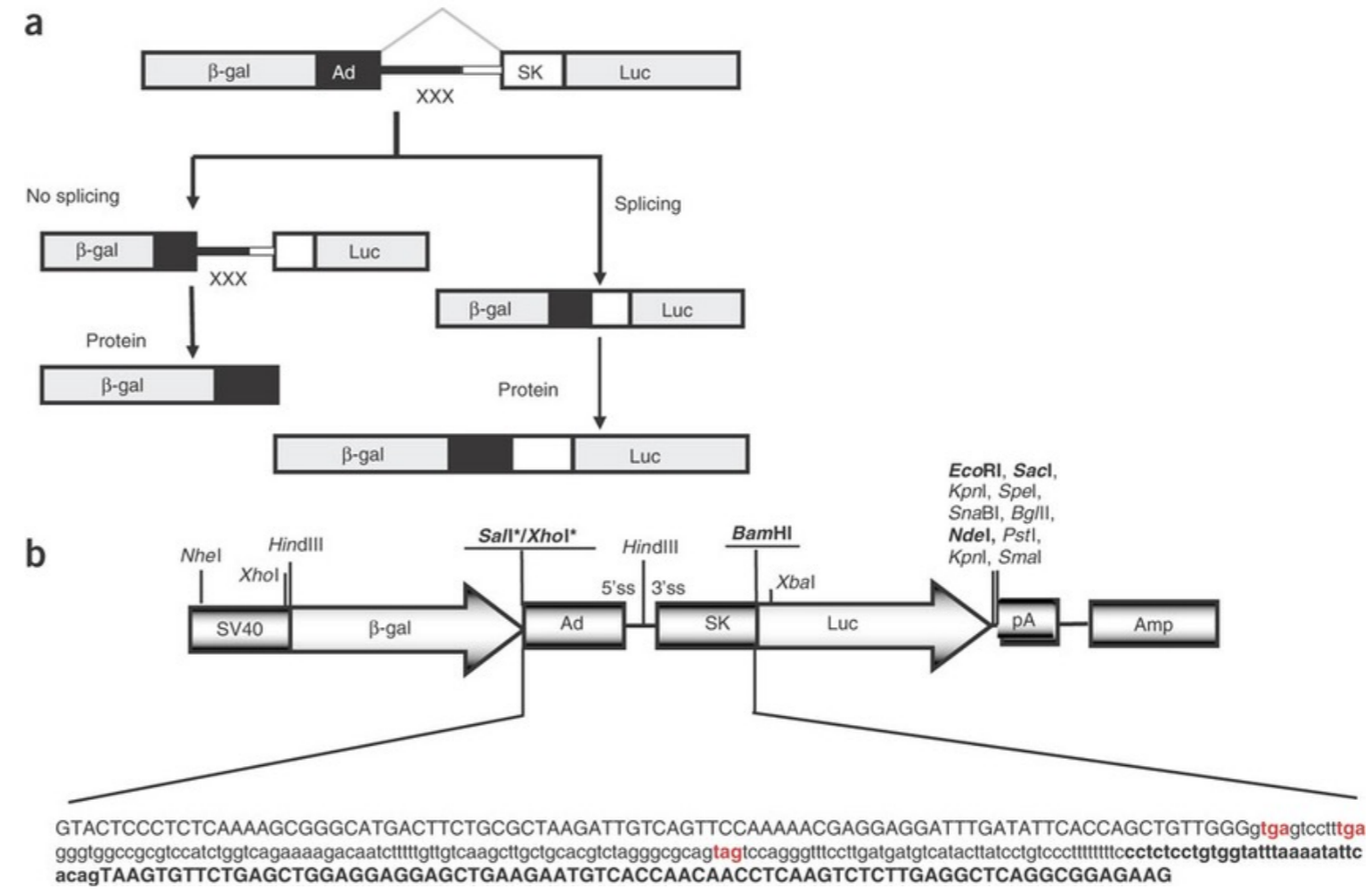
Inserts This construct allows to measure the splicing activity of a cell by luciferase assay.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Nasim et al., Nucleic Acids Research, 2002



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.17

Constructed by Ian Eperon's lab

Date constructed 2002

PLASMID NAME

PTN24

alternative name

bacterial marker Amp

parent vector

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts This construct allows to measure the splicing activity of a cell by luciferase assay.

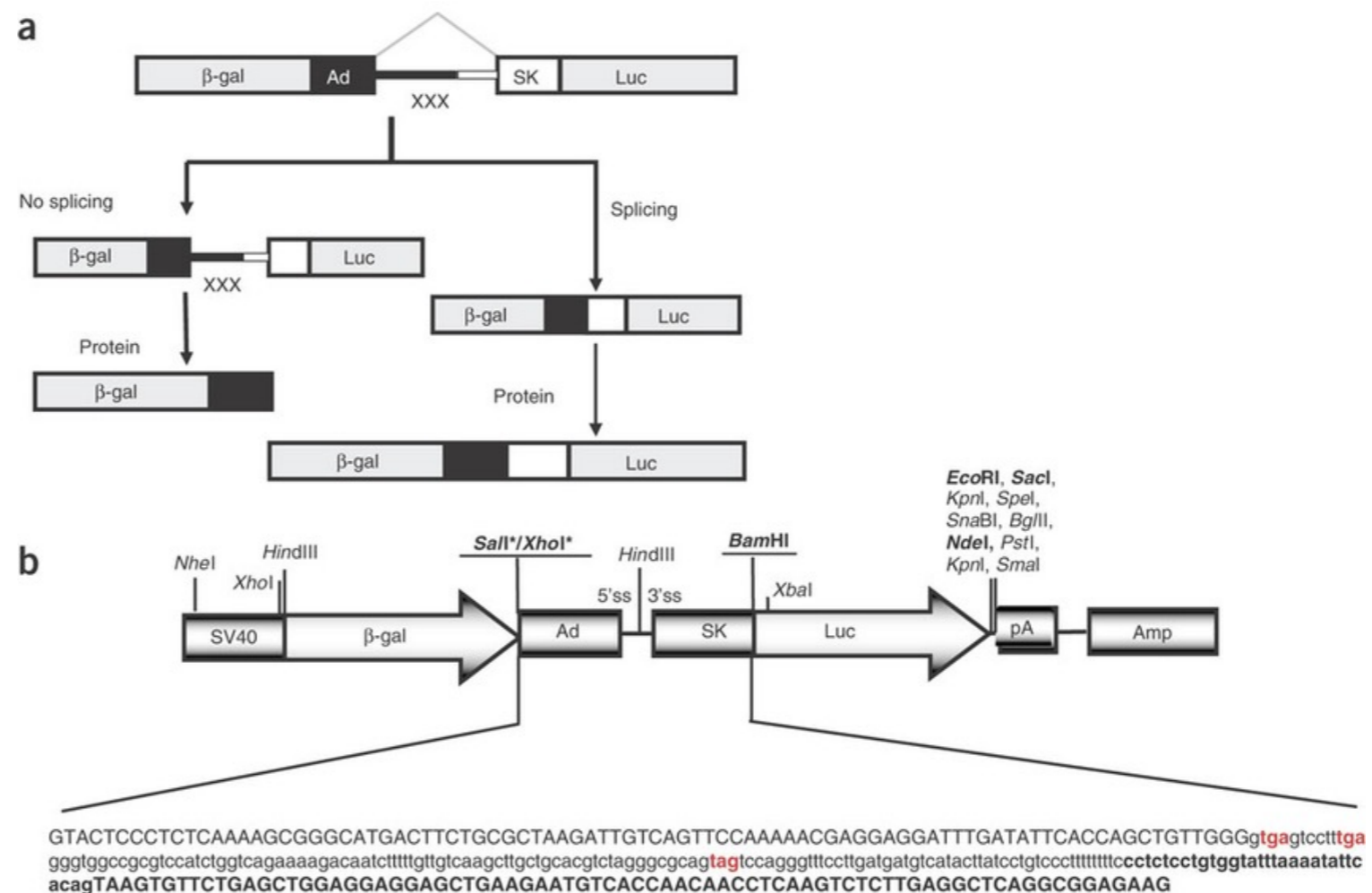
Same as PTN23 but a 30-nucleotide intron of the Tropomyosin gene was added.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Nasim et al., Nucleic Acids Research, 2002
Nasim et al., Nature Protocols, 2006



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.17

Constructed by Jin Zhang's lab

Date constructed 2010

PLASMID NAME

AKAR4

alternative name

<u>bacterial marker</u> Amp	<u>parent vector</u>
	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>
<u>eucaryotic replicon</u> SV40 ori	

Inserts This construct allows to measure the activity of PKA in live-cell imaging by FRET CFP-YFP.

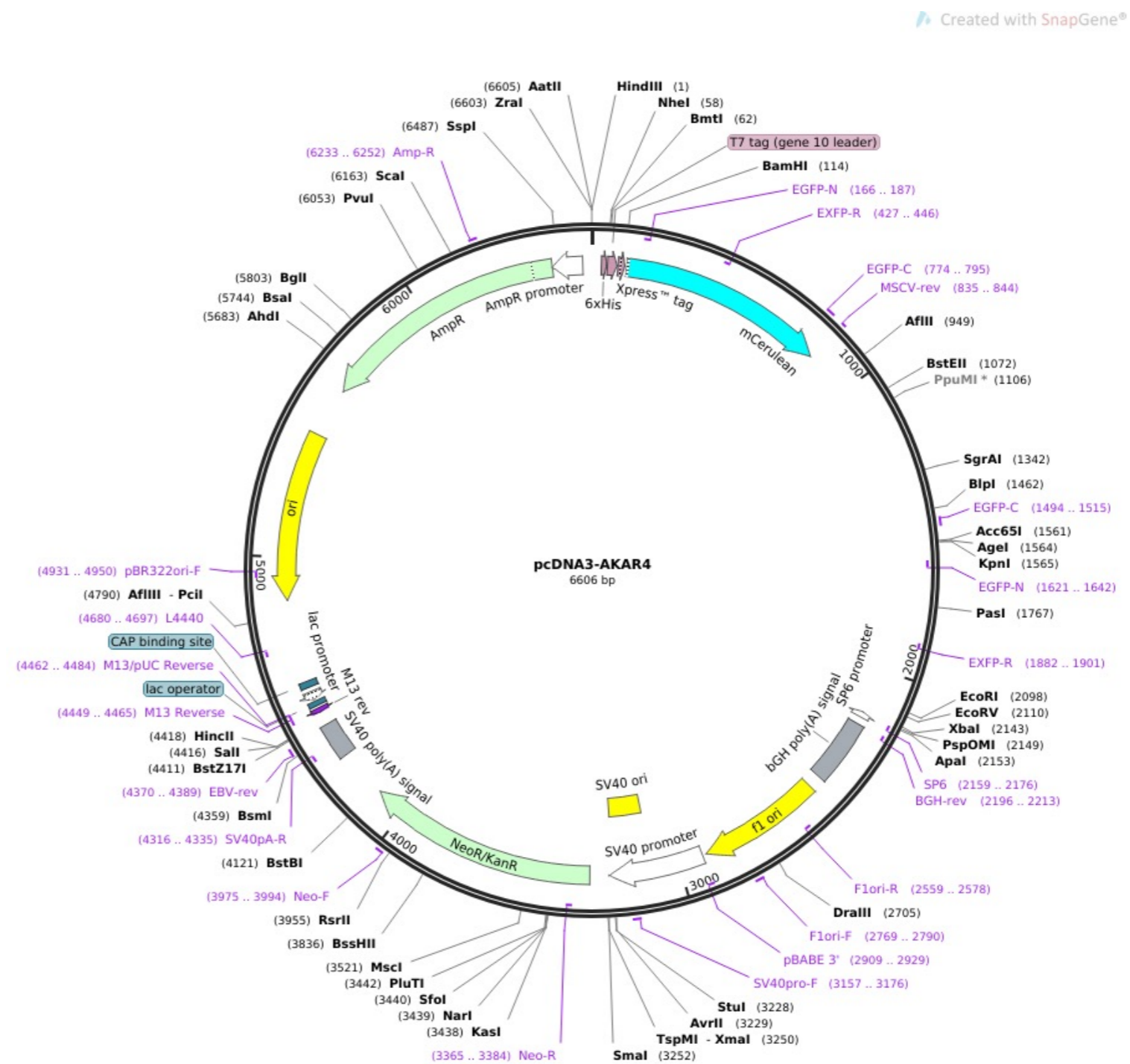
Reporter gene

Promoter, splice, PolyA

Comments

Reference <https://www.addgene.org/61619/>

Visualization of PKA activity in plasma membrane microdomains. Depry C, Allen MD, Zhang J. Mol Biosyst. 2011 Jan;7(1):52-8. doi: 10.1039/c0mb00079e.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.17

Constructed by Jin Zhang's lab

Date constructed 2015

PLASMID NAME

AktAR2

alternative name

<u>bacterial marker</u> Amp	<u>parent vector</u>
<u>eucaryotic replicon</u> SV40 ori	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>

Inserts This construct allows to measure the activity of Akt in live-cell imaging by FRET CFP-YFP.

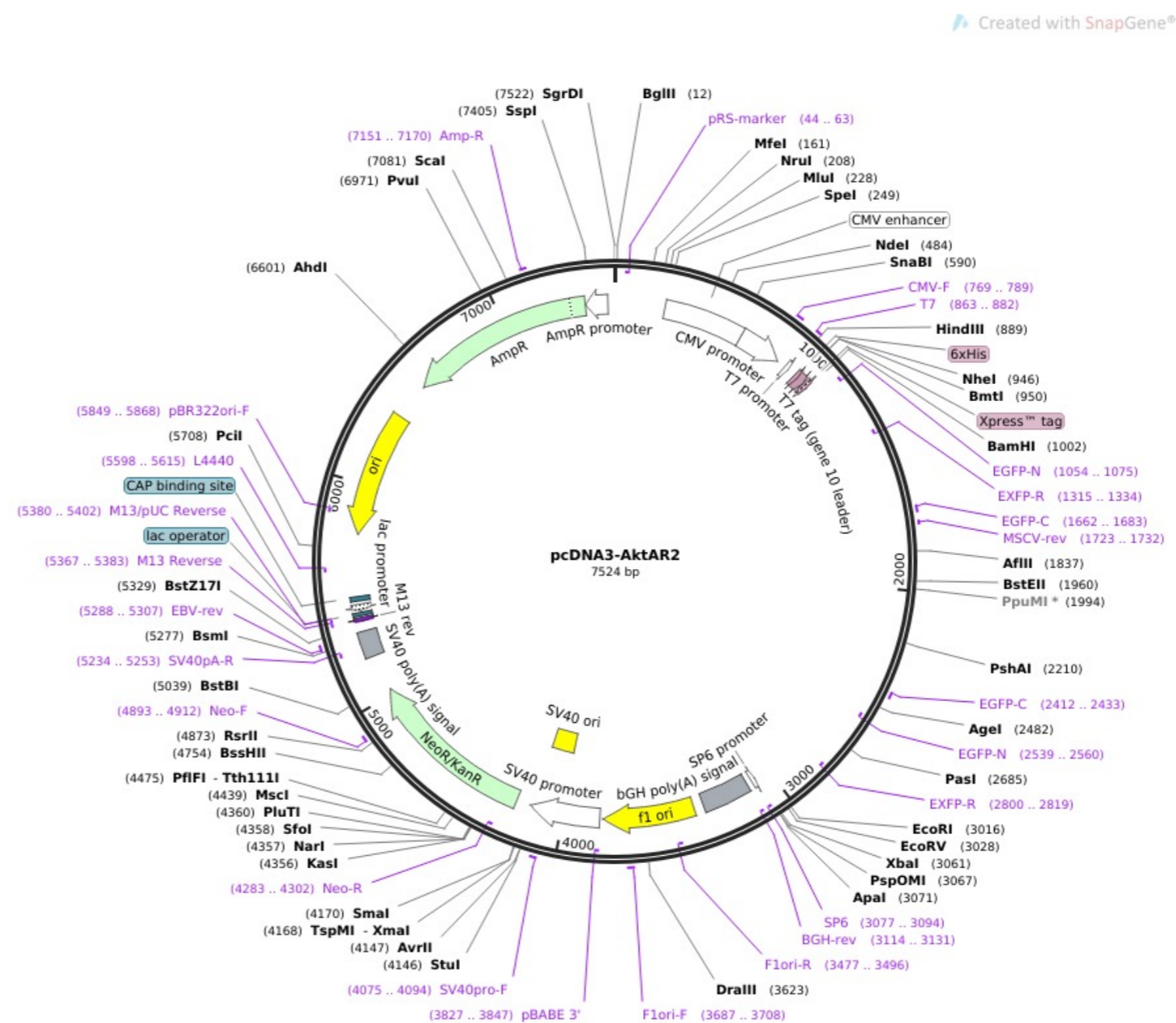
Reporter gene

Promoter, splice, PolyA

Comments

Reference <https://www.addgene.org/64932/>

Dynamic Visualization of mTORC1 Activity in Living Cells. Zhou X, Clister TL, Lowry PR, Seldin MM, Wong GW, Zhang J. Cell Rep. 2015 Mar 11. pii: S2211-1247(15)00177-1. doi: 10.1016/j.celrep.2015.02.031



DIDIER PICARD LAB, University of Geneva

Construct number

2750

Date entered

4.8.17

Constructed by

Ratna Vadlamudi's lab

Date constructed

2010

PLASMID NAME

PELP1 Wt

alternative name

bacterial marker Amp

parent vector pEBG

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts

Human PELP1 (isoform 1-1130aa) was cloned in pEBG vector between BamHI and NotI.

Reporter gene

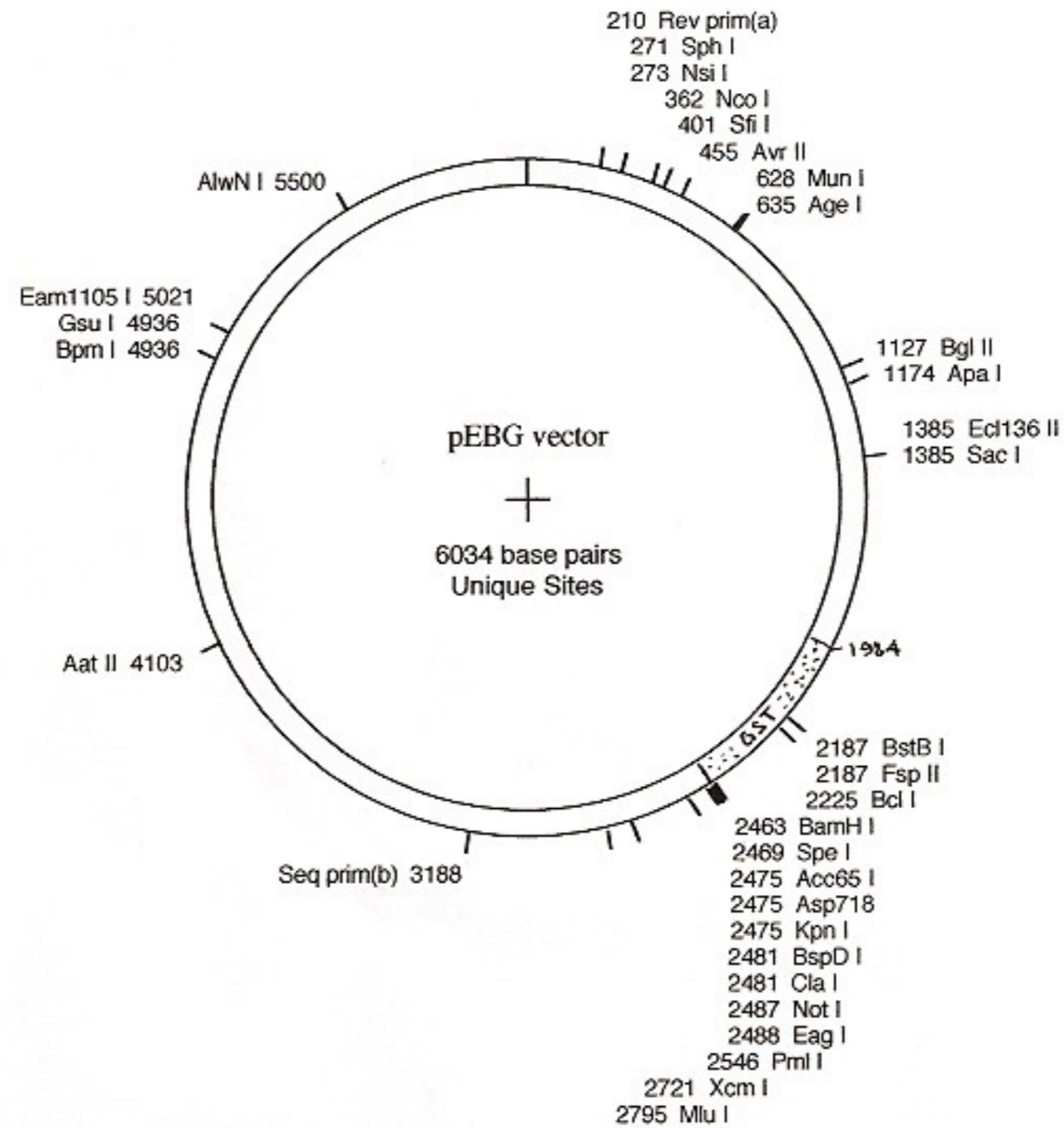
Promoter,
splice,
PolyA

Comments

Reference

Chakravarty et al., Cancer Research 2010

Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.17

Constructed by Ratna Vadlamudi's lab

Date constructed 2010

PLASMID NAME

PELP1-Mut-SRC

alternative name

<u>bacterial marker</u> Amp	<u>parent vector</u> pEBG
<u>eucaryotic replicon</u> SV40 ori	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>

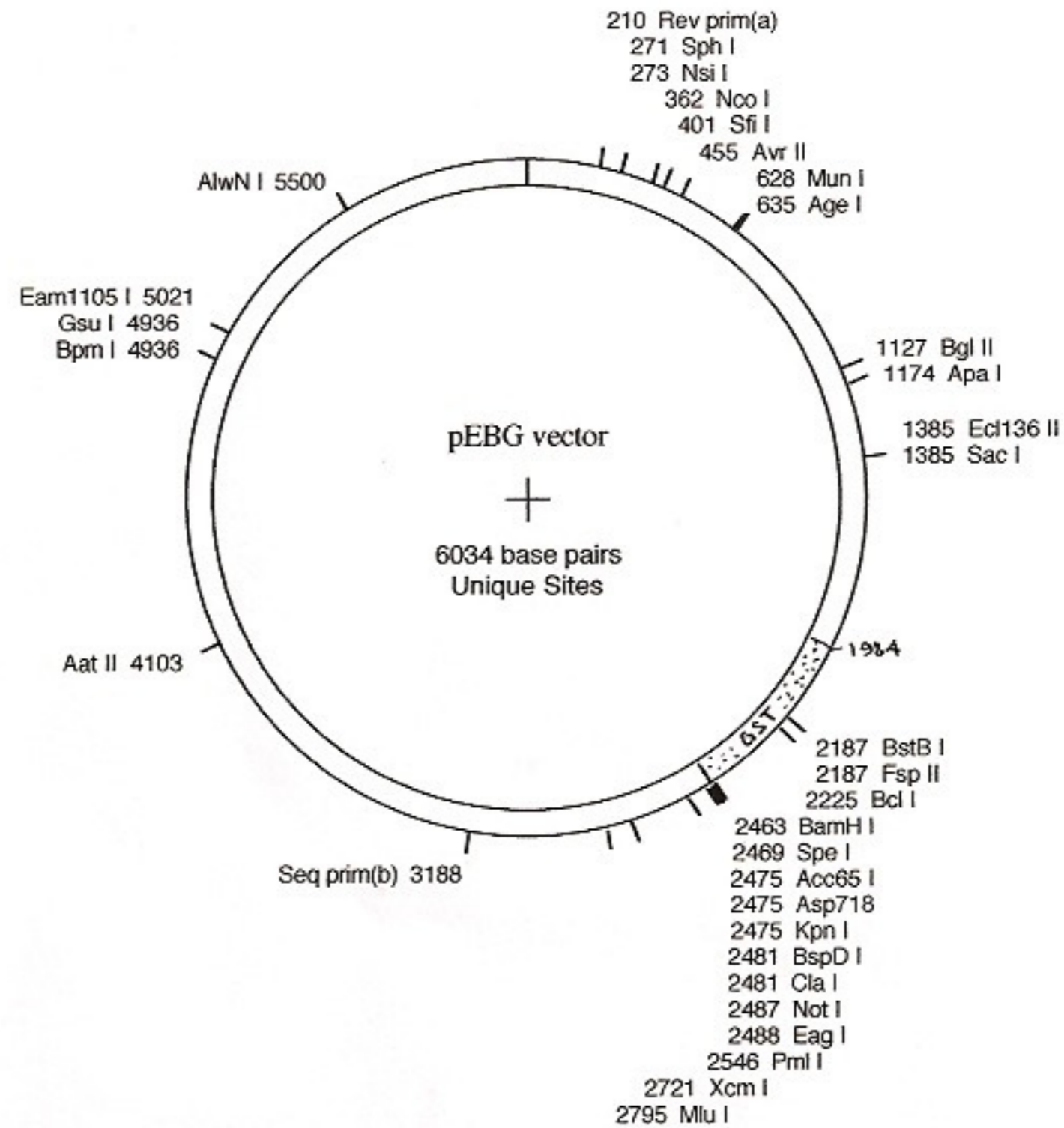
Inserts Human PELP1 (isoform 1-1130aa) was cloned in pEBG vector between BamHI and NotI. It was mutated on a PXXP site (SH2 binding site) and mutated as Y920F that are the two sites of interaction between PELP1 and c-Src.

Reporter gene

**Promoter,
splice,
PolyA**

Comments

Reference Chakravarty et al., Cancer Research 2010
Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number 2752

Date entered 4.8.17

Constructed by Ted Dawson's lab

Date constructed 2005

PLASMID NAME

HA-Ubiquitin

alternative name

bacterial marker Amp	parent vector
	bacterial plasmid
eucaryotic replicon SV40 ori	other relevant source constructs

Inserts Mammalian expression of HA tagged ubiquitin

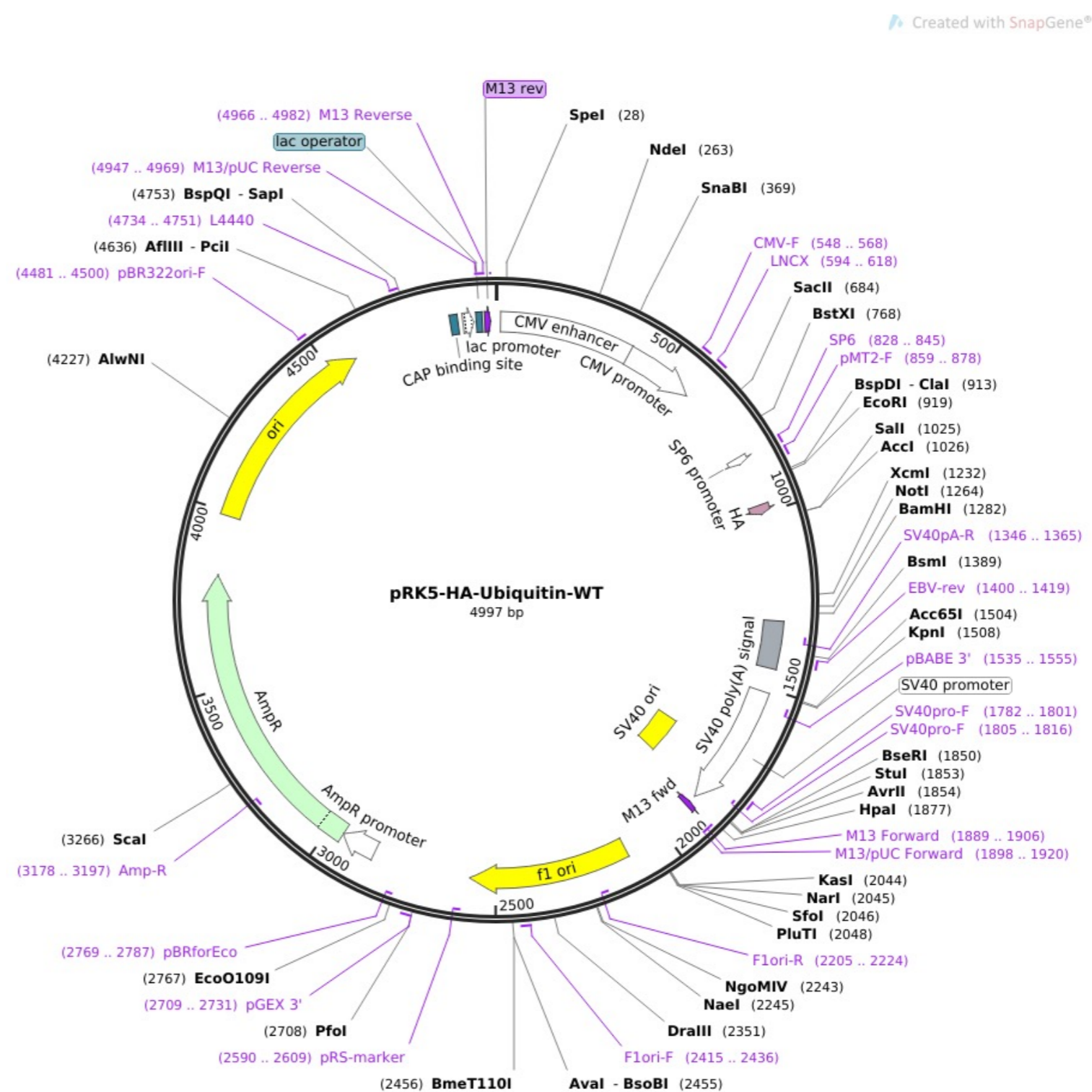
Reporter gene

Promoter, splice, PolyA

Comments

Reference <https://www.addgene.org/17608/>

Parkin mediates nonclassical, proteasomal-independent ubiquitination of synphilin-1: implications for Lewy body formation. Lim KL, Chew KC, Tan JM, Wang C, Chung KK, Zhang Y, Tanaka Y, Smith W, Engelender S,...



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.17

Constructed by Ted Dawson's lab

Date constructed 2005

PLASMID NAME

HA-Ubiquitin-KO

alternative name

<u>bacterial marker</u> Amp	<u>parent vector</u>
<u>eucaryotic replicon</u> SV40 ori	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>

Inserts Mammalian expression of HA tagged ubiquitin carrying zero lysines (K0)

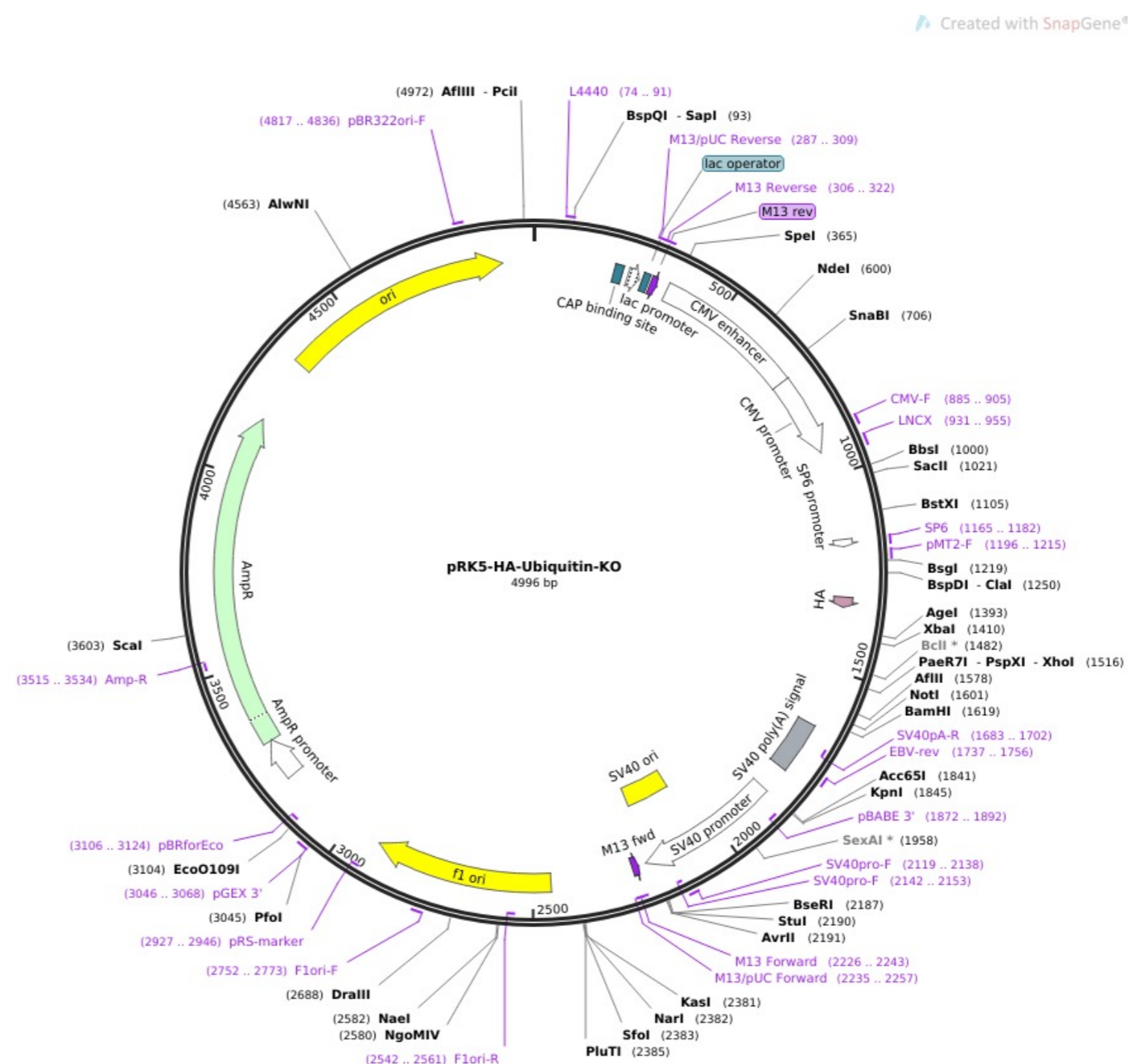
Reporter gene

Promoter,
splice,
PolyA

Comments

Reference <https://www.addgene.org/17603/>

Parkin mediates nonclassical, proteasomal-independent ubiquitination of synphilin-1: implications for Lewy body formation. Lim KL, Chew KC, Tan JM, Wang C, Chung KK, Zhang Y, Tanaka Y, Smith W, Engelender S,...



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.17

Constructed by Sharad Kumar's lab

Date constructed 2002

PLASMID NAME

pPac-EcR-B1

alternative name

bacterial marker Amp

parent vector pPac

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

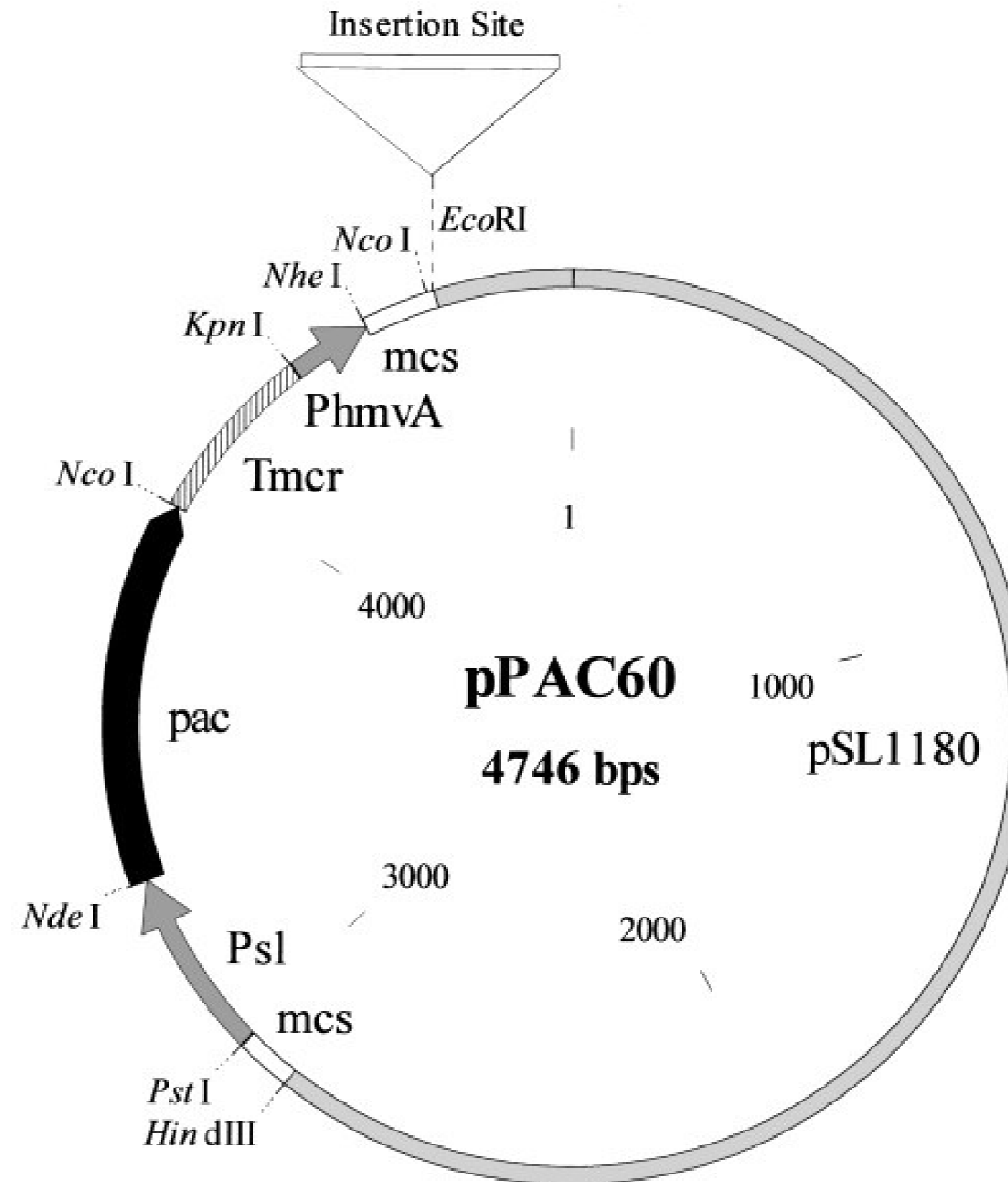
Inserts Expression vector of the Ecdysone Receptor (EcR-B1) in *D.melanogaster*, cloned in pPac vector.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2174053/>
Cakouros et al., J Cell Biol 2002



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.17

Constructed by Sharad Kumar's lab

Date constructed 2002

PLASMID NAME

pMK-EcR-B1

alternative name

bacterial marker	Kan	parent vector	pMK
		bacterial plasmid	
		other relevant source constructs	
eucaryotic replicon	SV40 ori		

Inserts Expression vector of the Ecdysone Receptor (EcR-B1) in *D.melanogaster*, cloned in pMK vector.

Reporter gene

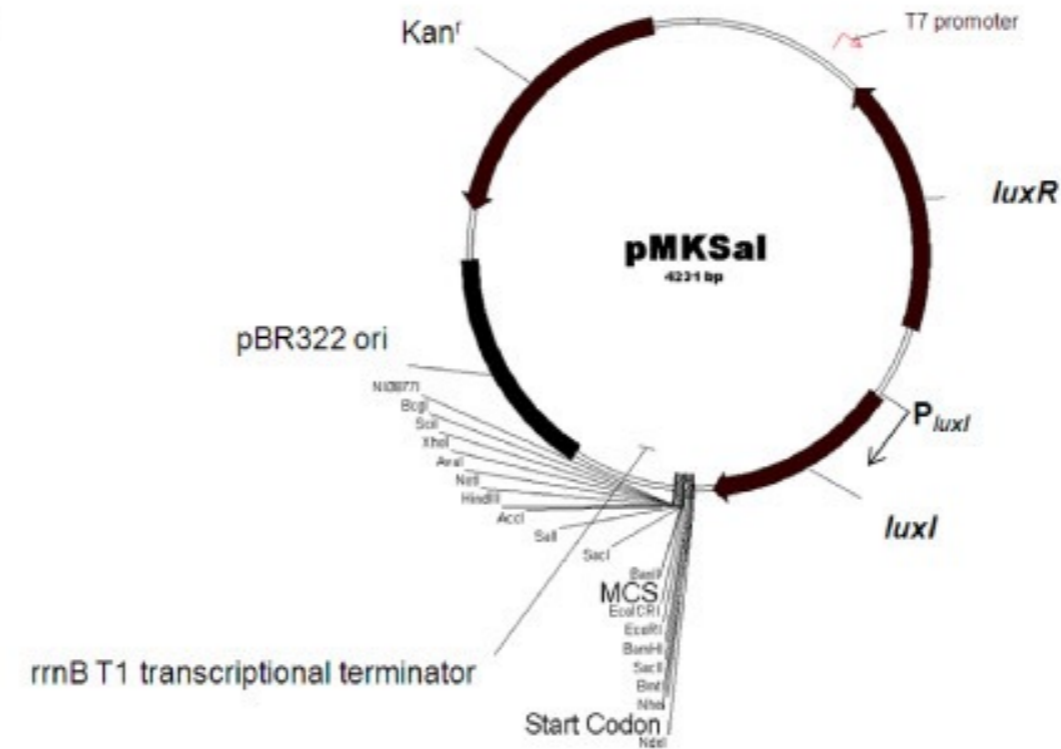
Promoter,
splice,
PolyA

Comments

Reference <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2174053/>

Cakouros et al., J Cell Biol 2002

A



B

MCS1 NdeI NheI SacI BamHI EcoRI SacI SalI HindIII NotI XhoI Stop codons
 CATATGGCTAGCCGCGGATCCGAATTCGAGCTCCGTCGACAAGCTTGC GGCCGCACTCGAG
 GTGACTGACTGA

MCS2 AatII EcoRI Sall XhoI NotI Stop codons
 ATAATGAAGACGTCGAAGAATTCGTCGACTGCAGCGGCCGCGTGACTGACTGA

MCS3 AatII His 6X-Tag Tev-protease site cleavage EcoRI Sall XhoI NotI Stop codons
 ATAATGAAGACGTCGCATCATCATCATCACGAAAACCTGTACTTCCAGGGCAAGAATTCGTCGACTGCAG
 CGGCCGCGTGACTGACTGA

DIDIER PICARD LAB, University of Geneva

Construct number

2756

Date entered

4.8.17

Constructed by

François Karch's lab

Date constructed

PLASMID NAME

GAL4(for Drosophila)

alternative name

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts

Expression vector of the Gal4 driver to be expressed in D.melanogaster cells.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

2757

Date entered

4.8.17

Constructed by

François Karch's lab

Date constructed

PLASMID NAME

pRL (for Drosophila)

alternative name

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts

Expression vector of the Renilla to be expressed in D.melanogaster cells.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

2758

Date entered

4.8.17

Constructed by

Sharad Kumar's lab

Date constructed

2002

PLASMID NAME

Dronc-Luc Wt

alternative name

bacterial marker Amp

parent vector pXPG

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts

Luciferase Reporter construct to assess the activity of the Dronc promoter, a target of the EcR.

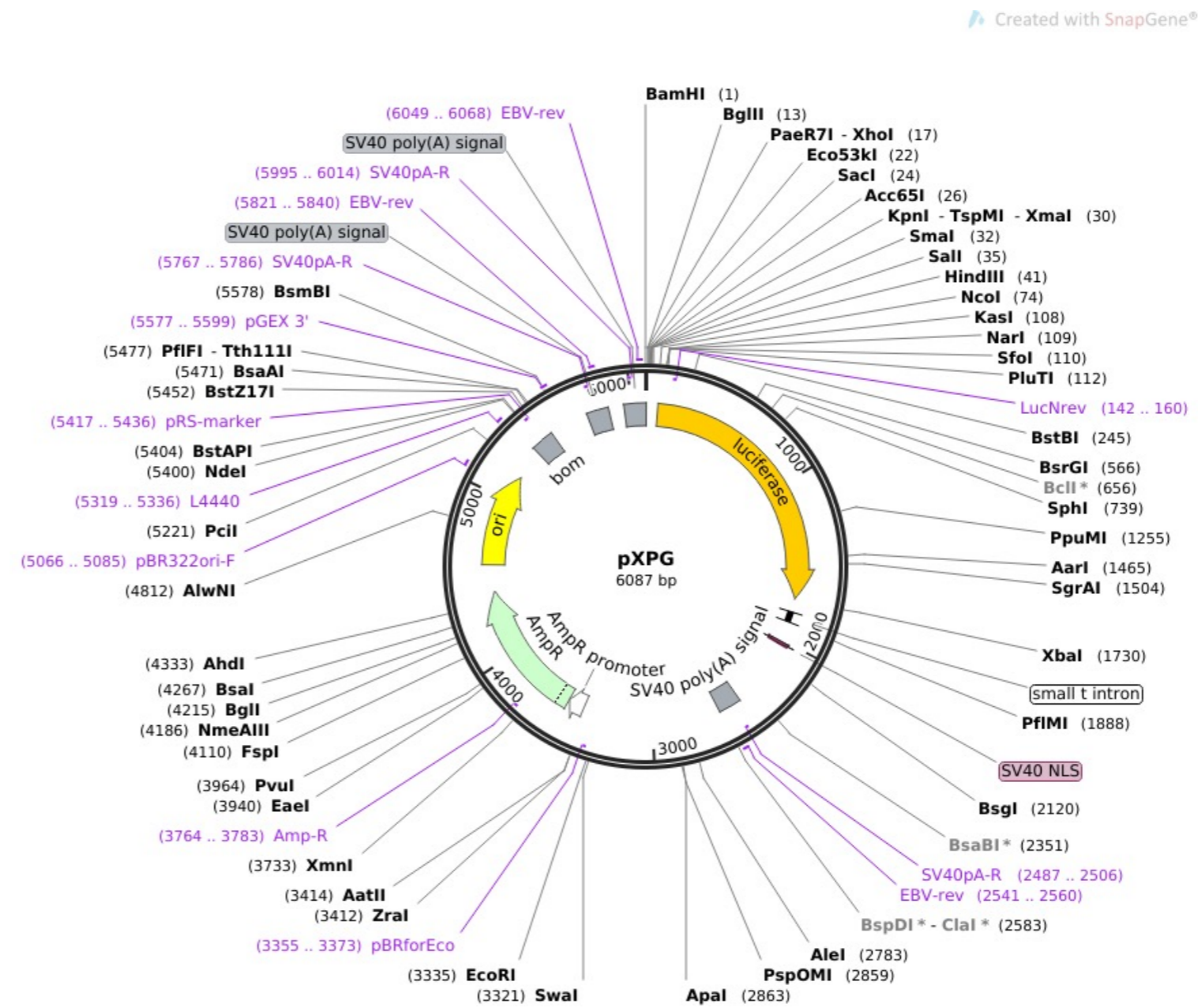
Reporter gene

Promoter, splice, PolyA

Comments

Reference <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2174053/>

Cakouros et al., J Cell Biol 2002



DIDIER PICARD LAB, University of Geneva

Construct number 2759

Date entered 4.8.17

Constructed by Sharad Kumar's lab

Date constructed 2002

PLASMID NAME

Dronc-Luc Mut

alternative name

<u>bacterial marker</u> Amp	<u>parent vector</u> pXPG
<u>eucaryotic replicon</u> SV40 ori	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>

Inserts Luciferase Reporter construct to assess the activity of the mutated Dronc promoter, a target of the EcR.

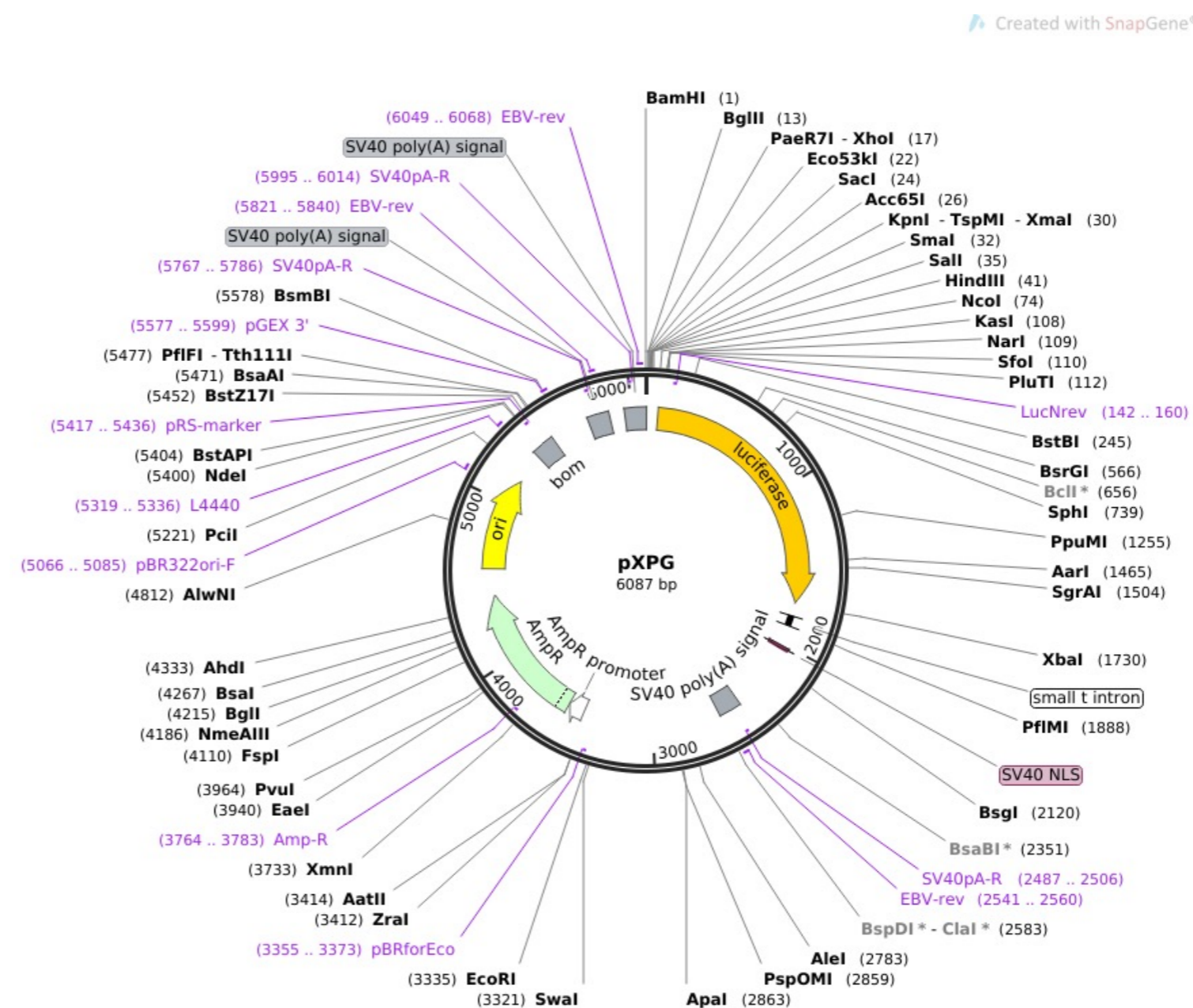
Reporter gene

Promoter,
splice,
PolyA

Comments

Reference <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2174053/>

Cakouros et al., J Cell Biol 2002



DIDIER PICARD LAB, University of Geneva

Construct number

2760

Date entered

4.8.17

Constructed by

Joan Conaway's lab

Date constructed

PLASMID NAME

INO80

alternative name

bacterial marker Amp

parent vector

pCMV-3xFlag

bacterial plasmid

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts

Plasmid to overexpress flag-tagged human INO80.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

2761

Date entered

4.8.17

Constructed by

Edelmann's lab

Date constructed

2016

PLASMID NAME

Flag-hVps11

alternative name

bacterial marker Amp

parent vector

pCMV-3xFlag

bacterial plasmid

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts Plasmid to overexpress human Vps11.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference <https://www.ncbi.nlm.nih.gov/pubmed/27120463>

Zhang et al., Plos Genetics 2016

Segala et al. (2019). Nat. Commun. 10, 1833.

DIDIER PICARD LAB, University of Geneva

Construct number

2762

Date entered

4.8.17

Constructed by

Yoshihiro Kawaoka's lab

Date constructed

2011

PLASMID NAME

pCA-NFlag-hVps18

alternative name

bacterial marker Amp

parent vector

pCA-NFLAG

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts Plasmid to overexpress Flag-tagged human Vps18

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference <https://www.ncbi.nlm.nih.gov/pubmed/21450827>

Tomita et al., J Virol 2011

Segala et al. (2019). Nat. Commun. 10, 1833.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.17

Constructed by Gregory Segala

Date constructed 16.03.15

PLASMID NAME

hVps11DeltaRING

alternative name

<u>bacterial marker</u> Amp	<u>parent vector</u>
	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>
<u>eucaryotic replicon</u> SV40 ori	

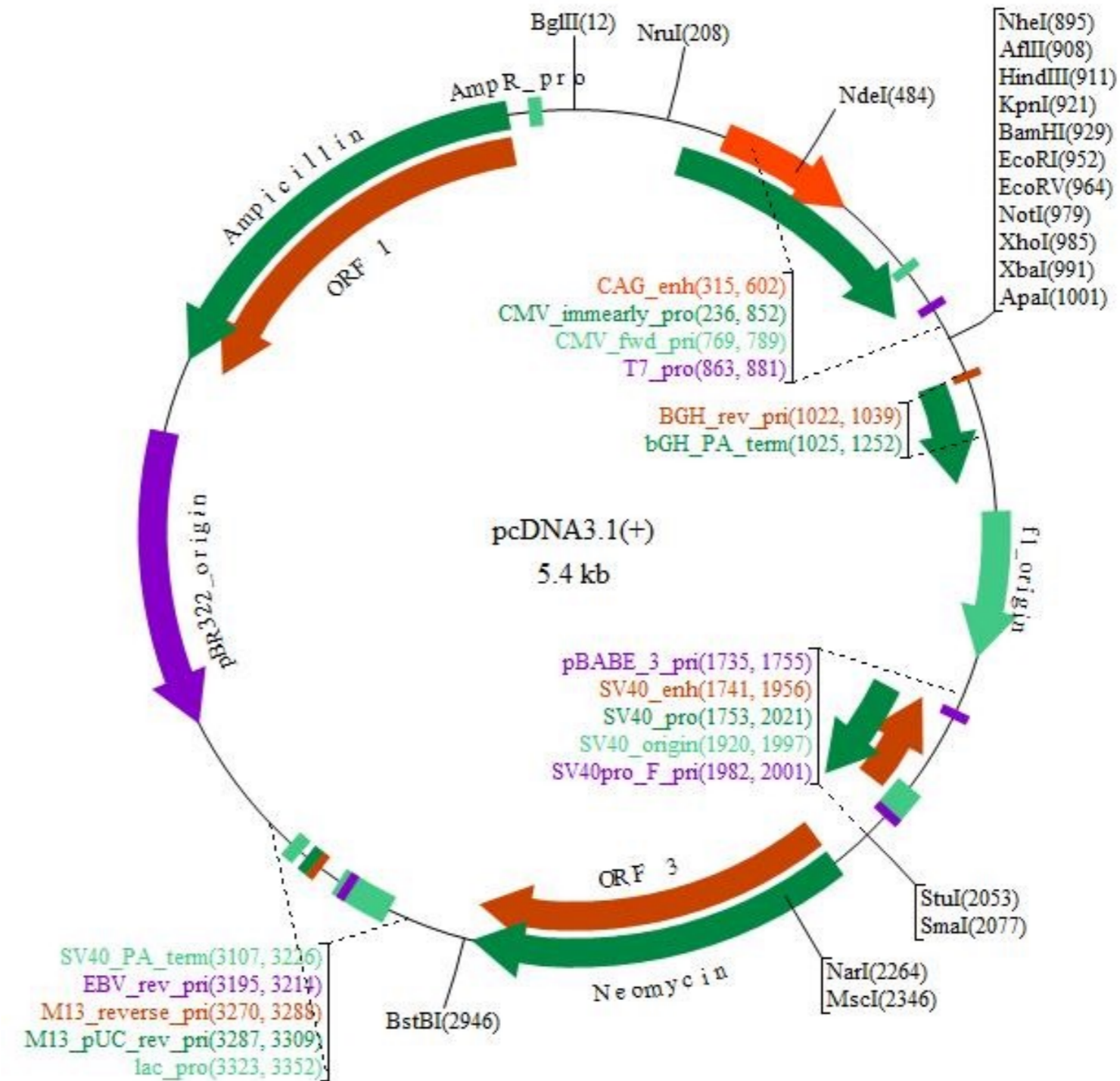
Inserts Human Vps11 ORF was amplified between amino acids 1 to 821 to delete the RING domain that is between 822 and 861. This cDNA was flanked by EcoR1 and XhoI and was inserted into pcDNA3.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.17

Constructed by Gregory Segala

Date constructed 16.03.15

PLASMID NAME

mVps18DeltaRING

alternative name

<u>bacterial marker</u> Amp	<u>parent vector</u>
	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>
<u>eucaryotic replicon</u> SV40 ori	

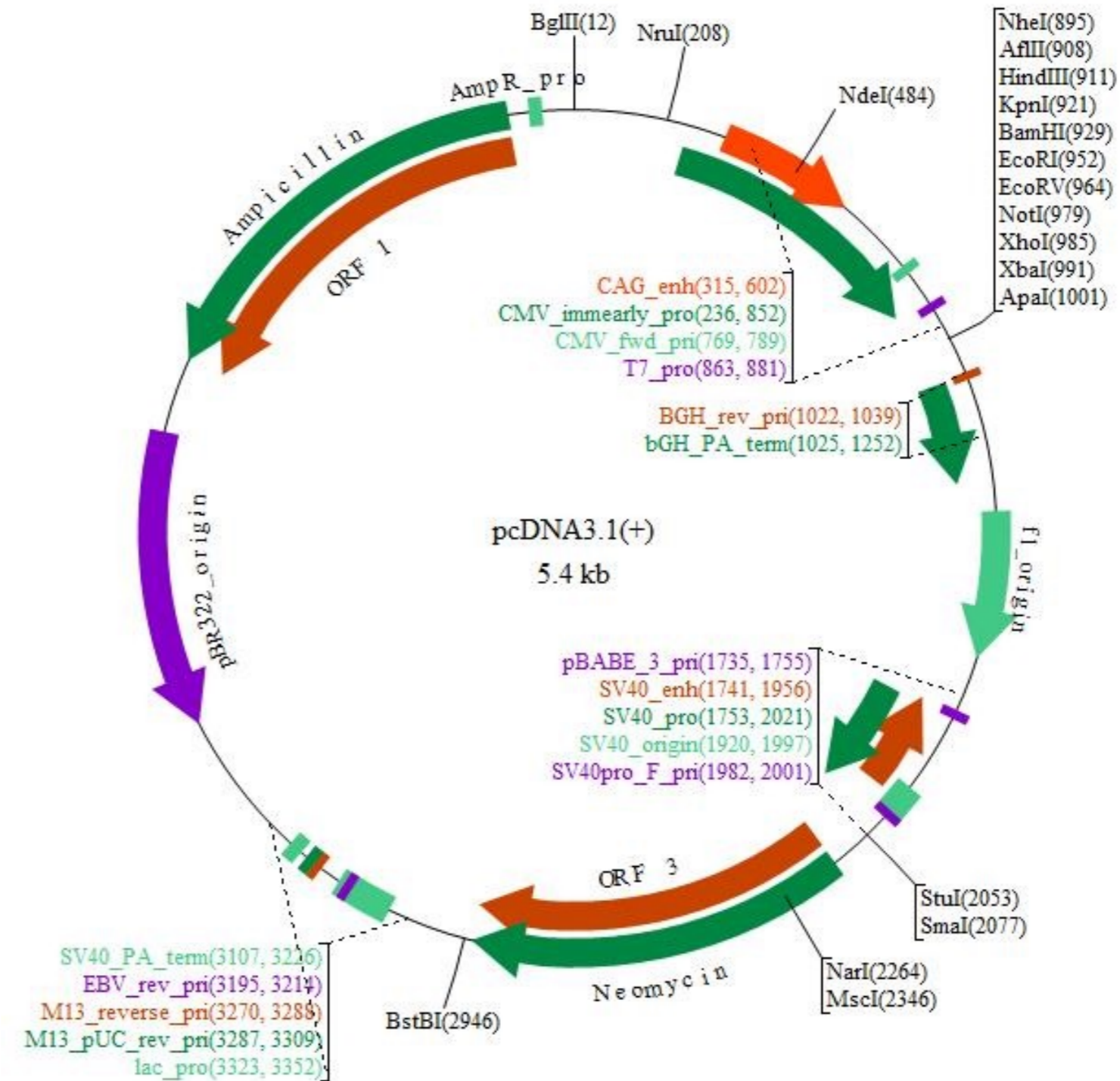
Inserts Murine Vps18 ORF was amplified between amino acids 1 to 852 to delete the RING domain that is between 853 and 947. This cDNA was flanked by KpnI and NotI and was inserted into pcDNA3.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.17

Constructed by Gregory Segala

Date constructed 06.05.17

PLASMID NAME

hVps18DeltaRING

alternative name

<u>bacterial marker</u> Amp	<u>parent vector</u>
	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>
<u>eucaryotic replicon</u> SV40 ori	

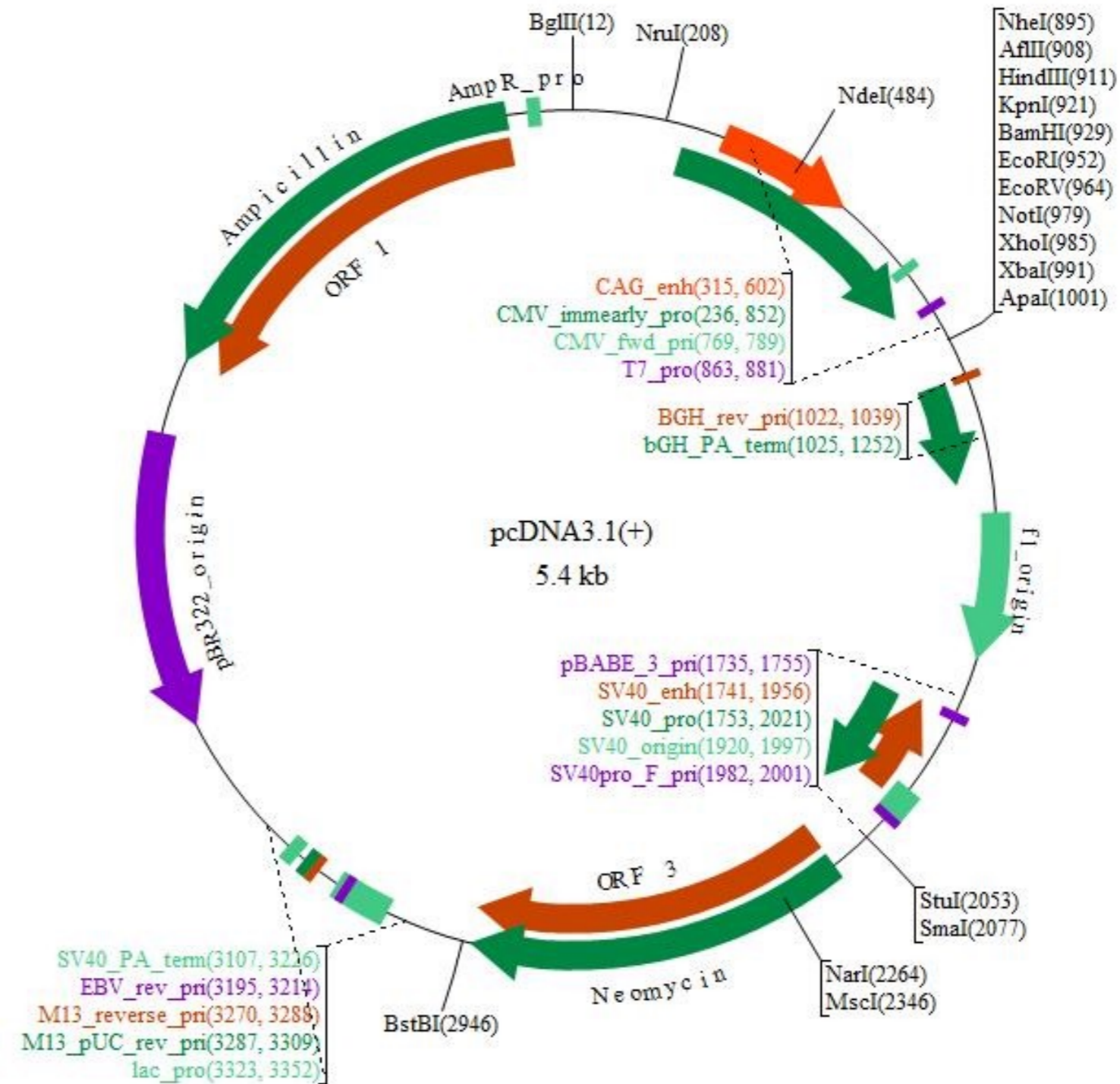
Inserts Human Vps18 ORF was amplified between amino acids 1 to 852 to delete the RING domain that is between 853 and 947. This cDNA was flanked by KpnI and NotI and was inserted into pcDNA3.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.17

Constructed by Edelmans's lab

Date constructed 2016

PLASMID NAME

Flag-hVps11 C846G

alternative name

bacterial marker Amp

parent vector
pCMV-3xFlag
bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts Plasmid to overexpress human Vps11 mutated on C846G.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference <https://www.ncbi.nlm.nih.gov/pubmed/27120463>

Zhang et al., Plos Genetics 2016

Segala et al. (2019). Nat. Commun. 10, 1833.

DIDIER PICARD LAB, University of Geneva

Construct number

2767

Date entered

4.8.17

Constructed by

Gregory Segala

Date constructed

25.04.17

PLASMID NAME

hVps11 C822A

alternative name

bacterial marker Amp

parent vector
pCMV-SPORT6

bacterial plasmid

other relevant source constructs

eucaryotic replicon SV40 ori

Inserts

Human Vps11 was mutated on C822A. This is the first Cystein of the RING domain and the mutation impairs the RING domain folding.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Segala et al. (2019). Nat. Commun. 10, 1833.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.17

Constructed by Gregory Segala

Date constructed 06.05.17

PLASMID NAME

plk

alternative name

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

eucaryotic replicon SV40 ori

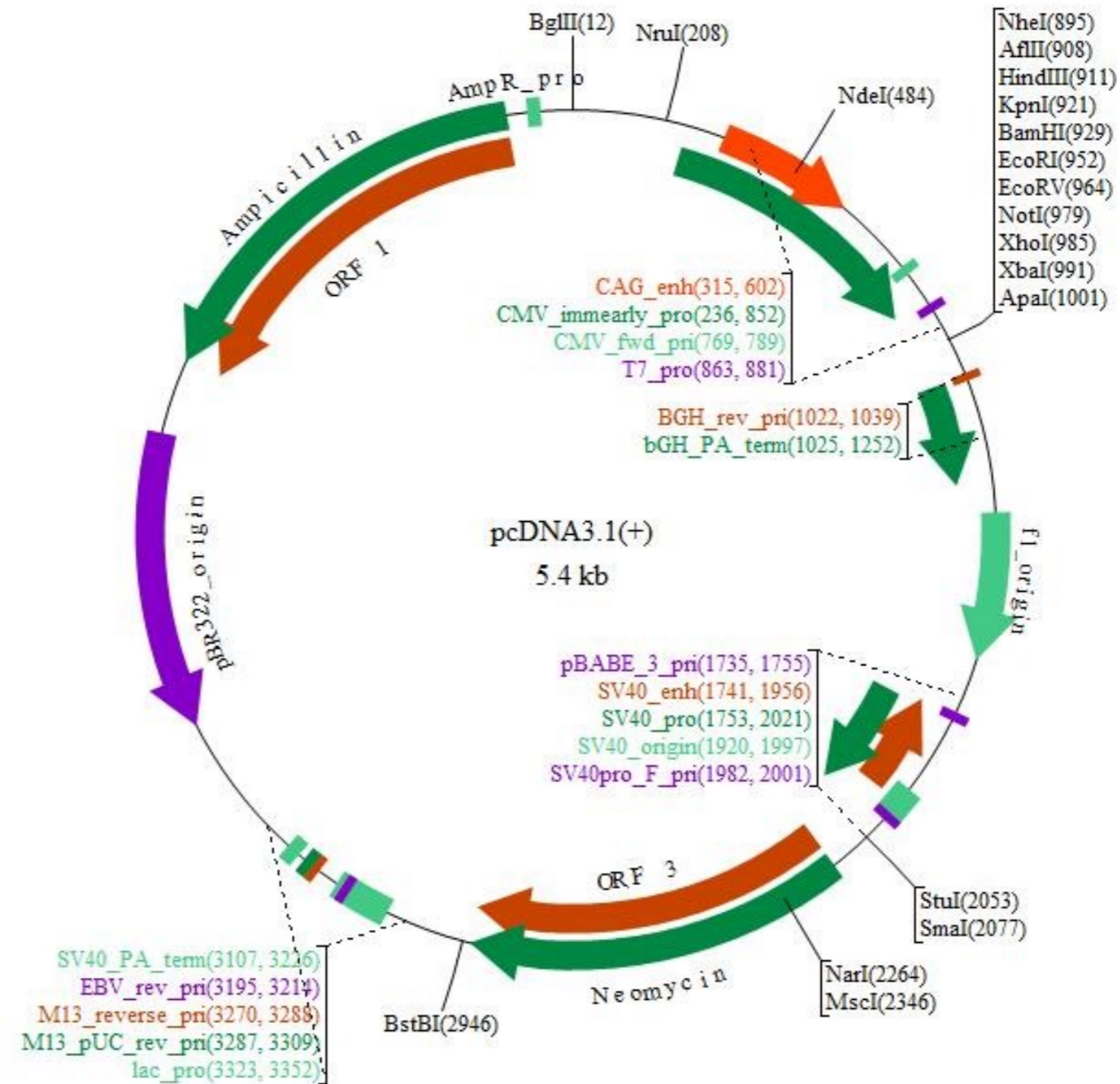
Inserts Human Vps18 ORF was mutated on C853A and it was flanked by KpnI and NotI and was inserted into pcDNA3. This mutation impairs the RING domain folding.

Reporter gene

Promoter, splice, PolyA

Comments

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.17

Constructed by Gregory Segala

Date constructed 30.01.17

PLASMID NAME

mVps18Delta1

alternative name

<u>bacterial marker</u> Amp	<u>parent vector</u>
	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>
<u>eucaryotic replicon</u> SV40 ori	

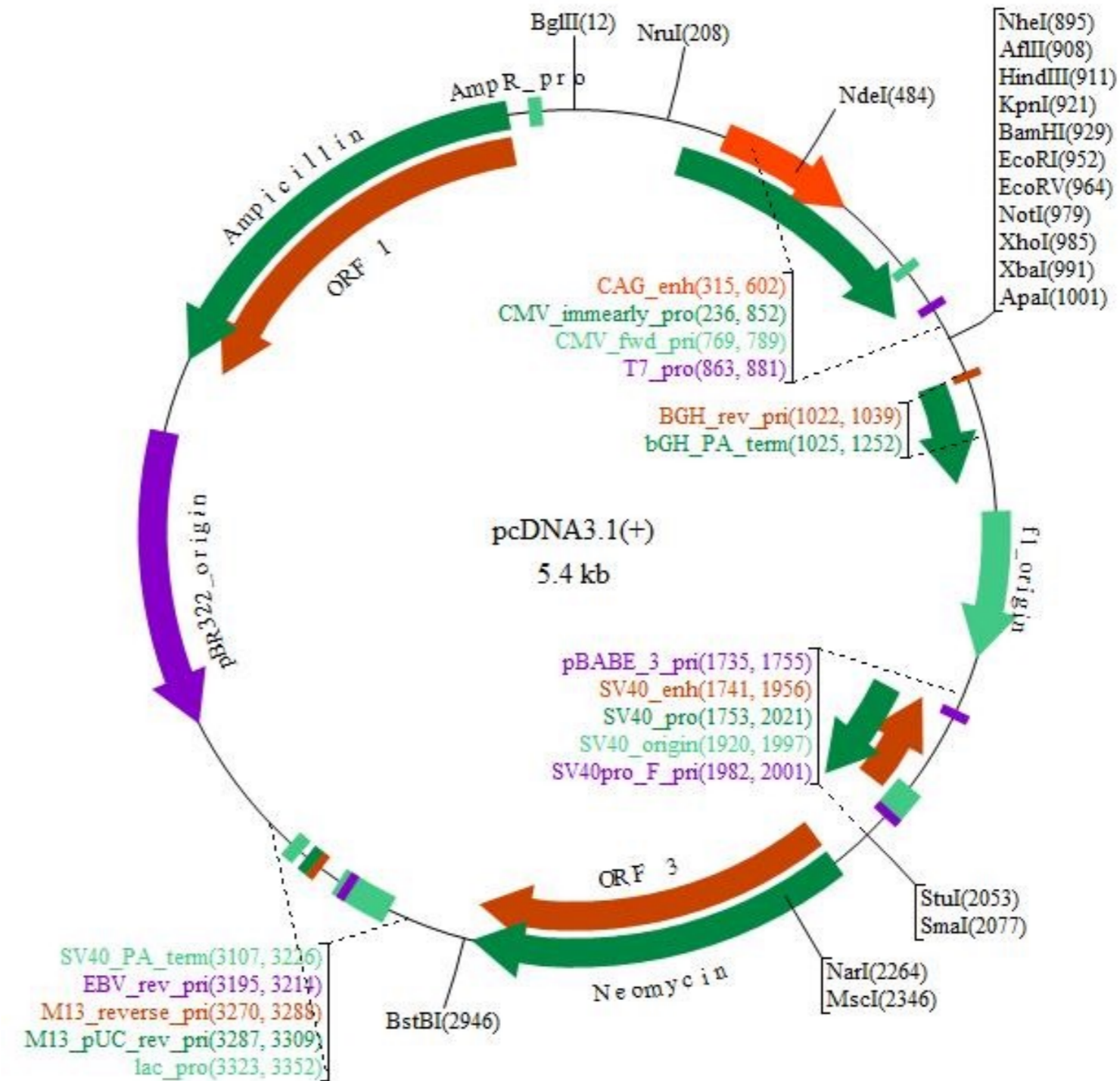
Inserts Murine Vps18 ORF was amplified between amino acids 1 to 690 and 780 to 973 to delete a potent RING domain between 690 and 780. Bam HI restriction site was used to bridge together the two fragments in the middle (bridge 690 with 780). This cDNA was flanked by KpnI and NotI and was inserted into pcDNA3.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.17

Constructed by Gregory Segala

Date constructed 30.01.17

PLASMID NAME

mVps18Delta1,2

alternative name

<u>bacterial marker</u> Amp	<u>parent vector</u>
	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>
<u>eucaryotic replicon</u> SV40 ori	

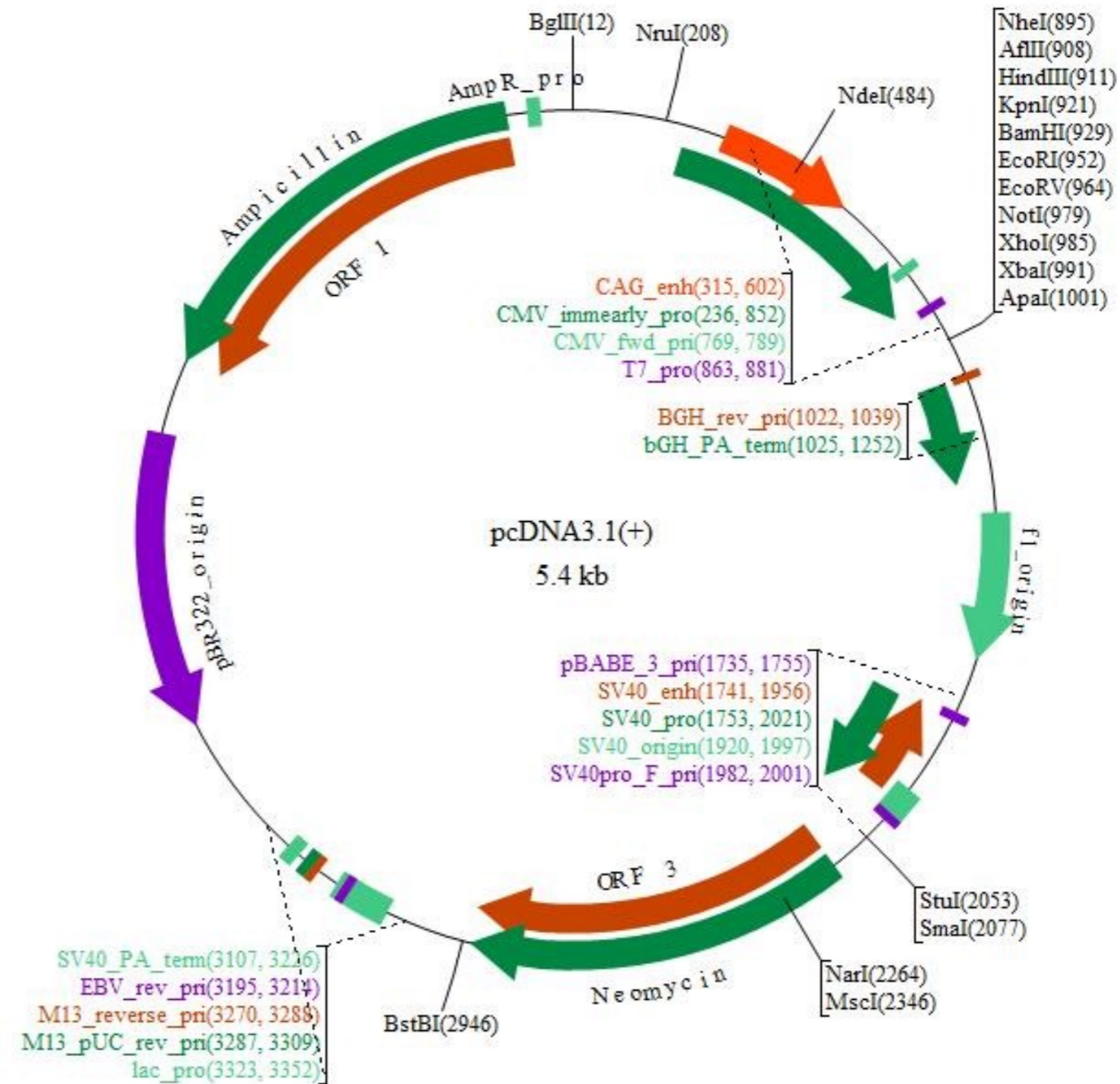
Inserts Murine Vps18 ORF was amplified between amino acids 1 to 690 and 780 to 852 to delete a potent RING domain between 690 and 780 and the RING domain between 852 and 947. Bam HI restriction site was used to bridge together the two fragments in the middle (bridge 690 with 780). This cDNA was flanked by KpnI and NotI and was inserted into pcDNA3.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.17

Constructed by Gregory Segala

Date constructed 30.01.17

PLASMID NAME

mVps18DeltaCt

alternative name

<u>bacterial marker</u> Amp	<u>parent vector</u>
	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>
<u>eucaryotic replicon</u> SV40 ori	

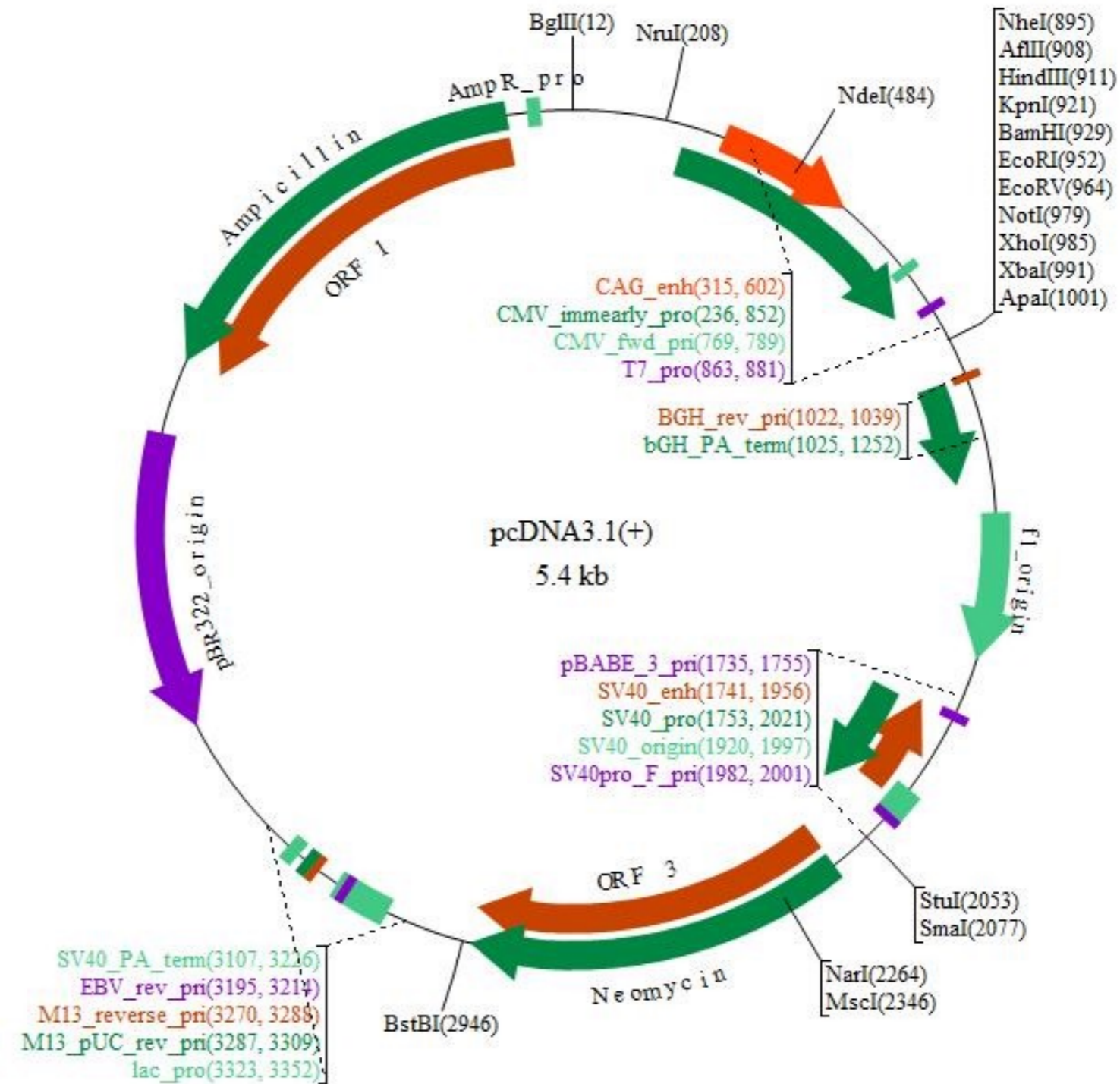
Inserts Murine Vps18 ORF was amplified between amino acids 1 to 690 to delete the whole C-terminal half of Vps18 containing two potents RING domains. This cDNA was flanked by KpnI and NotI and was inserted into pcDNA3.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

2772

Date entered

4.8.17

Constructed by

Irene Zohn's lab

Date constructed

2012

PLASMID NAME

HA-HECTD1

alternative name

bacterial marker Amp

parent vector

pCMV-HA

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts

Plasmid to overexpress HA-tagged human HECTD1. Full cDNA cloned between Sall and NotI.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference <https://www.ncbi.nlm.nih.gov/pubmed/22431752>

Sarkar et al., J Cell Biol 2012

DIDIER PICARD LAB, University of Geneva

Construct number

2773

Date entered

4.8.17

Constructed by

Irene Zohn's lab

Date constructed

2012

PLASMID NAME

HA-HECTD1 C2579G

alternative name

bacterial marker Amp

parent vector

pCMV-HA

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts

Plasmid to overexpress HA-tagged human HECTD1 mutated on C2579G. Mutation introduces a AgeI restriction site. Full cDNA cloned between Sall and NotI.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference <https://www.ncbi.nlm.nih.gov/pubmed/22431752>

Sarkar et al., J Cell Biol 2012

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.17

Constructed by Bert Vogelstein's lab

Date constructed 1998

PLASMID NAME

SBE-Luc

alternative name

bacterial marker Amp	parent vector
eucaryotic replicon SV40 ori	bacterial plasmid
	other relevant source constructs

Inserts Luciferase reporter plasmid to measure the activity of SMAD transcription factor, downstream of TGFb pathway.

Reporter gene

Promoter, splice, PolyA

Comments

Reference <https://www.addgene.org/16527>

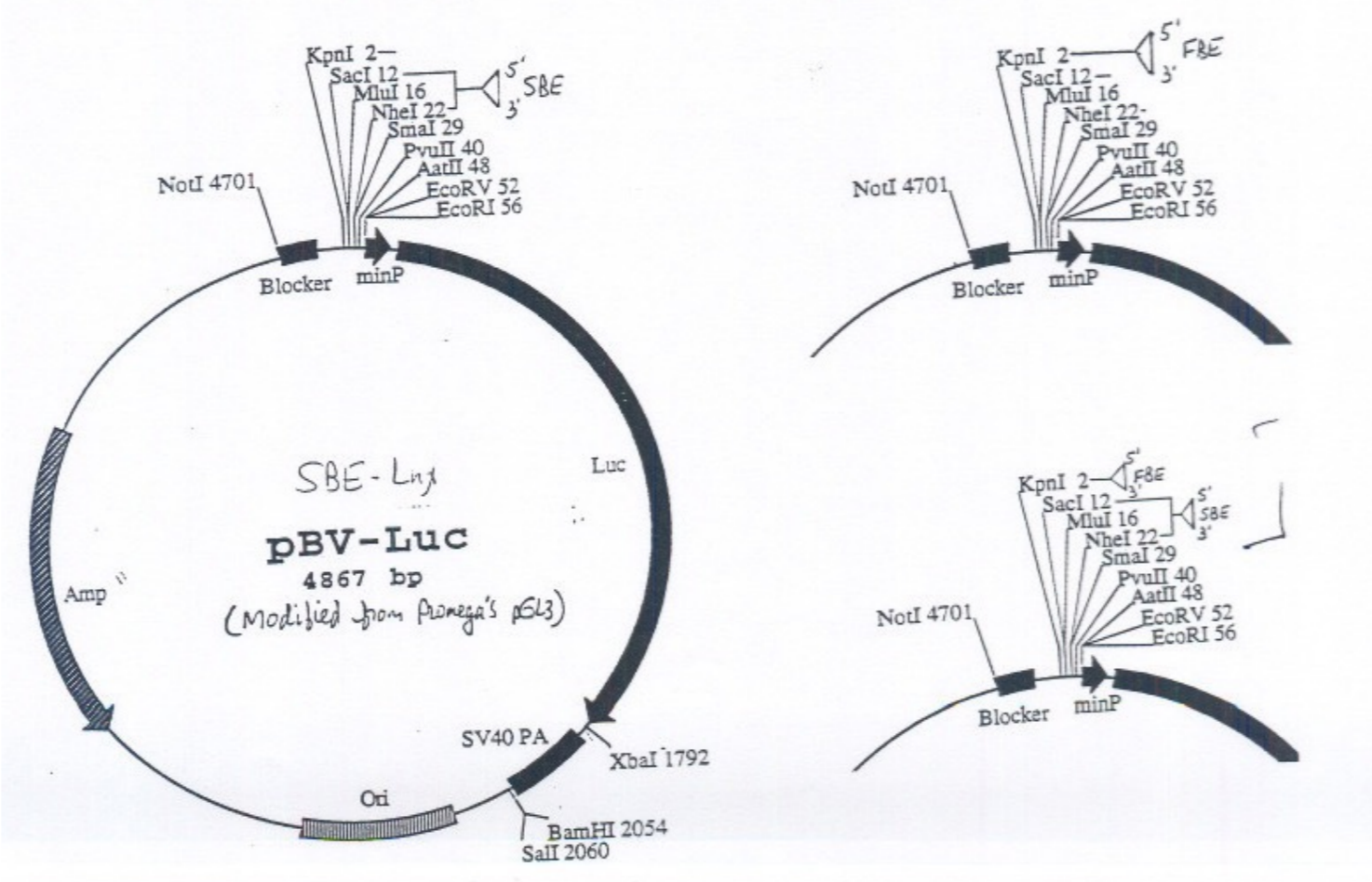
Characterization of human FAST-1, a TGF beta and activin signal transducer. Zhou S, Zawel L, Lengauer C, Kinzler KW, Vogelstein B. Mol Cell. 1998 Jul . 2(1):121-7. 10.1016/S1097-2765(00)80120-3

Information Sheet # FAST-REP-1

<u>Plasmid</u>	<u>Tube color</u>
FBE/SBE-Luc	blue
FBE-Luc	pink
SBE-Luc	green

Reference: Zhou, S., Zawel, L., Lengauer, C., Kinzler, K.W., and Vogelstein, B. Characterization of human FAST-1, a TGFβ and activin signal transducer. *Molecular Cell* 2: 121-127, 1998.

The sequence of pBV-Luc, a vector with very low basal expression activity, is available at www.coloncancer.org.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.17

Constructed by Albert La Spada's lab

Date constructed 2014

PLASMID NAME

4XCLEAR-Luc

alternative name

bacterial marker Amp

parent vector

pGL3

bacterial plasmid

eucaryotic replicon SV40 ori

other relevant source constructs

Inserts Luciferase reporter plasmid to measure the activity of TFEB/TFE3 transcription factors that belong to the CLEAR network controlling lysosome biogenesis and autophagy.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference <https://www.addgene.org/66800>

Polyglutamine-expanded androgen receptor interferes with TFEB to elicit autophagy defects in SBMA. Cortes CJ, Miranda HC, Frankowski H, Batlevi Y, Young JE, Le A, Ivanov N, Sopher BL, Carromeu C, Muotri AR, Garden

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.17

Constructed by Randall Moon's lab

Date constructed 2003

PLASMID NAME

M50 Super 8x TOPFlash

alternative name

<u>bacterial marker</u> Amp	<u>parent vector</u> pTA-Luc
<u>eucaryotic replicon</u> SV40 ori	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>

Inserts Luciferase reporter plasmid to measure the activity of TCF-LEF transcription factor, downstream of the Wnt-bCatenin pathway.

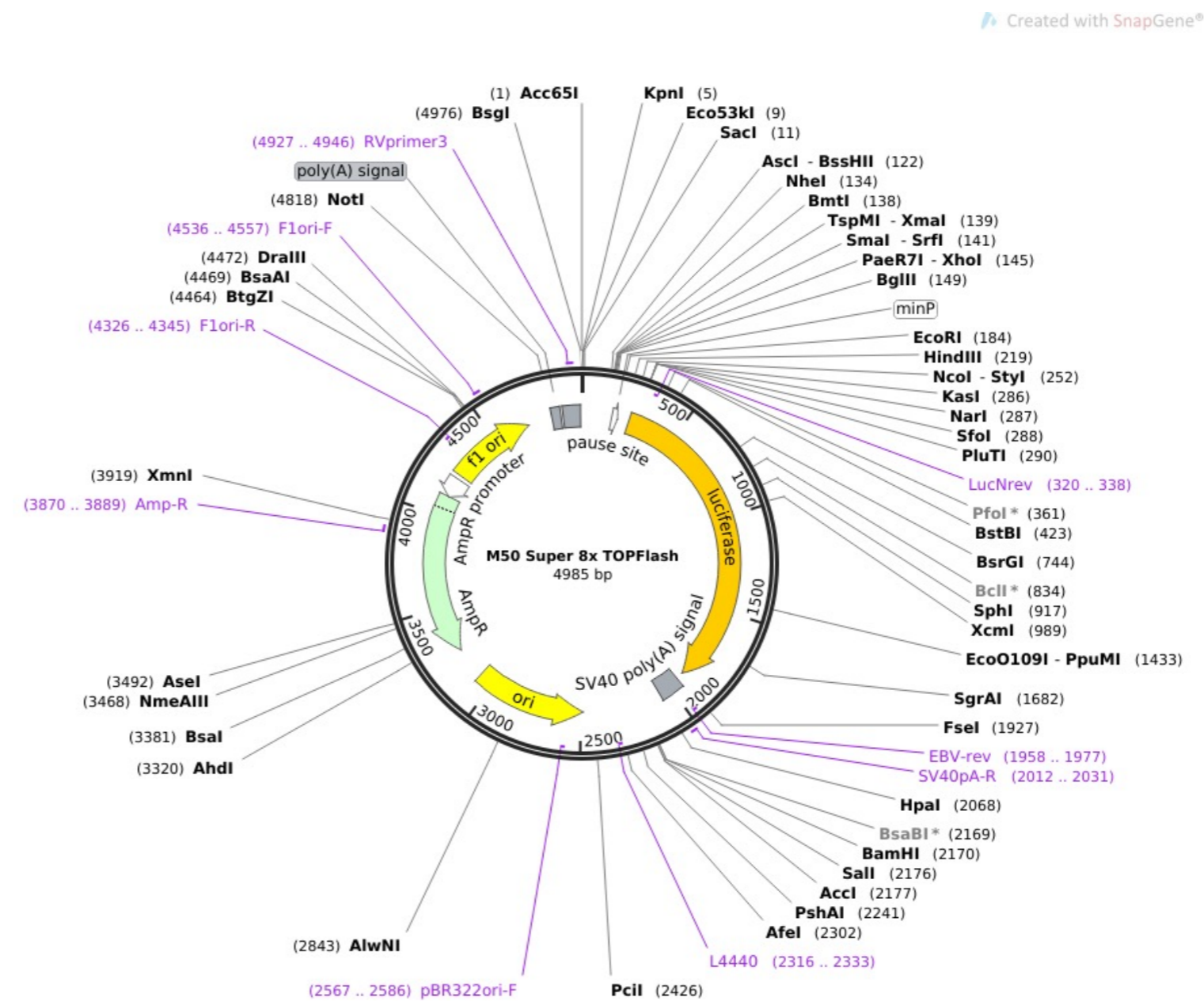
Reporter gene

Promoter,
splice,
PolyA

Comments Sequence here is probably incorrect. Check sequence from the addgene link provided in reference
Zsofia

Reference <https://www.addgene.org/12456/>

Zebrafish prickle, a modulator of noncanonical Wnt/Fz signaling, regulates gastrulation movements. Veeman MT, Slusarski DC, Kaykas A, Louie SH, Moon RT. Curr Biol. 2003 Apr 15. 13(8):680-5. 10.1016/S0960-9822(03)00212-2



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.17

Constructed by Bert Vogelstein's lab

Date constructed 1993

PLASMID NAME

PG13-luc (p53 binding sites)

alternative name

bacterial marker Amp	parent vector
	bacterial plasmid
	other relevant source constructs
eucaryotic replicon SV40 ori	

Inserts Luciferase reporter plasmid to measure the activity of p53.

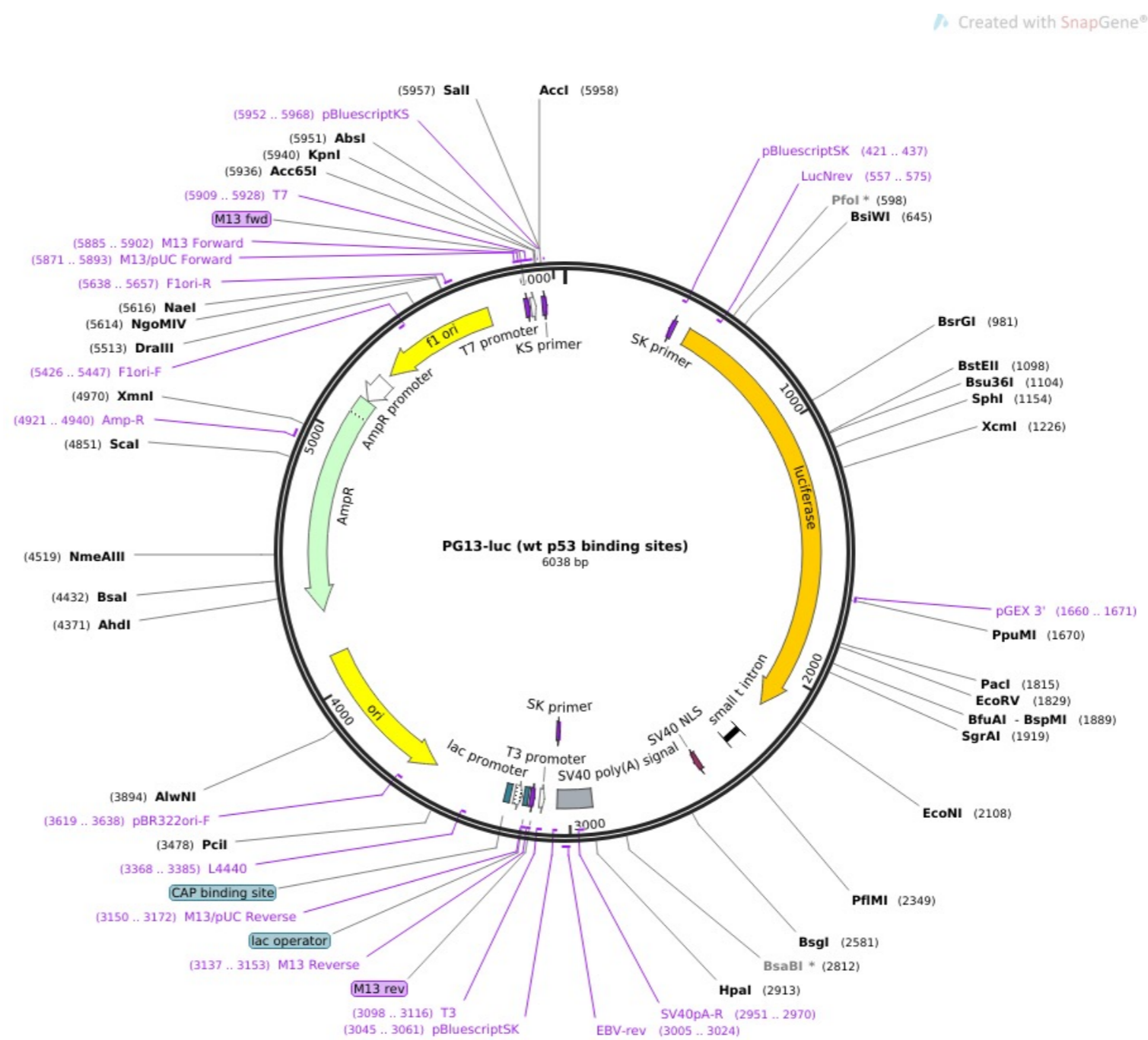
Reporter gene

Promoter, splice, PolyA

Comments

Reference <https://www.addgene.org/16442/>

WAF1, a potential mediator of p53 tumor suppression. el-Deiry WS, Tokino T, Velculescu VE, Levy DB, Parsons R, Trent JM, Lin D, Mercer WE, Kinzler KW, Vogelstein B. Cell. 1993 Nov 19. 75(4):817-25. 10.1016/0092-0275(93)90533-D



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.17

Constructed by Michael Greenberg's lab

Date constructed 1999

PLASMID NAME

FHRE-Luc

alternative name

<u>bacterial marker</u> Amp	<u>parent vector</u>
<u>eucaryotic replicon</u> SV40 ori	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>

Inserts Luciferase reporter plasmid to measure the activity of FOXO3a.

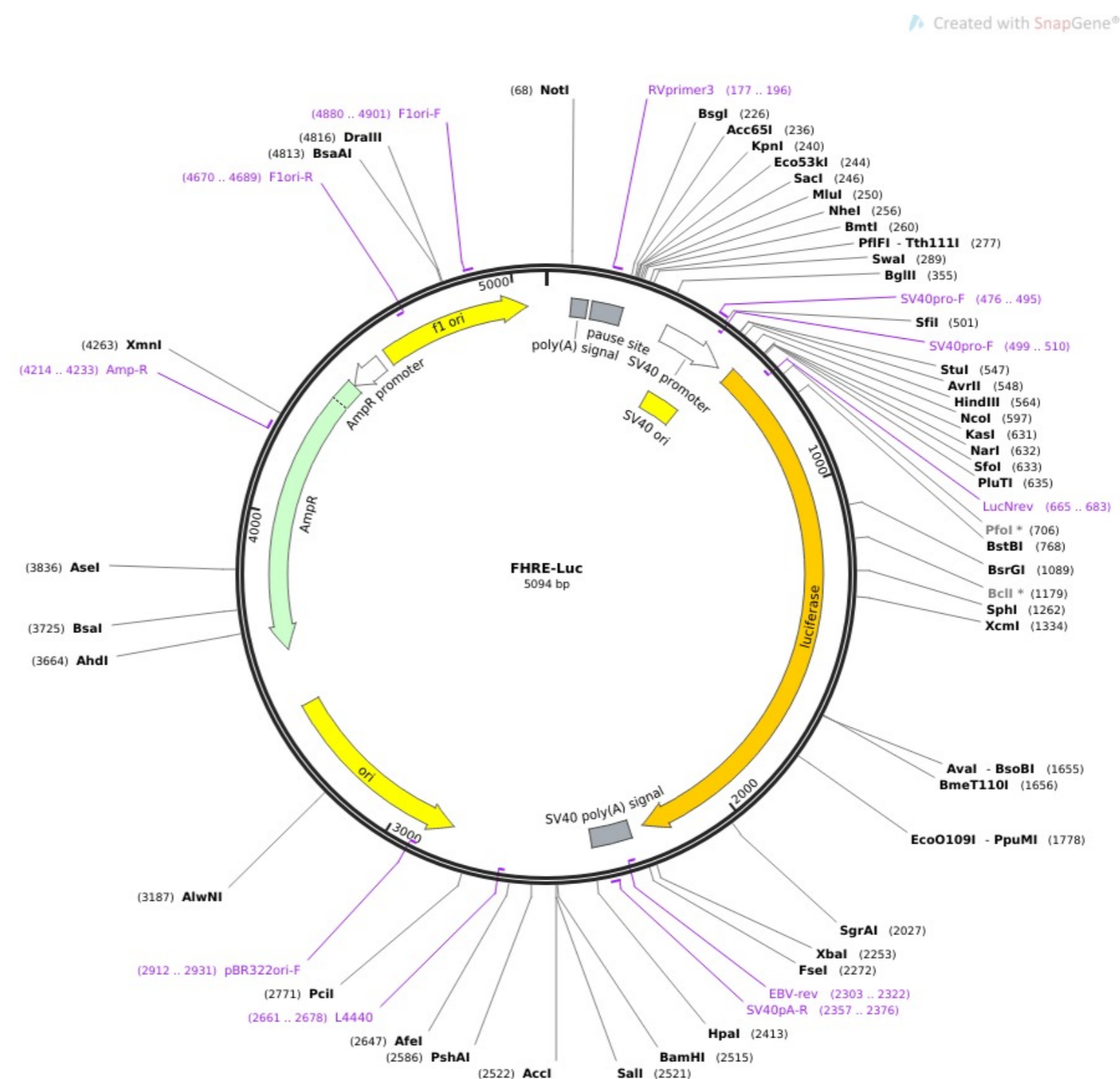
Reporter gene

Promoter,
splice,
PolyA

Comments

Reference <https://www.addgene.org/1789/>

Akt promotes cell survival by phosphorylating and inhibiting a Forkhead transcription factor. Brunet A, Bonni A, Zigmond MJ, Lin MZ, Juo P, Hu LS, Anderson MJ, Arden KC, Blenis J, Greenberg ME. Cell 1999 Mar 19;96



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.8.17

Constructed by Navdeep Chandel's lab

Date constructed 2008

PLASMID NAME

HRE-Luc

alternative name

bacterial marker Amp	parent vector
eucaryotic replicon SV40 ori	bacterial plasmid
	other relevant source constructs

Inserts Luciferase reporter plasmid to measure the activity of HIF-1a (Hypoxia Inducible Factor).

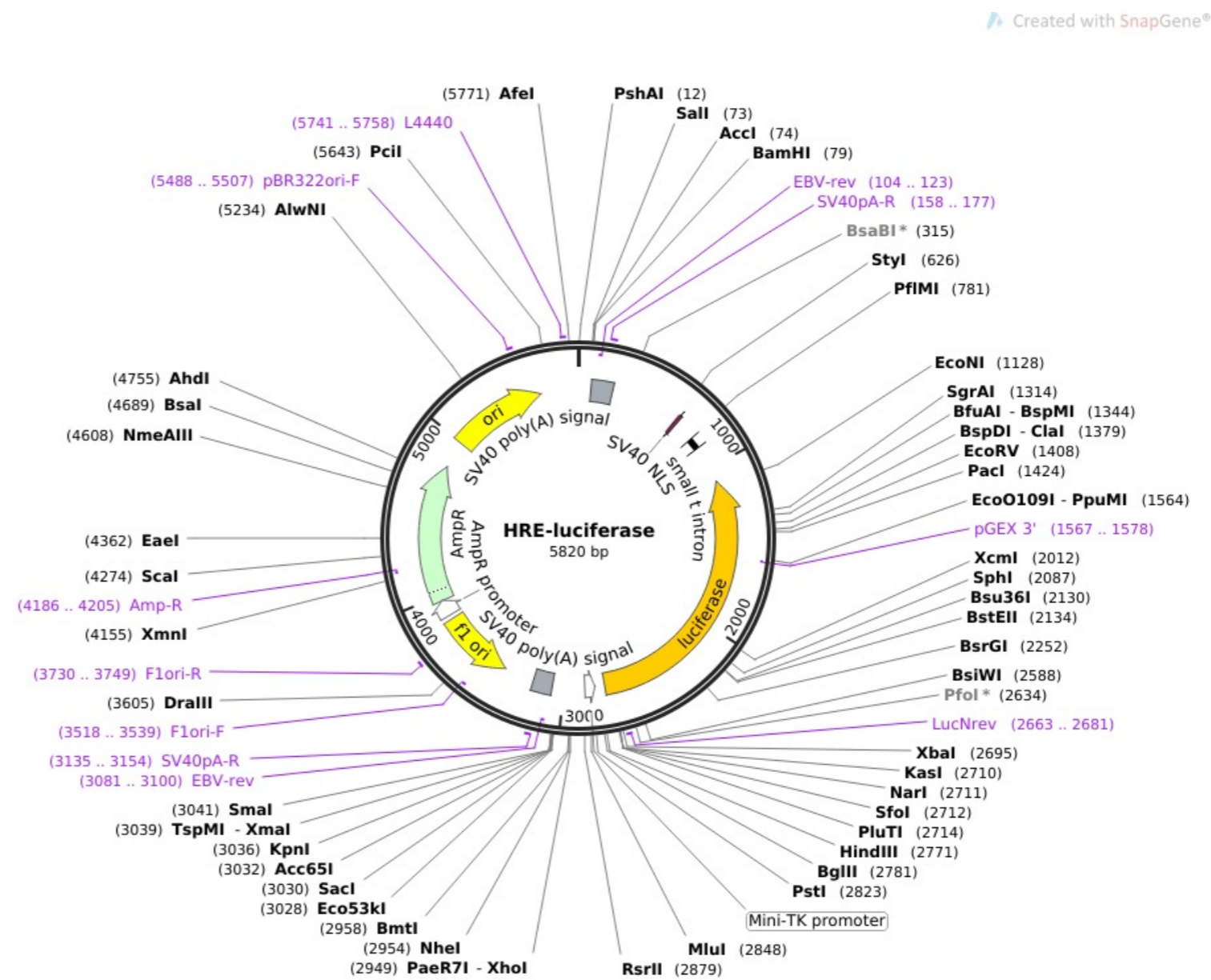
Reporter gene

Promoter, splice, PolyA

Comments

Reference <https://www.addgene.org/26731/>

PTEN regulates p300-dependent hypoxia-inducible factor 1 transcriptional activity through Forkhead transcription factor 3a (FOXO3a). Emerling BM, Weinberg F, Liu JL, Mak TW, Chandel NS. Proc Natl Acad Sci U S A. 2008



Construct number 2780

Date entered 7.8.17

Constructed by David Rubinsztein (Addgene)

Date constructed

PLASMID NAME

pEGFP-Q23

Created with SnapGene®

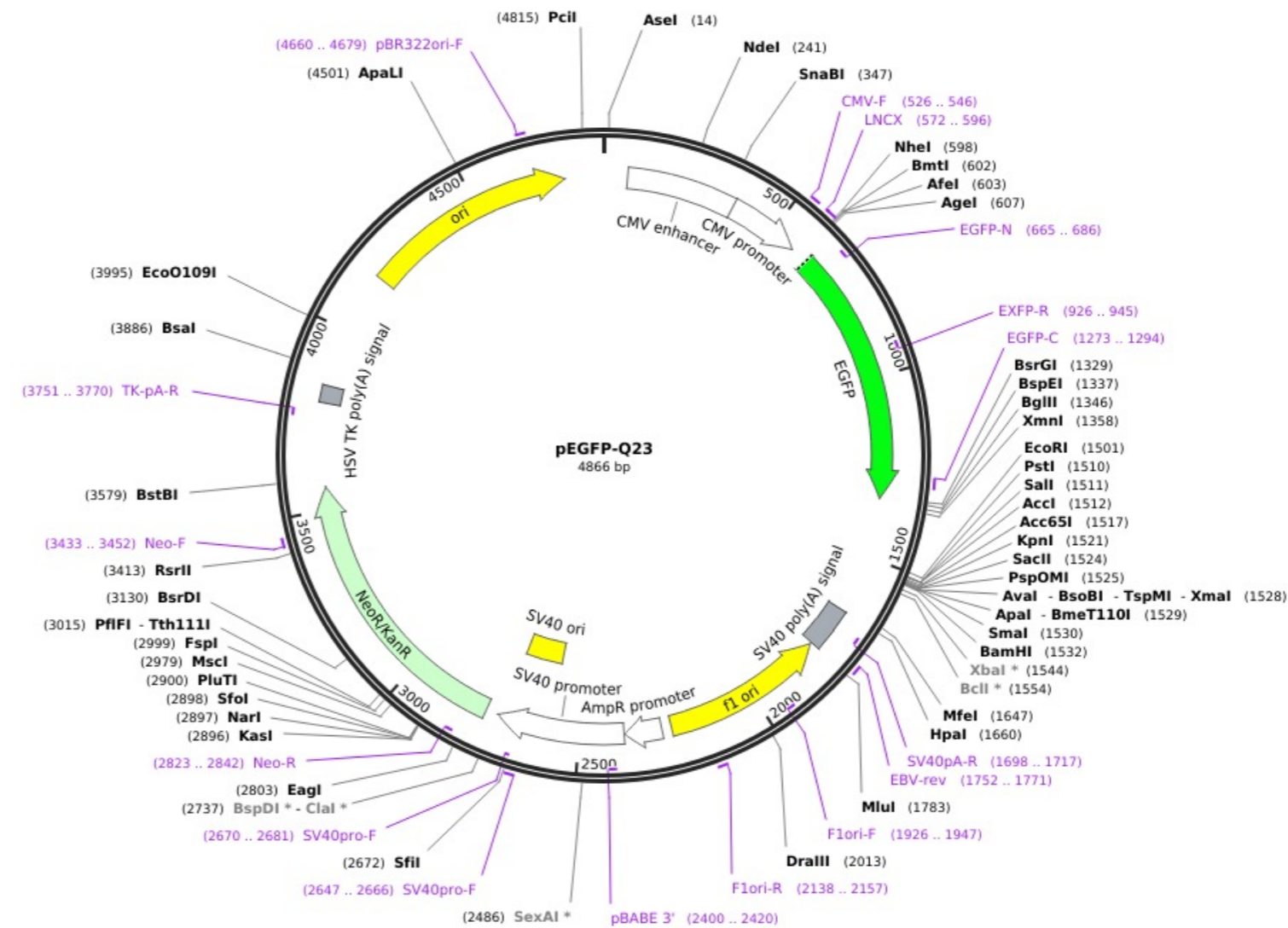
bacterial marker Kan	parent vector pEGFP-C1
vertebrate marker Neo (G418)	bacterial plasmid
other relevant source constructs	

Inserts	Full length EGFP tagged with Q23.
Reporter gene	GFP
Promoter, splice, PolyA	CMV promoter SV40 polyA

Comments Non aggregating form of EGFP

Reference A molecular investigation of true dominance in Huntington's disease. Narain Y, Wyttenbach A, Rankin J, Furlong RA, Rubinsztein DC. J Med Genet. 1999 Oct;36(10):739-46. 10.1136/jmg.36.10.739 PubMed 10528852

Sequence acquired from Addgene



Construct number 2781

Date entered 7.8.17

Constructed by David Rubinsztein (from Addgene)

Date constructed

PLASMID NAME

pEGFP-Q74

Created with SnapGene®

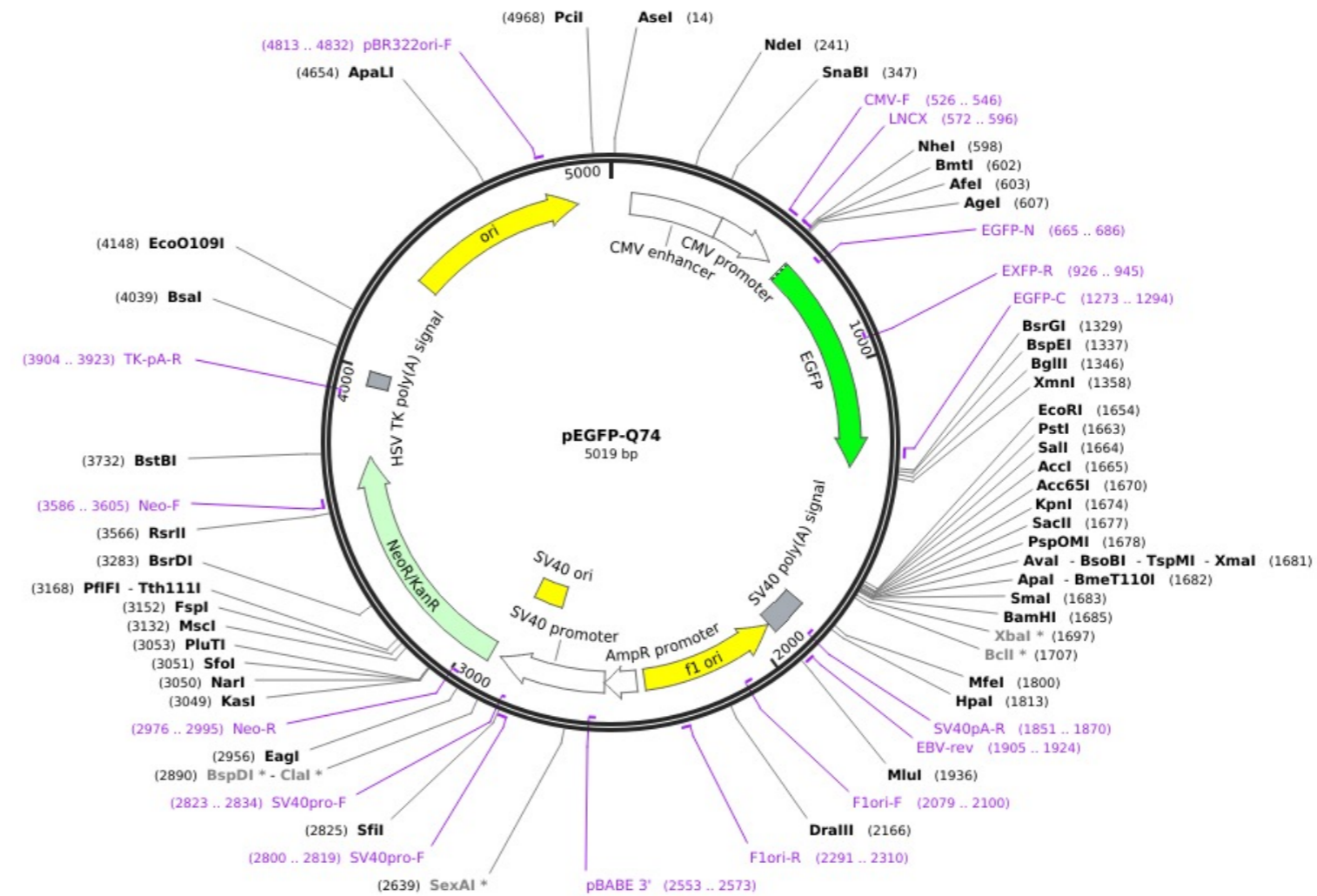
<u>bacterial marker</u> Kan	<u>parent vector</u> pEGFP-C1
<u>vertebrate marker</u> Neo (G418)	<u>bacterial plasmid</u>
<u>other relevant source constructs</u>	

<u>Inserts</u>	Full length EGFP tagged with Q74.
<u>Reporter gene</u>	GFP
<u>Promoter, splice, PolyA</u>	CMV promoter SV40 polyA

Comments Aggregation prone form of EGFP.

Reference A molecular investigation of true dominance in Huntington's disease. Narain Y, Wyttenbach A, Rankin J, Furlong RA, Rubinsztein DC. J Med Genet. 1999 Oct;36(10):739-46. 10.1136/jmg.36.10.739 PubMed 10528852

Sequence acquired from Addgene



Construct number 2782

Date entered 7.8.17

Constructed by Nico Dantuma (from Addgene)

Date constructed

PLASMID NAME

Ub-M-GFP

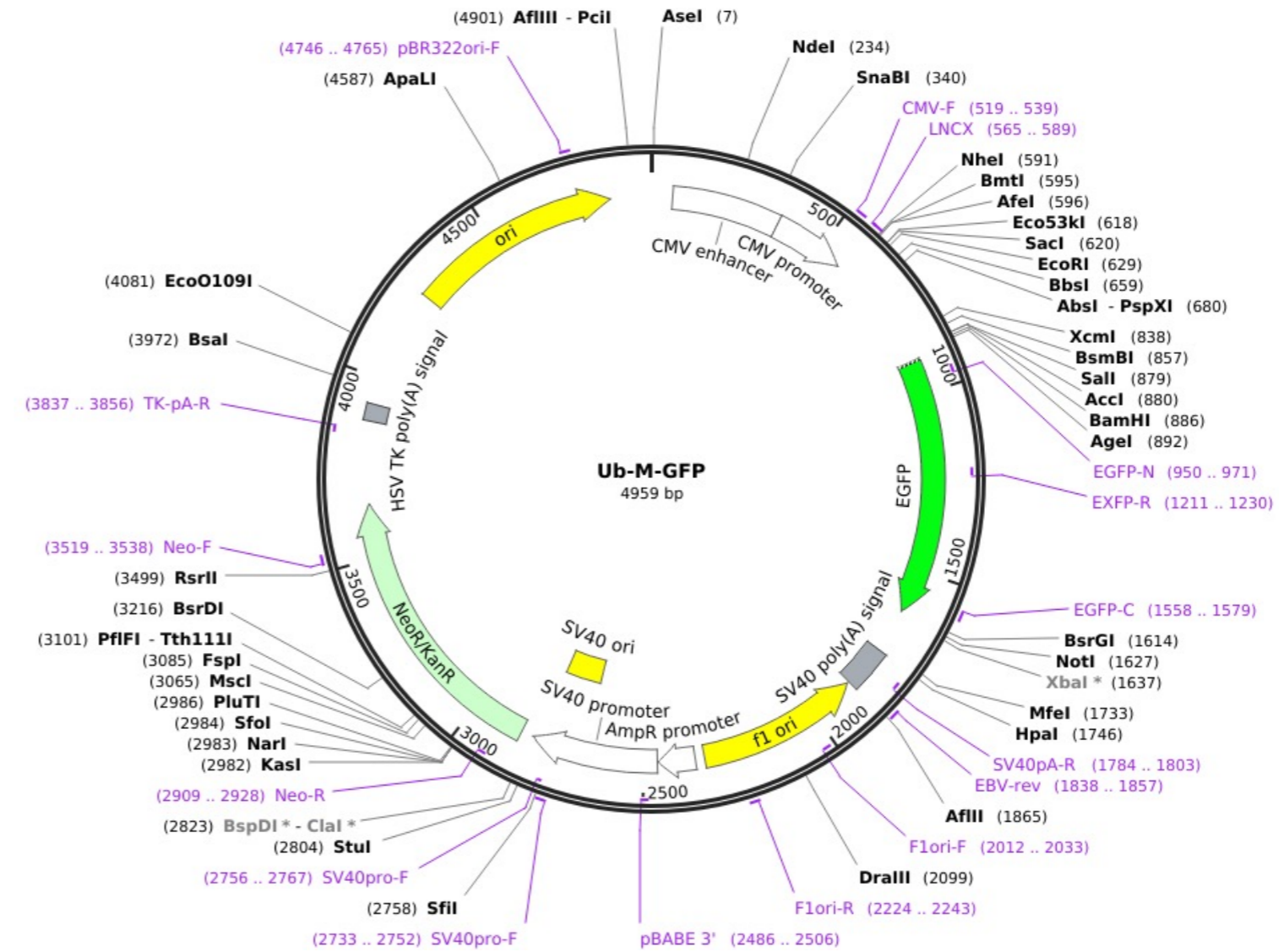
Created with SnapGene®

bacterial marker Kan	parent vector EGFP-N1
vertebrate marker Neo (G418)	bacterial plasmid
other relevant source constructs	

Inserts	Ubiquitin fused to N-terminus of GFP. Methionine at position 1 between Ub and GFP. Stable version
Reporter gene	GFP
Promoter, splice, PolyA	CMV promoter SV40 polyA

Comments Non degradable form of EGFP. Negative control for in vivo proteasomal activity assay.

Reference Short-lived green fluorescent proteins for quantifying ubiquitin/proteasome-dependent proteolysis in living cells. Dantuma NP, Lindsten K, Glas R, Jellne M, Masucci MG. Nat Biotechnol. 2000 May . 18(5):538-43. 10.1038/75406 PubMed 10802622



Construct number 2783

Date entered 7.8.17

Constructed by Nico Dantuma (From Addgene)

Date constructed

PLASMID NAME

Ub-R-GFP

Created with SnapGene®

bacterial marker Kan	parent vector pEGFP-N1
vertebrate marker Neo (G418)	bacterial plasmid
other relevant source constructs	

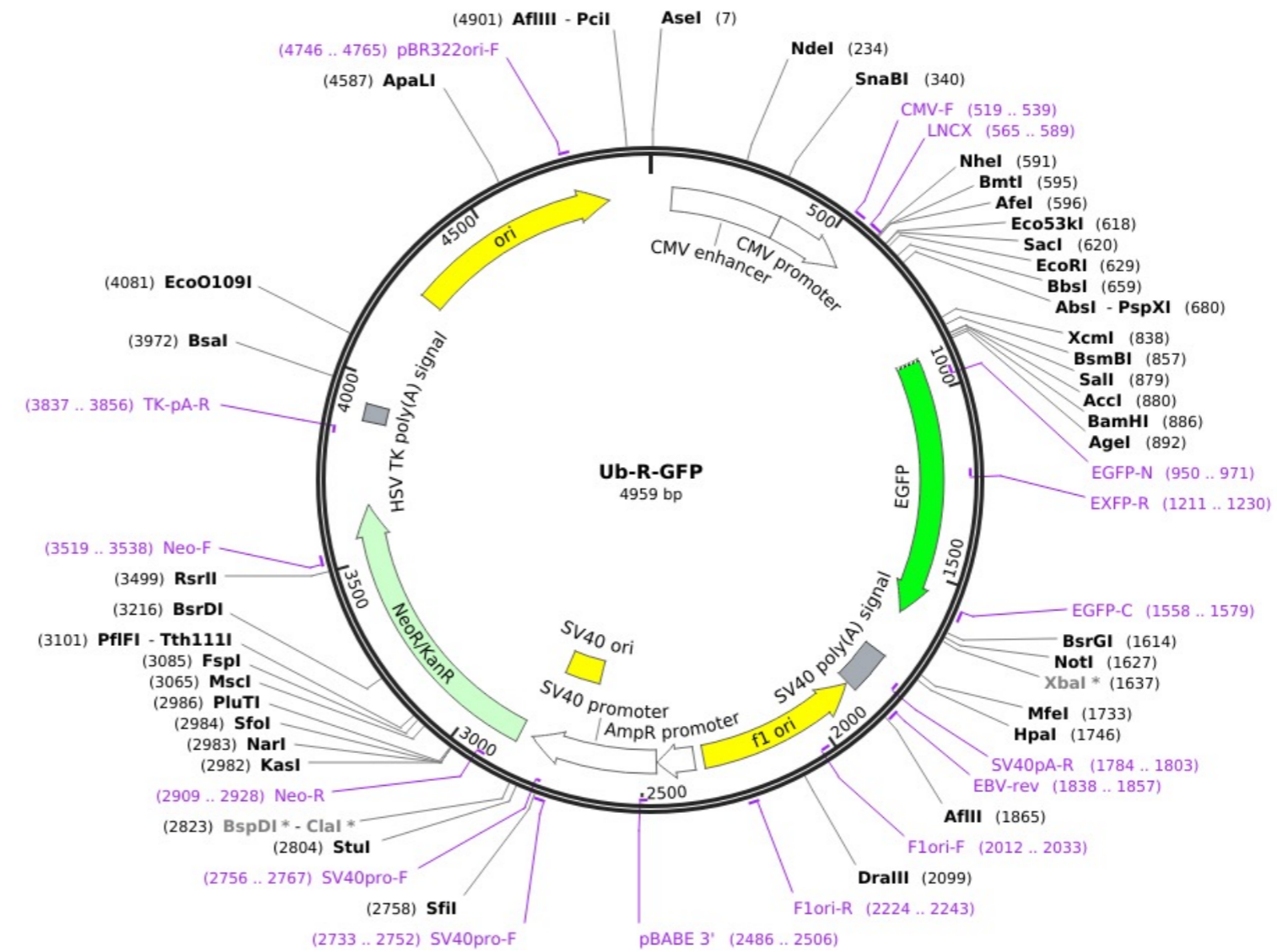
Inserts Ubiquitin fused to N-terminus of GFP. Arginine at position 1 between Ub and GFP. N-end rule degradation signal.

Reporter gene GFP

Promoter, splice, PolyA CMV promoter
SV40 polyA

Comments In vivo proteasomal activity assay reporter plasmid. Degradation prone EGFP.

Reference Short-lived green fluorescent proteins for quantifying ubiquitin/proteasome-dependent proteolysis in living cells. Dantuma NP, Lindsten K, Glas R, Jellne M, Masucci MG. Nat Biotechnol. 2000 May . 18(5):538-43. 10.1038/75406 PubMed 10802622



Construct number 2784

Date entered 7.8.17

Constructed by Nico Dantuma (from Addgene)

Date constructed

PLASMID NAME

pYES2-Ub-M-GFP

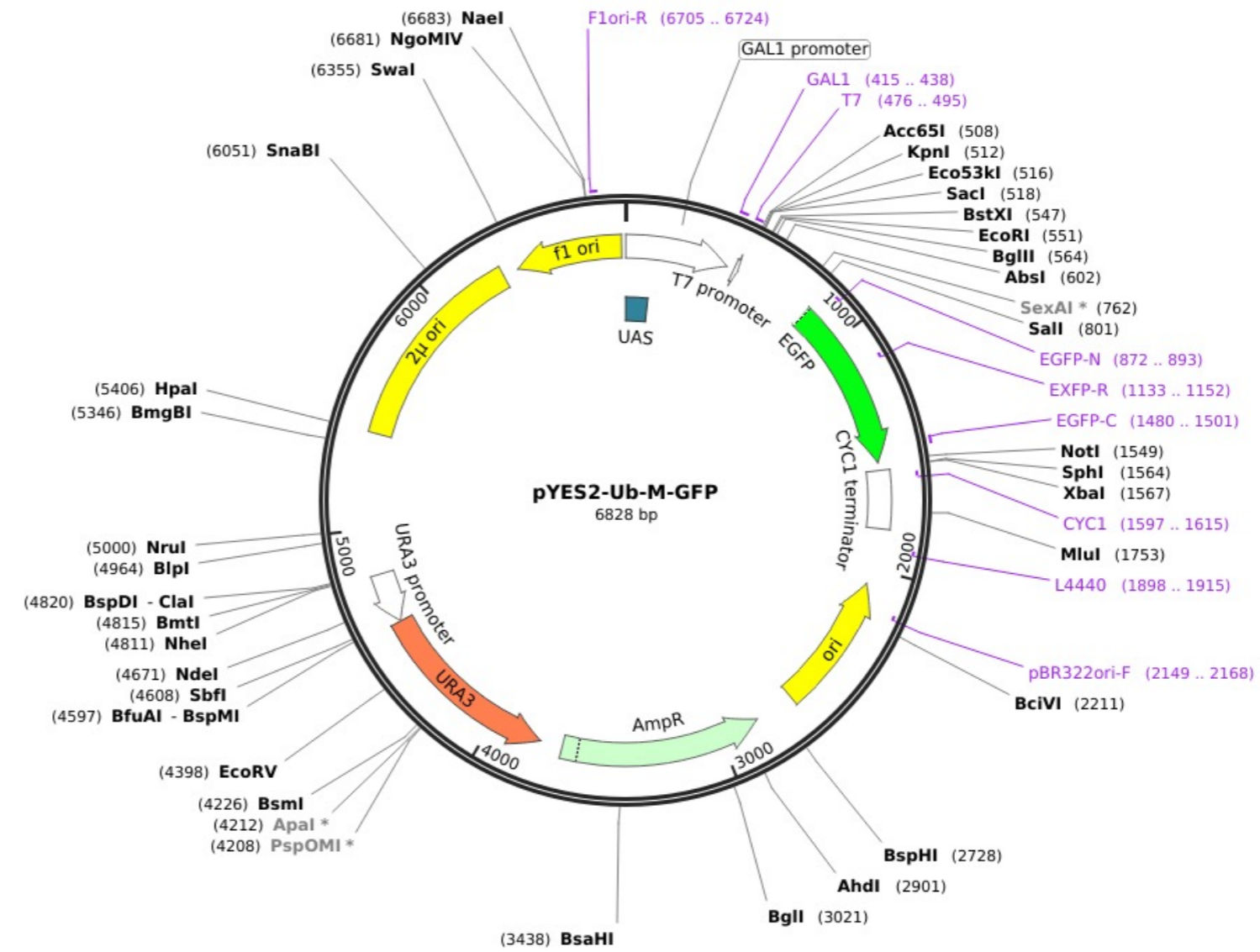
Created with SnapGene®

bacterial marker Amp	parent vector pYES2
yeast marker URA3	bacterial plasmid
eukaryotic replicon 2μ circle	other relevant source constructs

Inserts	Ubiquitin fused to N-terminus of GFP. Methionine at position 1 between Ub and GFP. Stable version.
Reporter gene	GFP
Promoter, splice, PolyA	T7 promoter

Comments Negative control for in vivo proteasome activity assay

Reference Inhibition of ubiquitin/proteasome-dependent proteolysis in Saccharomyces cerevisiae by a Gly-Ala repeat. Heessen S, Dantuma NP, Tessarz P, Jellne M, Masucci MG. FEBS Lett. 2003 Dec 4. 555(2):397-404. 10.1016/S0014-5793(03)01296-1 PubMed 14644450



Construct number 2785

Date entered 7.8.17

Constructed by Nico Dantuma (from Addgene)

Date constructed

PLASMID NAME

pYES2-Ub-R-GFP

Created with SnapGene®

bacterial marker Amp	parent vector pYES2
yeast marker URA3	bacterial plasmid
eukaryotic replicon 2μ circle	other relevant source constructs

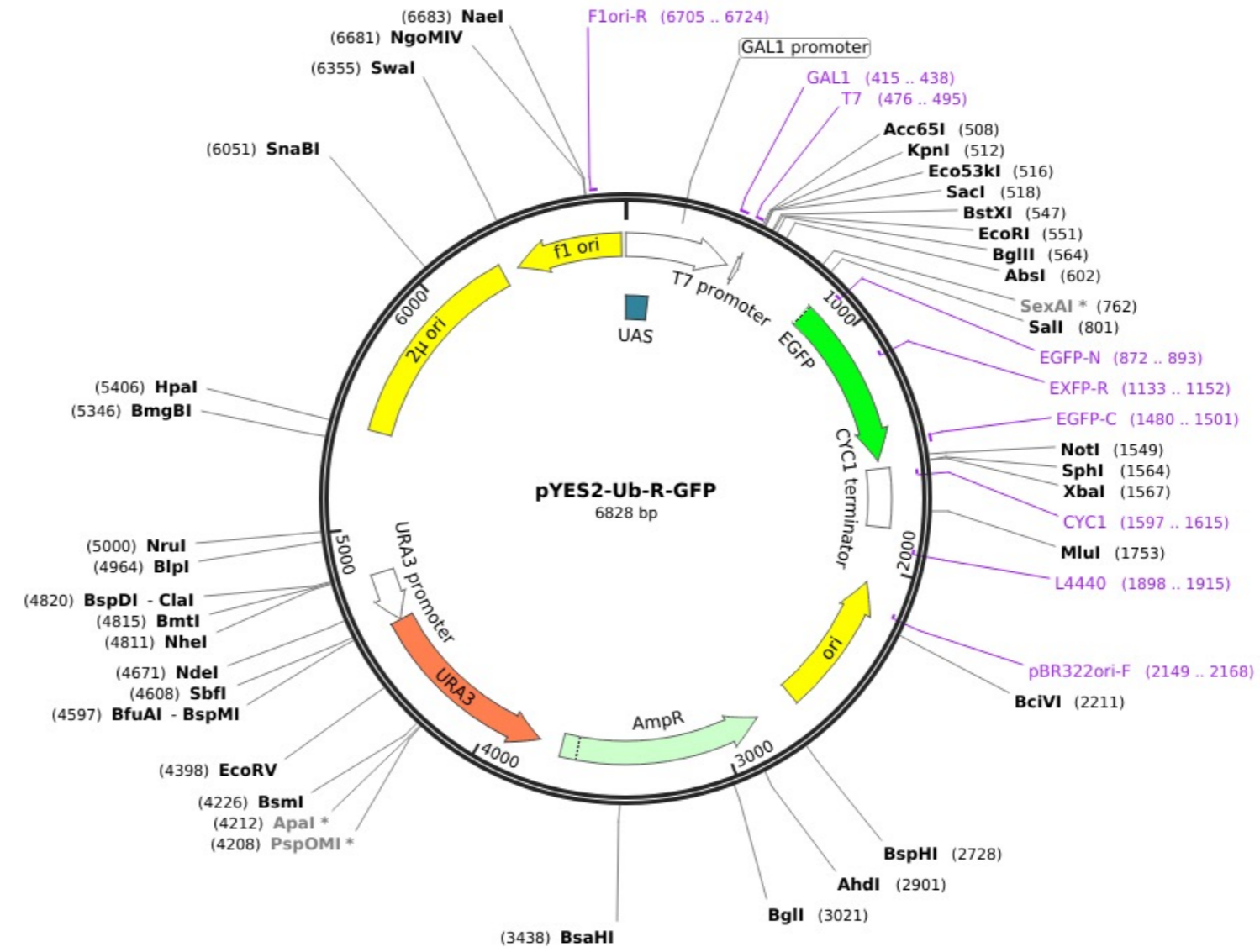
Inserts Ubiquitin fused to N-terminus of GFP. Arginine at position 1 between Ub and GFP. N-end rule degradation signal.

Reporter gene GFP

Promoter, splice, PolyA T7 promoter

Comments Degradation prone EGFP for in vivo proteasome activity assay.

Reference Inhibition of ubiquitin/proteasome-dependent proteolysis in Saccharomyces cerevisiae by a Gly-Ala repeat. Heessen S, Dantuma NP, Tessarz P, Jellne M, Masucci MG. FEBS Lett. 2003 Dec 4. 555(2):397-404. 10.1016/S0014-5793(03)01296-1 PubMed 14644450



Construct number 2786

Date entered 7.8.17

Constructed by Joan Brugge (from Addgene)

Date constructed

PLASMID NAME

pLNCX chick v-src

bacterial marker Amp

parent vector pLNCX

vertebrate marker Neo (G418)

bacterial plasmid

other relevant source constructs

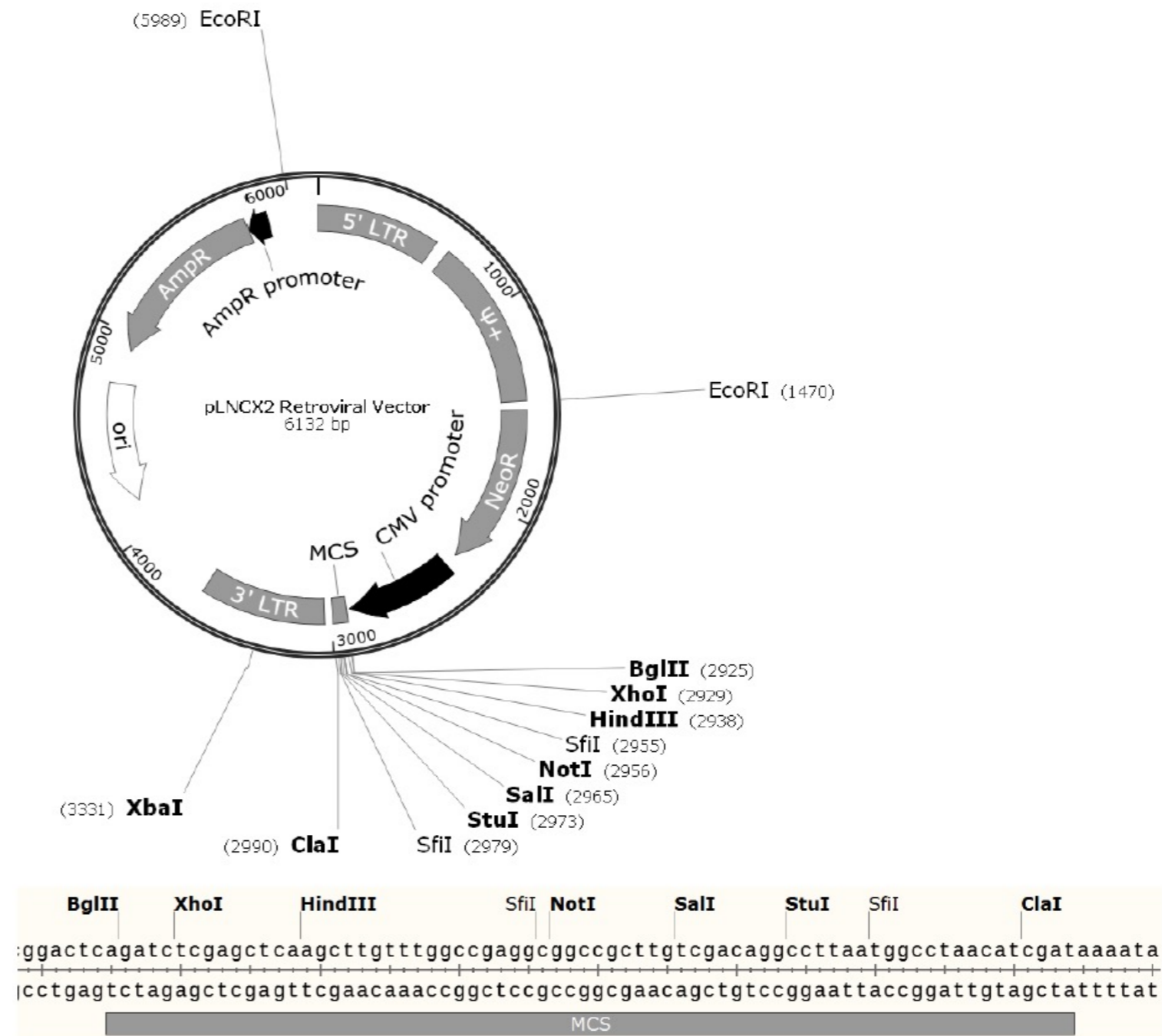
Inserts Full length v-SRC from G. gallus (chicken). v-SRC is inserted in ClaI site.

Reporter gene

Promoter, splice, PolyA

Comments For Mammalian Expression, Retroviral infection

Reference



Construct number

2787

Date entered

7.8.17

Constructed by

Andrea Doseff (from Addgene)

Date constructed

PLASMID NAME

pEGFP-hsp27 wt

bacterial marker

Kan

parent vector

pEGFP-C2

vertebrate marker

Neo (G418)

bacterial plasmid

other relevant source constructs

Inserts

Full length WT HSP27 is inserted between EcoRI and Sall.

Reporter gene

GFP

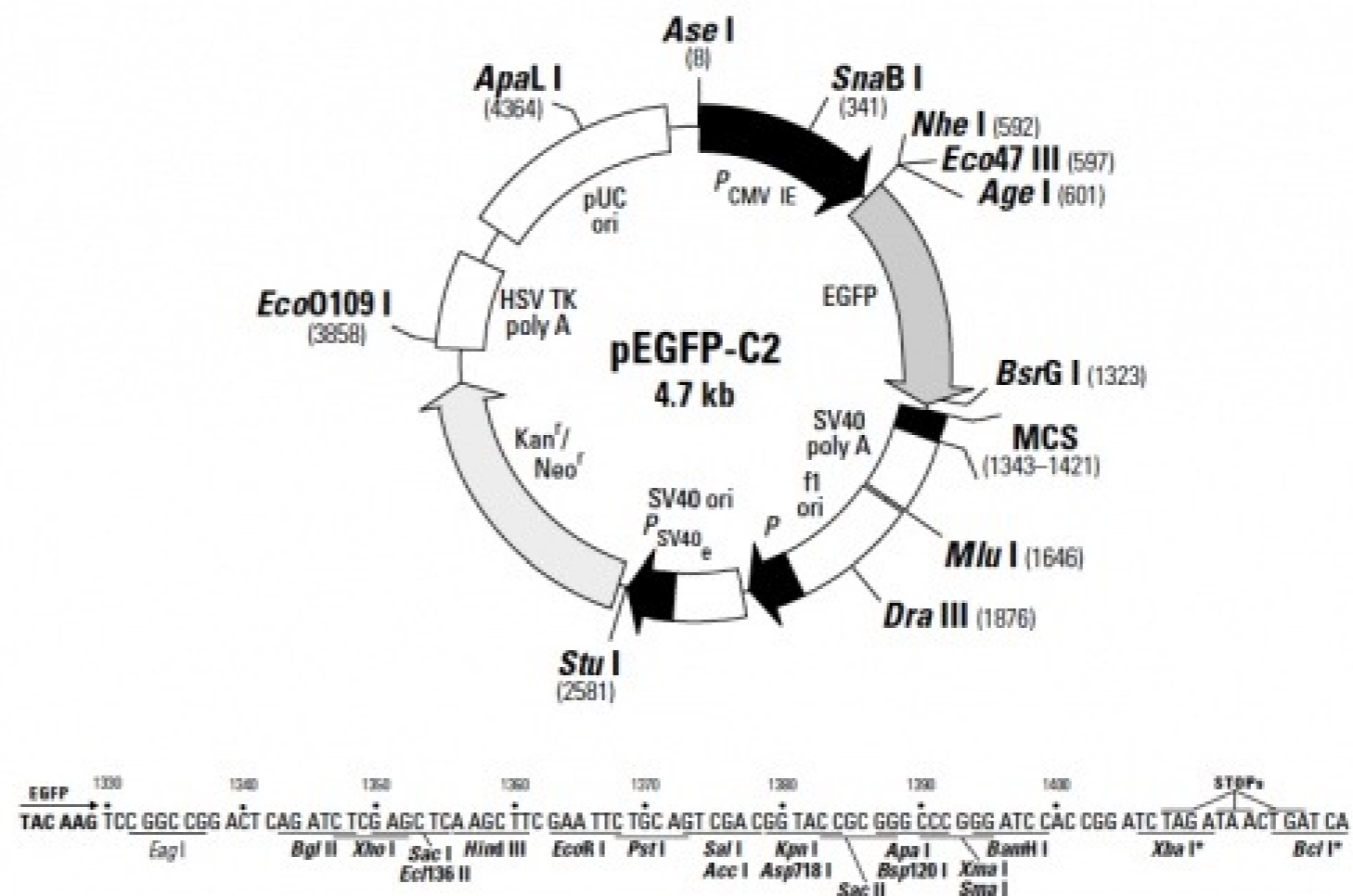
Promoter,
splice,
PolyA

CMV promoter
SV40 polyA

Comments

Reference

Binding of caspase-3 prodomain to heat shock protein 27 regulates monocyte apoptosis by inhibiting caspase-3 proteolytic activation. Voss OH, Batra S, Kolattukudy SJ, Gonzalez-Mejia ME, Smith JB, Doseff AI. J Biol Chem. 2007 Aug 24. 282(34):25088-99. 10.1074/jbc.M701740200 PubMed 17597071



Construct number 2788

Date entered 7.8.17

Constructed by William Kaelin (from Addgene)

Date constructed

PLASMID NAME

HA-HIF1alpha-pcDNA3

bacterial marker Amp

parent vector pcDNA3

vertebrate marker Neo (G418)

bacterial plasmid

other relevant source constructs

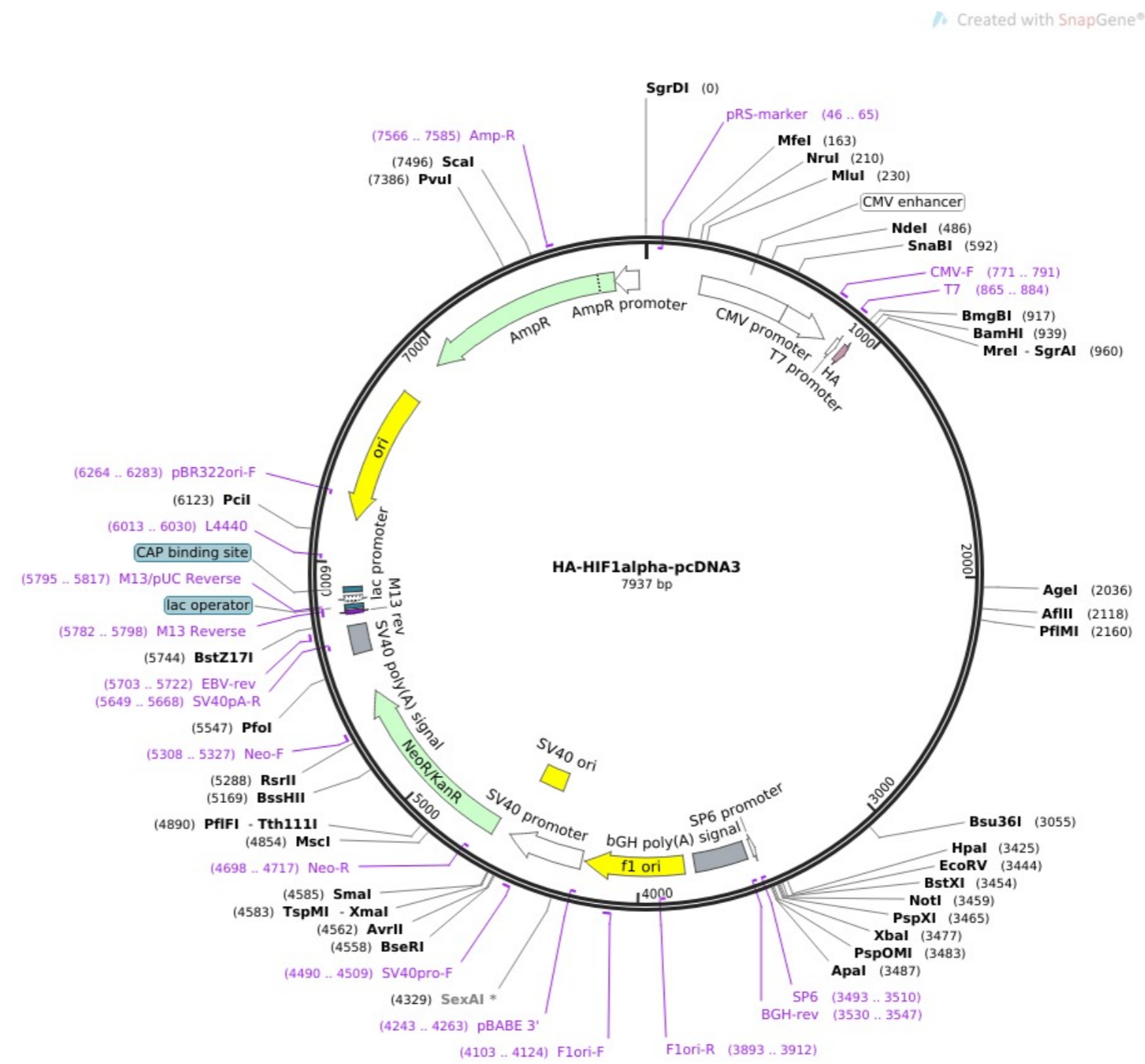
Inserts Full length HIF1a with N-terminal HA tag. 5' cloning site BamH I (not destroyed) 3' cloning site EcoR I (destroyed during cloning)

Reporter gene

Promoter, splice, PolyA CMV promoter bGH polyA

Comments

Reference Inhibition of HIF is necessary for tumor suppression by the von Hippel-Lindau protein. Kondo K, Kico J, Nakamura E, Lechpammer M, Kaelin WG. Cancer Cell. 2002 Apr . 1(3):237-46. 10.1016/S1535-6108(02)00043-0 PubMed 12086860



Construct number 2789

Date entered 7.8.17

Constructed by William Kaelin (From Addgene)

Date constructed

PLASMID NAME

HA-HIF2alpha-pcDNA3

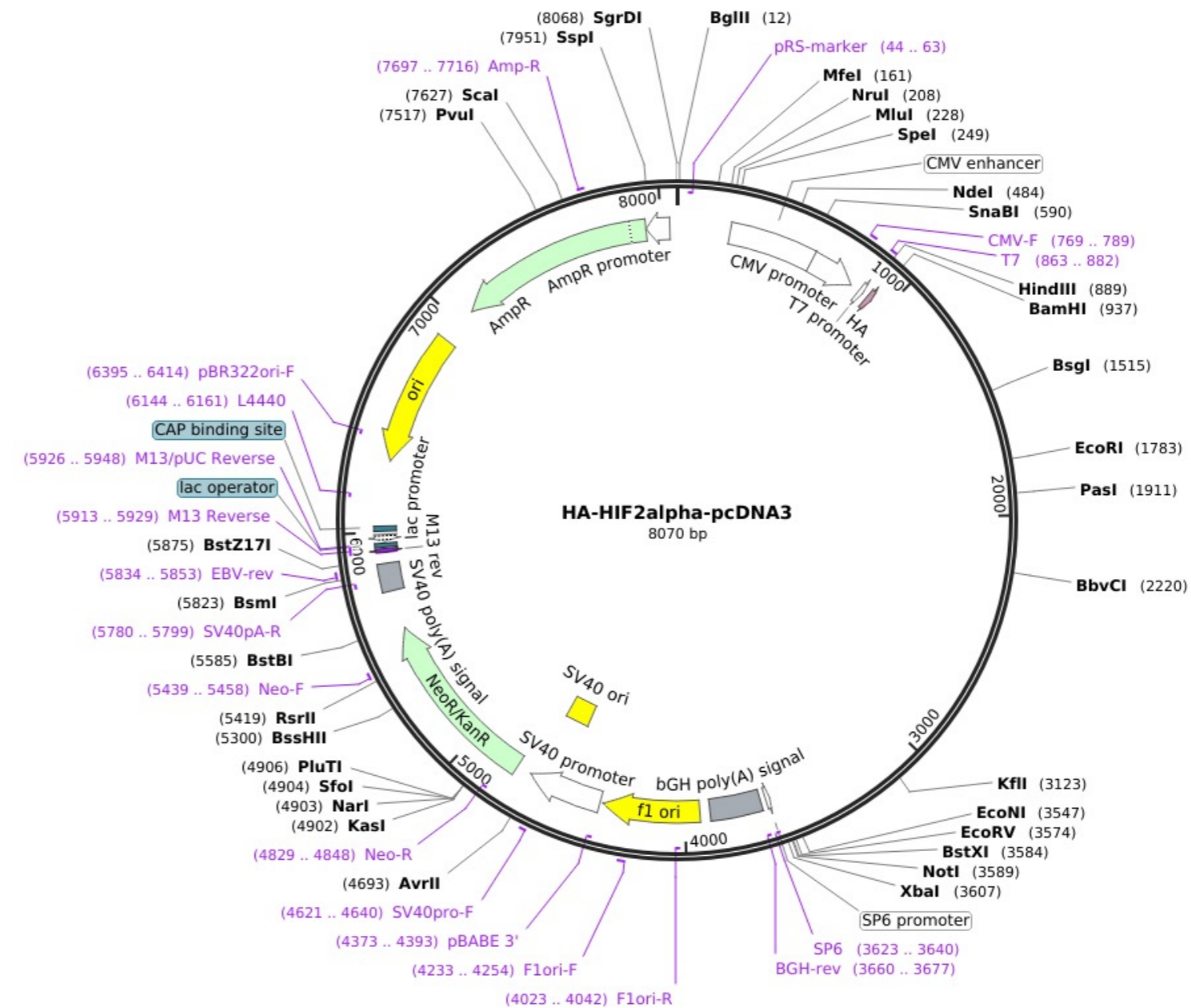
Created with SnapGene®

bacterial marker Amp	parent vector pcDNA3
vertebrate marker Neo (G418)	bacterial plasmid
other relevant source constructs	

Inserts	Full length HIF2a with N-terminal HA tag 5' cloning site BamH I (not destroyed) 3' cloning site EcoR I (destroyed during cloning)
Reporter gene	
Promoter, splice, PolyA	CMV promoter bGH polyA

Comments

Reference Inhibition of HIF is necessary for tumor suppression by the von Hippel-Lindau protein. Kondo K, Kico J, Nakamura E, Lechpammer M, Kaelin WG. Cancer Cell. 2002 Apr . 1(3):237-46. 10.1016/S1535-6108(02)00043-0 PubMed 12086860



Construct number

2790

Date entered

7.8.17

Constructed by

From Tom Bender

Date constructed

PLASMID NAME

pST96

bacterial marker Kan

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Bacterial expression plasmid with 9X His at C-terminal

Reporter gene

Promoter,
splice,
PolyA

T7 promoter
T7 terminator

Comments

Bacterial expression

Reference

MCS nucleotide sequence for vectors with NcoI site

NcoI *EcoRV* *BamHI* *EcoRI* *BsrGI* *StuI* *AscI* *PstI* *SacI* *Sall* *HindIII* *EagI* *NotI* *XhoI*
TCCATGGGATATCGGGGATCCGAATTCTGTACAGGCCTTGGCGCGCTGCAGGCGAGCTCCGTCGACAAGCTTGGGCCGCACTCGAG
S M G Y R G S E F C T G L G A P A G E L R R Q A C G R T R

pST96 Kan^R

NdeI — NcoI — MCS — XhoI —

TEV — HIS

Construct number

2791

Date entered

7.8.17

Constructed by

Kaushik Bhattacharya

Date constructed

PLASMID NAME

pST96-LBT-TPR2A (Sti1)

bacterial marker Kan

parent vector

pST96

bacterial plasmid

other relevant source constructs

Inserts

Lanthanide Binding Tag (LBT) tagged yeast TPR2A is inserted between NcoI and XhoI in pST96 vector. 9X His tag.

LBT sequence: ATG GGC TAT ATA GAT ACA AAC AAT GAT GGA
TGG TAT GAA GGA GAT GAA CTA TTA

Reporter gene

Promoter,
splice,
PolyA

T7 promoter
T7 terminator
IPTG inducible operon for bacterial expression

Comments Sequence available

Reference

Bhattacharya K, Bernasconi L, Picard D. Luminescence resonance energy transfer between genetically encoded donor and acceptor for protein-protein interaction studies in the molecular chaperone HSP70/HSP90 complexes. **Sci Rep.** 2018 Feb 12;8(1):2801.

MCS nucleotide sequence for vectors with NcoI site

NcoI *EcoRV* *BamHI* *EcoRI* *BsrGI* *StuI* *AscI* *PstI* *SacI* *Sall* *HindIII* *EagI* *NotI* *XhoI*
TCCATGGGATATCGGGGATCCGAATTCTGTACAGGCCTTGGCGCGCCTGCAGGCGAGCTCCGTCGACAAGCTTGGGCCGCACTCGAG
S M G Y R G S E F C T G L G A P A G E L R R Q A C G R T R

pST96 Kan^R

NdeI — NcoI — MCS — XhoI — TEV — HIS

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.8.17

Constructed by Kaushik and Lilia

Date constructed

PLASMID NAME

pST96-LBT-MCS

bacterial marker Kan

parent vector
pST96 LBT-TPR2A (Sti1)
bacterial plasmid

other relevant source constructs

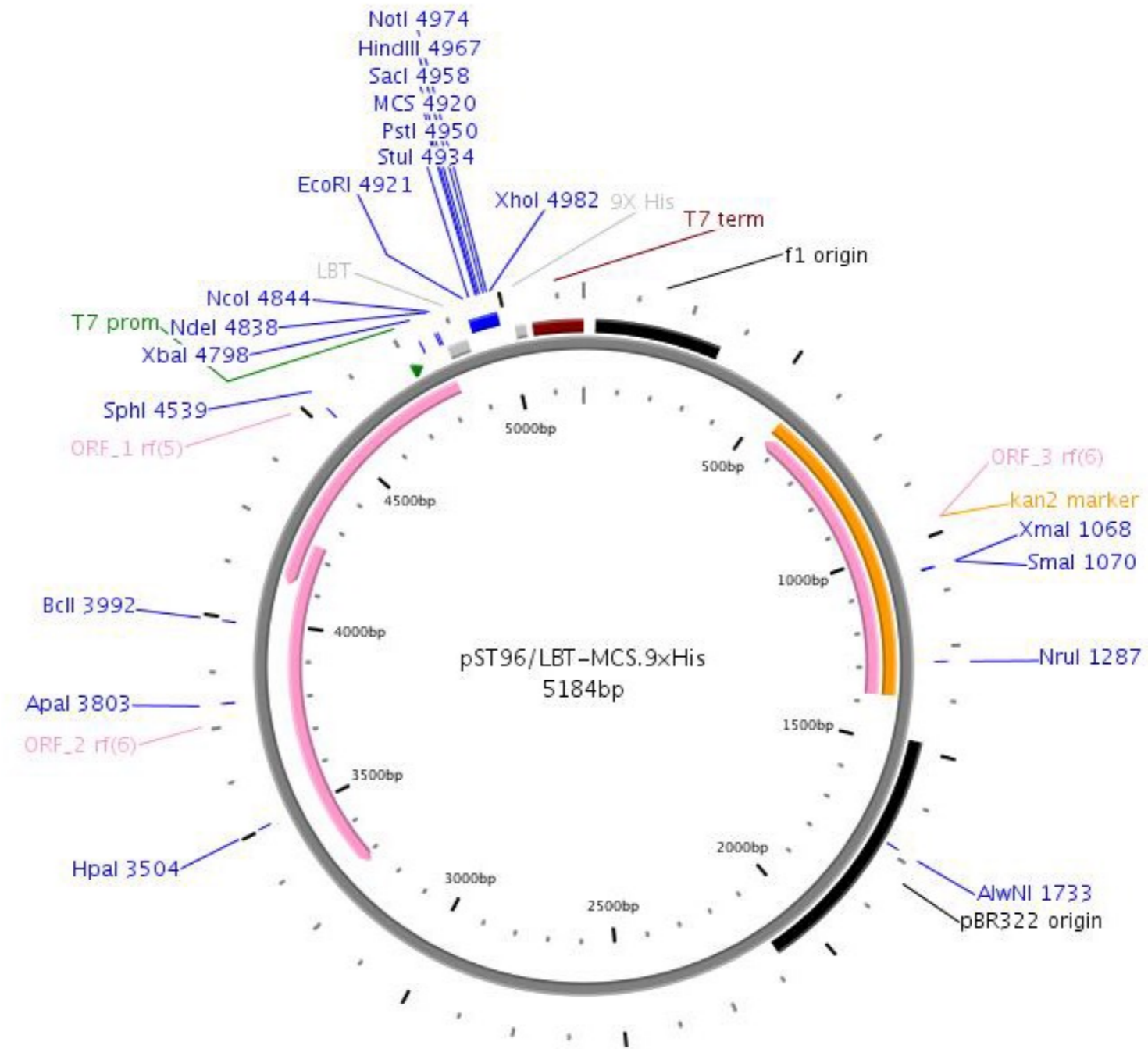
Inserts TPR2A fragment of pST96 LBT-TPR2A (Sti1) plasmid was digested and a MCS sequence was inserted between EcoR1 and XhoI. This is a master plasmid by which any protein can be tagged with LBT for bacterial expression and purification.
9X His tag

Reporter gene

Promoter, splice, PolyA T7 promoter
T7 terminator
IPTG inducible operon for bacterial expression

Comments - Sequence available
- deposited in Addgene with plasmid ID 108227

Reference Bhattacharya K, Bernasconi L, Picard D. Luminescence resonance energy transfer between genetically encoded donor and acceptor for protein-protein interaction studies in the molecular chaperone HSP70/HSP90 complexes. **Sci Rep.** 2018 Feb 12;8(1):2801.



Construct number

2793

Date entered

7.8.17

Constructed by

Kaushik and Lilia

Date constructed

PLASMID NAME

pST96 LBT-TPR1 (STIP1)

bacterial marker Kan

parent vector
pST96 LBT
bacterial plasmid

other relevant source constructs

Inserts

TPR1 of human STIP1 was inserted in XhoI site of pST96-LBT parent vector.
9X His tag

Reporter gene

Promoter, T7 promoter
splice, T7 terminator
PolyA IPTG inducible operon for bacterial expression

Comments Sequence available

Reference

Bhattacharya K, Bernasconi L, Picard D. Luminescence resonance energy transfer between genetically encoded donor and acceptor for protein-protein interaction studies in the molecular chaperone HSP70/HSP90 complexes. **Sci Rep.** 2018 Feb 12;8(1):2801.

Construct number

2794

Date entered

7.8.17

Constructed by

Kaushik and Lilia

Date constructed

PLASMID NAME

pST96 LBT-TPR2A (STIP1)

bacterial marker Kan

parent vector

pST96-LBT

bacterial plasmid

other relevant source constructs

Inserts

TPR2A of human STIP1 was inserted in XhoI site in the parent vector pST96-LBT.
9X His tag

Reporter gene

Promoter,
splice,
PolyA

T7 promoter
T7 terminator
IPTG inducible operon for bacterial expression

Comments

Reference

Bhattacharya K, Bernasconi L, Picard D. Luminescence resonance energy transfer between genetically encoded donor and acceptor for protein-protein interaction studies in the molecular chaperone HSP70/HSP90 complexes. **Sci Rep.** 2018 Feb 12;8(1):2801.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.8.17

Constructed by Kaushik and Lilia

Date constructed

PLASMID NAME

pST96 LBT-TPR1 K8A (STIP1)

bacterial marker Kan

parent vector
pST96-LBT
bacterial plasmid

other relevant source constructs

Inserts HSP70 binding mutation K8A carrying TPR1 of human STIP1 was inserted in XhoI site in pST96-LBT parent vector.
9X His Tag

Reporter gene

Promoter, T7 promoter
splice, T7 terminator
PolyA IPTG inducible operon for bacterial expression

Comments

Reference Bhattacharya K, Bernasconi L, Picard D. Luminescence resonance energy transfer between genetically encoded donor and acceptor for protein-protein interaction studies in the molecular chaperone HSP70/HSP90 complexes. **Sci Rep. 2018 Feb 12;8(1):2801.**

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.8.17

Constructed by Kaushik and Lilia

Date constructed

PLASMID NAME

pST96 LBT-TPR1 K229A (STIP1)

bacterial marker Kan

parent vector
pST96-LBT
bacterial plasmid

other relevant source constructs

Inserts HSP90 binding mutation K229A carrying TPR2A of human STIP1 was inserted into XhoI site in pST96-LBT parent vector.
9X His Tag

Reporter gene

Promoter, T7 promoter
splice, T7 terminator
PolyA IPTG inducible operon for bacterial expression

Comments

Reference Bhattacharya K, Bernasconi L, Picard D. Luminescence resonance energy transfer between genetically encoded donor and acceptor for protein-protein interaction studies in the molecular chaperone HSP70/HSP90 complexes. **Sci Rep. 2018 Feb 12;8(1):2801.**

Construct number 2797

Date entered 7.8.17

Constructed by Adrienne Edkins

Date constructed

PLASMID NAME

pcDNA3.1-HOP wt-HA

bacterial marker Amp

parent vector pcDNA3.1

vertebrate marker Neo (G418)

bacterial plasmid

other relevant source constructs

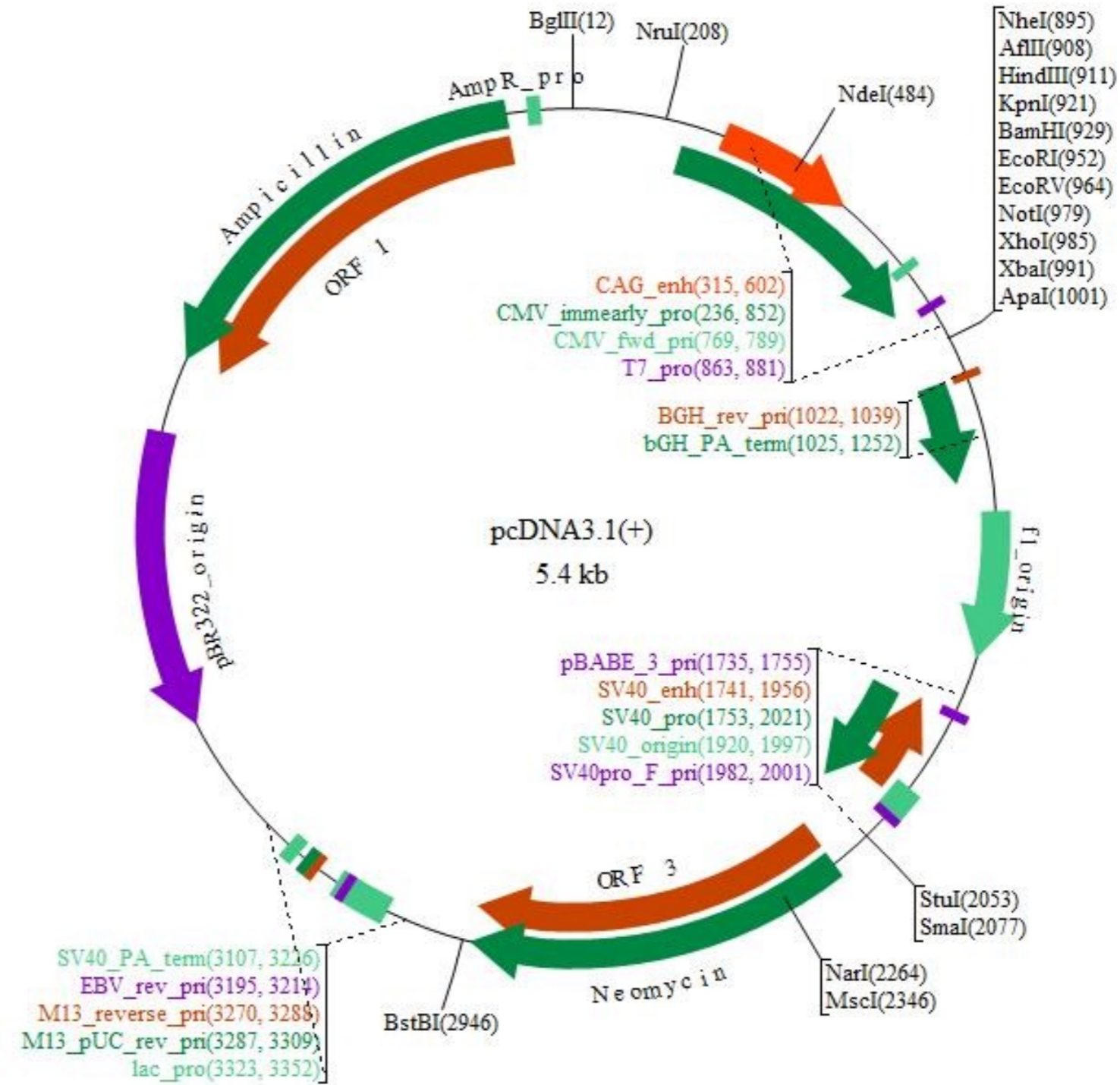
Inserts Human full length wt STIP1 with C-terminal HA tag was inserted into EcoRV site in pcDNA3.1(+). The whole insert was flanked by 5' Pst I and 3' Hind III site.

Reporter gene

Promoter, splice, PolyA CMV promoter bGH polyA

Comments Sequence available

Reference



Construct number 2798

Date entered 7.8.17

Constructed by Kaushik Bhattacharya

Date constructed

PLASMID NAME

pcDNA3.1-HOP K8A-HA

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector pcDNA3.1-HOP wt-HA

bacterial plasmid

other relevant source constructs

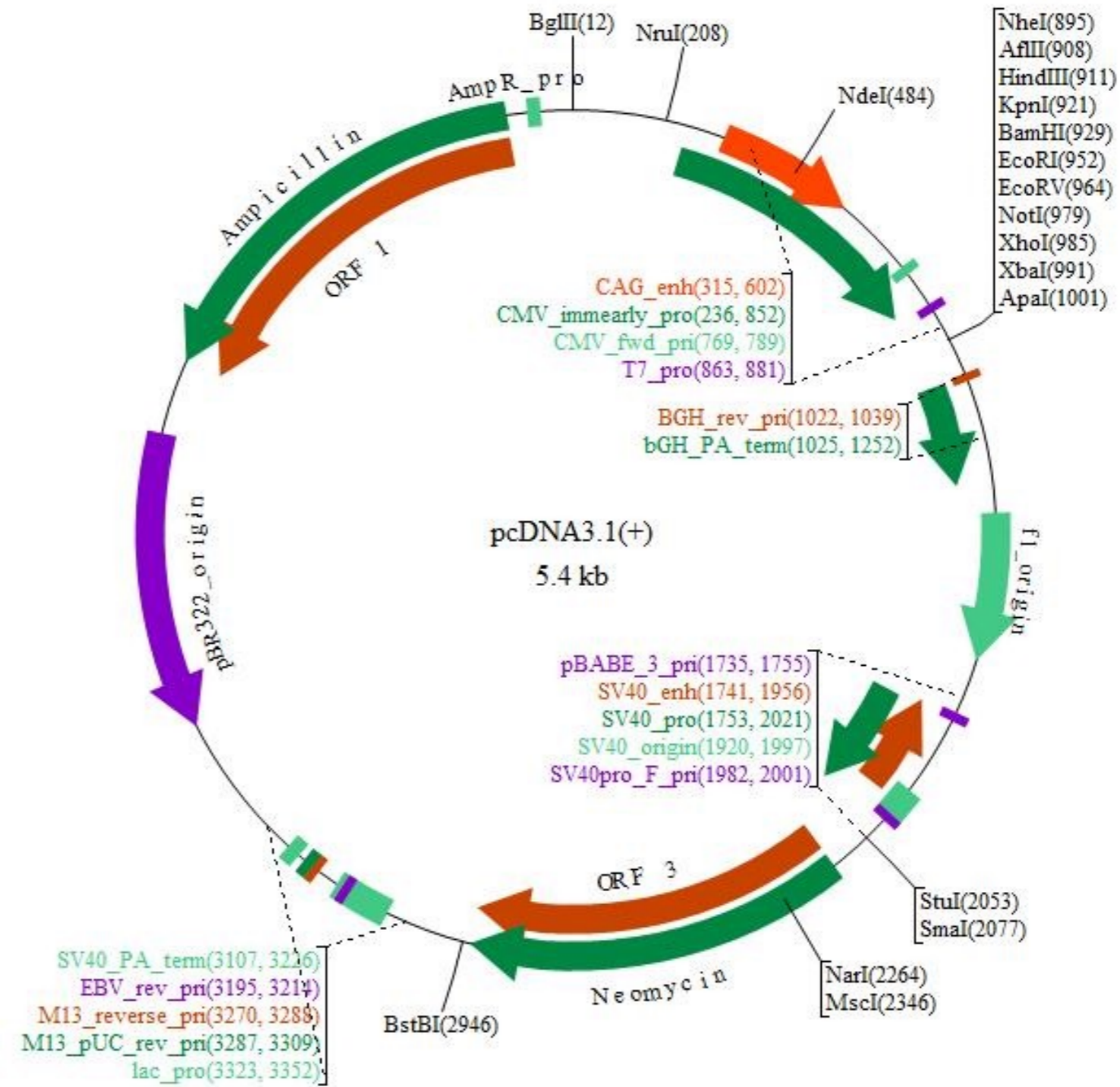
Inserts Site directed mutagenesis was done with the long primer to incorporate the K8A mutation in the parent vector. This mutation completely abolish the HSP70 binding of HOP and also HSP90 binding is bit compromised.

Reporter gene

Promoter, splice, PolyA CMV promoter bGH polyA

Comments

Reference Bhattacharya K, Bernasconi L, Picard D. Luminescence resonance energy transfer between genetically encoded donor and acceptor for protein-protein interaction studies in the molecular chaperone HSP70/HSP90 complexes. Sci Rep. 2018 Feb 12;8(1):2801.



Construct number 2799

Date entered 7.8.17

Constructed by Kaushik Bhattacharya

Date constructed

PLASMID NAME

pcDNA3.1-HOP K229A-HA

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector pcDNA3.1-HOP wt-HA

bacterial plasmid

other relevant source constructs

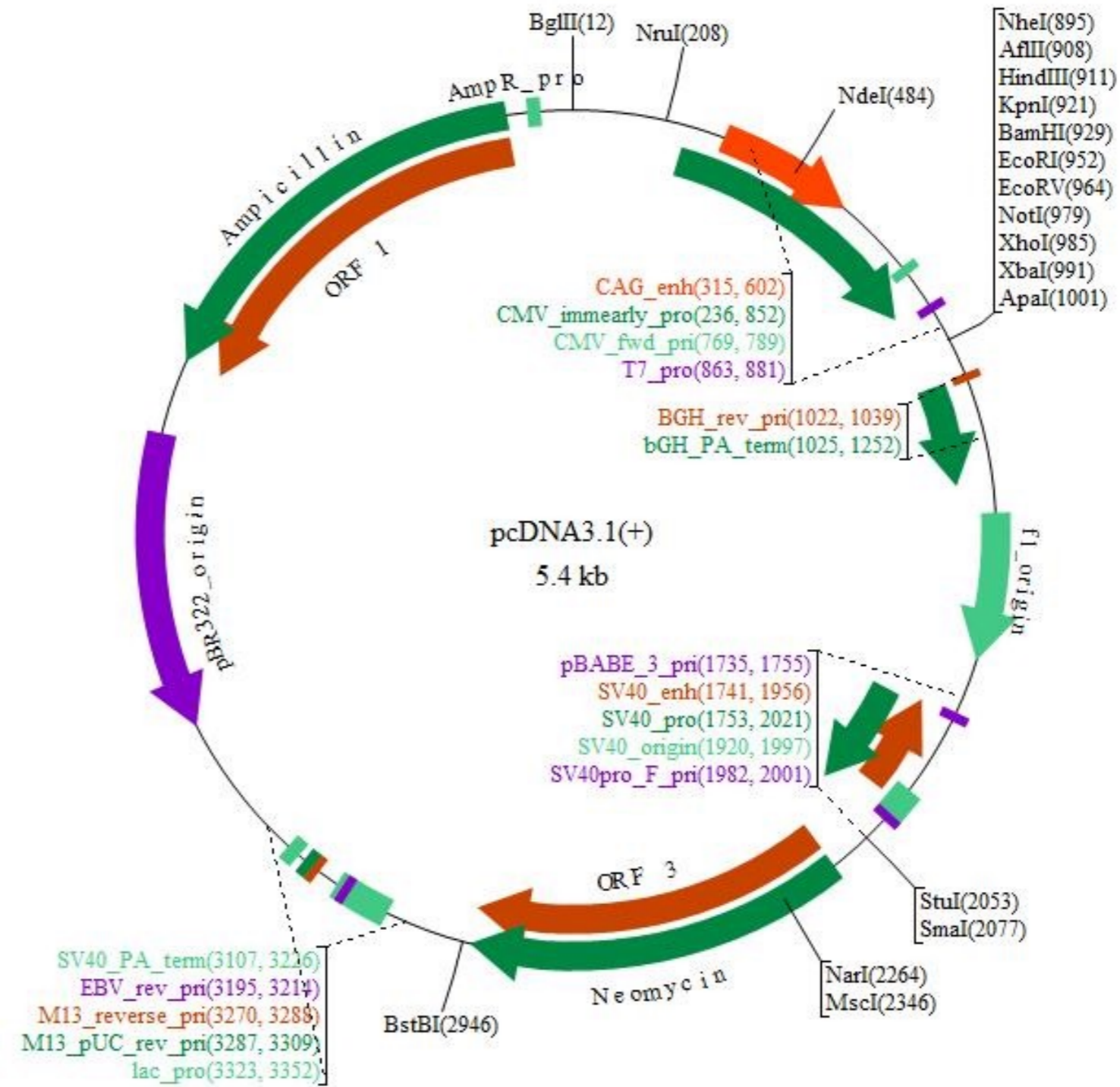
Inserts Site directed mutagenesis was done with the long primer to incorporate the K229A mutation in the parent vector. This mutation completely abolish the HSP90 binding of HOP and also HSP70 binding is bit compromised.

Reporter gene

Promoter, splice, PolyA CMV promoter bGH polyA

Comments

Reference Bhattacharya K, Bernasconi L, Picard D. Luminescence resonance energy transfer between genetically encoded donor and acceptor for protein-protein interaction studies in the molecular chaperone HSP70/HSP90 complexes. Sci Rep. 2018 Feb 12;8(1):2801.



Construct number 2800

Date entered 7.8.17

Constructed by Kaushik Bhattacharya

Date constructed

PLASMID NAME

pcDNA3.1-HOP K8A,K229A-HA

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector pcDNA3.1-HOP K8A-HA

bacterial plasmid

other relevant source constructs

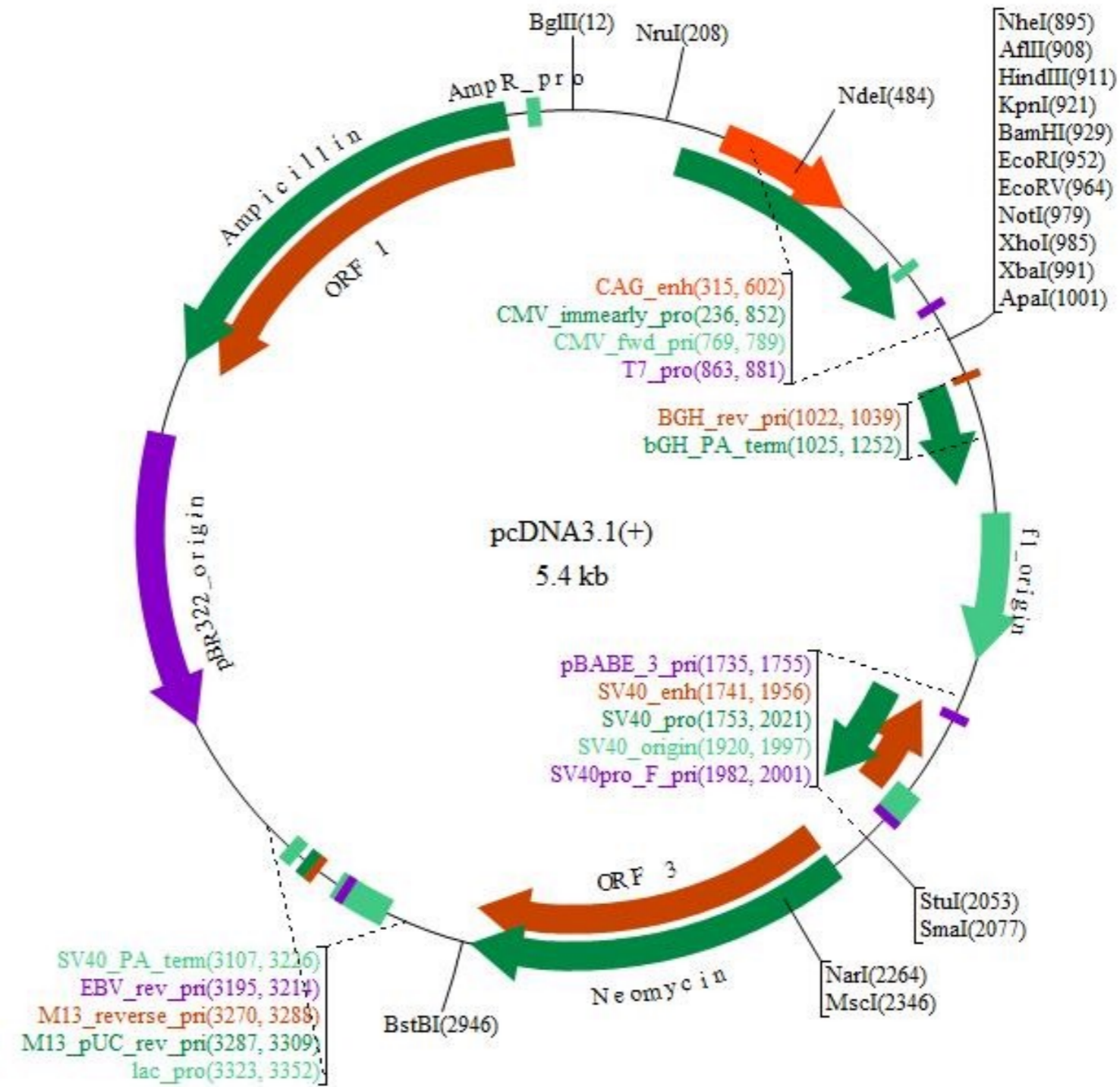
Inserts Site directed mutagenesis was done with the long primer to incorporate the K229A mutation in the parent vector (already carrying K8A mutation). This mutation completely abolish both HSP70 and HSP90 binding of HOP.

Reporter gene

Promoter, splice, PolyA CMV promoter bGH polyA

Comments

Reference Bhattacharya K, Bernasconi L, Picard D. Luminescence resonance energy transfer between genetically encoded donor and acceptor for protein-protein interaction studies in the molecular chaperone HSP70/HSP90 complexes. Sci Rep. 2018 Feb 12;8(1):2801.



Construct number 2801

Date entered 7.8.17

Constructed by Citi Lab

Date constructed

PLASMID NAME

pcDNA3.1(+)-HA

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector pcDNA3.1(+)

bacterial plasmid

other relevant source constructs

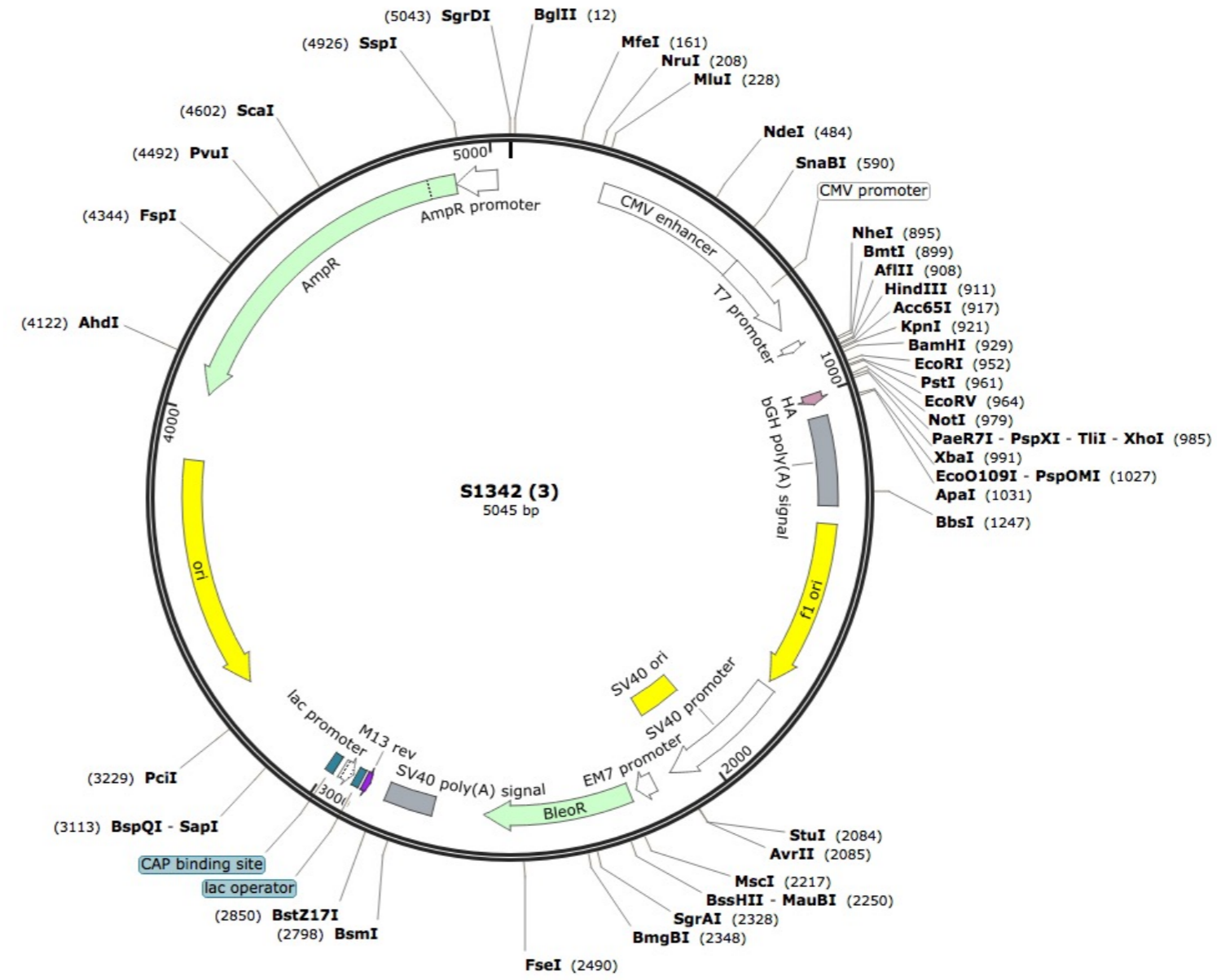
Inserts HA-tag was inserted at the 3' of MCS of the parent vector.

Reporter gene

Promoter, splice, PolyA CMV promoter
bGH polyA

Comments

Reference



Construct number

2802

Date entered

7.8.17

Constructed by

Kaushik Bhattacharya

Date constructed

PLASMID NAME

pcDNA3.1 HOP Y354E-HA

bacterial marker

Amp

vertebrate marker

Neo (G418)

parent vector

pcDNA3.1-HA

bacterial plasmid

other relevant source constructs

Inserts

Y354E mutated human STIP1/HOP was inserted in XhoI site in the parent vector.

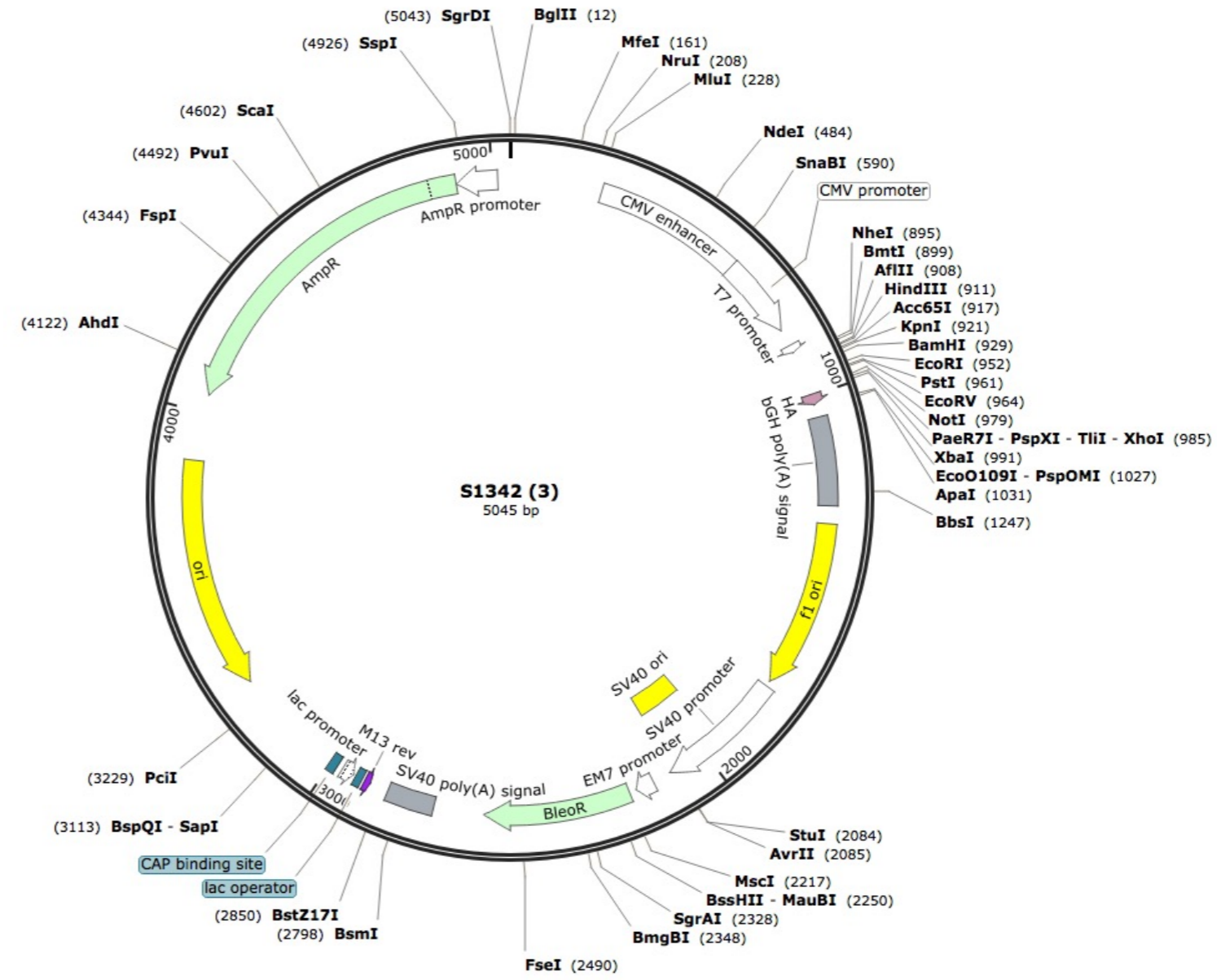
Reporter gene

Promoter,
splice,
PolyA

CMV promoter
bGH polyA

Comments

Reference



Construct number 2803

Date entered 7.8.17

Constructed by Kaushik Bhattacharya

Date constructed

PLASMID NAME

pcDNA3.1 HOP Y354F-HA

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector pcDNA3.1-HA

bacterial plasmid

other relevant source constructs

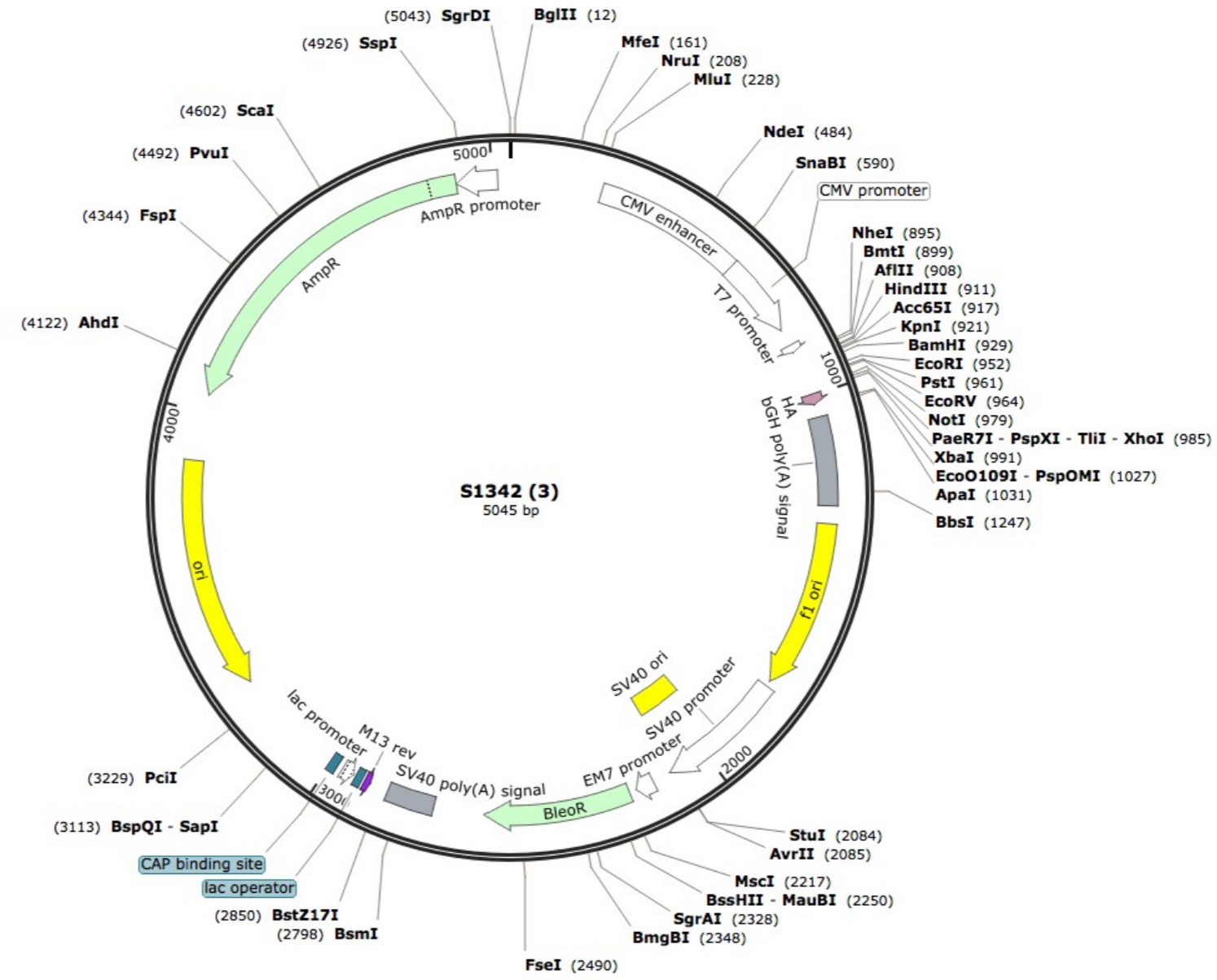
Inserts Y354F mutated human STIP1/HOP was inserted into XhoI site in parent vector.

Reporter gene

Promoter, splice, PolyA CMV promoter bGH polyA

Comments

Reference



Created with SnapGene®

Construct number 2804

Date entered 8.8.17

Constructed by Johannes Buchner

Date constructed

PLASMID NAME

pET28 HOP Y354E

bacterial marker Kan

parent vector pET28a

bacterial plasmid

other relevant source constructs

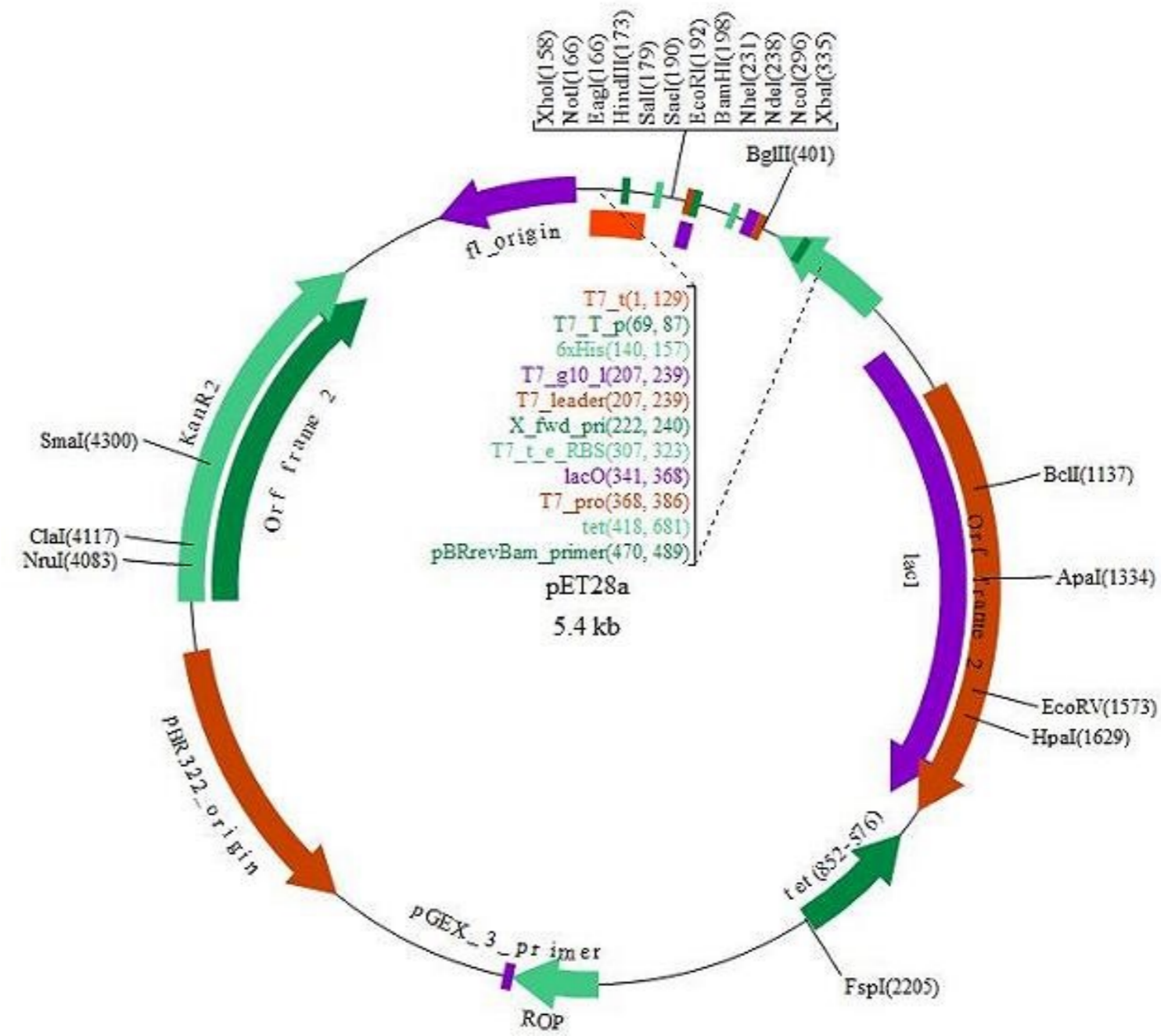
Inserts Full length human HOP with Y354E mutation. Recombinant protein has N-terminal 6X His tag.

Reporter gene

Promoter, splice, PolyA T7 promoter, T7 terminator

Comments Protein expression can be done by IPTG in BL21 DE3 bacterial strain.

Reference



Construct number 2805

Date entered 8.8.17

Constructed by Johannes Buchner

Date constructed

PLASMID NAME

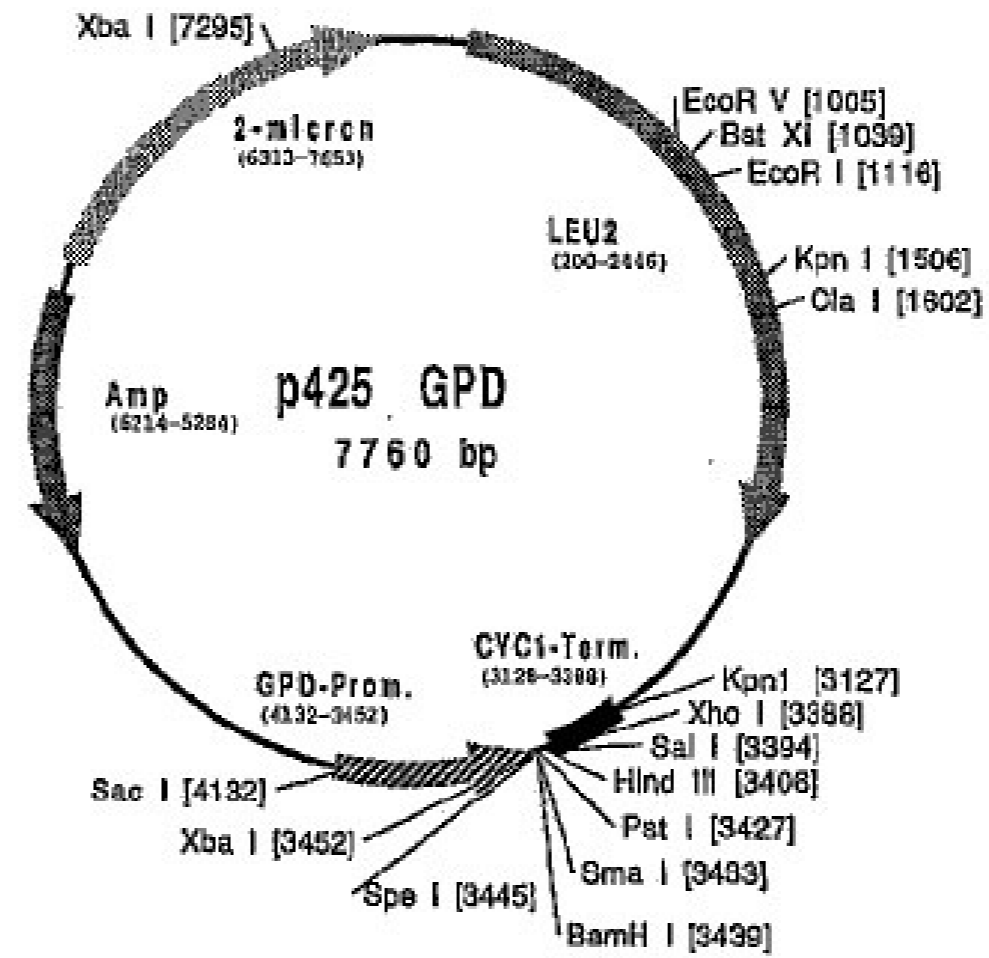
p425GPD HOP Y354F

<u>bacterial marker</u> Amp	<u>parent vector</u> p425GPD
<u>yeast marker</u> LEU2	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> 2 μ circle	<u>other relevant source constructs</u>

<u>Inserts</u>	Full length human HOP with Y354F mutation.
<u>Reporter gene</u>	<input type="text"/>
<u>Promoter, splice, PolyA</u>	GPD promoter

Comments This is constitutive yeast expression vector.

Reference



Construct number 2806
Constructed by Ulrich Hartl

Date entered 8.8.17
Date constructed

PLASMID NAME

pcDNA3.1A TPR2-Myc/His

bacterial marker Amp	parent vector pcDNA3.1A Myc/His bacterial plasmid
	other relevant source constructs

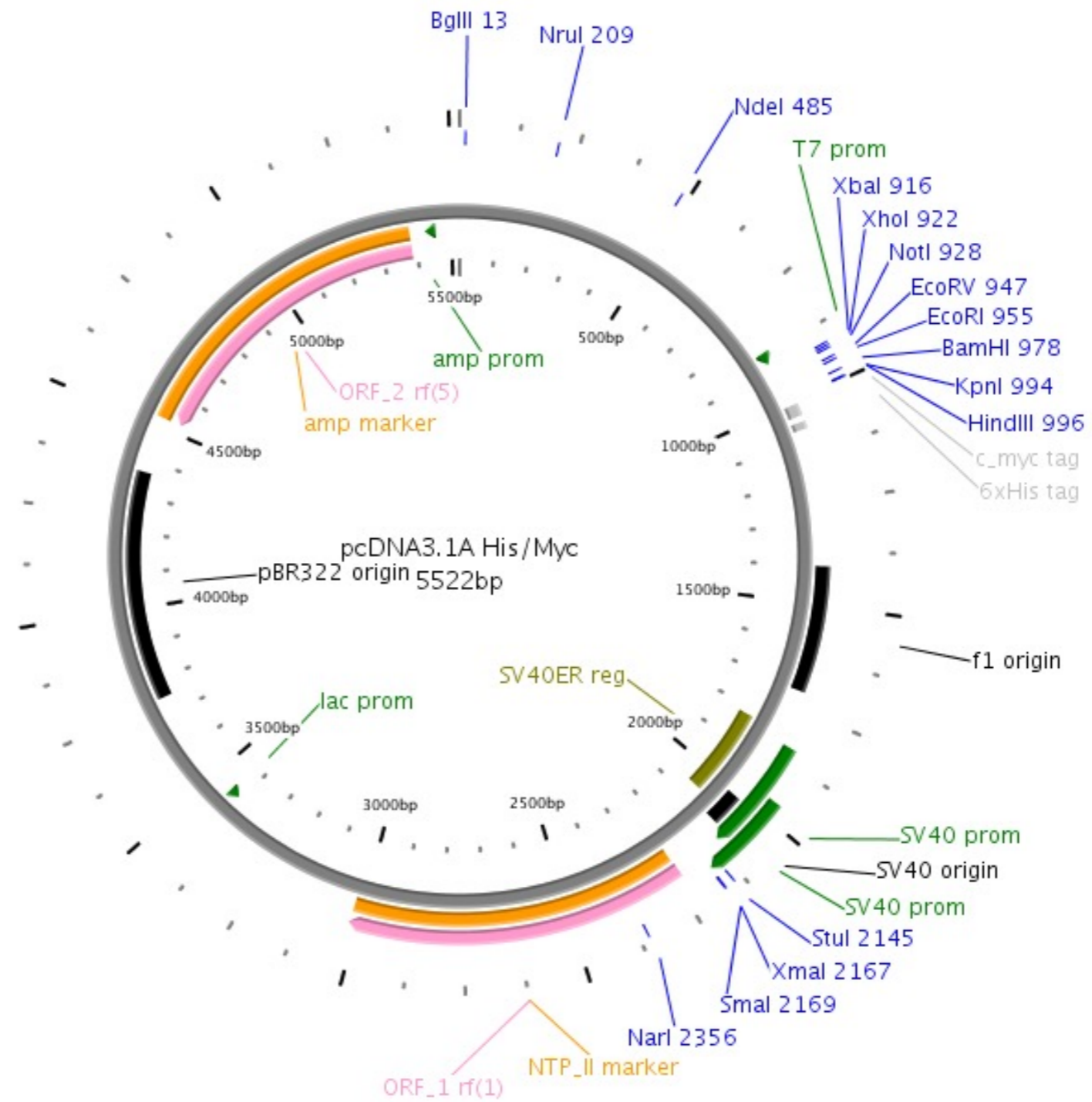
Inserts Full length human wt TPR2 (DNAJC7) is cloned into XhoI and EcoRI site. Recombinant protein has both C-terminal Myc and His tag.

Reporter gene

Promoter, T7, CMV promoter
splice, SV40 polyA
PolyA

Comments

Reference



Construct number 2807

Date entered 8.8.17

Constructed by Kaushik Bhattacharya

Date constructed

PLASMID NAME

pSpCas9(BB)_HuSTIP1 CRISPR gRNA

bacterial marker Amp	parent vector pSpCas9(BB)-2A-Puro(PX459)
	bacterial plasmid
	other relevant source constructs

Inserts This PX 459 vector has the following hu STIP1 sgRNA insert at the Bbs1/Bpi1 site -

5' **CTGAGAGTGGTCATGATCCG** 3'

This sgRNA targets all three STIP1 splice variants at exon no. 5.

CELLS SHOULD BE SELECTED WITH PUROMYCIN!!!!

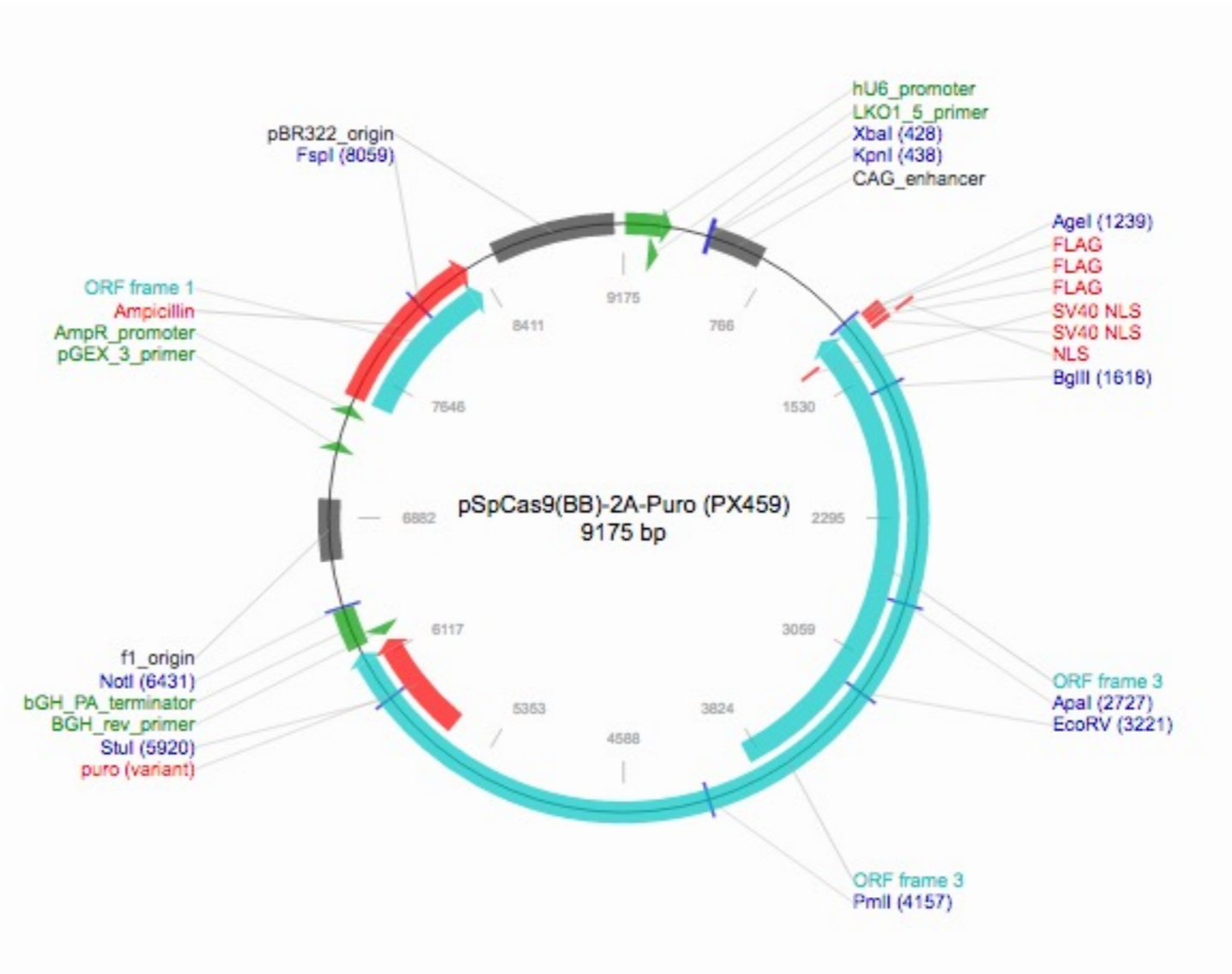
Reporter gene

**Promoter,
splice,
PolyA**

Comments

Reference Ran FA, Hsu PD, Wright J, Agarwala V, Scott DA, Zhang F. Genome engineering using the CRISPR-Cas9 system. Nature protocols. 2013;8(11):2281-2308. doi:10.1038/nprot.2013.143.

Bhattacharya K,.....Picard D. The Hsp70-Hsp90 co-chaperone



Construct number 2808

Date entered 8.8.17

Constructed by Kaushik Bhattacharya

Date constructed

PLASMID NAME

pET15b EGFP

bacterial marker Amp

parent vector

pET15b

bacterial plasmid

other relevant source constructs

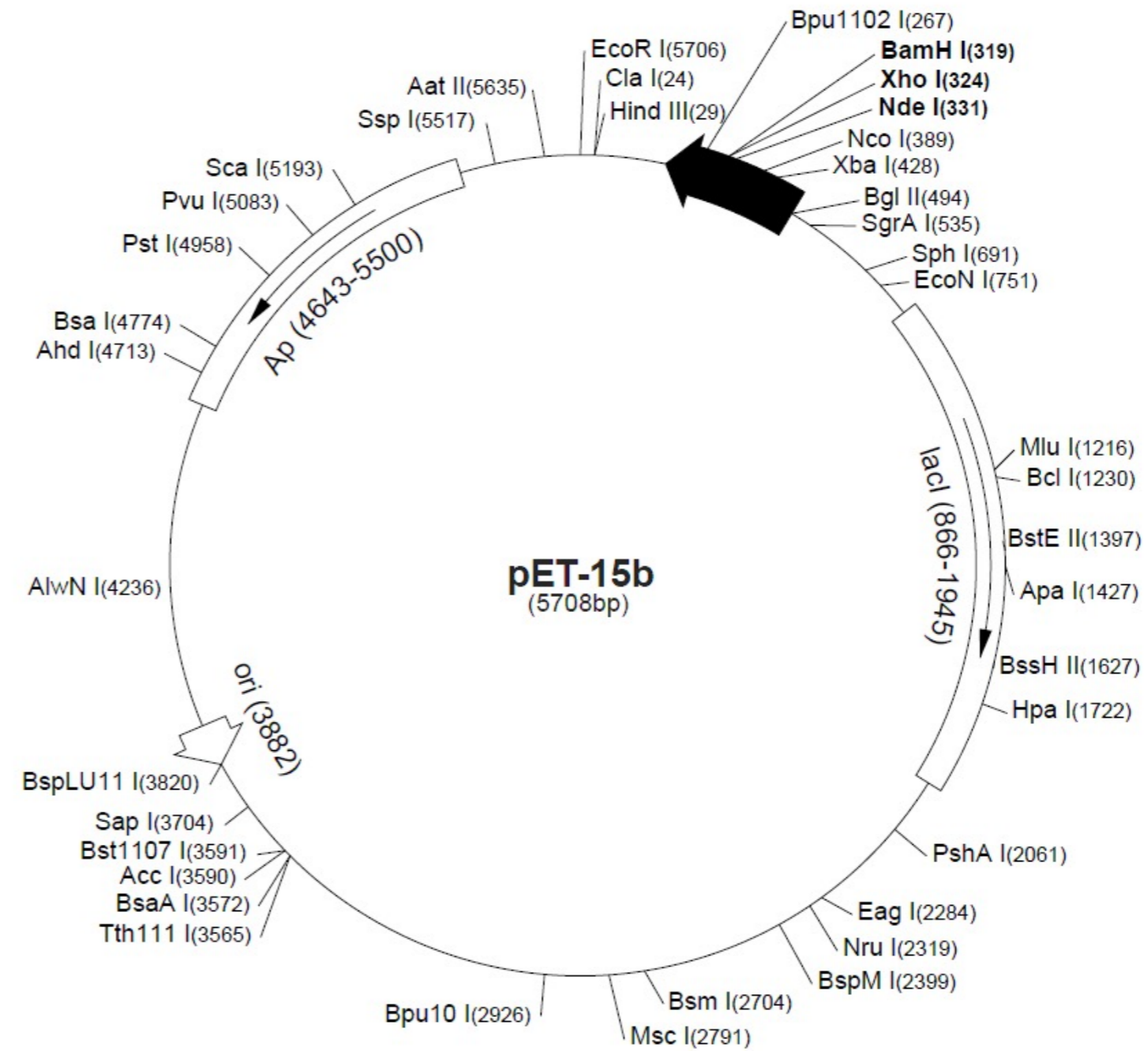
Inserts Full length EGFP is cloned into XhoI site. Recombinant protein has 6X N-terminal His tag.
IPTG inducible expression in BL21 DE3 bacterial strain

Reporter gene

Promoter, T7 promoter
splice, T7 terminator
PolyA

Comments

Reference Bhattacharya K, Bernasconi L, Picard D. Luminescence resonance energy transfer between genetically encoded donor and acceptor for protein-protein interaction studies in the molecular chaperone HSP70/HSP90 complexes. **Sci Rep.** 2018 Feb 12;8(1):2801.



Construct number 2809

Date entered 8.8.17

Constructed by Kaushik Bhattacharya

Date constructed

PLASMID NAME

pET15b EGFP-C90

bacterial marker Amp

parent vector

pET15b EGFP

bacterial plasmid

pET15b

other relevant source constructs

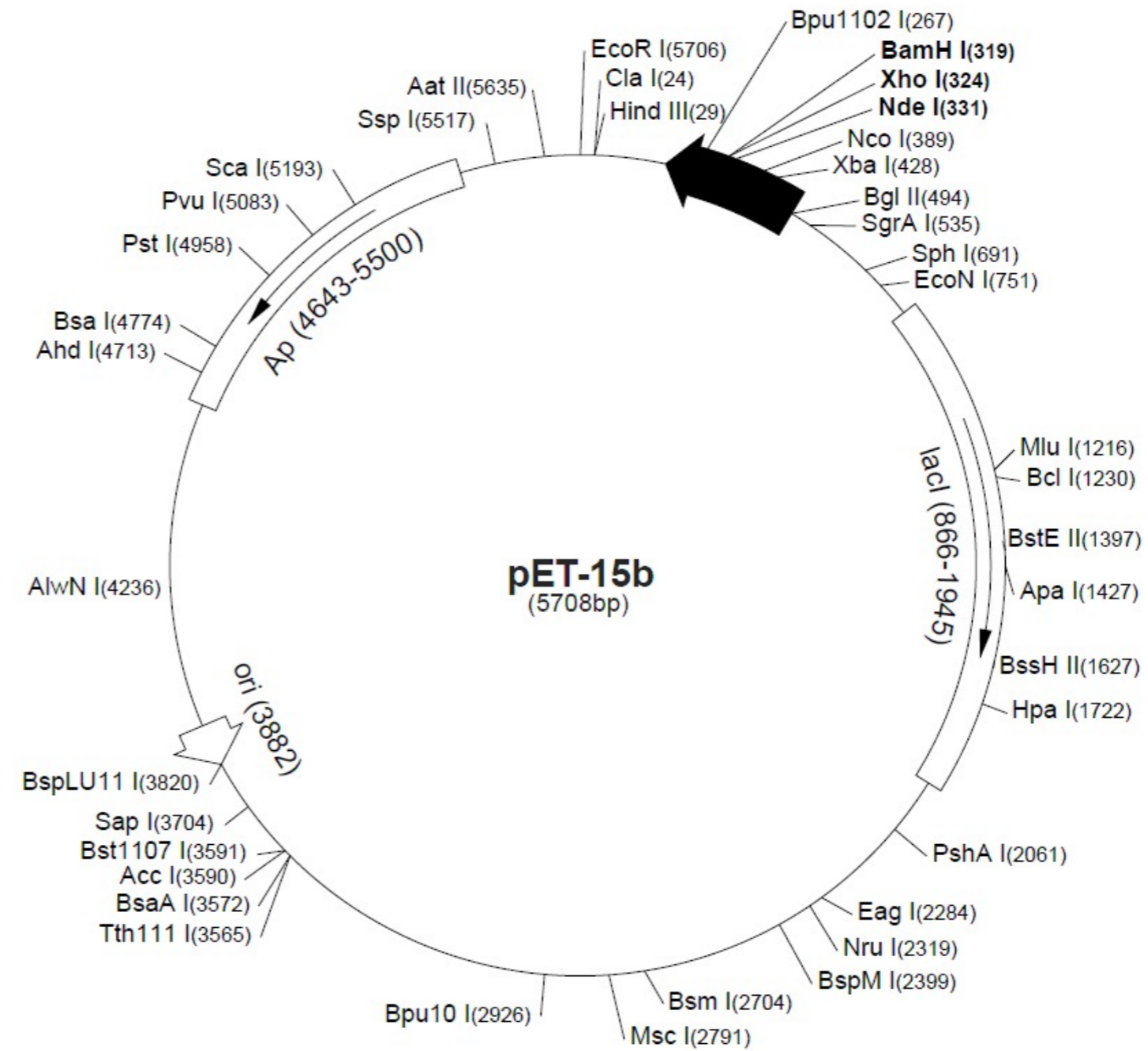
Inserts Last 90 aa of C-terminal of wt human HSP90AA1 is cloned into BamHI site of parent vector. An additional TAA translation end codon was added at the 3' of C90 sequence to end the translation of the whole recombinant protein with MEEVD sequence. Recombinant pteoin has N-terminal 6X His tag. IPTG inducible expression in BL21 DE3 bacterial strain.

Reporter gene

Promoter, splice, PolyA T7 promoter T7 terminator

Comments Sequence available

Reference Bhattacharya K, Bernasconi L, Picard D. Luminescence resonance energy transfer between genetically encoded donor and acceptor for protein-protein interaction studies in the molecular chaperone HSP70/HSP90 complexes. **Sci Rep.** 2018 Feb 12;8(1):2801.



Construct number 2810

Date entered 8.8.17

Constructed by Kaushik Bhattacharya

Date constructed

PLASMID NAME

pET45b TagRFP

bacterial marker Amp

parent vector pET45b

bacterial plasmid

other relevant source constructs

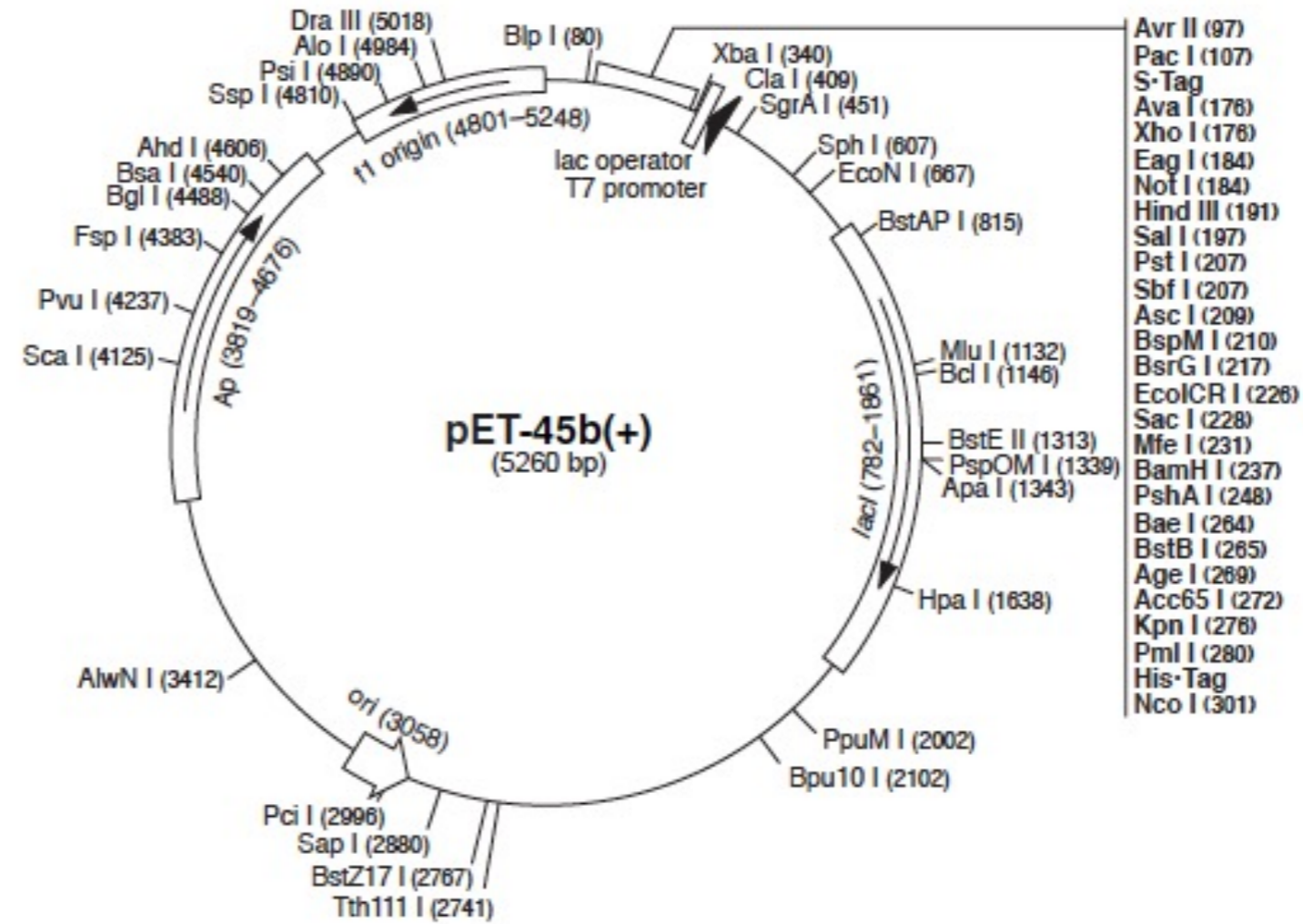
Inserts Full length red fluorescence protein TagRFP was cloned into BamHI site. Recombinant protein has N-terminal 6XHis tag. IPTG inducible expression in BL21 DE3 bacterial strain

Reporter gene

Promoter, T7 promoter
splice, T7 terminator
PolyA

Comments Sequence available

Reference Bhattacharya K, Bernasconi L, Picard D. Luminescence resonance energy transfer between genetically encoded donor and acceptor for protein-protein interaction studies in the molecular chaperone HSP70/HSP90 complexes. **Sci Rep.** 2018 Feb 12;8(1):2801.



Construct number 2811

Date entered 8.8.17

Constructed by Kaushik Bhattacharya

Date constructed

PLASMID NAME

pET45b TagRFP-C70

bacterial marker Amp

parent vector pET45b TagRFP
bacterial plasmid pET45b
other relevant source constructs

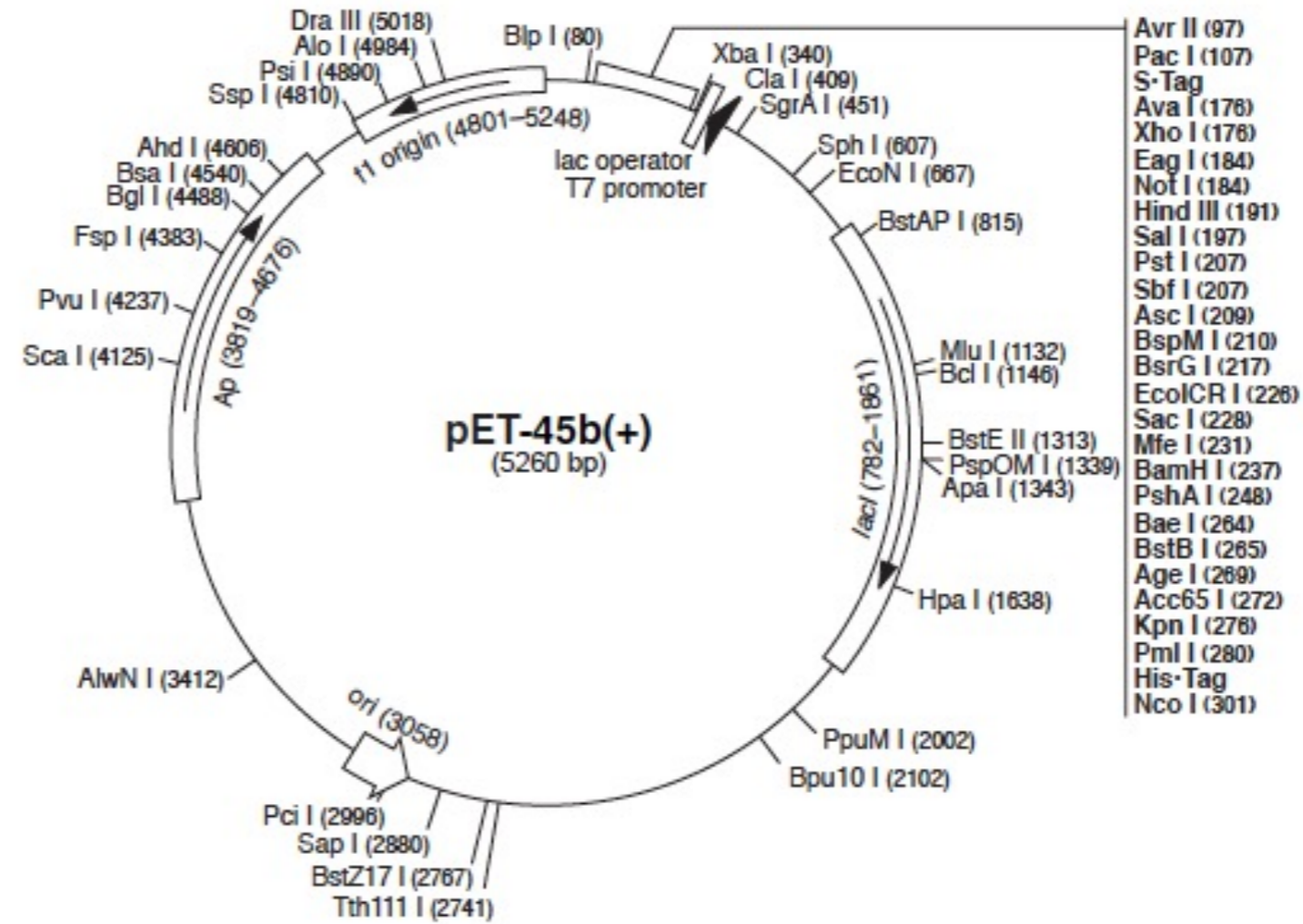
Inserts Last 70 aa of C-terminal of wt human HSPA1 (HSP70) is cloned into PstI site of parent vector. An additional TAA translation end codon was added at the 3' of C70 sequence to end the translation of the whole recombinant protein with PTIEEVD sequence. Recombinant ptein has N-terminal 6X His tag. IPTG inducible expression in BL21 DE3 bacterial strain.

Reporter gene

Promoter, T7 promoter
splice, T7 terminator
PolyA

Comments Sequence available

Reference Bhattacharya K, Bernasconi L, Picard D. Luminescence resonance energy transfer between genetically encoded donor and acceptor for protein-protein interaction studies in the molecular chaperone HSP70/HSP90 complexes. **Sci Rep.** 2018 Feb 12;8(1):2801.



Construct number 2812

Date entered 8.8.17

Constructed by Alfred Goldberg

Date constructed

PLASMID NAME

pDEST15-UBL^{hHR23B}

bacterial marker Amp

parent vector

pDEST15

bacterial plasmid

other relevant source constructs

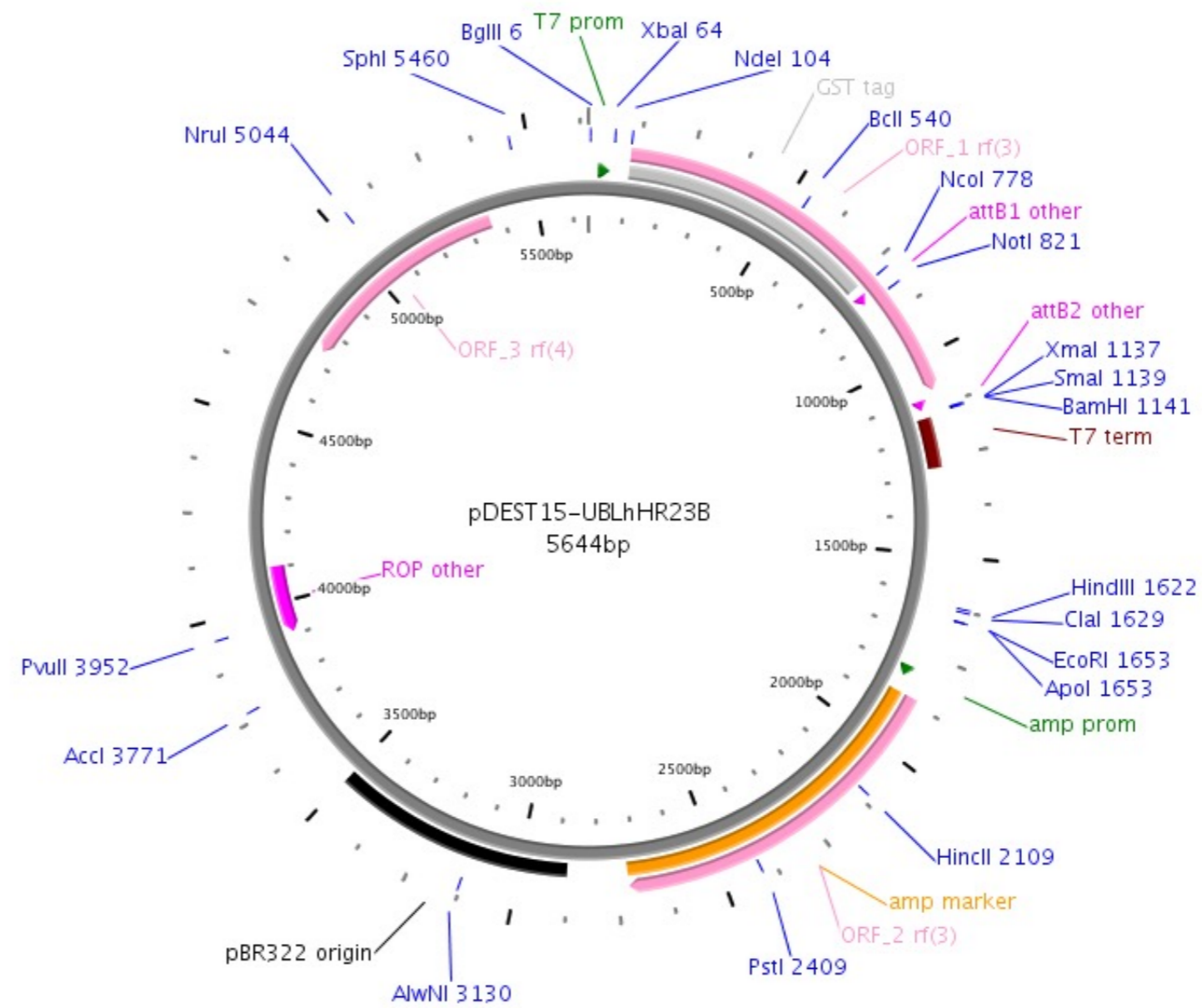
Inserts Ubiquitin Like Domain (UBL) is cloned in pDEST15 vector with N-Terminal GST tag. Recombinant protein can be expressed with L-arabinose in BL21 DE3 bacterial strain.

Reporter gene

Promoter, T7 promoter
splice, T7 terminator
PolyA

Comments Sequence available.
This recombinant protein is used to purify 26S proteasome from mammalian cells and tissues. Tested already and good!!!!

Reference Characterization of Two Polyubiquitin Binding Sites in the 26 S Protease Subunit 5a, THE JOURNAL OF BIOLOGICAL CHEMISTRY, Vol. 273, No. 10, Issue of March 6, pp. 5461-5467, 1998



Construct number 2813

Date entered 8.8.17

Constructed by Alfred Goldberg

Date constructed

PLASMID NAME

pET26b-His10-UIM2-hS5a

bacterial marker Kan	parent vector pET26b bacterial plasmid
	other relevant source constructs

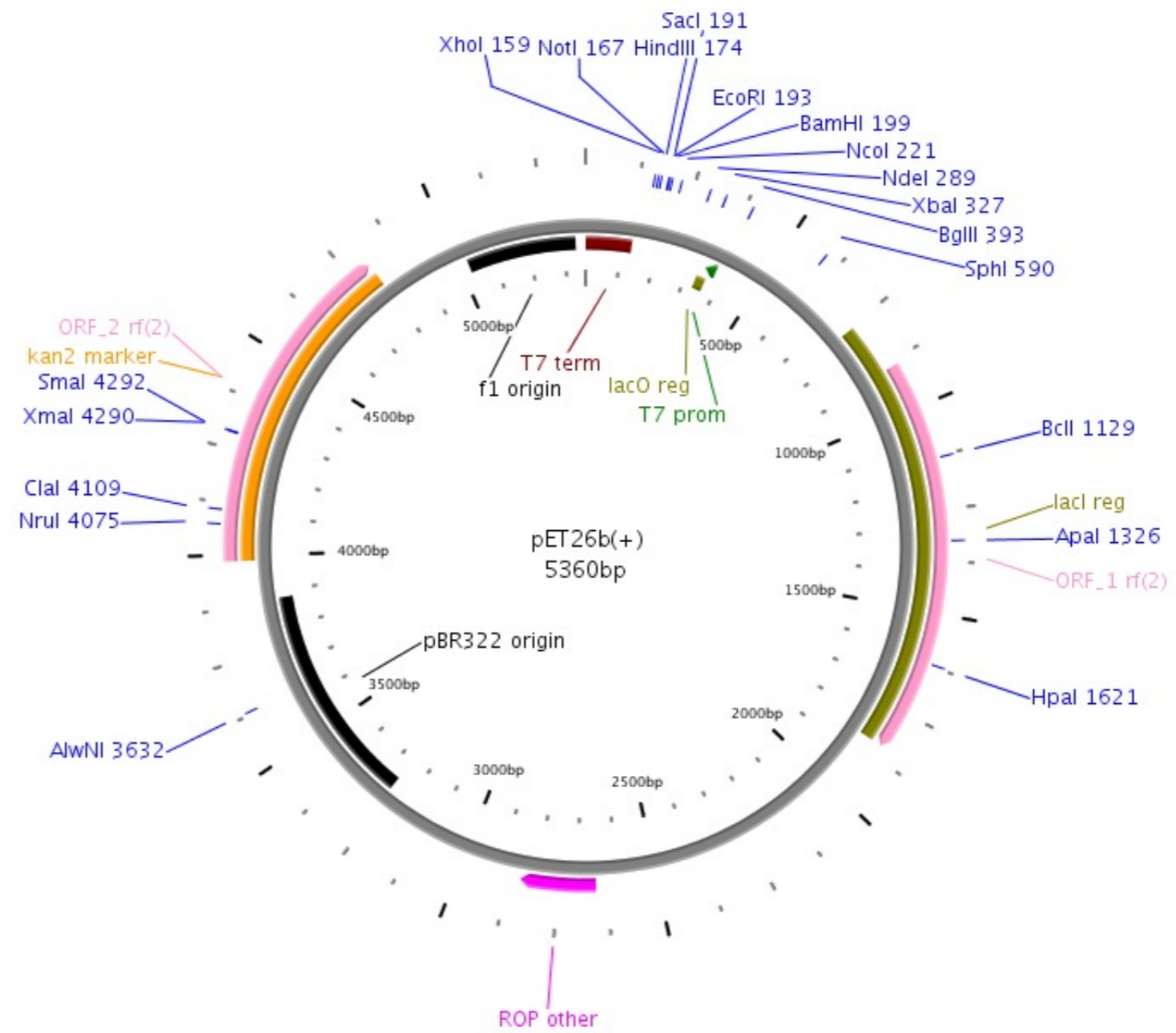
Inserts Ubiquitin Interacting Motif (UIM) of human S5a protein (UIM2) was cloned in parent vector with the 10X C-terminal His. Recombinant protein expression can be done with the IPTG induction with BL21 DE3 bacteril strain.

Reporter gene

Promoter, T7 promoter
splice, T7 terminator
PolyA lacO

Comments This recombinant protein is used to purify 26S proteasome from mammalian cells and tissues. Tested already and good!!!!

Reference Characterization of Two Polyubiquitin Binding Sites in the 26 S Protease Subunit 5a, THE JOURNAL OF BIOLOGICAL CHEMISTRY, Vol. 273, No. 10, Issue of March 6, pp. 5461-5467, 1998



Construct number 2814

Date entered 8.8.17

Constructed by Matthias P. Mayer

Date constructed

PLASMID NAME

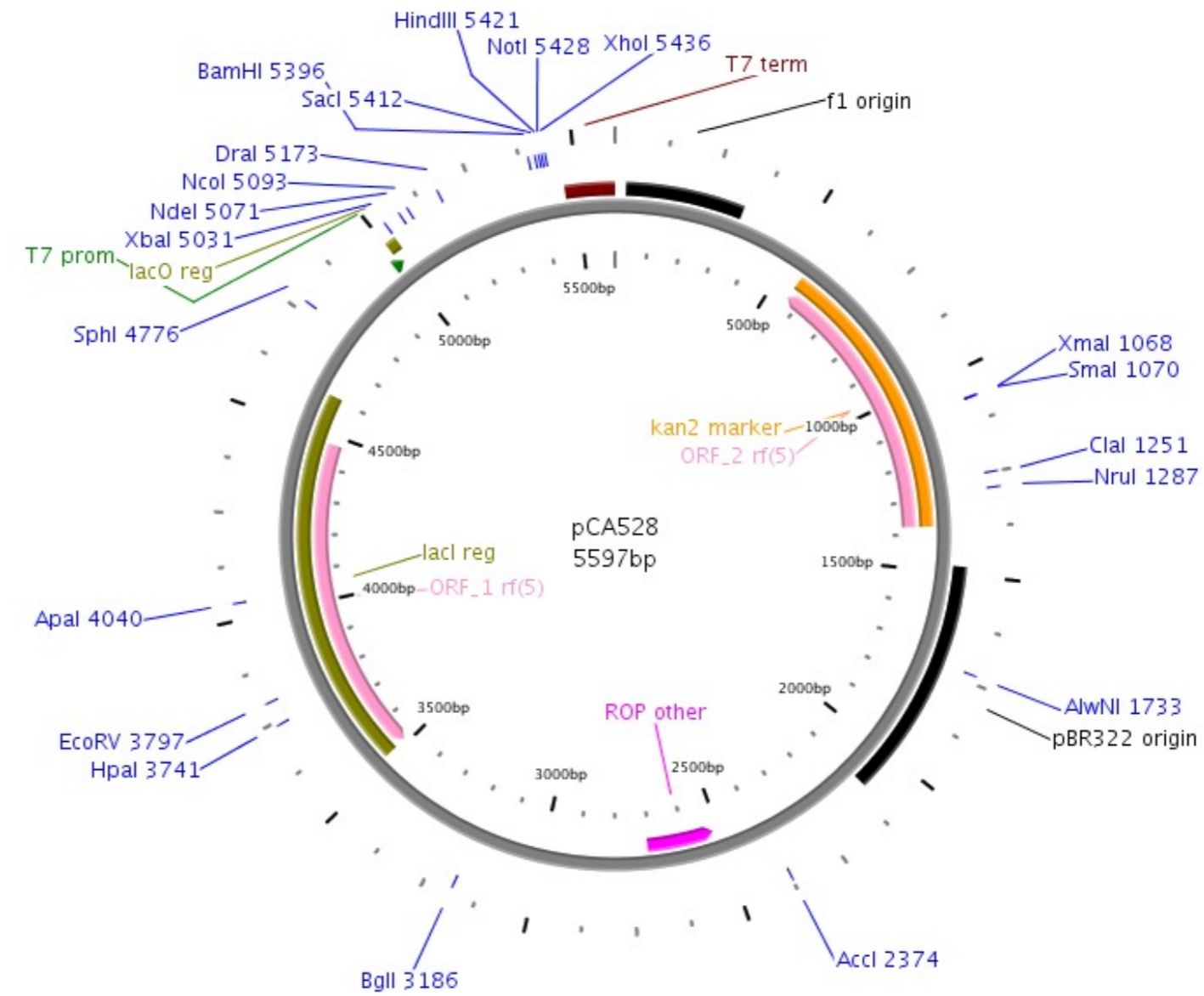
pCA528 HSPA1 C267A,C306N, A541C, C574A.C603A

bacterial marker Kan	parent vector pCA528
	bacterial plasmid pCA528
	other relevant source constructs

Inserts	Full length human HSPA1 (HSP70) gene with single cystine mutation (C267A,C306N, A541C,C574A,C603A) by site directed mutagenesis. Recombinant protein has N-terminal SUMO and N-Terminal 6X His tag. Recombinant protein can be expressed by the induction with IPTG with the BL21 DE3 bacterial strain.
Reporter gene	
Promoter, splice, PolyA	T7 promoter T7 terminator

Comments This recombinant protein can be tagged with chemical fluorophore for the fluorescence anisotropy experiment.

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2815

Date entered

9.8.17

Constructed by

Kaushik Bhattacharya

Date constructed

PLASMID NAME

pEGFP-C90

bacterial marker Kan

vertebrate marker Neo (G418)

parent vector

pEGFPC1

bacterial plasmid

other relevant source constructs

Inserts

Last 90 aa of C-terminal of wt human HSP90AA1 is cloned into BamHI site of parent vector. An additional TAA translation end codon was added at the 3' of C90 sequence to end the translation of the whole recombinant protein with MEEVD sequence. Recombinant protein has N-terminal EGFP tag.

Reporter gene

Promoter, CMV promoter
splice, SV40 polyA
PolyA

Comments Sequence available

Component for in vivo LRET assay !!!!!!!!!!!!!!!!

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.8.17

Constructed by ABHINAV JOSHI

Date constructed

PLASMID NAME

pcDNA3.1 + TRAP1 MTS + HA

bacterial marker Amp

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

pcDNA3.1(+)

bacterial plasmid

pUC

other relevant source constructs

plasmid no. 2801, pcDNA3.1 + HA
plasmid no. 1660, Trap1.EGFP

Inserts TRAP1 mitochondrial targetting sequence (MTS) is inserted in the EcoR1 site of the MCS.

HA tag is at the 3' end of the MTS.

IMPORTANT - Any insert put into the Xho1 site following the EcoR1 site would be in frame with the TRAP1 MTS and HA (HA would be c terminal to insert) and would be directed into the mitochondria.

Reporter gene

Promoter, CMV

splice,

PolyA bGH poly(A)

Comments >>> IMPORTANT - This plasmid is essentially a mitochondria targetting plasmid.

>>> Any insert put into the Xho1 site would be directed straight to mitochondria and would have a functional HA tag.

>>> VERY GOOD FOR IP WITH HA.11 Ab

Reference Joshi et al. (2020) BMC Biol. 18, 10.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.8.17

Constructed by ABHINAV JOSHI

Date constructed

PLASMID NAME

**pcDNA3.1 + TRAP1 MTS +
EGFP-HA**

alternative name

mitoEGFP

<u>bacterial marker</u>	Amp	<u>parent vector</u>	pcDNA3.1 + TRAP1 MTS + HA
<u>vertebrate marker</u>	Neo (G418)	<u>bacterial plasmid</u>	pUC
<u>eukaryotic replicon</u>	SV40 ori	<u>other relevant source constructs</u>	plasmid no. 2801, pcDNA3.1 + HA, plasmid no. 2816, pcDNA3.1 + TRAP1 MTS + HA

Inserts This plasmid has an EGFP sequence inserted into the Xho1 site following the TRAP1 MTS in the 5' EcoR1 site.

The EGFP is followed by an HA tag at the 3' end.

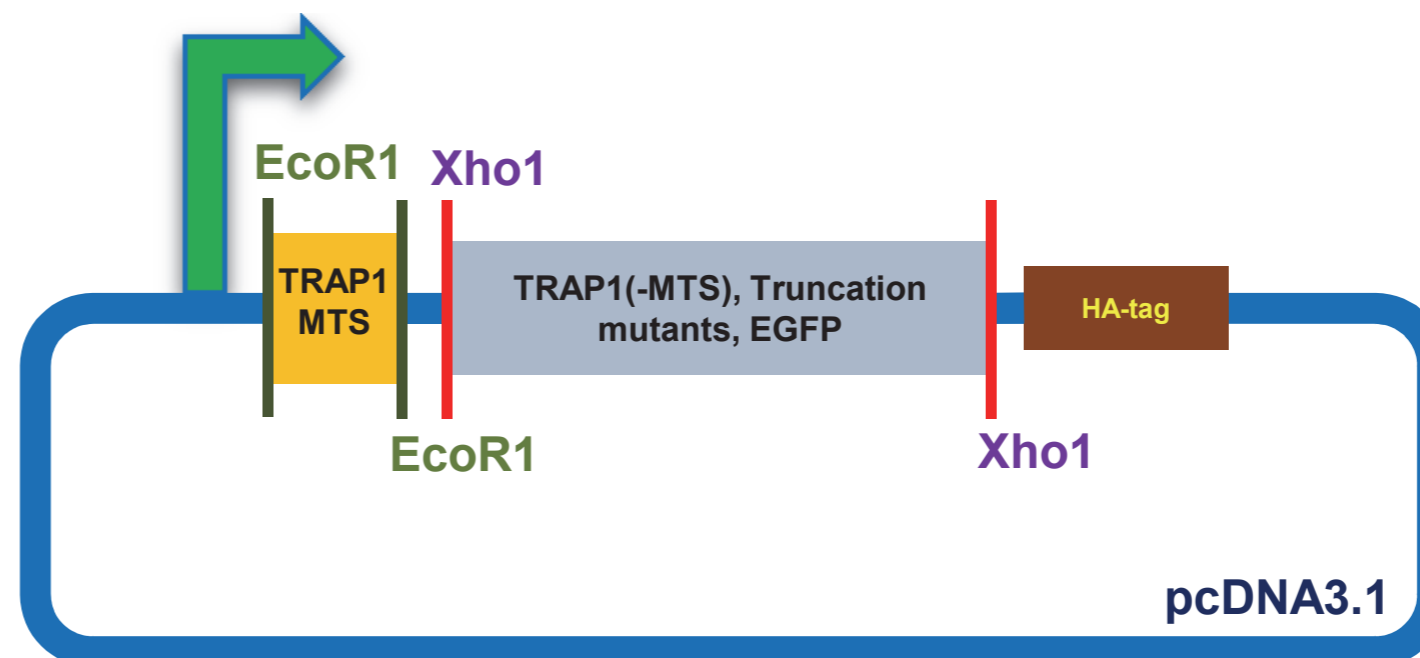
SPECIFICALLY TARGETS EGFP TO THE MITOCHONDRIA

Reporter gene

Promoter, splice, PolyA
CMV
bGH ploy(A)

Comments

Reference Joshi et al. (2020) BMC Biol. 18, 10.



mitoEGFP, TRAP1, TRAP1 E115A/R402A, TRAP1 ΔStrap, N



TRAP1-FLAG, TRAP1 D158N-FLAG

Construct number 2818

Date entered 9.8.17

Constructed by FRANCIS TSAI lab

Date constructed

PLASMID NAME

hTRAP1 E115A / R402A

bacterial marker Amp

parent vector
pProexHTb (Invitrogen)

bacterial plasmid

other relevant source constructs

Inserts This is a TRAP1 double mutant for E115A/R402A that has been cloned using BamH1 and Xho1 sites.

E115A impairs ATP hydrolysis but not ATP binding.

R402A breaks gamma phosphate contacts.

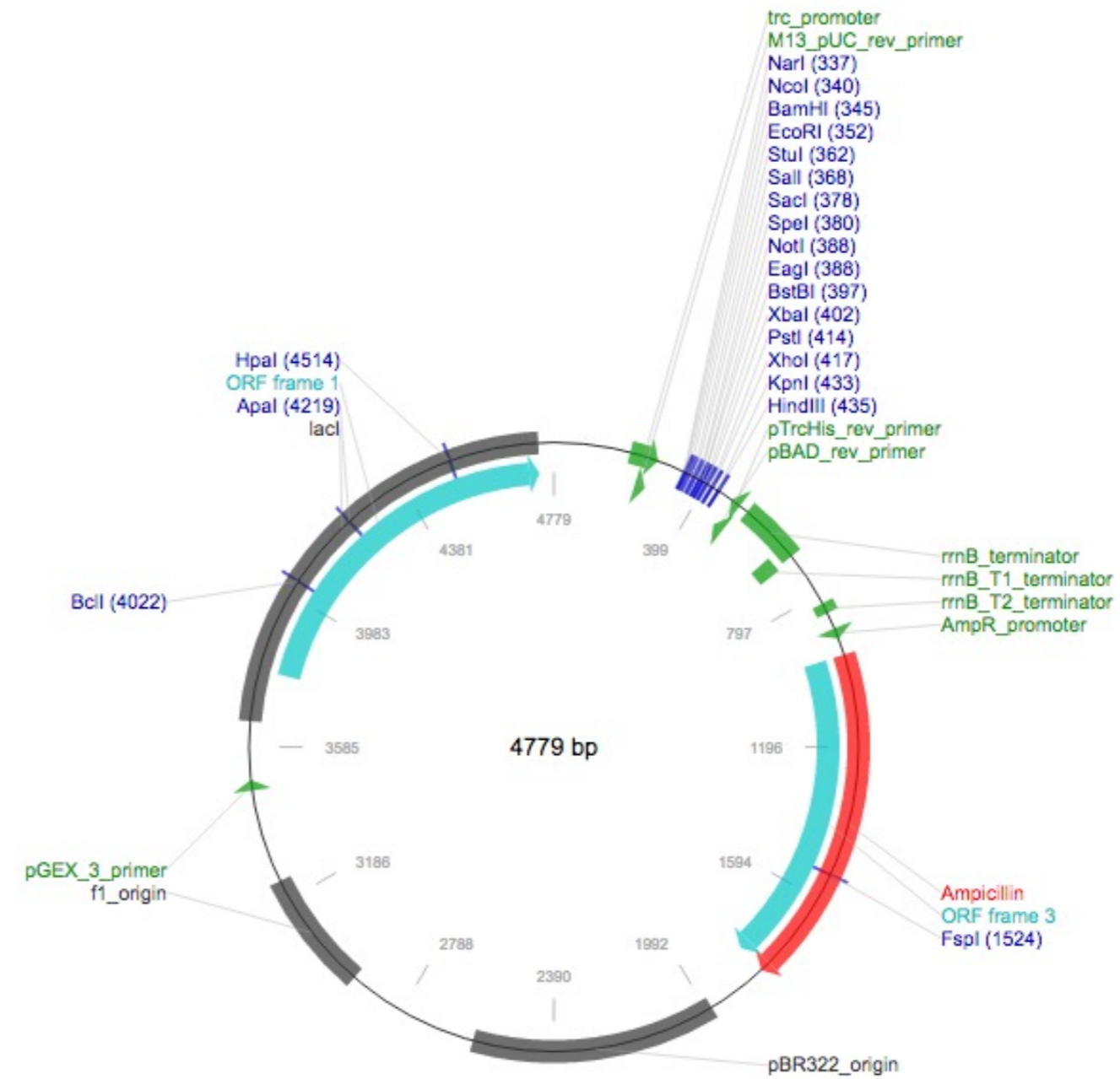
A homodimer for these double mutants should be locked in the CLOSED state.

Reporter gene

Promoter, splice, PolyA trc

Comments

Reference UNPUBLISHED by TSAI lab



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.8.17

Constructed by ABHINAV JOSHI

Date constructed

PLASMID NAME

pcDNA3.1 + TRAP1 MTS +
TRAP1 ΔStrap - HA

bacterial marker	Amp	parent vector	pcDNA3.1 + TRAP1 MTS + HA
vertebrate marker	Neo (G418)	bacterial plasmid	pUC
eukaryotic replicon	SV40 ori	other relevant source constructs	plasmid no. 2801, pcDNA3.1 + HA, plasmid no. 2816, pcDNA3.1 + TRAP1 MTS + HA(ref seq)

Inserts This plasmid has an N terminal ΔStrap TRAP1 seq. inserted into the Xho1 site following the the TRAP1 MTS in the 5' EcoR1 site.
The delta strap TRAP1 is followed by an HA tag at the 3' end.

ΔStrap TRAP1 has 30 fold increased ATPase activity.

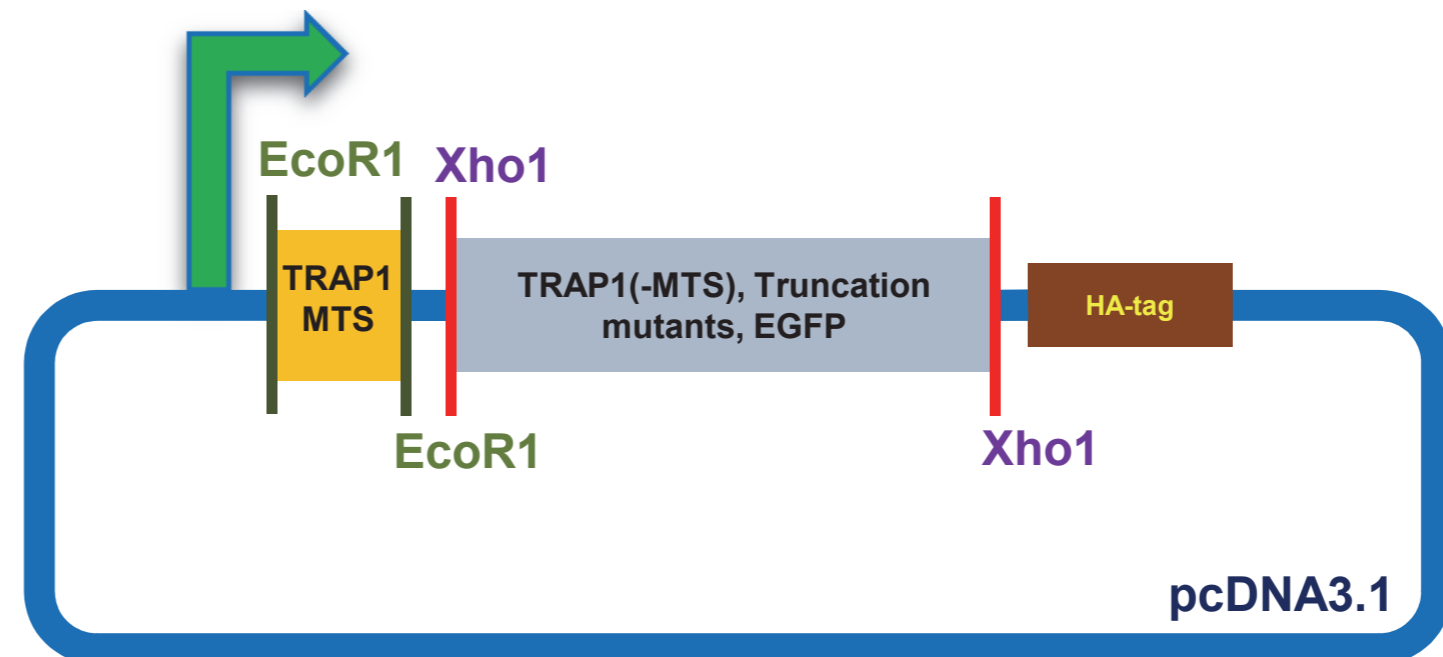
Reporter gene

Promoter, splice, PolyA CMV,
bGH polyA

Comments >>> ΔStrap TRAP1 has 30 fold increased ATPase activity.

>>> VERY GOOD FOR IP WITH HA.11 Ab

Reference Joshi et al. (2020) BMC Biol. 18, 10.



mitoEGFP, TRAP1, TRAP1 E115A/R402A, TRAP1 ΔStrap, N



TRAP1-FLAG, TRAP1 D158N-FLAG

DIDIER PICARD LAB, University of Geneva

Construct number 2820

Date entered 9.8.17

Constructed by Abhinav Joshi

Date constructed

PLASMID NAME

pcDNA3.1 + TRAP1 MTS + TRAP1 E115A/R402A + HA

bacterial marker	Amp	parent vector	pcDNA3.1 + TRAP1 MTS + HA
vertebrate marker	Neo (G418)	bacterial plasmid	pUC
eukaryotic replicon	SV40 ori	other relevant source constructs	plasmid no. 2801, pcDNA3.1 + HA, plasmid no. 2816, pcDNA3.1 + TRAP1 MTS + HA(ref. seq.), plasmid no. 2818 hTRAP1 E115A/R402A

Inserts This plasmid has a TRAP1 E115A / R402A double mutant seq. inserted into the Xho1 site following the the TRAP1 MTS in the 5' EcoR1 site.

The mutant TRAP1 is followed by an HA tag at the 3' end.

E115A impairs ATP hydrolysis but not ATP binding.

R402A breaks gamma phosphate contacts.

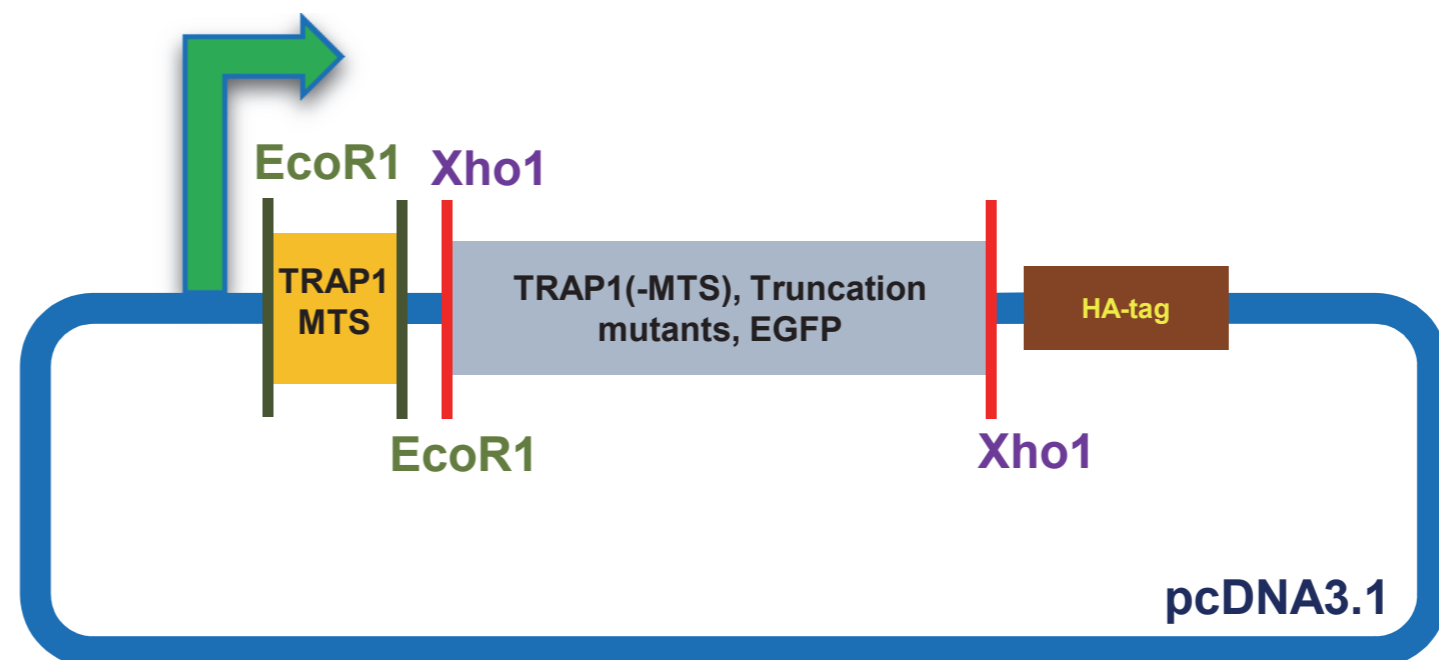
Reporter gene A homodimer for these double mutants should be locked in the CLOSED state.

Promoter, splice, PolyA
 CMV,
 bGH PolyA

Comments
 >>> E115A impairs ATP hydrolysis but not ATP binding.
 >>> R402A breaks gamma phosphate contacts.

>>> VERY GOOD FOR IP WITH HA.11 Ab

Reference Joshi et al. (2020) BMC Biol. 18, 10.



mitoEGFP, TRAP1, TRAP1 E115A/R402A, TRAP1 ΔStrap, N



TRAP1-FLAG, TRAP1 D158N-FLAG

Construct number 2822

Date entered 9.8.17

Constructed by Dorus Gadella

Date constructed

PLASMID NAME

pLifeAct-mTurquoise2 (#36201 - addgene)

Created with SnapGene®

bacterial marker Kan	parent vector pmTurquoise2-N1
vertebrate marker Neo (G418)	bacterial plasmid
other relevant source constructs	

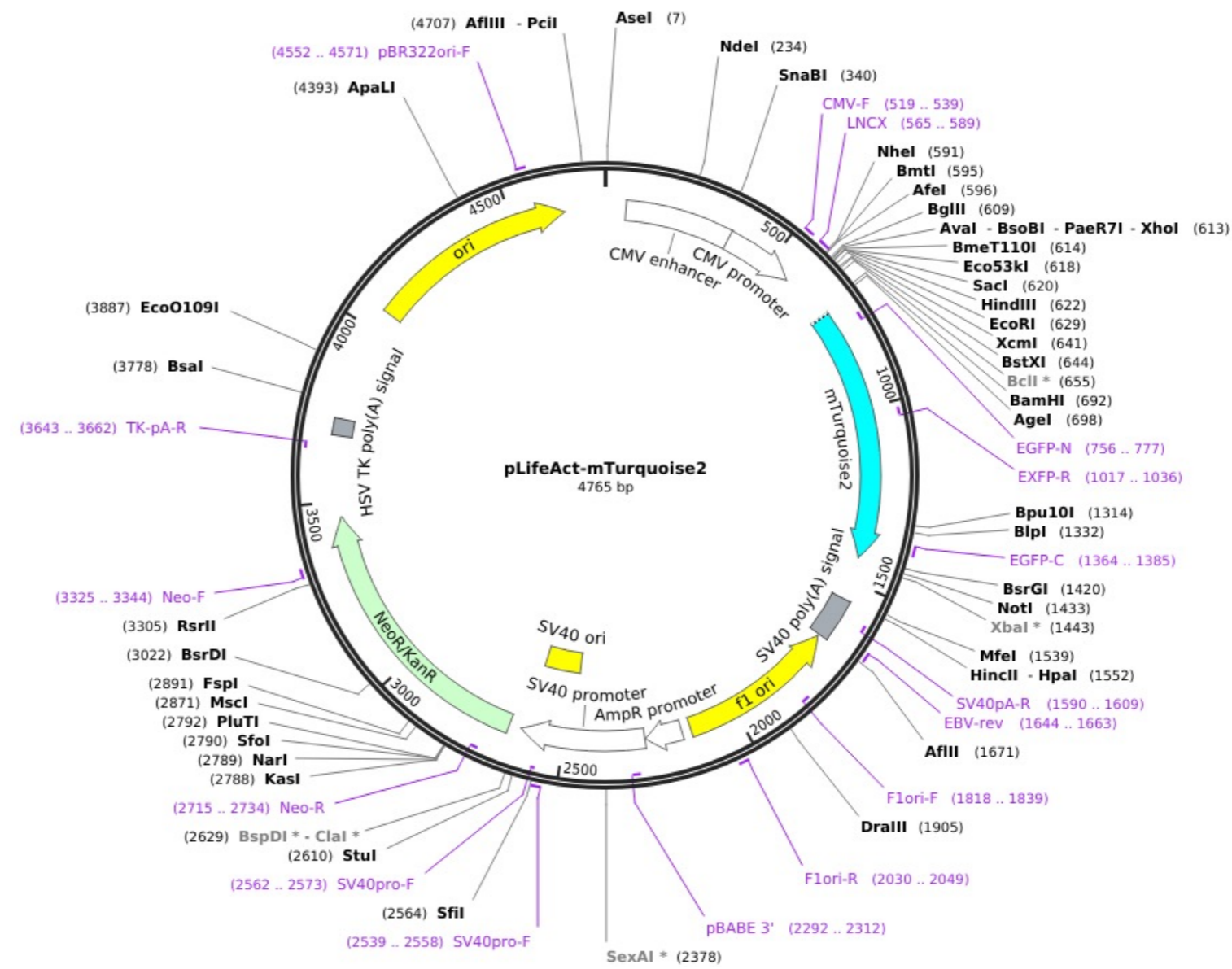
Inserts LifeAct, overexpresses fluorescent actin

Reporter gene

Promoter, splice, PolyA CMV

Comments can be used to overexpress actin and observe cytoskeletal organization (Plasmid #36201) - addgene

Reference Goedhart et al Nat Commun. 2012 Mar 20;3:751. doi: 10.1038/ncomms1738



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 9.8.17

Constructed by Abhinav Joshi

Date constructed

PLASMID NAME

pcDNA3.1 + TRAP1 MTS + TRAP1 + HA

bacterial marker Amp	parent vector pcDNA3.1 + TRAP1 MTS + HA
vertebrate marker Neo (G418)	bacterial plasmid pUC
eukaryotic replicon SV40 ori	other relevant source constructs plasmid no. 2801 - pcDNA3.1 + HA, plasmid no. 2816 - pcDNA3.1 + TRAP1 MTS + HA, plasmid no. 1660 - TRAP1.EGFP

Inserts This plasmid has a full length TRAP1 seq. (-MTS) inserted into the Xho1 site following the the TRAP1 MTS in the 5' EcoR1 site.
The TRAP1 sequence is followed by an HA tag at the 3' end.

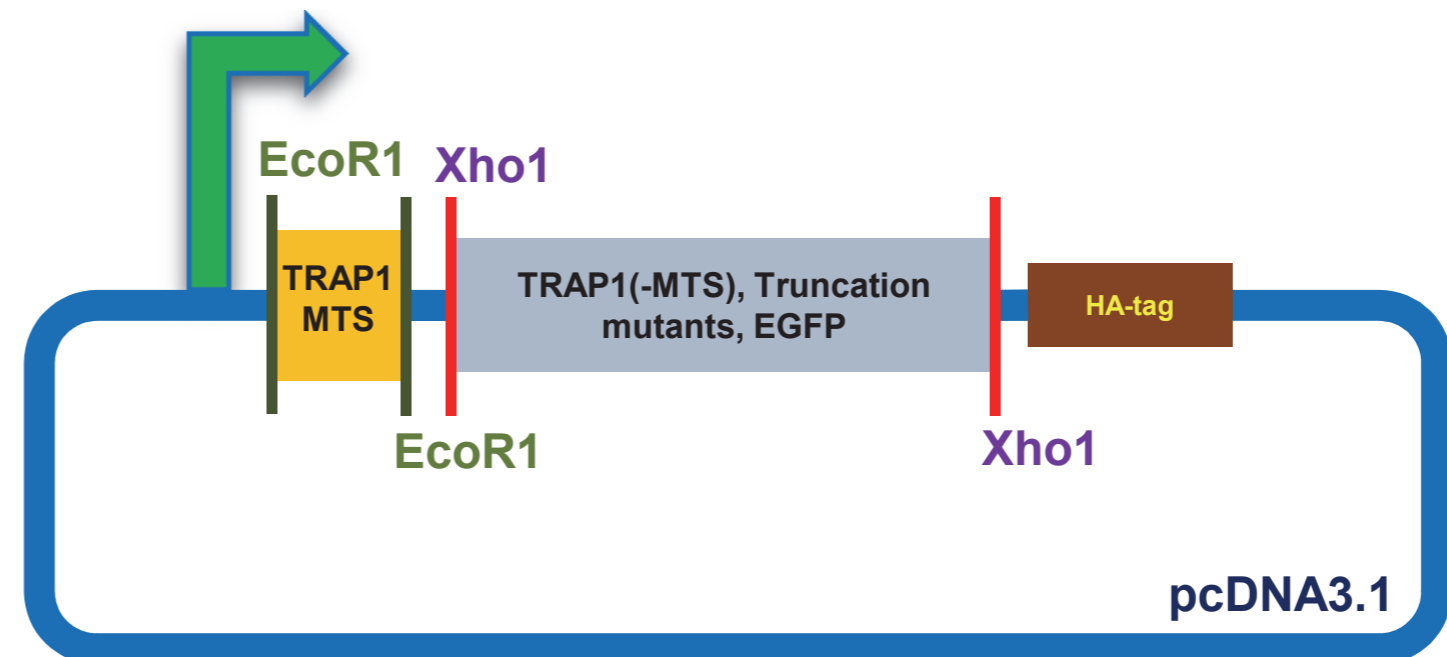
Reporter gene

Promoter, splice, PolyA CMV,
bGH polyA

Comments Expresses full length TRAP1

>>> VERY GOOD FOR IP WITH HA.11 Ab

Reference Joshi et al. (2020) BMC Biol. 18, 10.



mitoEGFP, TRAP1, TRAP1 E115A/R402A, TRAP1 ΔStrap, N



TRAP1-FLAG, TRAP1 D158N-FLAG

Construct number 2824

Date entered 9.8.17

Constructed by Mikhail Alexeyev

Date constructed

PLASMID NAME

pMA4008

bacterial marker Amp

parent vector pMA898

bacterial plasmid

other relevant source constructs

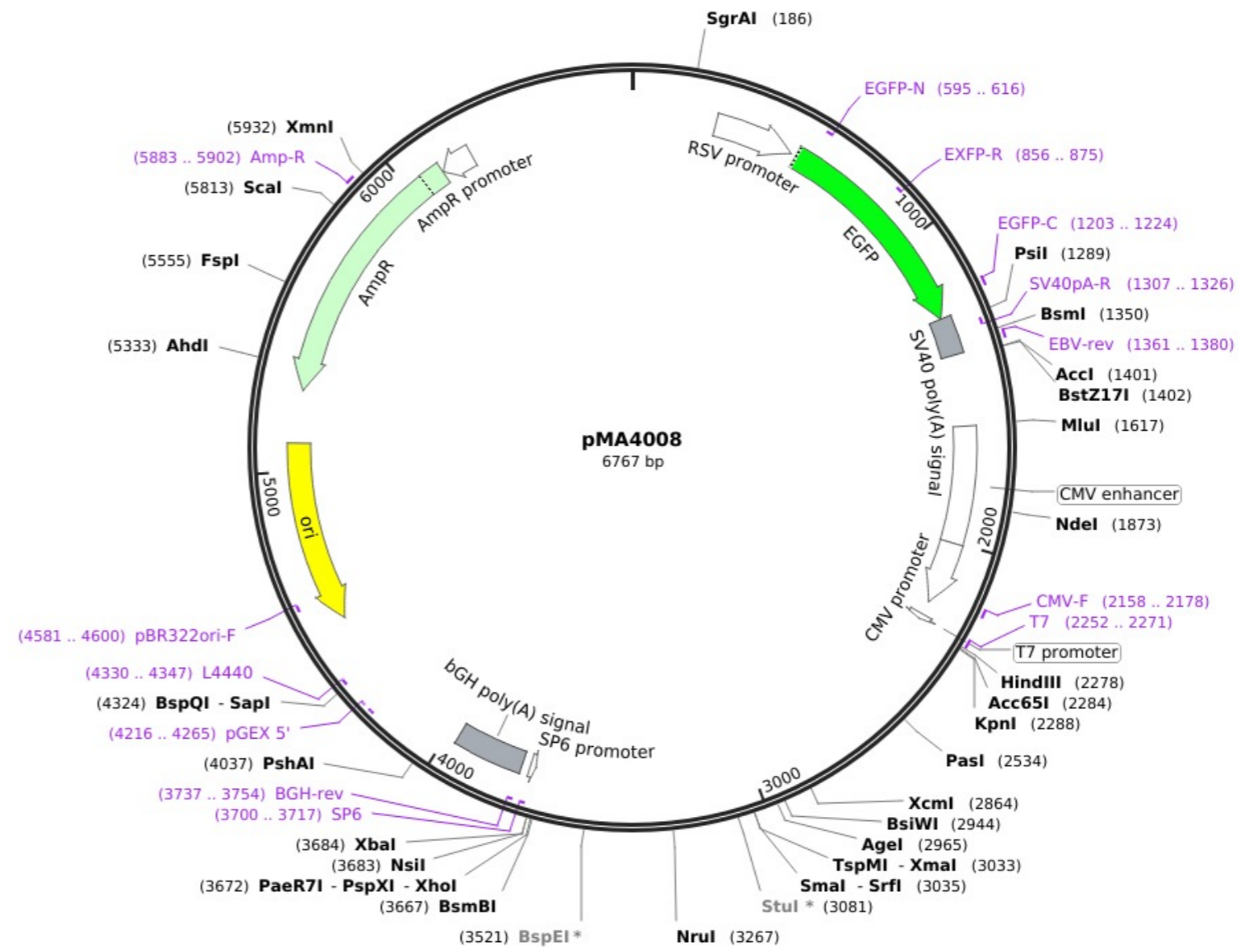
Inserts Herpes simplex virus UL12.5M185 for mtDNA destruction / production of rho-0 cells

Reporter gene EGFP

Promoter, splice, PolyA RSV for GFP, CMV for UL12.5M185

Comments - this construct is used for mtDNA destruction/production of rho0 cells
- sequence available
- Plasmid #70109 from Addgene

Reference Spadafora et al PLoS One. 2016 May 2;11(5):e0154684. doi: 10.1371/journal.pone.0154684. eCollection 2016.



Construct number
Constructed by Biolabs/NEB

Date entered 29.8.17
Date constructed

PLASMID NAME

pSNAPf

<u>bacterial marker</u> Amp	<u>parent vector</u>
	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>

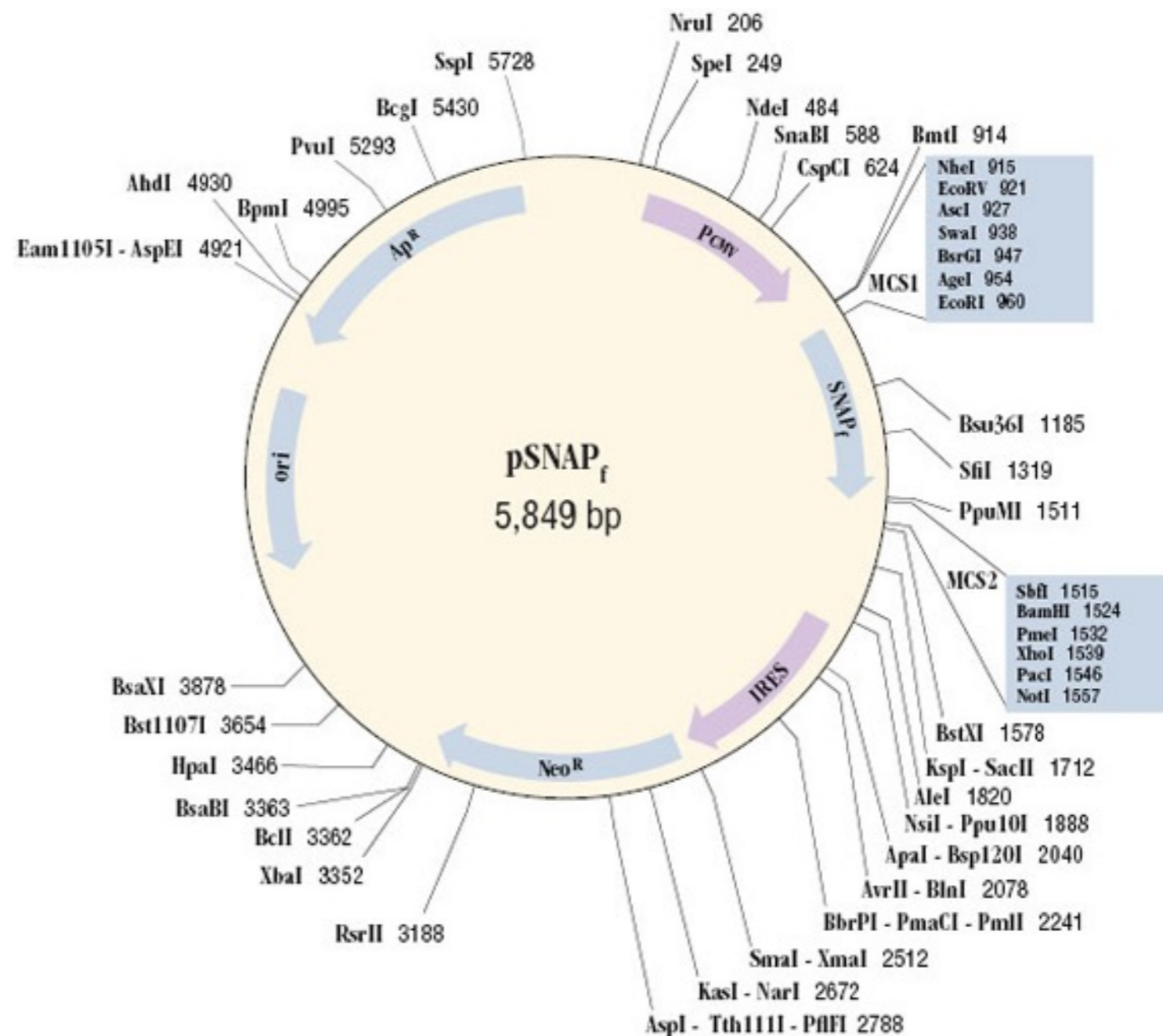
Inserts Mammalian expression vector that encodes a SNAP-tag protein

Reporter gene

Promoter, splice, PolyA CMV promoter
IRES

Comments See in "Maps" folder the cloning region

Reference



Construct number
Constructed by Biolabs/NEB

Date entered 29.8.17
Date constructed

PLASMID NAME

pSNAP-tagT7-2

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

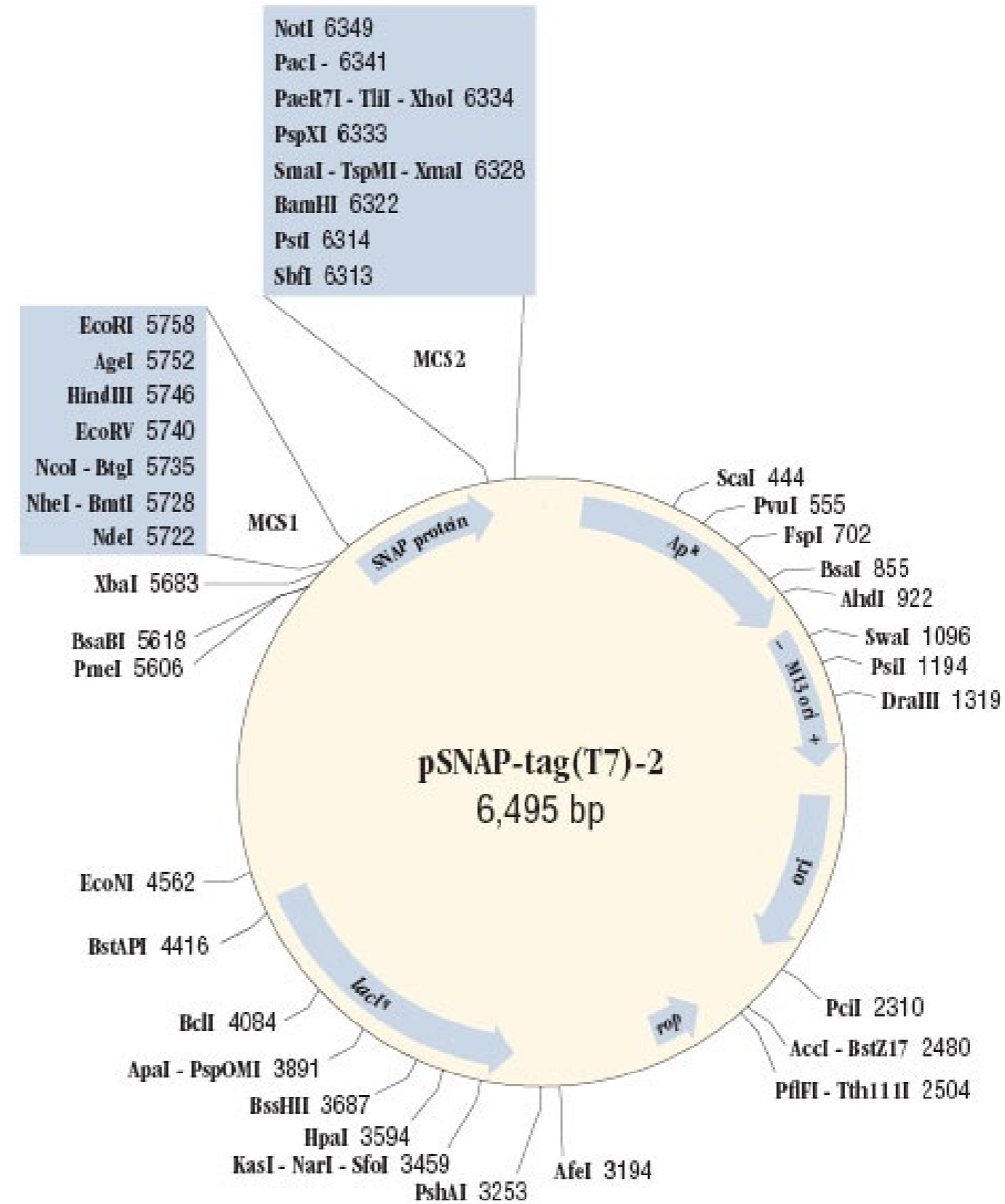
Inserts E.coli expression plasmids that encodes the SNAP-tag protein (20 kDa).

Reporter gene

Promoter, splice, PolyA T7 promoter

Comments See in "Maps" folder the cloning region

Reference



Construct number

2827

Date entered

14.11.17

Constructed by

Daniela Barilà's lab

Date constructed

11/2017

PLASMID NAME

p2U/hHsp90 β T297A

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U/hHsp90 β

bacterial plasmid

BS

other relevant source constructs

Inserts human Hsp90 β with T297A point mutant

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments

Reference

Construct number

2828

Date entered

14.11.17

Constructed by

Daniela Barilà's lab

Date constructed

11/2017

PLASMID NAME

p2U/hHsp90 β T297D

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

p2U/hHsp90 β

bacterial plasmid

BS

other relevant source constructs

Inserts human Hsp90 β with T297D point mutant

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments

Reference

Construct number 2829

Date entered 14.11.17

Constructed by Daniela Barilà's lab

Date constructed 11/2017

PLASMID NAME

p2U/Hsp82 T285A

bacterial marker Amp

parent vector

p2U/hsp82

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

yeast marker URA3

eucaryotic replicon 2 μ circle

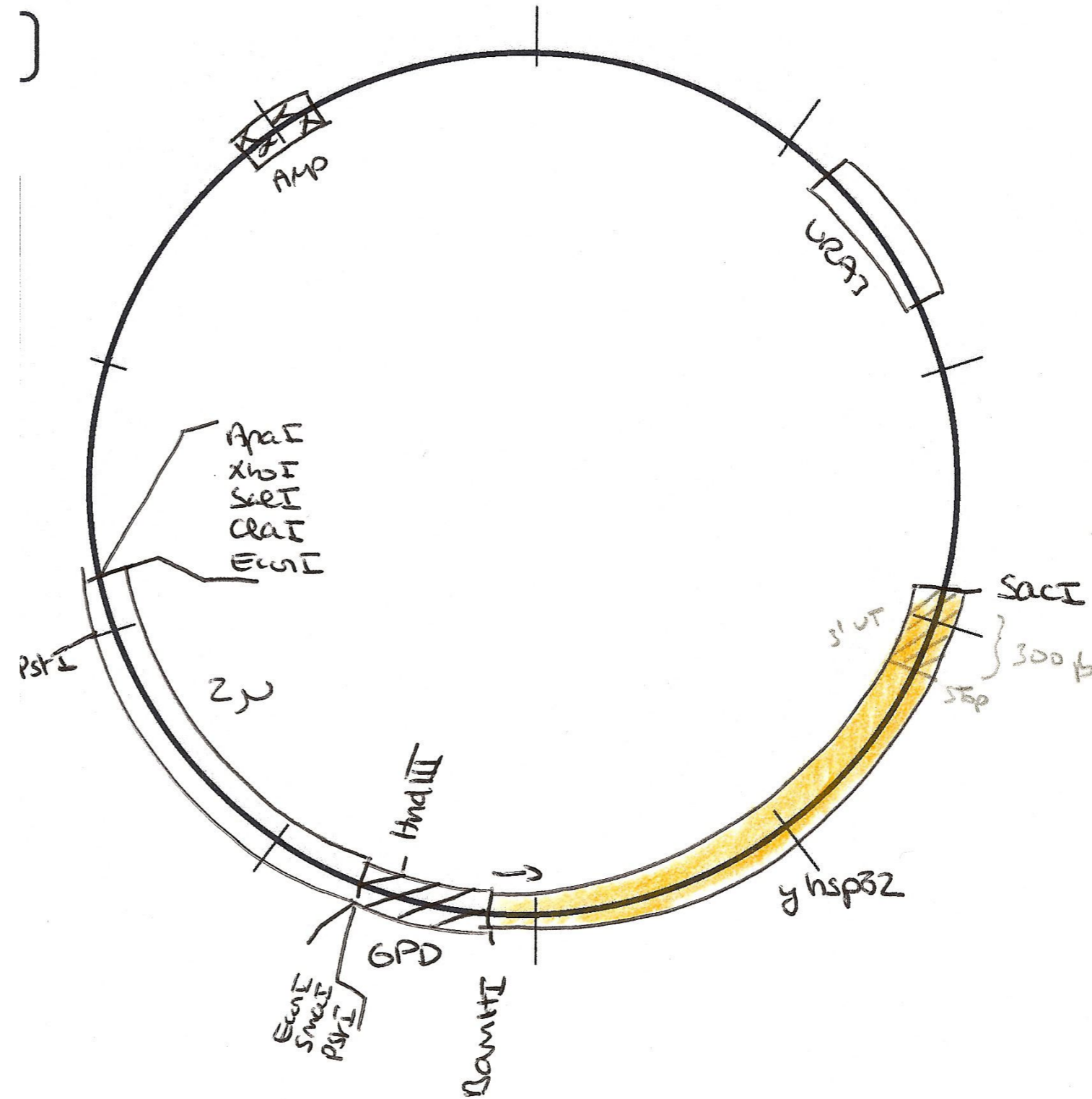
Inserts yeast Hsp82 with T285A point mutant

Reporter gene

Promoter, splice, PolyA GPD

Comments

Reference for parent vector: Louvion, J.-F., Warth, R. & Picard, D. (1996). Proc. Natl. Acad. Sci. USA, 93, 13937-13942.



Construct number 2830

Date entered 14.11.17

Constructed by Daniela Barilà's lab

Date constructed 11/2017

PLASMID NAME

p2U/Hsp82 T285D

bacterial marker Amp

parent vector

p2U/hsp82

bacterial plasmid

pBLUESCRIPT

other relevant source constructs

yeast marker URA3

eucaryotic replicon 2 μ circle

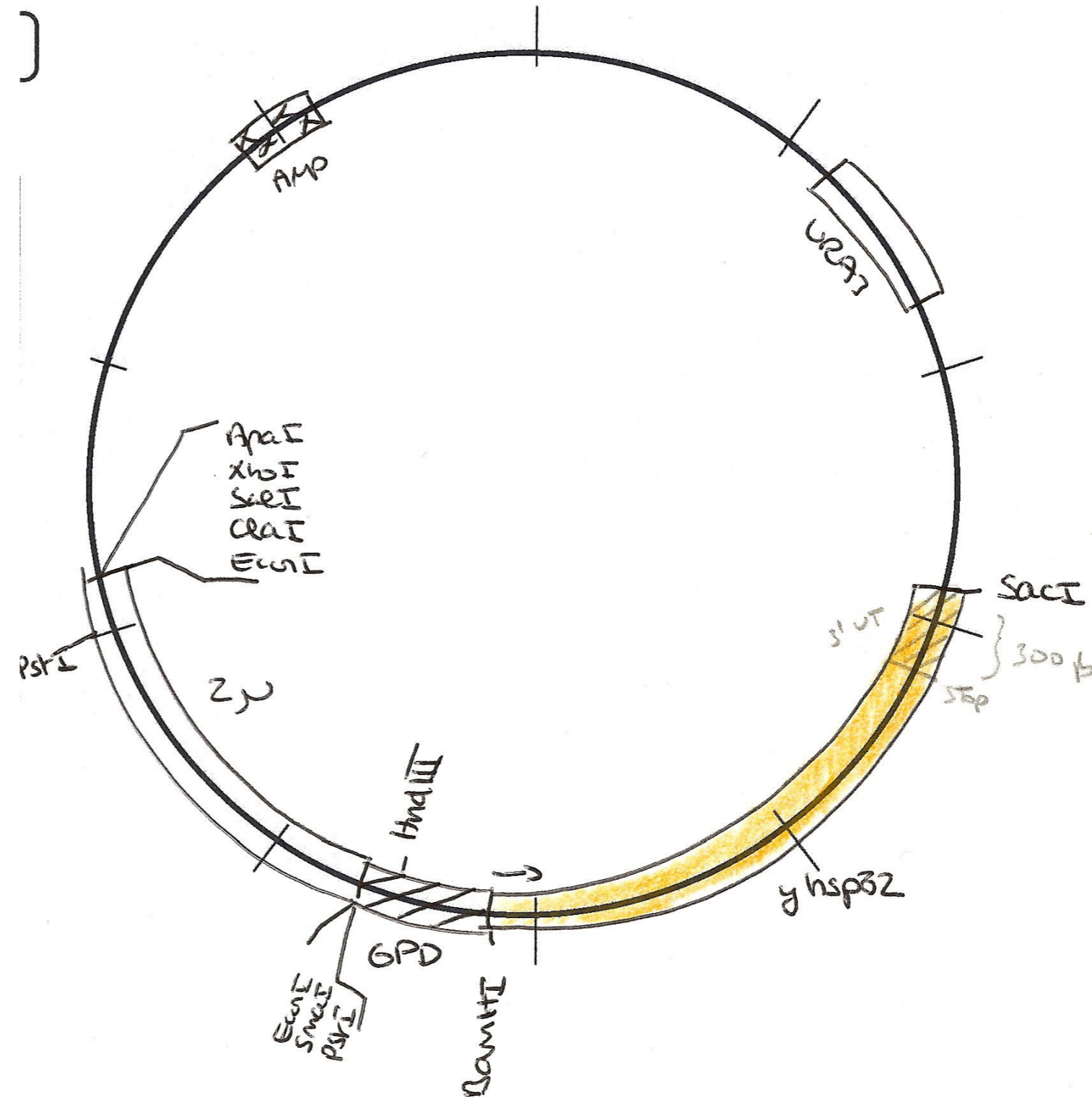
Inserts yeast Hsp82 with T285D point mutant

Reporter gene

Promoter, splice, PolyA GPD

Comments

Reference for parent vector: Louvion, J.-F., Warth, R. & Picard, D. (1996). Proc. Natl. Acad. Sci. USA, 93, 13937-13942.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.12.17

Constructed by Lilia Bernasconi

Date constructed 12/2017

PLASMID NAME

pcDNA/Myc

bacterial marker Amp	parent vector pcDNA3.1(+)
vertebrate marker Neo (G418)	bacterial plasmid pUC
eucaryotic replicon SV40 ori	other relevant source constructs

Inserts N-terminal Myc tag

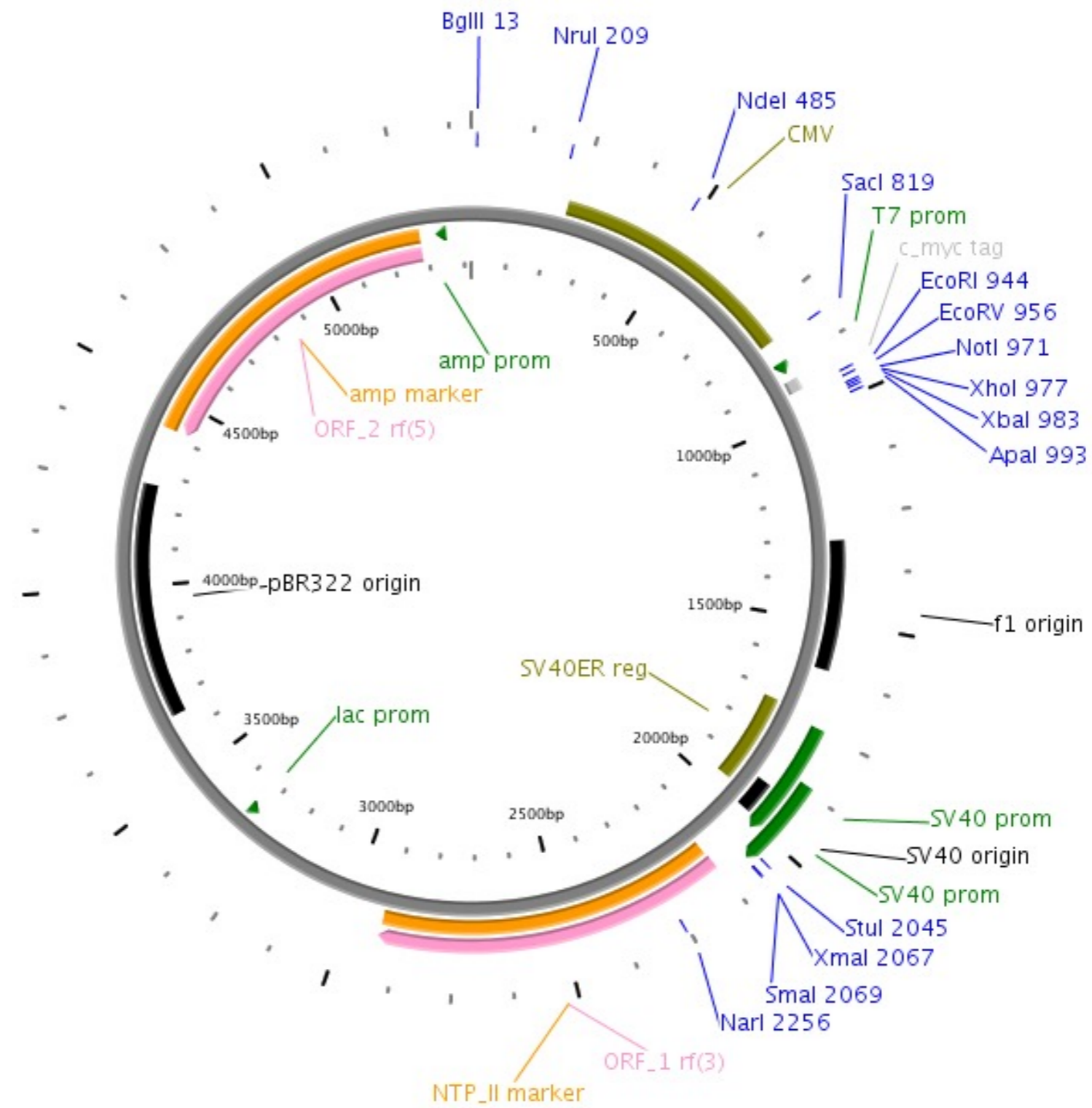
Reporter gene

Promoter, splice, PolyA

- CMV enhancer/promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 2832

Date entered 7.12.17

Constructed by Lilia Bernasconi

Date constructed 12/2017

PLASMID NAME

pcDNA/Myc-p23

<u>bacterial marker</u> Amp	<u>parent vector</u> pcDNA/HA-p23
<u>vertebrate marker</u> Neo (G418)	<u>bacterial plasmid</u> pUC
<u>eucaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

Inserts human p23 with N-terminal Myc tag

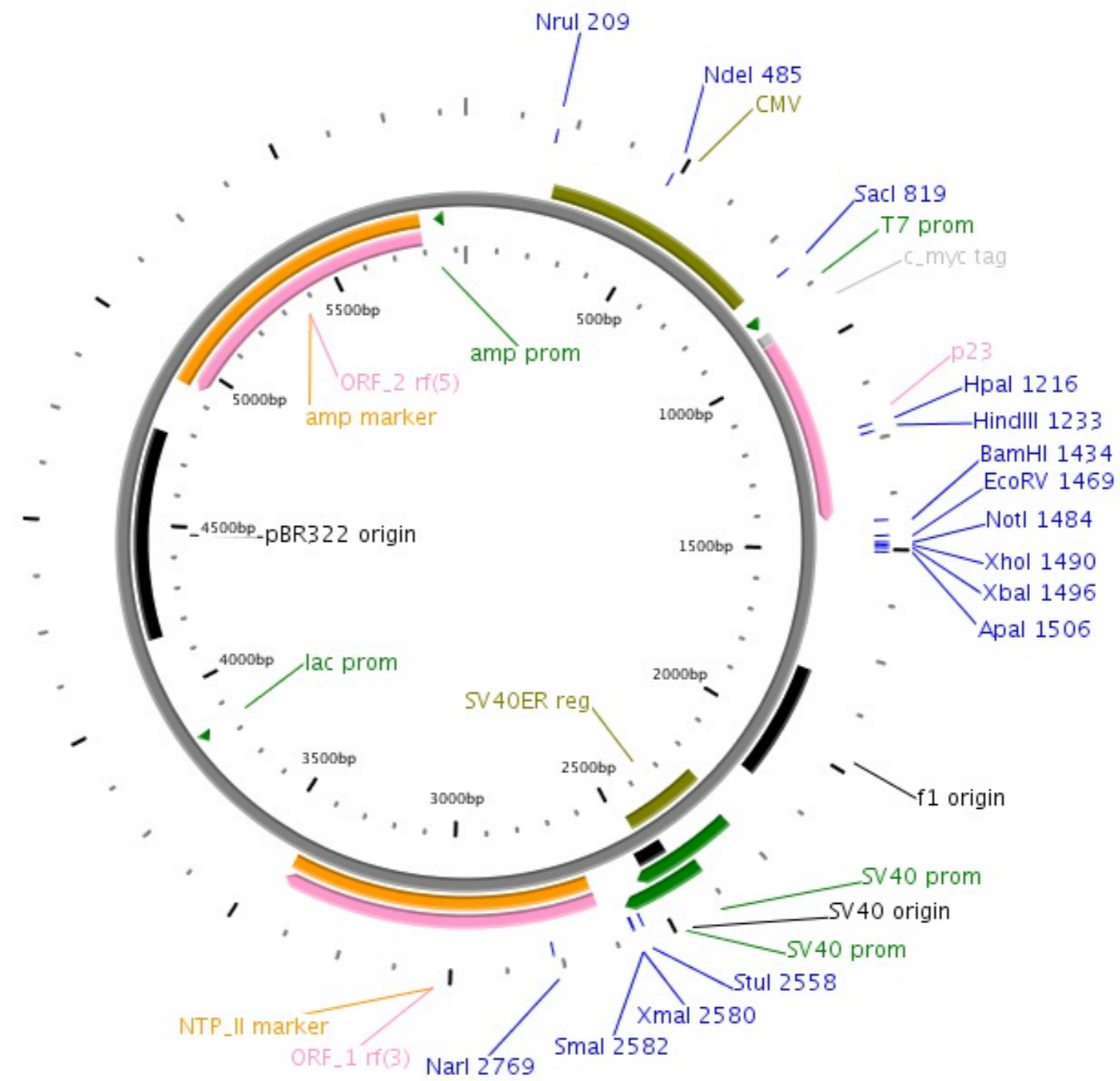
Reporter gene

Promoter,
splice,
PolyA

- CMV enhancer/promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.12.17

Constructed by Lilia Bernasconi

Date constructed 12/2017

PLASMID NAME

pcDNA/Myc-hAARSD1L

bacterial marker Amp	parent vector pcDNA/HA-hAARSD1L
vertebrate marker Neo (G418)	bacterial plasmid pUC
eucaryotic replicon SV40 ori	other relevant source constructs

Inserts Long isoform of human AARSD1 with N-terminal Myc tag

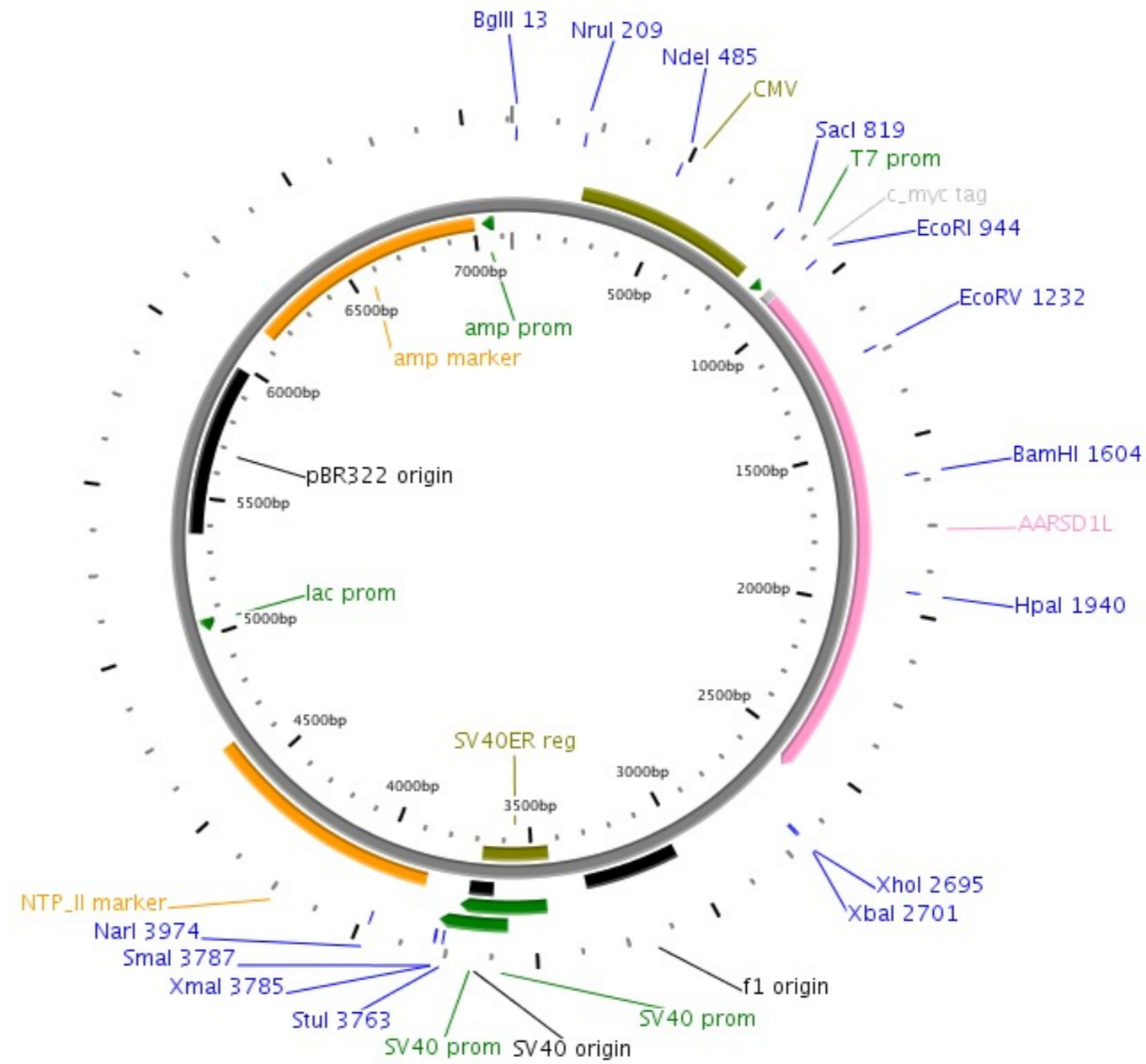
Reporter gene

Promoter, splice, PolyA

- CMV enhancer/promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.3.18

Constructed by Nastaran Ghahhari

Date constructed 20-02-2018

PLASMID NAME

pTRIPz-ΔZF1_ZEB1

bacterial marker Amp

parent vector

pTRIPz

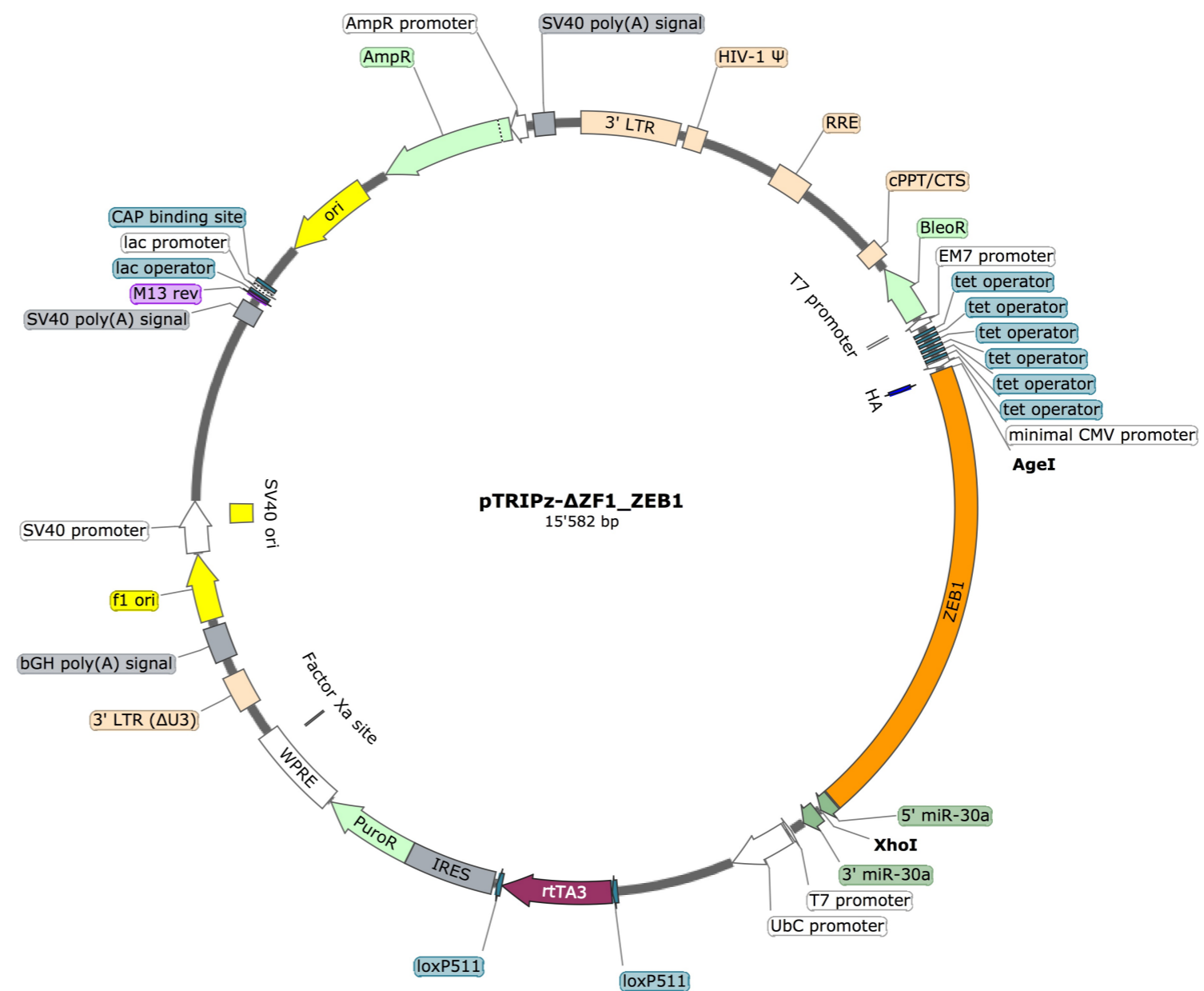
bacterial plasmid

other relevant source constructs

Inserts HA-tagged ZEB1 with zinc finger cluster 1 domain deletion (aa: 150-272) in tet-on system vector. The insert is in a lentiviral vector. Can be used for transient and stable expression. The mutant ZEB1 is expressed in presence of doxycycline (1ug/ul).

Reporter gene

Promoter, - EM7 promoter with multiple copies of Tet operator
splice, - T7
PolyA - T7



Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

2835

Date entered

8.3.18

Constructed by

Nastaran Ghahhari

Date constructed

20-02-2018

PLASMID NAME

pTRIPz- Δ ZF2_ZEB1

bacterial marker Amp

parent vector

pTRIPz

bacterial plasmid

other relevant source constructs

Inserts

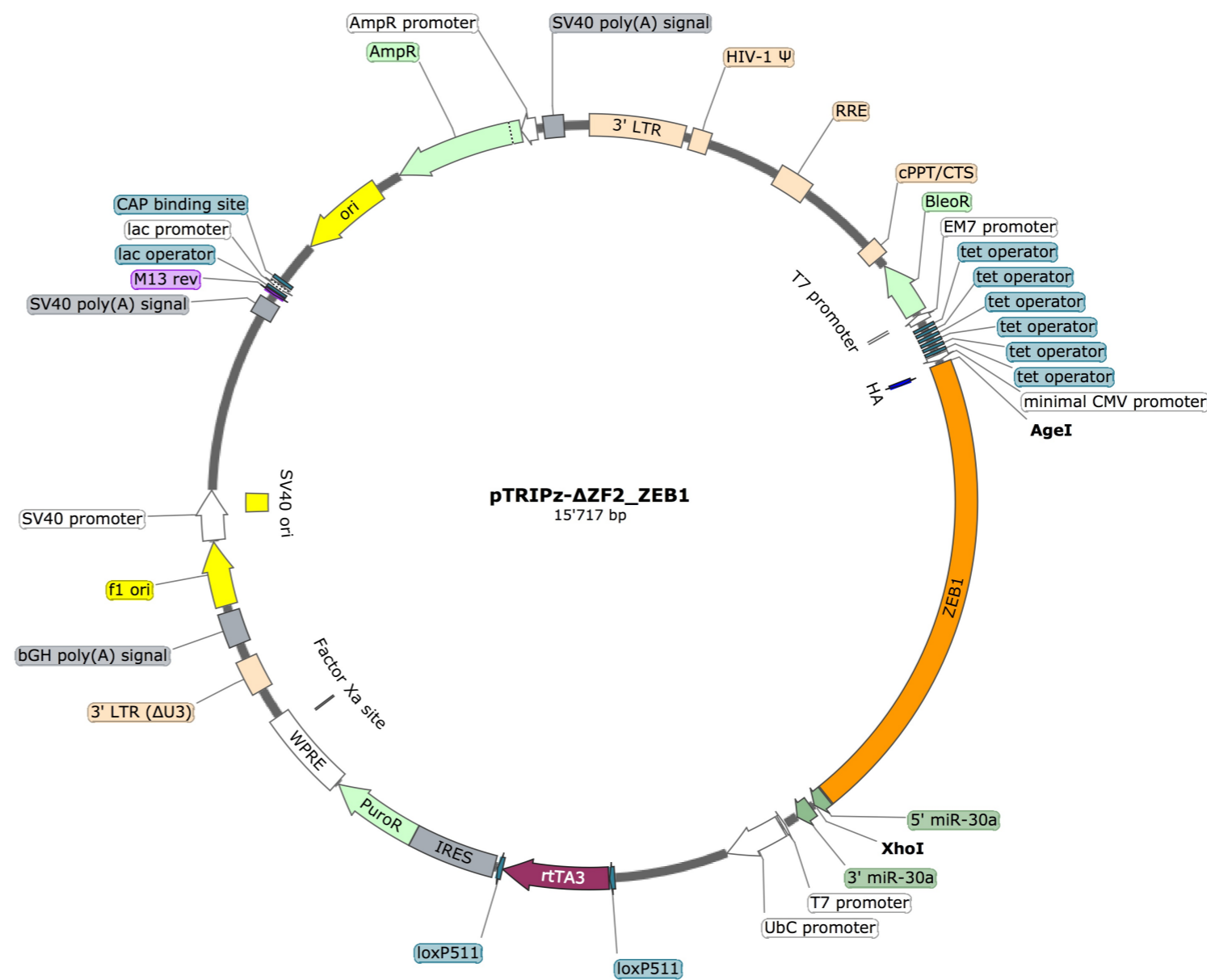
HA-tagged ZEB1 with zinc finger cluster 2 domain deletion (aa: 882-959) in tet-on system vector. The insert is in a lentiviral vector. Can be used for transient and stable expression. The mutant ZEB1 is expressed in presence of doxycycline (1ug/ul).

Reporter gene

Promoter, splice, PolyA - EM7 promoter with multiple copies of Tet operator
- T7

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2836

Date entered

8.3.18

Constructed by

Nastaran Ghahhari

Date constructed

20-02-2018

PLASMID NAME

pTRIPz-ΔZF1/2_ZEB1

bacterial marker Amp

parent vector

pTRIPz

bacterial plasmid

other relevant source constructs

Inserts

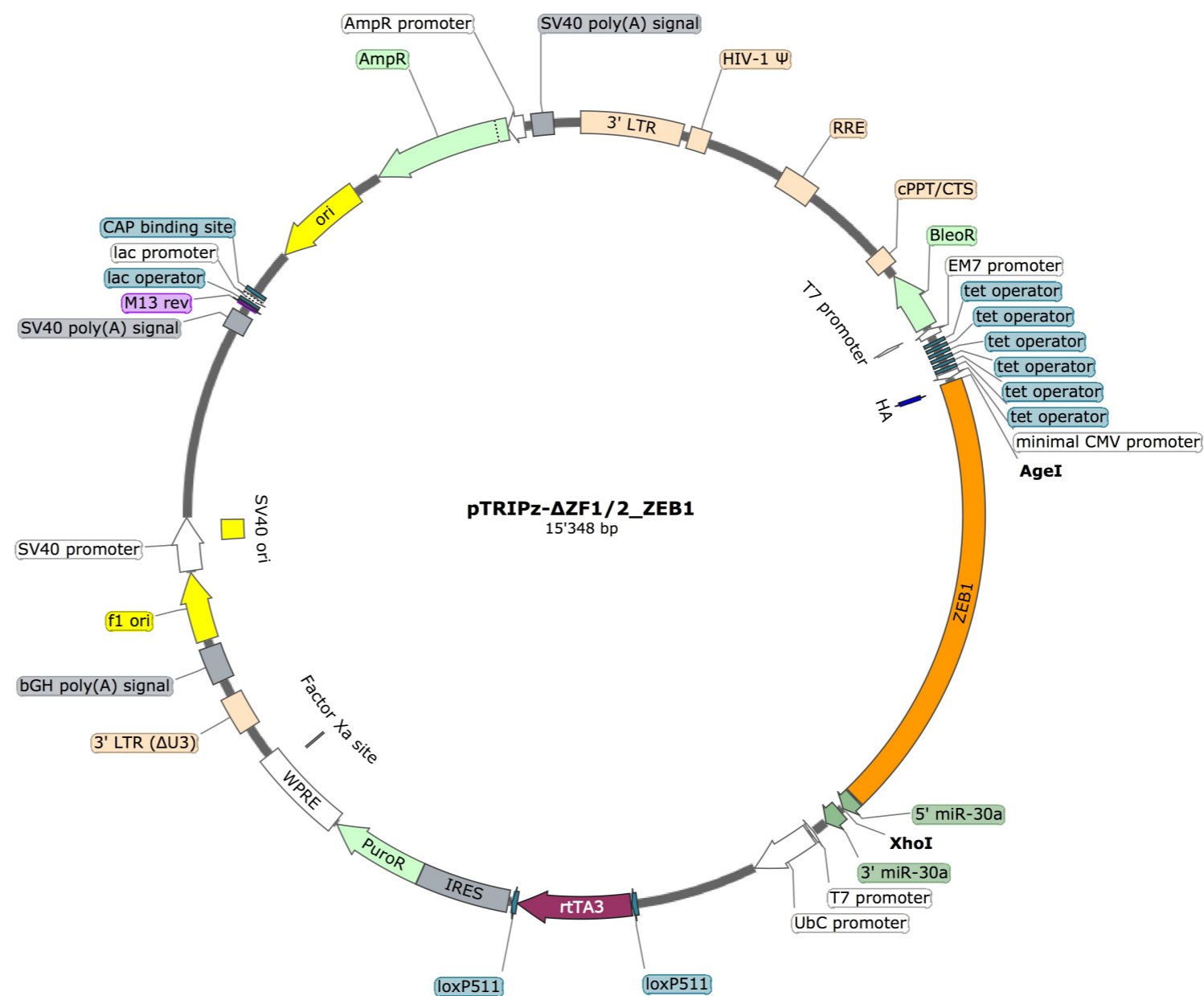
HA-tagged ZEB1 with zinc finger clusters 1 and 2 domains deletion (aa: 150-272 & aa: 882-959) in tet-on system vector. The insert is in a lentiviral vector. Can be used for transient and stable expression. The mutant ZEB1 is expressed in presence of doxycycline (1ug/ul).

Reporter gene

Promoter, splice, PolyA - EM7 promoter with multiple copies of Tet operator
- T7

Comments

Reference



Construct number 2837

Date entered 26.4.18

Constructed by Rizzuto lab, Padova

Date constructed 1999

PLASMID NAME

VR1012-mtLuc

bacterial marker Kan

parent vector
VR1012 (Vical Inc.)

bacterial plasmid

other relevant source constructs

Inserts Firefly luciferase fused to MTS of subunit VIII of human cytochrome c oxidase.

Luciferase insert obtained from plasmid pGL3 basic.

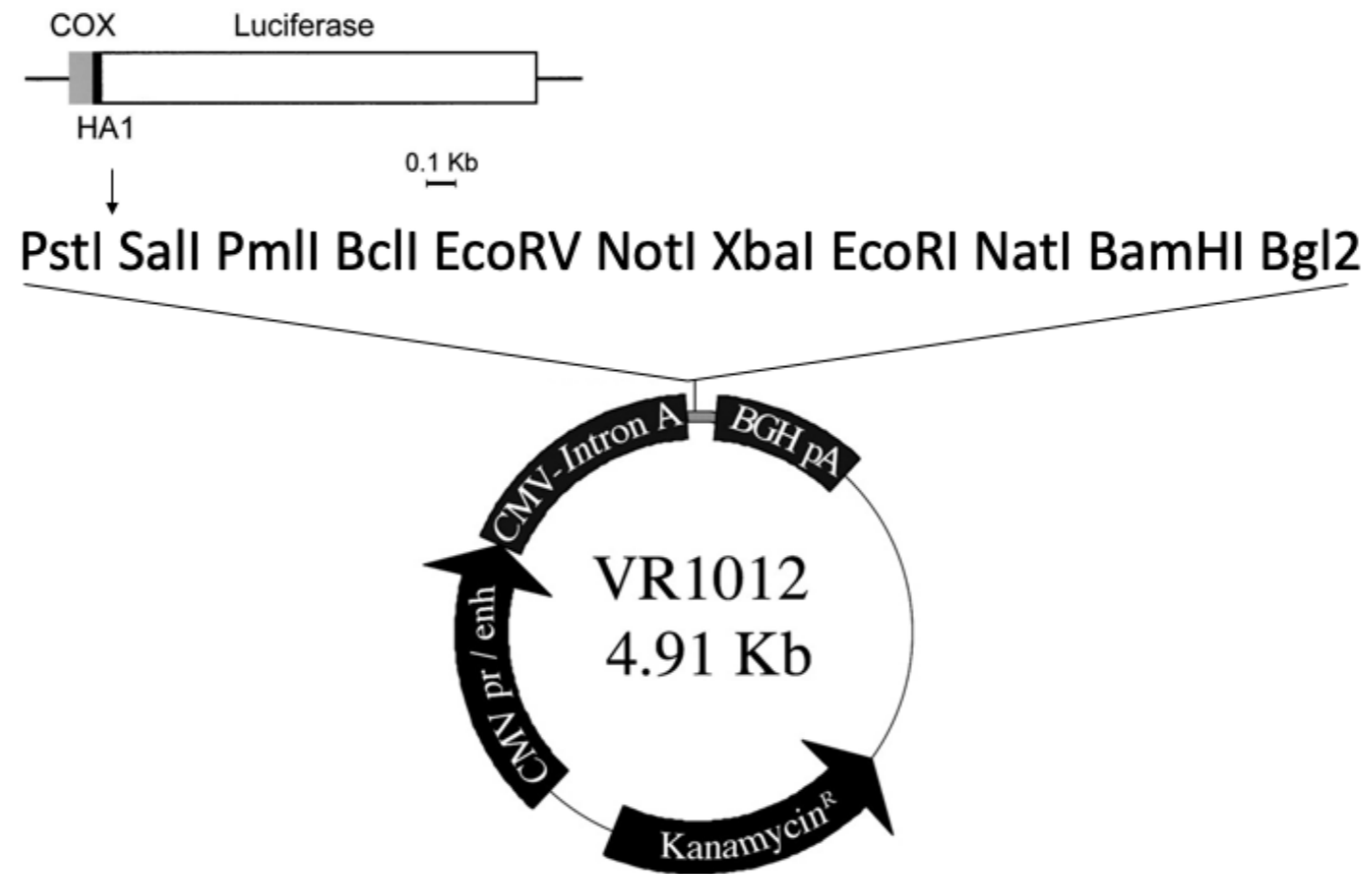
"The final chimeric cDNA, mtLuc, encoded from the N to the C terminus: the 25-aa presequence and the first 8 aa of COX8 mature protein, the 9-aa HA1 epitope tag, and the whole photoprotein. When expressed in HeLa cells, the chimera was properly sorted to the mitochondria, as evident from the immunolocalization presented in Fig. 1"

Reporter gene

Promoter, splice, PolyA
CMV enhancer/promoter

Comments HA tag reported, but damaged and not functional according to our sequencing data.

Reference Jouanville, 1999 (PMID: 10570154)
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC24146/>



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.6.18

Constructed by Melissa Berto

Date constructed 20.5.2015

PLASMID NAME

shCREB1_n1

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts shRNA construct targeting CREB1

Sequence is of hairpin loop is:

CCGG**AAGTATCCATTATTTGTCTCACTCGAGTGAGACAAATAATGGAT**
ACTTTTTTTG

Color Codes: **sense** **loop** **antisense**

Reporter gene

Promoter, human U6 promoter
splice,
PolyA

Comments

Reference Berto et al. (2018) LSA 1, e201800055

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.6.18

Constructed by Melissa Berto

Date constructed 20.5.2015

PLASMID NAME

shCREB1_n2

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts shRNA construct targeting CREB1

Sequence is of hairpin loop is:

CCGGTAGCAGTTGCTTTGTATATTCTCGAGTAATATACAAAGCAAC
TGCTATTTTGG

Color Codes: sense loop antisense

Reporter gene

Promoter, human U6 promoter
splice,
PolyA

Comments

Reference Berto et al. (2018) LSA 1, e201800055

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.6.18

Constructed by Melissa Berto

Date constructed 20.5.2015

PLASMID NAME

shCREB1_n3

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts shRNA construct targeting CREB1

Sequence is of hairpin loop is:

CCGGTGCTGGCTGTCTTTCTGTTAACTCGAGTTAACAGAAAGACAG
CCAGCATTTTTG

Color Codes: sense loop antisense

Reporter gene

Promoter, human U6 promoter
splice,
PolyA

Comments

Reference Berto et al. (2018) LSA 1, e201800055

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.6.18

Constructed by Melissa Berto

Date constructed 20.5.2015

PLASMID NAME

shCREB1_n4

bacterial marker Amp

vertebrate marker Puromycin

parent vector

pLKO.1

bacterial plasmid

other relevant source constructs

Inserts **shRNA construct targeting CREB1**

Sequence is of hairpin loop is:

CCGGATGGCTAGGAGAGGCATTAATCTCGAGATTAATGCCTCTCCT
AGCCATTTTTTG

Color Codes: sense loop antisense

Reporter gene

Promoter,
splice,
PolyA human U6 promoter

Comments

Reference Berto et al. (2018) LSA 1, e201800055

Construct number **2842**
 Constructed by **Addgene**

Date entered **2.7.18**
 Date constructed

PLASMID NAME

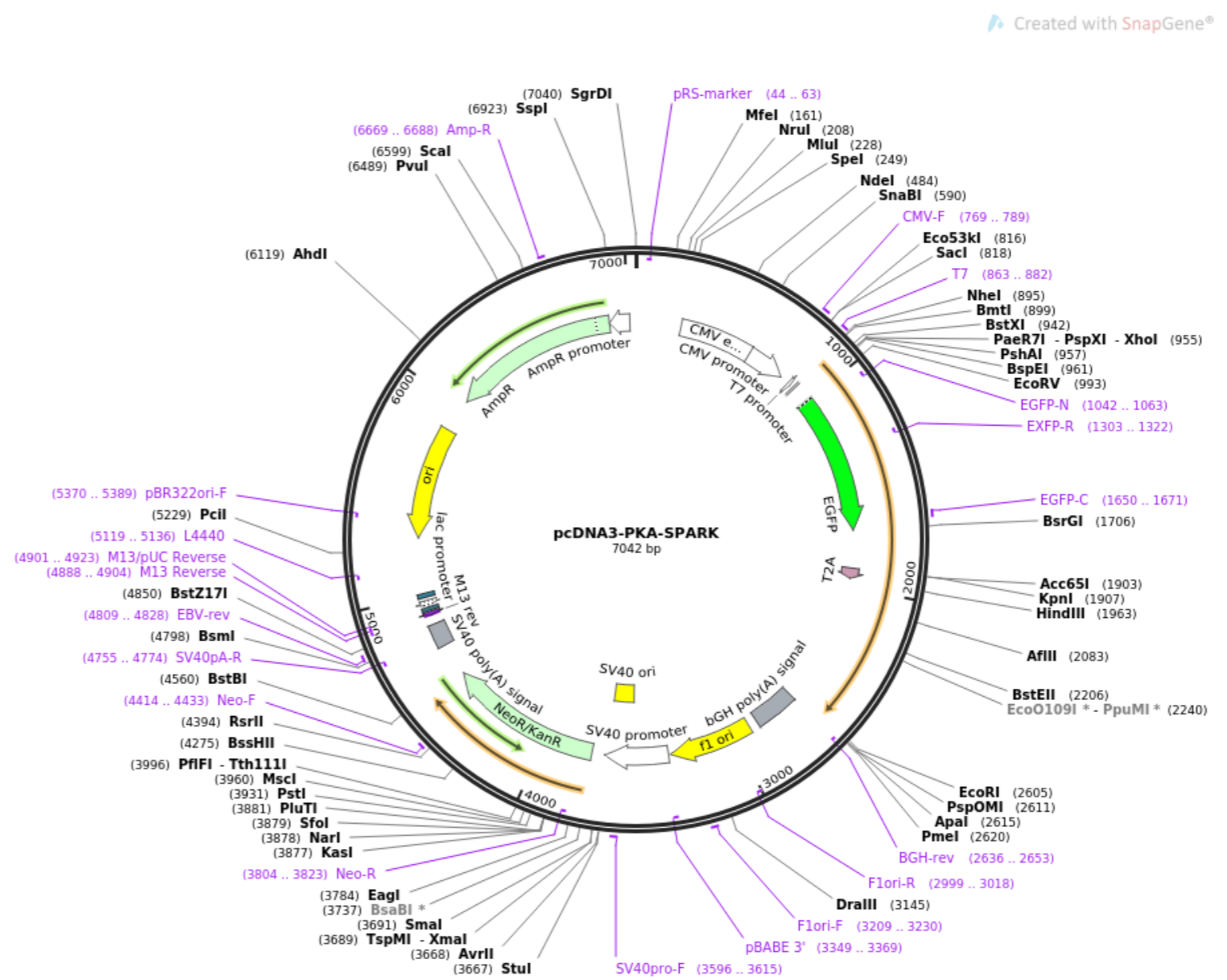
pcDNA3-PKA-SPARK

bacterial marker	Amp	parent vector	pcDNA3
vertebrate marker	Neo (G418)	bacterial plasmid	pUC
eucaryotic replicon	SV40 ori	other relevant source constructs	

Inserts	PKA activity sensor (SPARK): consensus PKA target peptide - EGFP - hexameric homo-oligomeric tag HOTag3 - self-cleaving 2A sequence - phosphothreonine-binding domain of FHA1 - tetrameric homo-oligomeric tag HOTag6
Reporter gene	
Promoter, splice, PolyA	- CMV enhancer/promoter - T7 promoter/priming site - BGH poly A sequence - f1 origin - SV40 early promoter and origin - SV40 early poly A signal - pUC origin

Comments - Addgene ID 106920
 - full name of plasmid: pcDNA3-LRRATLVD-EGFP-HOTag3 2A FHA1-HOTag6
 - sequence available

Reference Zhang et al. (2018) Mol. Cell 69, 334



Created with SnapGene®

Construct number
 Constructed by Addgene

Date entered 2.7.18
 Date constructed

PLASMID NAME

pcDNA3-ERK-SPARK

Created with SnapGene®

bacterial marker Amp	parent vector pcDNA3
vertebrate marker Neo (G418)	bacterial plasmid pUC
eucaryotic replicon SV40 ori	other relevant source constructs

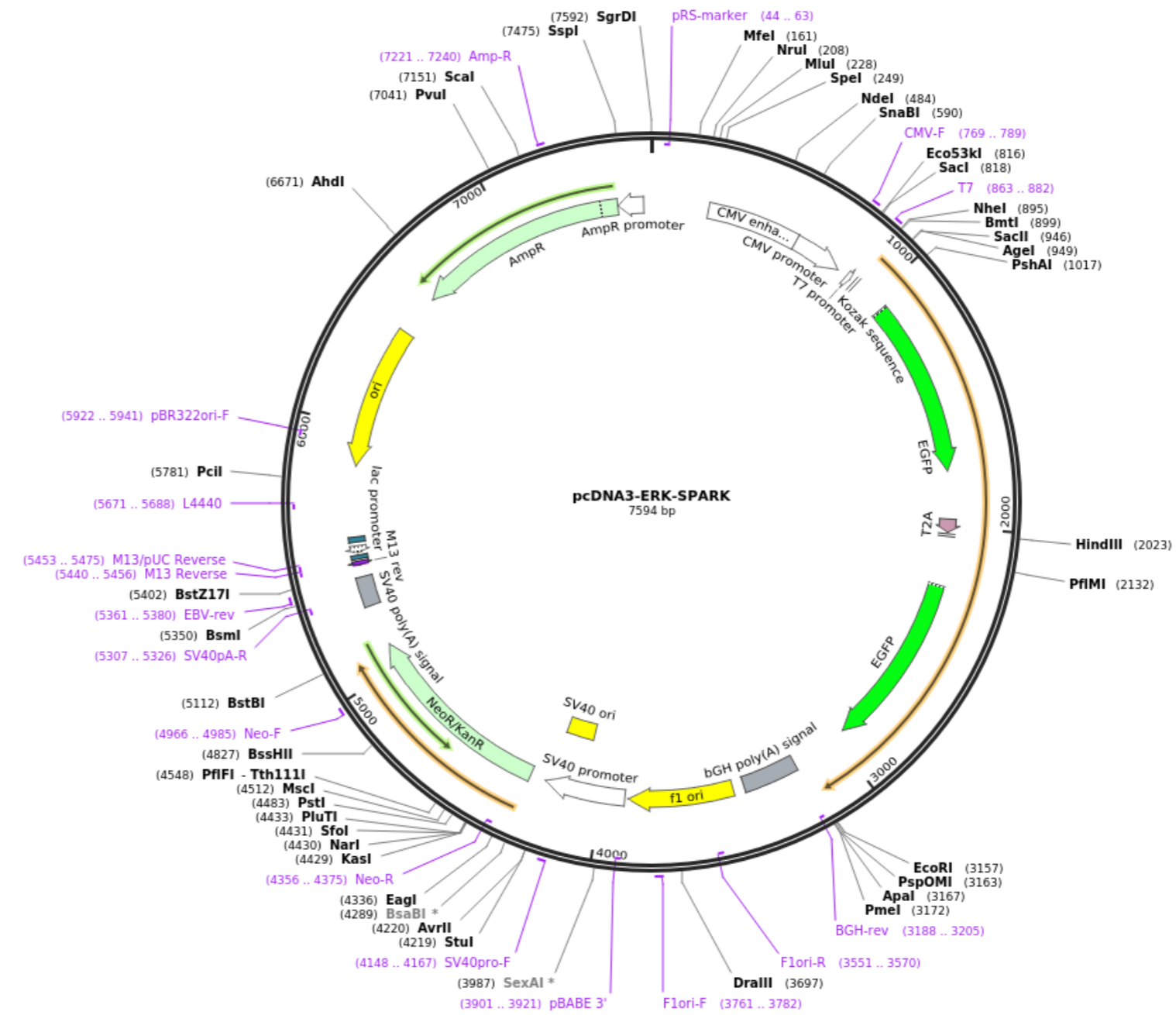
Inserts ERK activity sensor (SPARK):
 ERK target from Cdc25C and docking site - EGFP - hexameric homo-oligomeric tag HOTag3 - self-cleaving 2A sequence - WW domain - EGFP - tetrameric homo-oligomeric tag HOTag6

Reporter gene

- Promoter, splice, PolyA**
- CMV enhancer/promoter
 - T7 promoter/priming site
 - BGH poly A sequence
 - f1 origin
 - SV40 early promoter and origin
 - SV40 early poly A signal
 - pUC origin

Comments - Addgene ID 106921
 - full name of plasmid: pcDNA3-PDVPRTTPVDKAKLSFQFP-EGFP-HOTag3 2A WW-EGFP-HOTag6
 - sequence available

Reference Zhang et al. (2018) Mol. Cell 69, 334



DIDIER PICARD LAB, University of Geneva

Construct number 2844

Date entered 5.7.18

Constructed by Stacey Mattison

Date constructed June 2018

PLASMID NAME

pcDNA3.1-FLAG

bacterial marker Amp

Neo (G418)

parent vector pcDNA3.1(+)

bacterial plasmid pUC

other relevant source constructs

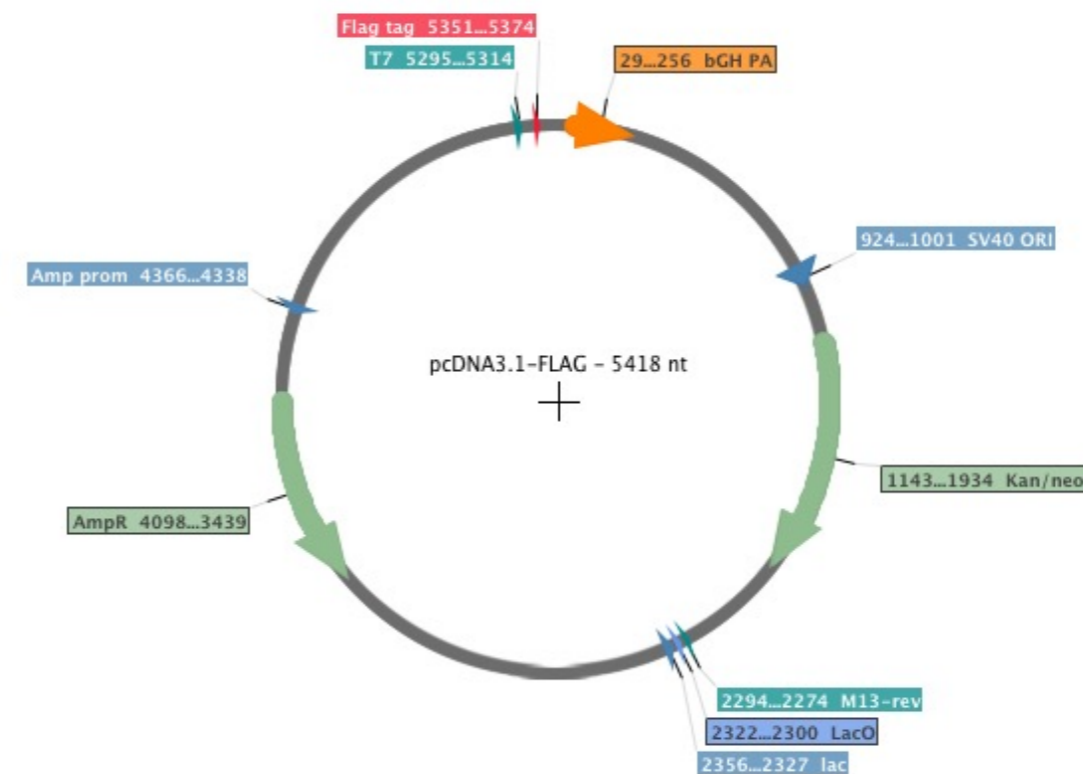
Inserts Flag tag

Reporter gene

Promoter, - CMV promoter
splice, - T7 Promoter binding site/ priming site
PolyA - BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early polyA signal
- pUC origin

Comments Generated from plasmid 3636 (Flag-Ha-Hsp90alpha in pcDNA3.1(+) backbone).

Reference



Construct number

2845

Date entered

19.7.18

Constructed by

Len Neckers' lab

Date constructed

PLASMID NAME

pcDNA-FLAG-HSP90 α

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA

bacterial plasmid

pUC

other relevant source constructs

Inserts

Flag-tagged wild-type human Hsp90 α

Reporter gene

Promoter,
splice,
PolyA

- CMV enhancer/promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments

Reference Kijima et al. (2018) Sci. Rep. 8, 6976

Construct number

2846

Date entered

19.7.18

Constructed by

Len Neckers' lab

Date constructed

PLASMID NAME

pcDNA-FLAG-HSP90 β

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA

bacterial plasmid

pUC

other relevant source constructs

Inserts Flag-tagged wild-type human Hsp90 β

Reporter gene

Promoter,
splice,
PolyA

- CMV enhancer/promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments - sequence available, based on our sequencing of the ends.

Reference Kijima et al. (2018) Sci. Rep. 8, 6976

Construct number

2847

Date entered

19.7.18

Constructed by

Len Neckers' lab

Date constructed

PLASMID NAME

pcDNA-FLAG-HSP90 α E42A

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA

bacterial plasmid

pUC

other relevant source constructs

Inserts Flag-tagged wild-type human Hsp90 α with ATP hydrolysis point mutant E47A

Reporter gene

Promoter,
splice,
PolyA

- CMV enhancer/promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments

Reference Kijima et al. (2018) Sci. Rep. 8, 6976

Construct number

2848

Date entered

19.7.18

Constructed by

Len Neckers' lab

Date constructed

PLASMID NAME

pcDNA-FLAG-HSP90 β E42A

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA

bacterial plasmid

pUC

other relevant source constructs

Inserts Flag-tagged wild-type human Hsp90 β with ATP hydrolysis point mutant E42A

Reporter gene

Promoter,
splice,
PolyA

- CMV enhancer/promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments

Reference Kijima et al. (2018) Sci. Rep. 8, 6976

Construct number

2849

Date entered

19.7.18

Constructed by

Len Neckers' lab

Date constructed

PLASMID NAME

pcDNA-HA-HSP90 α

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA

bacterial plasmid

pUC

other relevant source constructs

Inserts HA-tagged wild-type human Hsp90 α

Reporter gene

Promoter,
splice,
PolyA

- CMV enhancer/promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments

Reference Kijima et al. (2018) Sci. Rep. 8, 6976

Construct number

2850

Date entered

19.7.18

Constructed by

Len Neckers' lab

Date constructed

PLASMID NAME

pcDNA-HA-HSP90 β

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA

bacterial plasmid

pUC

other relevant source constructs

Inserts HA-tagged wild-type human Hsp90 β

Reporter gene

Promoter,
splice,
PolyA

- CMV enhancer/promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments

Reference Kijima et al. (2018) Sci. Rep. 8, 6976

Construct number

2851

Date entered

19.7.18

Constructed by

Len Neckers' lab

Date constructed

PLASMID NAME

pcDNA-HA-HSP90 α E47A

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA

bacterial plasmid

pUC

other relevant source constructs

Inserts HA-tagged wild-type human Hsp90 α with ATP hydrolysis point mutant E47A

Reporter gene

Promoter,
splice,
PolyA

- CMV enhancer/promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments

Reference Kijima et al. (2018) Sci. Rep. 8, 6976

DIDIER PICARD LAB, University of Geneva

Construct number

2852

Date entered

19.7.18

Constructed by

Len Neckers' lab

Date constructed

PLASMID NAME

pcDNA-HA-HSP90 β E42A

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector

pcDNA

bacterial plasmid

pUC

other relevant source constructs

Inserts HA-tagged wild-type human Hsp90 β with ATP hydrolysis point mutant E42A

Reporter gene

Promoter,
splice,
PolyA

- CMV enhancer/promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments

Reference Kijima et al. (2018) Sci. Rep. 8, 6976

Construct number 2853

Date entered 27.7.18

Constructed by BioCat

Date constructed 27.07.2018

PLASMID NAME

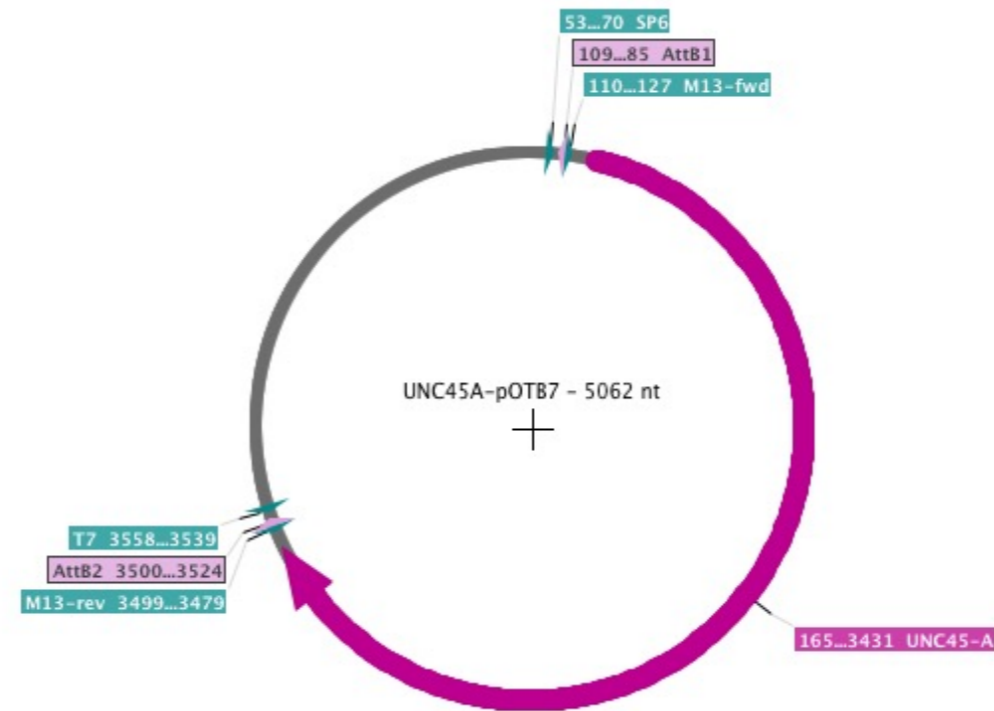
UNC45A-pOTB7

bacterial marker Chl	parent vector pOTB7 bacterial plasmid
eukaryotic replicon	other relevant source constructs

Inserts	Full length UNC45A. cDNA clone
Reporter gene	<input type="text"/>
Promoter, splice, PolyA	T7 promoter Chloramphenicol resistance

Comments Gene inserted with EcoRI and XhoI

Reference <https://www.biocat.com/cdna-clones/clones/BC006214-seq-TCHS1003-GVO-TRI>



Construct number 2854

Date entered 27.7.18

Constructed by BioCat

Date constructed 27.07.2018

PLASMID NAME

UNC45B-pCR

bacterial marker Kan

vertebrate marker Neo (G418)

parent vector
pCR-BluntII-TOPO
bacterial plasmid

other relevant source constructs

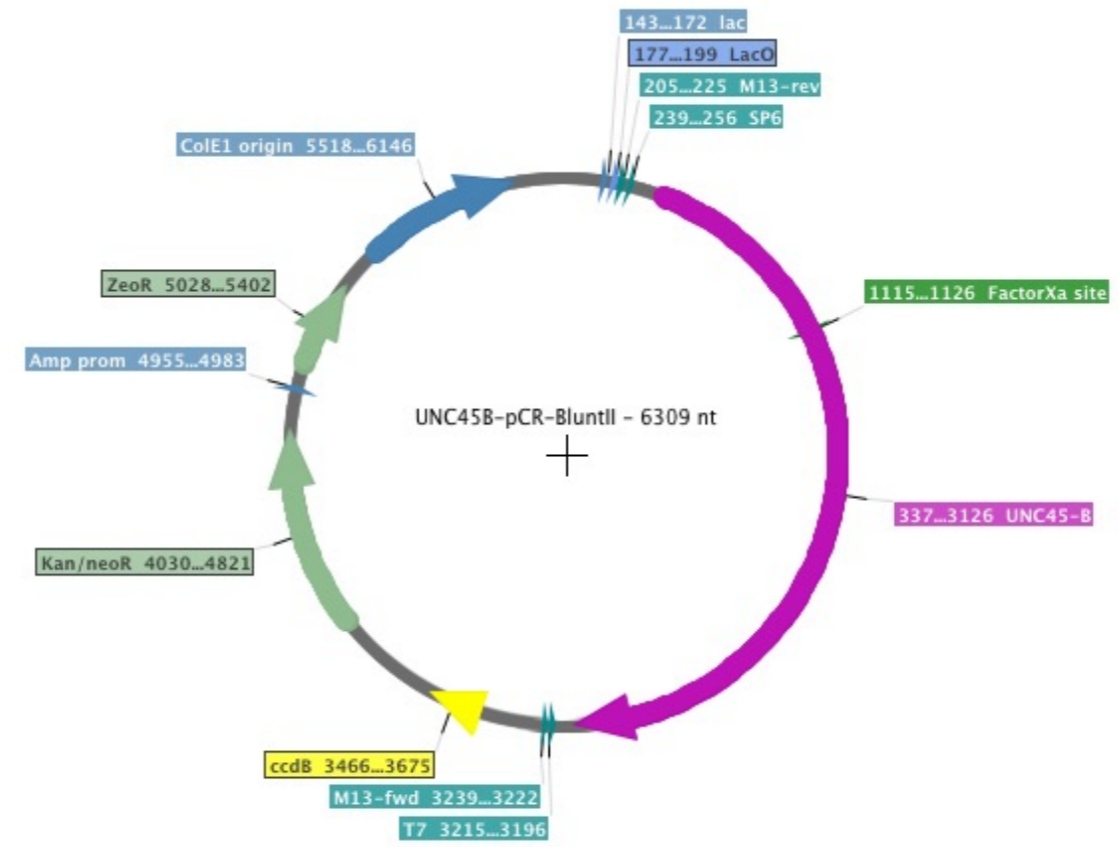
Inserts Full length UNC45-B gene.
cDNA clone.

Reporter gene

Promoter, splice, PolyA
Lac promoter

Comments Gene inserted at TOPO sites

Reference <https://www.biocat.com/cdna-clones/clones/BC101063-TCH1003-GVO-TRI>



Construct number 2855

Date entered 27.7.18

Constructed by BioCat

Date constructed 27.07.2018

PLASMID NAME

FKBP8-pOTB7

bacterial marker Chl

parent vector

pOTB7

bacterial plasmid

other relevant source constructs

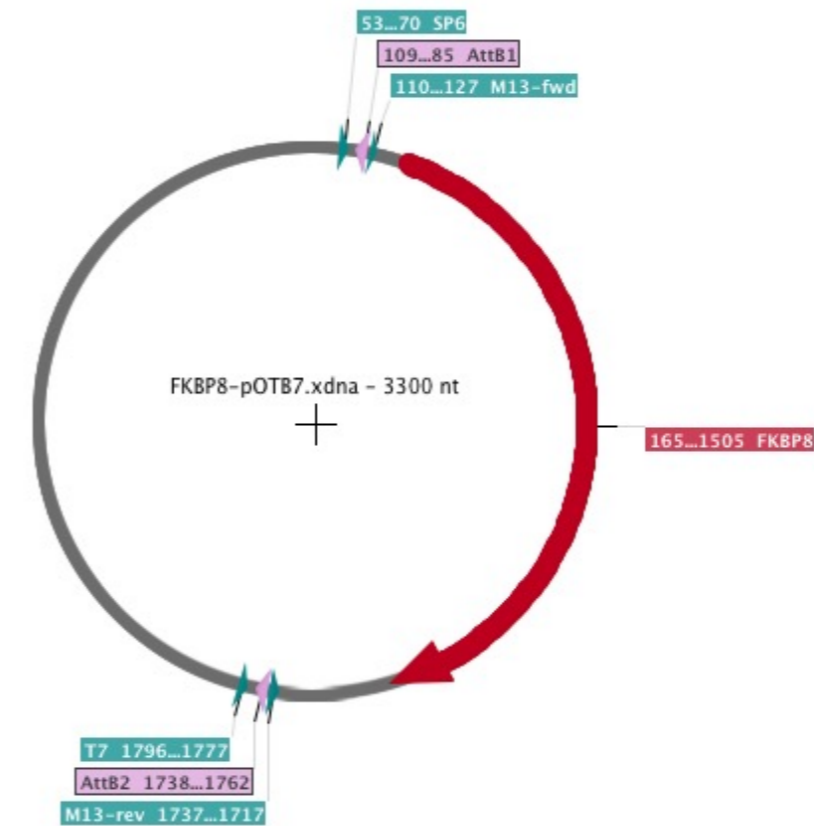
Inserts Full length FKBP8 gene.
cDNA clone.

Reporter gene

Promoter, splice, PolyA Chloramphenicol resistance

Comments Gene inserted at EcoRI and XhoI sites.

Reference <https://www.biocat.com/cdna-clones/clones/BC009966-TCH1003-GVO-TRI>



DIDIER PICARD LAB, University of Geneva

Construct number

2856

Date entered

3.8.18

Constructed by

Nastaran Ghahhari

Date constructed

PLASMID NAME

PLKO.1-sh1-ZEB1

bacterial marker

Amp

parent vector

PLKO1

Puromycin

bacterial plasmid

SV40 ori

other relevant source constructs

Inserts

Sequence directed against ZEB1 inserted between EcoR1 and AgeI restriction sites in PLKO1. The targeting hairpin sequence is as follows:

CCGGCCTCTCTGAAAGAACACATTACTCGAGTAATGTGTTCTTTCAGA
GAGGTTTTTG

Reporter gene

Promoter,
splice,
PolyA

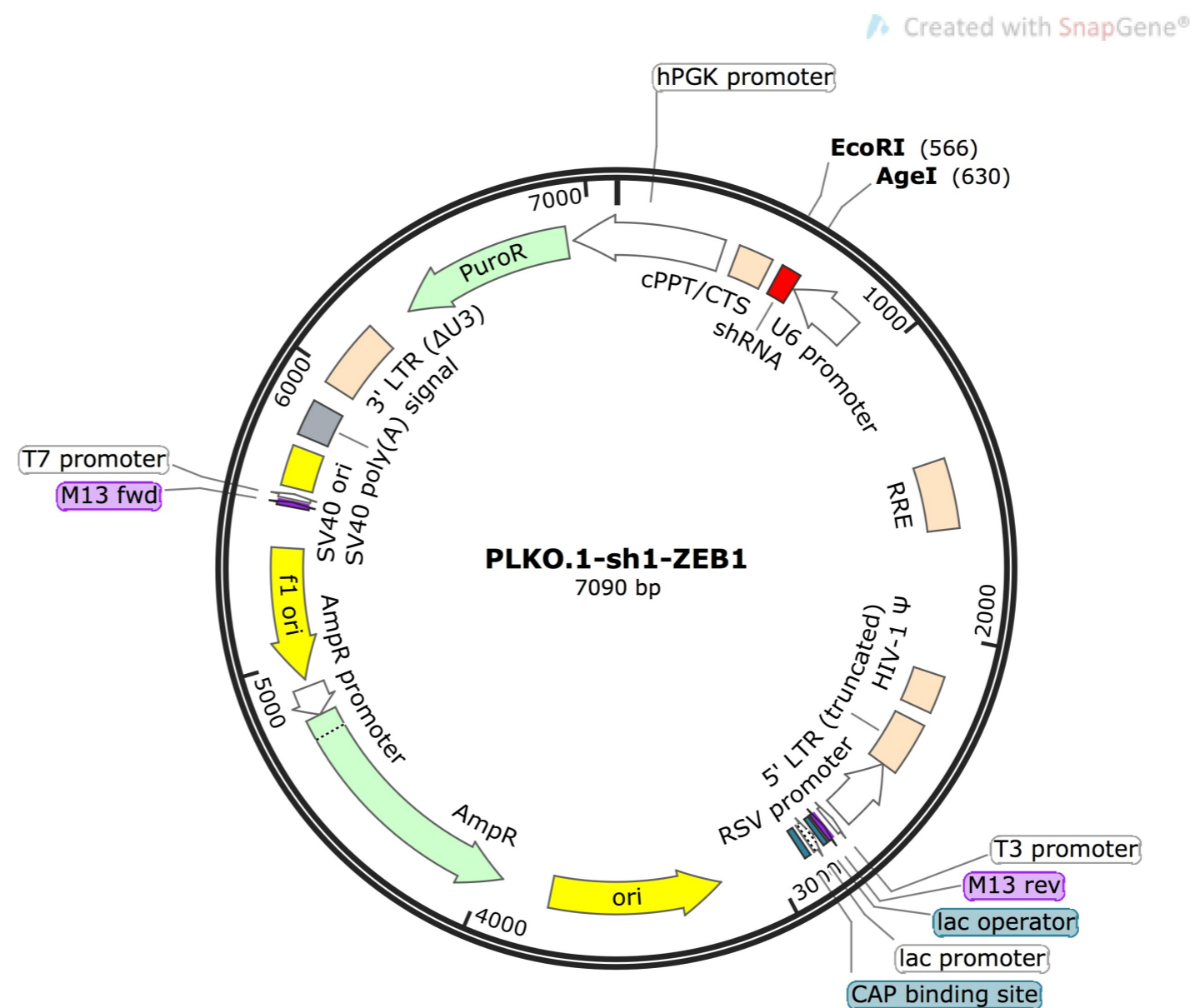
U6 promoter

Comments

Knockdown efficiency is very high (>80%)

Reference

Sequence was designed manually.



DIDIER PICARD LAB, University of Geneva

Construct number

2857

Date entered

3.8.18

Constructed by

Nastaran Ghahhari

Date constructed

PLASMID NAME

PLKO.1-sh2-ZEB1

bacterial marker

Amp

parent vector

PLKO1

Puromycin

bacterial plasmid

SV40 ori

other relevant source constructs

Inserts

Sequence directed against ZEB1 inserted between EcoR1 and AgeI restriction sites in PLKO1. The targeting hairpin sequence is as follows:

CCGGGGTTAAAGGAAGCTGATTAATCTCGAGATTAATCAGCTTCCTTT
AACCTTTTGG

Reporter gene

Promoter,
splice,
PolyA

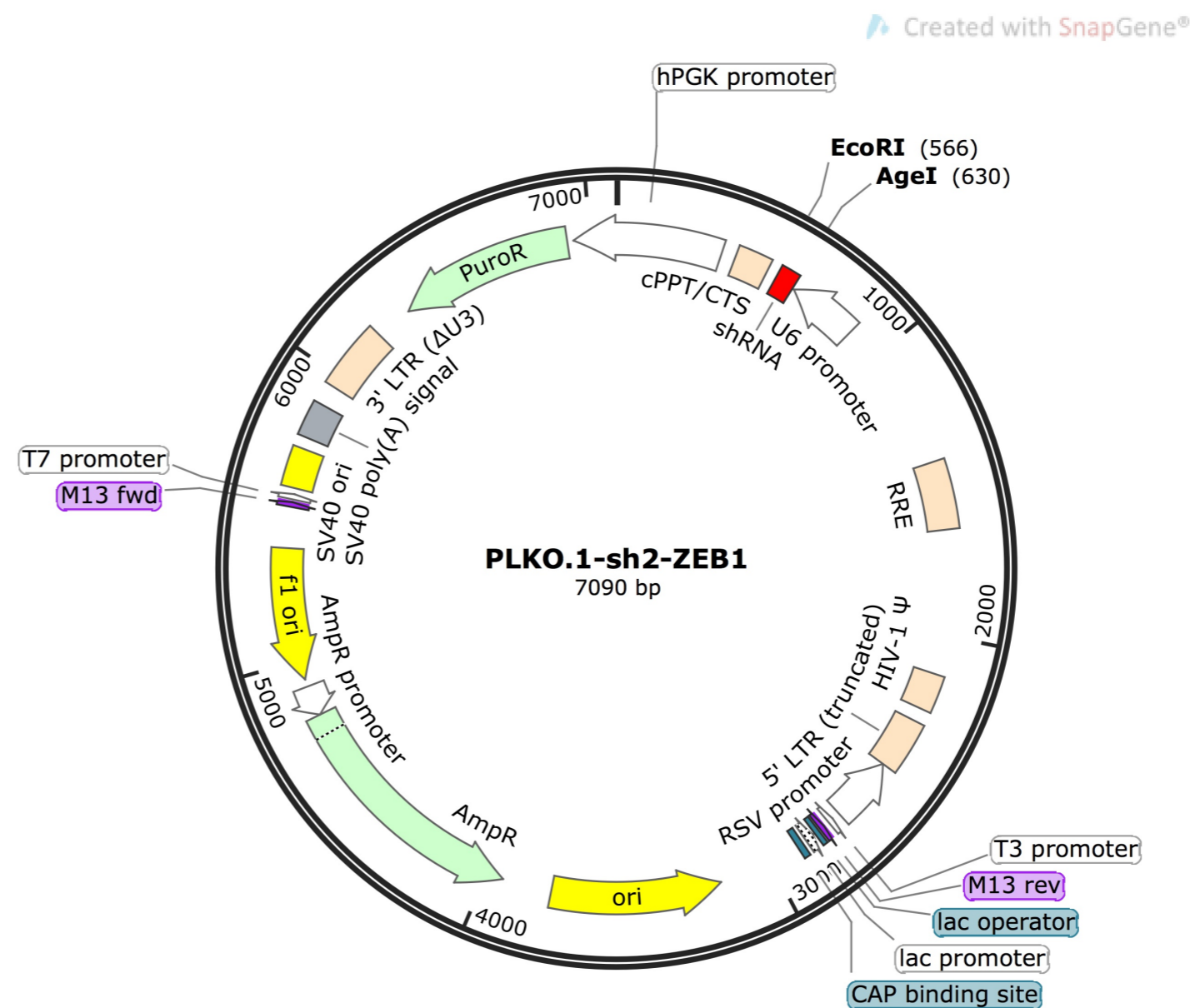
U6 promoter

Comments

Knockdown efficiency is very high (>90%)

Reference

Sequence was designed manually.



DIDIER PICARD LAB, University of Geneva

Construct number

2858

Date entered

3.8.18

Constructed by

Nastaran Ghahhari

Date constructed

PLASMID NAME

PLKO.1-sh3-ZEB1

bacterial marker

Amp

parent vector

PLKO1

Puromycin

bacterial plasmid

SV40 ori

other relevant source constructs

Inserts

Sequence directed against ZEB1 inserted between EcoR1 and AgeI restriction sites in PLKO1. The targeting hairpin sequence is as follows:

CCGGGCTGCCAATAAGCAAACGATTCTCGAGAATCGTTTGCTTATTG
GCAGCTTTTTG

Reporter gene

Promoter,
splice,
PolyA

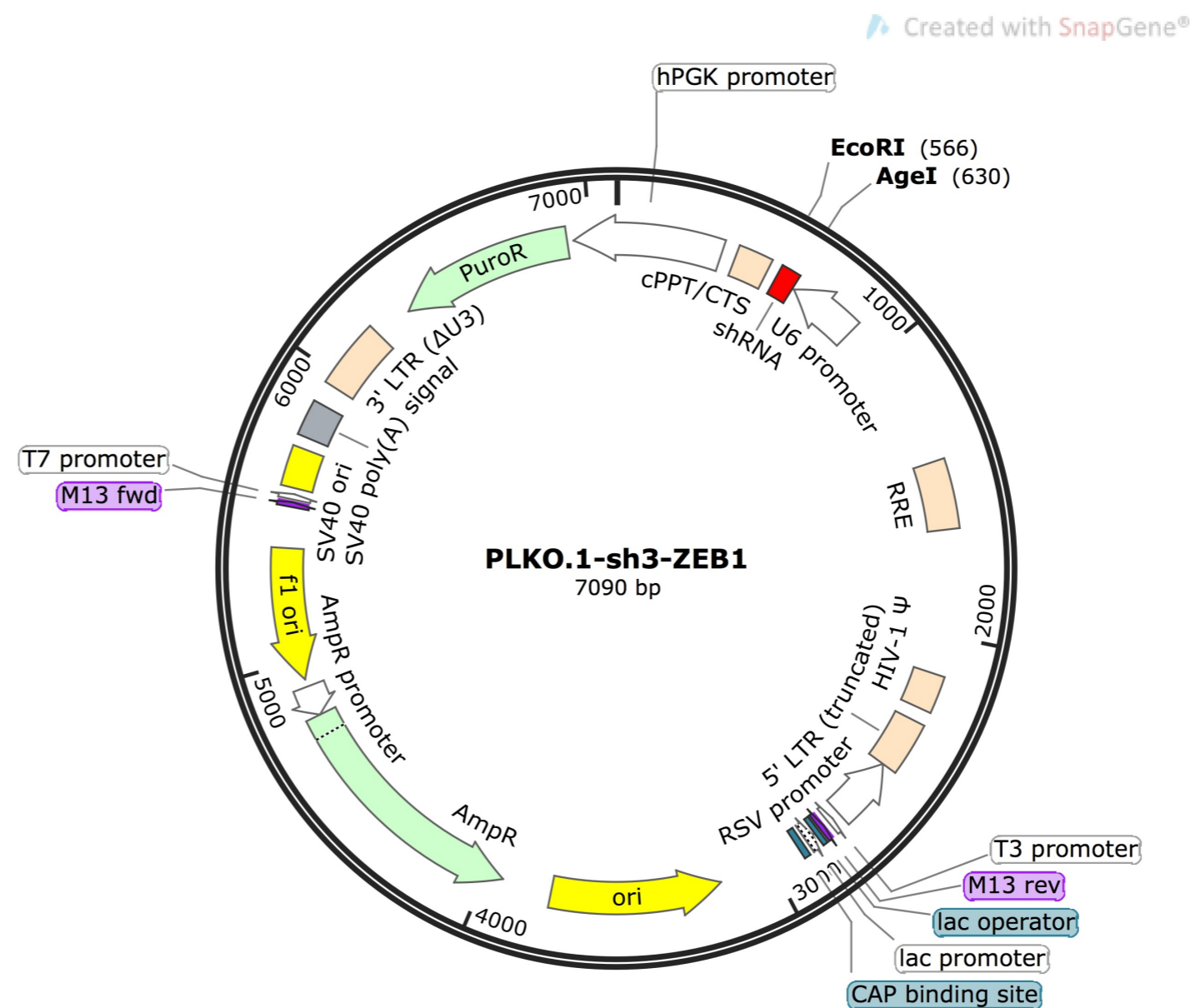
U6 promoter

Comments

Knockdown efficiency is very high (>80%)

Reference

Sequence was designed manually.



DIDIER PICARD LAB, University of Geneva

Construct number 2861

Date entered 31.8.18

Constructed by Didier Picard

Date constructed 08.2018

PLASMID NAME

p2LG/yΔc-ccA-S

bacterial marker Amp	parent vector p2LG/yNM-ccA-S
yeast marker LEU2	bacterial plasmid BS
eucaryotic replicon 2μ circle	other relevant source constructs

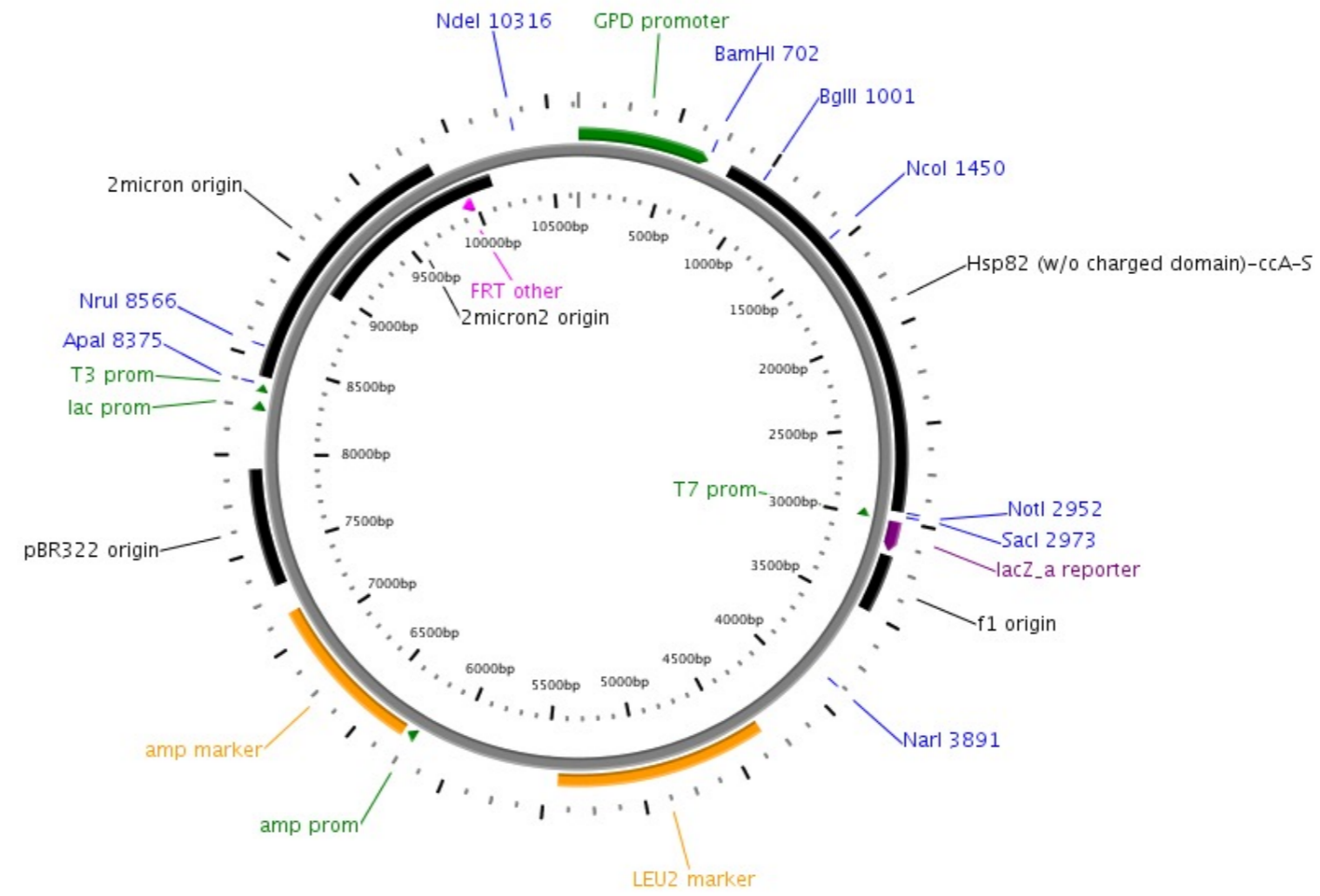
Inserts Full-length yeast Hsp82 without charged domain (Δ AA 211-259) with C-terminal coiled-coil sequence viiA (ccA) and streptag (S)

Reporter gene

Promoter, splice, PolyA GPD promoter

Comments - sequence available
- obtained by seamless cloning with Gibson assembly

Reference - ccA sequence from Mishra and Bolon (2014) Mol. Cell 53, 344



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Zsofi Keszei

Date entered 30.10.18
 Date constructed 09.2018

PLASMID NAME

pEGFP-Hop

bacterial marker Kan	parent vector pEGFP-C1
	bacterial plasmid
eukaryotic replicon SV40 ori	other relevant source constructs

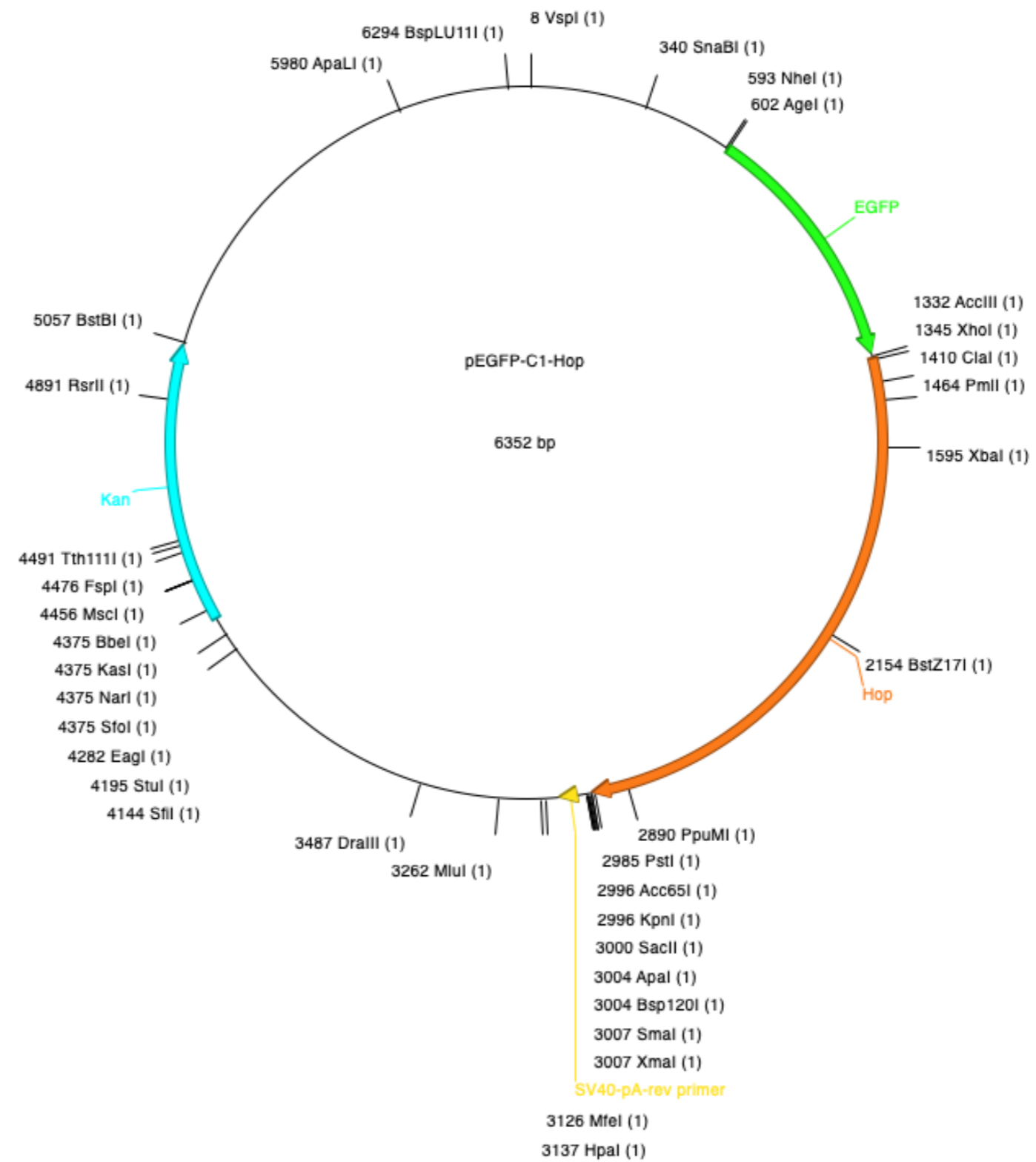
Inserts Human Hop cloned between Xho1 and Pst1 site of pEGFP-C1

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 2.11.18

Constructed by Stacey Mattison

Date constructed 29-09-2018

PLASMID NAME

pFKBP8-HA

bacterial marker Amp

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

pcDNA3.1

bacterial plasmid

other relevant source constructs

2855

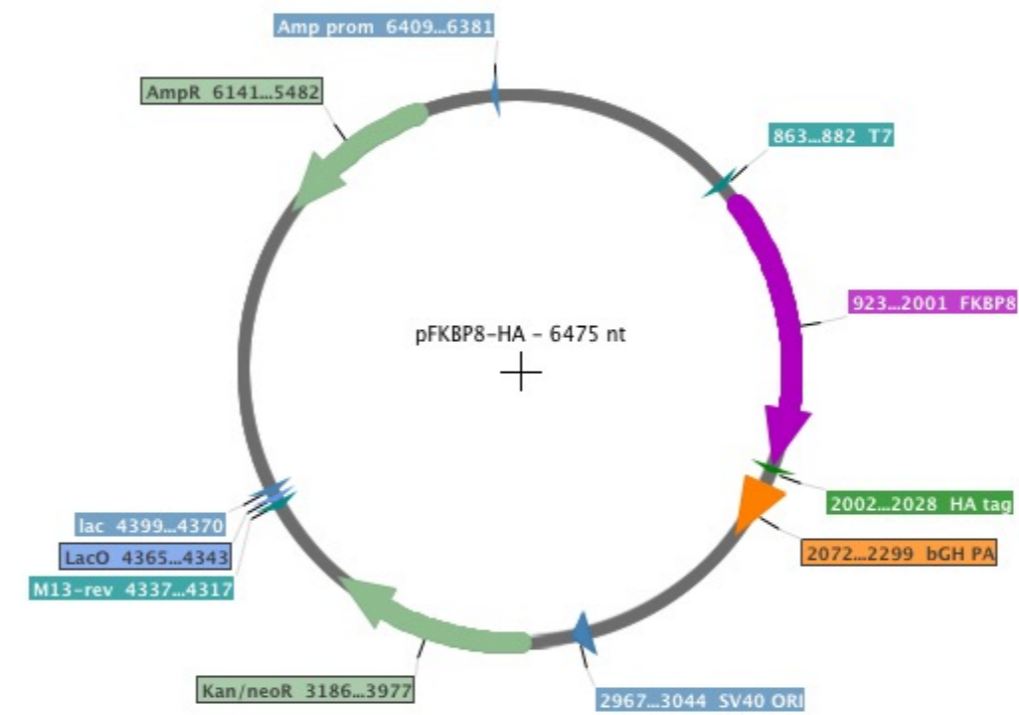
Inserts Full length FKBP8 with a C-terminal HA tag. Insert cloned in with HindIII and XhoI.

Reporter gene

Promoter, splice, PolyA T7 promoter

Comments

Reference <https://www.biocat.com/cdna-clones/clones/BC009966-TCH1003-GVO-TRI>



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 2.11.18

Constructed by Stacey Mattison

Date constructed 29-09-2018

PLASMID NAME

pUNC45A-HA

bacterial marker Amp

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

pcDNA3.1

bacterial plasmid

other relevant source constructs

2853

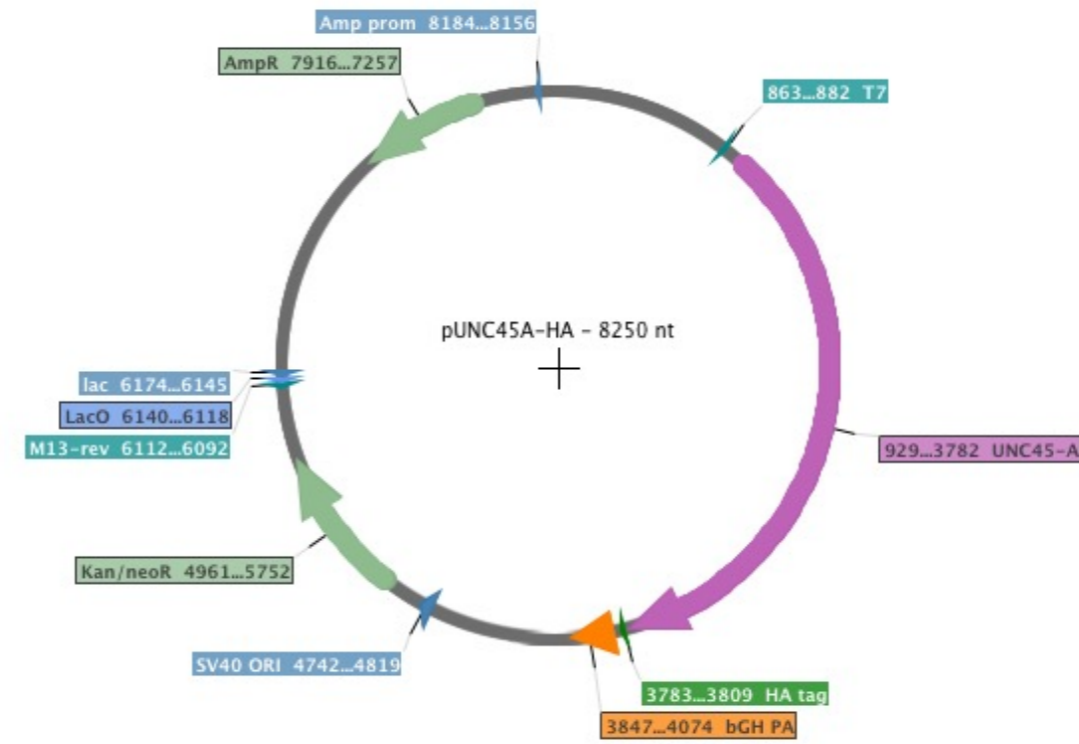
Inserts Full length UNC45-B with C-terminal HA tag. Insert cloned in with HindIII and XhoI.

Reporter gene

Promoter, splice, PolyA T7 promoter

Comments

Reference <https://www.biocat.com/cdna-clones/clones/BC006214-seq-TCHS1003-GVO-TRI>



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 2.11.18

Constructed by Stacey Mattison

Date constructed 29-09-2018

PLASMID NAME

pUNC45B-HA

bacterial marker Amp

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

pcDNA3.1

bacterial plasmid

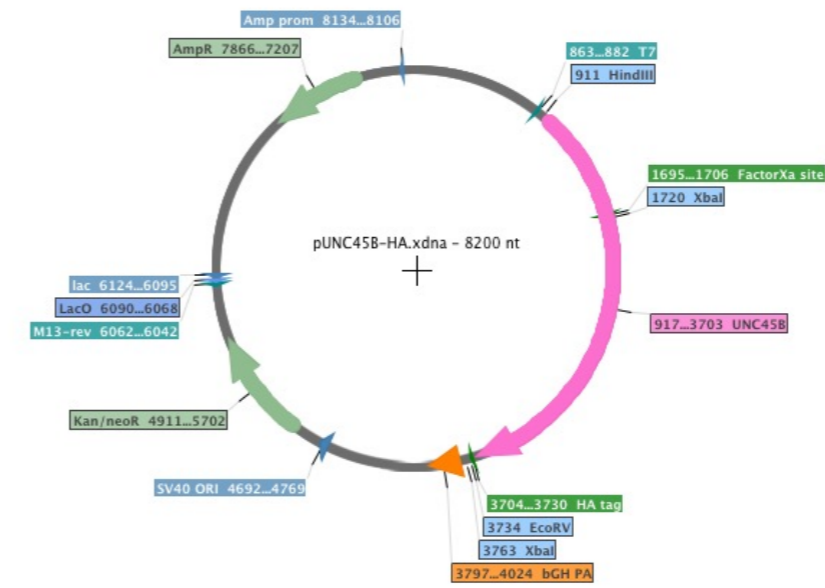
other relevant source constructs

2854

Inserts Full length UNC45-B with C-terminal HA tag. Insert cloned in using HindIII and EcoRV

Reporter gene

Promoter, T7 promoter
splice,
PolyA



Comments

Reference <https://www.biocat.com/cdna-clones/clones/BC101063-TCH1003-GVO-TRI>

Construct number 2866

Date entered 8.11.18

Constructed by Mark Howarth lab

Date constructed

PLASMID NAME

pET28a-SpyTag002-MBP

bacterial marker Kan

parent vector pET28a

bacterial plasmid high copy?

other relevant source constructs

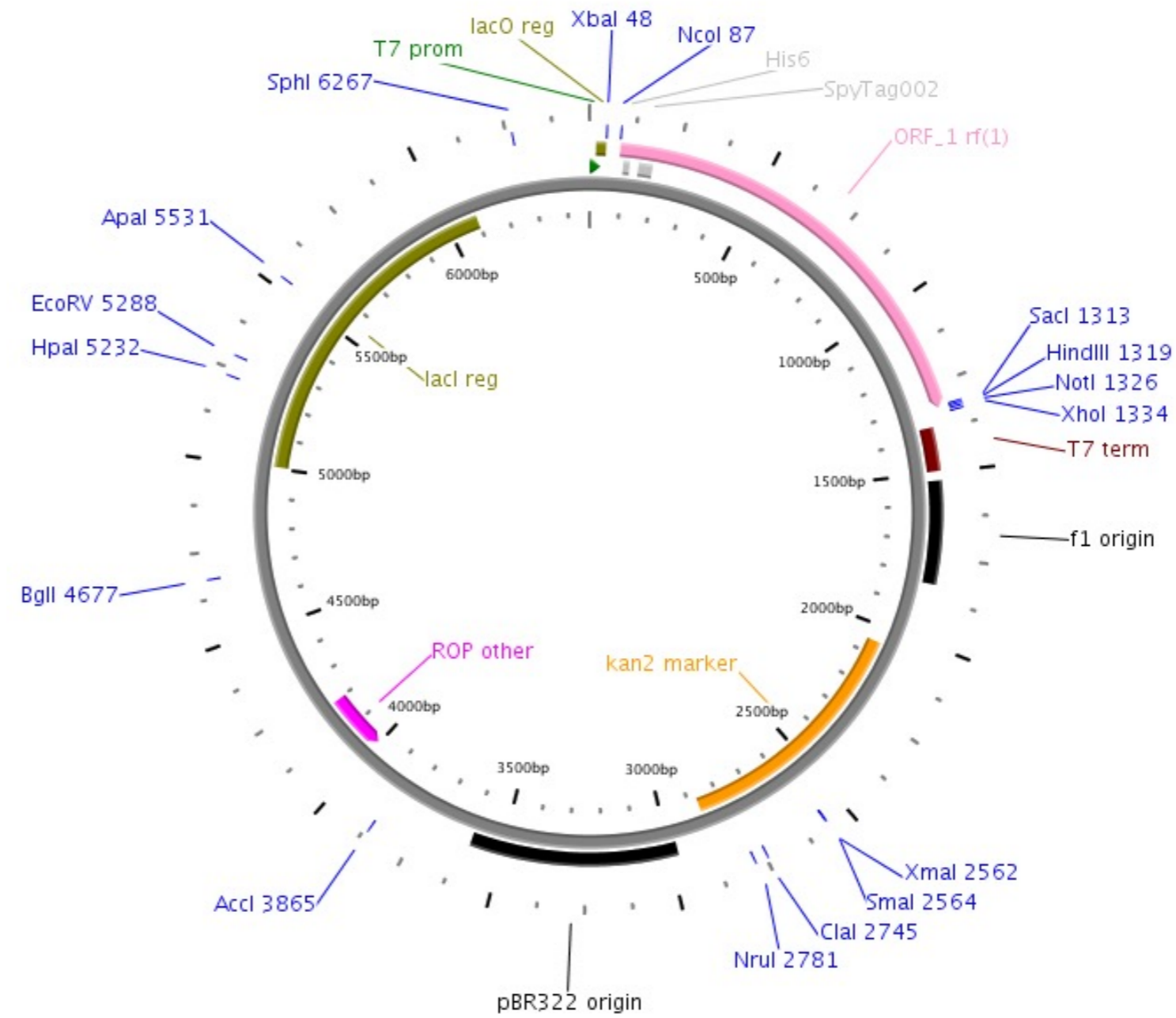
Inserts His6 tag - thrombin cut site - SpyTag002 - GSGESG linker - MBP
SpyTag002 sequence is VPTIVMVDAYKRYK

Reporter gene

Promoter, splice, PolyA T7 promoter with lacO regulator

Comments - Addgene plasmid # 102831
- plasmid also expresses lacI repressor
- sequence available

Reference Keeble et al. (2017) Angew. Chem. Int. Ed. 56, 16521.



Construct number 2867

Date entered 8.11.18

Constructed by Mark Howarth lab

Date constructed

PLASMID NAME

pET28a-SpyTag002 DA-MBP

bacterial marker Kan

parent vector pET28a

bacterial plasmid

high copy?

other relevant source constructs

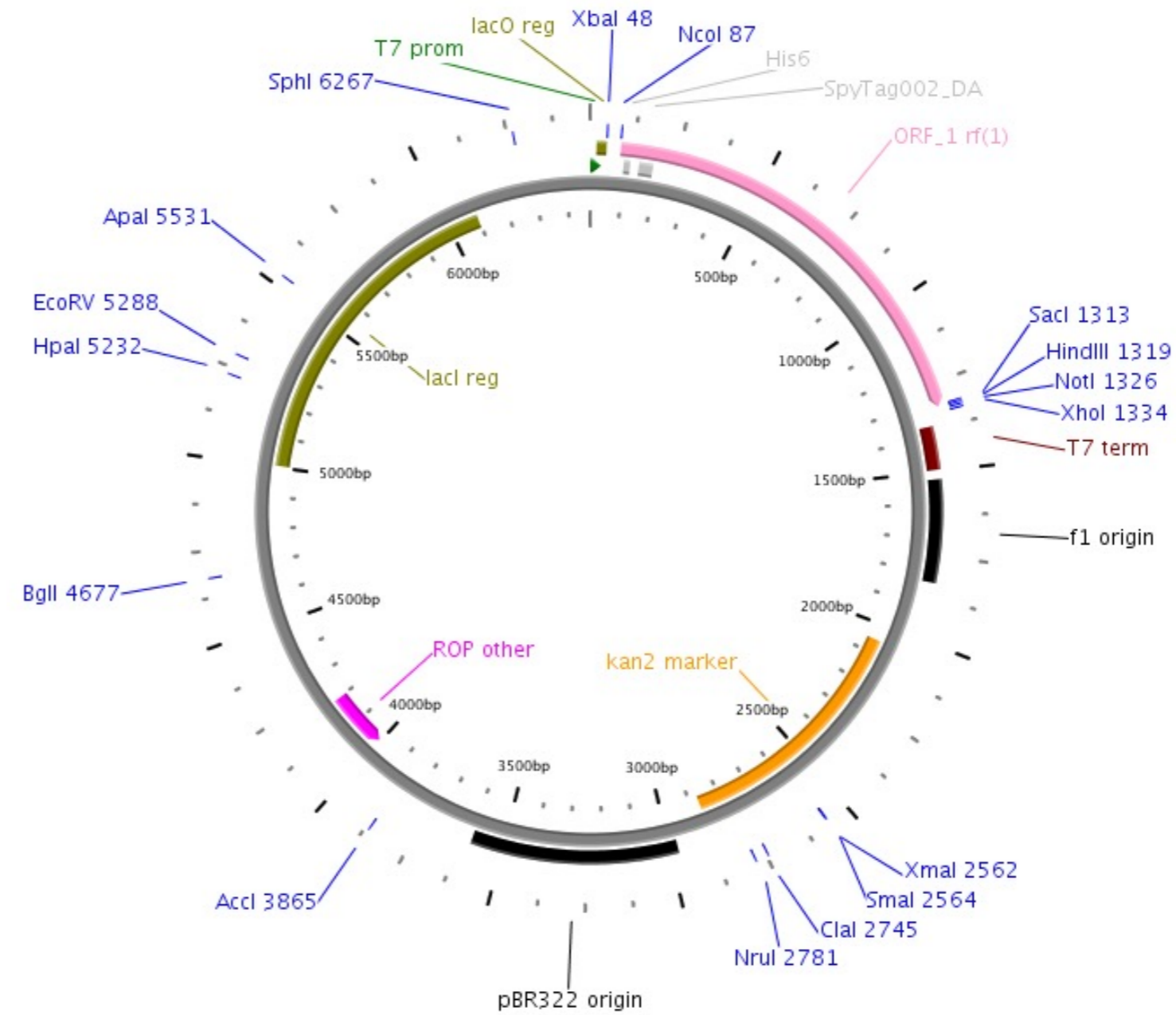
Inserts His6 tag - thrombin cut site - SpyTag002 DA - GSGESG linker - MBP
Catalytically inactive mutant SpyTag002 sequence is VPTIVMV^AAAYKRYK (catalytic D changed to A, in red)

Reporter gene

Promoter, splice, PolyA T7 promoter with lacO regulator

Comments - Addgene plasmid # 102832
- plasmid also expresses lacI repressor
- sequence available

Reference Keeble et al. (2017) Angew. Chem. Int. Ed. 56, 16521.



Construct number 2868

Date entered 8.11.18

Constructed by Mark Howarth lab

Date constructed

PLASMID NAME

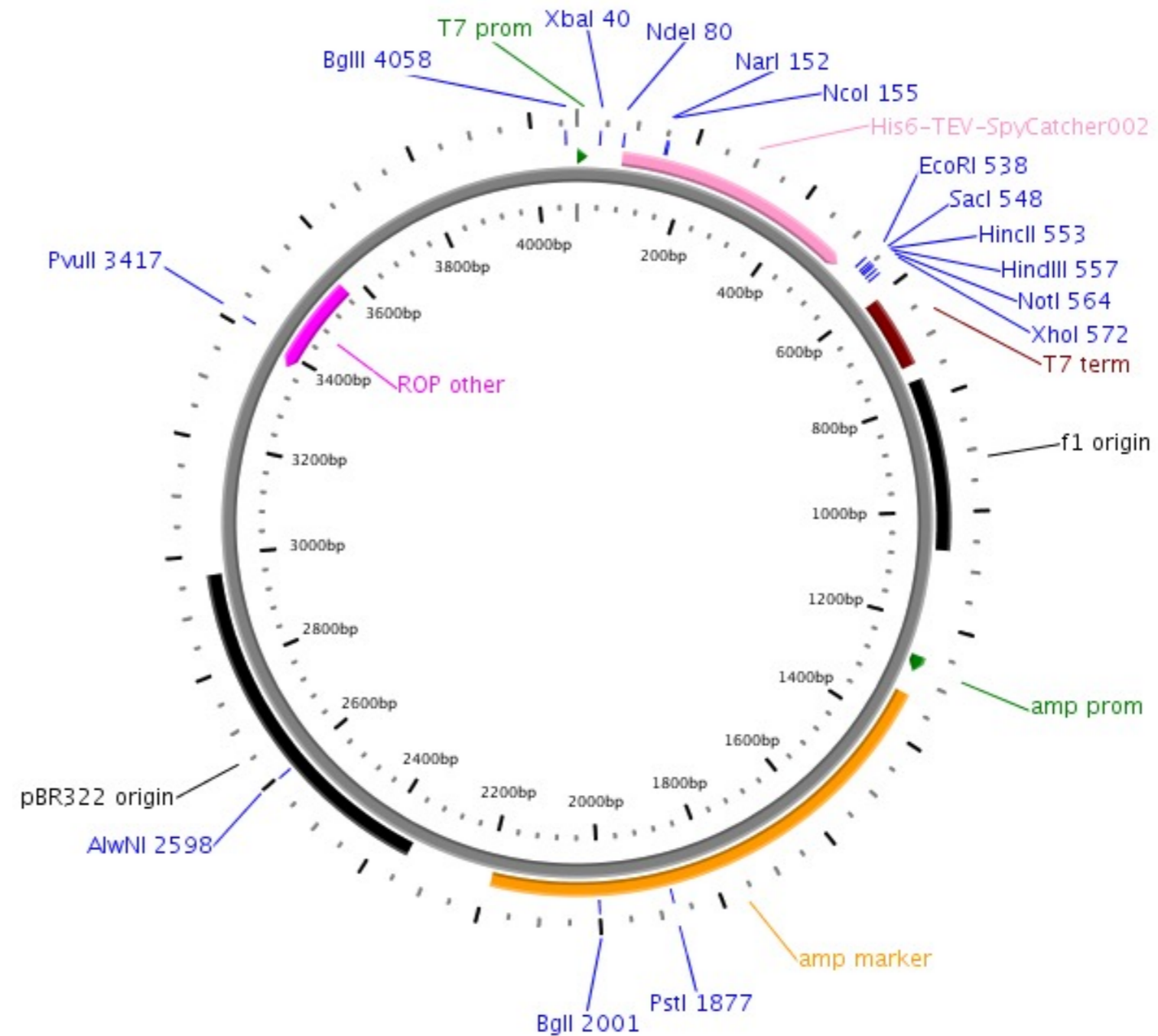
pDEST14-SpyCatcher002

bacterial marker Amp	parent vector pDEST14 Gateway bacterial plasmid high copy? other relevant source constructs
-----------------------------	--

Inserts His6 - TEV cleavage site - SpyCatcher002
Reporter gene <input type="text"/>
Promoter, splice, PolyA T7 promoter

Comments - Addgene plasmid # 102827
- sequence available

Reference Keeble et al. (2017) Angew. Chem. Int. Ed. 56, 16521.



Construct number 2869

Date entered 8.11.18

Constructed by Mark Howarth lab

Date constructed

PLASMID NAME

pDEST14-SpyCatcher002 EQ

bacterial marker Amp

parent vector
pDEST14 Gateway
bacterial plasmid
high copy?
other relevant source constructs

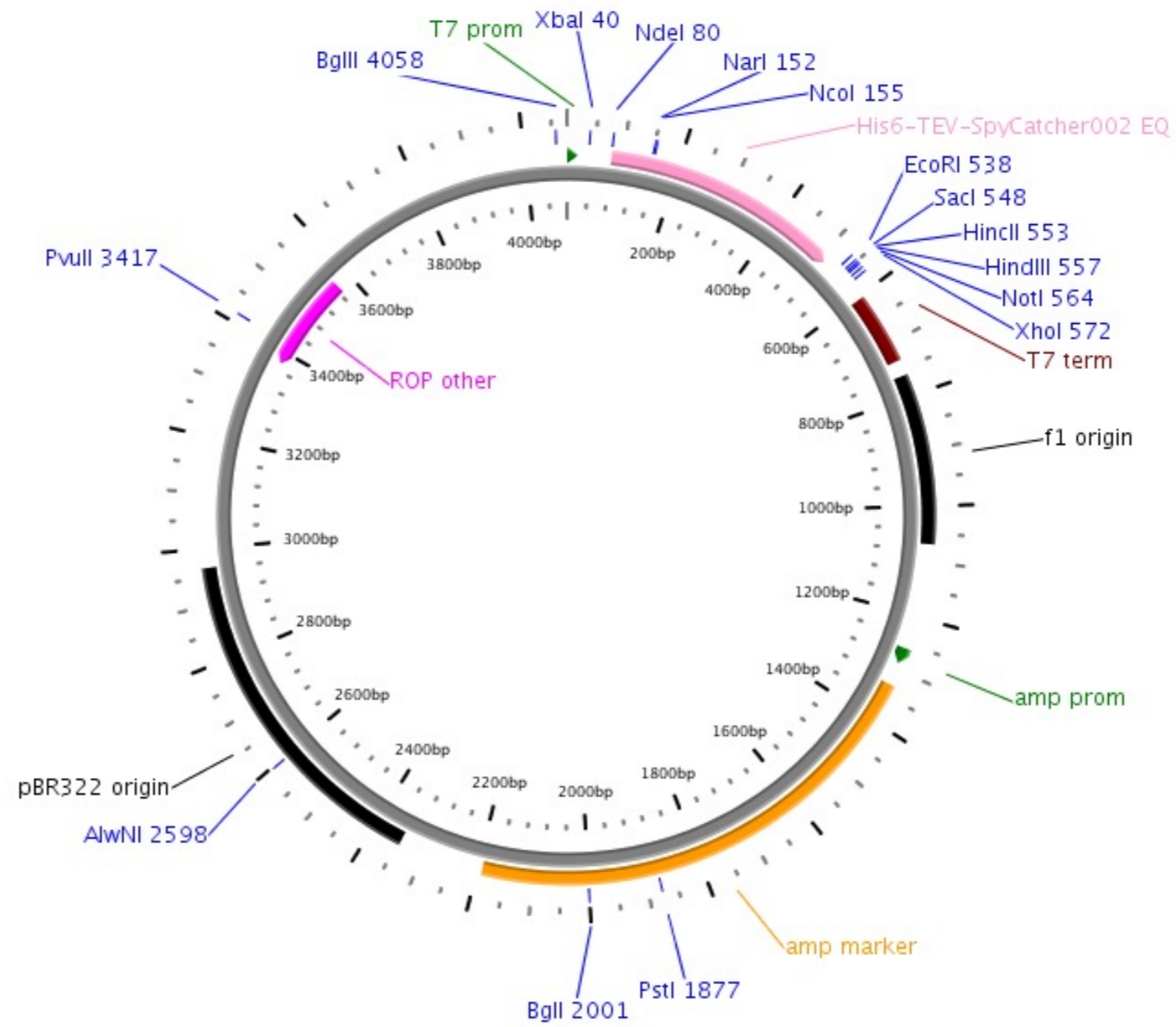
Inserts His6 - TEV cleavage site - SpyCatcher002 EQ
Catalytic Glu77 (of original CnaB2 sequence) changed to Q -> catalytically inactive mutant

Reporter gene

Promoter, splice, PolyA T7 promoter

Comments - Addgene plasmid # 102830
- sequence available

Reference Keeble et al. (2017) Angew. Chem. Int. Ed. 56, 16521.



Construct number

2870

Date entered

8.11.18

Constructed by

Masato Kanemaki lab

Date constructed

PLASMID NAME

pMK286

Created with SnapGene®

<u>bacterial marker</u>	Amp	<u>parent vector</u>	Bluescript
<u>vertebrate marker</u>	Neo (G418)	<u>bacterial plasmid</u>	
<u>eukaryotic replicon</u>	SV40 ori	<u>other relevant source constructs</u>	

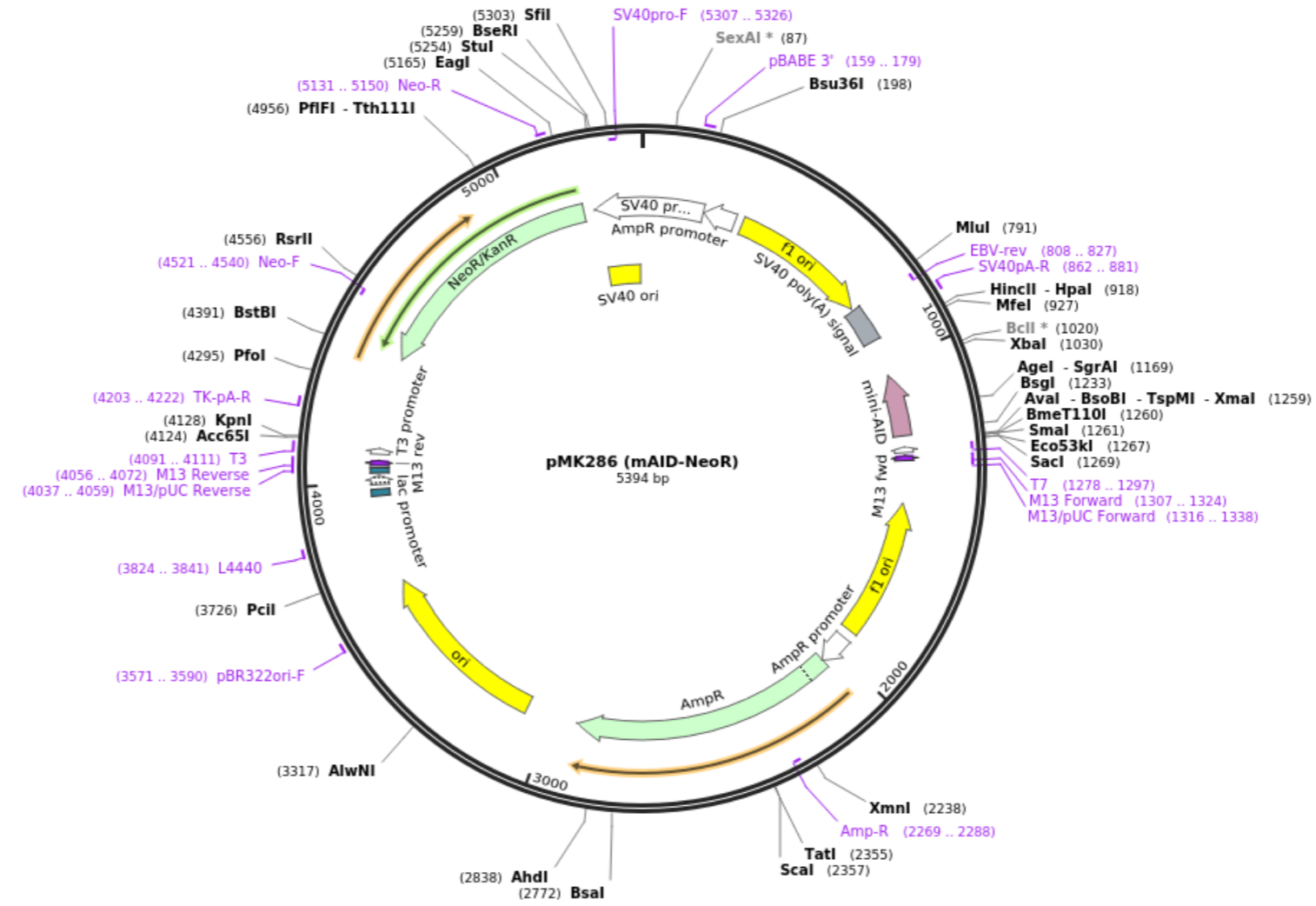
Inserts mini version of auxin-inducible degron domain (mini-AID)

Reporter gene

Promoter,
splice,
PolyA none for expression of mini-AID

Comments - Addgene plasmid # 72824
- note that the neo marker is NOT flanked by loxP sites
- sequence available

Reference Natsume et al. (2016) Cell Reports 15, 210



Construct number

2871

Date entered

3.12.18

Constructed by

Masato Kanemaki lab

Date constructed

PLASMID NAME

pMK232

bacterial marker Amp

vertebrate marker Puromycin

eukaryotic replicon

parent vector Bluescript

bacterial plasmid

other relevant source constructs

Inserts

E3 ligase OstIR1 under control of CMV and puromycin marker for mammalian expression, flanked by homology arms (HA-L and HA-R) for integration at human AAVS1 locus

Reporter gene

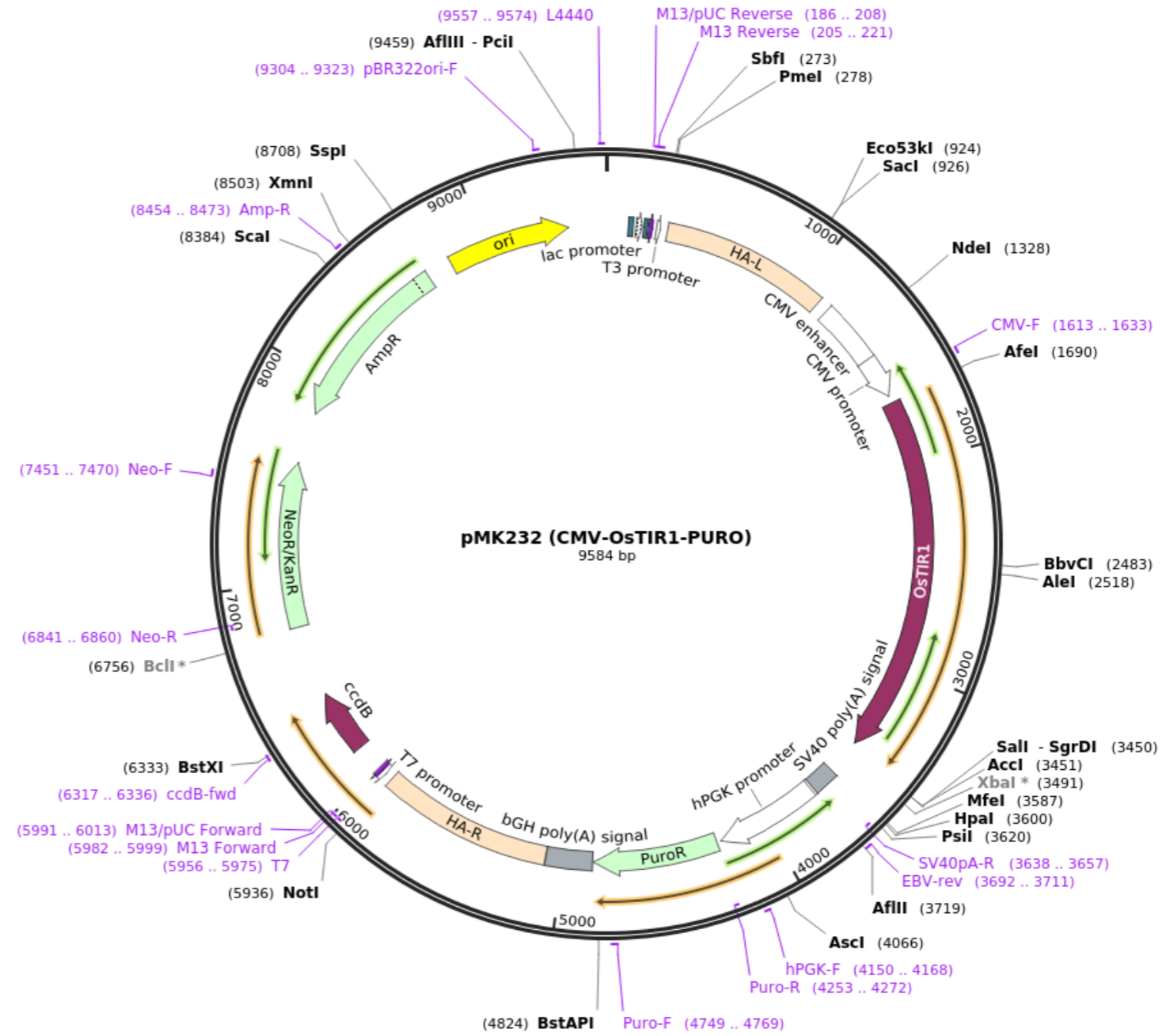
Promoter, splice, PolyA - CMV enhancer/promoter - SV40 poly A signal

Comments - Addgene plasmid # 72834

- sequence available

Reference Natsume et al. (2016) Cell Reports 15, 210

Created with SnapGene®



Construct number 2872

Date entered 3.12.18

Constructed by Masato Kanemaki lab

Date constructed

PLASMID NAME

AAVS1 T2 CRISPR

Created with SnapGene®

bacterial marker Amp	parent vector pX330
vertebrate marker	bacterial plasmid
eukaryotic replicon	other relevant source constructs

Inserts Cas9 and gRNA for targeting the AAVS1 locus in human cells

Reporter gene

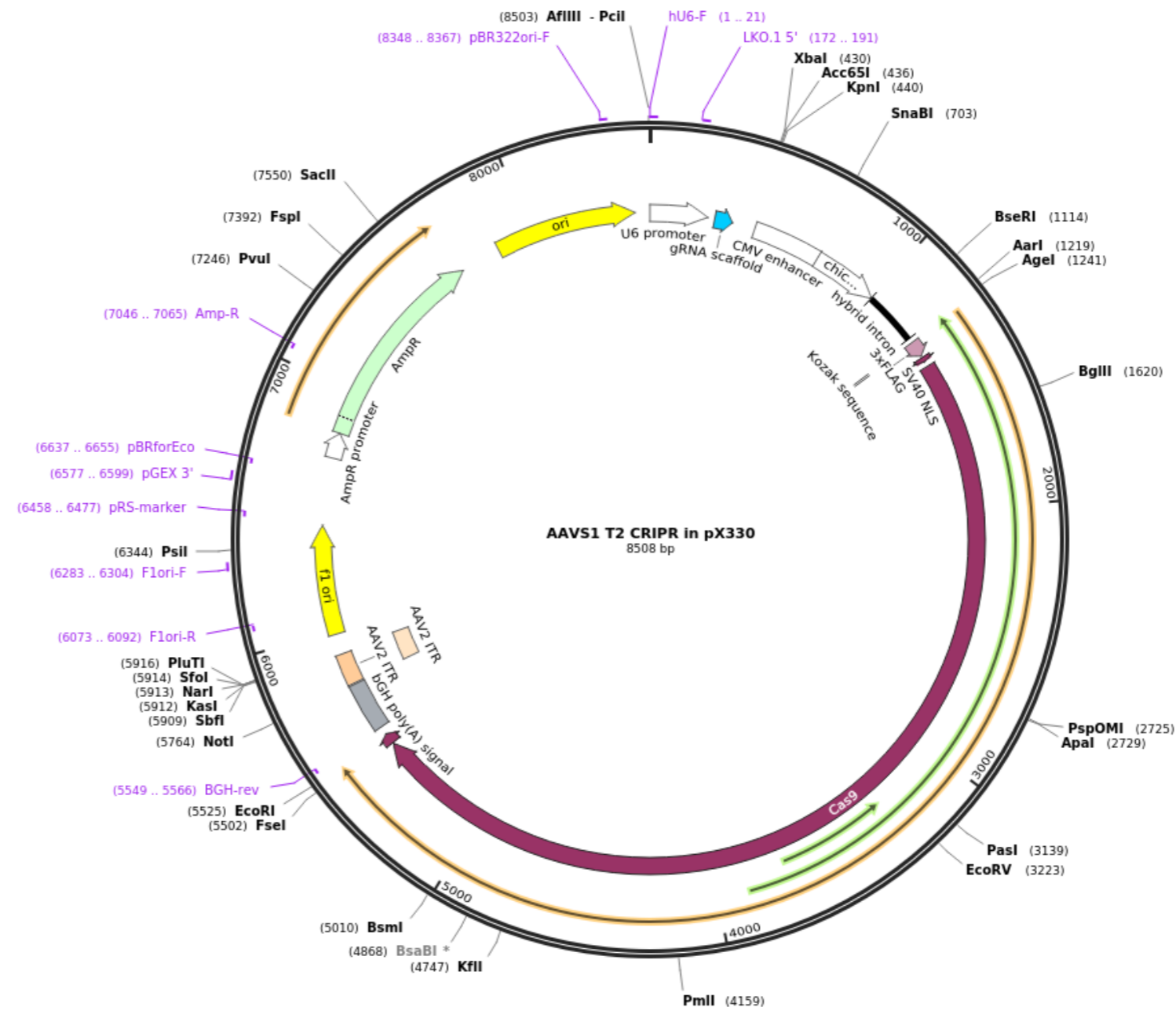
Promoter, splice, PolyA

- U6 for sgRNA
- CMV enhancer/promoter for SV40 NLS-Cas9

Comments

- Addgene plasmid # 72833
- no mammalian selectable marker
- sequence available

Reference Natsume et al. (2016) Cell Reports 15, 210



Construct number
Constructed by Anne Le lab

Date entered 11.2.19
Date constructed

PLASMID NAME

HypoxCR

bacterial marker Amp
vertebrate marker Puromycin

parent vector pLVXPuro
bacterial plasmid

other relevant source constructs

Inserts A lentiviral dual fluorescent protein reporter, HypoxCR, detects hypoxic [hypoxia-inducible factor (HIF) active] and/or cycling cells.

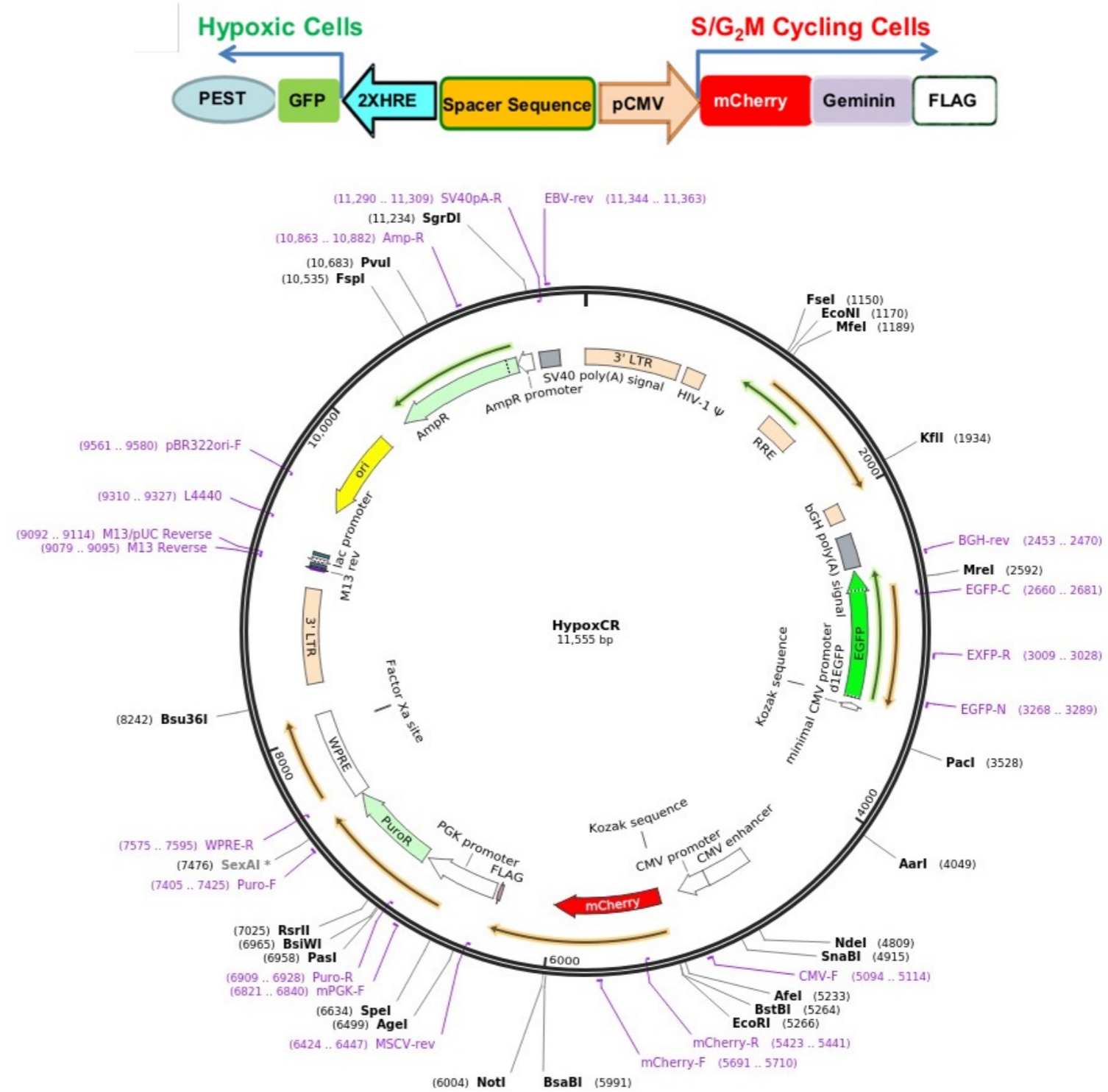
Inserted cassette with HRE-GFP-PEST and CMV-mChery-Gem (HRE, Hypoxia Response Element)

Reporter gene

Promoter, splice, PolyA

Comments -received from addgene ID 59946
- sequence available

Reference Le et al. (2014) PNAS III, 12486 PubMed 25114222



Construct number 2874

Date entered 13.2.19

Constructed by David Sabatini Lab

Date constructed

PLASMID NAME

sh

Created with SnapGene®

bacterial marker Amp	parent vector pLJM1
vertebrate marker Puromycin	bacterial plasmid high copy
eukaryotic replicon SV40 ori	other relevant source constructs

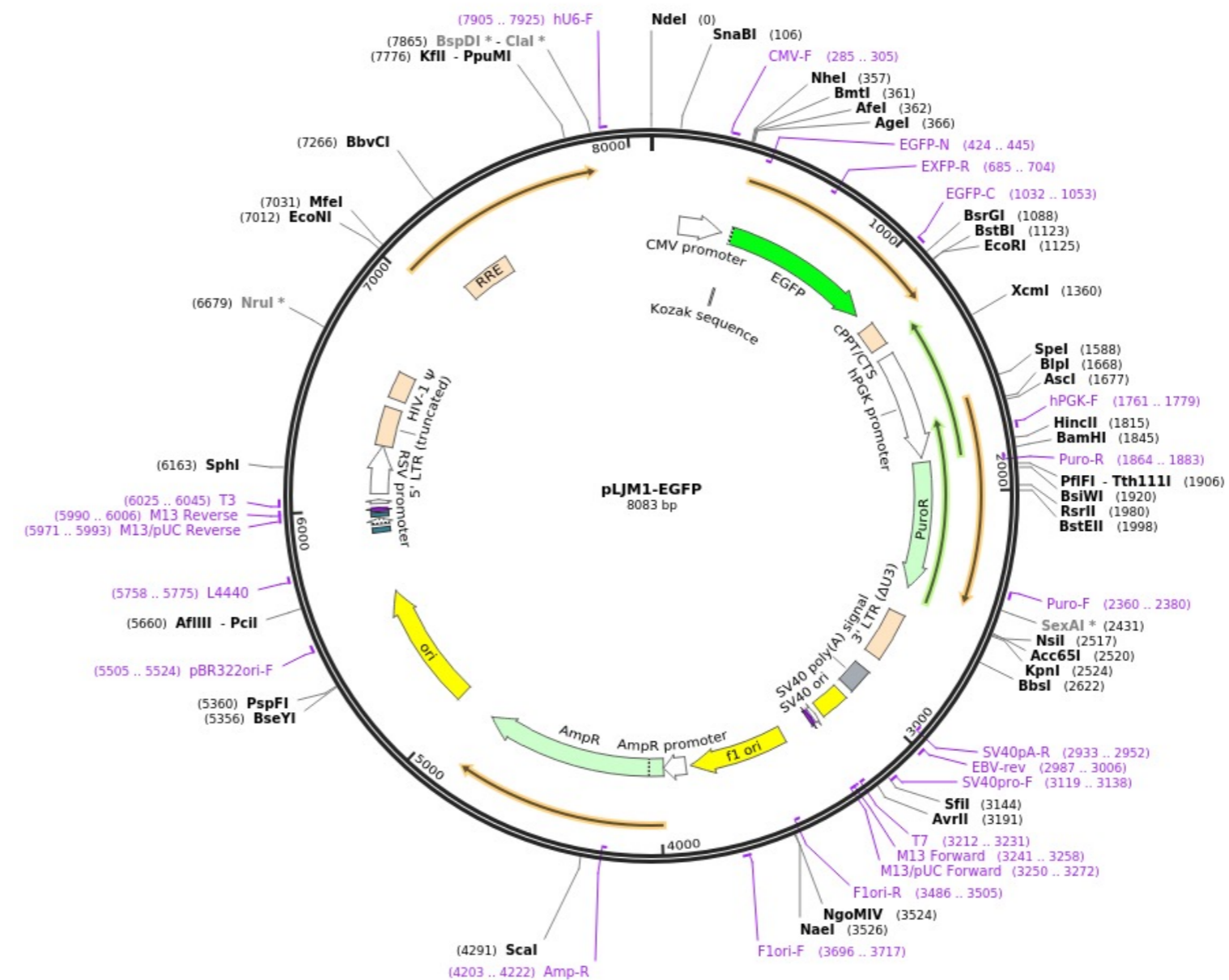
Inserts lentiviral vector:
 - genomic RNA expressed from external RSV enhancers/ promoters
 - CMV -EGFP
 - hPGK- puro

Reporter gene GFP

Promoter, splice, PolyA

Comments - received from addgene ID 19319
- sequence available

Reference Sancak et al. (2008) Science 320,1496. PubMed 18497260



DIDIER PICARD LAB, University of Geneva

Construct number 2875
Constructed by Diana Wider

Date entered 19.2.19
Date constructed 19.02.2019

PLASMID NAME

p2LG/yΔc-SpyT

bacterial marker Amp	parent vector p2LG/yΔc-ccA-S
yeast marker LEU2	bacterial plasmid BS
eucaryotic replicon 2μ circle	other relevant source constructs SpyTag002

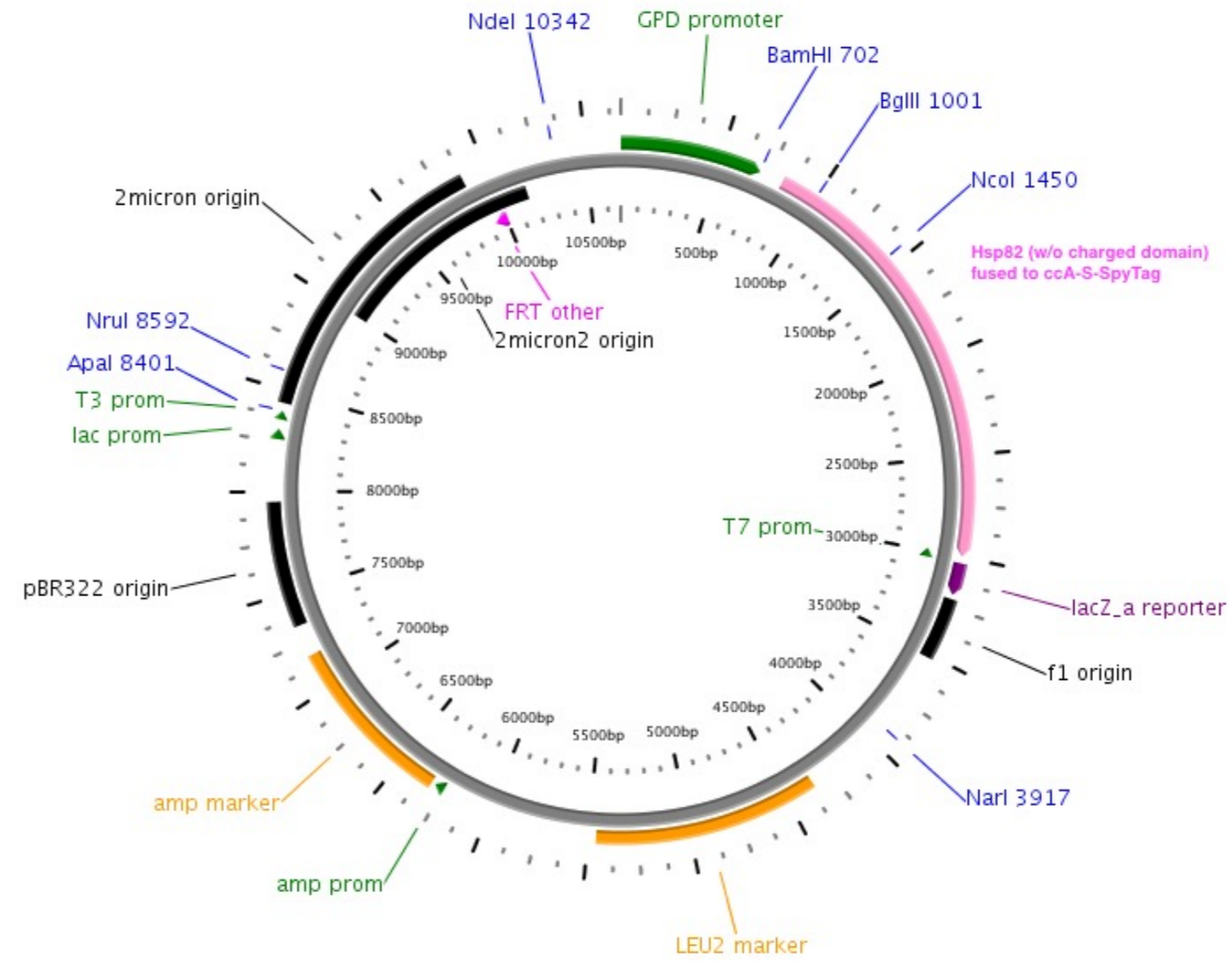
Inserts Full-length yeast Hsp82 without charged domain (Δ AA 211-259) with C-terminal coiled-coil sequence viiA (ccA) and streptag (S) followed by SpyTag

Reporter gene

Promoter, splice, PolyA GPD promoter

Comments - sequence available
 - obtained by seamless cloning with Gibson assembly

Reference - ccA sequence from Mishra and Bolon (2014) Mol. Cell 53, 344
 - SpyTag from Keeble et al. (2017) Angew. Chem. Int. Ed. 56, 16521.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 19.2.19

Constructed by Diana Wider

Date constructed 19.02.2019

PLASMID NAME

p2U/yΔc-SpyC

bacterial marker Amp	parent vector p2U/Hsp82 Δ211-259
yeast marker URA3	bacterial plasmid BS
eucaryotic replicon 2μ circle	other relevant source constructs SpyCatcher002

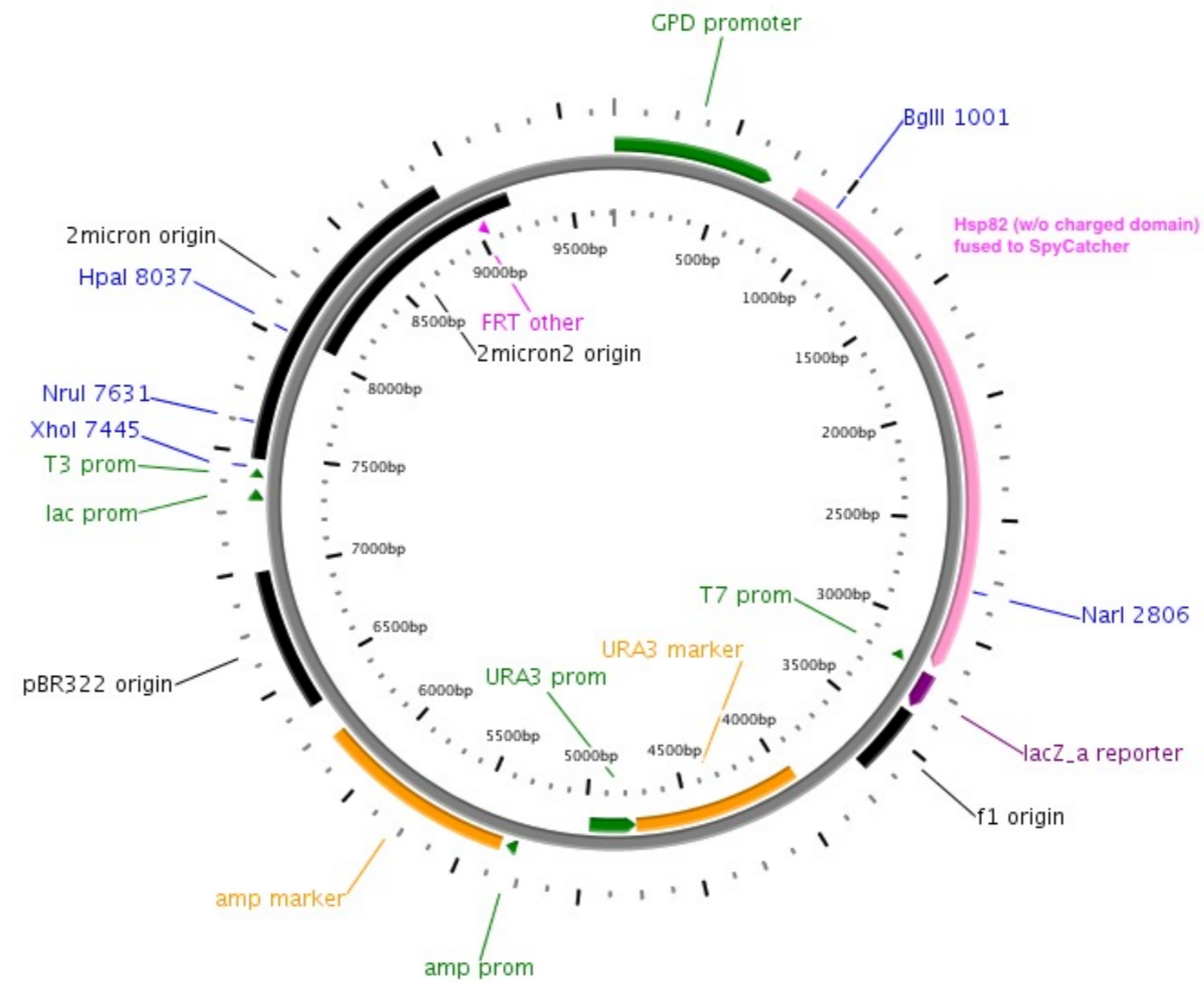
Inserts yeast hsp82 wt sequence (Δ211-259) fused to SpyCatcher

Reporter gene

Promoter, splice, PolyA GPD (constitutive)

Comments - sequence available
- obtained by seamless cloning with Gibson assembly

Reference - SpyCatcher from Keeble et al. (2017) Angew. Chem. Int. Ed. 56, 16521.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.3.19

Constructed by Addgene

Date constructed 22.10.2015

PLASMID NAME

LentiCRISPRv2

bacterial marker Amp

parent vector

vertebrate marker Puromycin

bacterial plasmid

other relevant source constructs

Replaces original lentiCRISPRv1 (Addgene Plasmid 49535) and produces ~10-fold higher titer virus. 3rd generation lentiviral backbone.

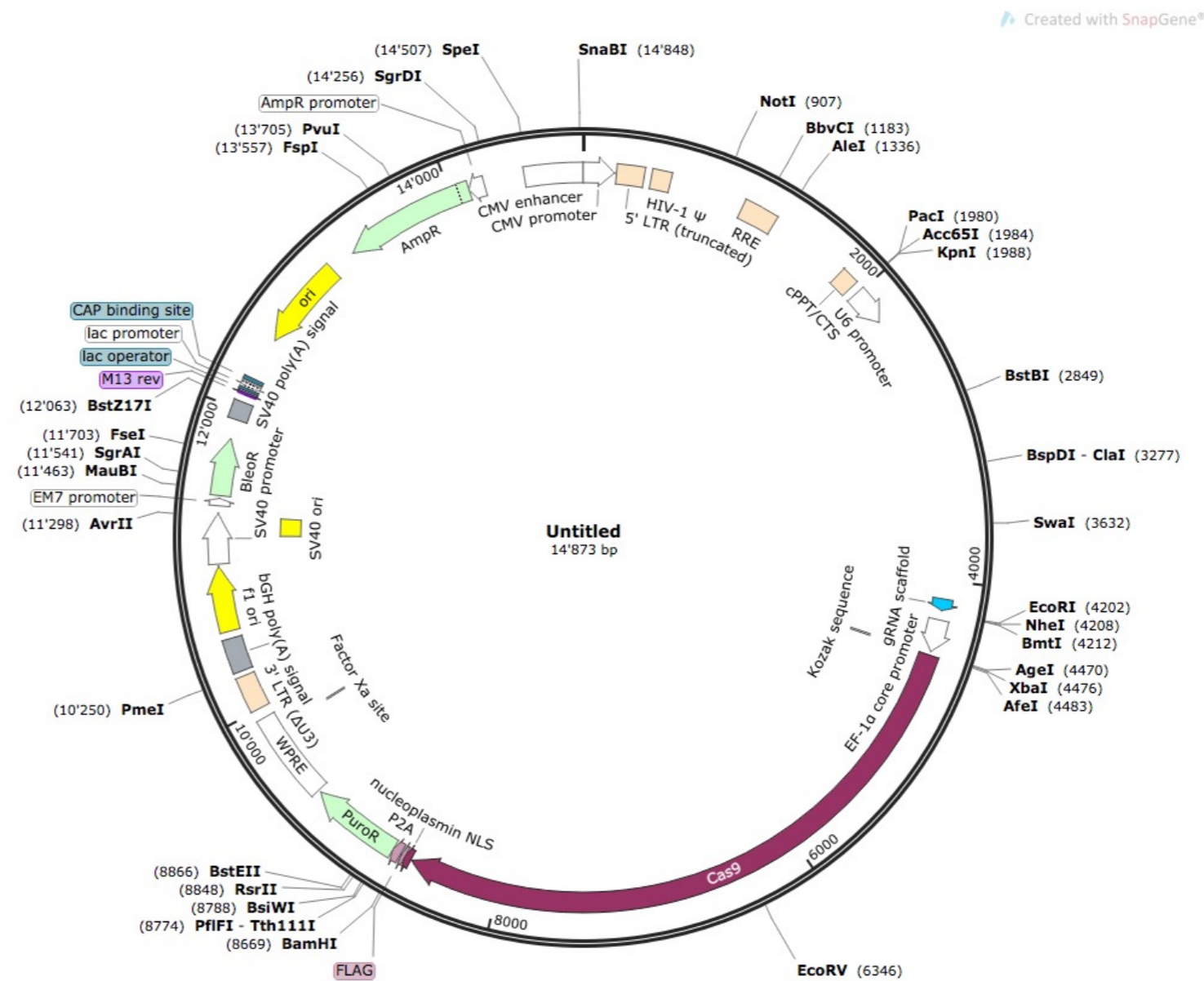
Inserts Cas9
gRNA scaffold

Reporter gene

Promoter, splice, PolyA

Comments FLAG (C terminal on insert)
This plasmid is an updated version of the original lentiCRISPR (Addgene plasmid #49535)

Reference Sanjana et al Nat Methods. 2014 Aug;11(8):783-4. doi: 10.1038/nmeth.3047
https://www.addgene.org/52961/?gclid=CjwKCAiA_P3jBRAqEiwAZyWWaACrtCI9BfWrIzIirXt3vdDP6zpHIL7Rzw2eZ22L-XfoEupz_azEPxoCzR0QAvD_BwE



Created with SnapGene®

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.3.19

Constructed by Dina Hany

Date constructed 27.04.2018

PLASMID NAME

ESR1(1)

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> LentiCRISPR v2
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>

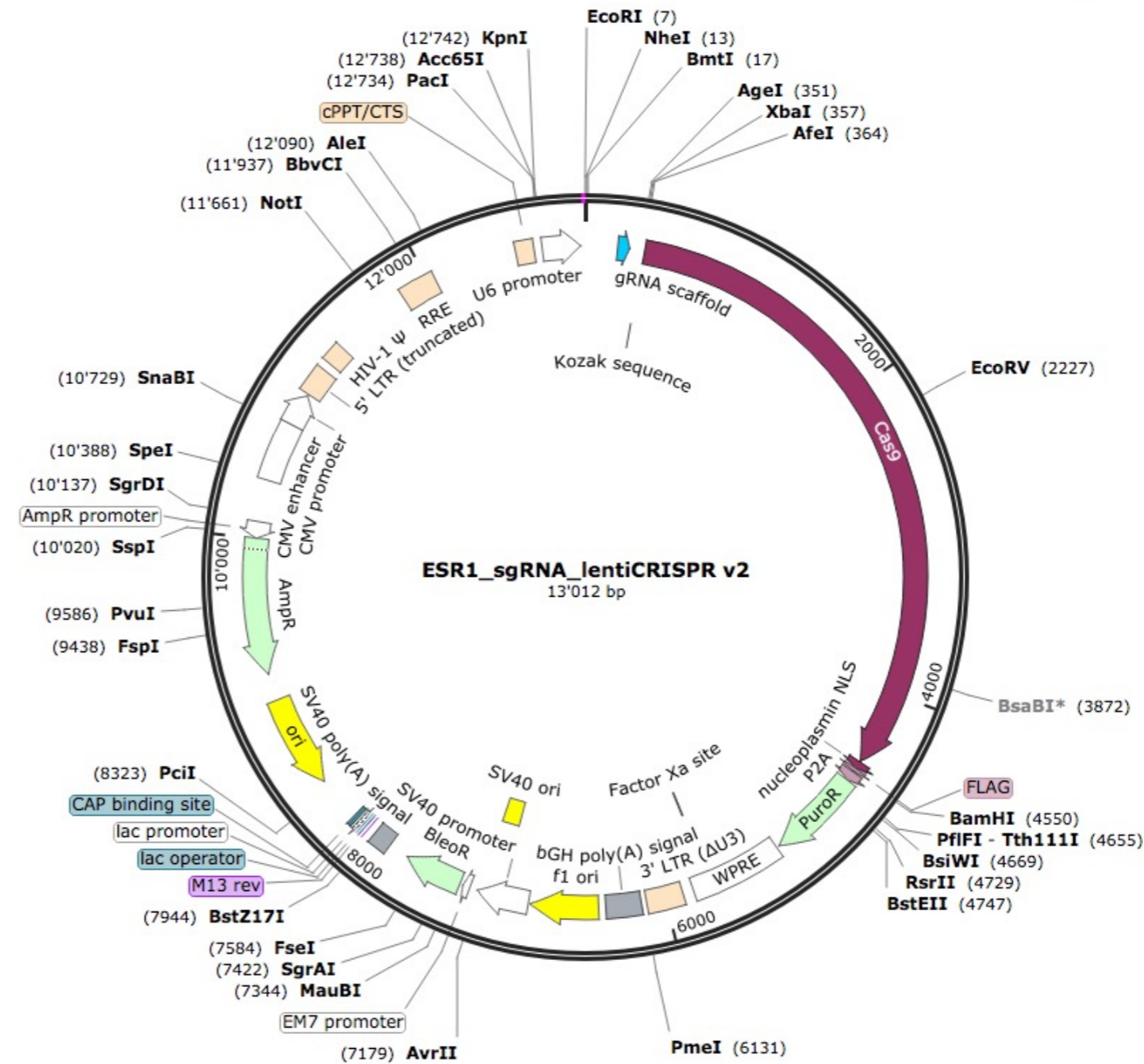
Inserts ESR1_Exon 2 Fwd oligo: CACC TCAGATAATCGACGCCAGGG
 Rev Complement: AAAC CCCTGGCGTCGATTATCTGA
 insert is in magenta color in the map
 Cas9
 gRNA scaffold

Reporter gene

**Promoter,
splice,
PolyA**

Comments The gRNA sequence is the same as one of those in the Brunello library 1 vector backbone
 The lentiCRISPRV2 vector was digested by BsmBI enzyme and the 13 kb backbone was ligated to the 20bp gRNA sequence

Reference Doench et al Nat Biotechnol. 2016 Jan 18. doi: 10.1038/nbt.3437



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.3.19

Constructed by Dina Hany

Date constructed 27.04.2018

PLASMID NAME

ESR1(2)

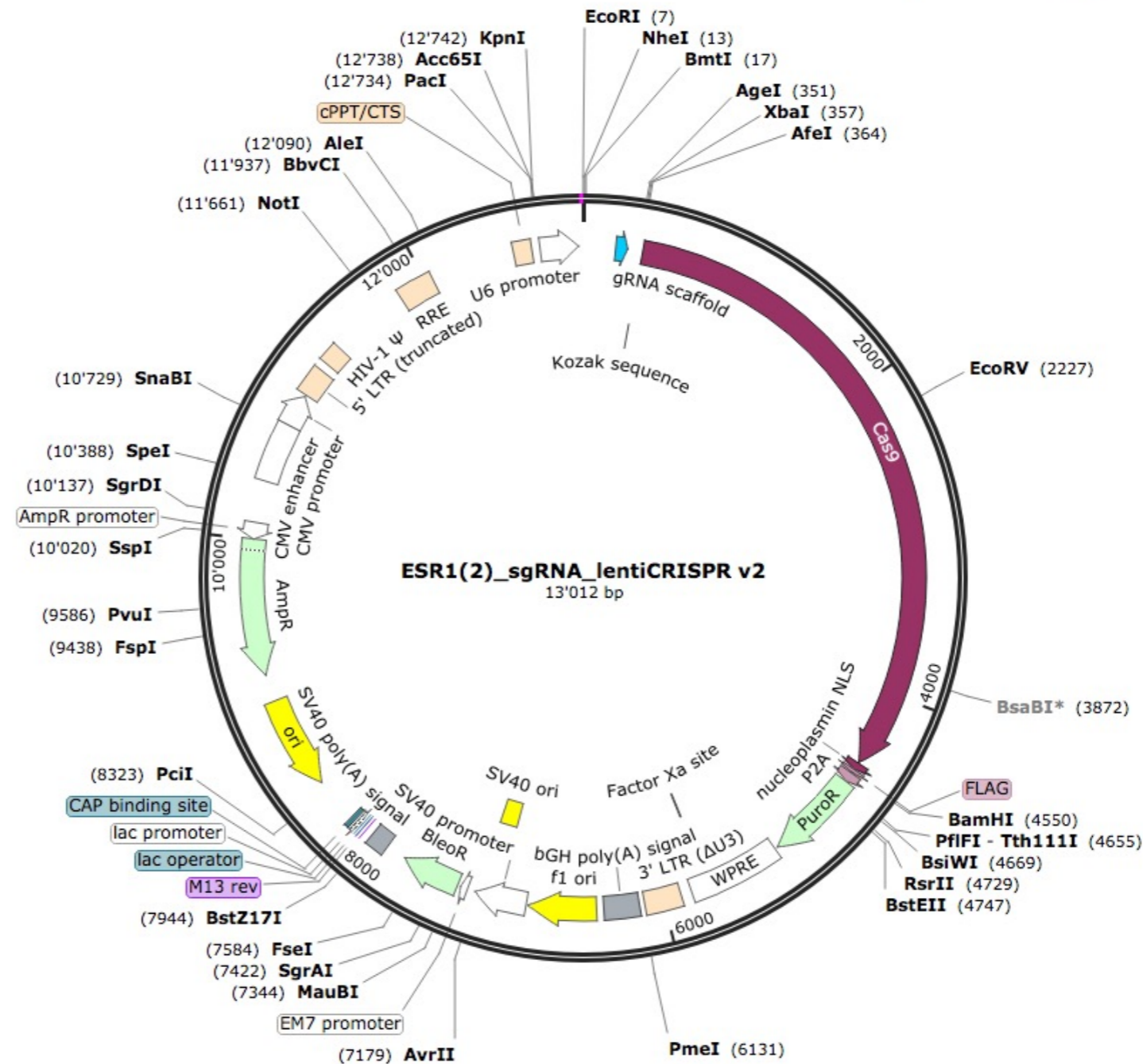
Created with SnapGene®

bacterial marker	Amp Puromycin	parent vector	LentiCRISPR v2
		bacterial plasmid	
		other relevant source constructs	

Inserts	ESR1_Exon 4 Forward oligo: CACC TACTCGGAATAGAGTATCGG Reverse complement : AAAC CCGATACTCTATTCCGAGTA insert is in magenta color in the map Cas9 gRNA scaffold
Reporter gene	<input type="text"/>
Promoter, splice, PolyA	

Comments The gRNA sequence is the same as one of those in the Brunello library 1 vector backbone
The lentiCRISPRV2 vector was digested by BsmBI enzyme and the 13 kb backbone was ligated to the 20bp gRNA sequence

Reference [Doench et al Nat Biotechnol. 2016 Jan 18. doi: 10.1038/nbt.3437.](https://doi.org/10.1038/nbt.3437)



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.3.19

Constructed by Dina Hany

Date constructed 27.04.18

PLASMID NAME

PRKAR1A(1)

bacterial marker Amp

parent vector
LentiCRISPR v2

vertebrate marker Puromycin

bacterial plasmid

other relevant source constructs

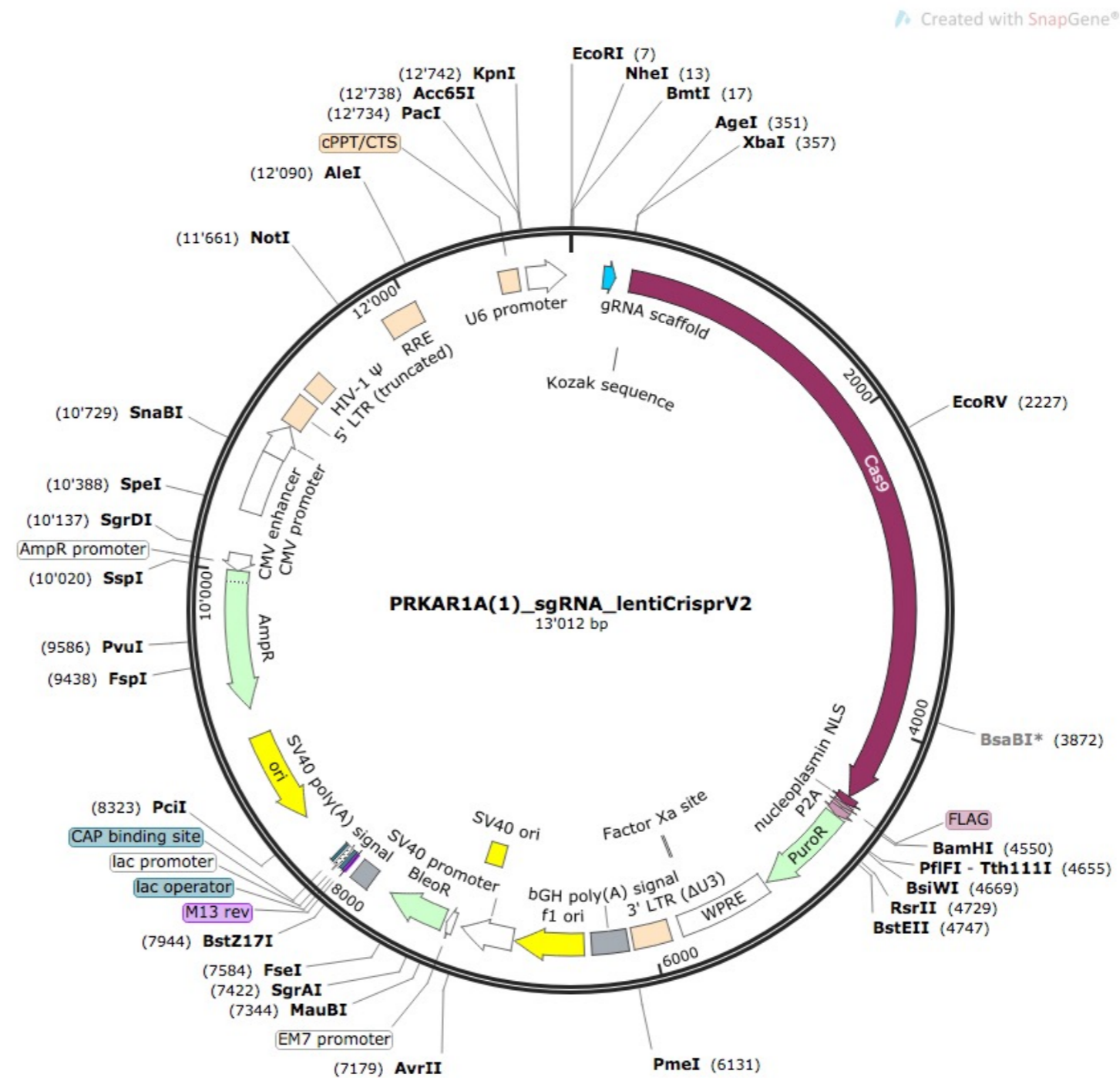
Inserts
PRKAR1A Exon 3
Forward oligo: CACC CAGCGCTGAGGTCTACACGG
Reverse complement: AAAC CCGTGTAGACCTCAGCGCTG
insert is in magenta color in the map
Cas9
gRNA scaffold

Reporter gene

Promoter,
splice,
PolyA

Comments The gRNA sequence is the same as one of those in the Brunello library 1 vector backbone
The lentiCRISPRV2 vector was digested by BsmBI enzyme and the 13 kb backbone was ligated to the 20bp gRNA sequence

Reference Doench et al Nat Biotechnol. 2016 Jan 18. doi: 10.1038/nbt.3437.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 6.3.19

Constructed by Dina Hany

Date constructed 27.04.18

PLASMID NAME

PRKAR1A(2)

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> LentiCRISPR v2
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>

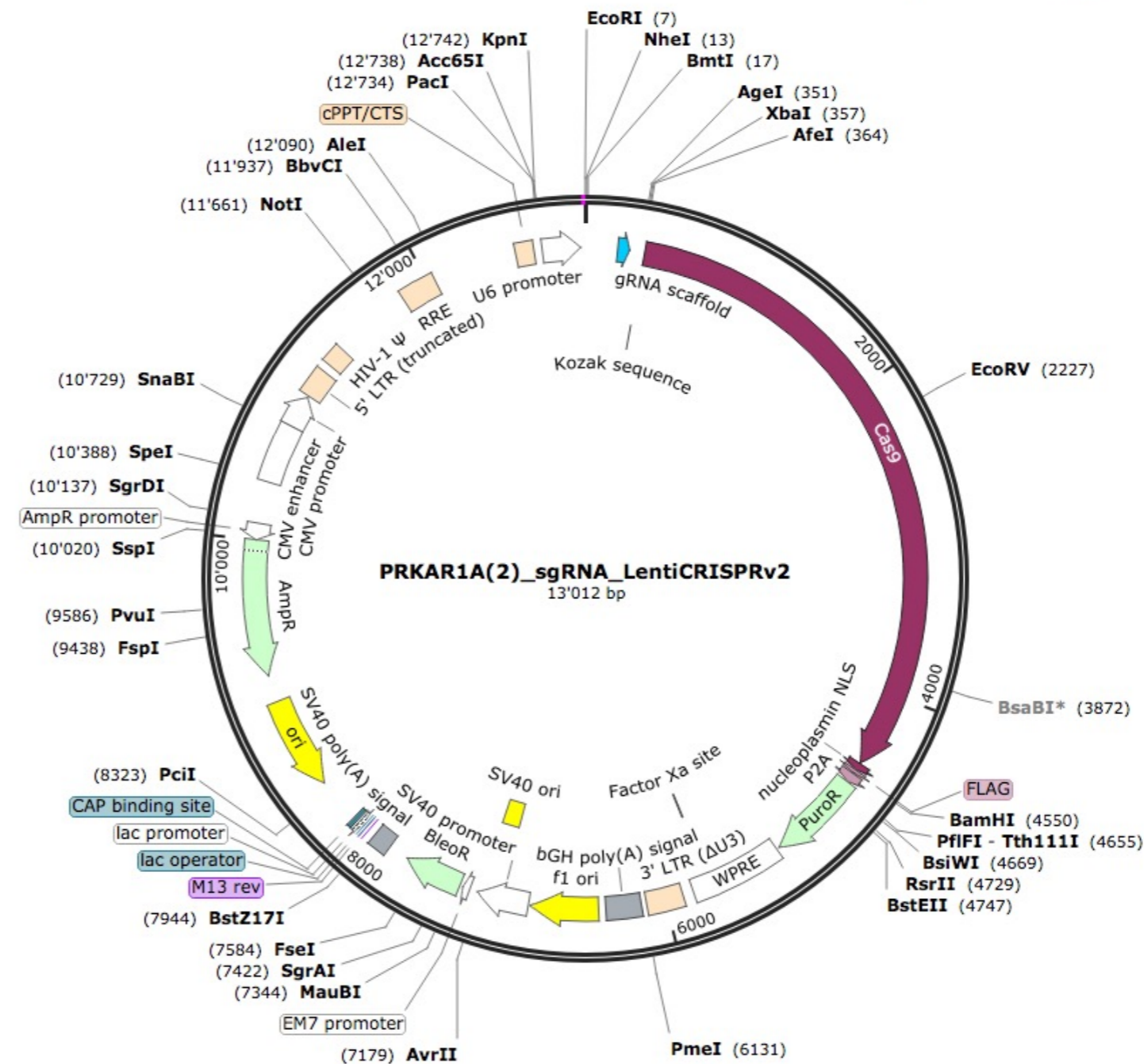
Inserts PRKAR1A Exon 2
 Forward oligo: CACC ACCTCTCAAAGTATTCCTG
 Reverse complement: AAAC CAGGAATACTTTGAGAGGT
 insert is in magenta color in the map
 Cas9
 gRNA scaffold

Reporter gene

**Promoter,
 splice,
 PolyA**

Comments The gRNA sequence is the same as one of those in the Brunello library 1 vector backbone
 The lentiCRISPRV2 vector was digested by BsmBI enzyme and the 13 kb backbone was ligated to the 20bp gRNA sequence

Reference Doench et al Nat Biotechnol. 2016 Jan 18. doi: 10.1038/nbt.3437.



DIDIER PICARD LAB, University of Geneva

Construct number 2882

Date entered 6.3.19

Constructed by Matthias P. Mayer

Date constructed October 2018

PLASMID NAME

pCA528-Hsp90 α (WT)

bacterial marker Kan

parent vector

bacterial plasmid
pBR322

other relevant source constructs

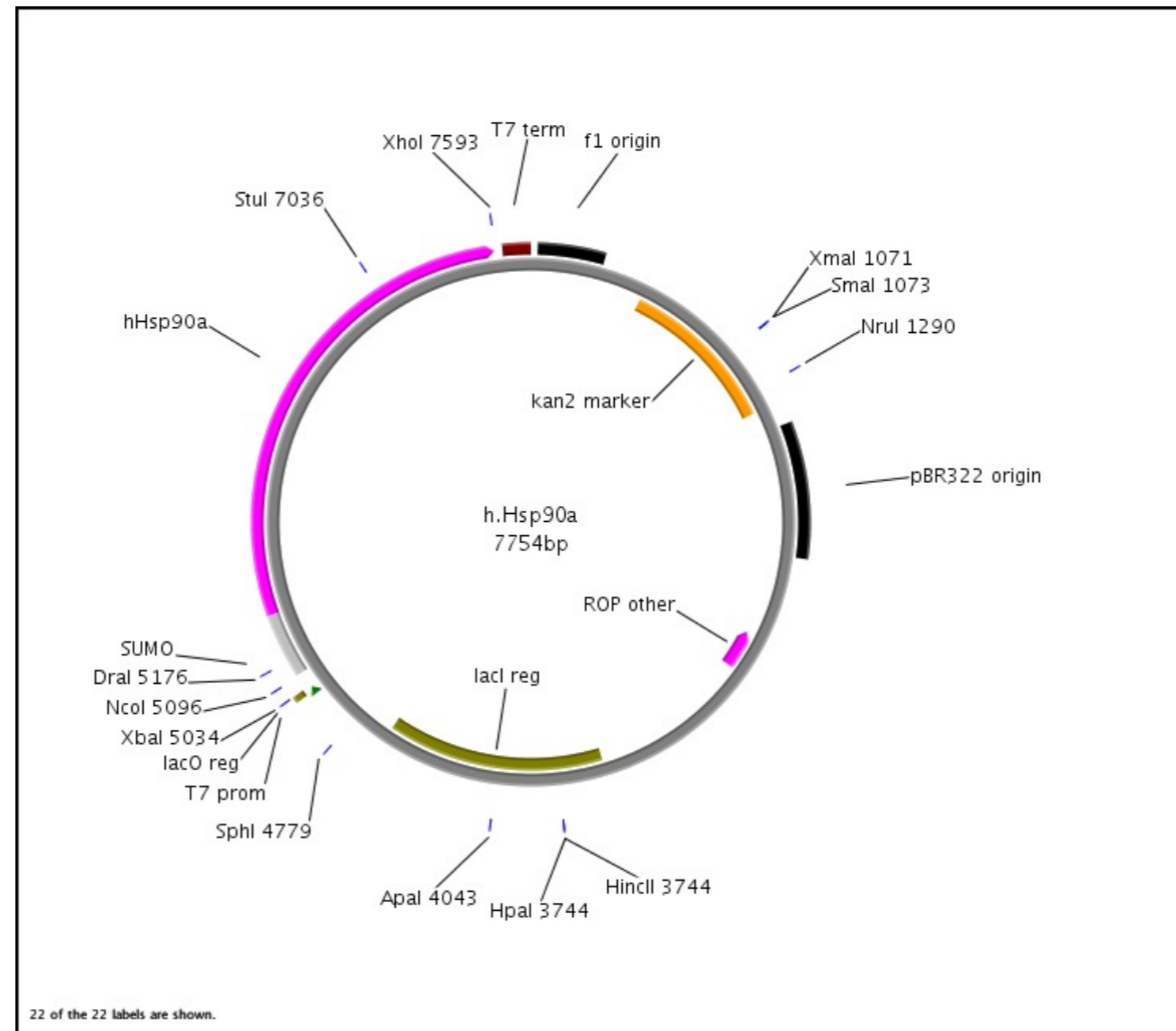
Inserts Human Hsp90 a

Reporter gene

Promoter, splice, PolyA T7 promoter, T7 terminator, N-terminal His-SUMO

Comments seq available

Reference



Construct number 2883

Date entered 6.3.19

Constructed by Kaushik and Lilia

Date constructed

PLASMID NAME

pCA528-Hsp90a (K418A)

bacterial marker Kan

parent vector
pCA528/Hsp90
bacterial plasmid

other relevant source constructs

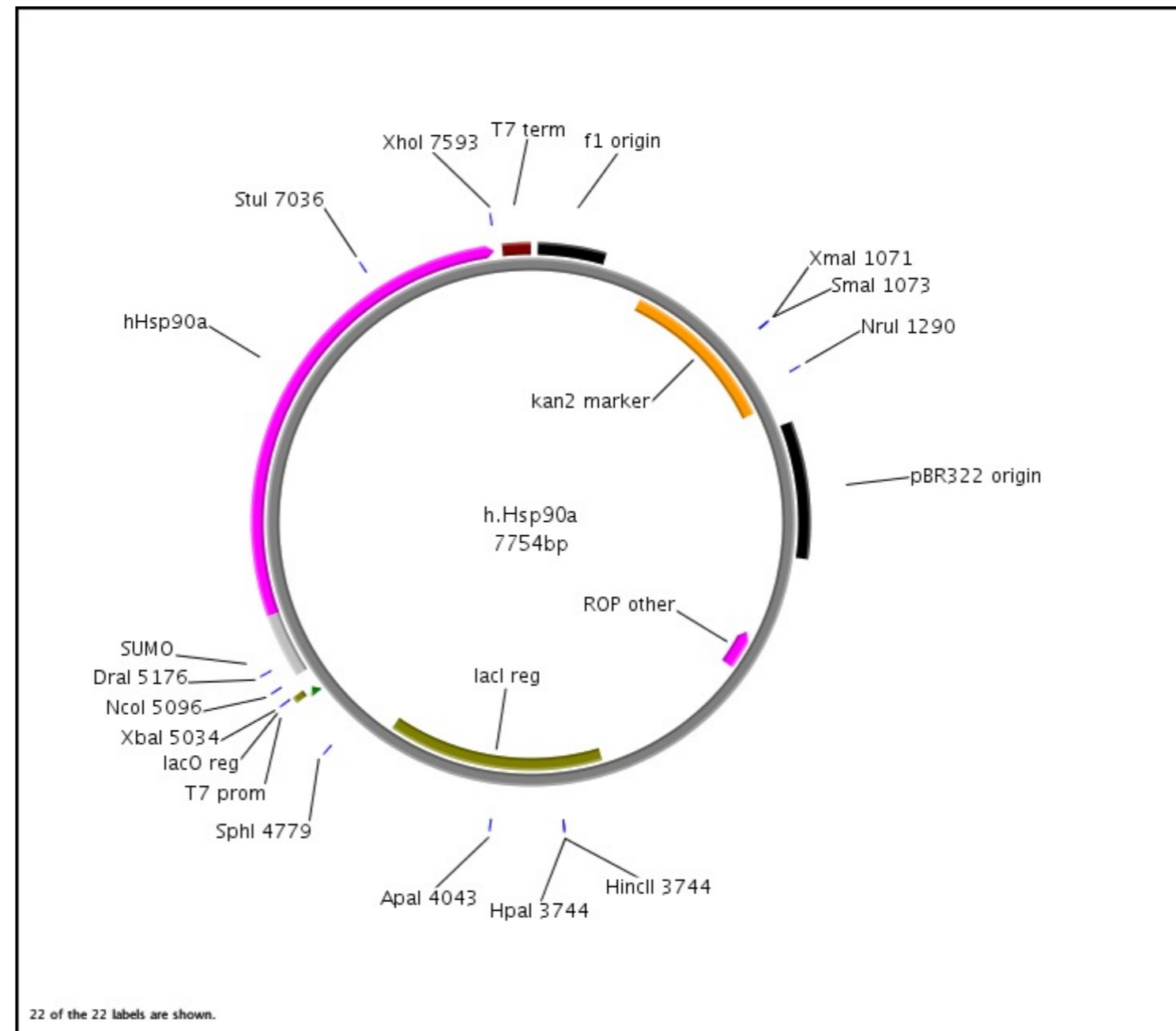
Inserts Human full length Hsp90 alpha with a Hsp70 binding mutation (K418A)

Reporter gene

Promoter, splice, PolyA T7 promoter, T7 terminator, N-terminal His-SUMO

Comments

Reference **Bhattacharya K,.....Picard D.** The Hsp70-Hsp90 co-chaperone Hop/Stip1 shifts the proteostatic balance from folding towards degradation. Nat Commun (2020) Nov 25;11(1):5975.



Construct number 2884

Date entered 6.3.19

Constructed by Kaushik and Lilia

Date constructed

PLASMID NAME

pCA528-Hsp90a (K419A)

bacterial marker Kan

parent vector
pCA528/Hsp90a
bacterial plasmid

other relevant source constructs

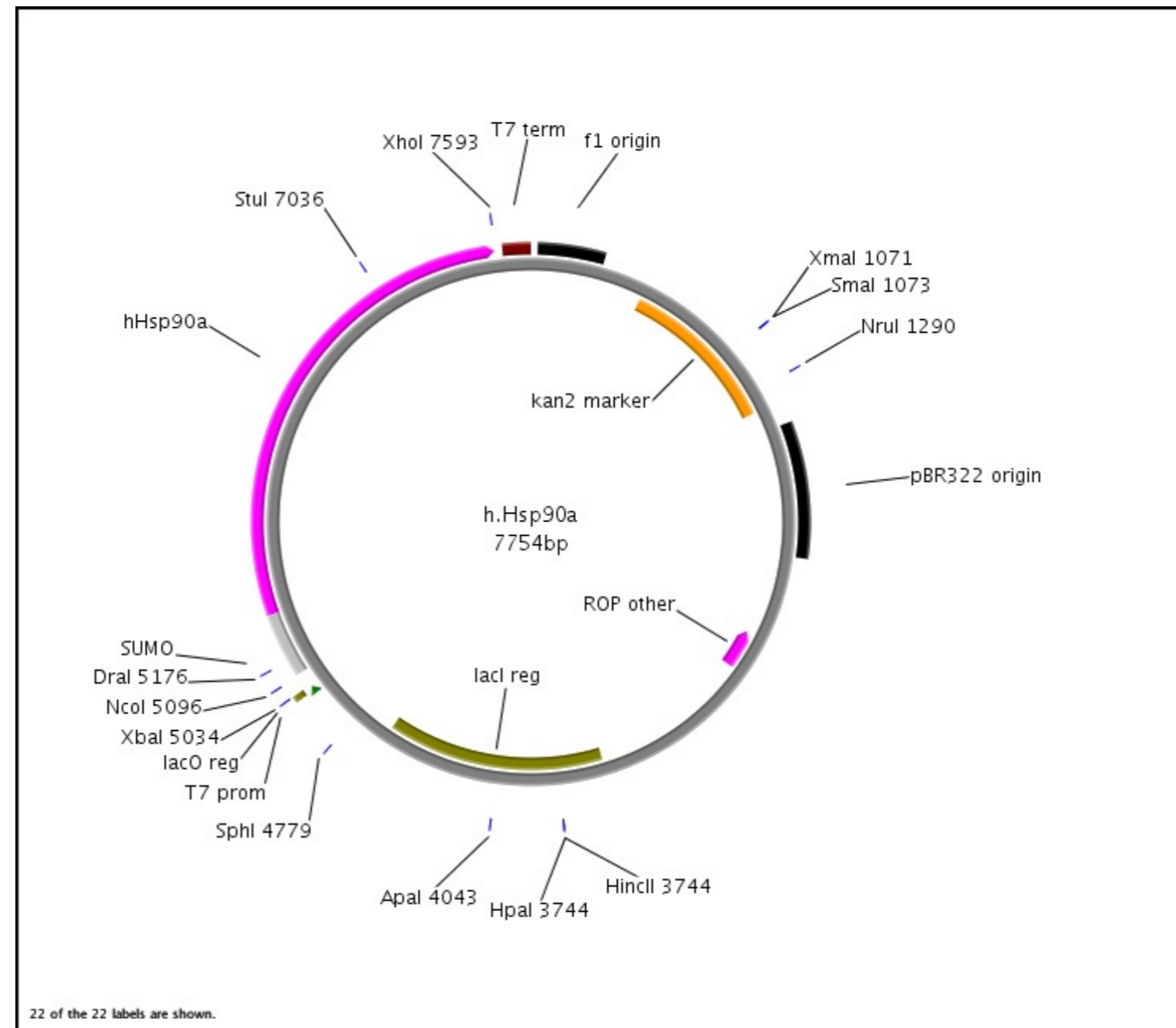
Inserts Human full length Hsp90 alpha with a Hsp70 binding mutation (K419A)

Reporter gene

Promoter, splice, PolyA T7 promoter, T7 terminator, N-terminal His-SUMO

Comments

Reference Bhattacharya K,.....Picard D. The Hsp70-Hsp90 co-chaperone Hop/Stip1 shifts the proteostatic balance from folding towards degradation. Nat Commun (2020) Nov 25;11(1):5975.



Construct number 2885

Date entered 6.3.19

Constructed by Kaushik and Lilia

Date constructed

PLASMID NAME

pCA528-Hsp90a (K418, 419A)

bacterial marker Kan

parent vector
pCA528/Hsp90a
bacterial plasmid

other relevant source constructs

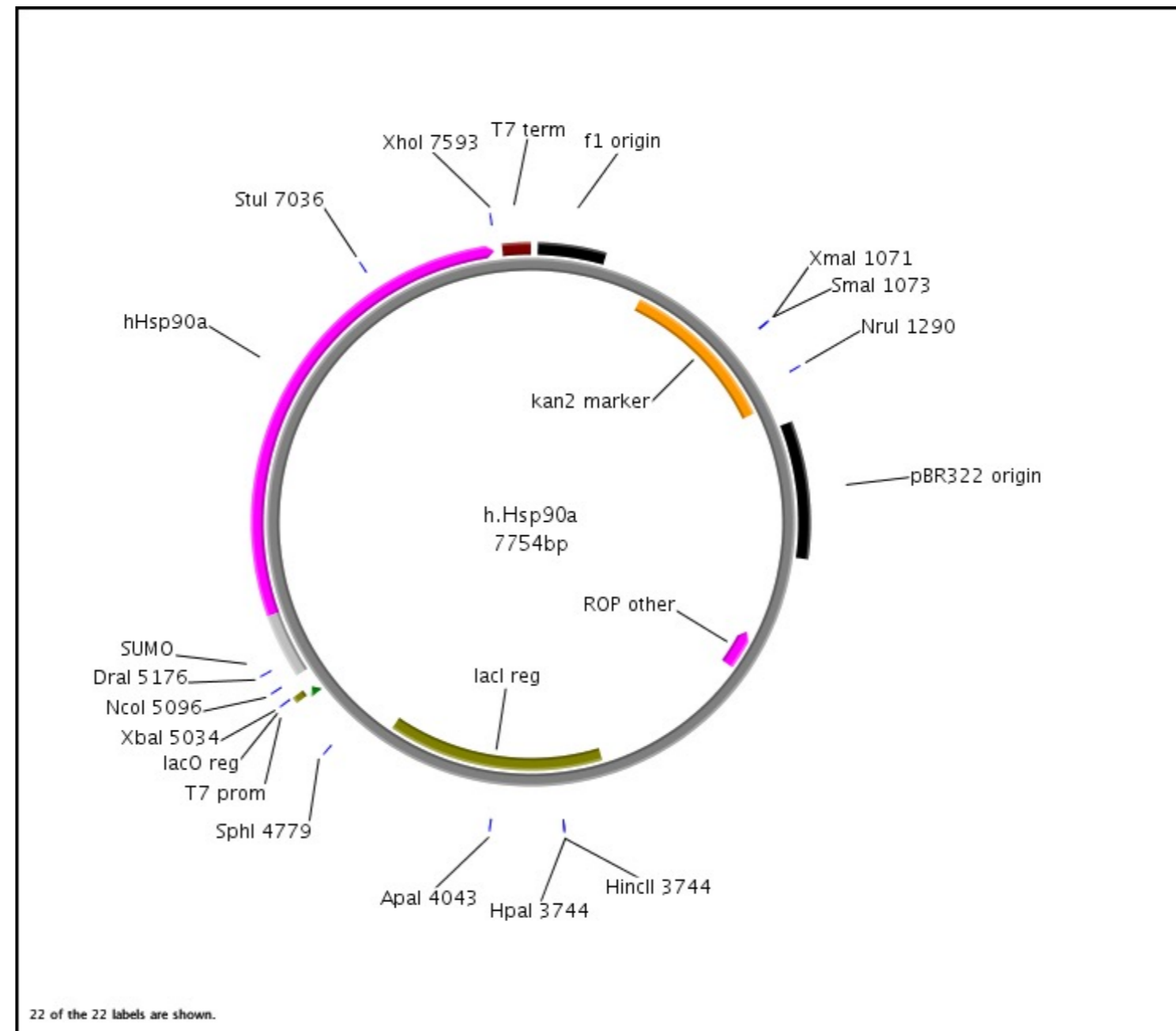
Inserts Human full length Hsp90 alpha with Hsp70 binding mutations (K418A and K419A)

Reporter gene

Promoter, splice, PolyA T7 promoter, T7 terminator, N-terminal His-SUMO

Comments

Reference Bhattacharya K,.....Picard D. The Hsp70-Hsp90 co-chaperone Hop/Stip1 shifts the proteostatic balance from folding towards degradation. Nat Commun (2020) Nov 25;11(1):5975.



Construct number

2886

Date entered

6.3.19

Constructed by

Kaushik and Lilia

Date constructed

PLASMID NAME

pFLAG-CMV2-Hsp90a (K418A)

bacterial marker Amp

parent vector

pFLAG-CMV2/Hsp90a

bacterial plasmid

other relevant source constructs

Inserts

Human full length Hsp90 alpha with a Hsp70 binding mutation (K418A)

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - hGH polyA
PolyA

Comments

Reference

Bhattacharya K,.....Picard D. The Hsp70-Hsp90 co-chaperone Hop/Stip1 shifts the proteostatic balance from folding towards degradation. Nat Commun (2020) Nov 25;11(1):5975.

Construct number

2887

Date entered

6.3.19

Constructed by

Kaushik and Lilia

Date constructed

PLASMID NAME

pFLAG-CMV2-Hsp90a (K419A)

bacterial marker Amp

parent vector

pFLAG-CMV2/Hsp90a

bacterial plasmid

other relevant source constructs

Inserts

Human full length Hsp90 alpha with a Hsp70 binding mutation (K419A)

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - hGH polyA
PolyA

Comments

Reference

Bhattacharya K,.....Picard D. The Hsp70-Hsp90 co-chaperone Hop/Stip1 shifts the proteostatic balance from folding towards degradation. Nat Commun (2020) Nov 25;11(1):5975.

Construct number

2888

Date entered

6.3.19

Constructed by

Kaushik and Lilia

Date constructed

PLASMID NAME

pFLAG-CMV2-Hsp90a (K418, 419A)

bacterial marker Amp

parent vector

pFLAG-CMV2/Hsp90a

bacterial plasmid

other relevant source constructs

Inserts

Human full length Hsp90 alpha with Hsp70 binding mutations (K418A and K419A)

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - hGH polyA
PolyA

Comments

Reference

Bhattacharya K,.....Picard D. The Hsp70-Hsp90 co-chaperone Hop/Stip1 shifts the proteostatic balance from folding towards degradation. Nat Commun (2020) Nov 25;11(1):5975.

Construct number 2889

Date entered 6.3.19

Constructed by Kaushik

Date constructed

PLASMID NAME

pcDNA3.1(+)-HA-Hsp70

bacterial marker Amp

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

pcDNA3.1(+)

bacterial plasmid

other relevant source constructs

Inserts human Hsp70 (HSPA1) was cloned with an engineered N-terminal HA tag between EcoRI and BamHI restriction site of pcDNA3.1(+).

Strong expression of HA-Hsp70.

Reporter gene

Promoter,
splice,
PolyA

- CMV enhancer/promoter
- T7 promoter/priming site
- BGH poly A sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early poly A signal
- pUC origin

Comments

Reference **Bhattacharya K,.....Picard D.** The Hsp70-Hsp90 co-chaperone Hop/Stip1 shifts the proteostatic balance from folding towards degradation. Nat Commun (2020) Nov 25;11(1):5975. (in the initial submission, at the end we removed the experiment with this plasmid)

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.3.19

Constructed by Dina Hany

Date constructed 27.04.18

PLASMID NAME

Scrambled_sgRNA_LentiCRISP

Created with SnapGene®

bacterial marker Amp	parent vector LenCRISPR v2
vertebrate marker Puromycin	bacterial plasmid
other relevant source constructs	

Inserts Scrambled: Fwd oligo: CACC GACATCTGATCGGCGAGACA
 Rev complement: AAAC TGTCTCGCCGATCAGATGTC
 It is a scrambled sequence from ESR1 gene, generated by GENESCRIP website (<https://www.genscript.com/tools/create-scrambled-sequence>).

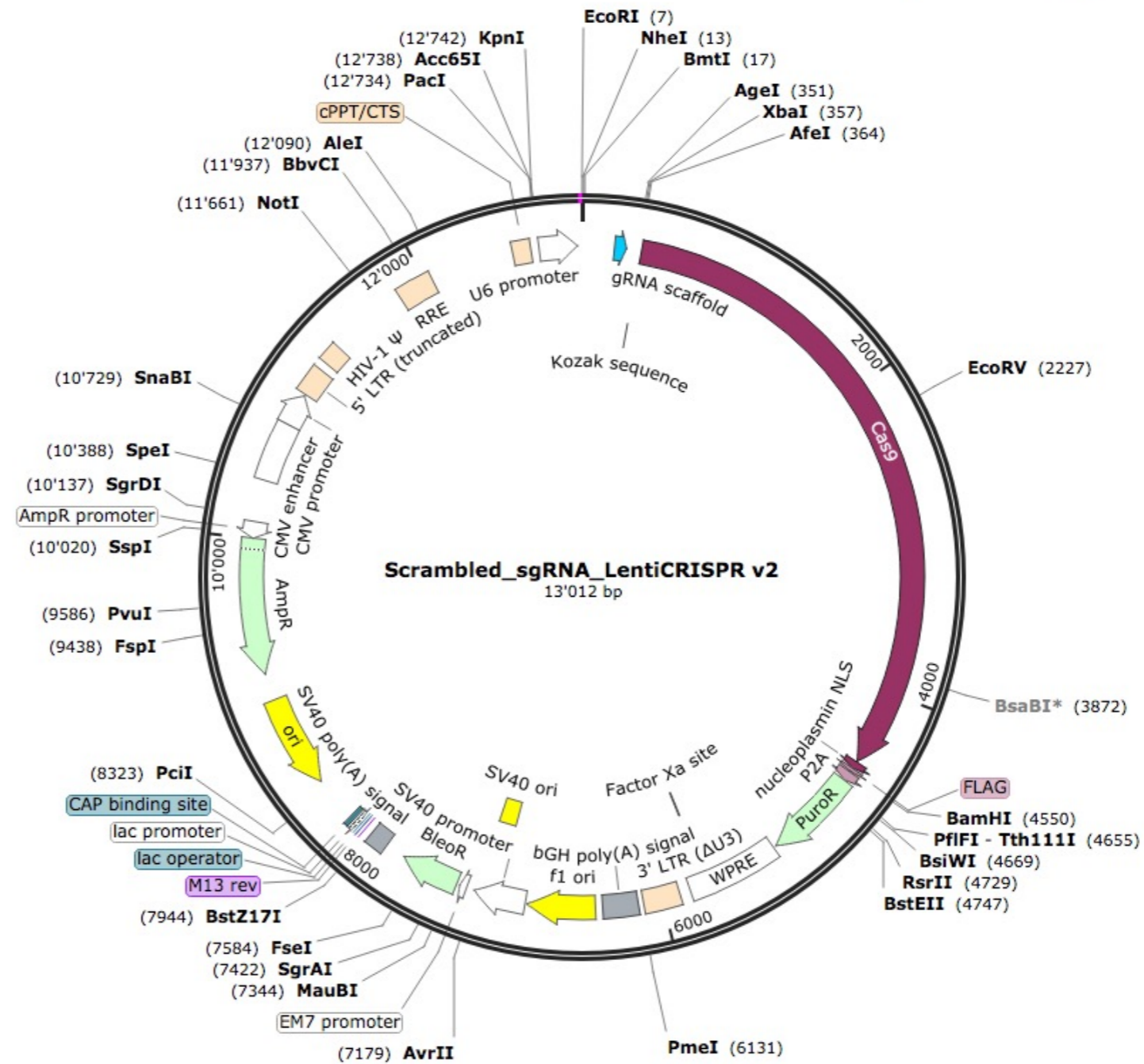
insert is in magenta color in the map
 Cas9
 gRNA scaffold

Reporter gene

Promoter, splice, PolyA

Comments The lentiCRISPRV2 vector was digested by BsmBI enzyme and the 13 kb backbone was ligated to the 20bp gRNA sequence

Reference



Construct number 2891

Date entered 1.4.19

Constructed by Amy Keating lab

Date constructed

PLASMID NAME

pQLinkHD-SYNZIP1

bacterial marker Amp

parent vector pQE-2

bacterial plasmid

other relevant source constructs

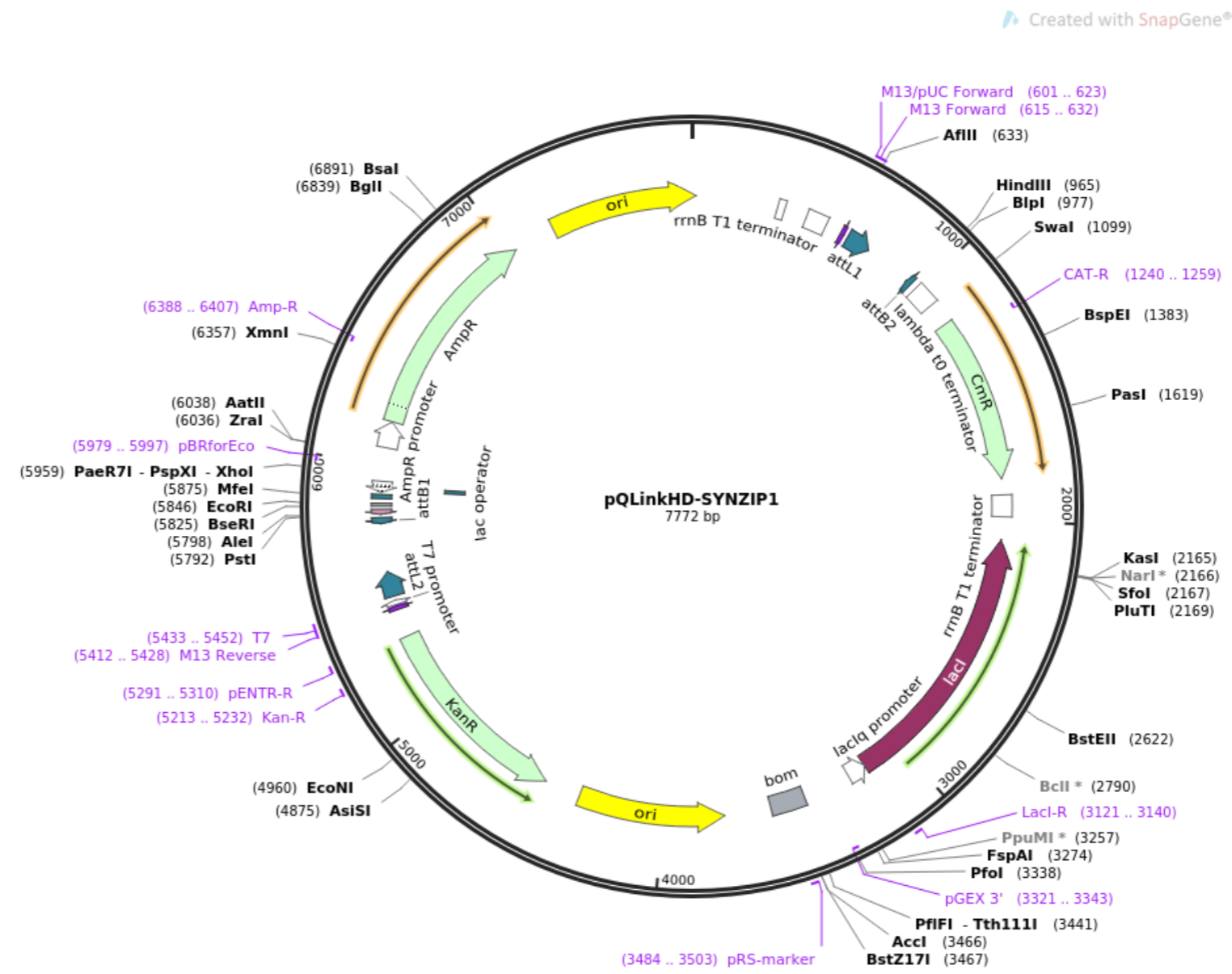
Inserts His7 tag fused to artificial SINZIP1 coiled-coil sequence (sequence is: NL VAQLENE VASLENE NETLKKK NLHKKDL IAYLEKE IANLRKK IEE)

Reporter gene

Promoter, splice, PolyA

Comments - Addgene plasmid # 80647 - sequence available - SYNZIP1 sequence occurs twice in plasmid (between att sequences)

Reference Thompson et al. (2012) ACS Synth. Biol. 1, 118.



Construct number 2892

Date entered 1.4.19

Constructed by Amy Keating lab

Date constructed

PLASMID NAME

pQLinkHD-SYNZIP2

Created with SnapGene®

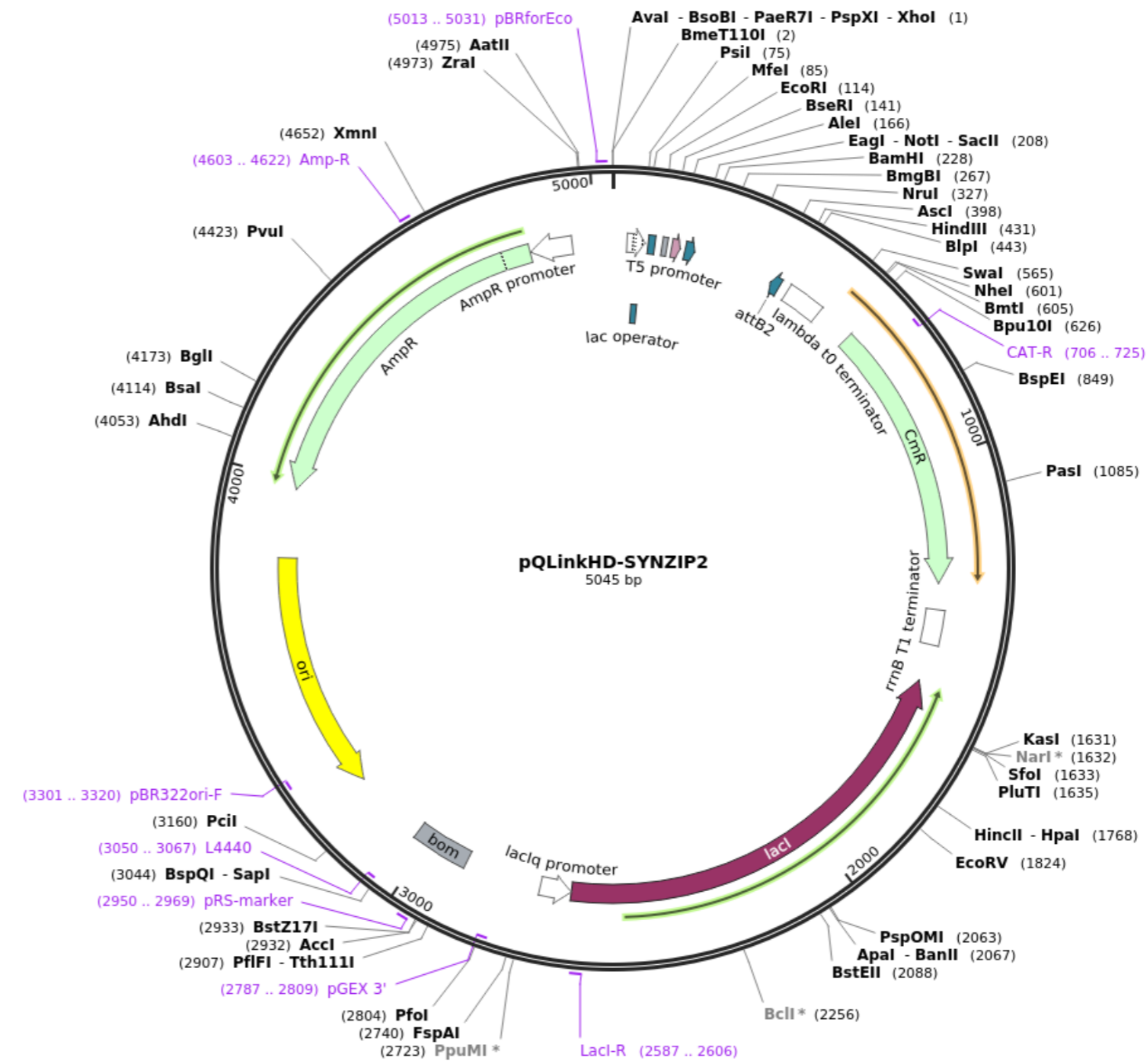
bacterial marker Amp	parent vector pQE-2
	bacterial plasmid
other relevant source constructs	

Inserts	His7 tag fused to artificial SINZIP2 coiled-coil sequence (sequence is: AR NAYLRKK IARLKKD NLQLERD EQNLEKI IANLRDE IARLENE VASHEQ)
Reporter gene	
Promoter, splice, PolyA	

Comments

- Addgene plasmid # 80658
- sequence available
- SYNZIP2 sequence may occur twice in plasmid (between att sequences)

Reference Thompson et al. (2012) ACS Synth. Biol. 1, 118.



DIDIER PICARD LAB, University of Geneva

Construct number

2893

Date entered

25.4.19

Constructed by

Nastaran Ghahhari

Date constructed

01-2019

PLASMID NAME

pTRIPz-ΔHD_ZEB1

bacterial marker

Amp

vertebrate marker

Puromycin

parent vector

pTRIPz

bacterial plasmid

other relevant source constructs

Inserts

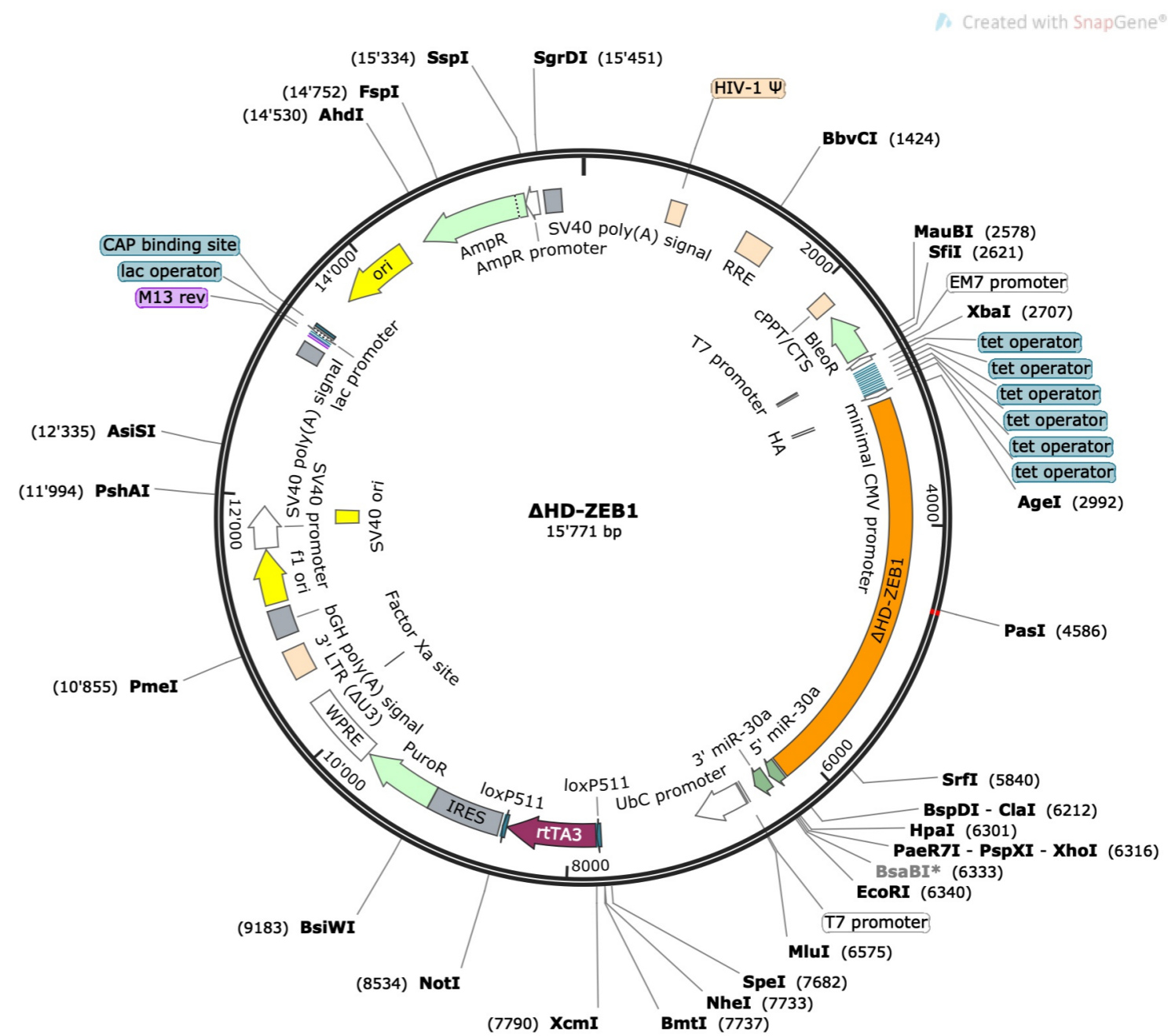
HA-tagged ZEB1 with homeodomain deletion (aa: 559 - 618) in tet-on system vector. The insert is in a lentiviral vector. Can be used for transient and stable expression. The mutant ZEB1 is expressed in presence of doxycycline (1ug/ul).

Reporter gene

Promoter, splice, PolyA - EM7 promoter with multiple copies of Tet operator
- T7

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 25.4.19

Constructed by Nastaran Ghahhari

Date constructed

PLASMID NAME

PLKO.1-sh1-TFAP2C

Created with SnapGene®

<u>bacterial marker</u>	Amp	<u>parent vector</u>	PLKO1
	Puromycin	<u>bacterial plasmid</u>	
	SV40 ori	<u>other relevant source constructs</u>	

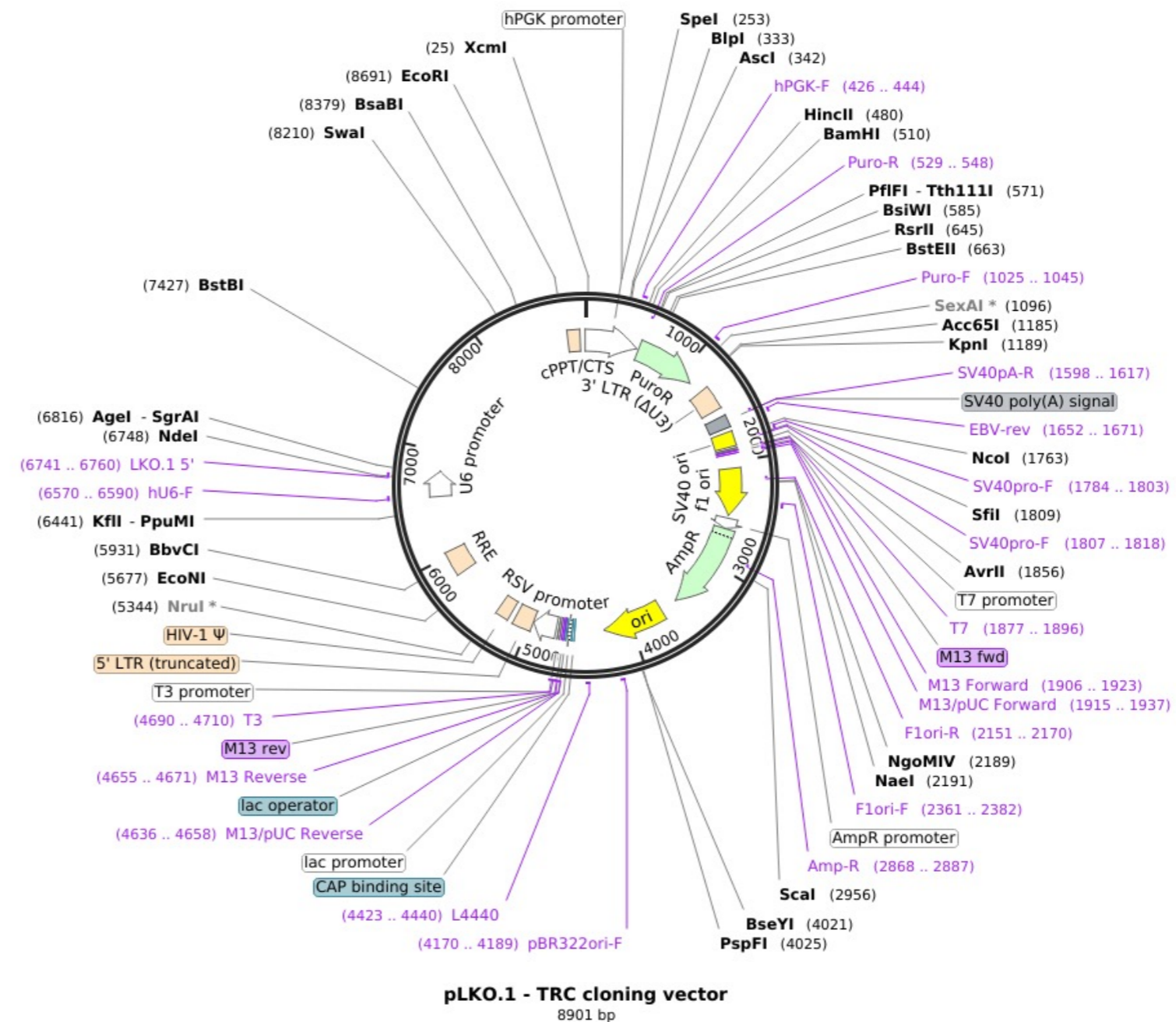
Inserts Sequence directed against TFAP2C (AP2gamma) inserted between EcoRI and AgeI restriction sites in PLKO1.
The targeting hairpin sequence is as follows:
CCGGGCTGAGCTATCTCCTAACTTTCTCGAGAAAGTTAGGAGATAGC
TCAGCTTTTTG

Reporter gene

Promoter, U6 promoter
splice,
PolyA

Comments Knockdown efficiency is high (>70%)

Reference Sequence was designed manually.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 25.4.19

Constructed by Nastaran Ghahhari

Date constructed

PLASMID NAME

PLKO.1-sh2-TFAP2C

<u>bacterial marker</u>	Amp	<u>parent vector</u>	PLKO1
	Puromycin	<u>bacterial plasmid</u>	
	SV40 ori	<u>other relevant source constructs</u>	

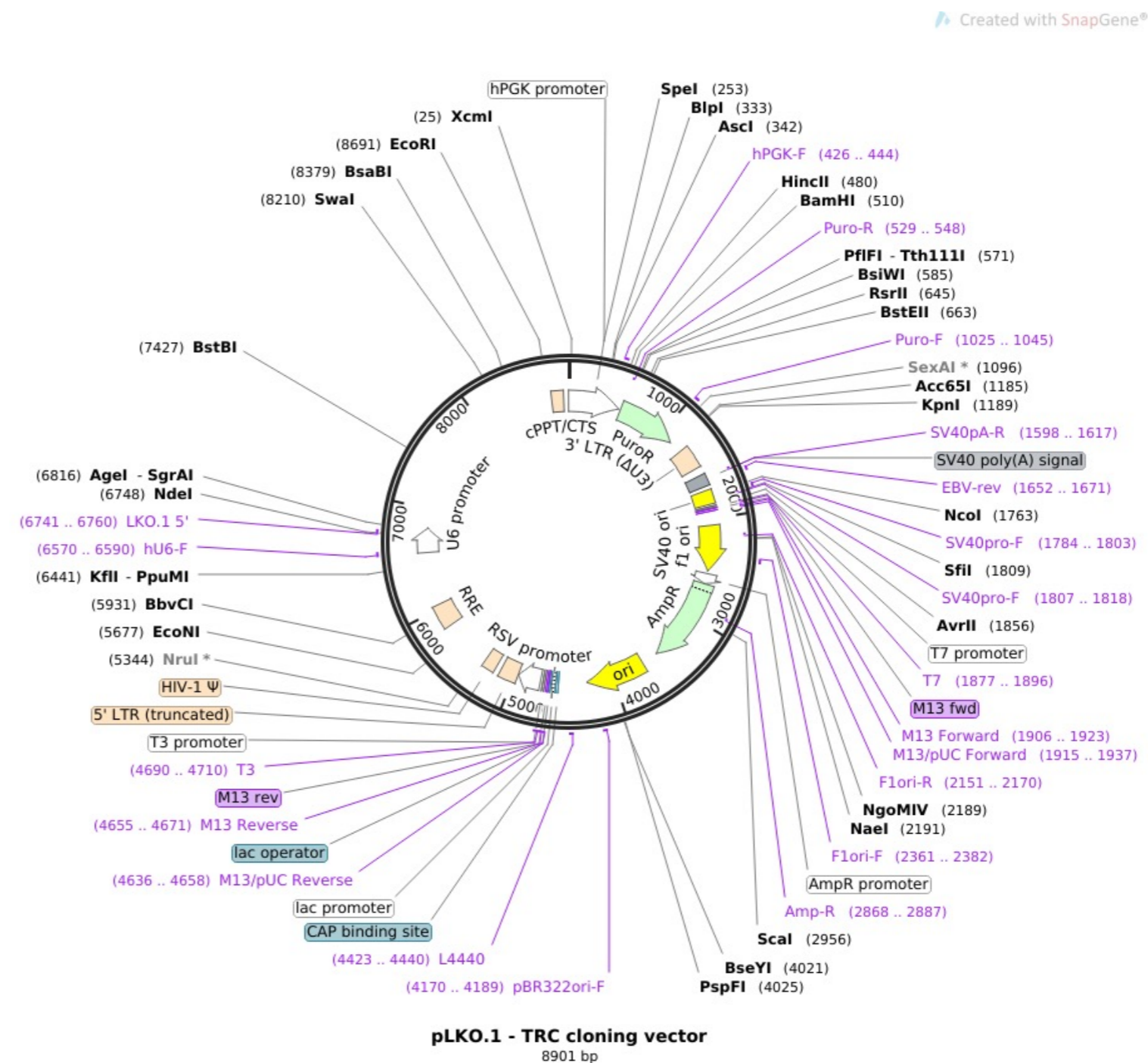
Inserts Sequence directed against TFAP2C (AP2gamma) inserted between EcoRI and AgeI restriction sites in PLKO1. The targeting hairpin sequence is as follows:
CCGGCCTCAGCTCTACGTCTAAATACTCGAGTATTTAGACGTAGAGC
TGAGGTTTTTG

Reporter gene

Promoter, U6 promoter
splice,
PolyA

Comments Knockdown efficiency is high (>70%)

Reference Sequence was designed manually.



Construct number 2896

Date entered 26.4.19

Constructed by Connie Cepko lab

Date constructed

PLASMID NAME

AAV-CMV-SOD2-2A-Catalase-WPRE

bacterial marker Amp	parent vector
	bacterial plasmid
	low copy
	other relevant source constructs

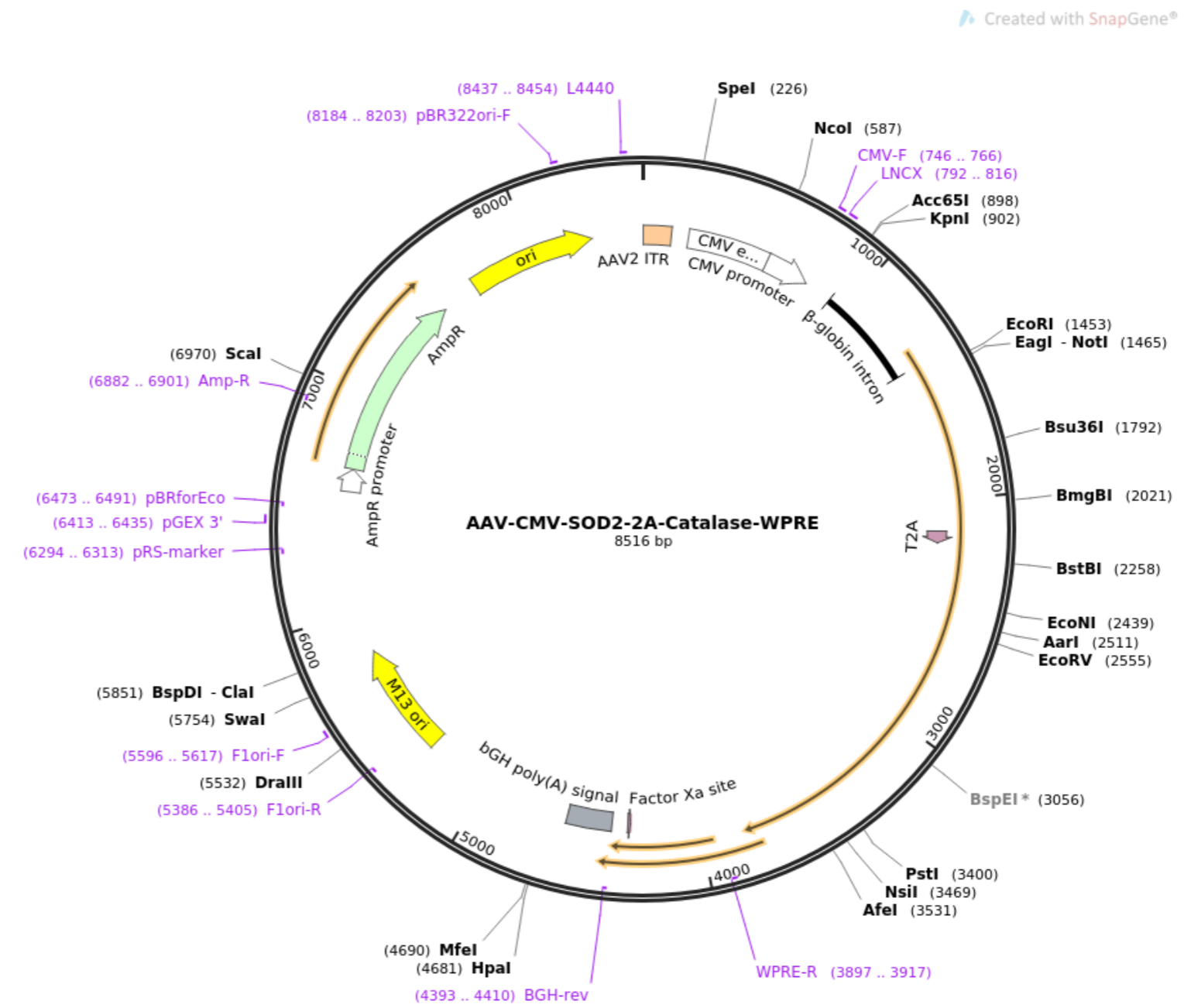
Inserts AAV vector expressing both SOD2 and mitochondrial targeted catalase (truncated of its peroxisome targeting signal)

Reporter gene

Promoter, splice, PolyA CMV, β -globin intron and bGH polyA

Comments - Addgene plasmid # 67635
- sequence available

Reference Xiong et al. (2015) J. Clin. Invest. 125, 1433



Construct number

2897

Date entered

26.4.19

Constructed by

Nina Papavasiliou lab

Date constructed

PLASMID NAME

pLew100::NLS-ISceI-HA

bacterial marker Amp

parent vector

vertebrate marker Zeocin

bacterial plasmid

unknown

other relevant source constructs

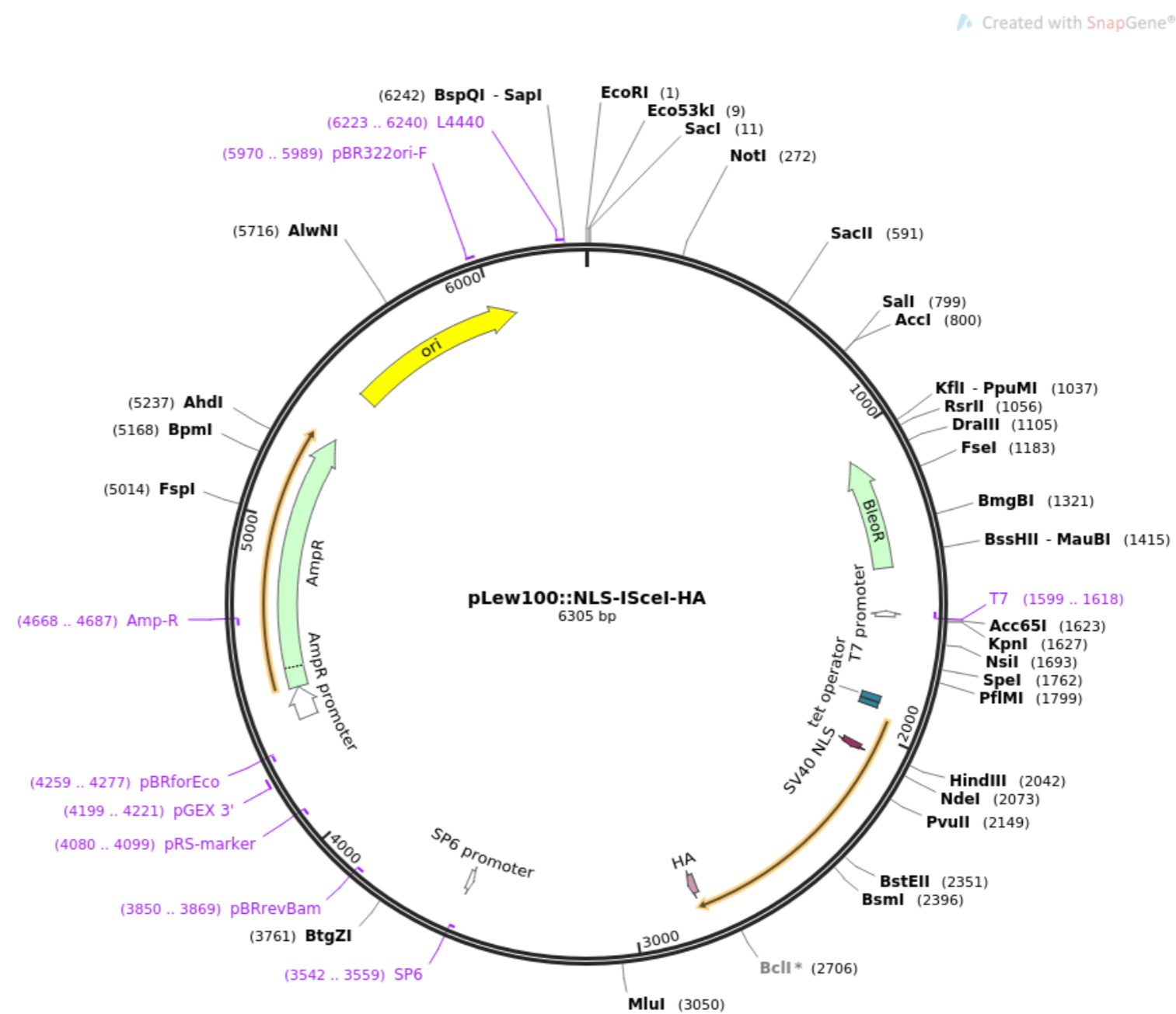
Inserts Homing endonuclease I-SceI with N-terminal NLS and C-terminal HA tag

Reporter gene

Promoter, splice, PolyA Tet operator, perhaps minimal mammalian promoter

Comments - Addgene plasmid # 21299
- sequence available
- recognition site for I-SceI: TAGGGATAACAGGGTAAT

Reference Boothroyd et al. (2009) Nature 459, 278



Construct number

2898

Date entered

26.4.19

Constructed by

Jan Karlseder lab

Date constructed

PLASMID NAME

pLCN DRR

bacterial marker Amp

parent vector

pLenti CMV neo

vertebrate marker Neo (G418)

bacterial plasmid

high copy

other relevant source constructs

Inserts

DSB Repair Reporter (DRR). Expresses GFP after cut of two inverted I-SceI sites (between Neo gene and GFP) and repair by NHEJ.

Intact or partially cut DRRs lack GFP expression owing to the presence of a STOP codon between the two I-SceI sites.

Reporter gene

Promoter, splice, PolyA Lenti expression driven by RSV

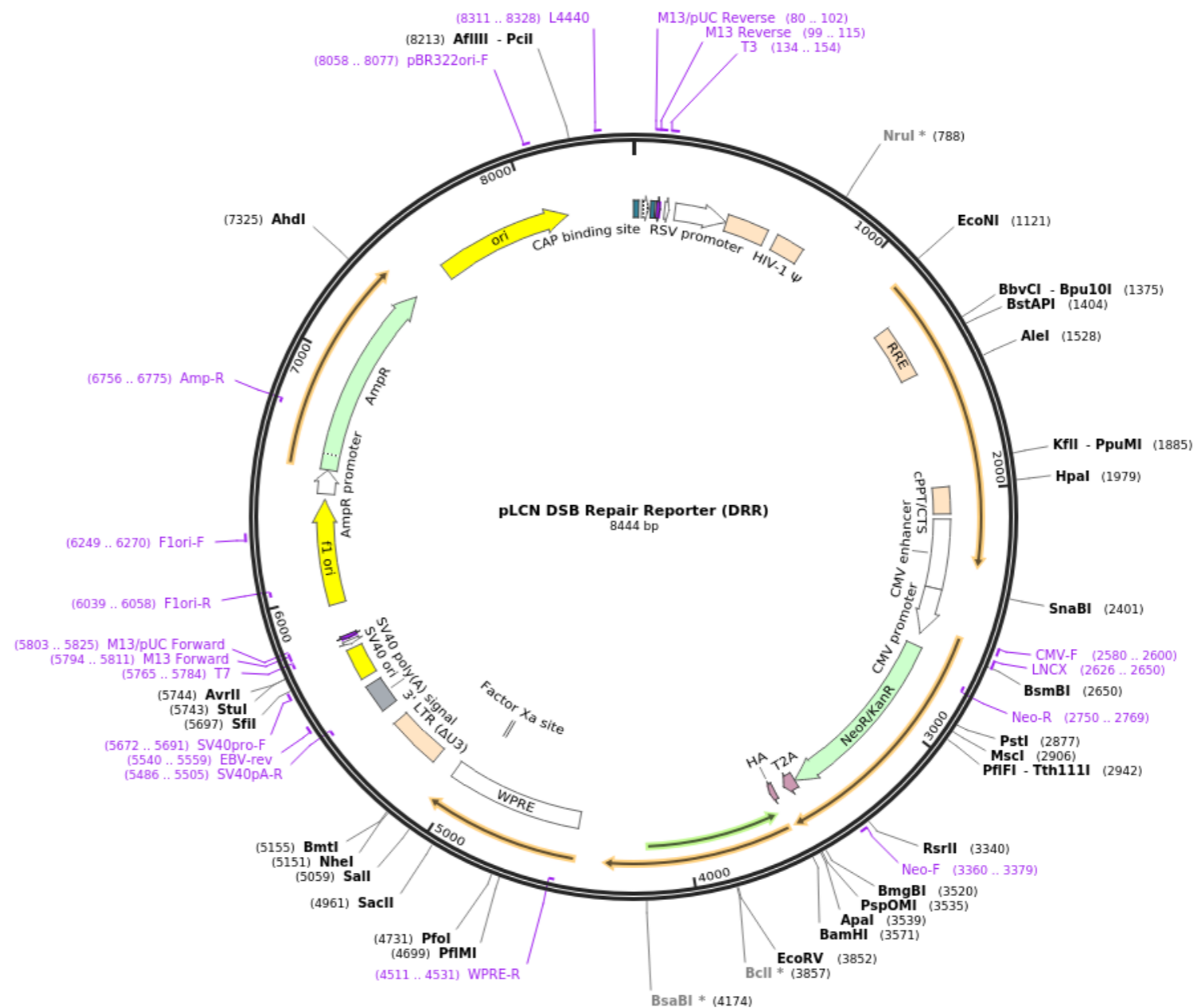
Comments

- Addgene plasmid # 98895
- sequence available
- recognition site for I-SceI: TAGGGATAACAGGGTAAT

Reference

Arnoult et al. (2017) Nature 549, 548

Created with SnapGene®



Construct number 2899

Date entered 8.5.19

Constructed by Tom Misteli lab

Date constructed

PLASMID NAME

ISceI-GR-RFP

Created with SnapGene®

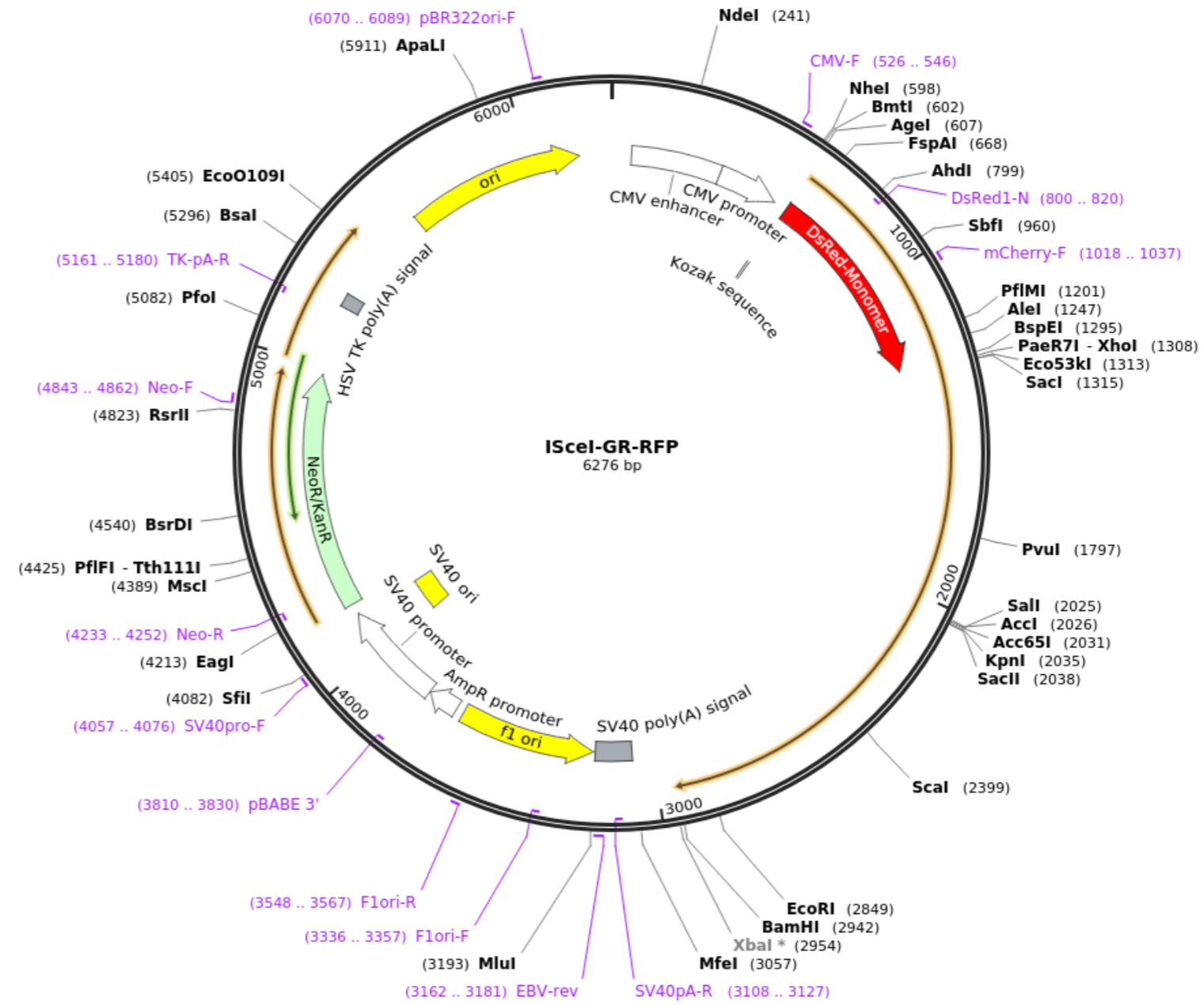
bacterial marker	Kan	parent vector	pDsRed-Monomer-C1
vertebrate marker	Neo (G418)	bacterial plasmid	
eukaryotic replicon	SV40 ori	other relevant source constructs	

Inserts	Homing endonuclease I-SceI with N-terminal DsRed and C-terminal hormone binding domain (HBD) of rat GR (with C656G point mutant)
Reporter gene	
Promoter, splice, PolyA	CMV enhancer, promoter SV40 polyA

Comments

- Addgene plasmid #17654
- sequence available
- C656G has much higher affinity for Dex (Kucera et al., 2002, JBC)
- recognition site for I-SceI: TAGGGATAACAGGGTAAT

Reference Soutoglou et al. (2007) Nat. Cell Bio. 9, 675



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 23.5.19

Constructed by Amit Kumar and Diana Wider

Date constructed 05.2019

PLASMID NAME

yΔc-Zip1H

bacterial marker Amp	parent vector p2LG/yΔc-ccA-S
yeast marker LEU2	bacterial plasmid BS
eucaryotic replicon 2μ circle	other relevant source constructs

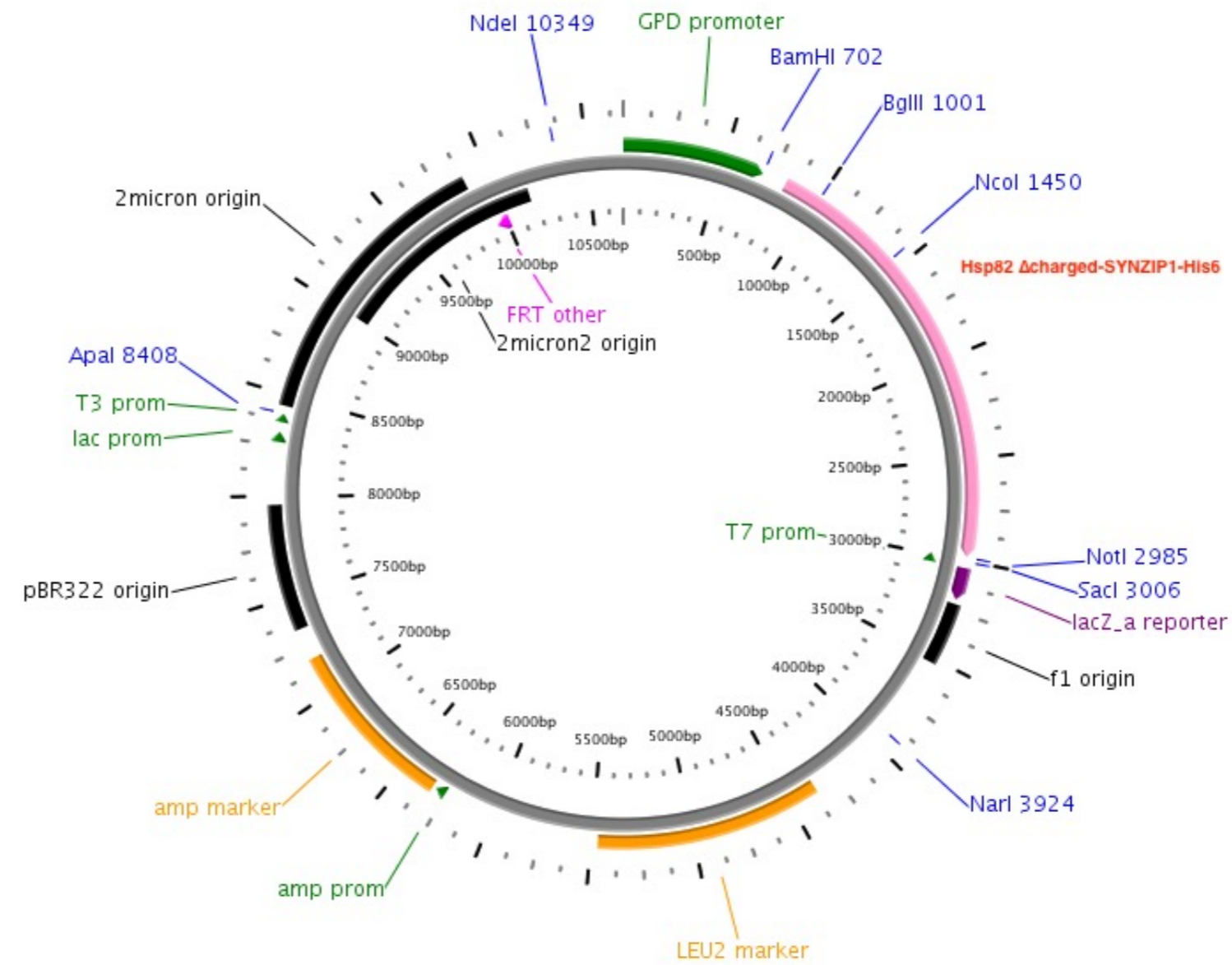
Inserts Full-length yeast Hsp82 without charged domain (Δ AA 211-259) with C-terminal coiled-coil sequence SYNZIP1 and His6 tag

Reporter gene

Promoter, splice, PolyA GPD promoter

Comments - sequence available

Reference - Source of SYNZIP1, plasmid pQLinkHD-SYNZIP1, was a gift from Amy Keating (Addgene plasmid # 80647); Thompson et al. (2012) *ACS Synth Biol.* 1, 118-129.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 23.5.19

Constructed by Amit Kumar and Diana Wider

Date constructed 05.2019

PLASMID NAME

yΔc-Zip2S

bacterial marker Amp	parent vector p2U/yΔc-SpyC
yeast marker URA3	bacterial plasmid BS
eucaryotic replicon 2μ circle	other relevant source constructs

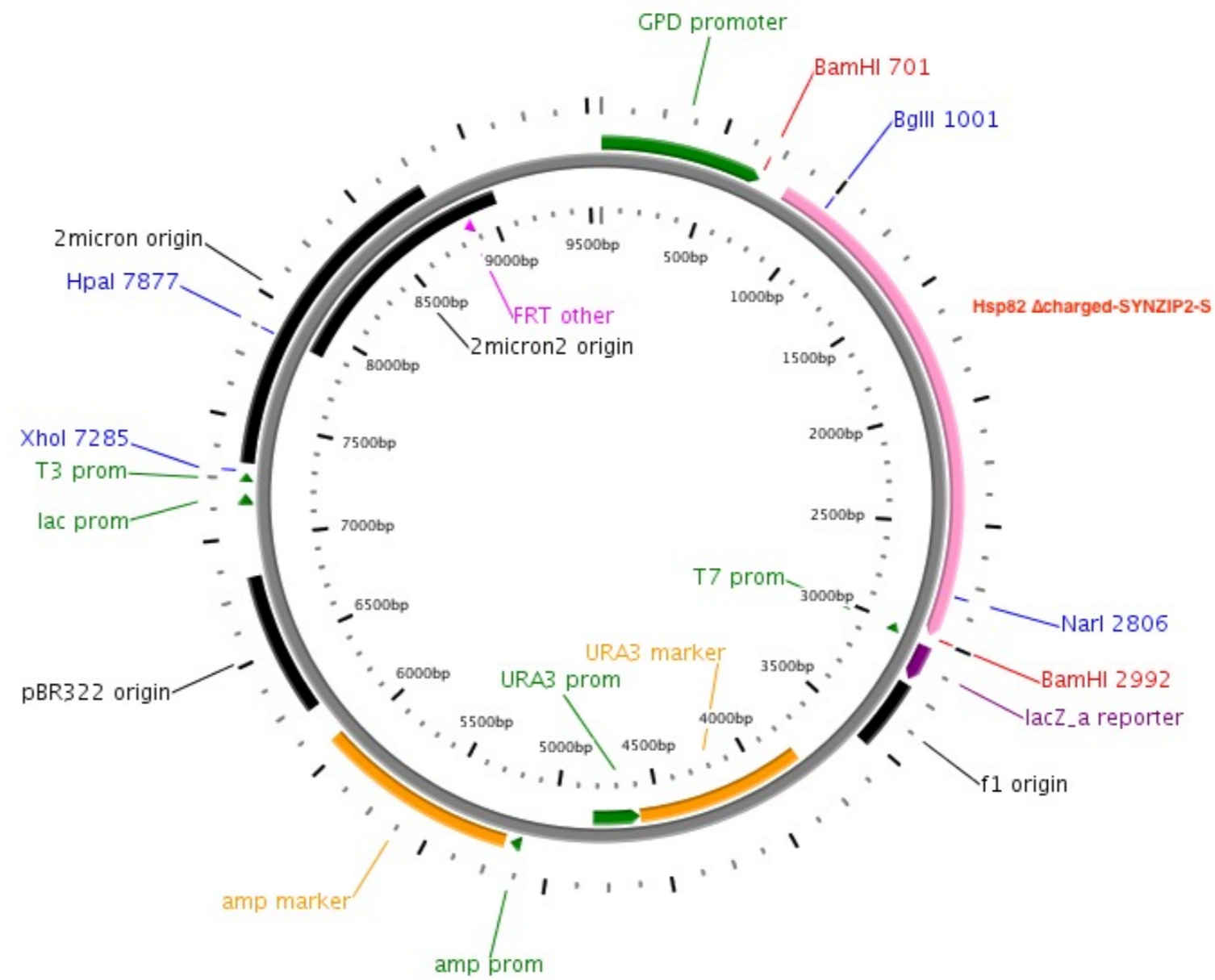
Inserts Full-length yeast Hsp82 without charged domain (Δ AA 211-259) with C-terminal coiled-coil sequence SYNZIP2 and streptag (S)

Reporter gene

Promoter, splice, PolyA GPD promoter

Comments - sequence available

Reference - Source of SYNZIP2, plasmid pQLinkHD-SYNZIP2, was a gift from Amy Keating (Addgene plasmid # 80658); Thompson et al. (2012) *ACS Synth Biol.* 1, 118-129.



DIDIER PICARD LAB, University of Geneva

Construct number 2902

Date entered 27.5.19

Constructed by Dina Hany

Date constructed 09.02.2018

PLASMID NAME

AIB1_sgRNA_lentiCRISPRv2

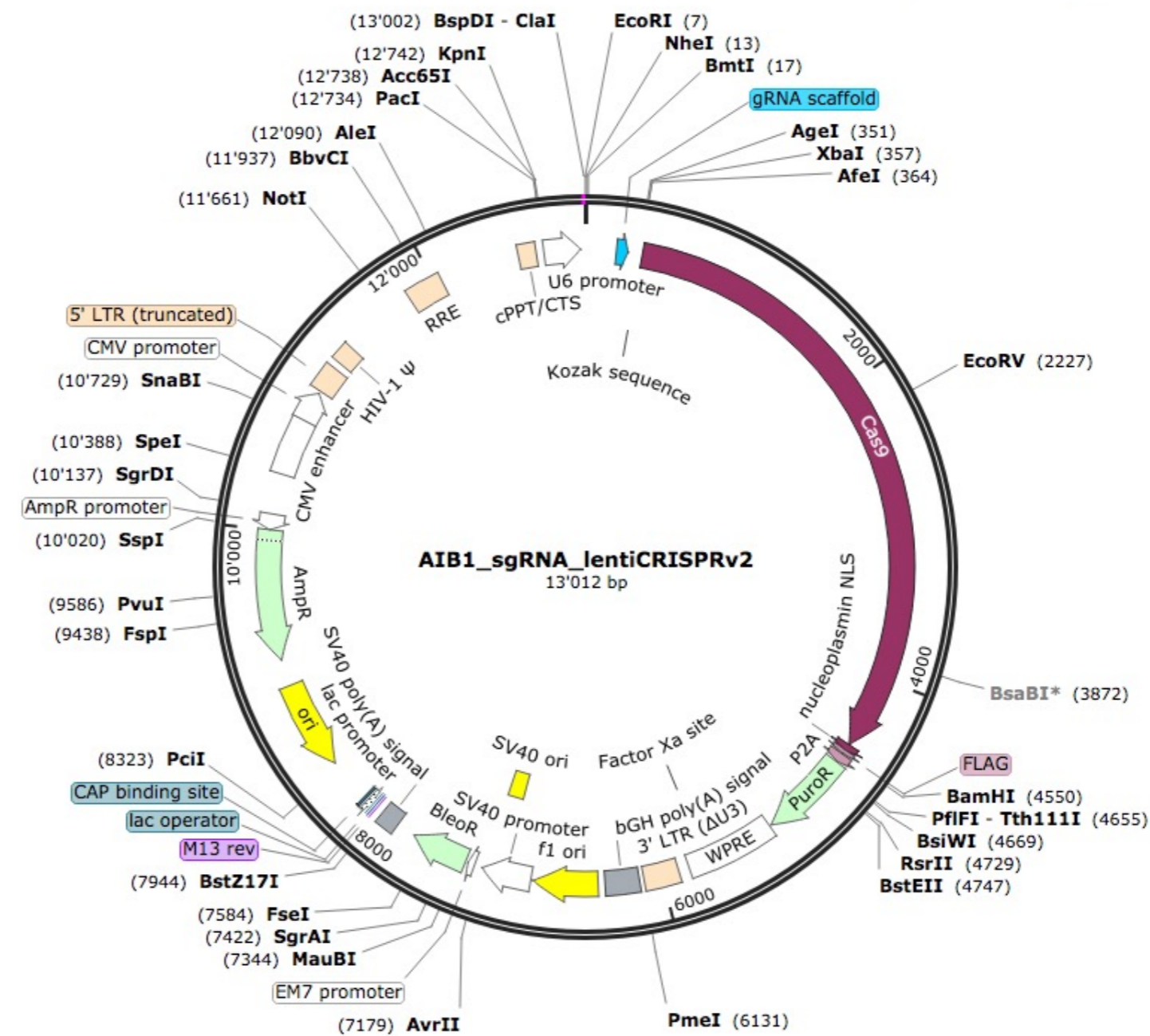
Created with SnapGene®

bacterial marker Amp	parent vector lentiCRISPRv2
vertebrate marker Puromycin	bacterial plasmid
other relevant source constructs	

Inserts	<p>Exon 8: FWD: CACC CCCAGTATATCGATTCTCGT Reverse complement: AAAC ACGAGAATCGATATACTGGG</p> <p>insert is in magenta color in the map Cas9 gRNA scaffold</p> <p>sgRNA sequence was designed by ATUM web-tool https://www.atum.bio/Commerce/cas9/input</p>
Reporter gene	
Promoter, splice, PolyA	

Comments The lentiCRISPRV2 vector was digested by BsmBI enzyme and the 13 kb backbone was ligated to the 20bp gRNA sequence

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 27.5.19

Constructed by Dina Hany

Date constructed 11.07.2017

PLASMID NAME

HEG0-S

Created with SnapGene®

bacterial marker Amp	parent vector HEG0
	bacterial plasmid Bluescribe M13+
	other relevant source constructs HEG0 in PSG5

Inserts full-length human estrogen receptor (hER) cDNA with Gly400 (i.e. wild-type sequence) and strep-tag followed by a stop codon and XhoI site. The strp-tag was inserted between HindIII and SacI sites.

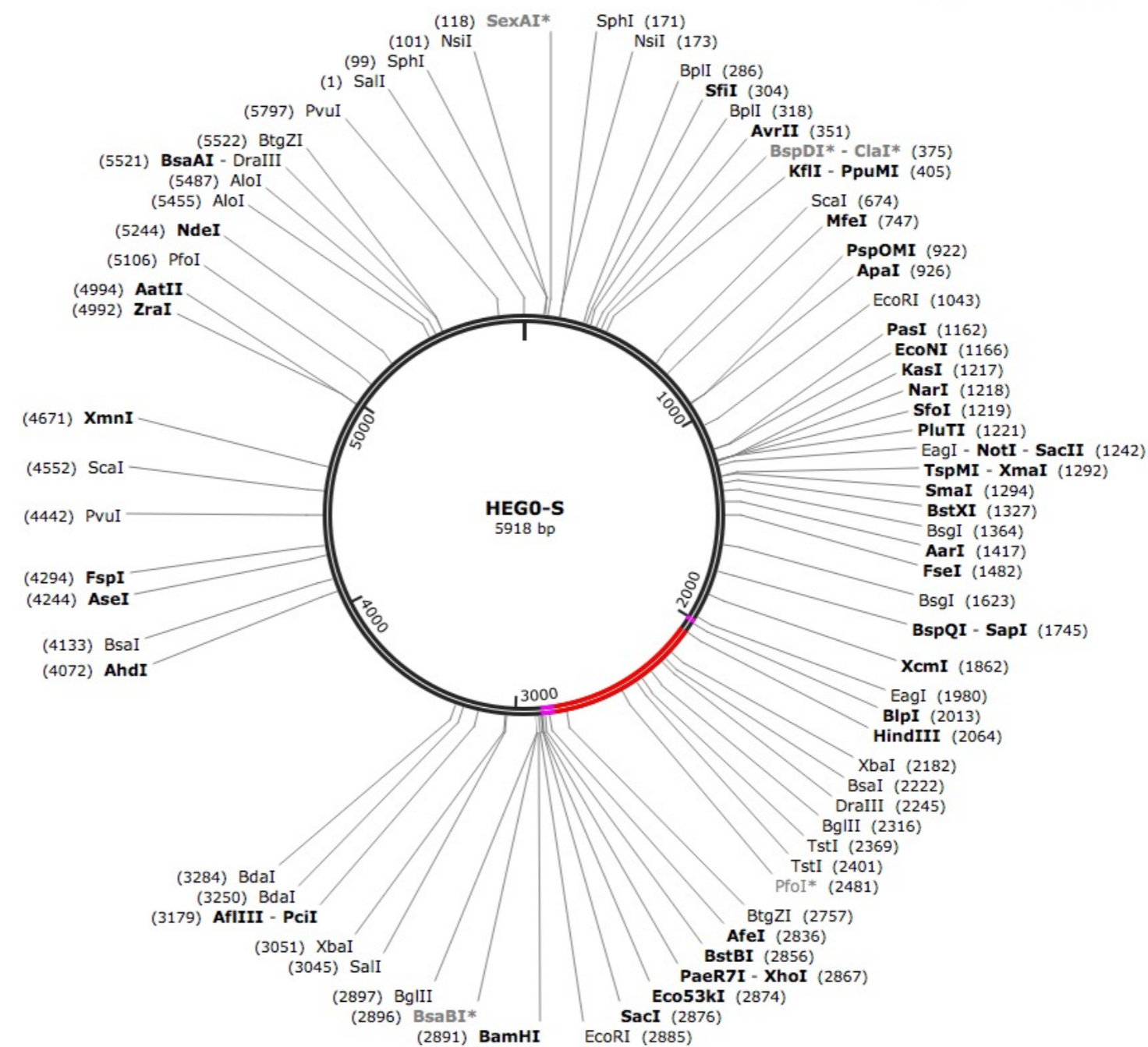
Reporter gene

Promoter, splice, PolyA

- SV40 early promoter.
- T7 RNA polymerase promoter
- rabbit β-globin IVS2.
- SV40 polyA site.

Comments

Reference for pSG5: Green et al. (1988) NAR 16, 369.
This plasmid: Tora et al. (1989). The cloned human estrogen receptor contains a mutation which alters its hormone binding properties. EMBO J. 8, 1981-1986.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 27.5.19

Constructed by Nastaran Ghahhari

Date constructed

PLASMID NAME

PLKO.1-sh1-FOXA1

<u>bacterial marker</u>	Amp	<u>parent vector</u>	PLKO1
	Puromycin	<u>bacterial plasmid</u>	
	SV40 ori	<u>other relevant source constructs</u>	

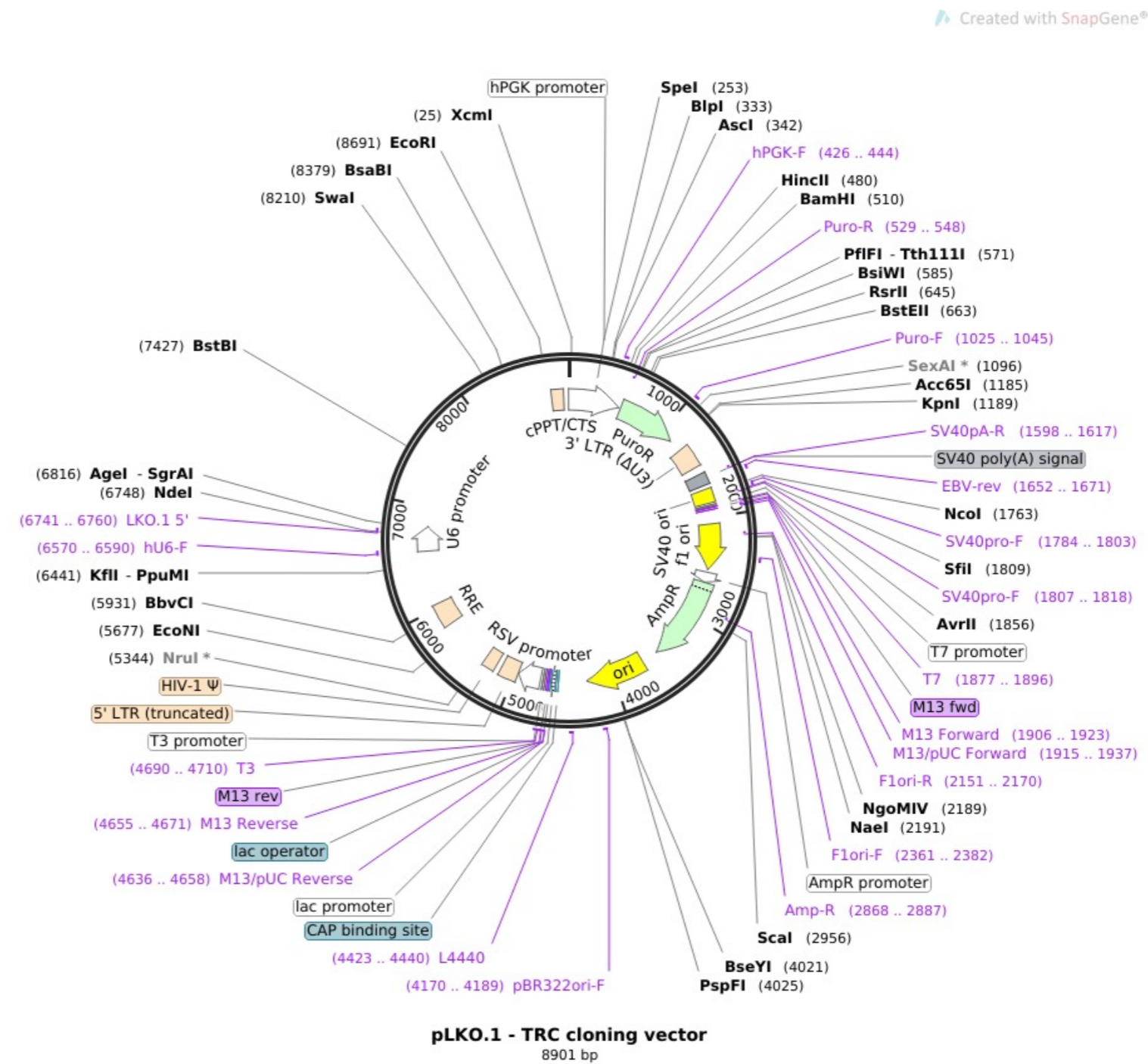
Inserts Sequence directed against FOXA1 inserted between EcoRI and AgeI restriction sites in PLKO1. The targeting hairpin sequence is as follows:
CCGGGCGAAGTTTAATGATCCACAACTCGAGTTGTGGATCATTAAAC
TTCGC**TTTTTG**

Reporter gene

Promoter, U6 promoter
splice,
PolyA

Comments

Reference Sequence was designed manually.



DIDIER PICARD LAB, University of Geneva

Construct number

2905

Date entered

27.5.19

Constructed by

Nastaran Ghahhari

Date constructed

PLASMID NAME

PLKO.1-sh2-FOXA1

Created with SnapGene®

<u>bacterial marker</u>	Amp	<u>parent vector</u>	PLKO1
	Puromycin	<u>bacterial plasmid</u>	
	SV40 ori	<u>other relevant source constructs</u>	

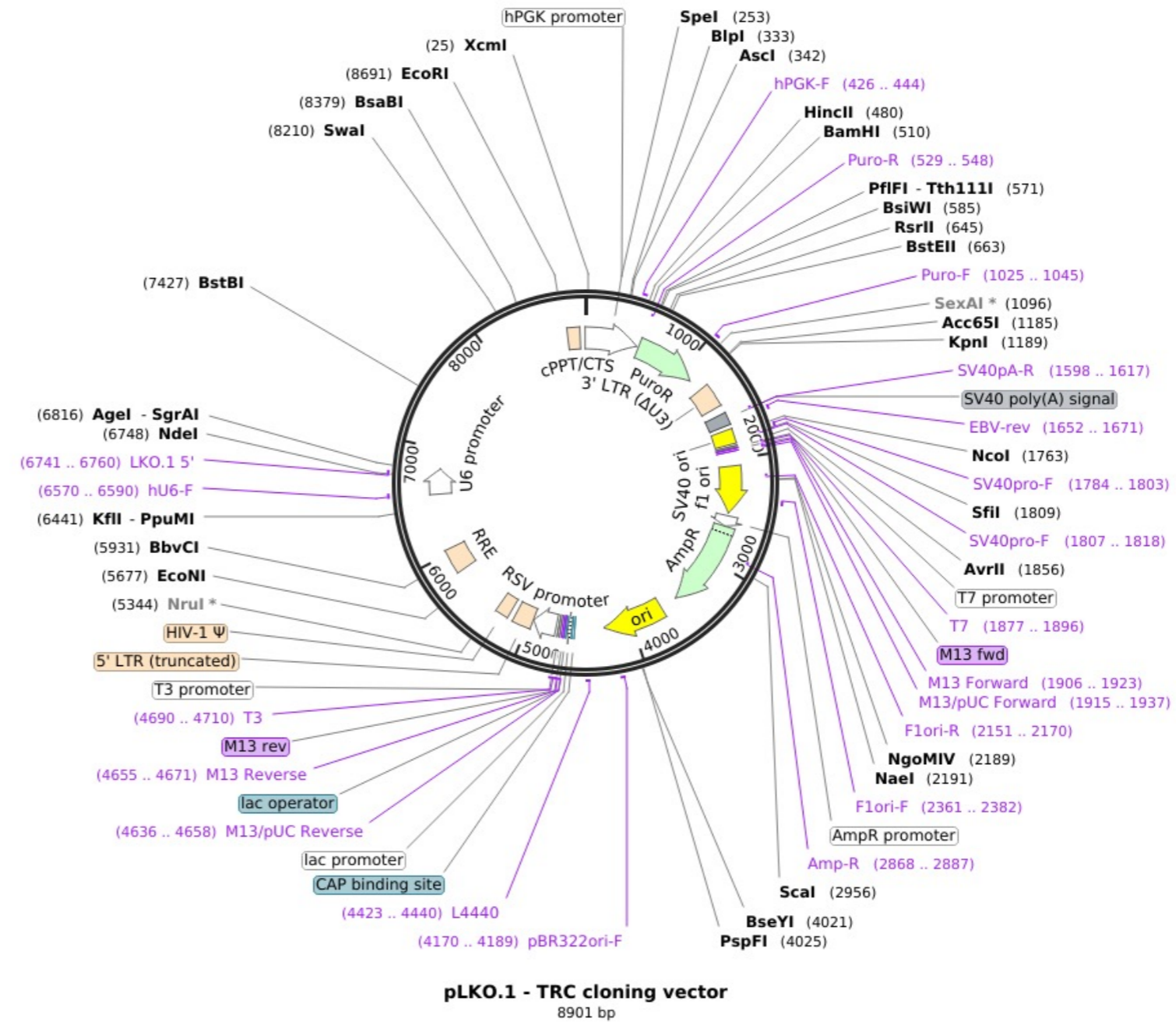
Inserts Sequence directed against FOXA1 inserted between EcoRI and AgeI restriction sites in PLKO1. The targeting hairpin sequence is as follows:
CCGGTCTAGTTTGTGGAGGGTATTCTCGAGAATAACCCTCCACAAA
CTAGATTTTTG

Reporter gene

Promoter, U6 promoter
splice,
PolyA

Comments

Reference Sequence was designed manually.



DIDIER PICARD LAB, University of Geneva

Construct number

2906

Date entered

27.5.19

Constructed by

Nastaran Ghahhari

Date constructed

PLASMID NAME

PLKO.1-sh3-FOXA1

Created with SnapGene®

<u>bacterial marker</u>	Amp	<u>parent vector</u>	PLKO1
	Puromycin	<u>bacterial plasmid</u>	
	SV40 ori	<u>other relevant source constructs</u>	

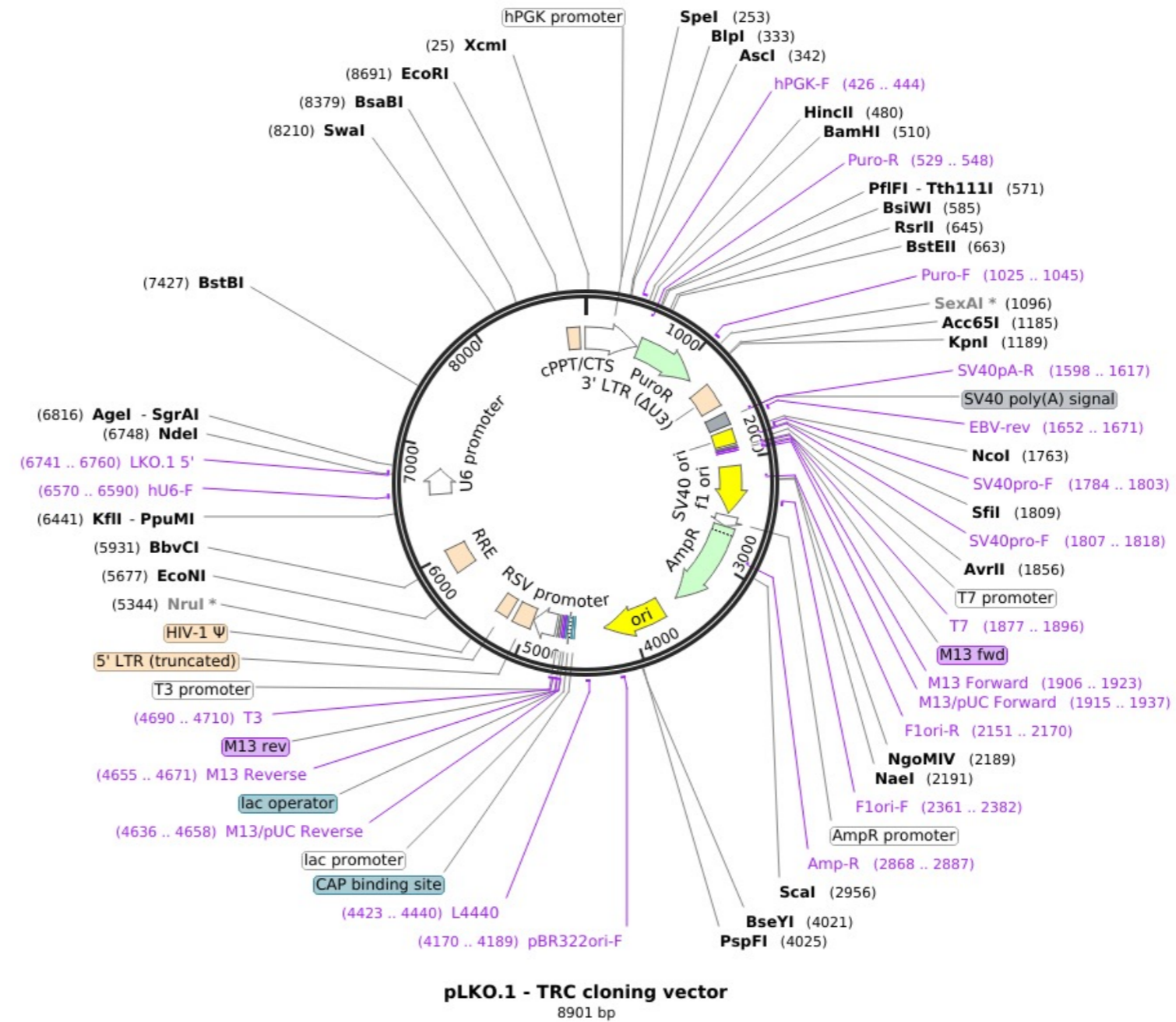
Inserts Sequence directed against FOXA1 inserted between EcoRI and AgeI restriction sites in PLKO1. The targeting hairpin sequence is as follows:
CCGGGAACACCTACATGACCATGAACTCGAGTTCATGGTCATGTAGG
 TGTTCTTTTGG

Reporter gene

Promoter, U6 promoter
splice,
PolyA

Comments

Reference Sequence was designed manually.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.5.19

Constructed by Gregory Segala

Date constructed 07.17

PLASMID NAME

PELP1 K103R

bacterial marker Amp

parent vector

2750

bacterial plasmid

other relevant source constructs

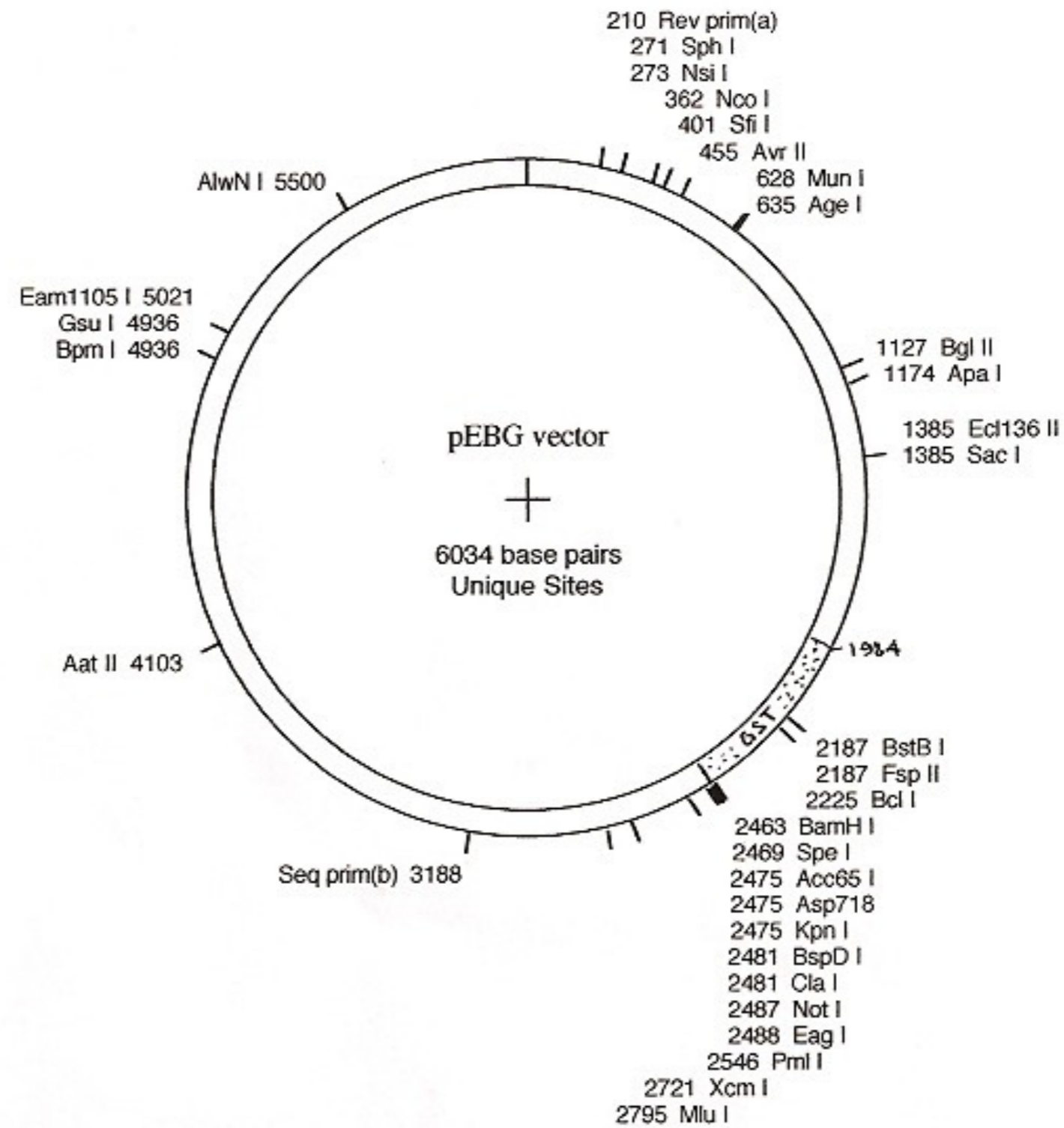
Inserts Human PELP1 (isoform 1-1130aa) inserted in pEBG vector between BamHI and NotI (plasmid number 2750) was mutated K103R by site-directed mutagenesis.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.5.19

Constructed by Gregory Segala

Date constructed 07.17

PLASMID NAME

PELP1 K214R

<u>bacterial marker</u> Amp	<u>parent vector</u> 2750
	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>

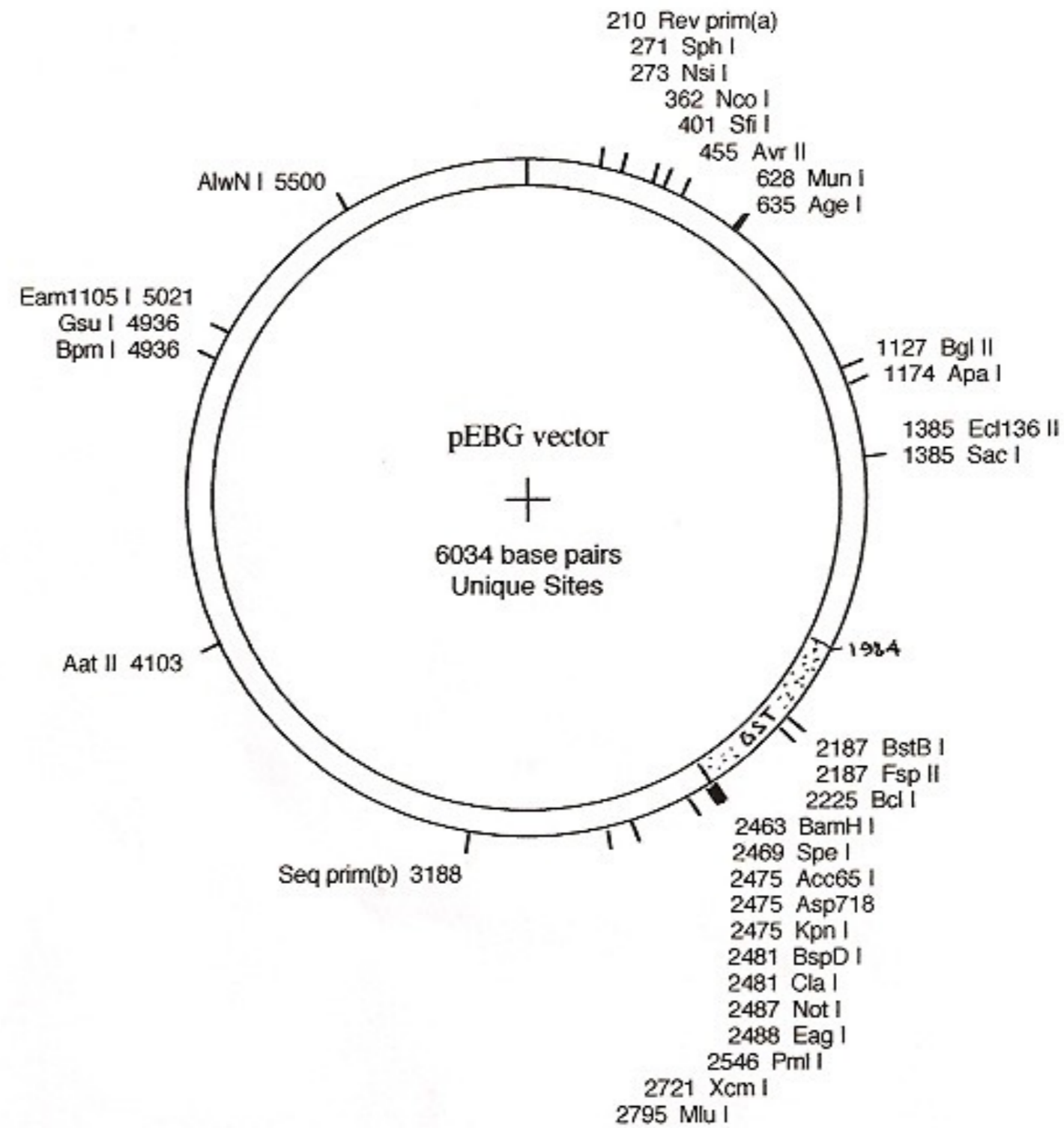
Inserts Human PELP1 (isoform 1-1130aa) inserted in pEBG vector between BamHI and NotI (plasmid number 2750) was mutated K214R by site-directed mutagenesis.

Reporter gene

**Promoter,
splice,
PolyA**

Comments

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.5.19

Constructed by Gregory Segala

Date constructed 07.17

PLASMID NAME

PELP1 K216R

bacterial marker Amp

parent vector

2750

bacterial plasmid

other relevant source constructs

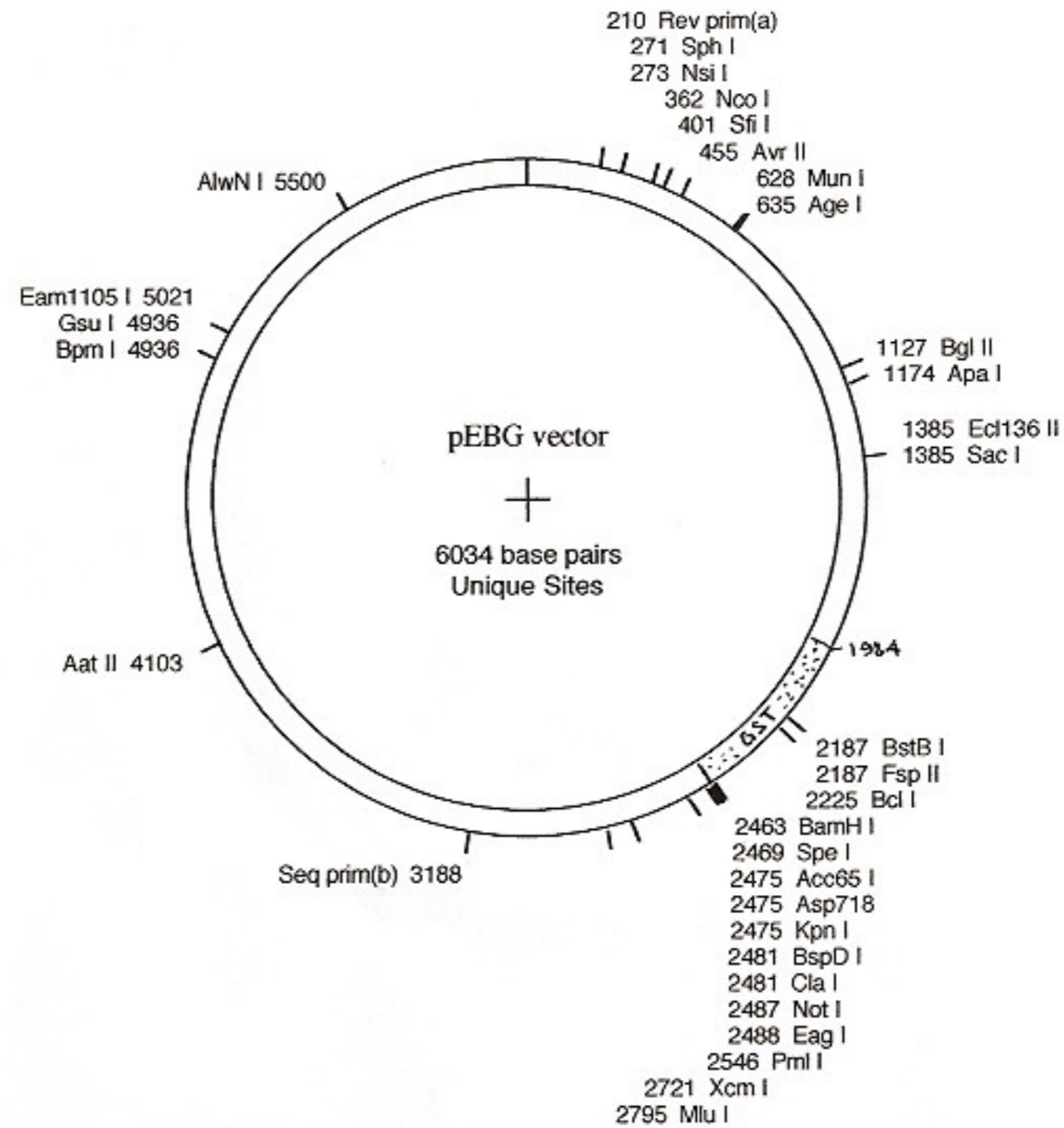
Inserts Human PELP1 (isoform 1-1130aa) inserted in pEBG vector between BamHI and NotI (plasmid number 2750) was mutated K216R by site-directed mutagenesis.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.5.19

Constructed by Gregory Segala

Date constructed 07.17

PLASMID NAME

PELP1 K495R

bacterial marker Amp

parent vector

2750

bacterial plasmid

other relevant source constructs

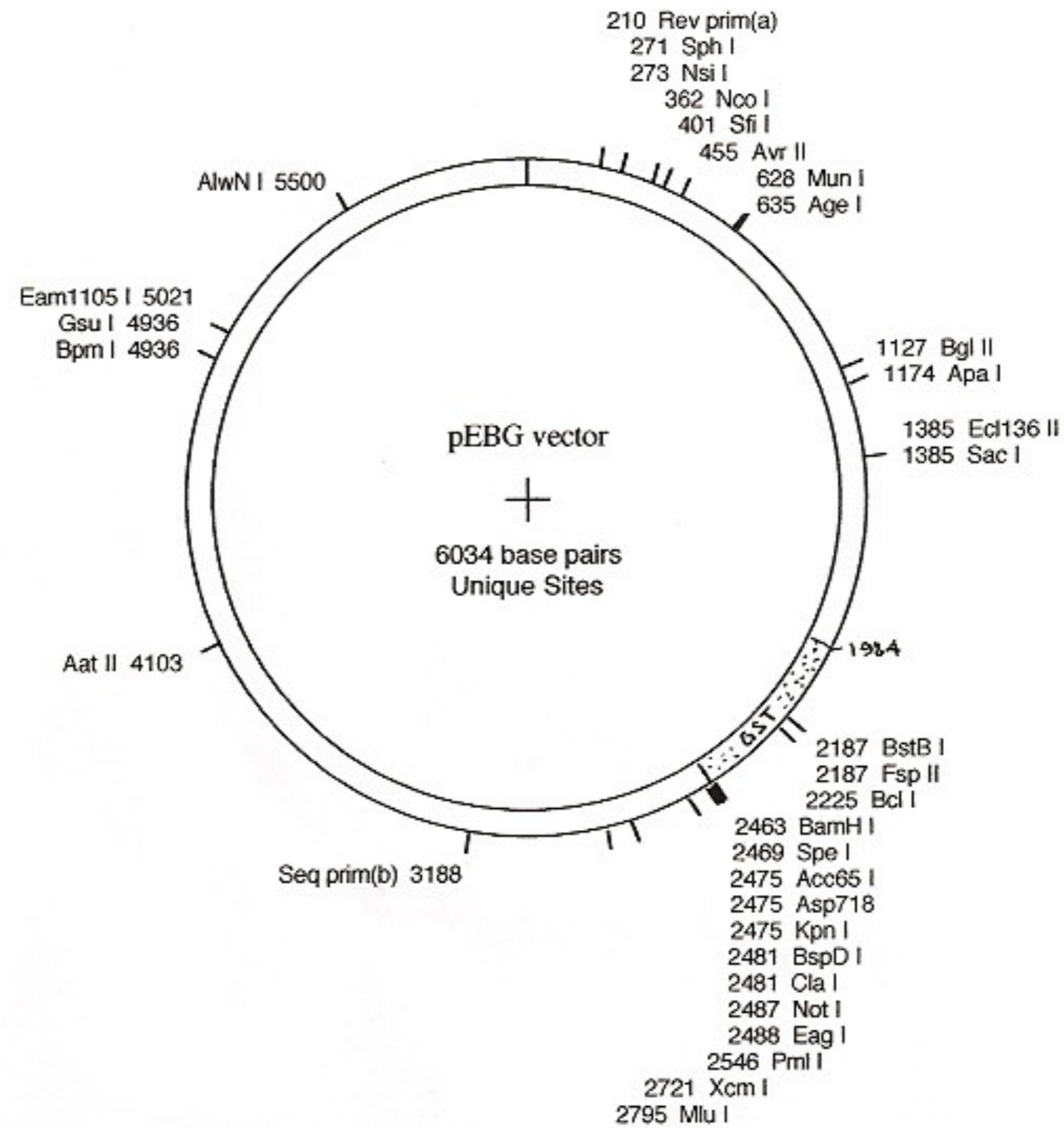
Inserts Human PELP1 (isoform 1-1130aa) inserted in pEBG vector between BamHI and NotI (plasmid number 2750) was mutated K495R by site-directed mutagenesis.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.5.19

Constructed by Gregory Segala

Date constructed 07.17

PLASMID NAME

PELP1 K496R

<u>bacterial marker</u> Amp	<u>parent vector</u> 2750
	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>

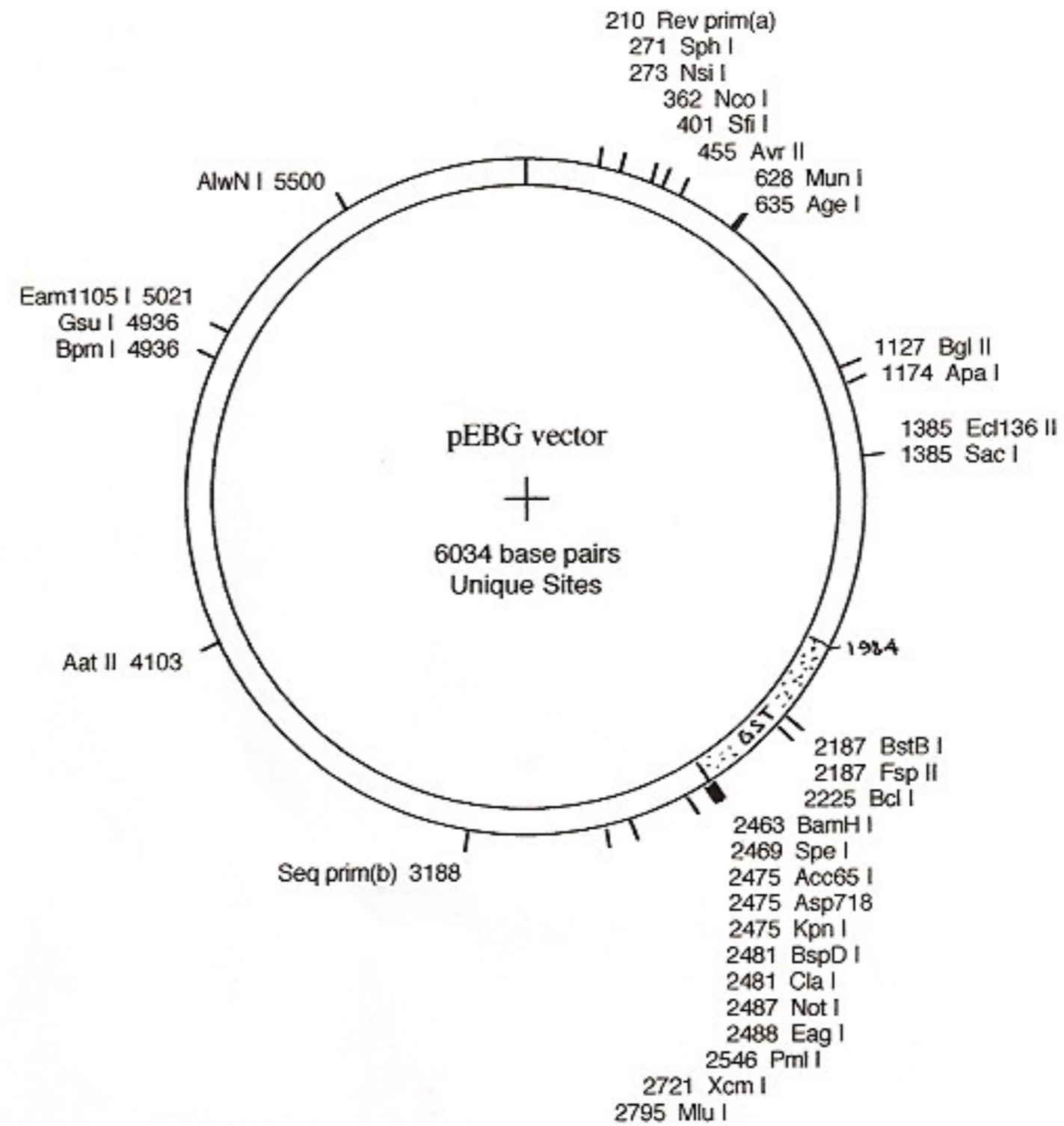
Inserts Human PELP1 (isoform 1-1130aa) inserted in pEBG vector between BamHI and NotI (plasmid number 2750) was mutated K496R by site-directed mutagenesis.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 29.5.19

Constructed by Gregory Segala

Date constructed 07.17

PLASMID NAME

PELP1 K826R

<u>bacterial marker</u> Amp	<u>parent vector</u> 2750
	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>

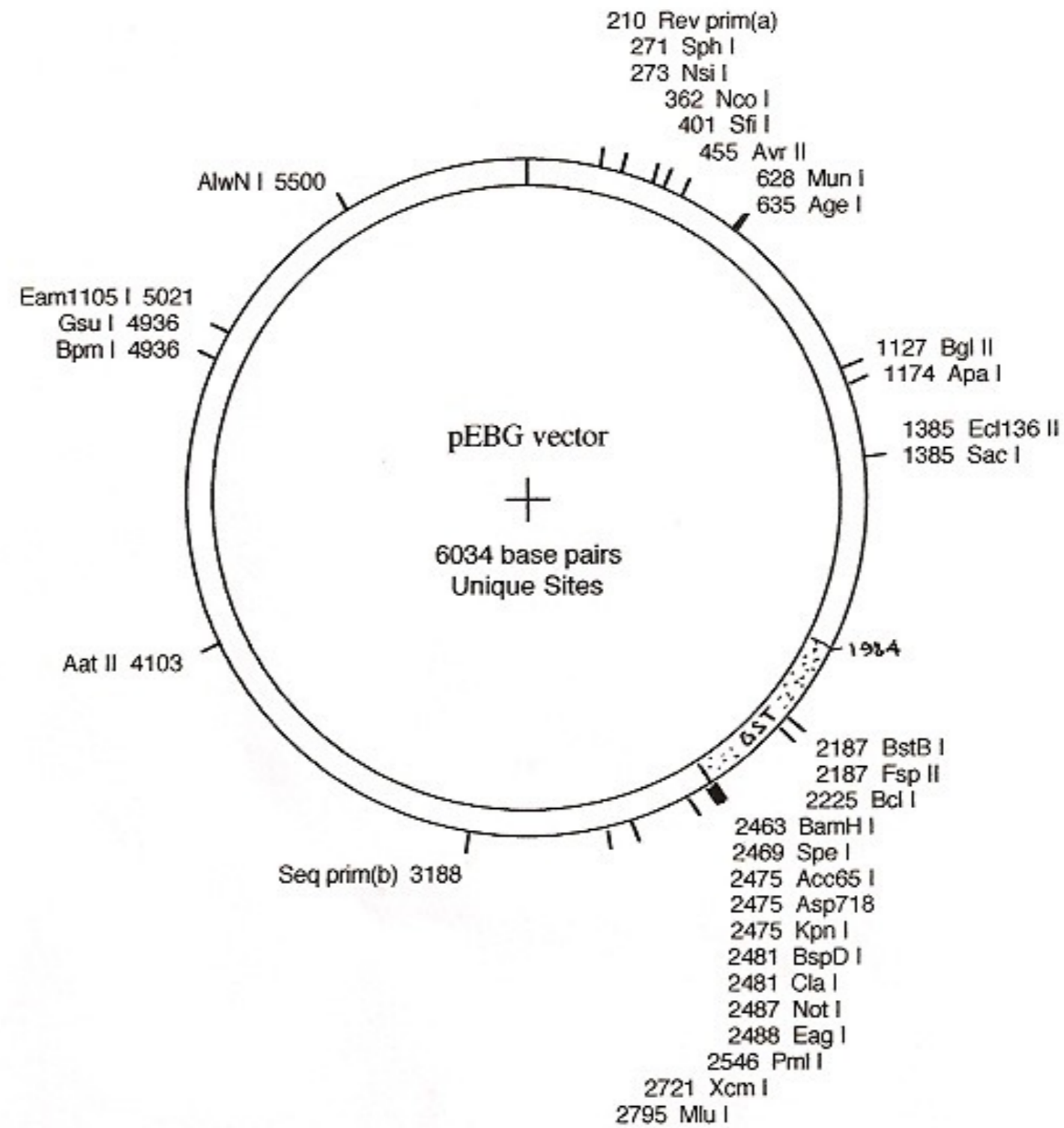
Inserts Human PELP1 (isoform 1-1130aa) inserted in pEBG vector between BamHI and NotI (plasmid number 2750) was mutated K826R by site-directed mutagenesis.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Segala et al. (2019). Nat. Commun. 10, 1833.



DIDIER PICARD LAB, University of Geneva

Construct number

2913

Date entered

29.5.19

Constructed by

Judith Klumperman's lab

Date constructed

PLASMID NAME

Vps8

bacterial marker Amp

parent vector
pcDNA3.2/V5-DEST
bacterial plasmid

other relevant source constructs

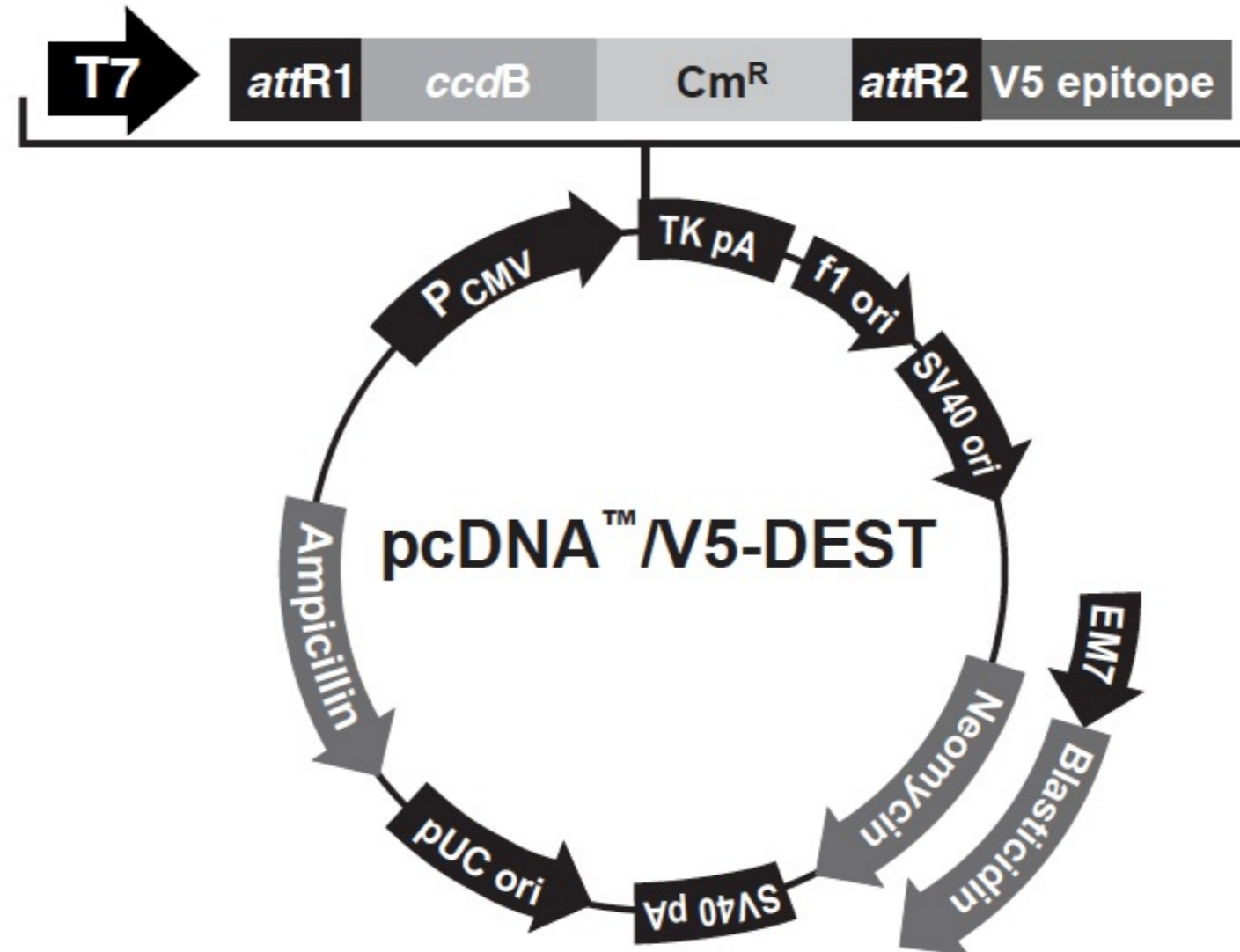
Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2914

Date entered

29.5.19

Constructed by

Judith Klumperman's lab

Date constructed

PLASMID NAME

Vps41

bacterial marker Amp

parent vector
pcDNA3.2/V5-DEST
bacterial plasmid

other relevant source constructs

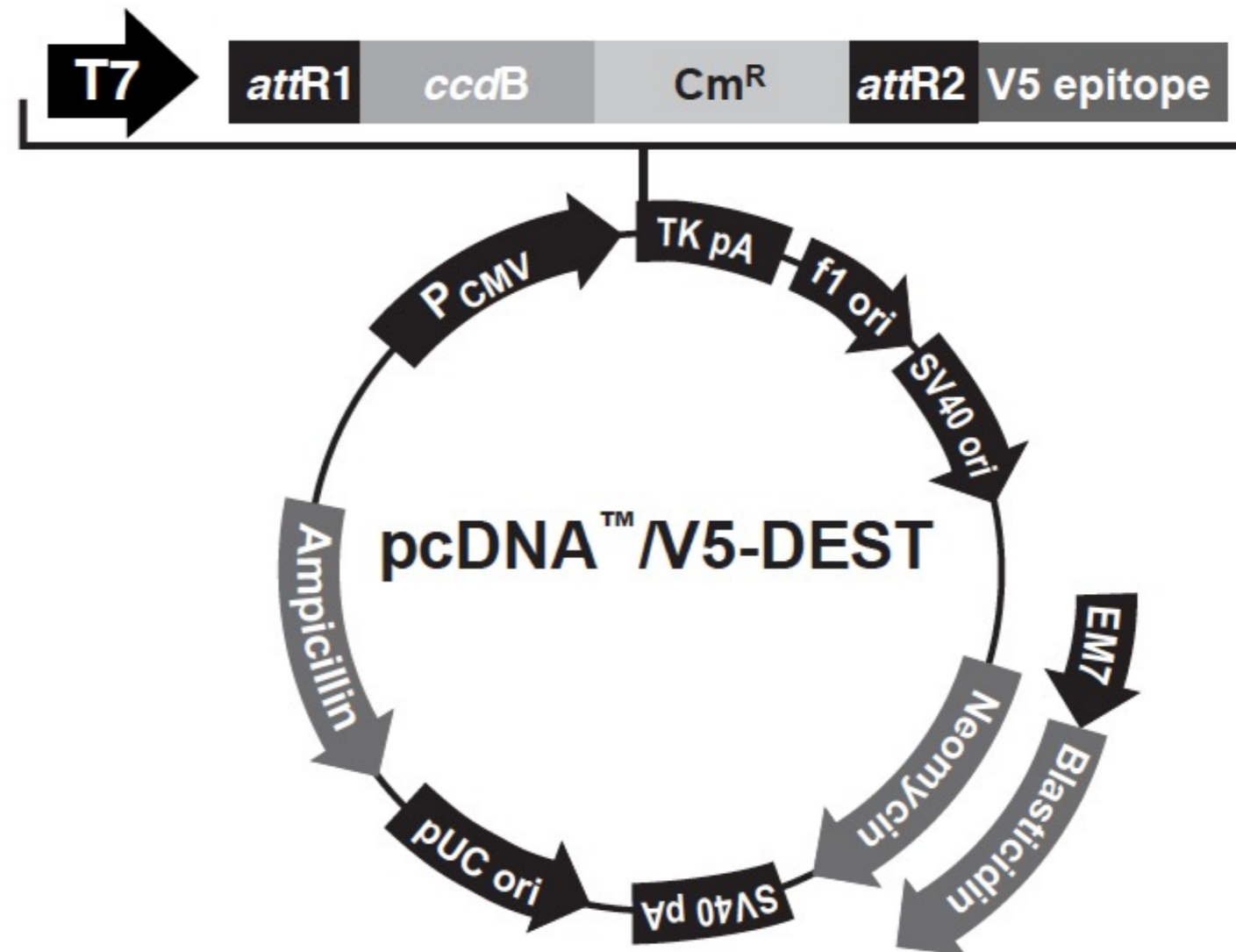
Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference



Construct number 2915

Date entered 30.5.19

Constructed by Zsafia Keszei

Date constructed 30.03.19

PLASMID NAME

pEGFP-MTS-Q23

bacterial marker Kan

vertebrate marker Neo (G418)

parent vector

pEGFP-Q23

bacterial plasmid

other relevant source constructs

Inserts The mitochondrial targeting sequence of Trap1, cut out from the mitoEGFP vector (DP-plasmids number 2817), and full length EGFP tagged with Q23.

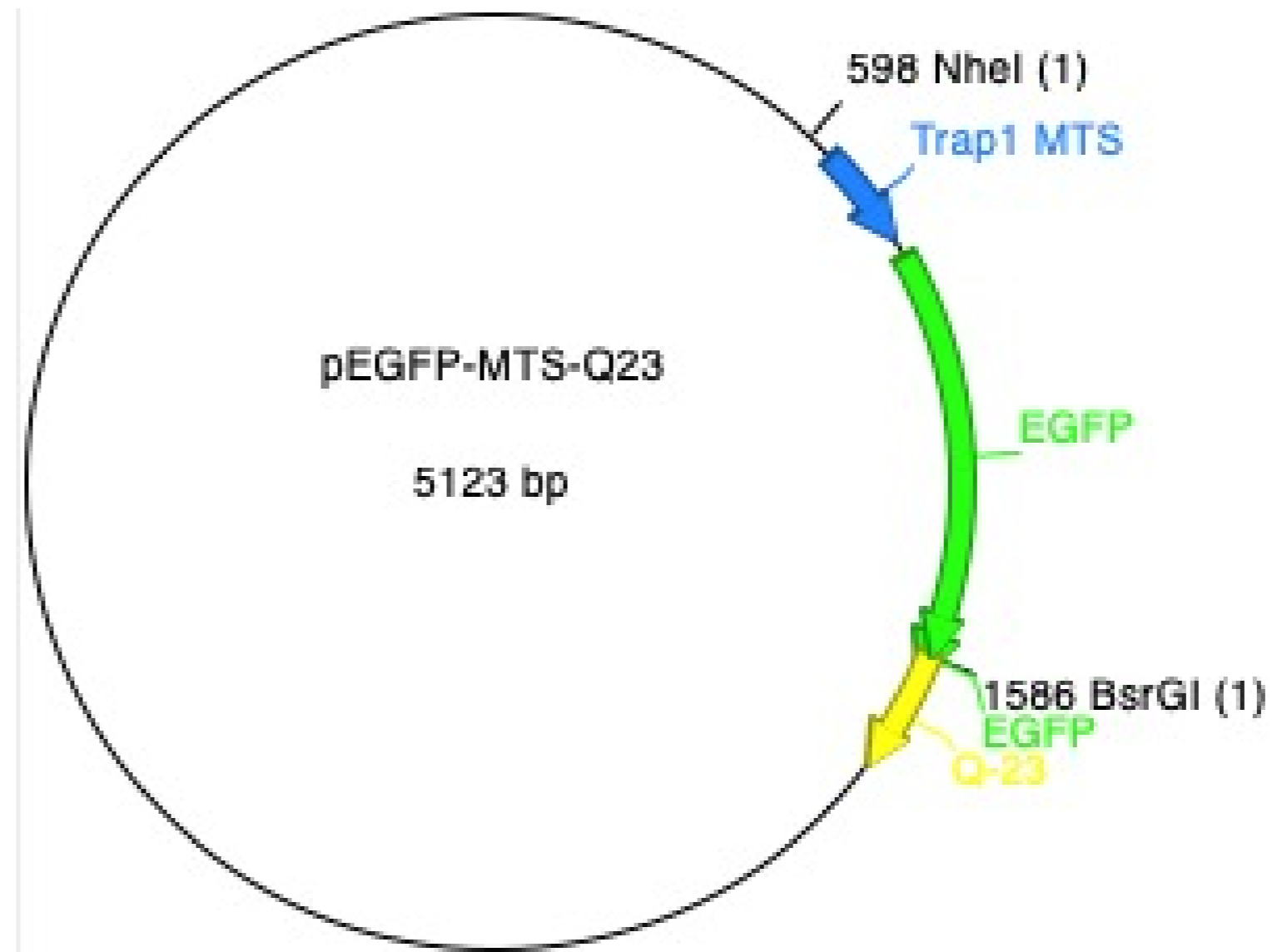
Reporter gene

Promoter, splice, PolyA CMV promoter
SV40 polyA

Comments MTS was cut out of mitoEGFP using NheI and BsrGI. With the use of the same sites, parent vector pEGFP-Q23 was also cut, and the fragment containing the MTS was cloned inside.

This short polyQ repeat should not aggregate in cells. However, we saw

Reference



Construct number 2916

Date entered 30.5.19

Constructed by Zsafia Keszei

Date constructed 30.03.19

PLASMID NAME

pEGFP-MTS-Q74

bacterial marker Kan

vertebrate marker Neo (G418)

parent vector

pEGFP-Q74

bacterial plasmid

other relevant source constructs

Inserts The mitochondrial targeting sequence of Trap1, cut out from the mitoEGFP vector (DP-plasmids number 2817), and full length EGFP tagged with Q74.

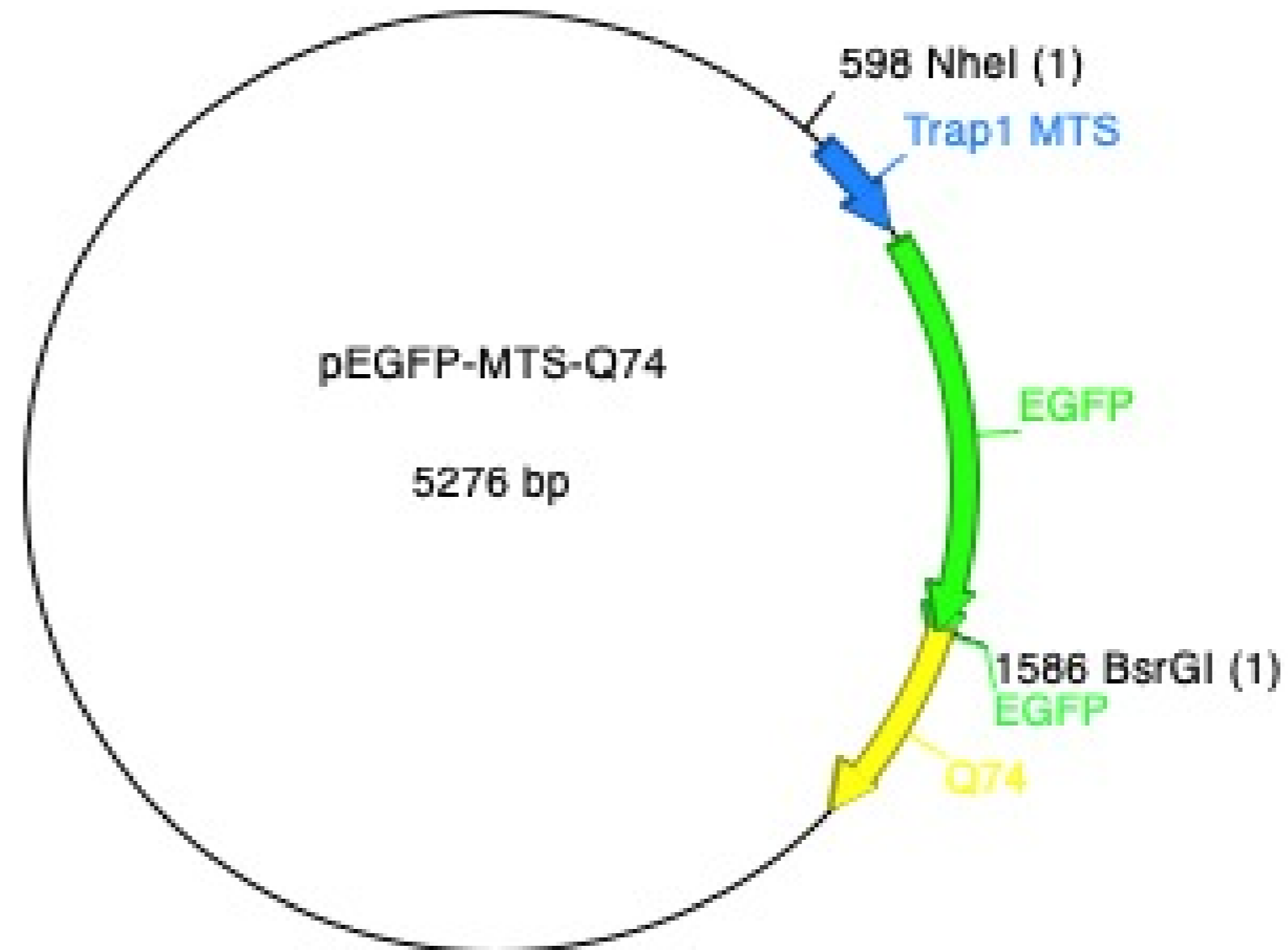
Reporter gene

Promoter, splice, PolyA CMV promoter
SV40 polyA

Comments MTS was cut out of mitoEGFP using NheI and BsrGI. With the use of the same sites, parent vector pEGFP-Q74 was also cut, and the fragment containing the MTS was cloned inside.

This long polyQ repeat is prone to aggregation. (However we have also

Reference



Construct number

2917

Date entered

5.6.19

Constructed by

Bert O'Malley lab

Date constructed

PLASMID NAME

pCMV-flag-SRC-3

bacterial marker Amp

parent vector

bacterial plasmid

other relevant source constructs

Inserts Flag-tagged SRC-3 (=AIB1)

Reporter gene

Promoter,
splice,
PolyA CMV

Comments - we did not get a map or sequence

Reference

DIDIER PICARD LAB, University of Geneva

Construct number
Constructed by Diana Wider

Date entered 6.6.19
Date constructed 06.06.2019

PLASMID NAME

Cdc37-AID HD

bacterial marker Amp
vertebrate marker Neo (G418)

parent vector BS+
bacterial plasmid BS+
other relevant source constructs

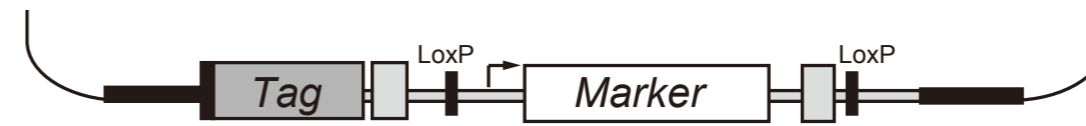
Inserts Donor plasmid for tagging chromosomal human Cdc37 with auxin-inducible degron by homologous recombination. Generates in-frame fusion of 378 aa Cdc37 with AID.
Key features:
 - 1000 bp flanking regions around stop codon of transcript CDC37-201.
 - downstream 1000 bp starts 28 bp 5' of stop codon.
 - sequence just upstream stop codon will be cleaved with CRISPR/Cas9 and replaced with a mutated version that cannot be cleaved again.
 - floxed Neo marker from plasmid PL452 between AID-polyA and Cdc37 3' flanking region (in same orientation as CDC37 gene).

Reporter gene

Promoter, splice, PolyA
 - Cdc37-AID has SV40 polyA
 - Neo marker has its own PGK promoter and bGH poly A

Comments - sequence available

Reference



(Tag is AID; thick black line are the homologous regions; marker is Neo)

to be combined with this gRNA:

Select one or more gRNAs: ?

Position	gRNA	Score ?
578	GTTCCAAGACGGGCGATGAGAAGGATGT CAA GGT TCTGCCCGCTACTTCTCTACA	100

Homologous recombination will change gRNA target sequence:

from GTTCCAAGACGGGCGATGAGAAGGATGT
 to GTTCC**GAAAACCGGT**GATGAAAAGGATGT

(PAM sequence still intact, cannot change it; mutations introduce an AgeI site)

Construct number

2919

Date entered

20.6.19

Constructed by

Ueli Schibler's lab

Date constructed

PLASMID NAME

HSE (WT)-Luc

bacterial marker Amp

parent vector

pGL4.23

bacterial plasmid

other relevant source constructs

Inserts

HSE (WT)-luciferase reporter plasmids were constructed by cloning an oligonucleotide containing represents the WT HSE element flanked by NheI and HindIII restriction sites into the vector pGL4.23 (Promega), which contains a minimal promoter upstream of the luc reporter gene.

5'-

CTAGCGTTCTAGAACTTGCCGTTCTAGAACTTGCCGTTCTAGAACTTG
CCGTTCTAGAACTTGCCA-3'

Reporter gene luciferase

Promoter,
splice,
PolyA

Comments 4X HSE (WT)

Reference

Reinke, H., Saini, C., Fleury-Olela, F., Dibner, C., Benjamin, I. J., and Schibler, U. (2008). Differential display of DNA-binding proteins reveals heat-shock factor 1 as a circadian transcription factor. *Genes Dev.* 22, 331-345.

Construct number

2920

Date entered

20.6.19

Constructed by

Ueli Schibler

Date constructed

PLASMID NAME

HSE (Mu)-Luc

bacterial marker Amp

parent vector

pGL4.23

bacterial plasmid

other relevant source constructs

Inserts

HSE (Mu)-luciferase reporter plasmids were constructed by cloning an oligonucleotide containing the mutant HSE element (HSEmut) flanked by NheI and HindIII restriction sites into the vector pGL4.23 (Promega), which contains a minimal promoter upstream of the luc reporter gene.

5'-
CTAGCGTTTTACAACCTTGTCTTTTTACAACCTTGTCTTTTTACAACCTTGT
CGTTTTACAACCTTGTCA-3'

Reporter gene luciferase

Promoter,
splice,
PolyA

Comments 4X HSE (Mu)

Reference Reinke, H., Saini, C., Fleury-Olela, F., Dibner, C., Benjamin, I. J., and Schibler, U. (2008). Differential display of DNA-binding proteins reveals heat-shock factor 1 as a circadian transcription factor. *Genes Dev.* 22, 331-345.

Construct number
 Constructed by Anne Brunet

Date entered 20.6.19
 Date constructed

PLASMID NAME

FUW mCherry-GFP-LC3

bacterial marker Amp	parent vector FUW bacterial plasmid
other relevant source constructs	

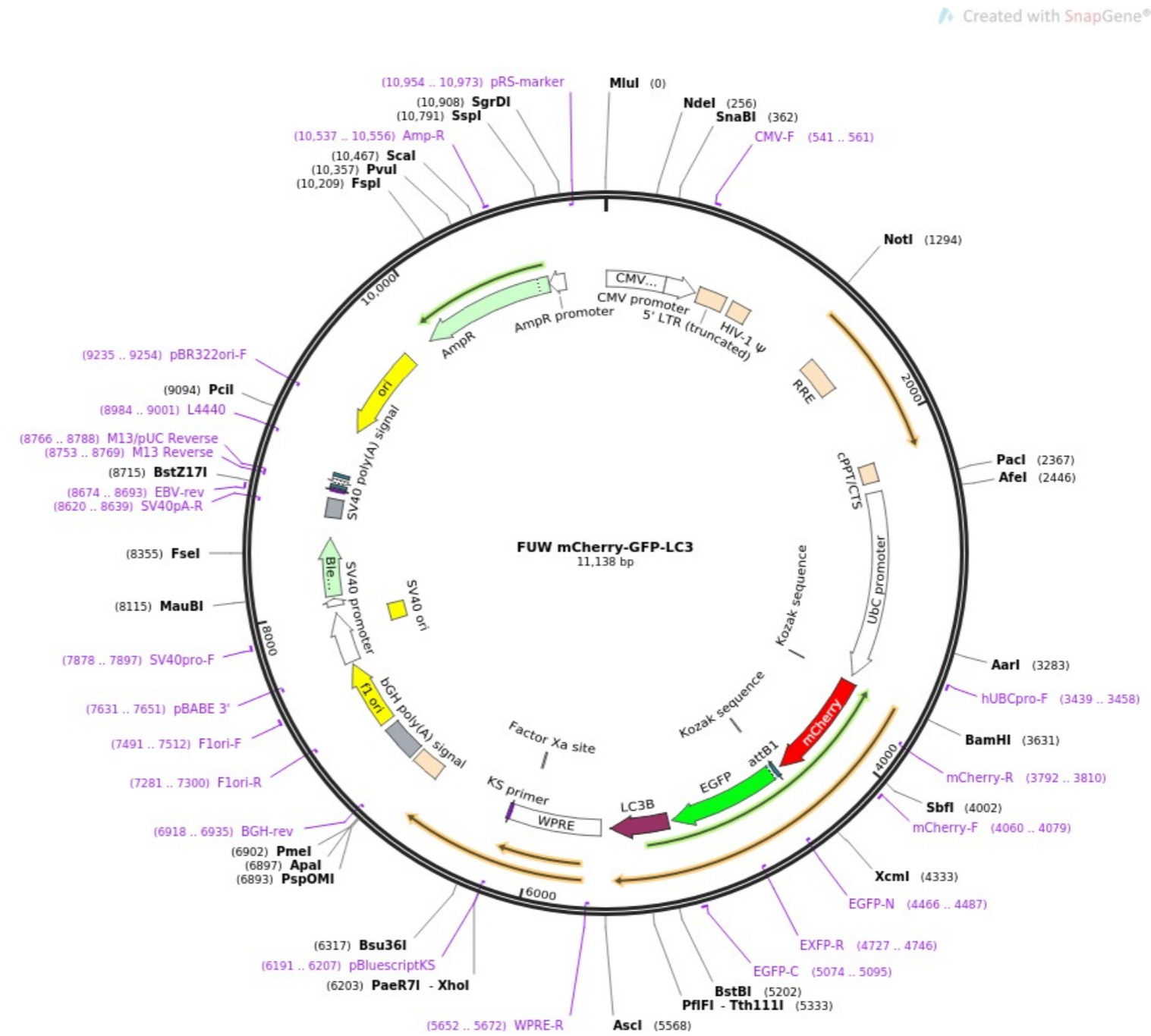
Inserts GFP and mCherry are fused with LC3 for targeting into the autophagic vesicle. This plasmid is useful to determine the active autophagic flux.

Reporter gene

Promoter, splice, PolyA

Comments Lentiviral vector

Reference Lysosome activation clears aggregates and enhances quiescent neural stem cell activation during aging. Leeman DS, Hebestreit K, Ruetz T, Webb AE, McKay A, Pollina EA, Dulken BW, Zhao X, Yeo RW, Ho TT, Mahmoudi S, Devarajan K, Passegue E, Rando TA, Frydman J, Brunet A. Science. 2018 Mar 16;359(6381):1277-1283. doi: 10.1126/science.aag3048. Epub 2018 Mar 15.



Created with SnapGene®

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 17.3.19

Constructed by Matthieu Villemin

Date constructed 04.04.2017

PLASMID NAME

pSpCas9(BB)_HuHSP90AA1 CRISPR gRNA

bacterial marker Amp

parent vector
pSpCas9(BB)-2A-Puro(PX459)

bacterial plasmid

other relevant source constructs

Inserts This PX 459 vector has the following hu Hsp90AA1 sgRNA insert at the Bbs1/Bpi1 site -

5' **CACCGGTTGAGACGTTTCGCCTTTC** 3'

This sgRNA targets all HSP90AA1 splice variants at exon no. 1.

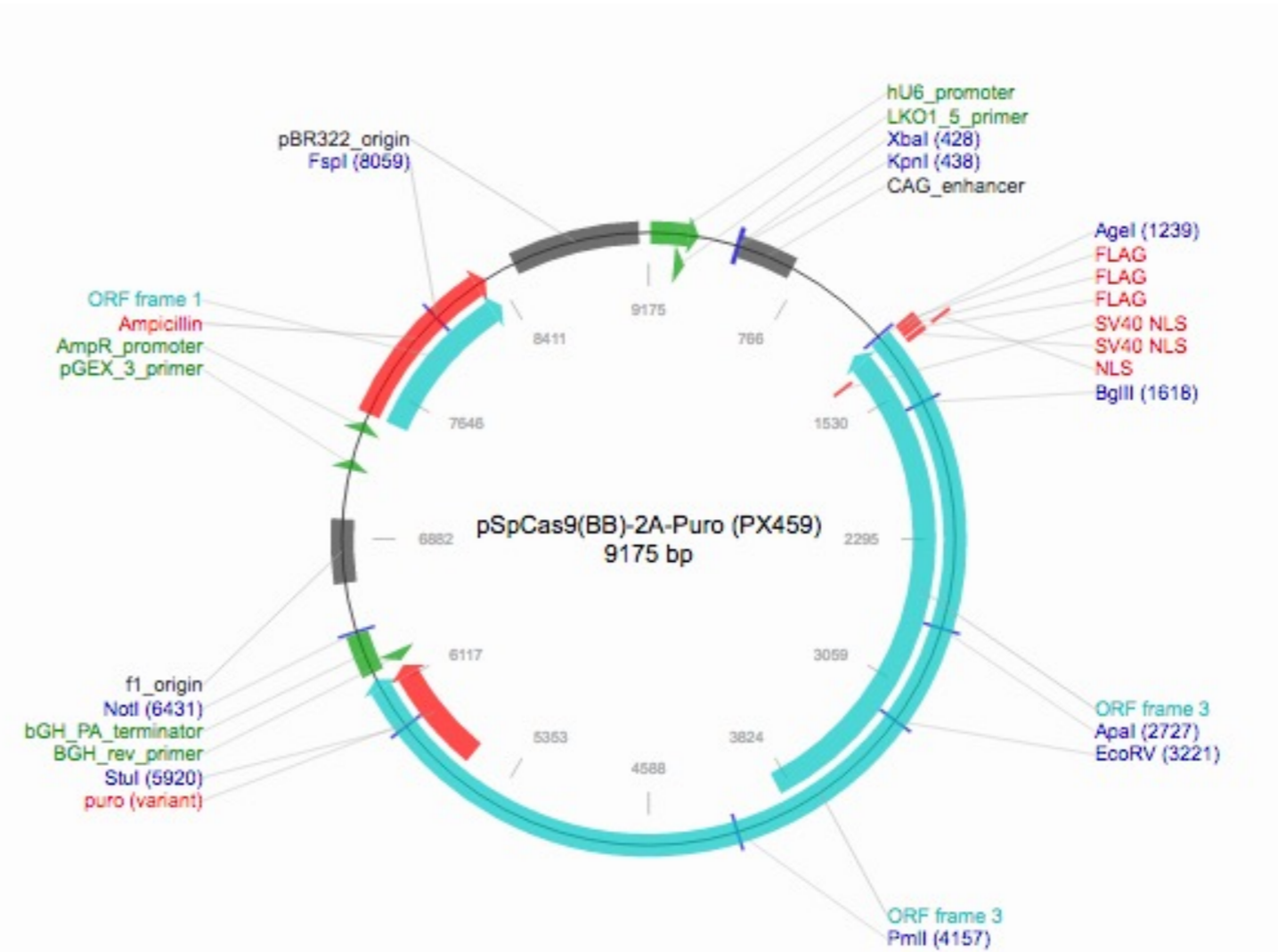
Reporter gene

Promoter,
splice,
PolyA

Comments Selection with Puromycin, about 1KO/50 clones

Reference Ran FA, Hsu PD, Wright J, Agarwala V, Scott DA, Zhang F. Genome engineering using the CRISPR-Cas9 system. Nature protocols. 2013;8(11):2281-2308. doi:10.1038/nprot.2013.143.

Bhattacharya K,.....Picard D. The Hsp70-Hsp90 co-chaperone ...



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 17.3.19

Constructed by Matthieu Villemin

Date constructed 04.04.2017

PLASMID NAME

pSpCas9(BB)_HuHSP90AB1 CRISPR gRNA

bacterial marker Amp

parent vector
pSpCas9(BB)-2A-Puro(PX459)

bacterial plasmid

other relevant source constructs

Inserts This PX 459 vector has the following hu Hsp90AB1 sgRNA insert at the Bbs1/Bpi1 site -

5' **CACCATTGCTATTTATTCCTCGTC** 3'

This sgRNA targets all HSP90AB1 splice variants at exon no. 6.

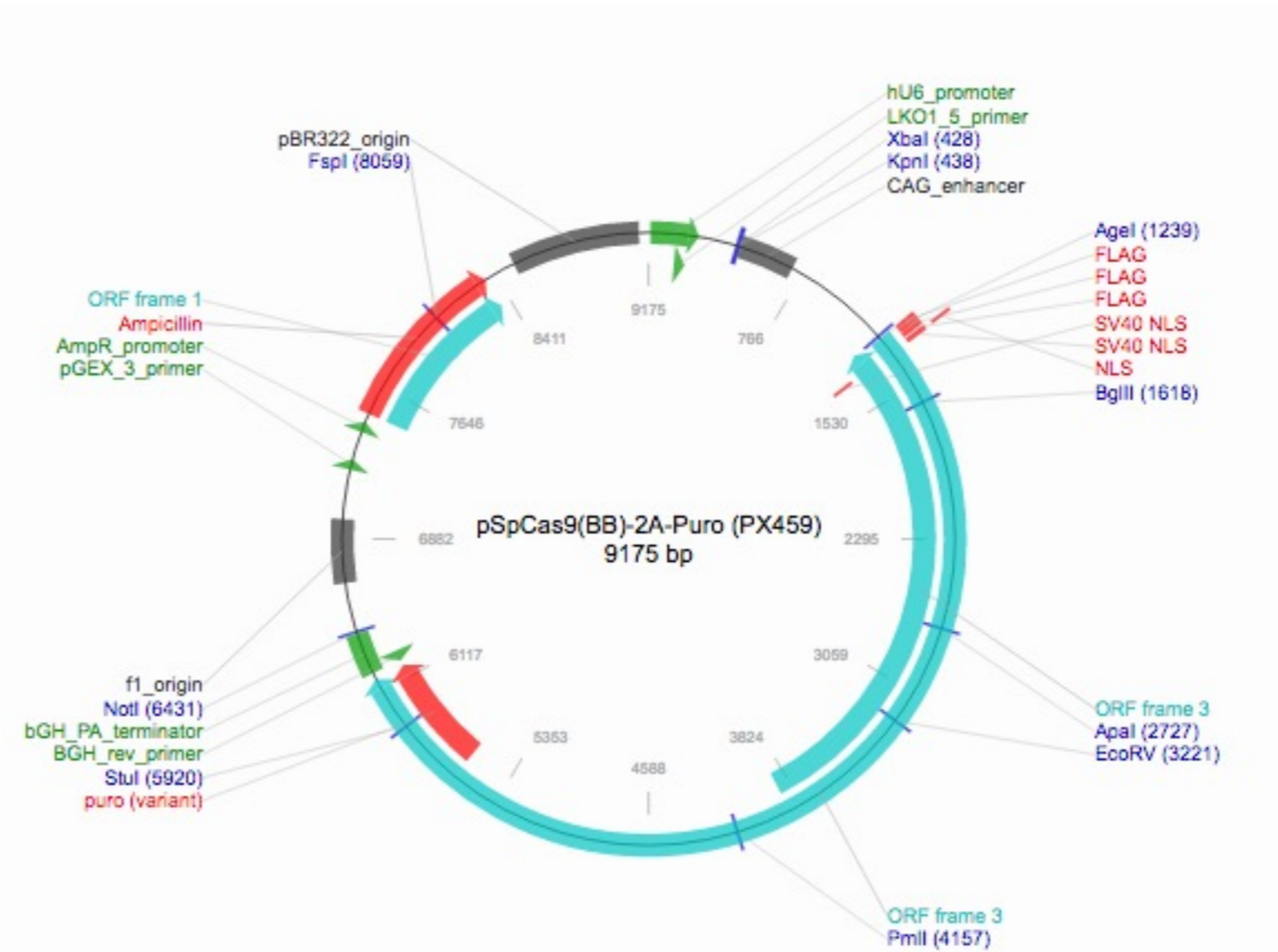
Reporter gene

Promoter,
splice,
PolyA

Comments Selection with Puromycin, about 1KO/50 clones

Reference Ran FA, Hsu PD, Wright J, Agarwala V, Scott DA, Zhang F. Genome engineering using the CRISPR-Cas9 system. Nature protocols. 2013;8(11):2281-2308. doi:10.1038/nprot.2013.143.

Bhattacharya K,.....Picard D. The Hsp70-Hsp90 co-chaperone ...



DIDIER PICARD LAB, University of Geneva

Construct number

2924

Date entered

20.6.19

Constructed by

Diana Wider

Date constructed

20.06.2019

PLASMID NAME

PX458_gCdc37

bacterial marker Amp

parent vector

PX458

bacterial plasmid

other relevant source constructs

Inserts

Vector for combined expression of sgRNA targeting 3' end of human *CDC37* ORF and of Cas9-GFP fusion (separated by self-cleaving peptide 2A); Cas9 fusion has 3xFlag and NLS.

Reporter gene

Promoter,
splice,
PolyA

- U6 promoter driving sgRNA
- CBh (a modified CAG) driving the Cas9-GFP fusion
- bGH poly A

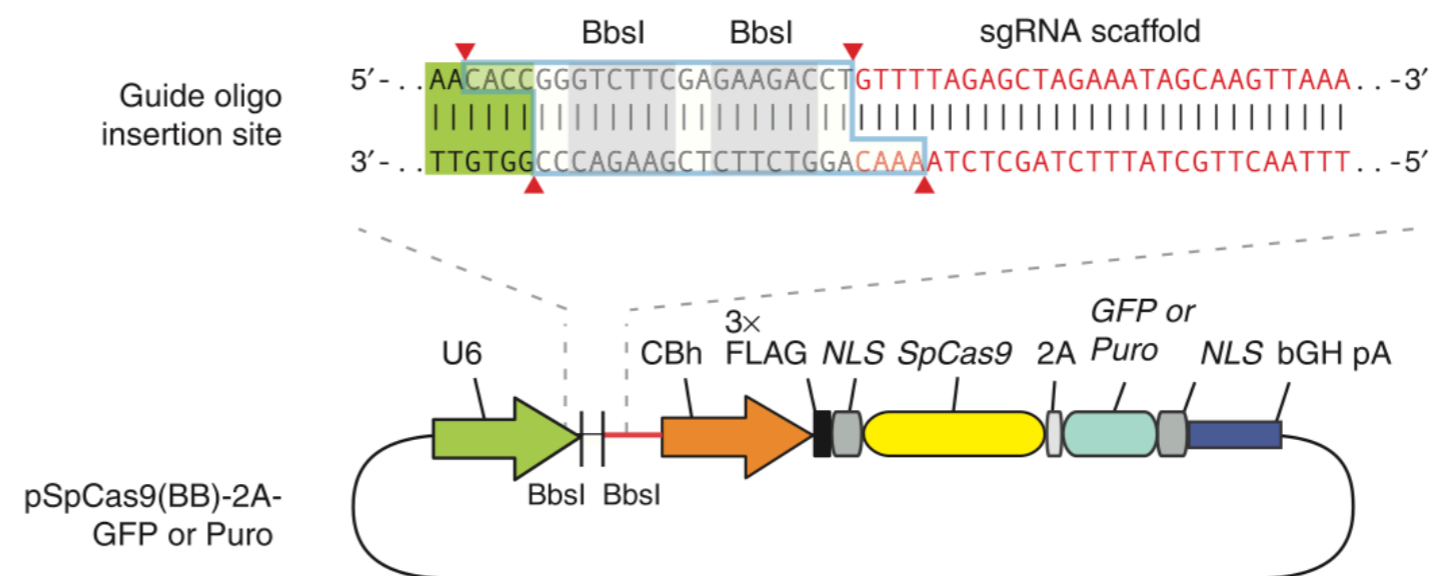
Comments - complete sequence available

Reference

```

      ●                               20
1  CACCGTCCTTCTCATCGCCCGTCTT----
      ++++++
25  ====CAGGAAGAGTAGCGGGCAGAACAAA
      20
      ●
    
```

inserted into BbsI-cut vector



Construct number
 Constructed by Neckers lab

Date entered 26.6.19
 Date constructed

PLASMID NAME

pGL2-hsp70Bpromoter-luci

bacterial marker Amp	parent vector pGL2
	bacterial plasmid
	other relevant source constructs

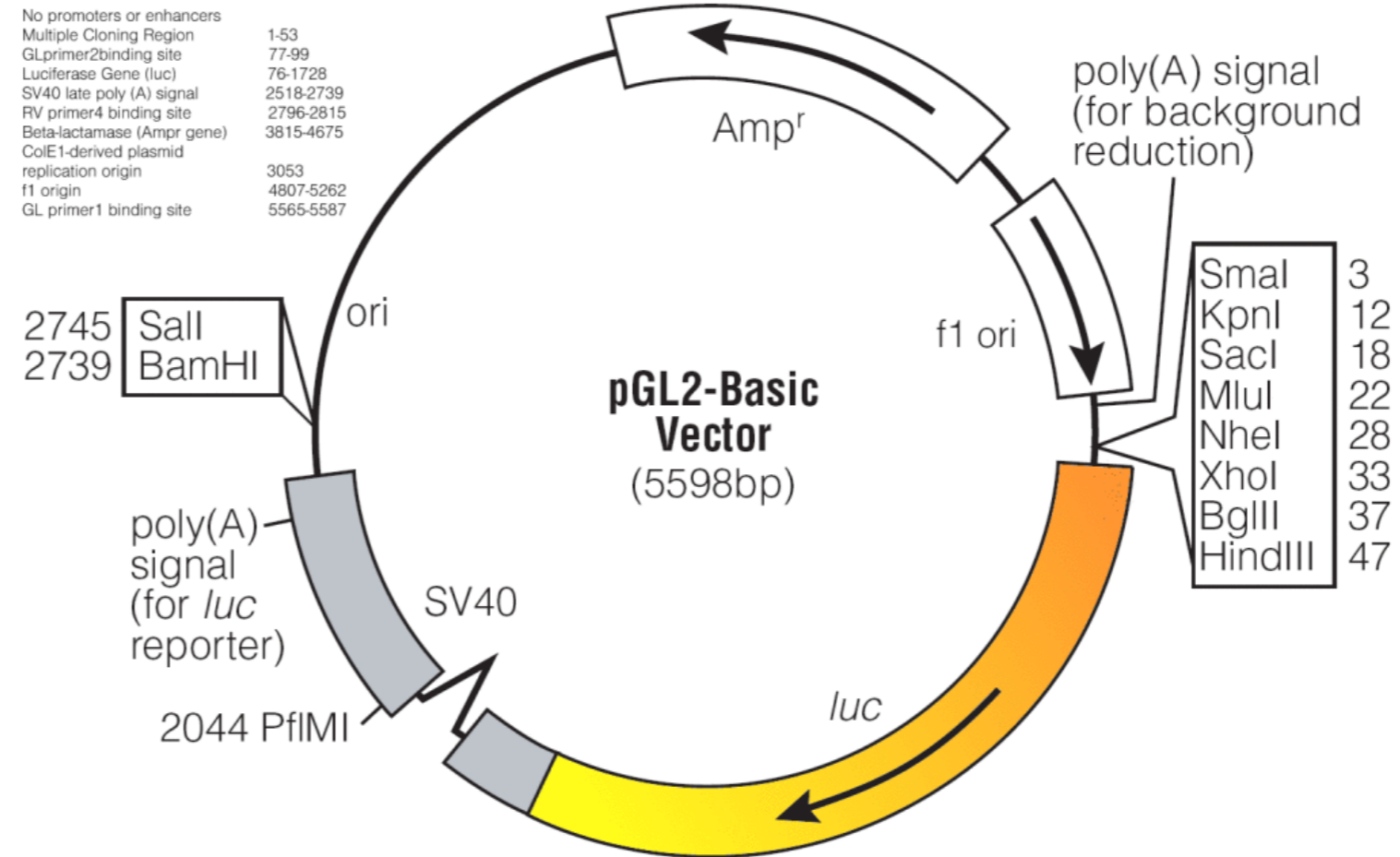
Inserts

Reporter gene

Promoter, splice, PolyA
 - Hsp70B promoter
 - SV40 splice and polyA

Comments
 - may originally be from Lea Sistonen's lab
 - image is for parent vector
 - luciferase mRNA and protein are standard, i.e. not destabilized

Reference



Construct number
Constructed by Neckers lab

Date entered 26.6.19
Date constructed

PLASMID NAME

long-hsp70Bpromo-LUCI2CP/ARE

bacterial marker Amp	parent vector pGL4.16
vertebrate marker Hygromycin	bacterial plasmid
eukaryotic replicon SV40 ori	other relevant source constructs

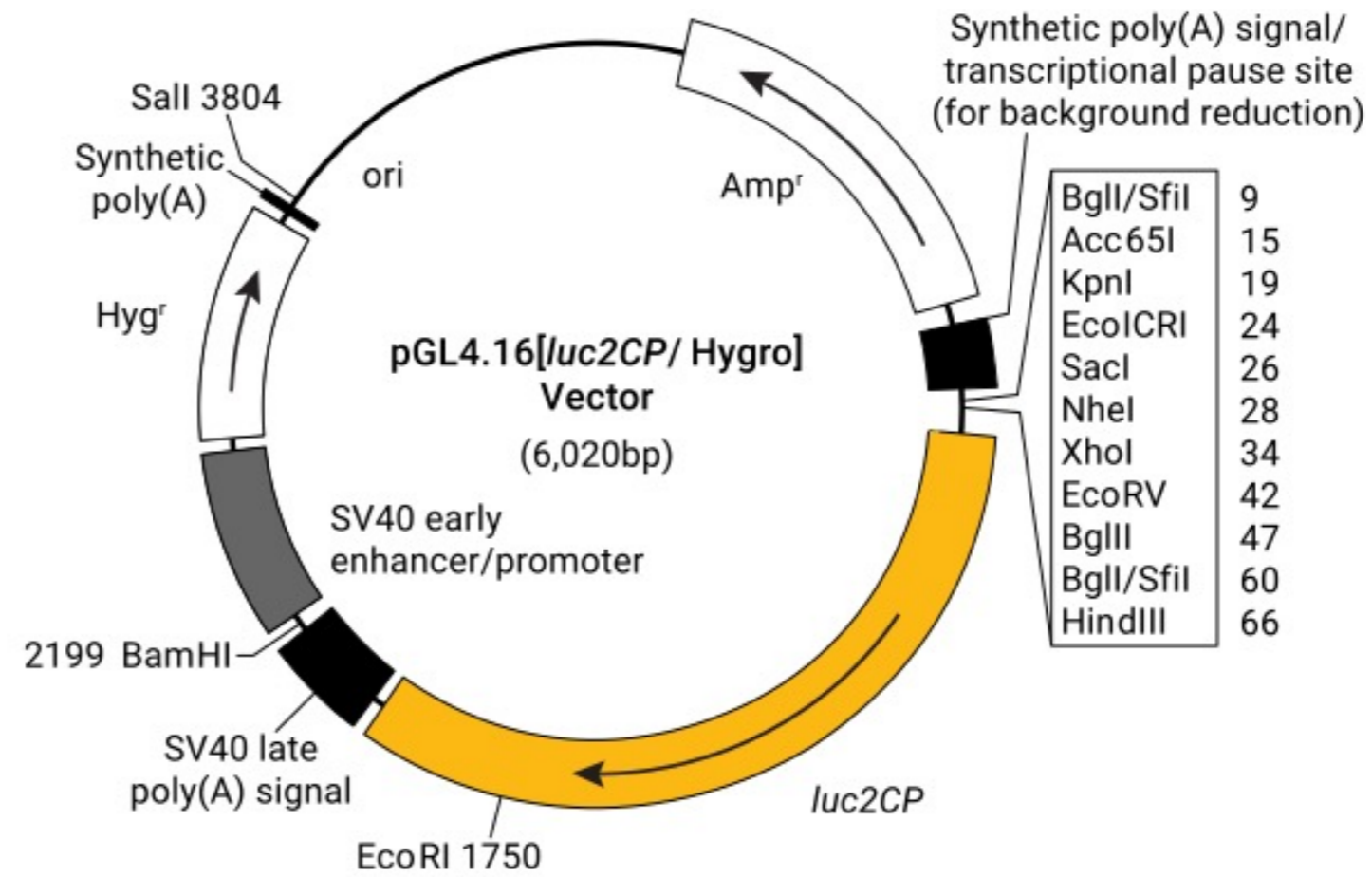
Inserts

Reporter gene

Promoter, splice, PolyA
- long version of Hsp70B promoter
- SV40 splice and polyA

Comments
- may originally be from Lea Sistonen's lab
- image is for parent vector, not sure about hygro marker
- luciferase destabilized (luc2CP has 0.4-hour half-life); mRNA also destabilized?

Reference



Construct number
Constructed by Neckers lab

Date entered 26.6.19
Date constructed

PLASMID NAME

CMV-LUC2CP/ARE

<u>bacterial marker</u> Amp	<u>parent vector</u> pGL4.16
<u>vertebrate marker</u> Hygromycin	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

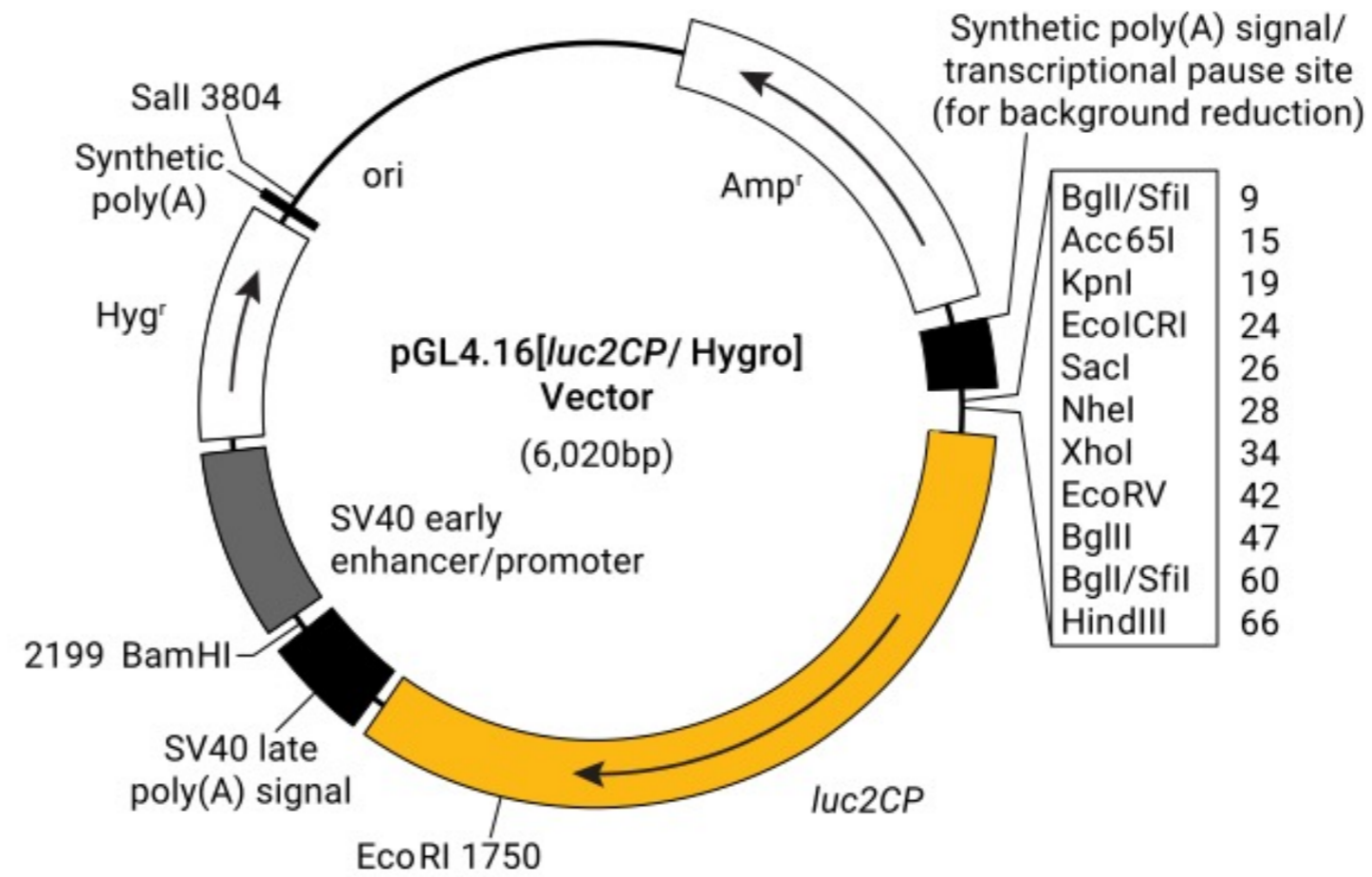
Inserts

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - SV40 splice and polyA
PolyA

Comments - may originally be from Lea Sistonen's lab
- image is for parent vector, not sure about hygro marker
- luciferase destabilized (luc2CP has 0.4-hour half-life); mRNA also destabilized?

Reference



Construct number

2928

Date entered

26.6.19

Constructed by

Neckers lab

Date constructed

PLASMID NAME

pcDNA-Flag HSF1 wt

bacterial marker Amp

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

pcDNA

bacterial plasmid

other relevant source constructs

Inserts Human Hsf1 with Flag tag (N-terminal?)

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - bGH splice and polyA
PolyA

Comments - may originally be from Lea Sistonen's lab

Reference Mentioned in Kijima et al. (2018) Sci. Rep. 8, 6976

Construct number
Constructed by Neckers lab

Date entered 26.6.19
Date constructed

PLASMID NAME

pcDNA-Flag HSF1 C205

<u>bacterial marker</u> Amp	<u>parent vector</u> pcDNA
<u>vertebrate marker</u> Neo (G418)	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

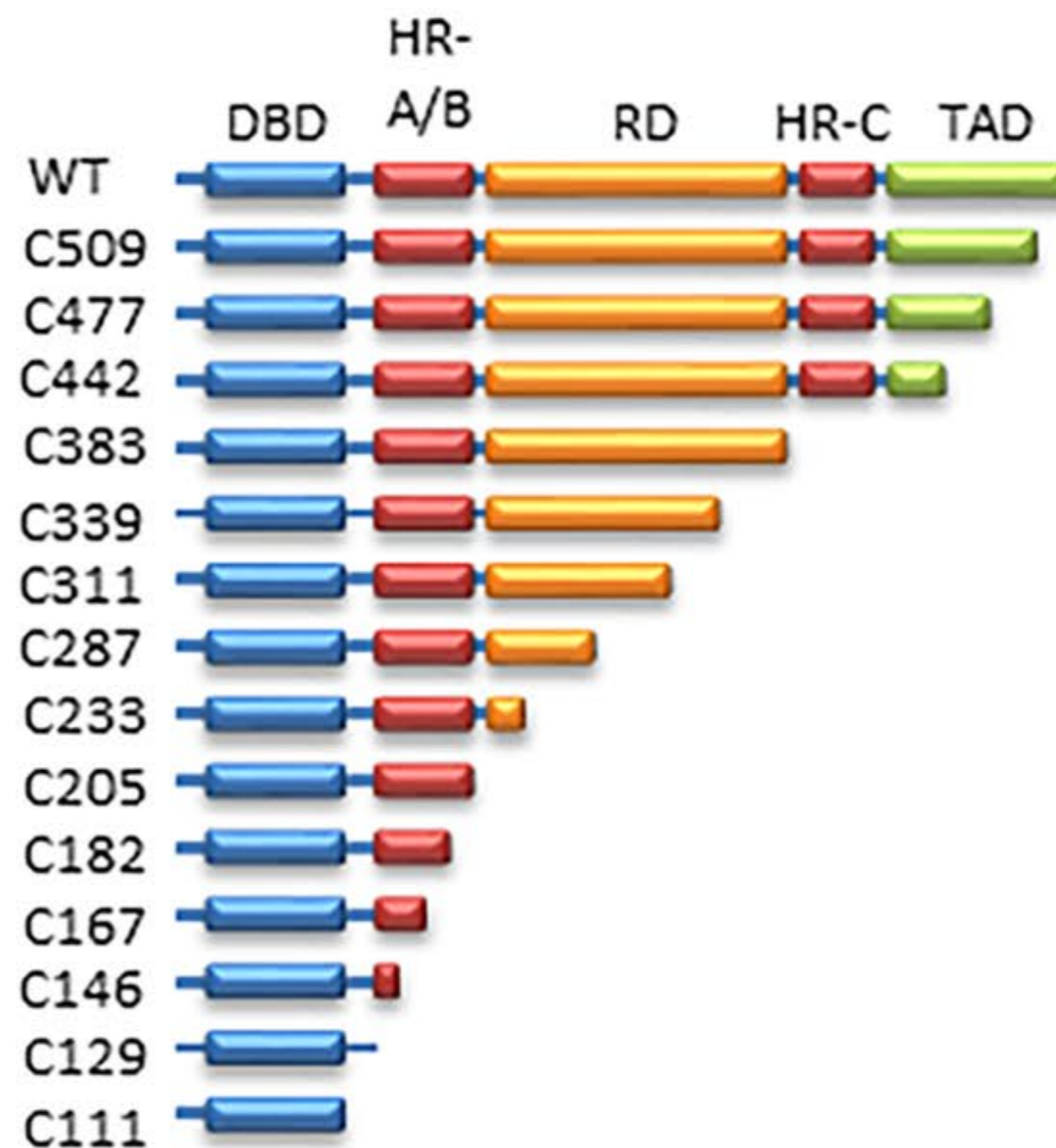
Inserts Flag-tagged C-terminal truncation of human Hsf1 (retains first 205 amino acids)

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - bGH splice and polyA
PolyA

Comments - stop codon within full-length Hsf1 ORF at codon 206
- sequence available (reconstructed by us from control sequences and with pCDNA3.1+ as vector).

Reference Kijima et al. (2018) Sci. Rep. 8, 6976



Construct number
Constructed by Neckers lab

Date entered 26.6.19
Date constructed

PLASMID NAME

pcDNA-Flag HSF1 C233

<u>bacterial marker</u> Amp	<u>parent vector</u> pcDNA
<u>vertebrate marker</u> Neo (G418)	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

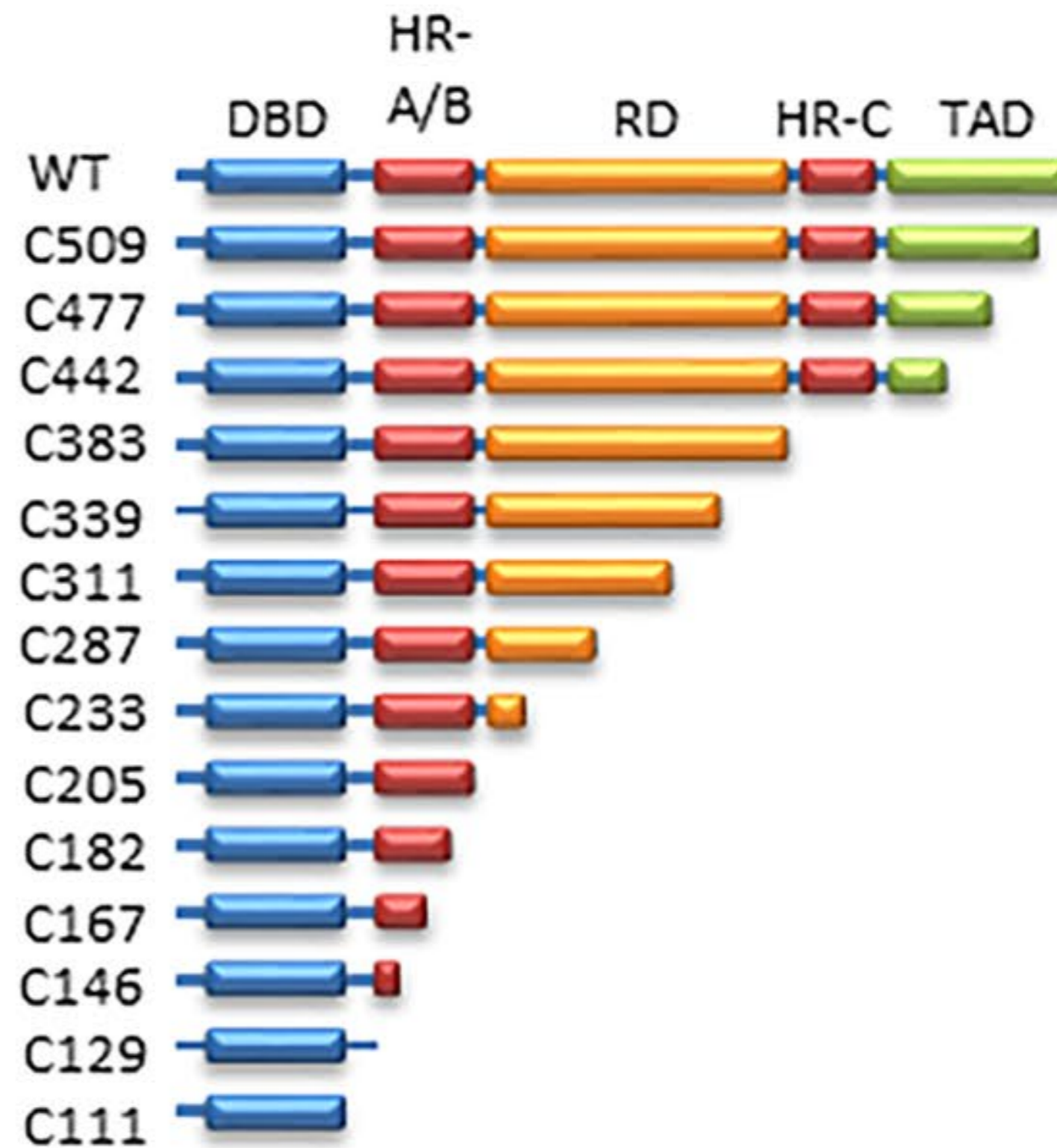
Inserts Flag-tagged C-terminal truncation of human Hsf1 (retains first 232 amino acids)

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - bGH splice and polyA
PolyA

Comments - stop codon within full-length Hsf1 ORF at codon 233 (not 234)
- sequence available (reconstructed by us from control sequences and with pCDNA3.1+ as vector).

Reference Kijima et al. (2018) Sci. Rep. 8, 6976



DIDIER PICARD LAB, University of Geneva

Construct number 2931

Date entered 19.7.19

Constructed by Lilia Bernasconi

Date constructed 07/2019

PLASMID NAME

pMTS.Cherry.90β

bacterial marker Kan	parent vector pCherry.90β
vertebrate marker Neo (G418)	bacterial plasmid pUC
eucaryotic replicon SV40 ori	other relevant source constructs pcDNA3.1+TRAP1 MTS+HA (PCR template)

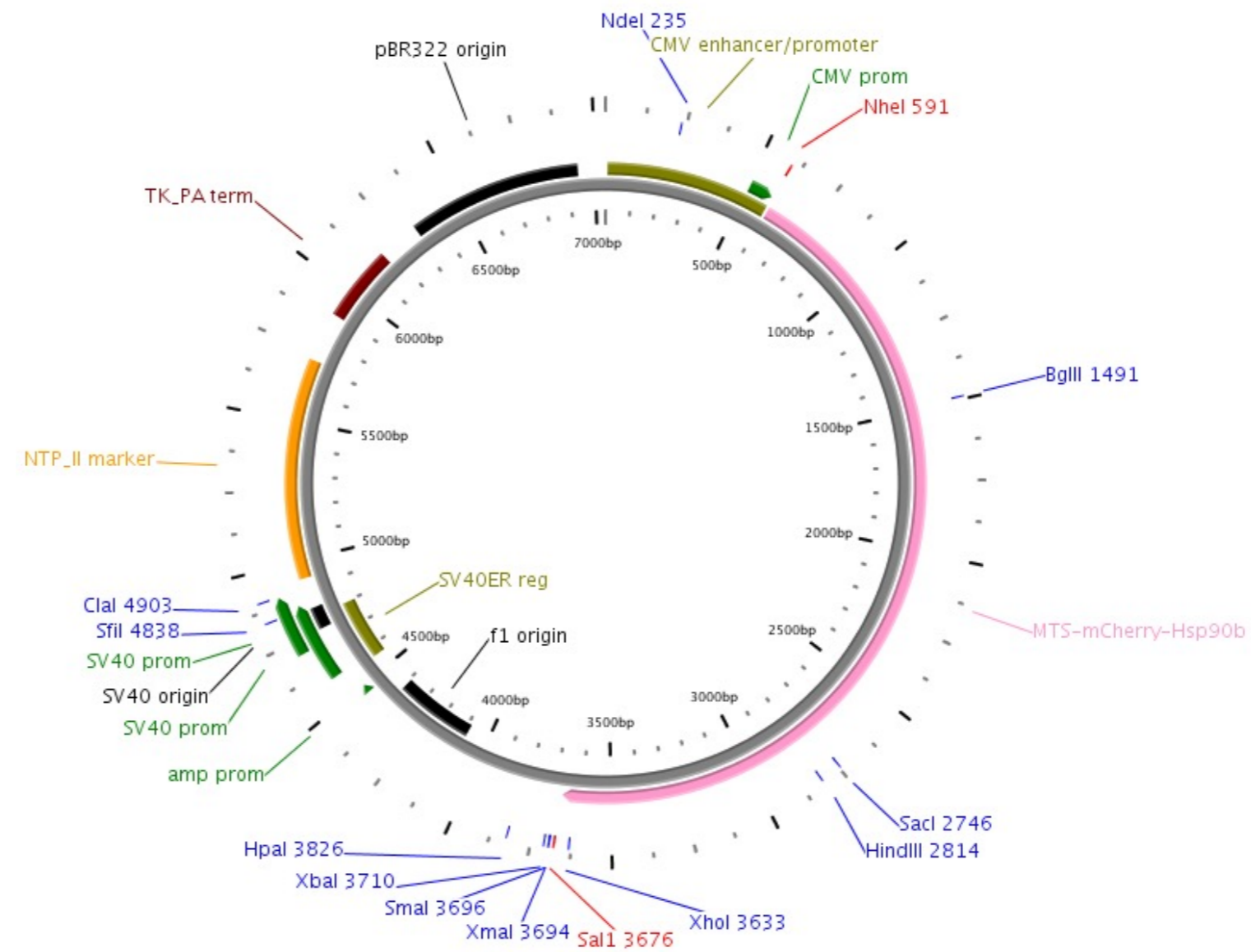
Inserts Mitochondrial targeting signal of human Trap1 (59 AA) fused to mCherry fused to human Hsp90β

Reporter gene

Promoter, - CMV enhancer and promoter
splice, - SV40 poly A
PolyA

Comments - sequence available

Reference Ref. for parent vector: Picard et al. (2006) Exp. Cell Res. 312, 3949



DIDIER PICARD LAB, University of Geneva

Construct number 2933
Constructed by Didier Picard

Date entered 27.8.19
Date constructed 08.2019

PLASMID NAME

HSF1-C205.VP16

bacterial marker Amp	parent vector pcDNA3.1+
vertebrate marker Neo (G418)	bacterial plasmid pUC
eukaryotic replicon SV40 ori	other relevant source constructs pHCA/GAL4(1-93).ER.VP16

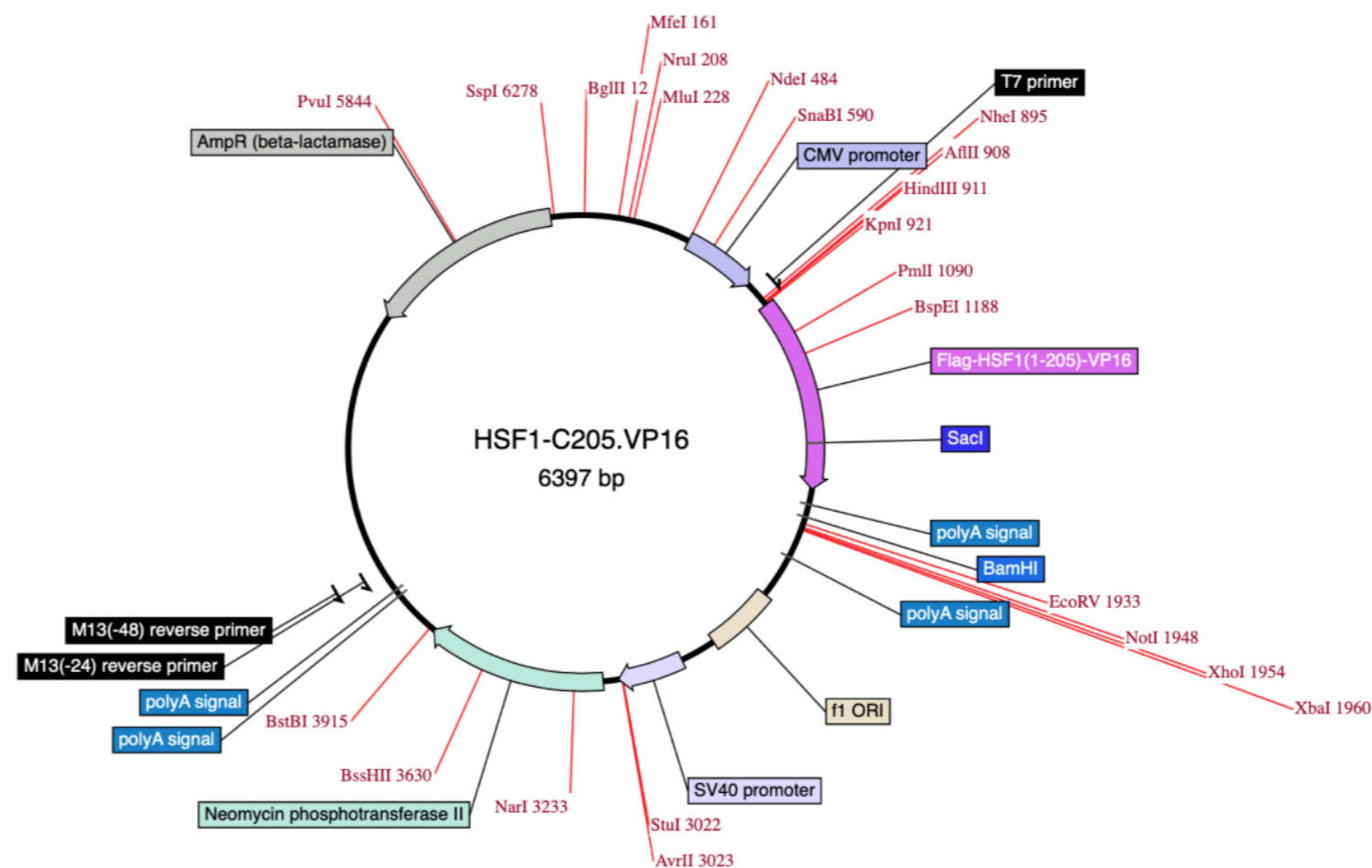
Inserts Flag-tagged C-terminal truncation of human Hsf1 (first 205 amino acids) fused to VP16

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - bGH splice and polyA
PolyA

Comments - sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 2934
Constructed by Didier Picard

Date entered 27.8.19
Date constructed 08.2019

PLASMID NAME

HSF1-C232.VP16

bacterial marker Amp	parent vector pcDNA3.1+
vertebrate marker Neo (G418)	bacterial plasmid pUC
eukaryotic replicon SV40 ori	other relevant source constructs pHCA/GAL4(1-93).ER.VP16

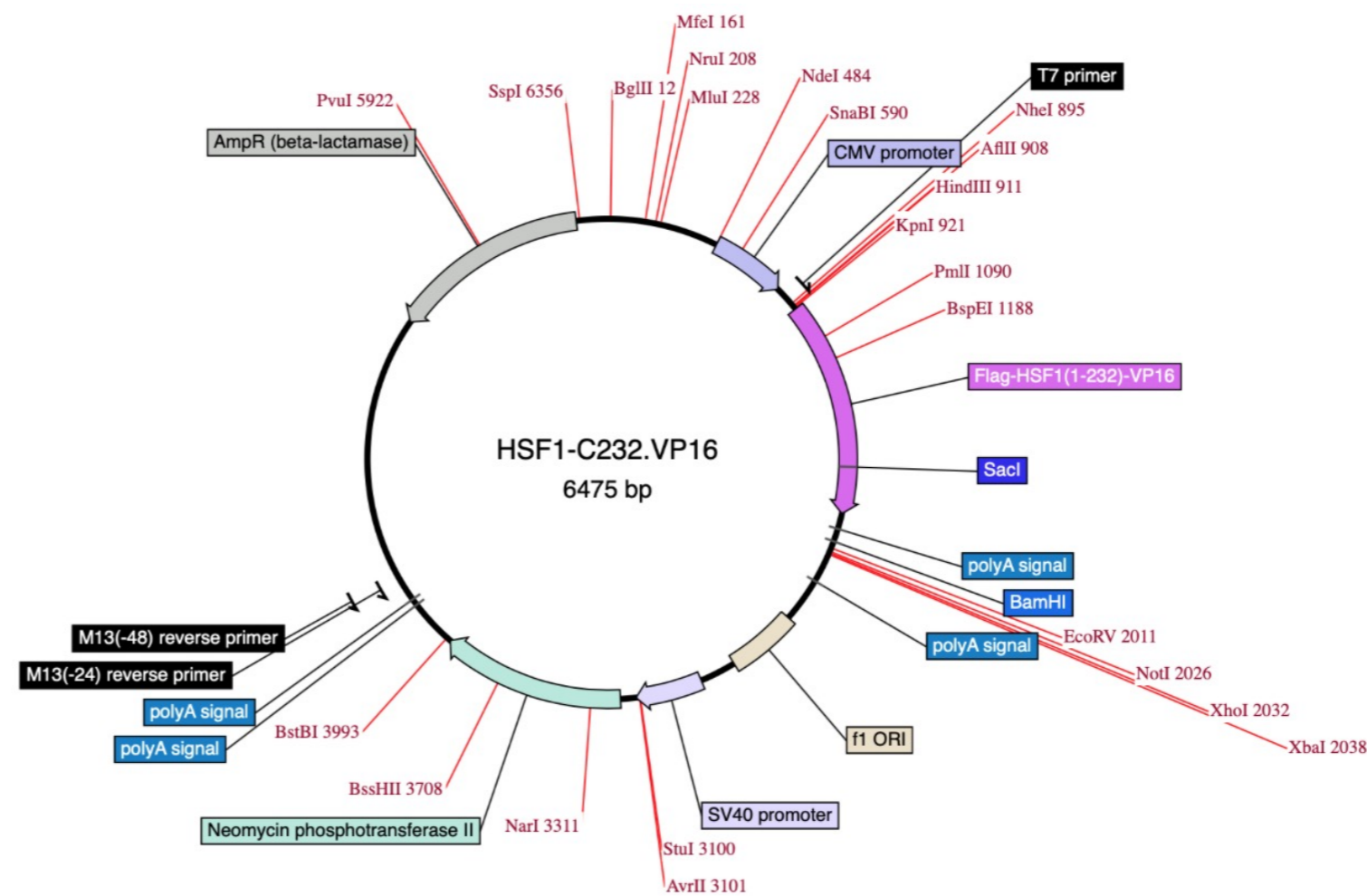
Inserts Flag-tagged C-terminal truncation of human Hsf1 (first 232 amino acids) fused to VP16

Reporter gene

Promoter, - CMV enhancer/promoter
splice, - bGH splice and polyA
PolyA

Comments - sequence available

Reference



Construct number

2935

Date entered

12.9.19

Constructed by

Joyce Dai

Date constructed

PLASMID NAME

pcDNA3.1 - TRAP1 - FLAG

bacterial marker Amp

parent vector

pcDNA3.1

bacterial plasmid

other relevant source constructs

Inserts

TRAP1 with C-terminal FLAG tag.

TRAP1 along with the FLAG tag has been inserted between Kpn1 and Xho1 sites.

Proper MAP and Sequence UNAVAILABLE

Reporter gene

Promoter,
splice,
PolyA

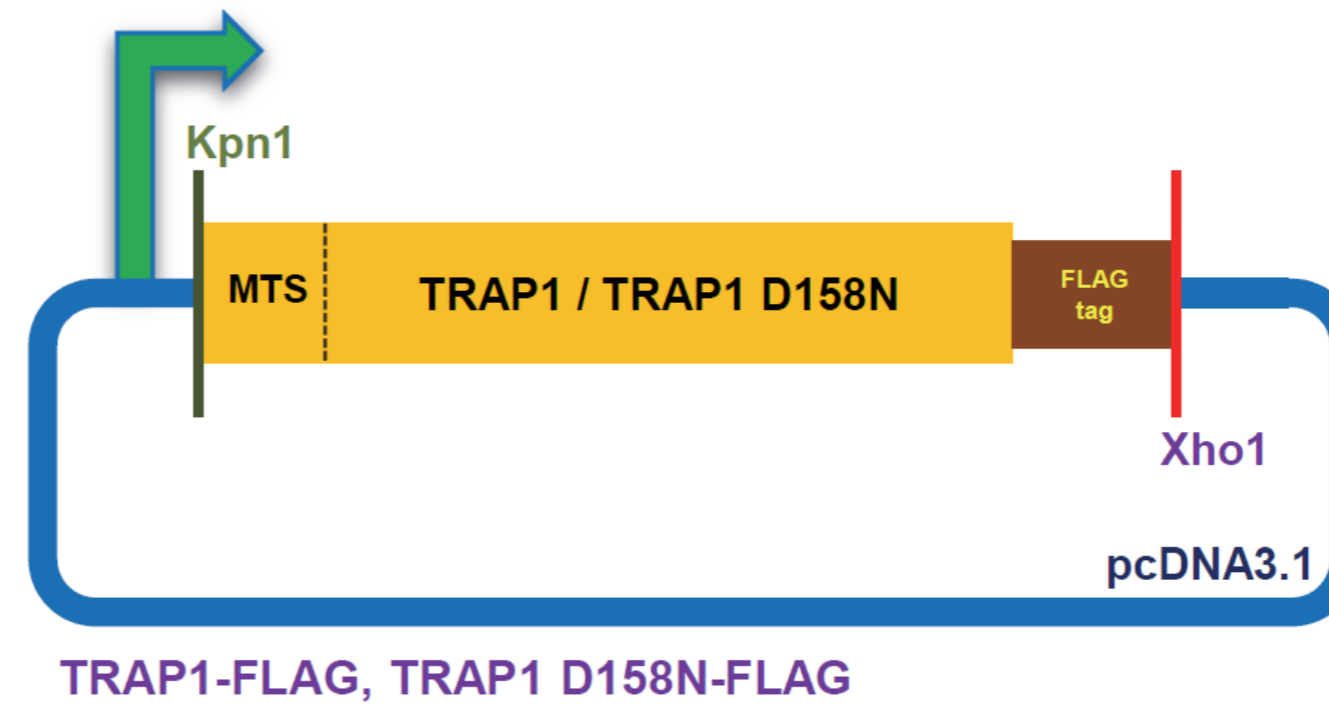
Comments

This construct was obtained from Len Neckers Lab.

This construct forms large amounts of the TRAP1 tetramer for unknown reason

Reference

Joshi et al. (2020) BMC Biol. 18, 10.



Construct number

2936

Date entered

12.9.19

Constructed by

Joyce Dai

Date constructed

PLASMID NAME

pcDNA3.1 - TRAP1(D158N) FLAG

bacterial marker Amp

parent vector

pcDNA3.1

bacterial plasmid

other relevant source constructs

Inserts

TRAP1 D158N point mutant with C-terminal FLAG tag.

TRAP1 along with the FLAG tag has been inserted between Kpn1 and Xho1 sites.

Proper MAP and Sequence UNAVAILABLE

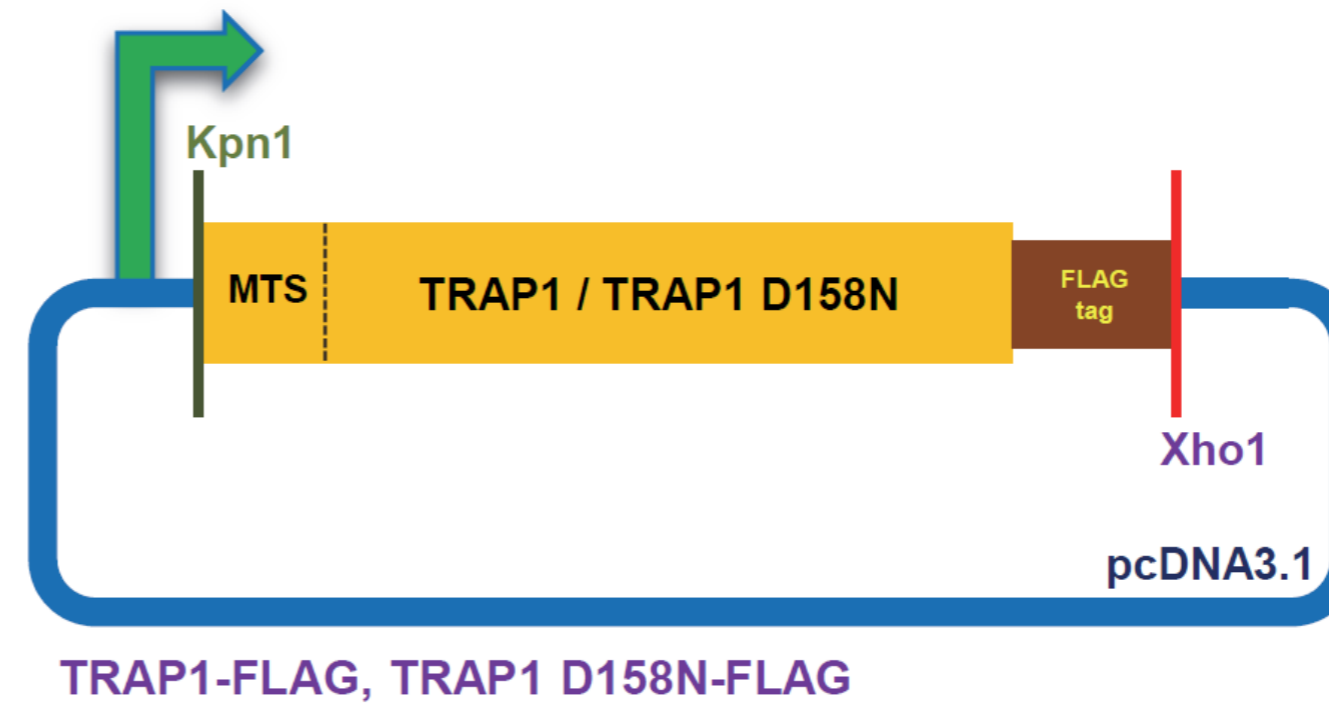
Reporter gene

Promoter,
splice,
PolyA

Comments This construct was obtained from Len Neckers Lab.

This construct forms large amounts of the TRAP1 tetramer for unknown reason

Reference Joshi et al. (2020) BMC Biol. 18, 10.



Construct number

Date entered 13.11.19

Constructed by MRC-PPU reagent, Dundee

Date constructed

PLASMID NAME

pFASTBAC-CDC37

bacterial marker Amp

parent vector

pFastbac1

bacterial plasmid

other relevant source constructs

Inserts Human Cdc37 with N-terminal HA tag

Reporter gene

Promoter,
splice,
PolyA

Comments - sequence of insert available
- plasmid for baculovirus expression
- ID of supplier: DU2052

Reference

Construct number

2938

Date entered

13.11.19

Constructed by

MRC-PPU reagent, Dundee

Date constructed

PLASMID NAME

pCMV DU-OsTIR1-6Myc

bacterial marker Amp

parent vector

pCMV5D

bacterial plasmid

other relevant source constructs

Inserts

Oryza sativa TIR1 with C-terminal 6xMyc tag

Reporter gene

Promoter, CMV enhancer/promoter
splice,
PolyA bGH polyA

Comments

- sequence available
- TIR1-6Myc is on a EcoRI-ApaI fragment
- ID of supplier: DU24094

Reference

DIDIER PICARD LAB, University of Geneva

Construct number
Constructed by Diana Wider

Date entered 13.11.19
Date constructed 11.2019

PLASMID NAME

y Δ c Δ -Zip2S

bacterial marker Amp	parent vector y Δ c-Zip2S
yeast marker URA3	bacterial plasmid BS
eucaryotic replicon 2 μ circle	other relevant source constructs

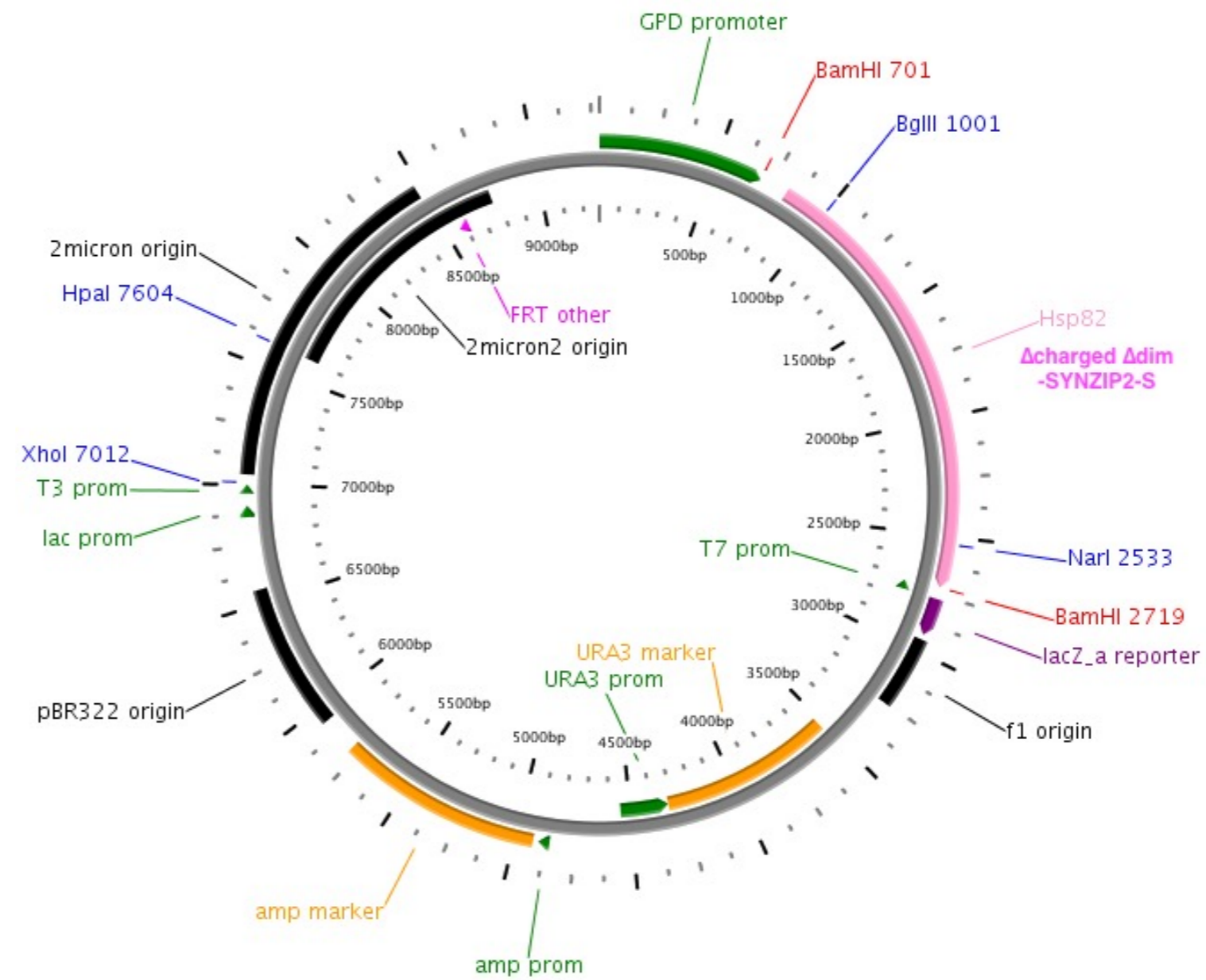
Inserts Full-length yeast Hsp82 without charged domain (Δ AA 211-259) and C-terminal truncation starting with S619, fused to C-terminal coiled-coil sequence SYNZIP2 and streptag (S)

Reporter gene

Promoter, splice, PolyA GPD promoter

Comments - sequence available

Reference - Source of SYNZIP2, plasmid pQLinkHD-SYNZIP2, was a gift from Amy Keating (Addgene plasmid # 80658); Thompson et al. (2012) *ACS Synth Biol.* 1, 118-129.



Construct number

2940

Date entered

25.11.19

Constructed by

Jasin lab

Date constructed

PLASMID NAME

pDRGFP

bacterial marker Amp

vertebrate marker Puromycin

eukaryotic replicon SV40 ori

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter plasmid for gene conversion repair of a DSB caused by I-SceI cleavage.

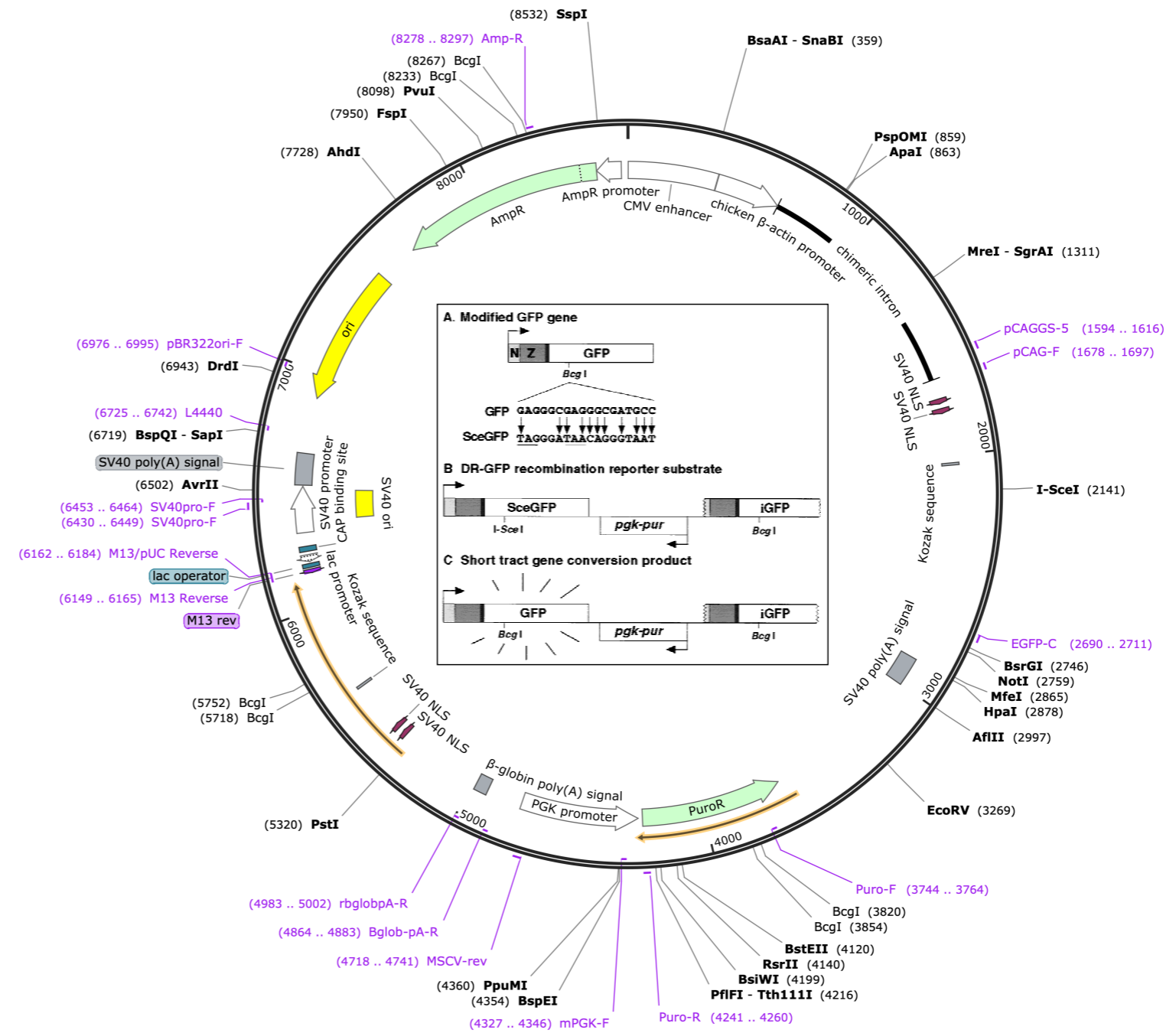
The reporter contains two mutated EGFP sequences (with 3x SV40 NLS and a zinc finger DBD from GAGA) separated by 3.7 kb; the first one has a substitution of the natural BclI site by a I-SceI containing stop codon, and the second one is 3'-truncated.

Reporter gene

Promoter, splice, PolyA - CMV enhancer/promoter - chicken β-actin intron - SV40 polyA

Comments - sequence available - plasmid from Addgene (# 26475)

Reference Pierce et al. (1999) Genes Dev. 13, 2633



Construct number

2941

Date entered

2.12.19

Constructed by

UNIGE Antibody platform

Date constructed

11/2019

PLASMID NAME

pWa-Fc/H90-10

Created with SnapGene®

bacterial marker SupF

parent vector

pWAM2

bacterial plasmid

other relevant source constructs

eukaryotic replicon SV40 ori

Inserts

Recombinant ScFv antibody of mouse monoclonal H90-10; mouse IgG2a isotype.

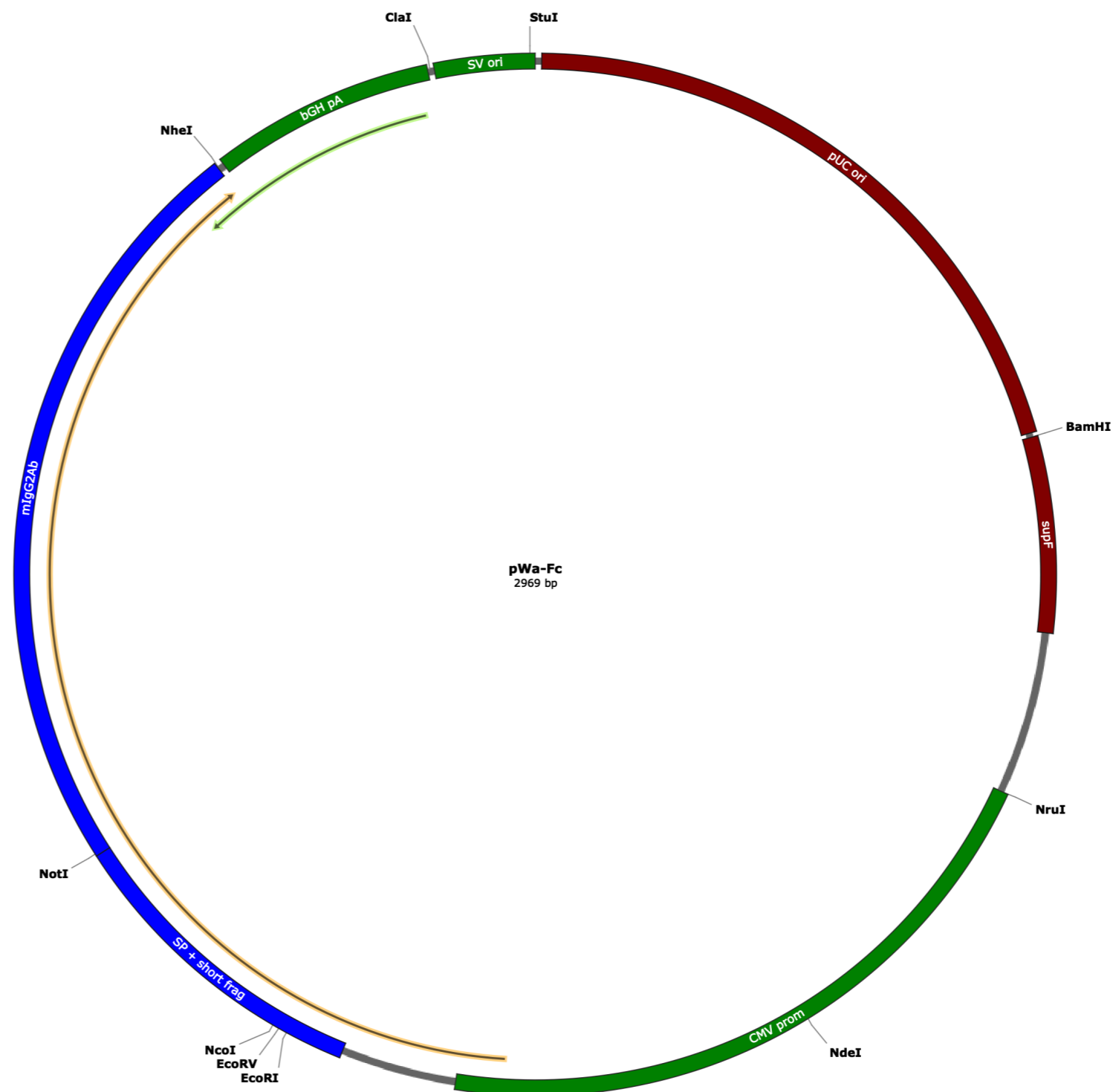
Reporter gene

Promoter, splice, PolyA - CMV enhancer/promoter
- bGH poly A

Comments - sequences available

- only contains SupF as marker; to prepare DNA in E. coli, requires the p3 episome (e.g. strains MC1061/p3 or Top10/p3; grow transformants at 12.5 µg/ml Amp, 7.5 µg/ml Tet)

Reference For ScFv production in HEK293T, see Blanc et al. (2013) ALTEX 31, 37.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.12.19

Constructed by Abhinav Joshi

Date constructed

PLASMID NAME

pcDNA3.1+TRAP1 MTS+N+HA

bacterial marker Amp

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

pcDNA3.1 + TRAP1 MTS + HA

bacterial plasmid

pUC

other relevant source constructs

Inserts TRAP1 N-terminal domain with N-terminal TRAP1 MTS and C-terminal HA tag

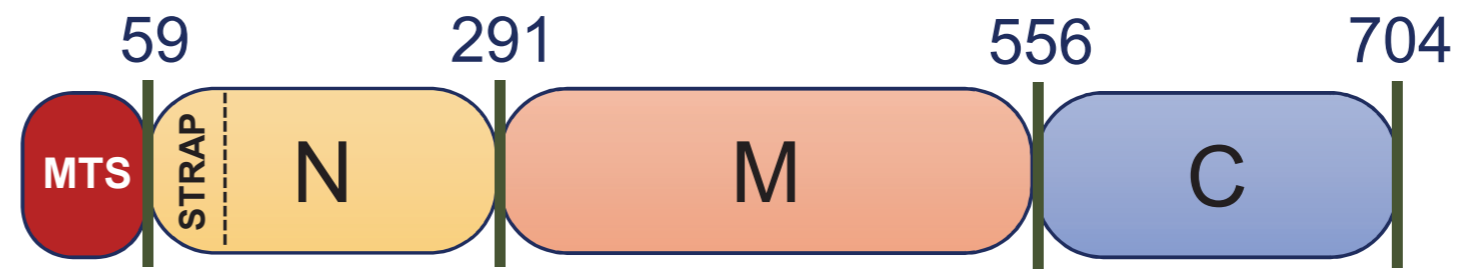
Reporter gene

Promoter, splice, PolyA CMV,

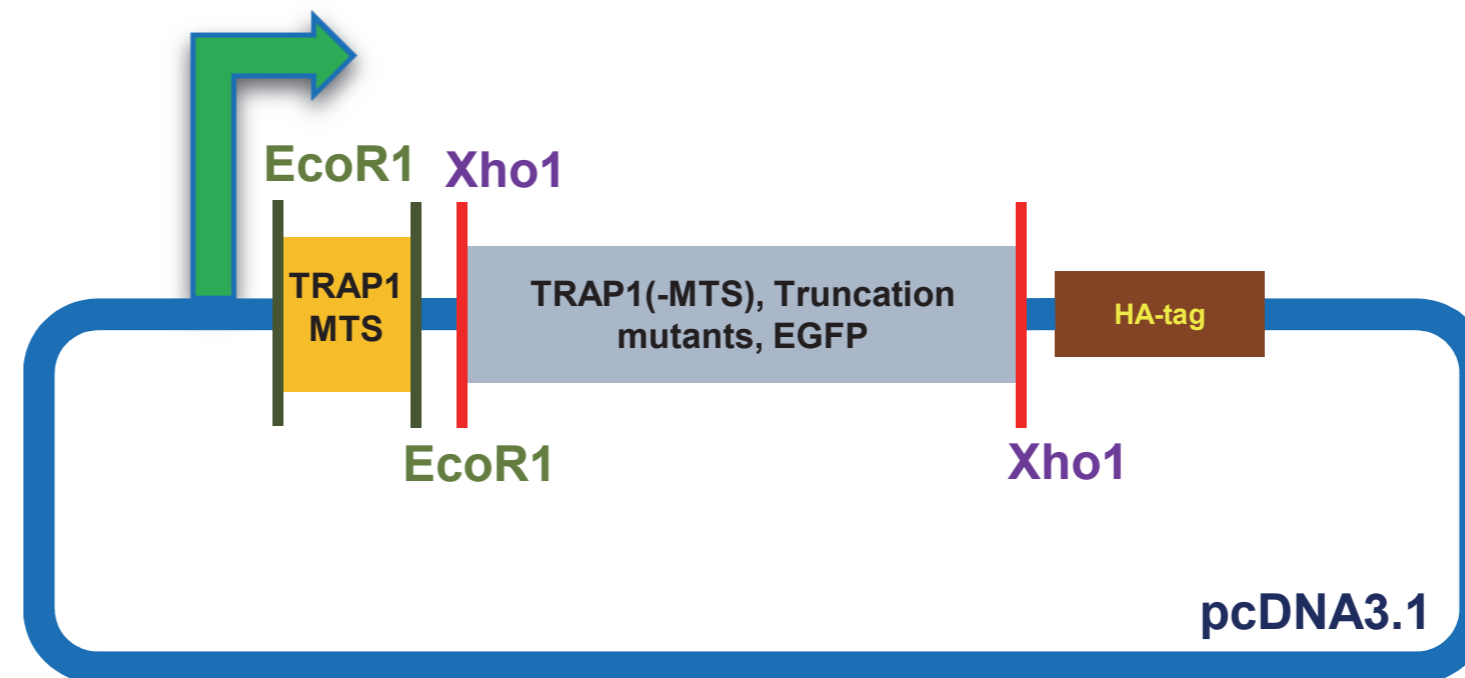
bGH polyA

Comments

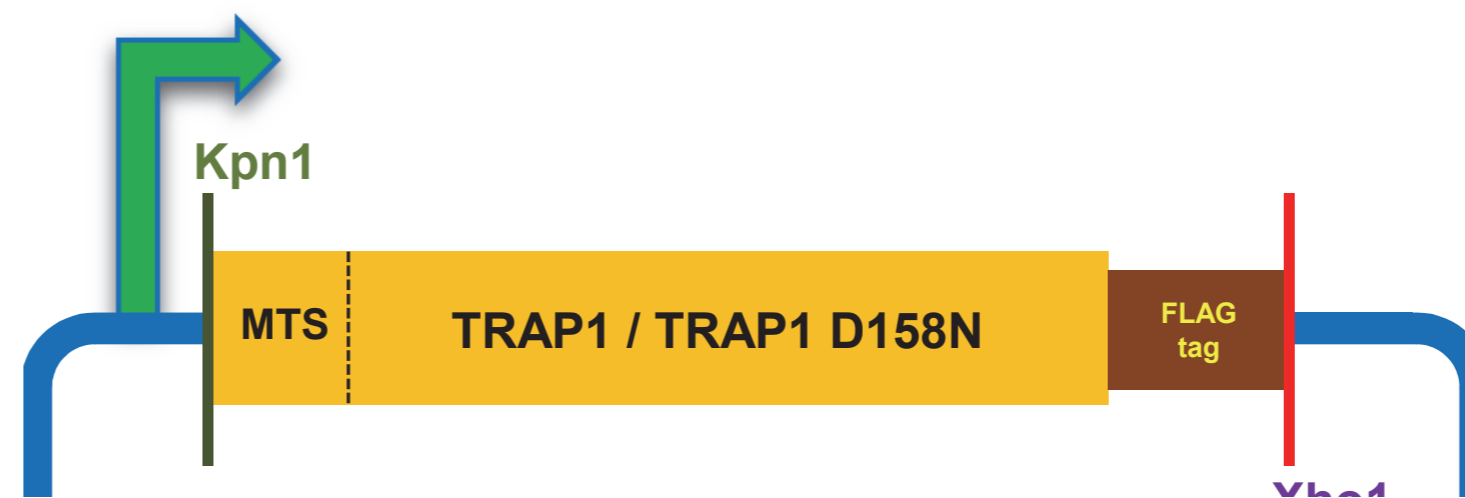
Reference Joshi et al. (2020) BMC Biol. 18, 10.



Human TRAP1 domains



mitoEGFP, TRAP1, TRAP1 E115A/R402A, TRAP1 ΔStrap, N



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.12.19

Constructed by Abhinav Joshi

Date constructed

PLASMID NAME

pcDNA3.1+TRAP1 MTS+M+HA

bacterial marker Amp

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

pcDNA3.1 + TRAP1 MTS + HA

bacterial plasmid

pUC

other relevant source constructs

Inserts TRAP1 middle domain with N-terminal TRAP1 MTS and C-terminal HA tag

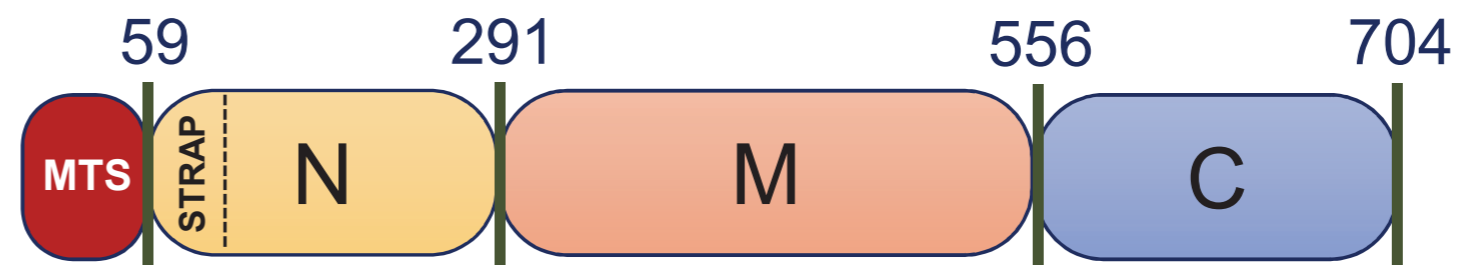
Reporter gene

Promoter, splice, PolyA CMV,

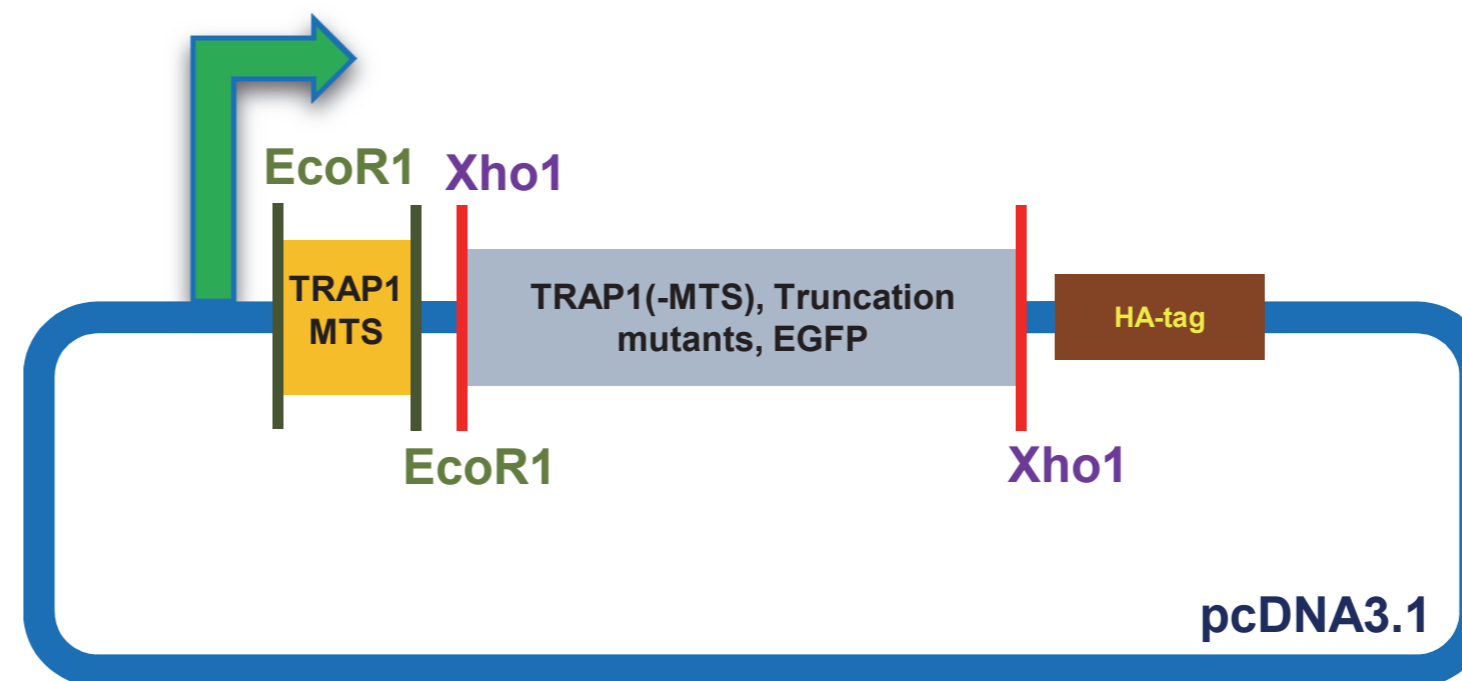
bGH polyA

Comments

Reference Joshi et al. (2020) BMC Biol. 18, 10.



Human TRAP1 domains



mitoEGFP, TRAP1, TRAP1 E115A/R402A, TRAP1 ΔStrap, N



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.12.19

Constructed by Abhinav Joshi

Date constructed

PLASMID NAME

pcDNA3.1+TRAP1 MTS+C+HA

bacterial marker Amp

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

pcDNA3.1 + TRAP1 MTS + HA

bacterial plasmid

pUC

other relevant source constructs

Inserts TRAP1 C-terminal domain with N-terminal TRAP1 MTS and C-terminal HA tag

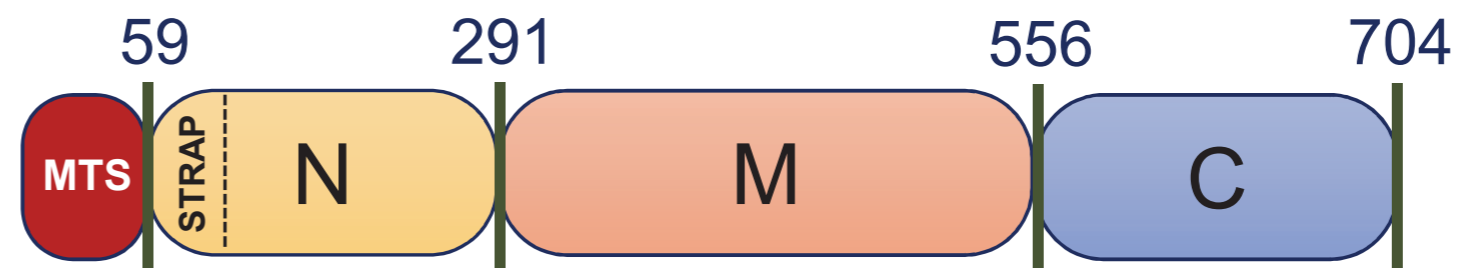
Reporter gene

Promoter, splice, PolyA CMV,

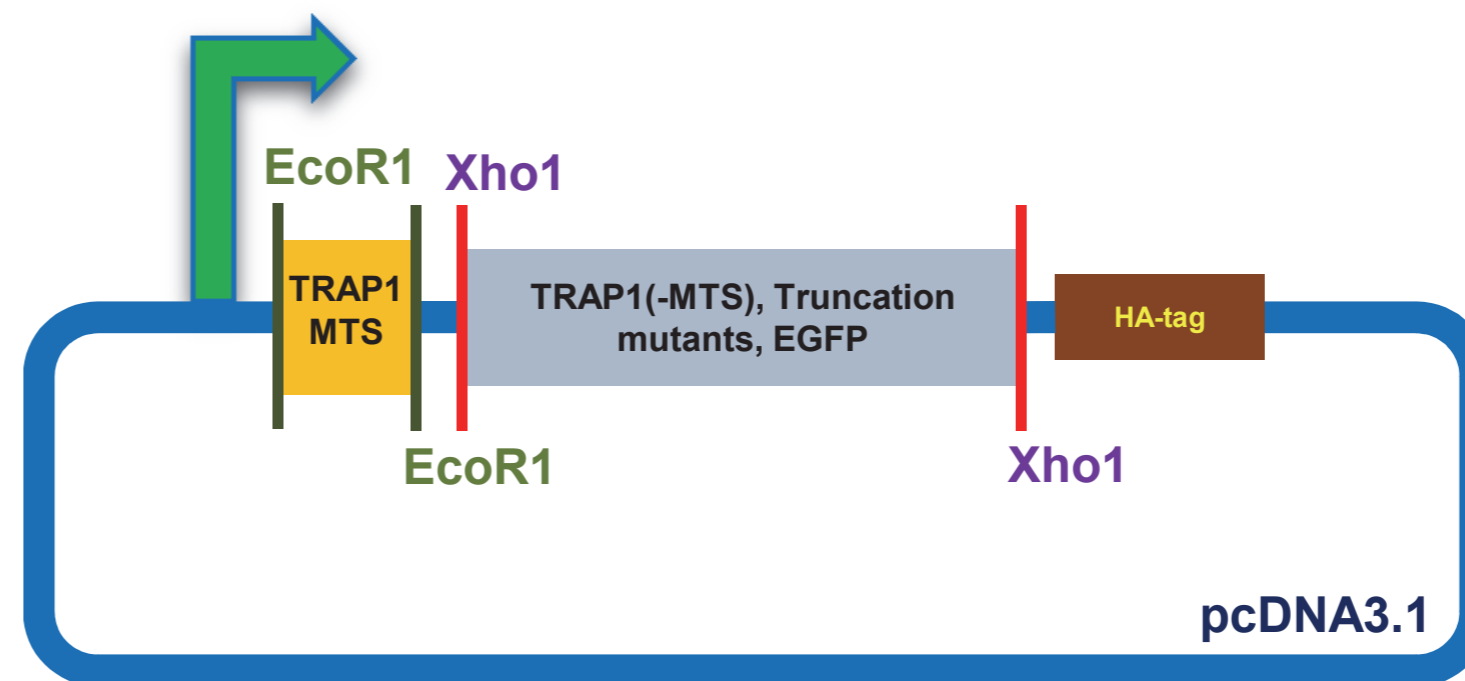
bGH polyA

Comments

Reference Joshi et al. (2020) BMC Biol. 18, 10.



Human TRAP1 domains



mitoEGFP, TRAP1, TRAP1 E115A/R402A, TRAP1 ΔStrap, N



DIDIER PICARD LAB, University of Geneva

Construct number 2945

Date entered 4.12.19

Constructed by Abhinav Joshi

Date constructed

PLASMID NAME

pcDNA3.1+TRAP1 MTS+NM+HA

bacterial marker Amp

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

pcDNA3.1 + TRAP1 MTS + HA

bacterial plasmid

pUC

other relevant source constructs

Inserts TRAP1 N-terminal and middle domains with N-terminal TRAP1 MTS and C-terminal HA tag

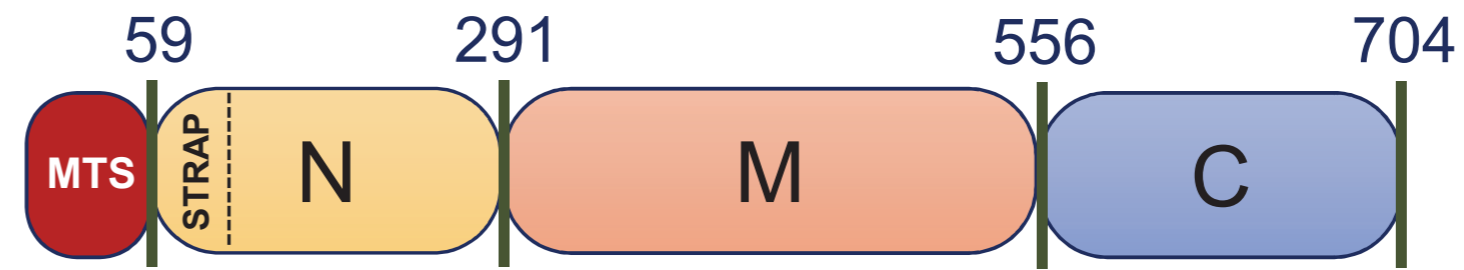
Reporter gene

Promoter, splice, PolyA CMV,

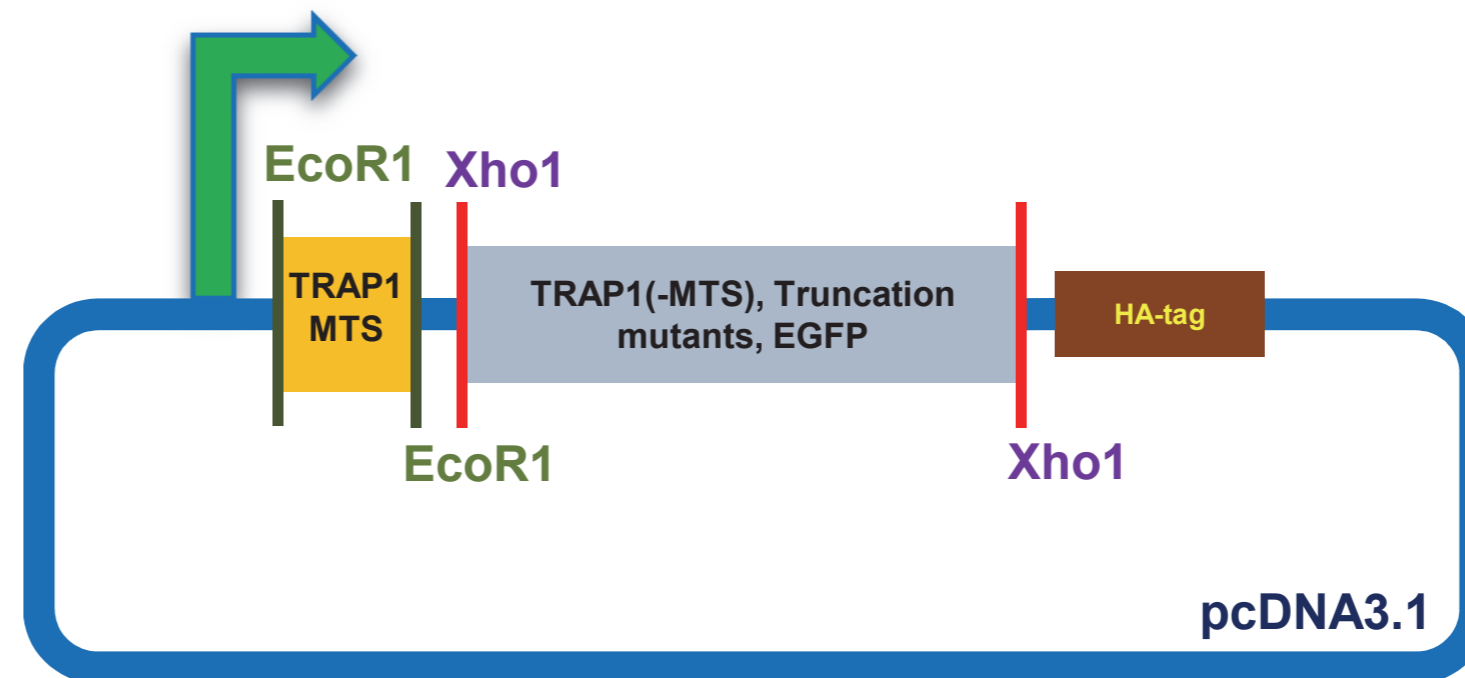
bGH polyA

Comments

Reference Joshi et al. (2020) BMC Biol. 18, 10.



Human TRAP1 domains



mitoEGFP, TRAP1, TRAP1 E115A/R402A, TRAP1 ΔStrap, N



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.12.19

Constructed by Abhinav Joshi

Date constructed

PLASMID NAME

pcDNA3.1+TRAP1 MTS+MC+HA

bacterial marker Amp

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

pcDNA3.1 + TRAP1 MTS + HA

bacterial plasmid

pUC

other relevant source constructs

Inserts TRAP1 middle and C-terminal domains with N-terminal TRAP1 MTS and C-terminal HA tag

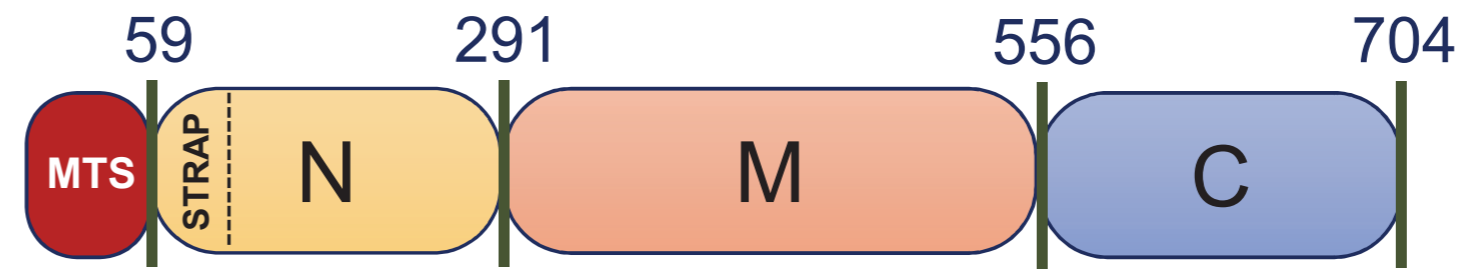
Reporter gene

Promoter, splice, PolyA CMV,

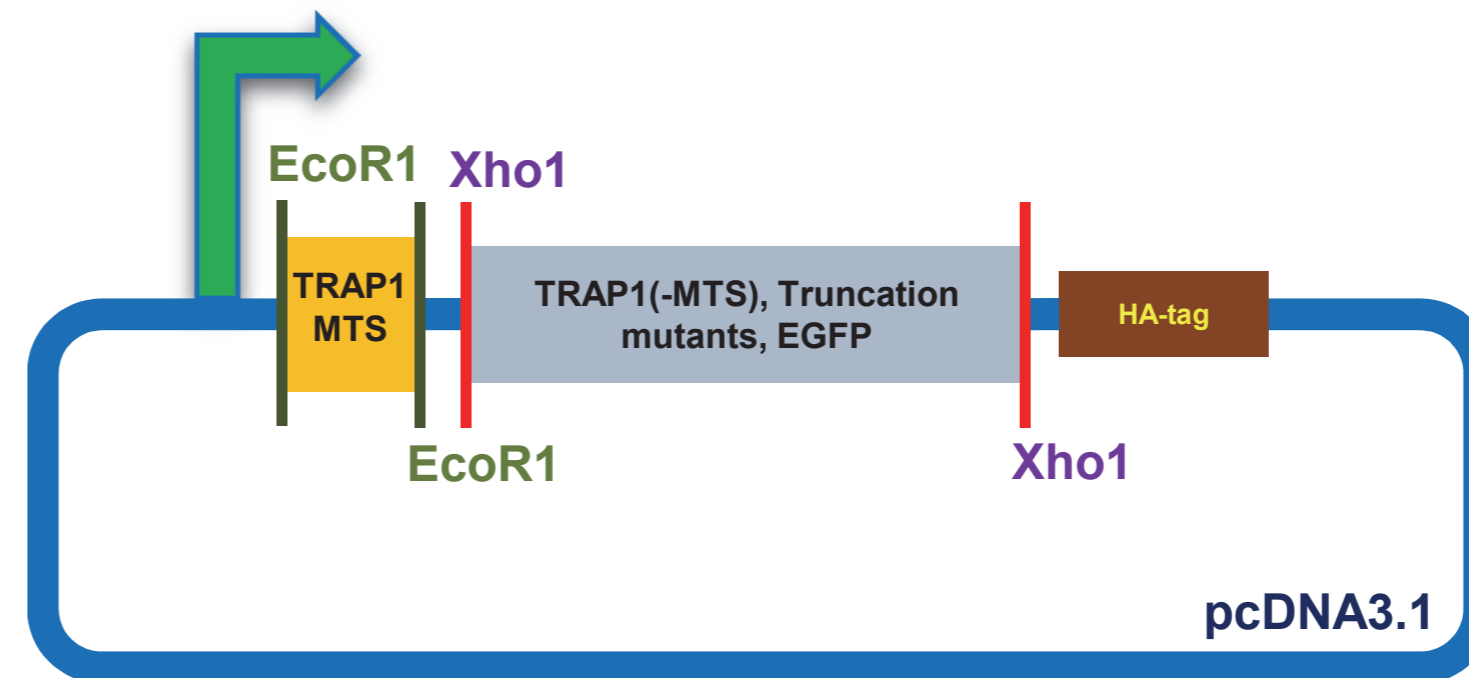
bGH polyA

Comments

Reference Joshi et al. (2020) BMC Biol. 18, 10.



Human TRAP1 domains



mitoEGFP, TRAP1, TRAP1 E115A/R402A, TRAP1 ΔStrap, N



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Diana Wider

Date entered 5.12.19
 Date constructed 12.2019

PLASMID NAME

yΔcΔ-Zip1H

bacterial marker Amp	parent vector yΔc-Zip1H
yeast marker LEU2	bacterial plasmid BS
eucaryotic replicon 2μ circle	other relevant source constructs

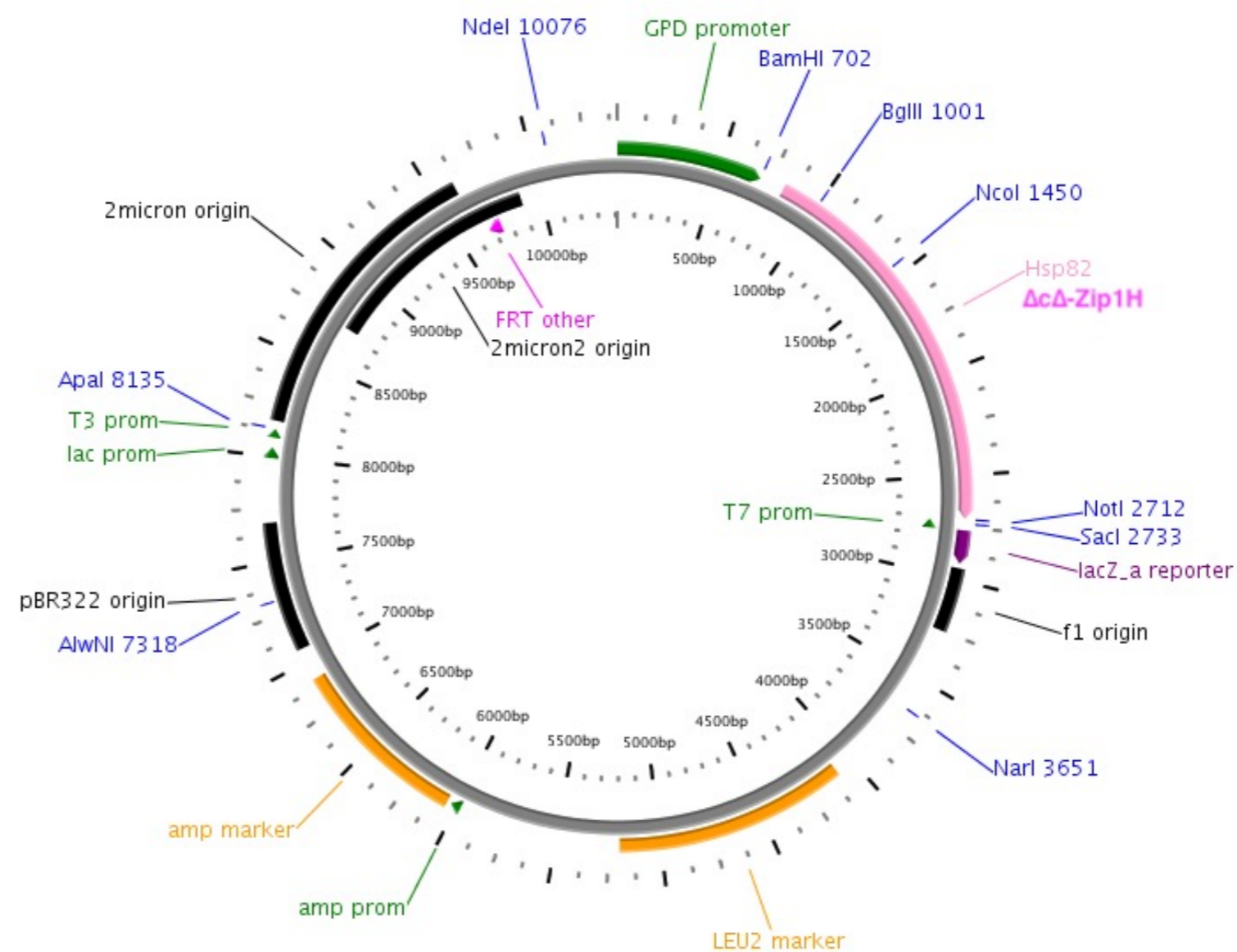
Inserts Full-length yeast Hsp82 without charged domain (Δ AA 211-259) and C-terminal truncation starting with S619, fused to C-terminal coiled-coil sequence SYNZIP1 and His6 tag

Reporter gene

Promoter, splice, PolyA GPD promoter

Comments - sequence available

Reference - Source of SYNZIP1, plasmid pQLinkHD-SYNZIP1, was a gift from Amy Keating (Addgene plasmid # 80647); Thompson et al. (2012) *ACS Synth Biol.* 1, 118-129.



DIDIER PICARD LAB, University of Geneva

Construct number 2948
Constructed by Diana Wider

Date entered 23.12.19
Date constructed 01.2020

PLASMID NAME

NLS-ISceI.GR.mH

bacterial marker Amp	parent vector pcDNA3.1+
vertebrate marker Neo (G418)	bacterial plasmid pUC
eucaryotic replicon SV40 ori	other relevant source constructs pLew100-NLS-ISceI-HA, ISceI-GR-RFP

Inserts Homing endonuclease I-SceI with N-terminal NLS and C-terminal hormone binding domain (HBD) of rat GR (with C656G point mutant) and very C-terminal myc and His6 tags

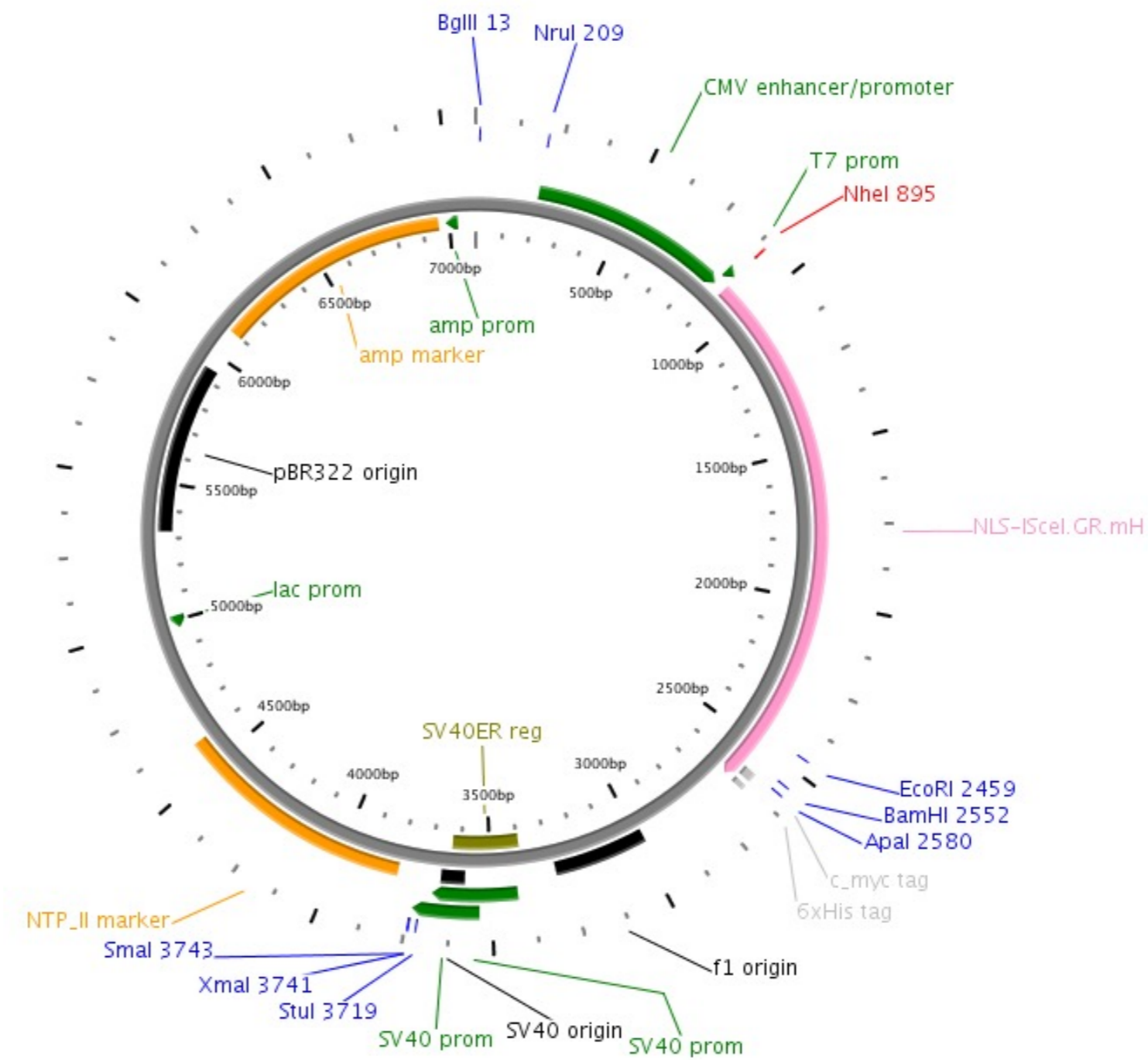
Reporter gene

Promoter, splice, PolyA

- CMV enhancer/promoter
- T7 promoter/priming site
- BGH polyA sequence
- f1 origin
- SV40 early promoter and origin
- SV40 early polyA signal
- pUC origin

Comments - sequence available

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2949

Date entered

3.1.20

Constructed by

Nastaran Ghahhari

Date constructed

PLASMID NAME

pGEX-2T-ERα/F-domain

bacterial marker Amp

parent vector

pGEX-2T

bacterial plasmid

other relevant source constructs

Inserts

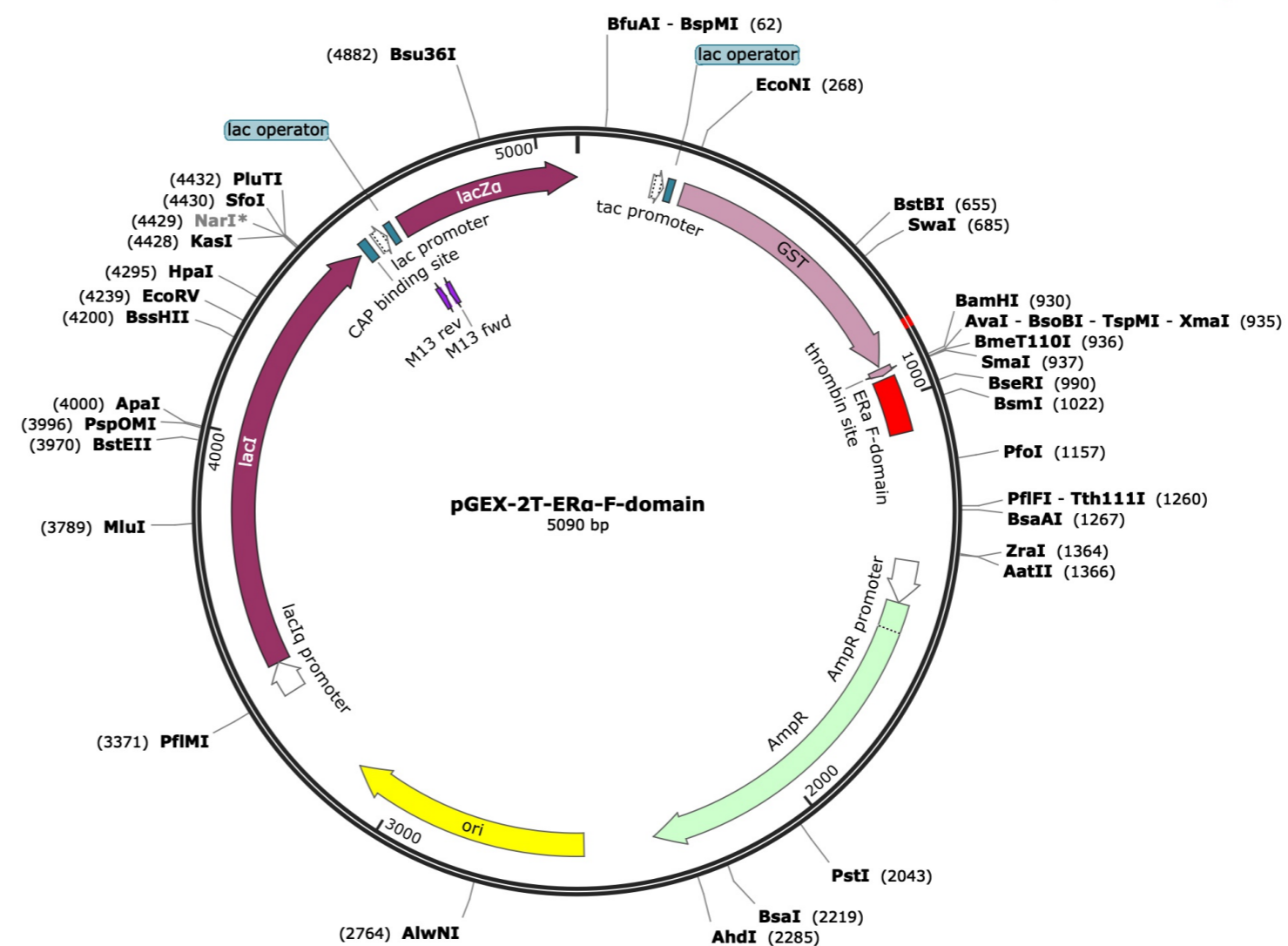
Bacterial vector for expression of human ER alpha hormone binding domain fused to GST. The HBD was PCR amplified from HEGO and inserted to EcoRI site in pGEX-2T. The tag is N-terminal.

Reporter gene

Promoter, splice, PolyA
lac

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 3.1.20

Constructed by Nastaran Ghahhari

Date constructed

PLASMID NAME

pET32-ZEB1-ZF1

bacterial marker Amp

parent vector
pET/Trx.Oaf1sLBD
bacterial plasmid

other relevant source constructs

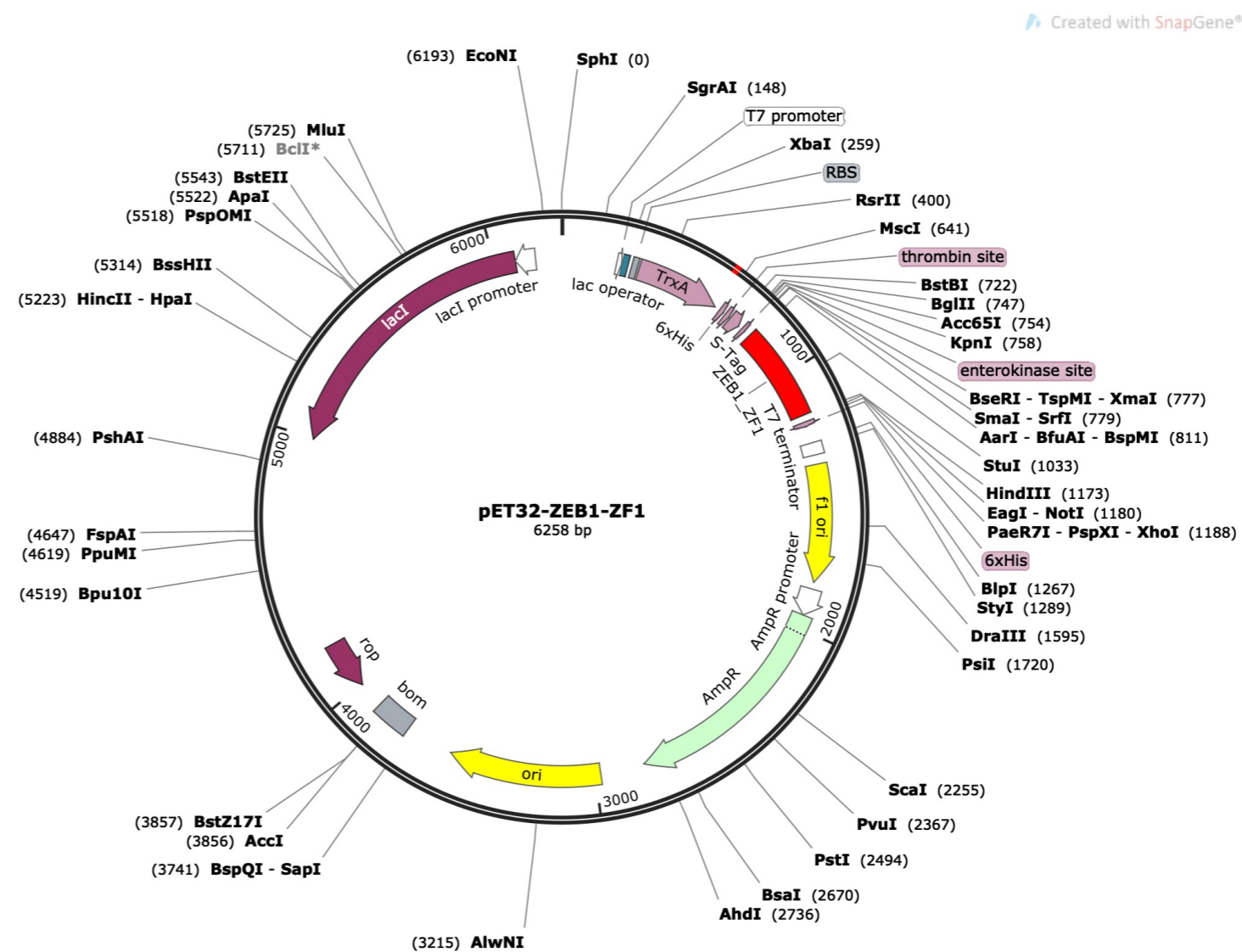
Inserts ZEB1 zinc finge domain 1 inserted between NcoI/Sall fused to a thioredoxyn/his-tag for bacterial expression.

Reporter gene

Promoter, splice, PolyA T7, lac

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2951

Date entered

3.2.20

Constructed by

Nastaran Ghahhari

Date constructed

PLASMID NAME

PLKO.1-sh1-MUC16

bacterial marker Amp

vertebrate marker Puromycin

parent vector

PLKO1

bacterial plasmid

other relevant source constructs

Inserts

Small hairpin RNA targeted to human MUC16. Inserted between EcoRI and AgeI.

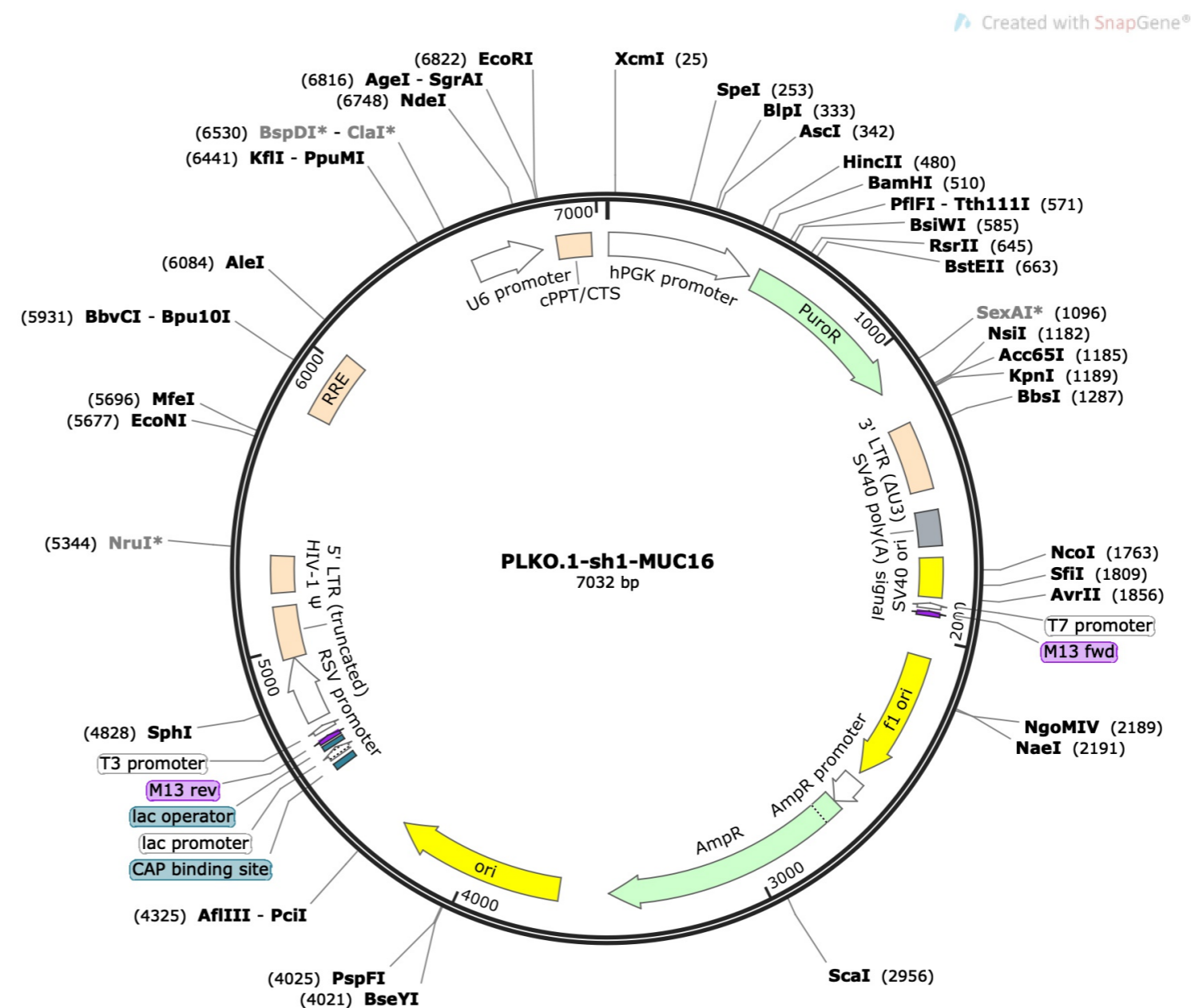
CCGGACCACCAGCTCTGGATATAAACTCGAGTTTATATCCAGAGCTG
GTGGTTTTTG

Reporter gene

Promoter, splice, PolyA
U6 promoter

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2952

Date entered

3.2.20

Constructed by

Nastaran Ghahhari

Date constructed

PLASMID NAME

PLKO.1-sh2-MUC16

bacterial marker

Amp

vertebrate marker

Puromycin

parent vector

PLKO1

bacterial plasmid

other relevant source constructs

Inserts

Small hairpin RNA targeted to human MUC16. Inserted between EcoRI and AgeI.

CCGGGCCAAGACTTTGGCTTCAGAACTCGAGTTCTGAAGCCAAAGTC
TTGGCTTTTTG

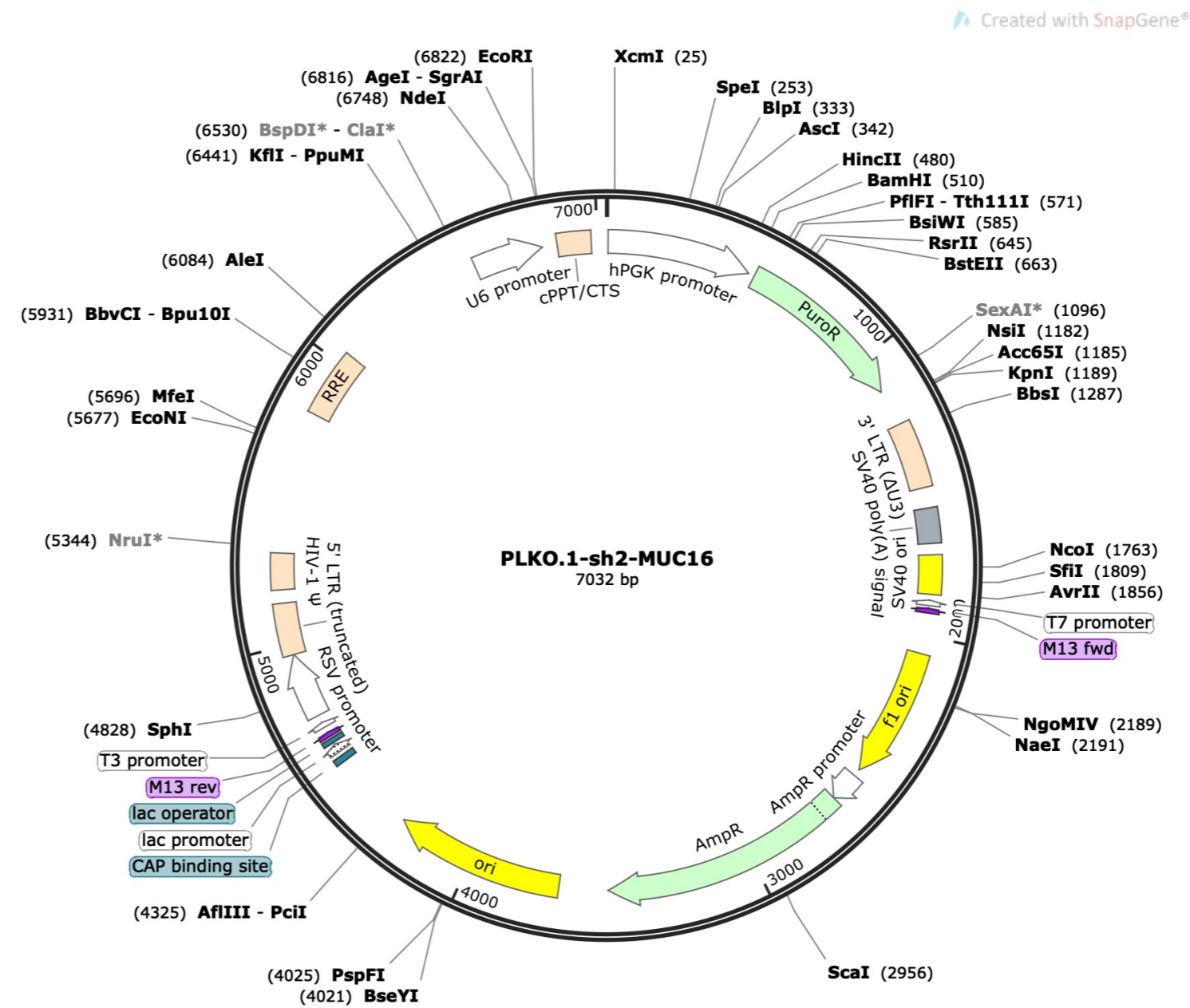
Reporter gene

Promoter,
splice,
PolyA

U6 promoter

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2953

Date entered

30.7.20

Constructed by

Dorus Gadella (Addgene)

Date constructed

2006

PLASMID NAME

pSYFP2-SCFP3A

bacterial marker Kan

parent vector

pEGFP-C1

bacterial plasmid

other relevant source constructs

Inserts

Fusion between the two genes coding for the fluorescent proteins SYFP2 and SCFP3A.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Addgene #22905

DIDIER PICARD LAB, University of Geneva

Construct number

2954

Date entered

30.7.20

Constructed by

Liqun Luo (Addgene)

Date constructed

2012

PLASMID NAME

pBT272

alternative name

pROSA26-GTET

bacterial marker

Amp

parent vector

pROSA26-PA

bacterial plasmid

other relevant source constructs

Inserts

This construct contains several repeat of the chicken beta globin HS4 insulator core.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Addgene #36882

DIDIER PICARD LAB, University of Geneva

Construct number

2955

Date entered

30.7.20

Constructed by

Michael Davidson (Addgene)

Date constructed

PLASMID NAME

mEmerald-N1

bacterial marker Kan

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Gene coding the green fluorescent protein mEmerald, to be fused with another gene in N-terminal.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Addgene #53976

DIDIER PICARD LAB, University of Geneva

Construct number

2956

Date entered

30.7.20

Constructed by

Kevin Brindle (Addgene)

Date constructed

2016

PLASMID NAME

pBOB-EF1-fastFUCCI-Puro

bacterial marker Amp

vertebrate marker Puromycin

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Proliferation reporter plasmid expressing mAG-hGEM and mKO2-hCMT1.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Addgene #86849

DIDIER PICARD LAB, University of Geneva

Construct number

2957

Date entered

30.7.20

Constructed by

Xiaokun Shu (Addgene)

Date constructed

2016

PLASMID NAME

zipGFP-Casp3

bacterial marker

Amp

parent vector

pcDNA3.1

bacterial plasmid

other relevant source constructs

Inserts

ZipGFP with caspase cleavage sequence T2A and expression of mCherry as control of expression.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Addgene #81241

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 30.7.20

Constructed by iGEM Geneva 2019

Date constructed August 2019

PLASMID NAME

Lenti-zipGFP-Casp3

bacterial marker Amp

vertebrate marker Puromycin

parent vector

2017: pHAGE-fEF1-IZsGreen

bacterial plasmid

other relevant source constructs

2957: zipGFP-Casp3

Inserts The construct of the plasmid zipGFP-Casp3 was inserted into the pHAGE lentiviral vector in place of the IRES and zsGreen.

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.8.20

Constructed by Lilia Bernasconi

Date constructed 07.2020

PLASMID NAME

3xNLS-RFP.ISceI.GR

bacterial marker Kan

vertebrate marker Neo (G418)

eukaryotic replicon SV40 ori

parent vector

ISceI-GR-RFP

bacterial plasmid

other relevant source constructs

Inserts Homing endonuclease I-SceI with N-terminal triple SV40 NLS and DsRed, and C-terminal hormone binding domain (HBD) of rat GR (with C656G point mutant)

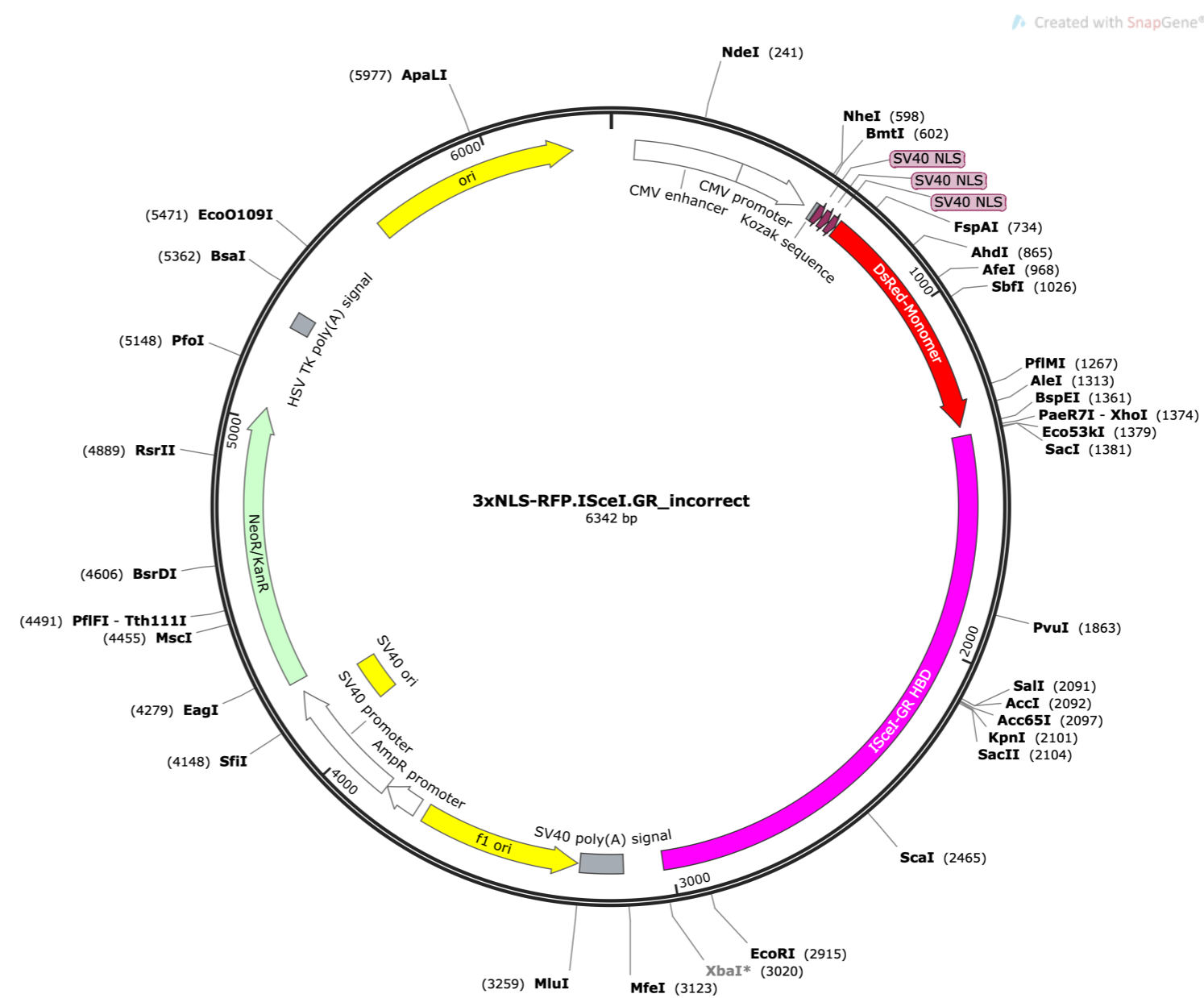
Reporter gene

Promoter, splice, PolyA CMV enhancer, promoter
SV40 polyA

Comments

- sequence available
- C656G has much higher affinity for Dex (Kucera et al., 2002, JBC)
- recognition site for I-SceI: TAGGGATAACAGGGTAAT

Reference



Construct number

Date entered 28.8.20

Constructed by

Date constructed

PLASMID NAME

TRPV1

<u>bacterial marker</u> Kan	<u>parent vector</u> pCMV6-Entry
<u>vertebrate marker</u> Neo (G418)	<u>bacterial plasmid</u>
<u>eukaryotic replicon</u> SV40 ori	<u>other relevant source constructs</u>

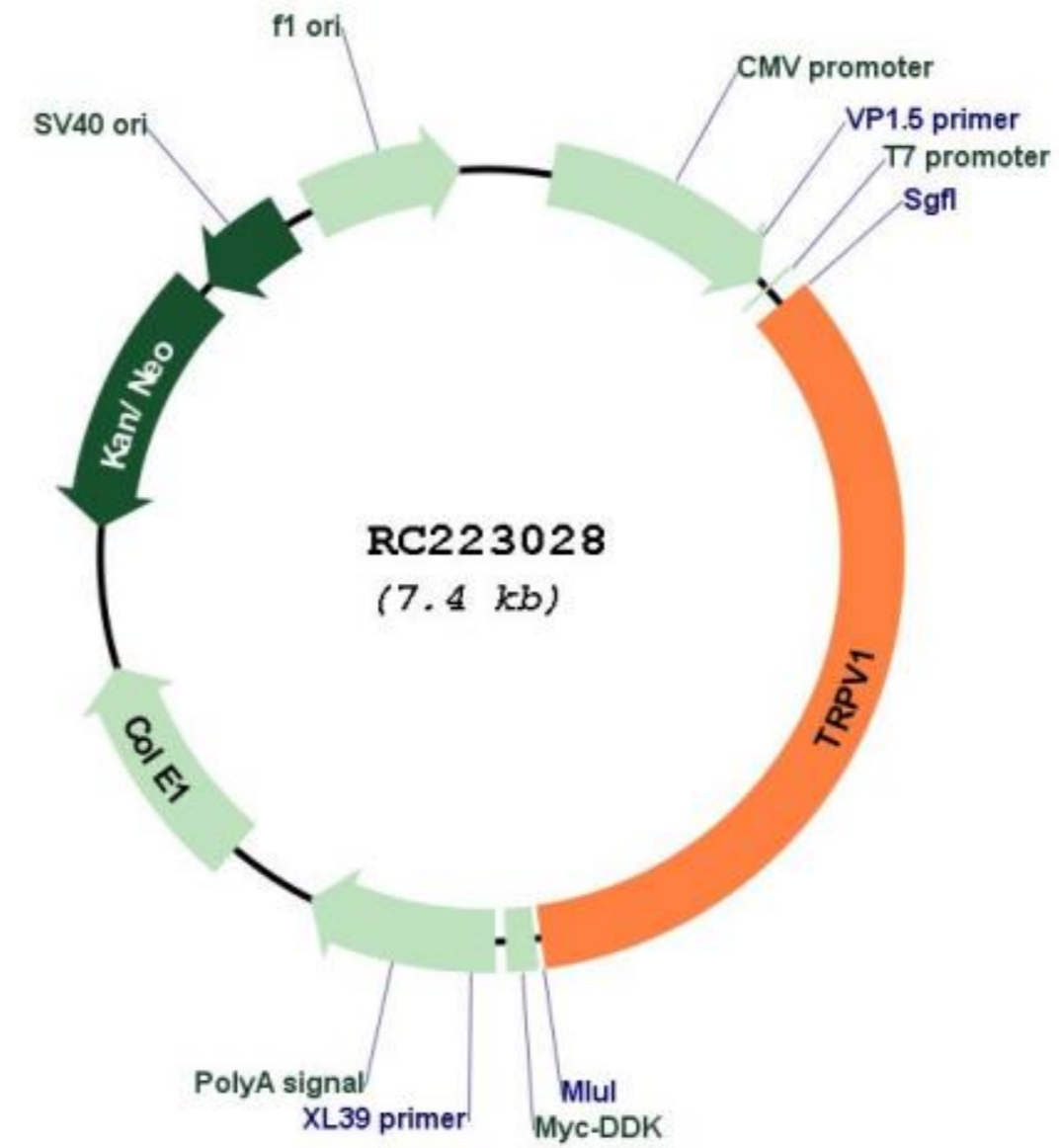
Inserts Human TRPV1 ORF with C-terminal myc tag

Reporter gene

Promoter, CMV enhancer/promoter
splice, T7
PolyA PolyA

Comments - obtained from Origene (ref. RC223028)

Reference



DIDIER PICARD LAB, University of Geneva

Construct number
Constructed by Diana Wider

Date entered 28.8.20
Date constructed 08.2020

PLASMID NAME

yΔc-Zip1H-L645-646S

bacterial marker Amp	parent vector yΔc-Zip1H
yeast marker LEU2	bacterial plasmid BS
eucaryotic replicon 2μ circle	other relevant source constructs

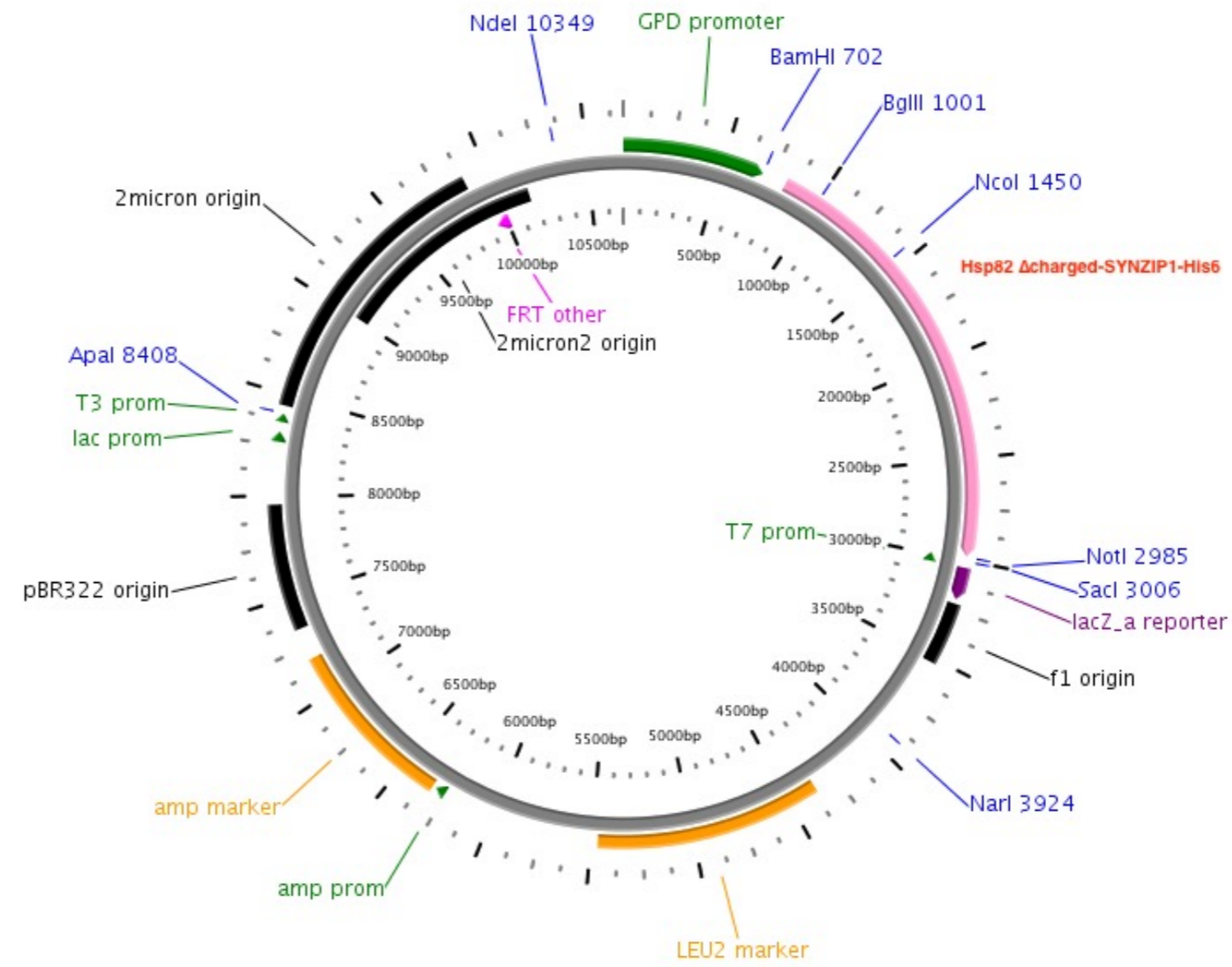
Inserts Full-length yeast Hsp82 without charged domain (Δ AA 211-259) with double point mutation L645S-L646S, with C-terminal coiled-coil sequence SYNZIP1 and His6 tag

Reporter gene

Promoter, splice, PolyA GPD promoter

Comments - sequence available
 - identical to yΔc-Zip1H except for point mutations

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 28.8.20

Constructed by Diana Wider

Date constructed 08.2020

PLASMID NAME

yΔc-Zip1H-I668-672A/L676A

bacterial marker Amp	parent vector yΔc-Zip1H
yeast marker LEU2	bacterial plasmid BS
eucaryotic replicon 2μ circle	other relevant source constructs

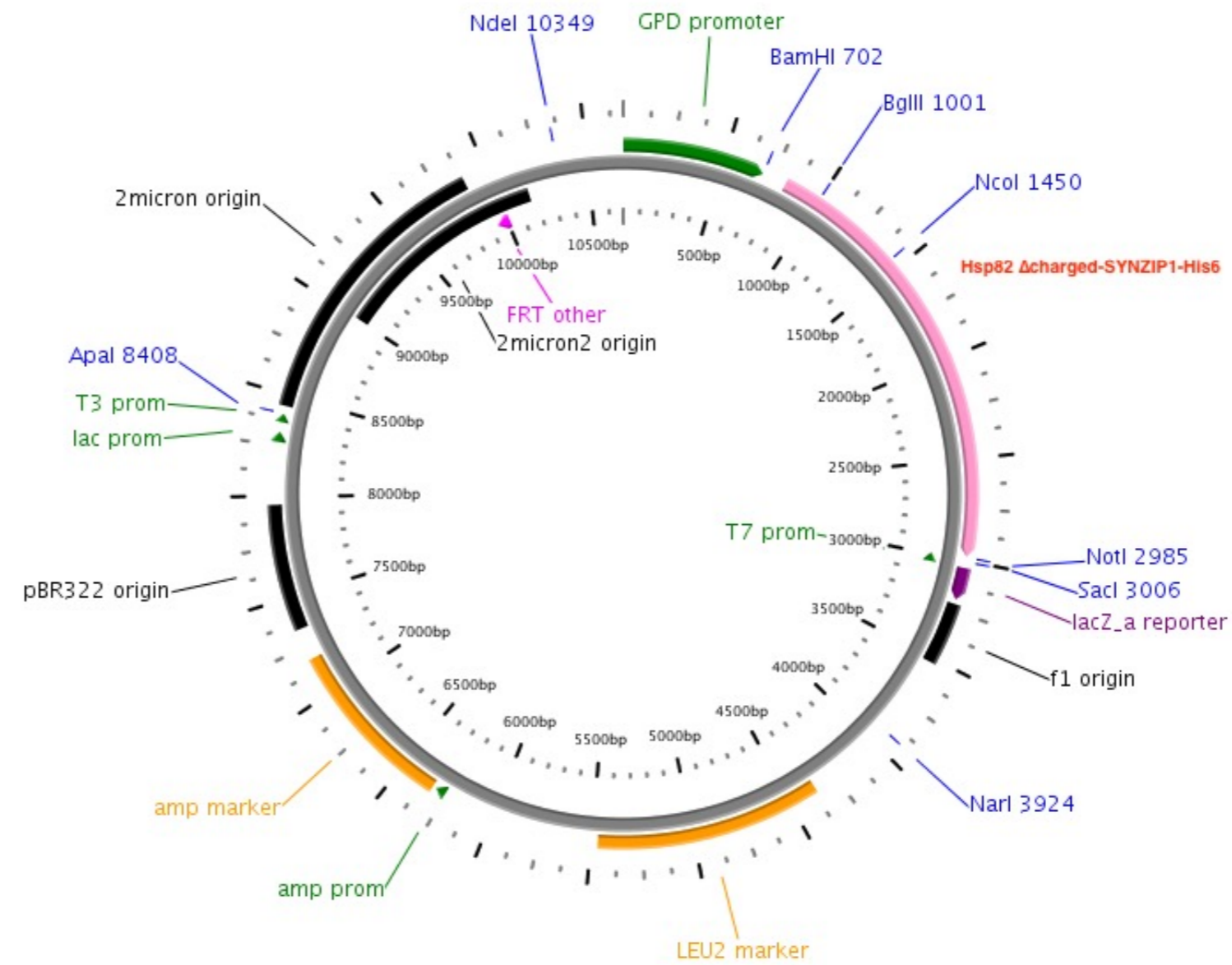
Inserts Full-length yeast Hsp82 without charged domain (Δ AA 211-259) with double point mutation I668A-I672A/L676A, with C-terminal coiled-coil sequence SYNZIP1 and His6 tag

Reporter gene

Promoter, splice, PolyA GPD promoter

Comments - sequence available
- identical to yΔc-Zip1H except for point mutations

Reference



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Diana Wider

Date entered 28.8.20
 Date constructed 08.2020

PLASMID NAME

yΔc-Zip2S-L645-646S

bacterial marker Amp	parent vector p2U/yΔc-SpyC
yeast marker URA3	bacterial plasmid BS
eucaryotic replicon 2μ circle	other relevant source constructs

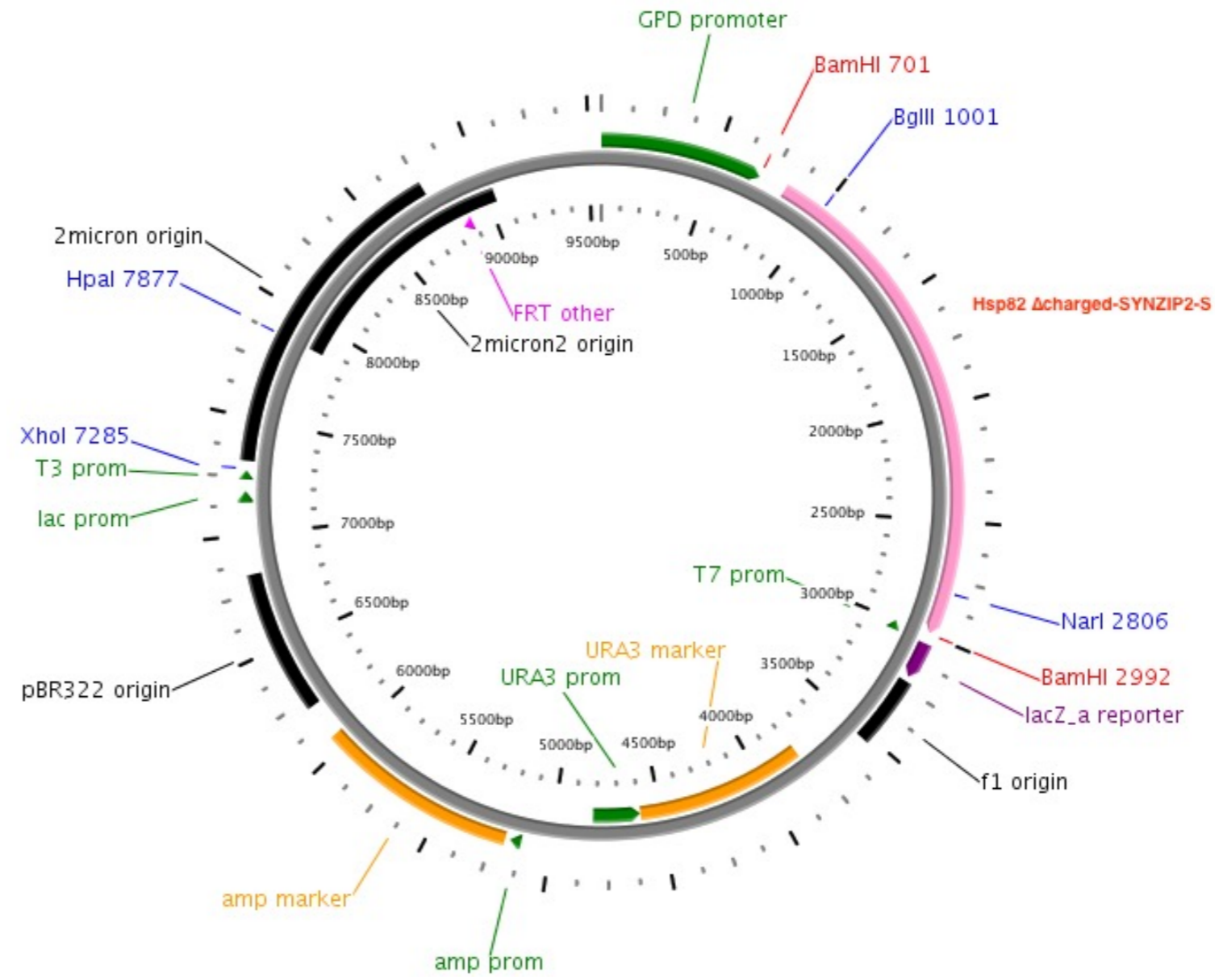
Inserts Full-length yeast Hsp82 without charged domain (Δ AA 211-259) with double point mutation L645S-L646S, with C-terminal coiled-coil sequence SYNZIP2 and streptag (S)

Reporter gene

Promoter, splice, PolyA GPD promoter

Comments - sequence available
 - identical to yΔc-Zip2S except for point mutations

Reference



DIDIER PICARD LAB, University of Geneva

Construct number
 Constructed by Diana Wider

Date entered 28.8.20
 Date constructed 08.2020

PLASMID NAME

yΔc-Zip2S-I668-672A/L676A

bacterial marker Amp	parent vector p2U/yΔc-SpyC
yeast marker URA3	bacterial plasmid BS
eucaryotic replicon 2μ circle	other relevant source constructs

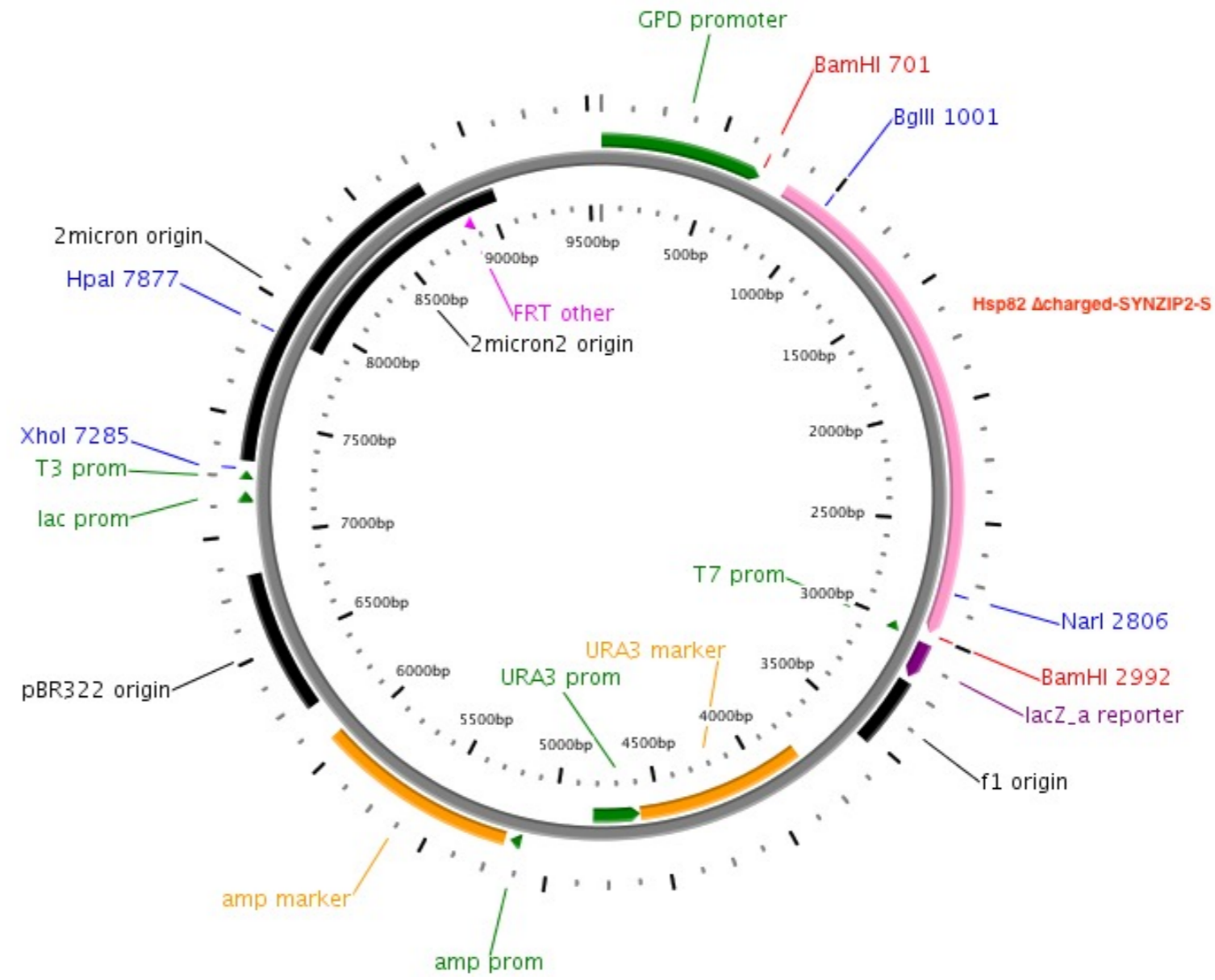
Inserts Full-length yeast Hsp82 without charged domain (Δ AA 211-259) with double point mutation I668A-I672A/L676A, with C-terminal coiled-coil sequence SYNZIP2 and streptag (S)

Reporter gene

Promoter, splice, PolyA GPD promoter

Comments - sequence available
 - identical to yΔc-Zip2S except for point mutations

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2965

Date entered

8.9.20

Constructed by

Nastaran Ghahhari

Date constructed

PLASMID NAME

PLKO.1-sh1SCG2

Created with SnapGene®

bacterial marker

Amp

parent vector

PLKO1

vertebrate marker

Puromycin

bacterial plasmid

other relevant source constructs

Inserts

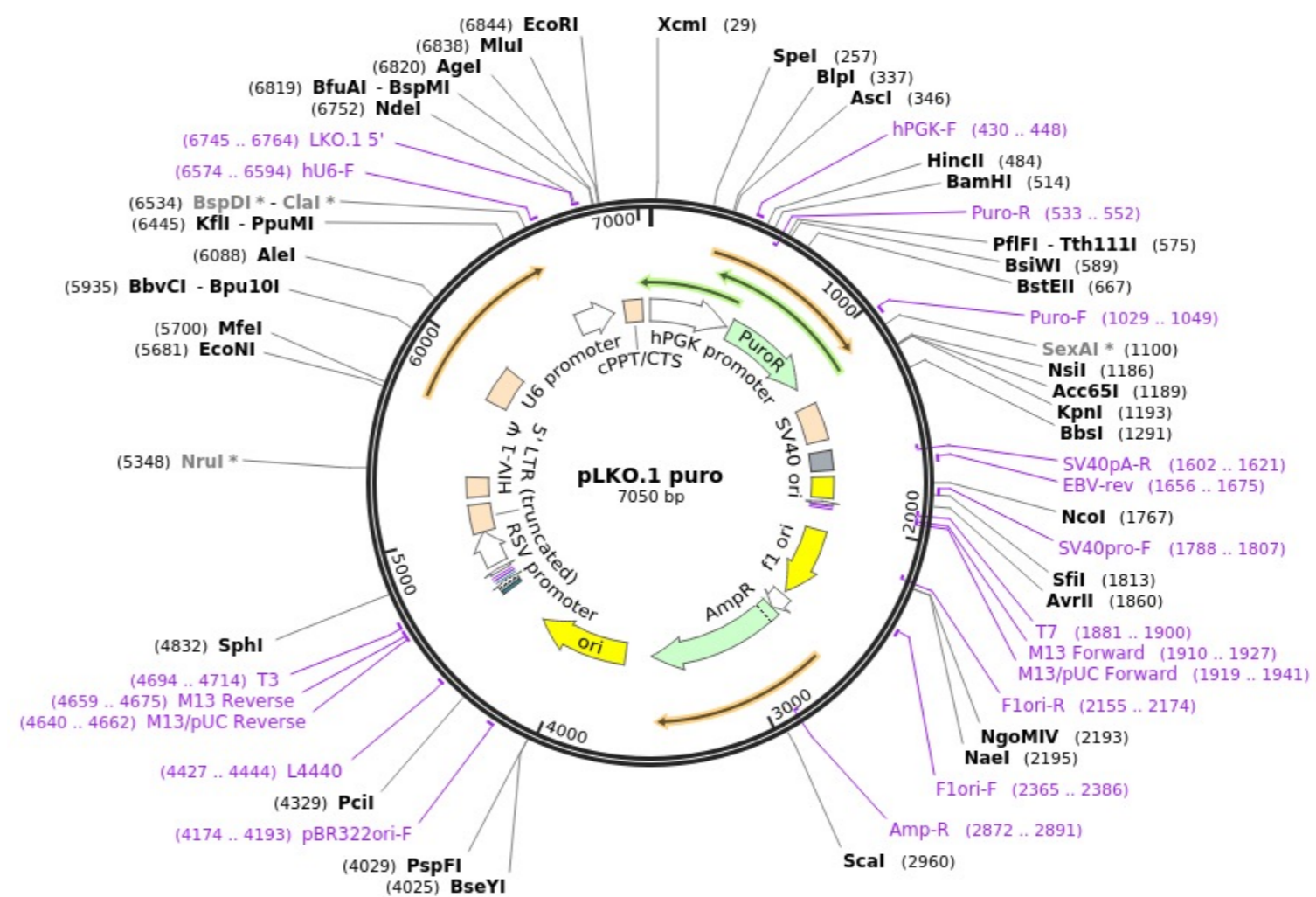
Small hairpin RNA targeted to human SCG2. Inserted between EcoRI and AgeI.

CCGGGTTATCTTGTGTATGGATATGCTCGAGCATATCCATACACAAGATAAC
TTTTTG

Reporter gene

Promoter,
splice,
PolyA

U6 promoter



Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.9.20

Constructed by Nastaran Ghahhari

Date constructed

PLASMID NAME

PLKO.1-sh2SCG2

Created with SnapGene®

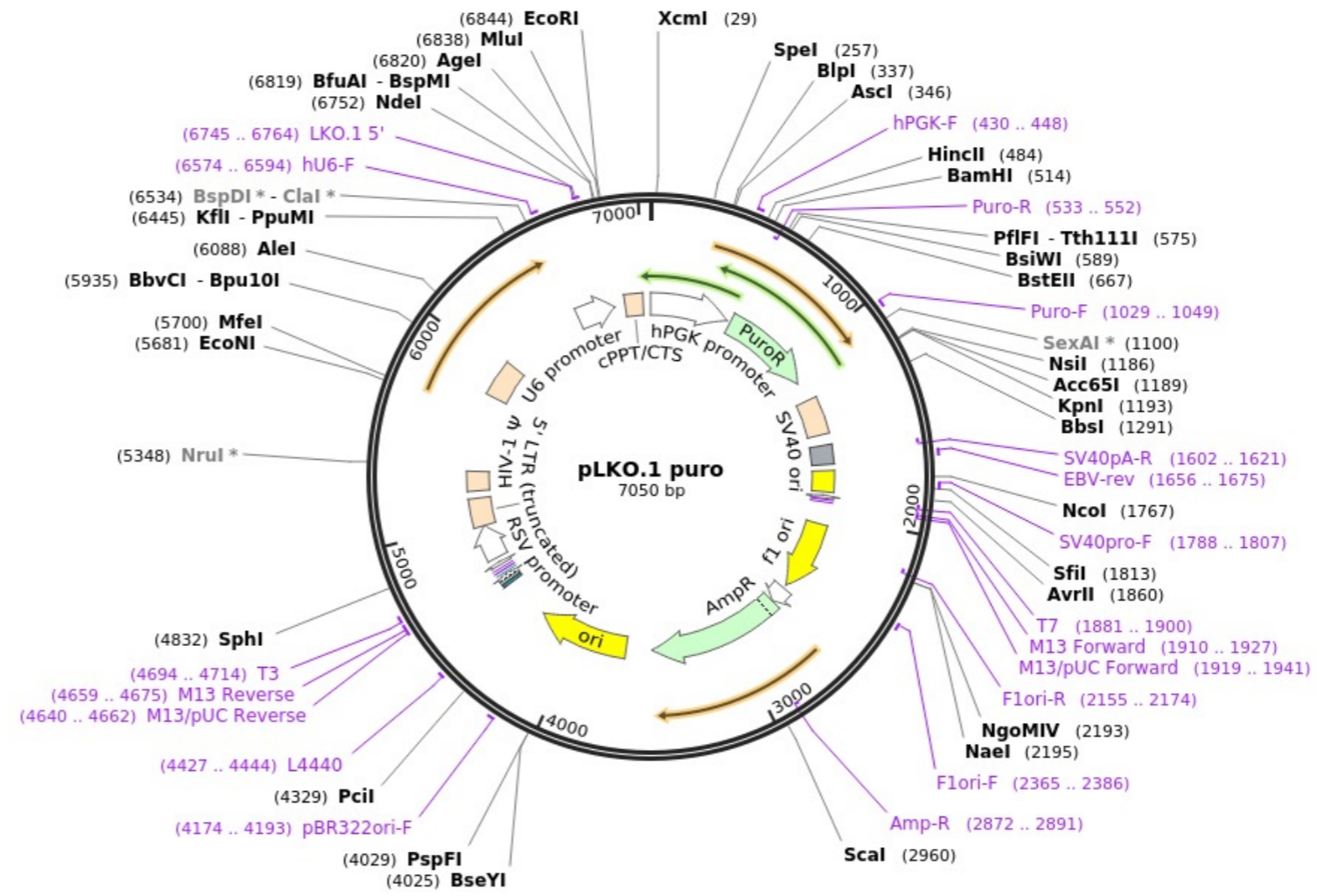
<u>bacterial marker</u> Amp	<u>parent vector</u> PLKO1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>other relevant source constructs</u>	

Inserts Small hairpin RNA targeted to human SCG2. Inserted between EcoRI and AgeI.

Sequence:
CCGGCCTCCTATGTATGAAGAGAATCTCGAGATTCTCTTCATACATAGGAGGTTTTTG

Reporter gene

Promoter, splice, PolyA U6 promoter



Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.9.20

Constructed by Nastaran Ghahhari

Date constructed

PLASMID NAME

PLKO.1-sh1CASZ1

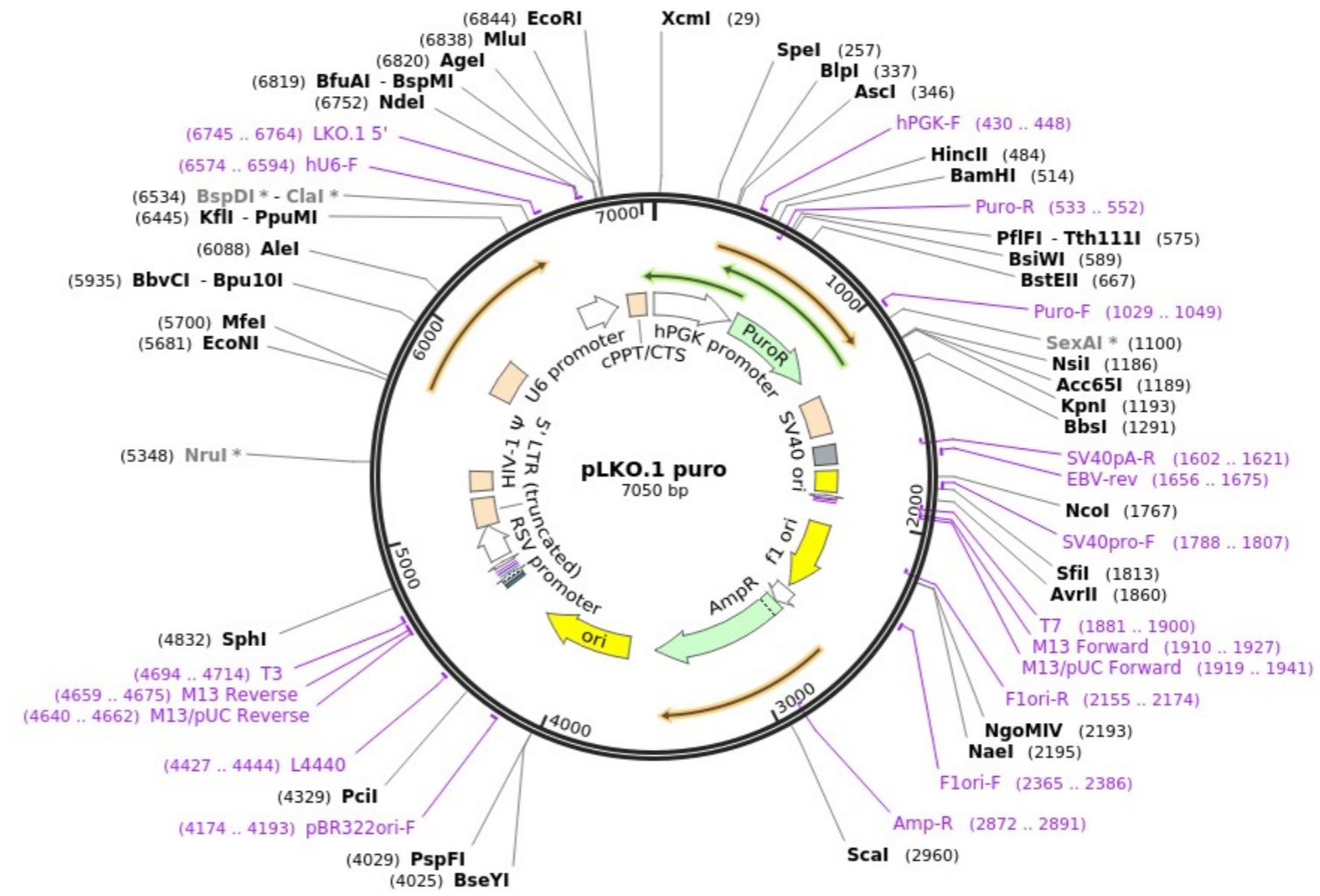
Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> PLKO1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>other relevant source constructs</u>	

Inserts Small hairpin RNA targeted to human CASZ1. Inserted between EcoRI and AgeI.
CCGGGAACGGGAGCACCTACAAGAACTCGAGTTCTTGTAGGTGCTCCCGTTCTTTTTG

Reporter gene

Promoter, splice, PolyA U6 promoter



Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

2968

Date entered

8.9.20

Constructed by

Nastaran Ghahhari

Date constructed

PLASMID NAME

PLKO.1-sh2CASZ1

Created with SnapGene®

bacterial marker Amp

parent vector

PLKO1

vertebrate marker Puromycin

bacterial plasmid

other relevant source constructs

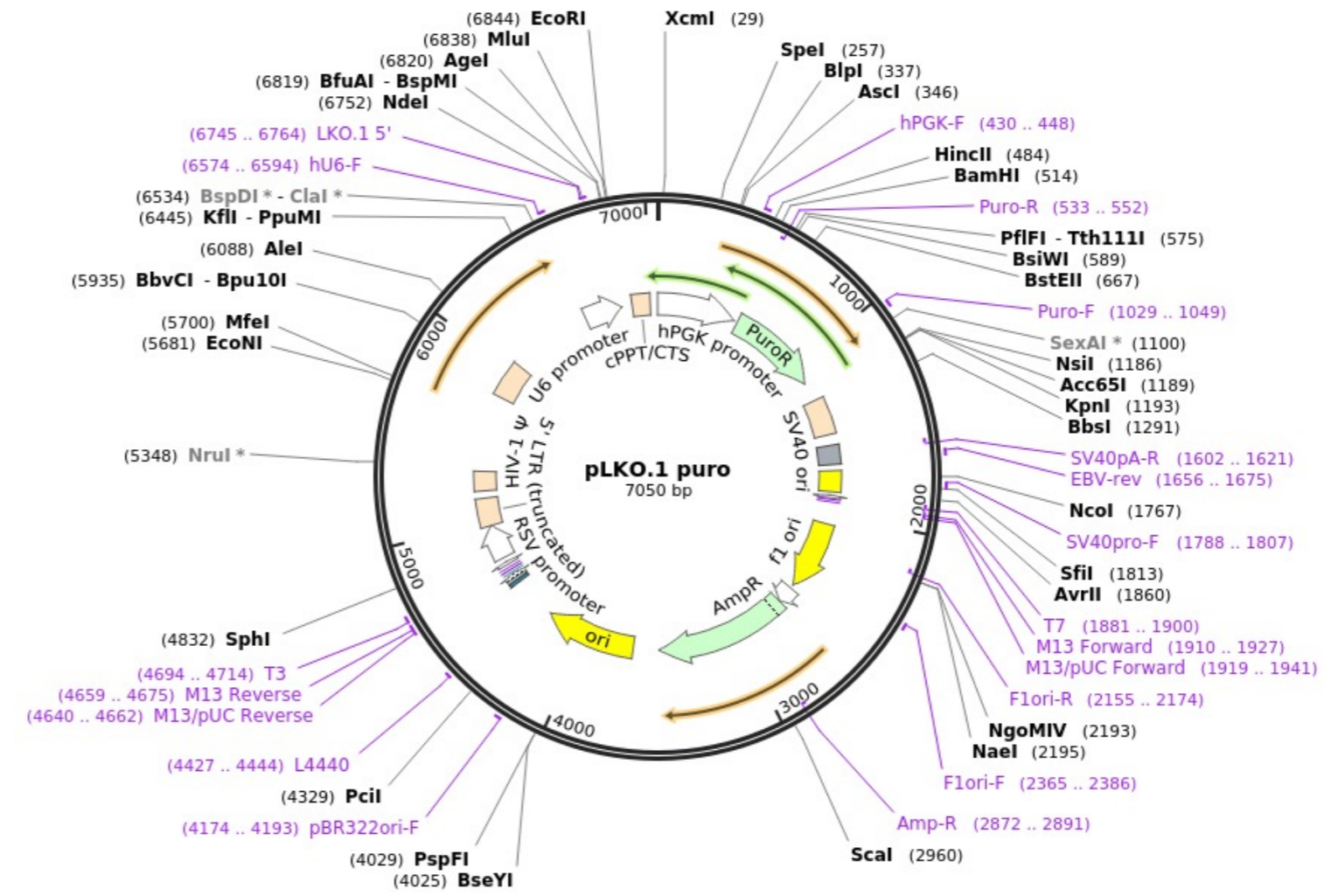
Inserts

Small hairpin RNA targeted to human CASZ1. Inserted between EcoRI and AgeI.

CCGGCGAGTACCTGAAGTCAACCTTCTCGAGAAGGTTGACTTCAGGTACTC
GTTTTTG

Reporter gene

Promoter, splice, PolyA
U6 promoter



Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.9.20

Constructed by Nastaran Ghahhari

Date constructed

PLASMID NAME

PLKO.1-shMUC2

Created with SnapGene®

bacterial marker Amp

parent vector

PLKO1

vertebrate marker Puromycin

bacterial plasmid

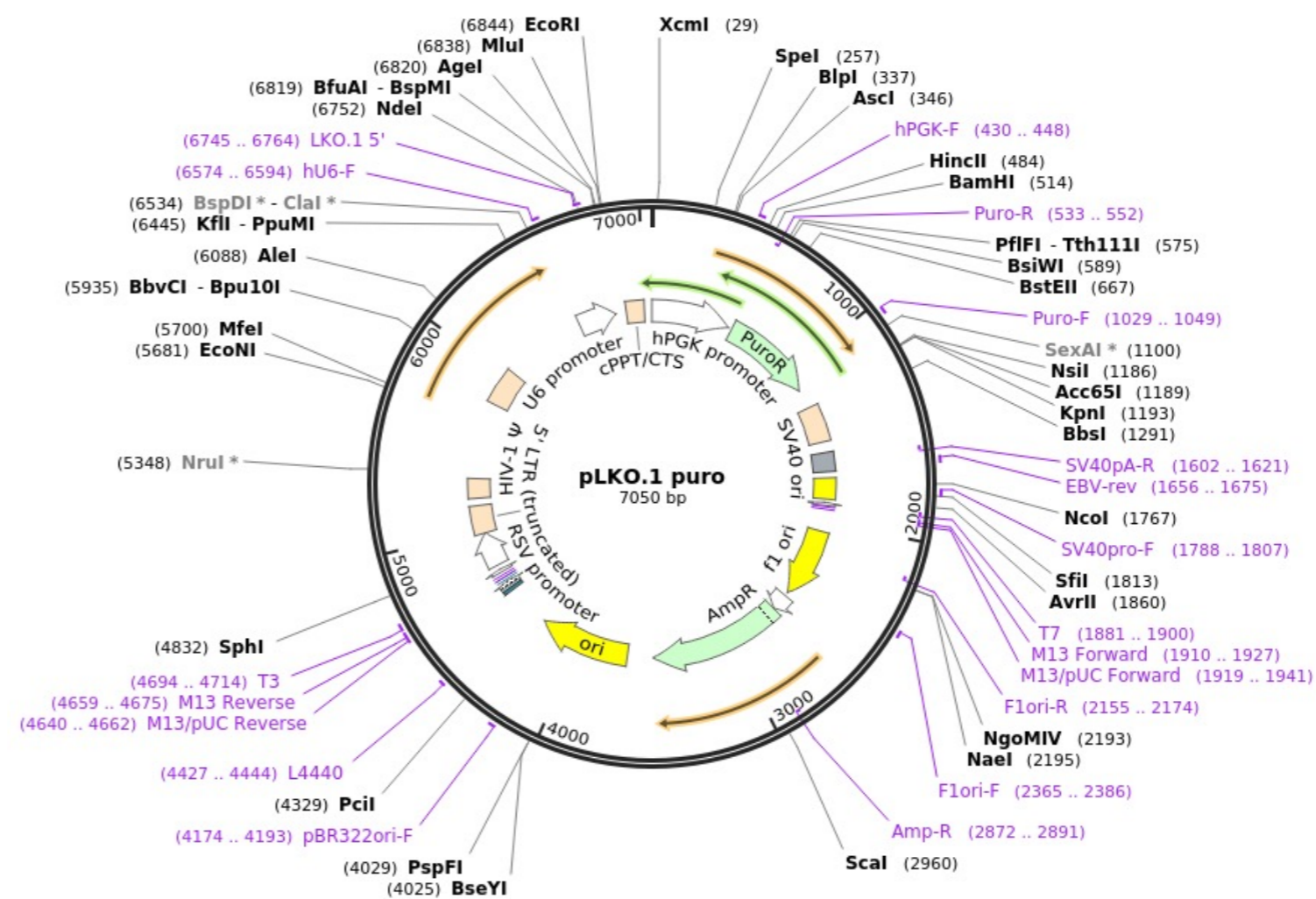
other relevant source constructs

Inserts Small hairpin RNA targeted to human MUC2. Inserted between EcoRI and Agel.

CCGGCGACTACAAGATACGTGTCAA**CTCGAG**TTGACACGTATCTTGTAGTC
GTTTTG

Reporter gene

Promoter, splice, PolyA U6 promoter



Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.9.20

Constructed by Nastaran Ghahhari

Date constructed

PLASMID NAME

PLKO.1-sh1DSCAM

Created with SnapGene®

bacterial marker Amp

parent vector

PLKO1

vertebrate marker Puromycin

bacterial plasmid

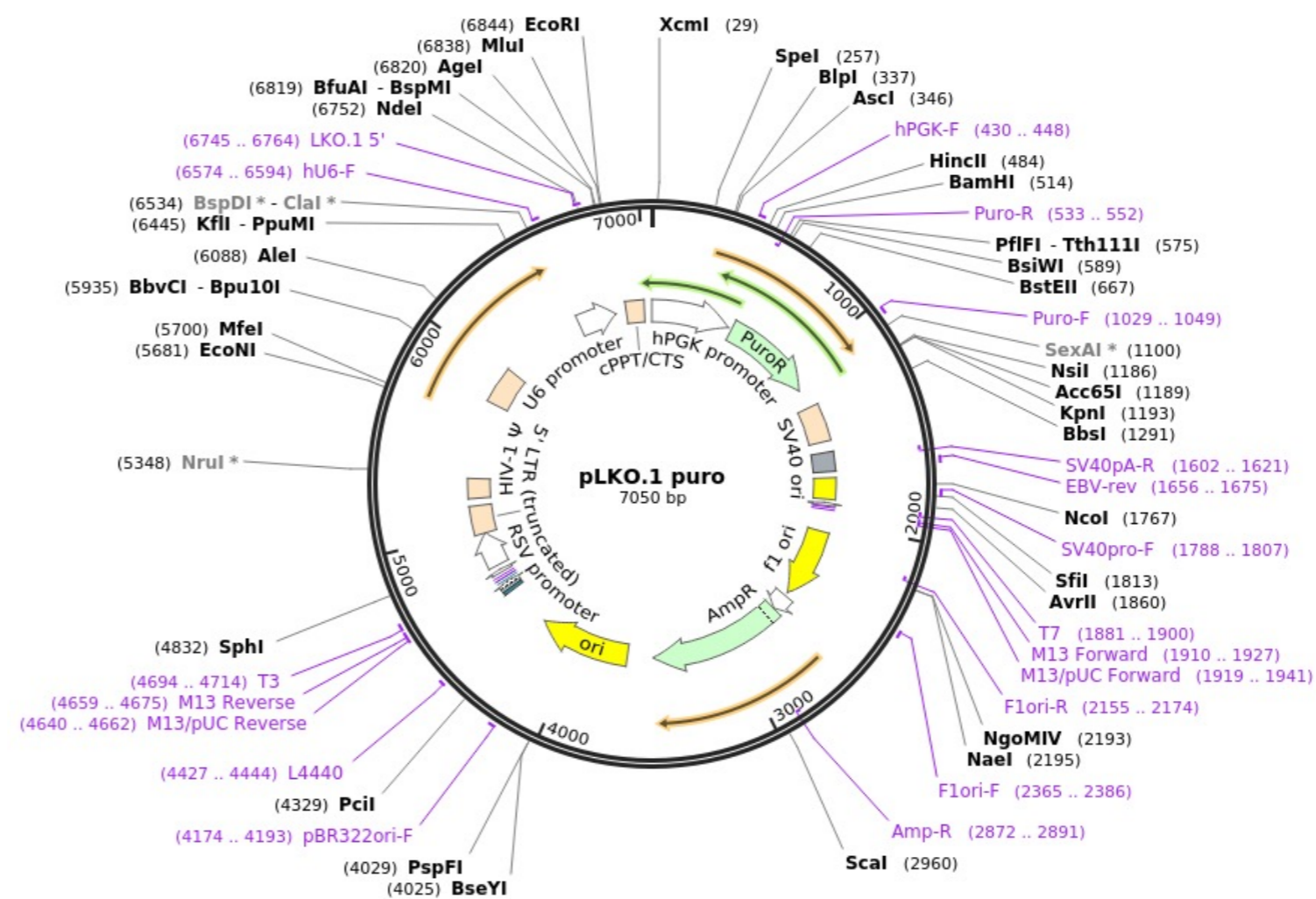
other relevant source constructs

Inserts Small hairpin RNA targeted to human DSCAM. Inserted between EcoRI and AgeI.

**CCGGAAAGAGTTTAGCTGAAATGCTCTCGAGAGCATTTCAGCTAAACTCTTT
TTTTG**

Reporter gene

Promoter, splice, PolyA U6 promoter



Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

2971

Date entered

8.9.20

Constructed by

Nastaran Ghahhari

Date constructed

PLASMID NAME

PLKO.1-sh2DSCAM

Created with SnapGene®

bacterial marker Amp

parent vector

PLKO1

vertebrate marker Puromycin

bacterial plasmid

other relevant source constructs

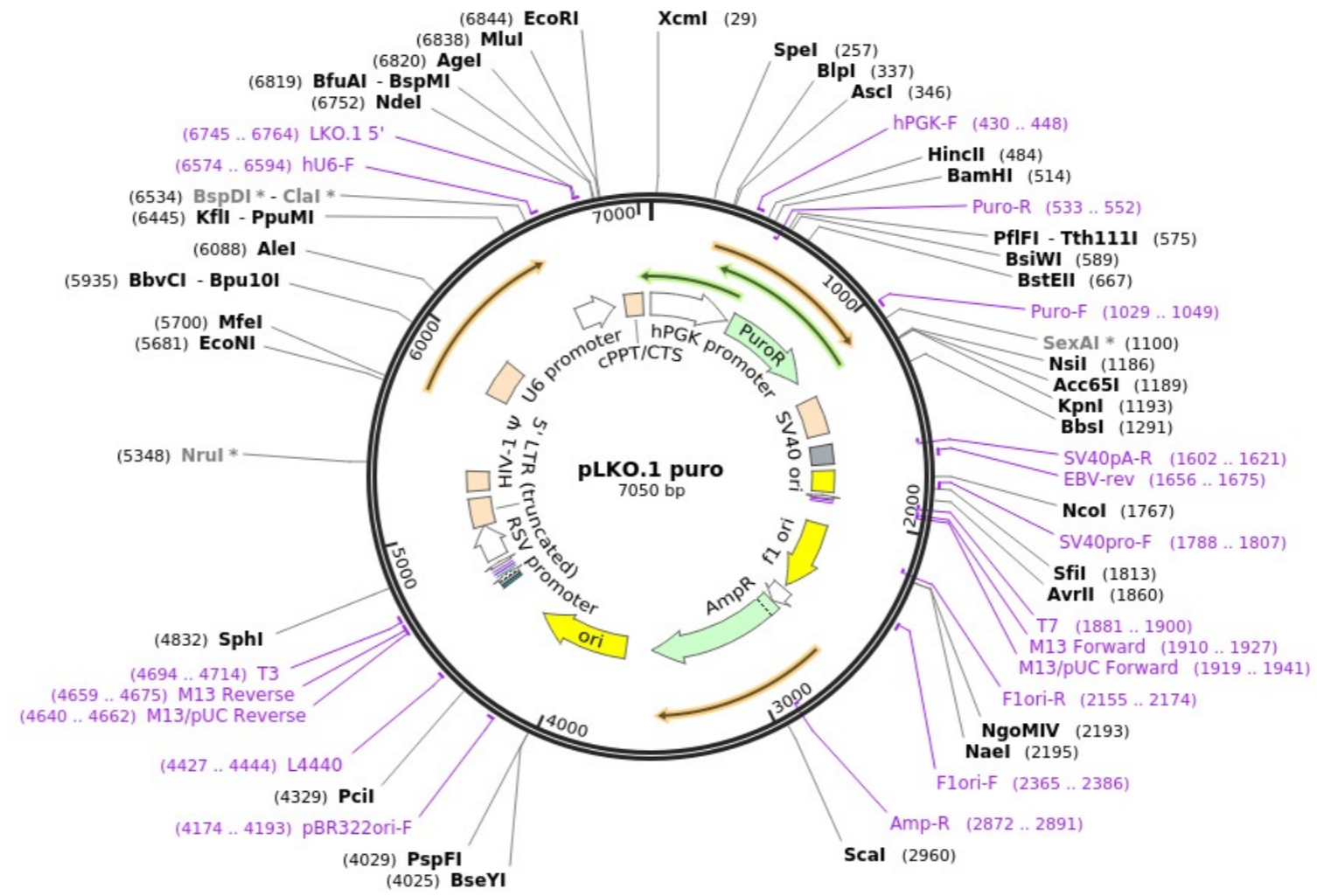
Inserts

Small hairpin RNA targeted to human DSCAM. Inserted between EcoRI and AgeI.

CCGGCCTCCCGAAATTGAGATCAAAC**CTCGAG**TTTGATCTCAATTCGGGAG
GTTTTG

Reporter gene

Promoter, splice, PolyA
U6 promoter



Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

2972

Date entered

8.9.20

Constructed by

Nastaran Ghahhari

Date constructed

PLASMID NAME

PLKO.1-shP2RX7

Created with SnapGene®

bacterial marker

Amp

parent vector

PLKO1

vertebrate marker

Puromycin

bacterial plasmid

other relevant source constructs

Inserts

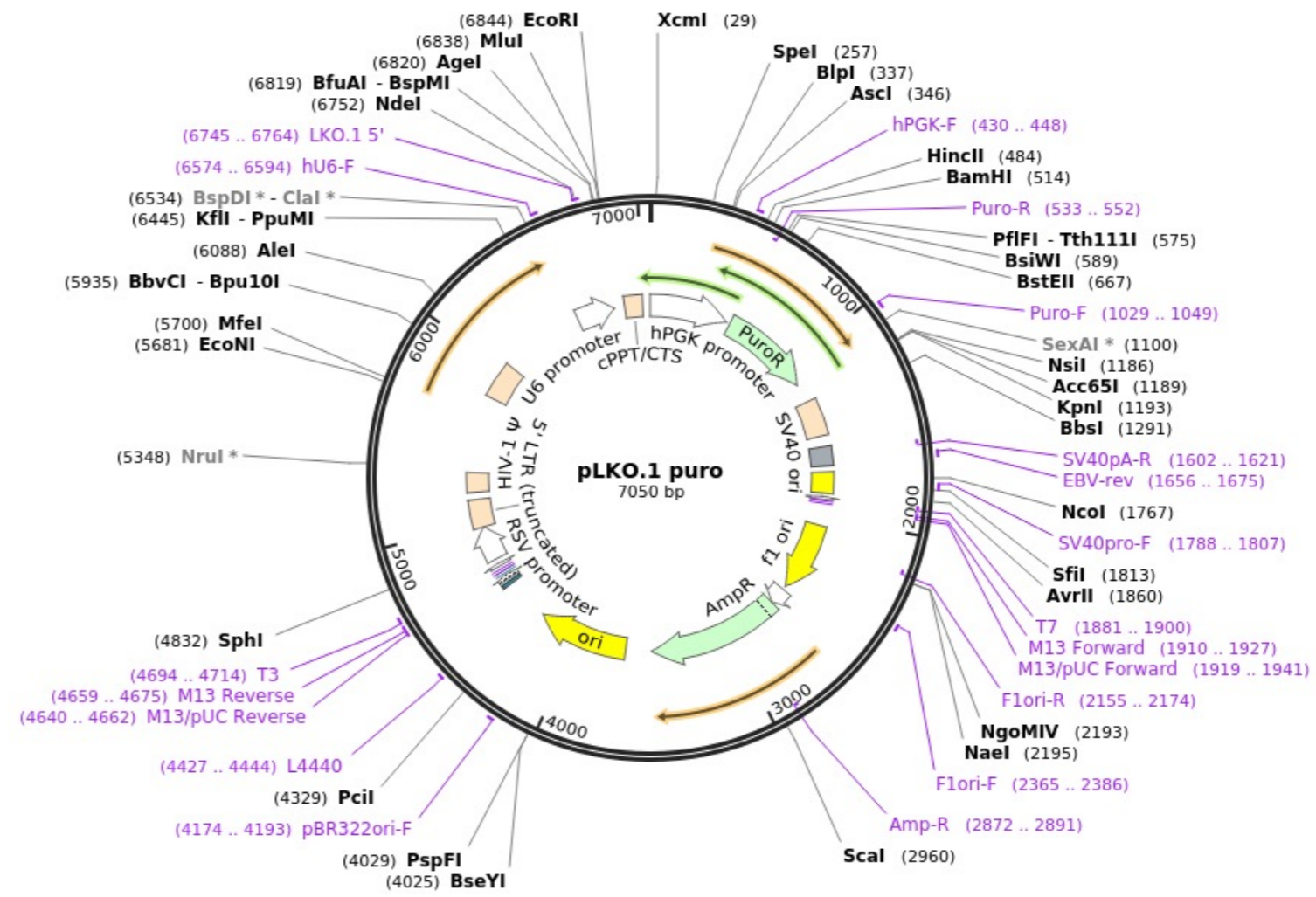
Small hairpin RNA targeted to human HSPB8. Inserted between EcoRI and AgeI.

CCGGGCCACAACACTACACCACGAGAACTCGAGTTCTCGTGGTGTAGTTGTGG
CTTTTG

Reporter gene

Promoter,
splice,
PolyA

U6 promoter



Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.9.20

Constructed by Nastaran Ghahhari

Date constructed

PLASMID NAME

PLKO.1-shHSPB8

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> PLKO1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>

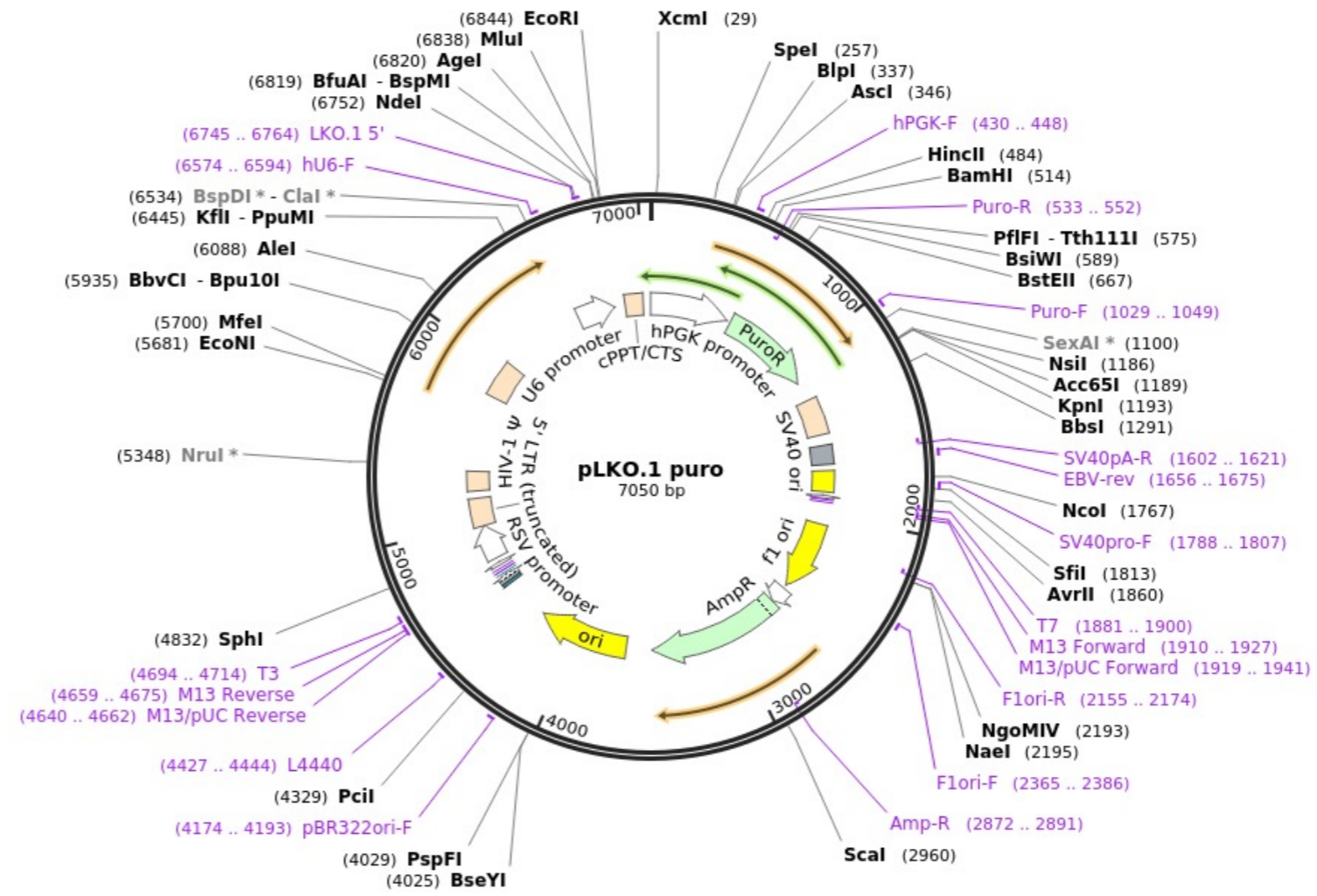
Inserts Small hairpin RNA targeted to human HSPB8. Inserted between EcoRI and AgeI.
CCGGCCGCATGTTTGGTTAATGAACTCGAGTTCATTAACCAAACCATGCGGTTTTTG

Reporter gene

Promoter, splice, PolyA U6 promoter

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.9.20

Constructed by Nastaran Ghahhari

Date constructed

PLASMID NAME

PLKO.1-sh1ESR2

Created with SnapGene®

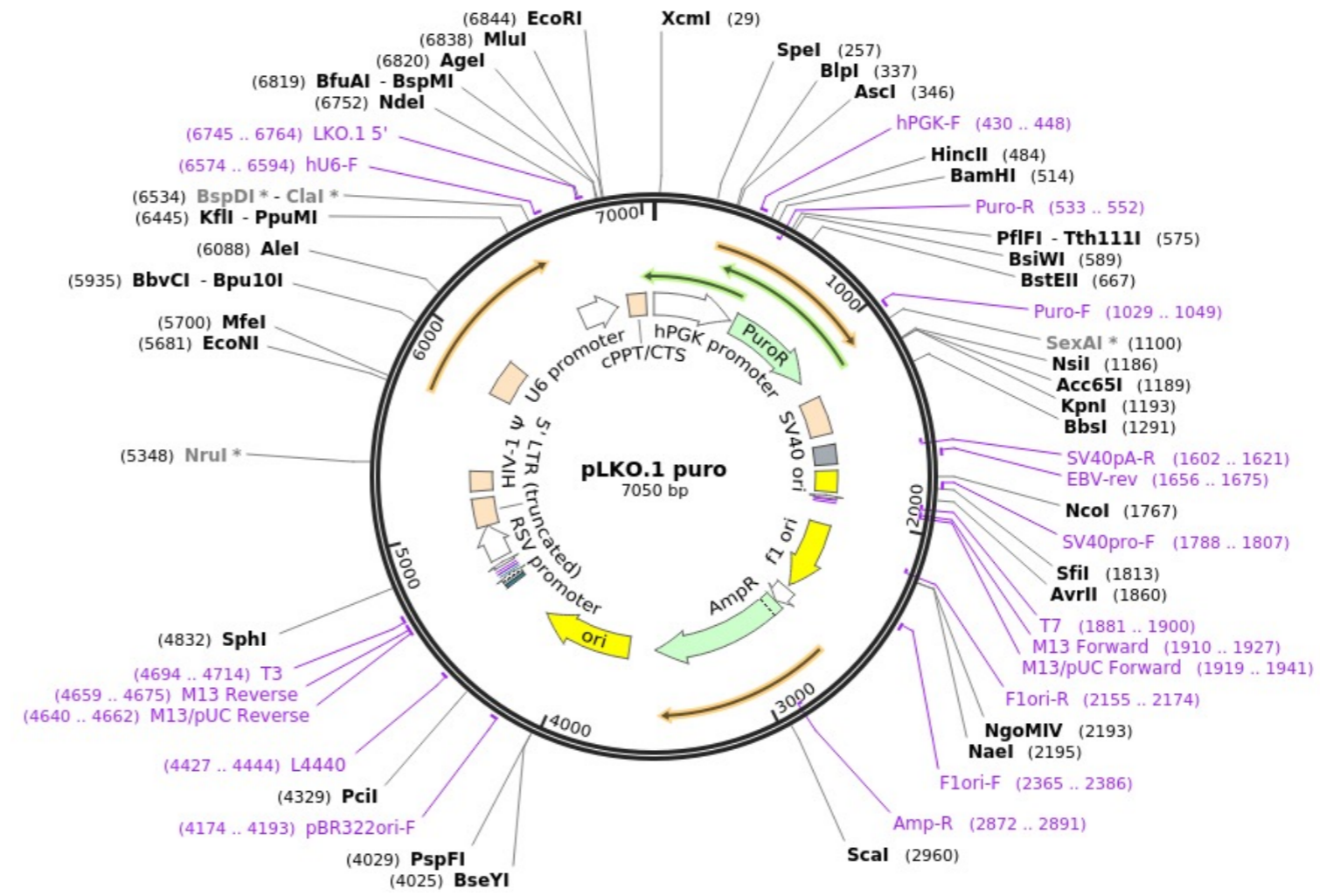
<u>bacterial marker</u> Amp	<u>parent vector</u> PLKO1
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>other relevant source constructs</u>	

Inserts Small hairpin RNA targeted to human ESR2. Inserted between EcoRI and Agel.

CCGGCGCCAGTTATCACATCTGTATCTCGAGATACAGATGTGATAACTGGC
GTTTTTG

Reporter gene

Promoter, U6 promoter
splice,
PolyA



Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

2975

Date entered

8.9.20

Constructed by

Nastaran Ghahhari

Date constructed

PLASMID NAME

PLKO.1-sh2ESR2

Created with SnapGene®

bacterial marker Amp

parent vector

PLKO1

vertebrate marker Puromycin

bacterial plasmid

other relevant source constructs

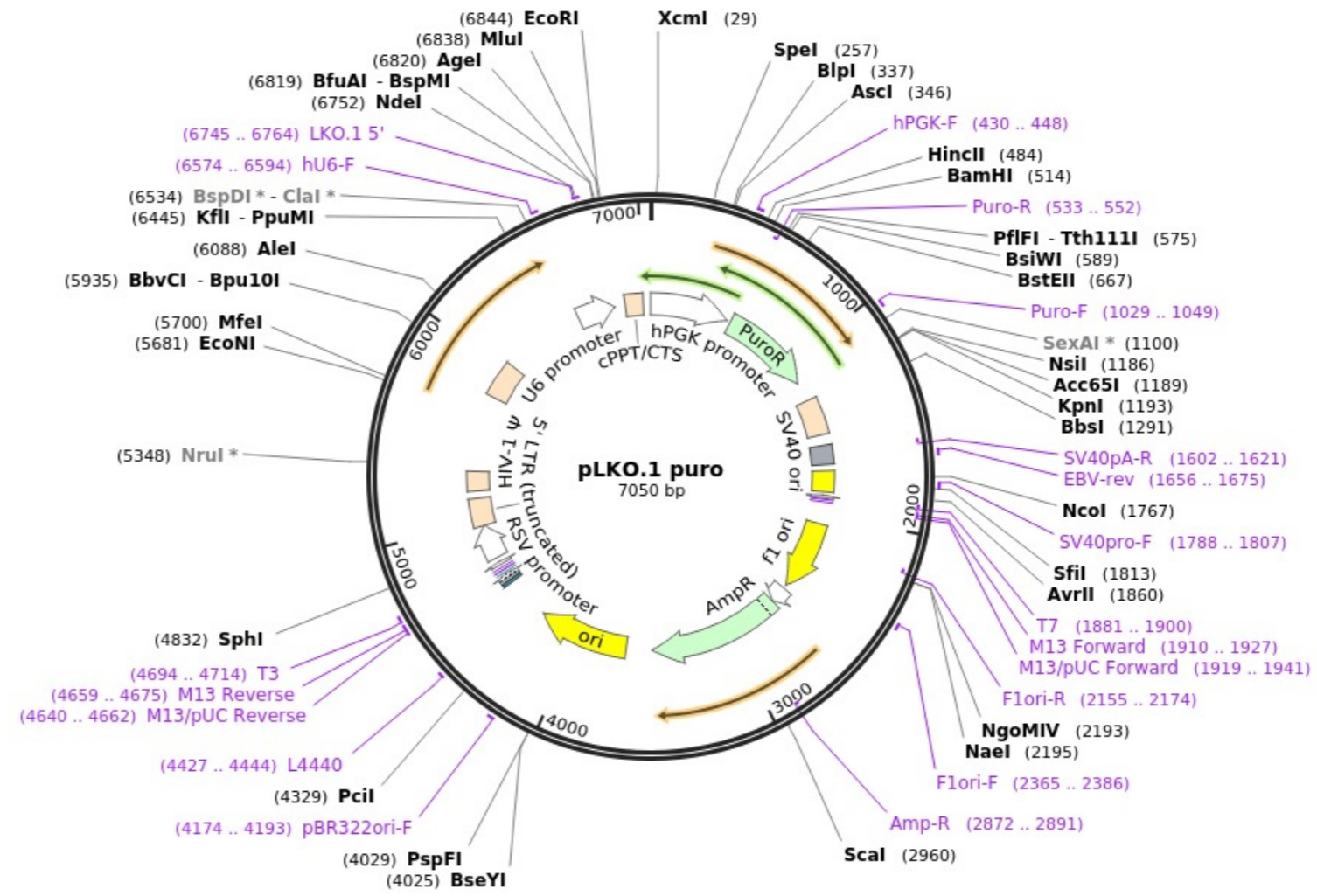
Inserts

Small hairpin RNA targeted to human ESR2. Inserted between EcoRI and Agel.

CCGGAGCCATGATCCTGCTCAATTCTCGAGAATTGAGCAGGATCATGGCC
TTTTTG

Reporter gene

Promoter, splice, PolyA
U6 promoter



Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

2976

Date entered

8.9.20

Constructed by

Nastaran Ghahhari

Date constructed

PLASMID NAME

PLKO.1-sh1MMP10

bacterial marker Amp

vertebrate marker Puromycin

parent vector PLKO1

bacterial plasmid

other relevant source constructs

Inserts

Small hairpin RNA targeted to human MMP10. Inserted between EcoRI and AgeI.

CCGGATGATCTCTTTTGCAGTTAACTCGAGTTTAACTGCAAAAGAGATCAT
TTTTTG

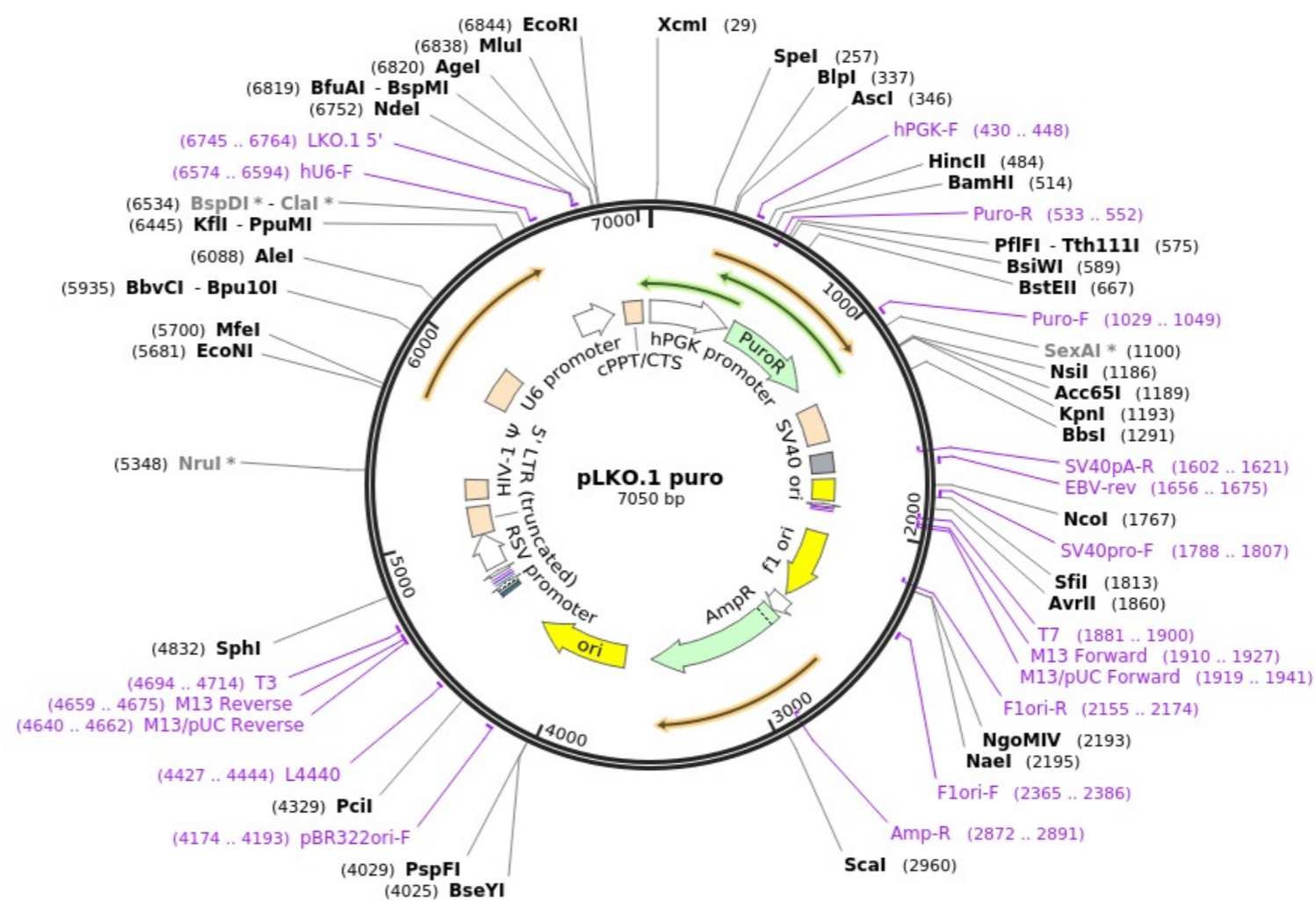
Reporter gene

Promoter, splice, PolyA U6 promoter

Comments

Reference

Created with SnapGene®



DIDIER PICARD LAB, University of Geneva

Construct number

2977

Date entered

8.9.20

Constructed by

Nastaran Ghahhari

Date constructed

PLASMID NAME

PLKO.1-sh2MMP10

Created with SnapGene®

bacterial marker Amp

vertebrate marker Puromycin

parent vector

PLKO1

bacterial plasmid

other relevant source constructs

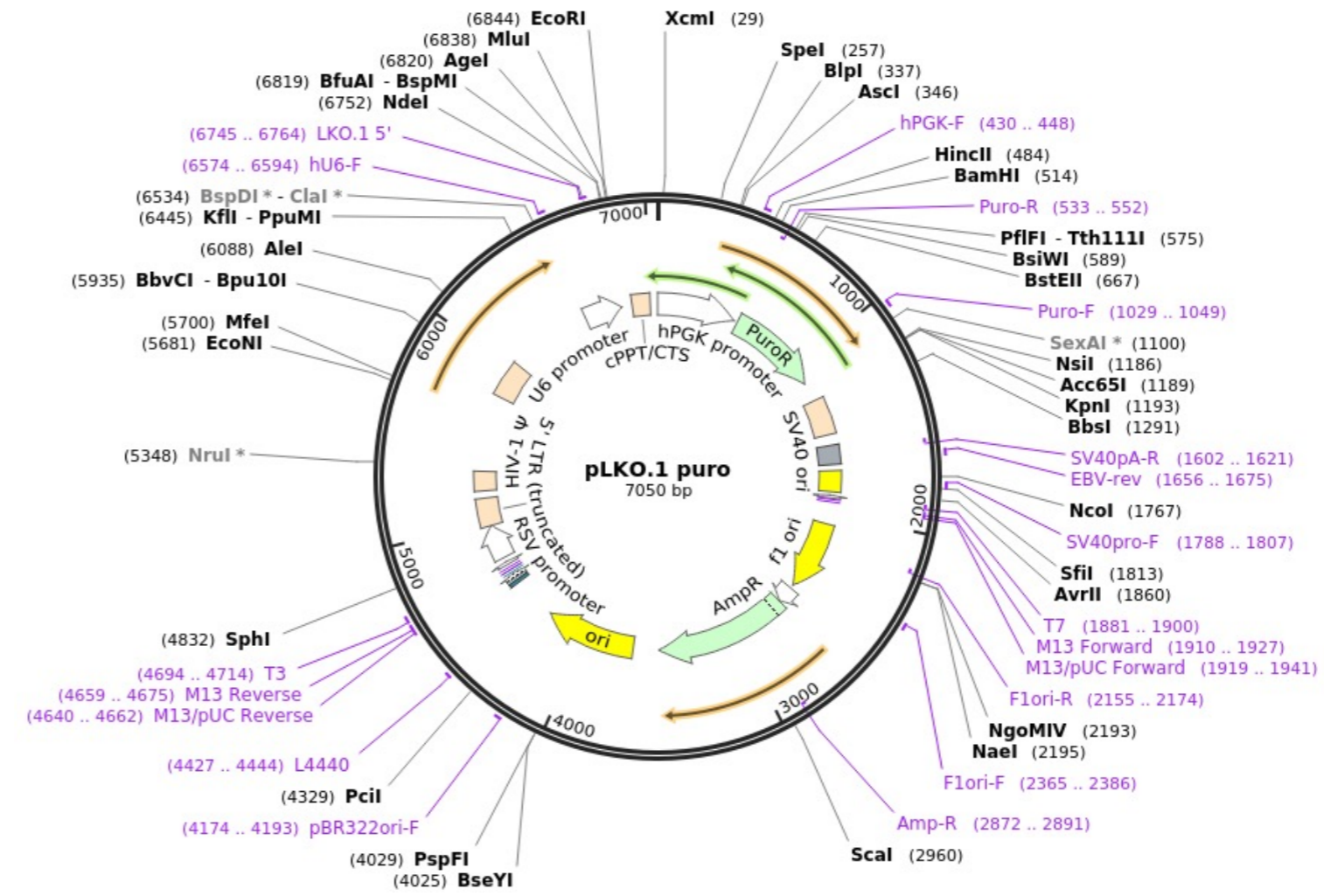
Inserts

Small hairpin RNA targeted to human MMP10. Inserted between EcoRI and AgeI.

CCGGCCTGGGCTTTATGGAGATATTCTCGAGAATATCTCCATAAAGCCCAG
GTTTTTG

Reporter gene

Promoter, U6 promoter
splice,
PolyA



Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.9.20

Constructed by addgene

Date constructed

PLASMID NAME

pMDLg/pRRE

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u>
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>

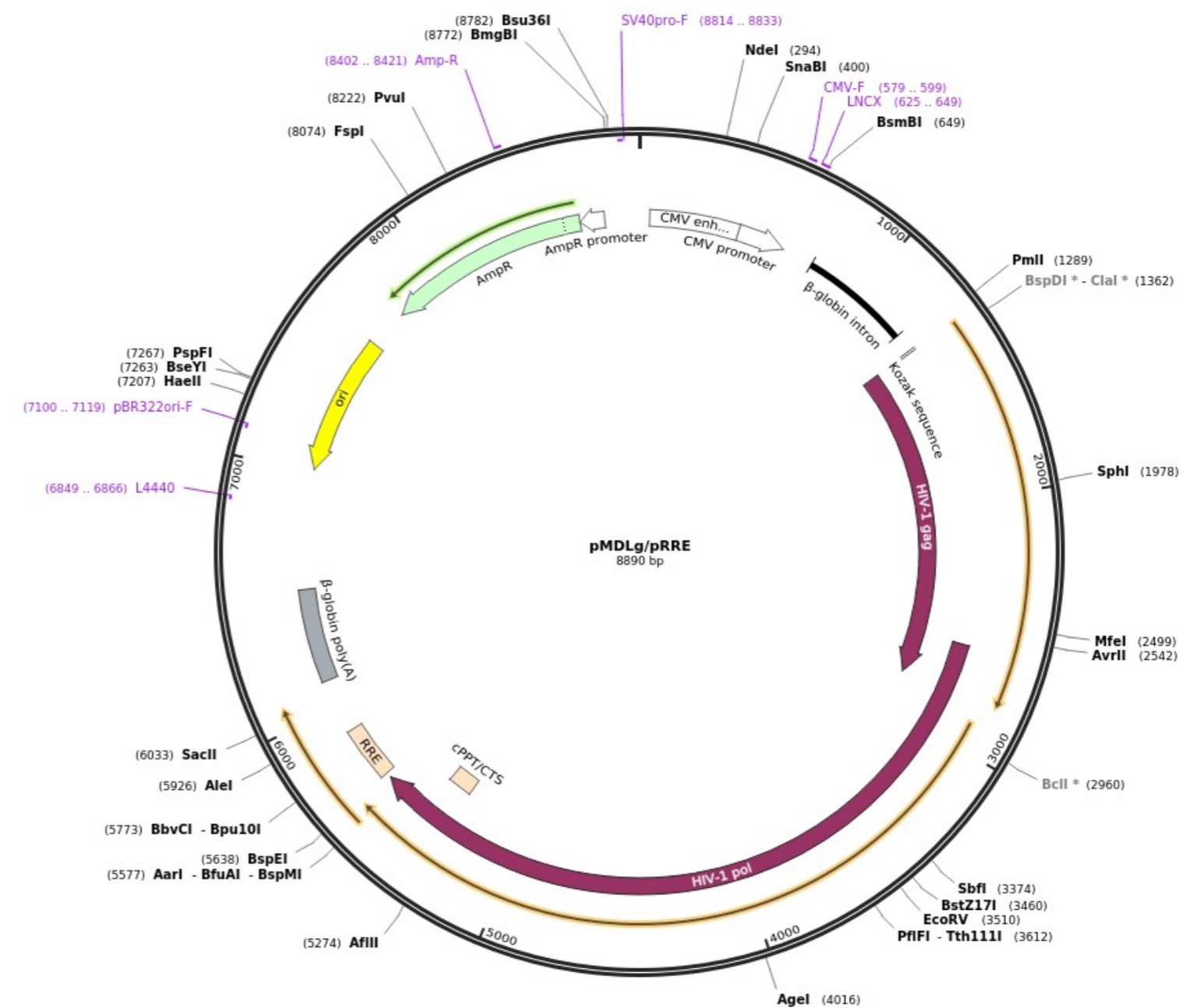
Inserts
 3rd generation lentiviral packaging plasmid (Addgene#12251);
 Contains Gag and Pol; also requires pRSV-Rev (Addgene#12253) and envelope expressing plasmid (Addgene#12259)

Reporter gene

Promoter, splice, PolyA CMV promoter

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.9.20

Constructed by addgene

Date constructed

PLASMID NAME

pRSV-Rev

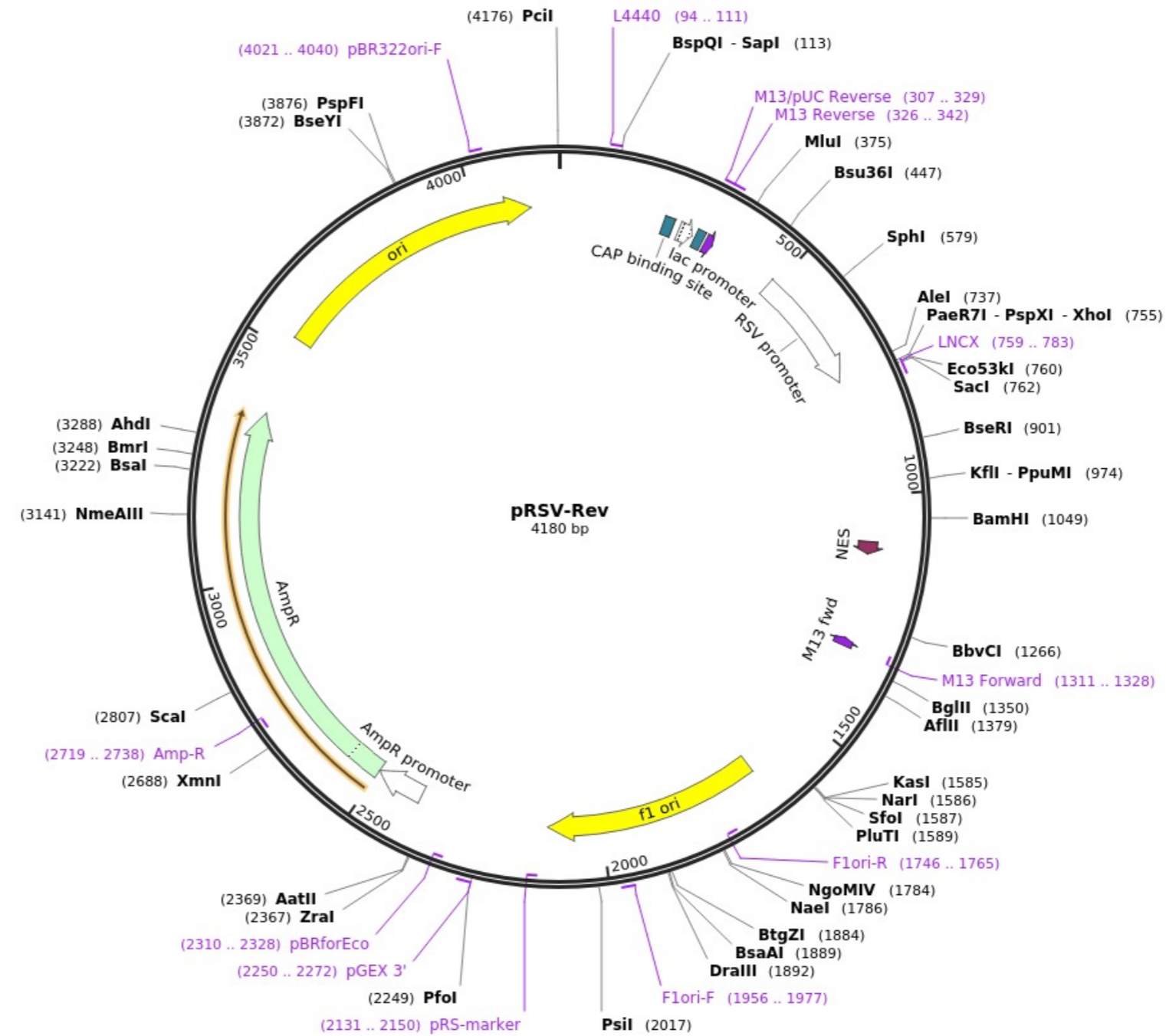
Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u>
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
	<u>other relevant source constructs</u>

<u>Inserts</u>	3rd generation lentiviral packaging plasmid (Addgene #12253); Contains Rev; also requires pMDLg/pRRE (Addgene#12251) and envelope expressing plasmid (Addgene#12259)
<u>Reporter gene</u>	<input type="text"/>
<u>Promoter, splice, PolyA</u>	RSV promoter

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 8.9.20

Constructed by BioCat

Date constructed

PLASMID NAME

UBC-GFP-T2A-Luciferase

bacterial marker Amp

parent vector

vertebrate marker Puromycin

bacterial plasmid

other relevant source constructs

Inserts

Lentiviral Dual Reporter Imaging Construct

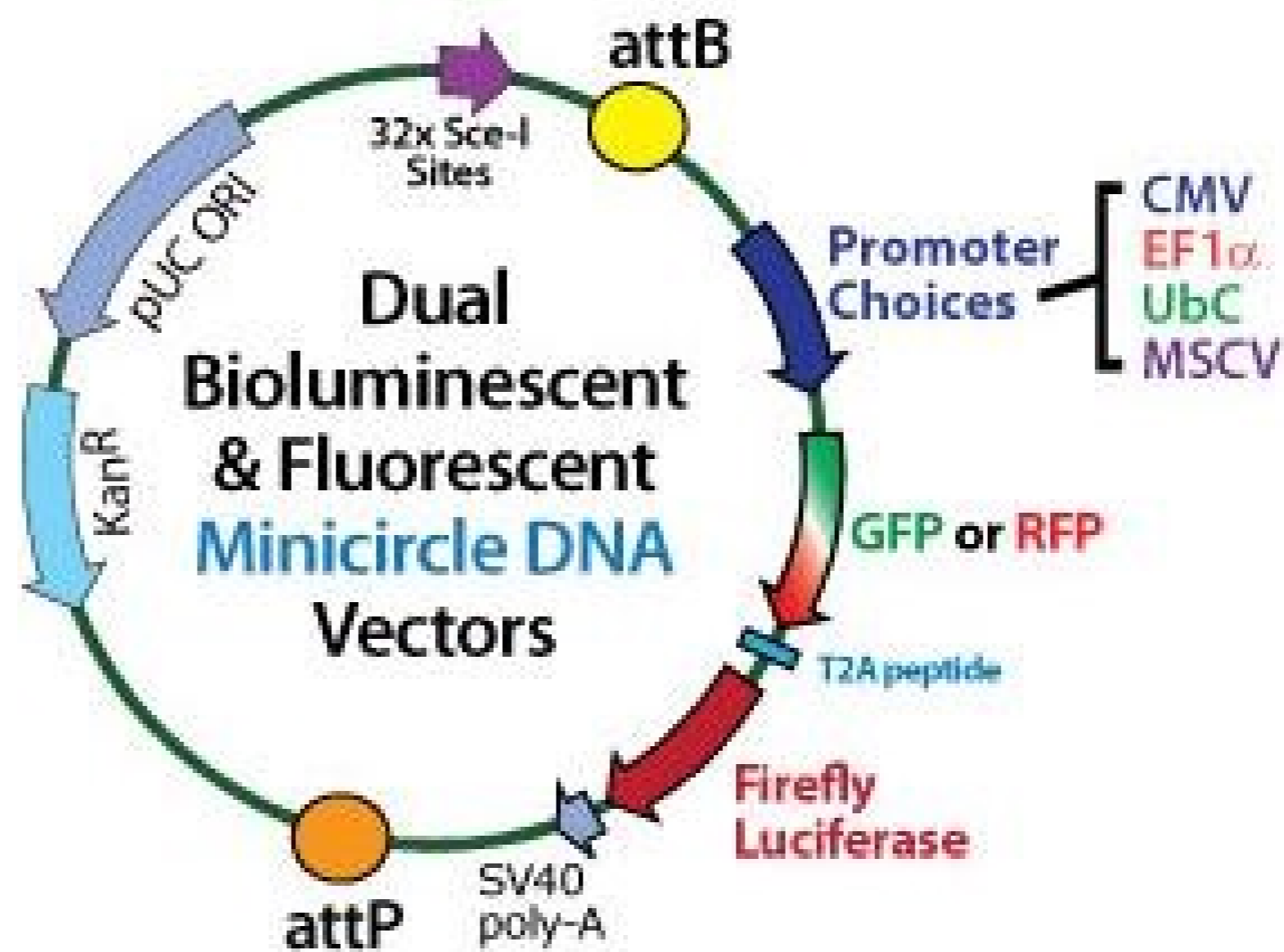
BLIV201PA-1 from BioCat

Reporter gene

Promoter, splice, PolyA UBC promoter

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

2981

Date entered

1.10.20

Constructed by

Nastaran Ghahhari

Date constructed

PLASMID NAME

PLKO.1-sh1CD151

Created with SnapGene®

bacterial marker Amp

parent vector

PLKO1

vertebrate marker Puromycin

bacterial plasmid

other relevant source constructs

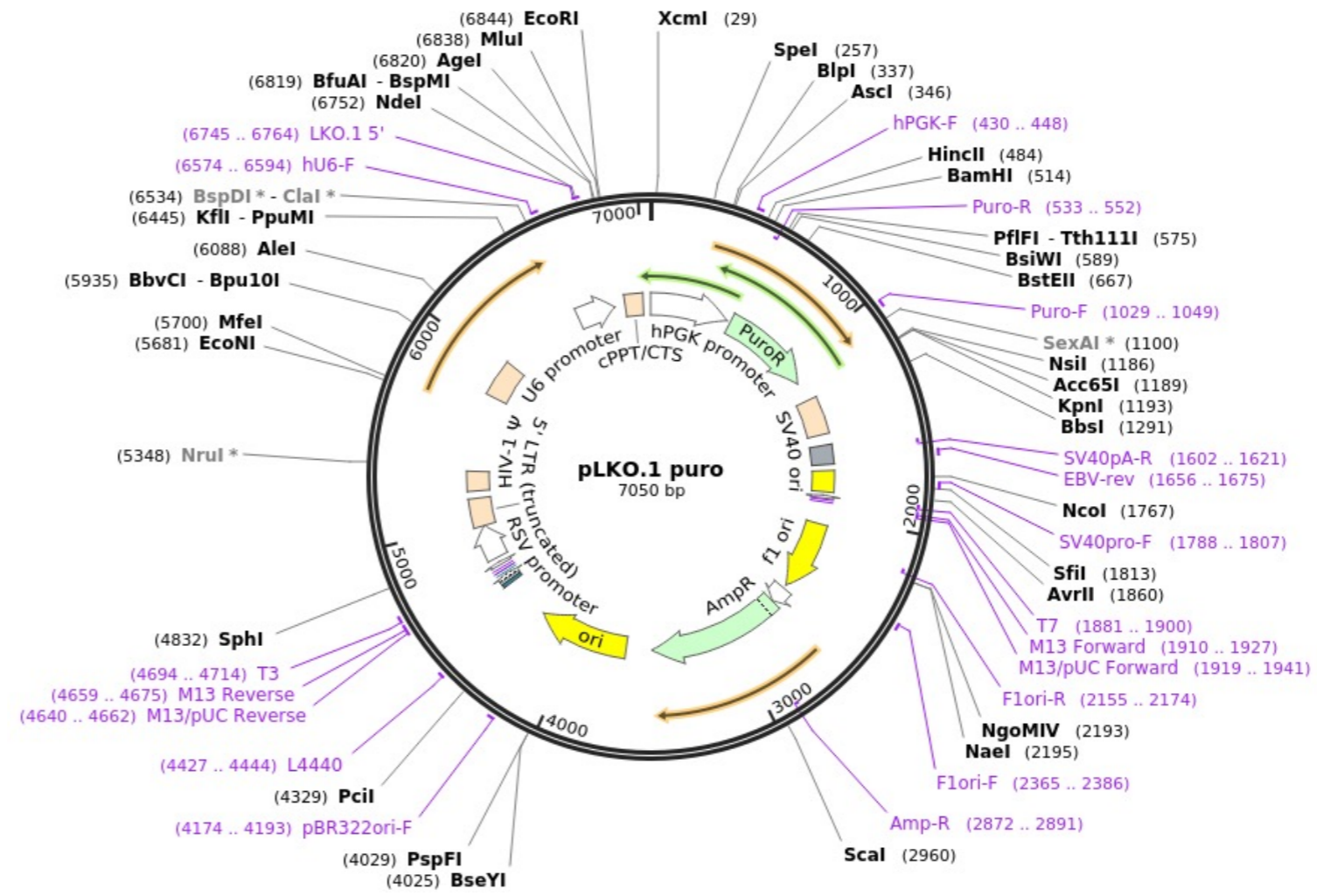
Inserts

Small hairpin RNA targeted to human CD151. Inserted between EcoRI and AgeI.

CCGGACCTGCTGTTTACCTACAATTCTCGAGAAATTGTAGGTAACAGCAGGTT
TTTIG

Reporter gene

Promoter, splice, PolyA
U6 promoter



Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

2982

Date entered

1.10.20

Constructed by

Nastaran Ghahhari

Date constructed

PLASMID NAME

PLKO.1-sh2CD151

Created with SnapGene®

bacterial marker Amp

parent vector

PLKO1

vertebrate marker Puromycin

bacterial plasmid

other relevant source constructs

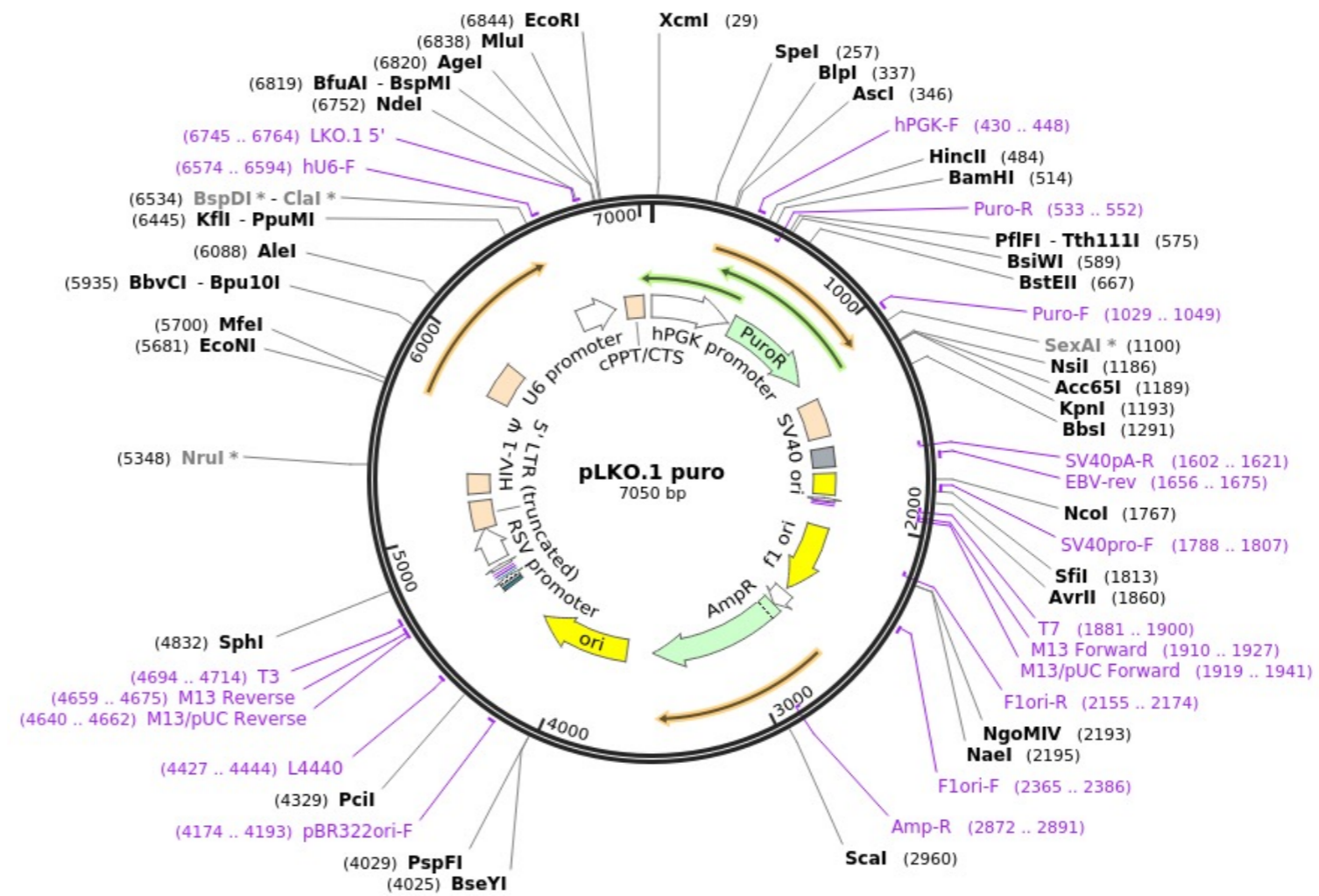
Inserts

Small hairpin RNA targeted to human CD151. Inserted between EcoRI and AgeI.

CCGGGCAGTCACCACCACCCGAAATCTCGAGATTTCGGGTGGTGGTGACTGC
TTTTTG

Reporter gene

Promoter, splice, PolyA U6 promoter



Comments

Reference

Construct number 2983

Date entered 8.12.20

Constructed by Eils and Di Ventura labs

Date constructed

PLASMID NAME

pDN41

bacterial marker Amp

vertebrate marker Neo (G418)

eucaryotic replicon SV40 ori

parent vector pcDNA3.1(-)

bacterial plasmid pUC

other relevant source constructs

Inserts LOV2 domain of *Avena sativa* phototropin 1 (AsLOV2) with bipartite NLS variant 9, which remains concealed in the dark

Fused N-terminally to NES-mCherry

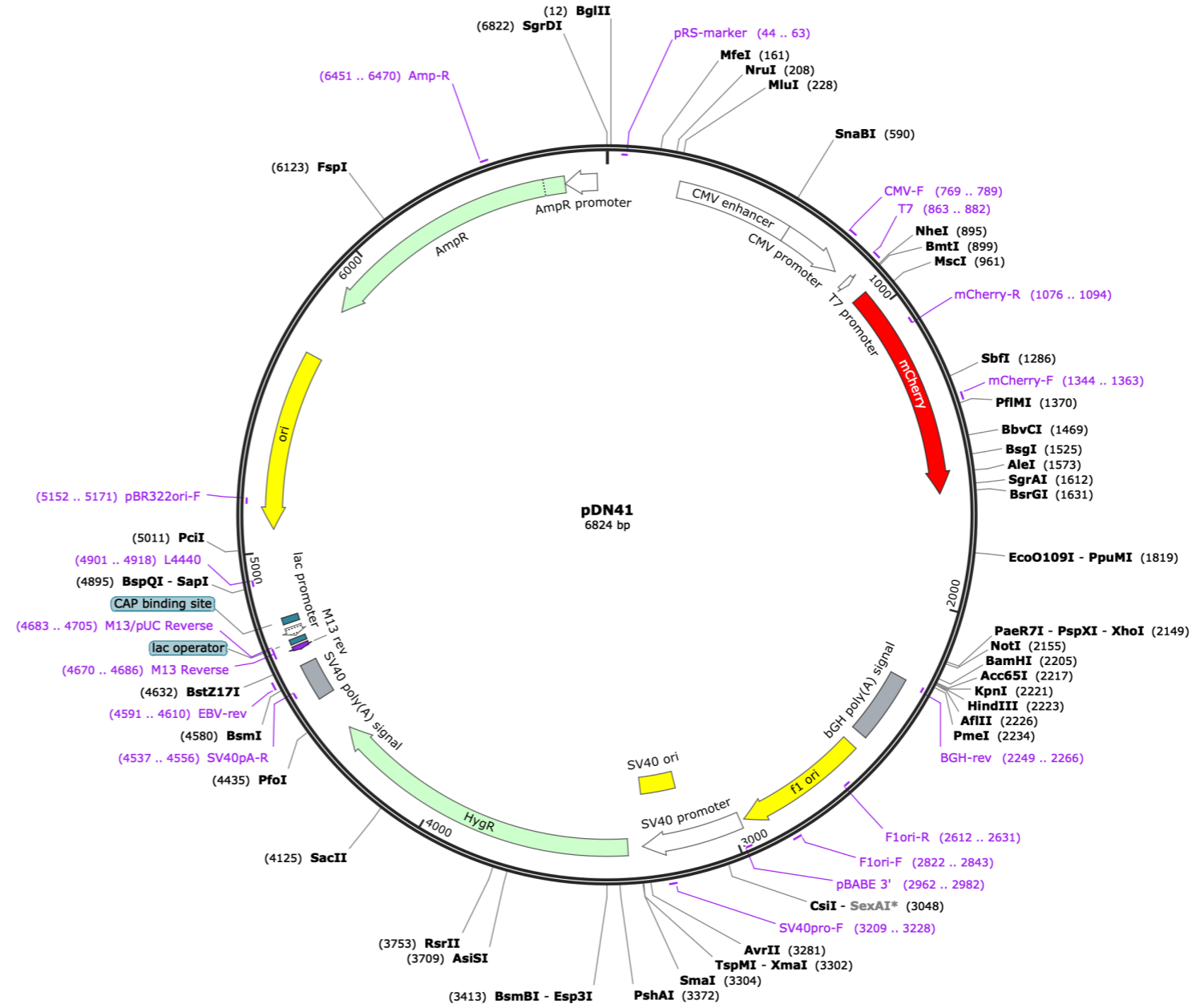
NES: from cAMP-dependent protein kinase inhibitor alpha (PKIt)

Reporter gene

Promoter, splice, PolyA
- CMV enhancer/promoter
- T7 promoter/priming site
- BGH poly A sequence
- SV40 early promoter and origin
- SV40 early poly A signal

Comments
- sequence available
- plasmid from Addgene (#61344)
- protein is mostly cytoplasmic in the dark and nuclear after exposure to blue light

Reference Niopek et al. (2014) Nat. Commun. 5, 4404



Created with SnapGene®

Construct number 2984

Date entered 8.12.20

Constructed by Campbell lab

Date constructed

PLASMID NAME

GA-NES

Created with SnapGene®

bacterial marker Amp	parent vector pcDNA3.1
vertebrate marker Neo (G418)	bacterial plasmid pUC
eucaryotic replicon SV40 ori	other relevant source constructs

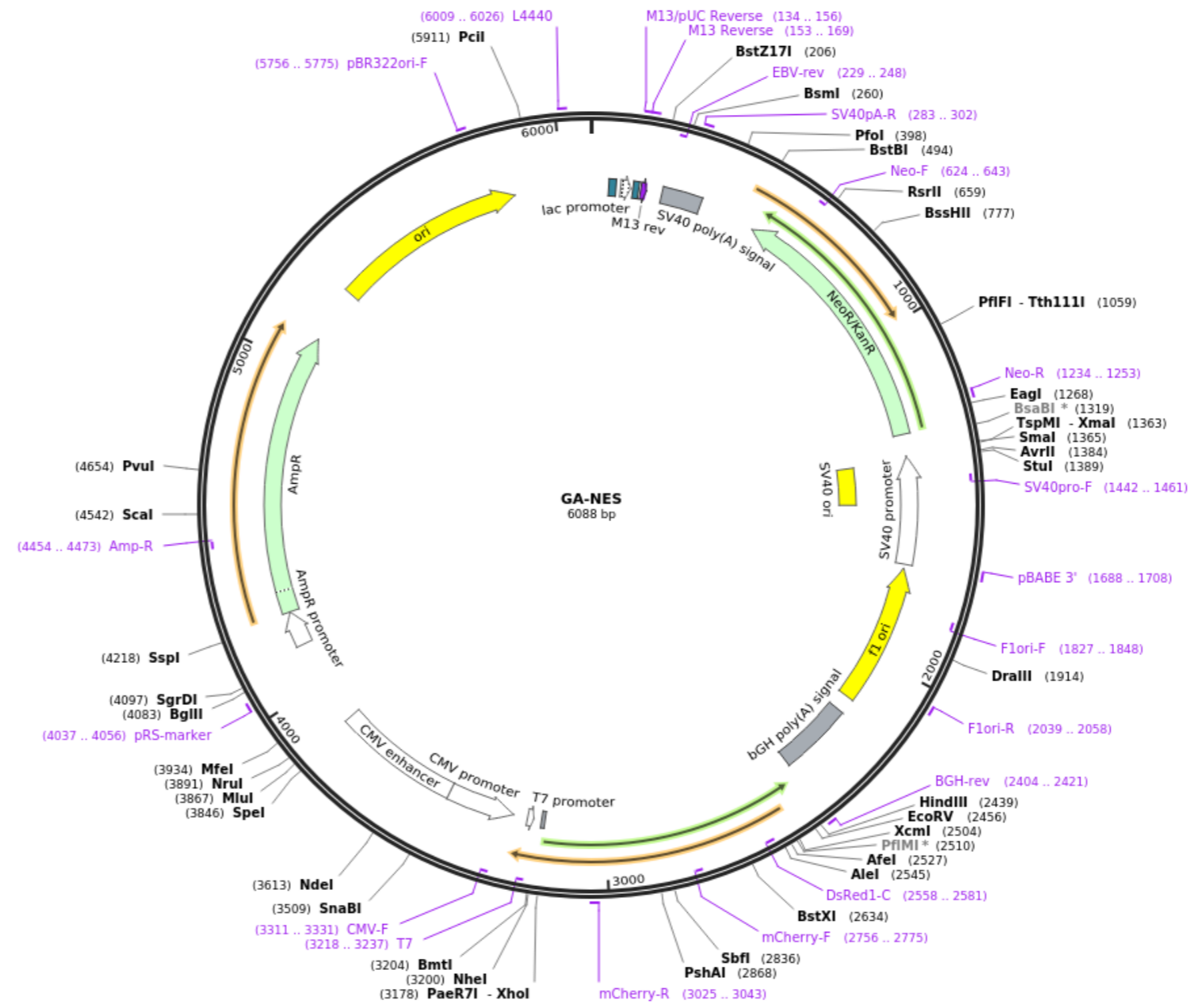
Inserts dimerization-dependent green fluorescent protein (ddGFP) copy A with C-terminal NES sequence LALKLAGLDIGS

Reporter gene

- Promoter, splice, PolyA**
- CMV enhancer/promoter
 - T7 promoter/priming site
 - BGH poly A sequence
 - SV40 early promoter and origin
 - SV40 early poly A signal

Comments - sequence available
- plasmid from Addgene (#61018)

Reference Ding et al. (2015) Nat. Methods 12, 195



Construct number 2985

Date entered 8.12.20

Constructed by Campbell lab

Date constructed

PLASMID NAME

GB-NES

Created with SnapGene®

bacterial marker Amp	parent vector pcDNA3.1
vertebrate marker Neo (G418)	bacterial plasmid pUC
eucaryotic replicon SV40 ori	other relevant source constructs

Inserts dimerization-dependent green fluorescent protein (ddGFP), dark copy B, with C-terminal NES sequence LALKLAGLDIGS

Reporter gene

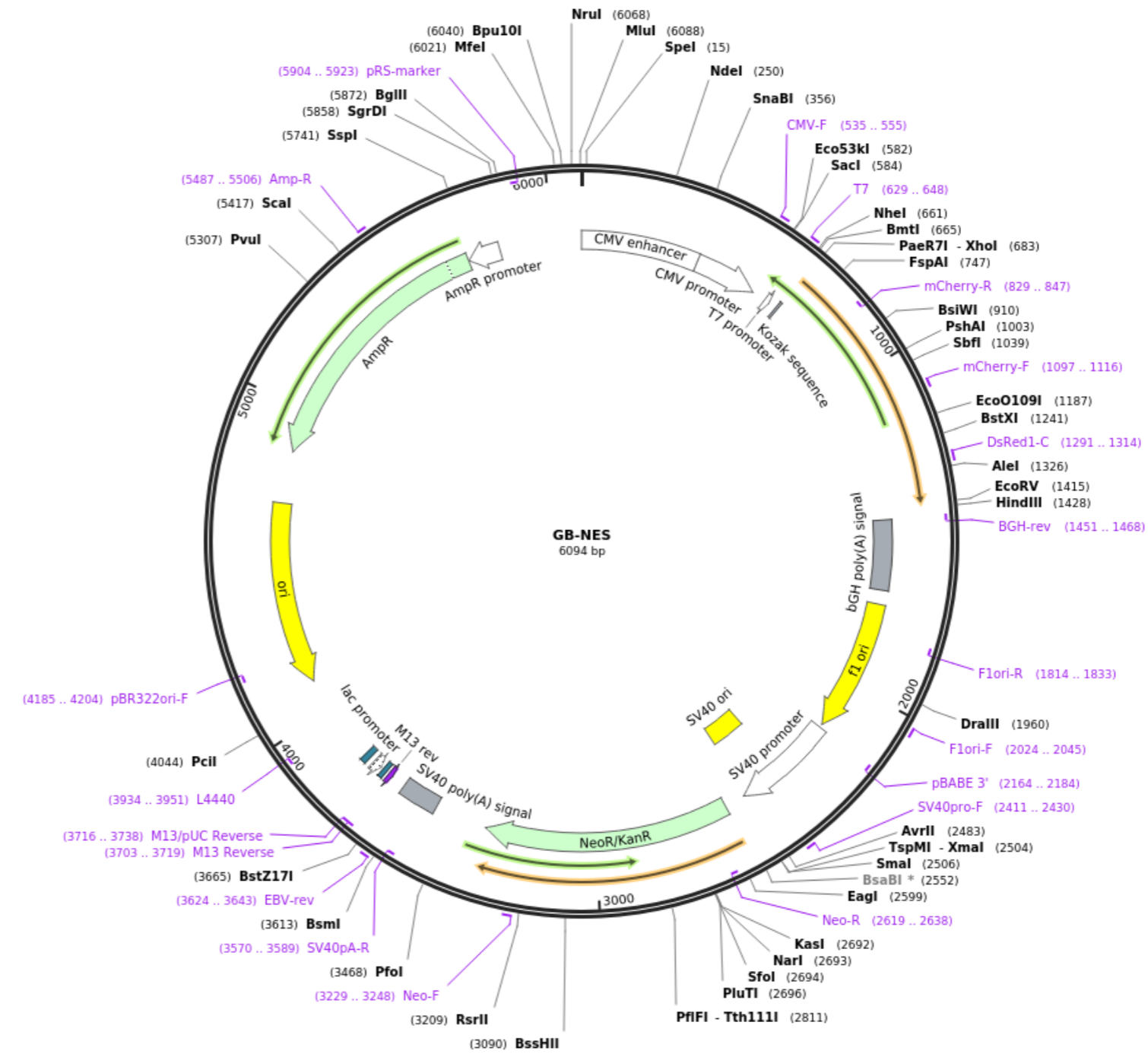
Promoter, splice, PolyA

- CMV enhancer/promoter
- T7 promoter/priming site
- BGH poly A sequence
- SV40 early promoter and origin
- SV40 early poly A signal

Comments

- sequence available
- plasmid from Addgene (#61017)
- the copy GB is compatible with both GA and RA.

Reference Ding et al. (2015) Nat. Methods 12, 195



Construct number 2986

Date entered 8.12.20

Constructed by Campbell lab

Date constructed

PLASMID NAME

RA-NES

Created with SnapGene®

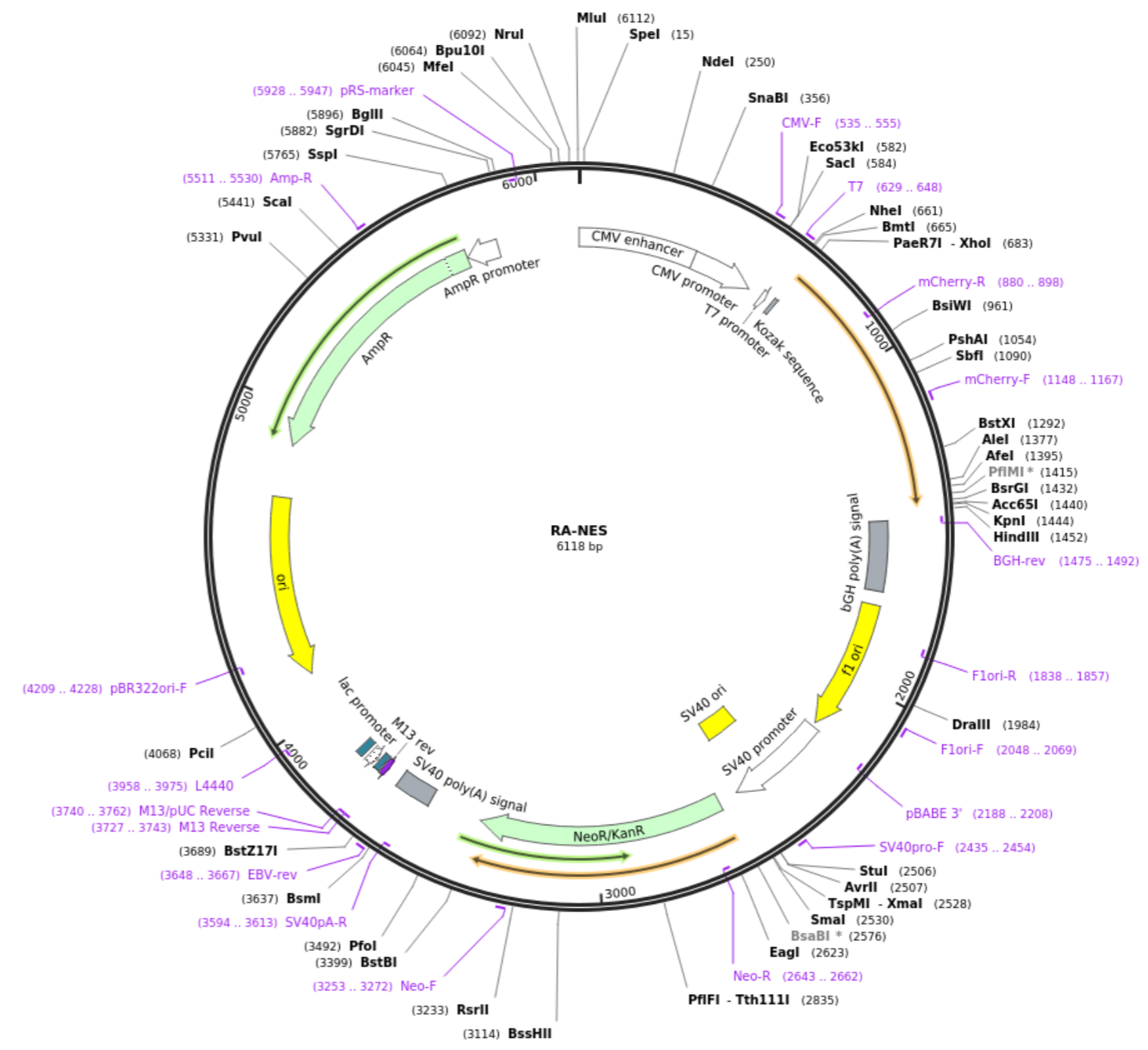
bacterial marker Amp	parent vector pcDNA3.1
vertebrate marker Neo (G418)	bacterial plasmid pUC
eucaryotic replicon SV40 ori	other relevant source constructs

Inserts	dimerization-dependent red fluorescent protein (ddRFP), copy A, with N-terminal NES sequence MNLVDLQKKLEELELDEQQ
Reporter gene	
Promoter, splice, PolyA	- CMV enhancer/promoter - T7 promoter/priming site - BGH poly A sequence - SV40 early promoter and origin - SV40 early poly A signal

Comments

- sequence available
- plasmid from Addgene (#61019)
- compatible with GB-NES

Reference Ding et al. (2015) Nat. Methods 12, 195



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 16.12.20

Constructed by

Date constructed

PLASMID NAME

N174-MCS (Puro)

bacterial marker

Amp
Puromycin

parent vector

bacterial plasmid

other relevant source constructs

Inserts

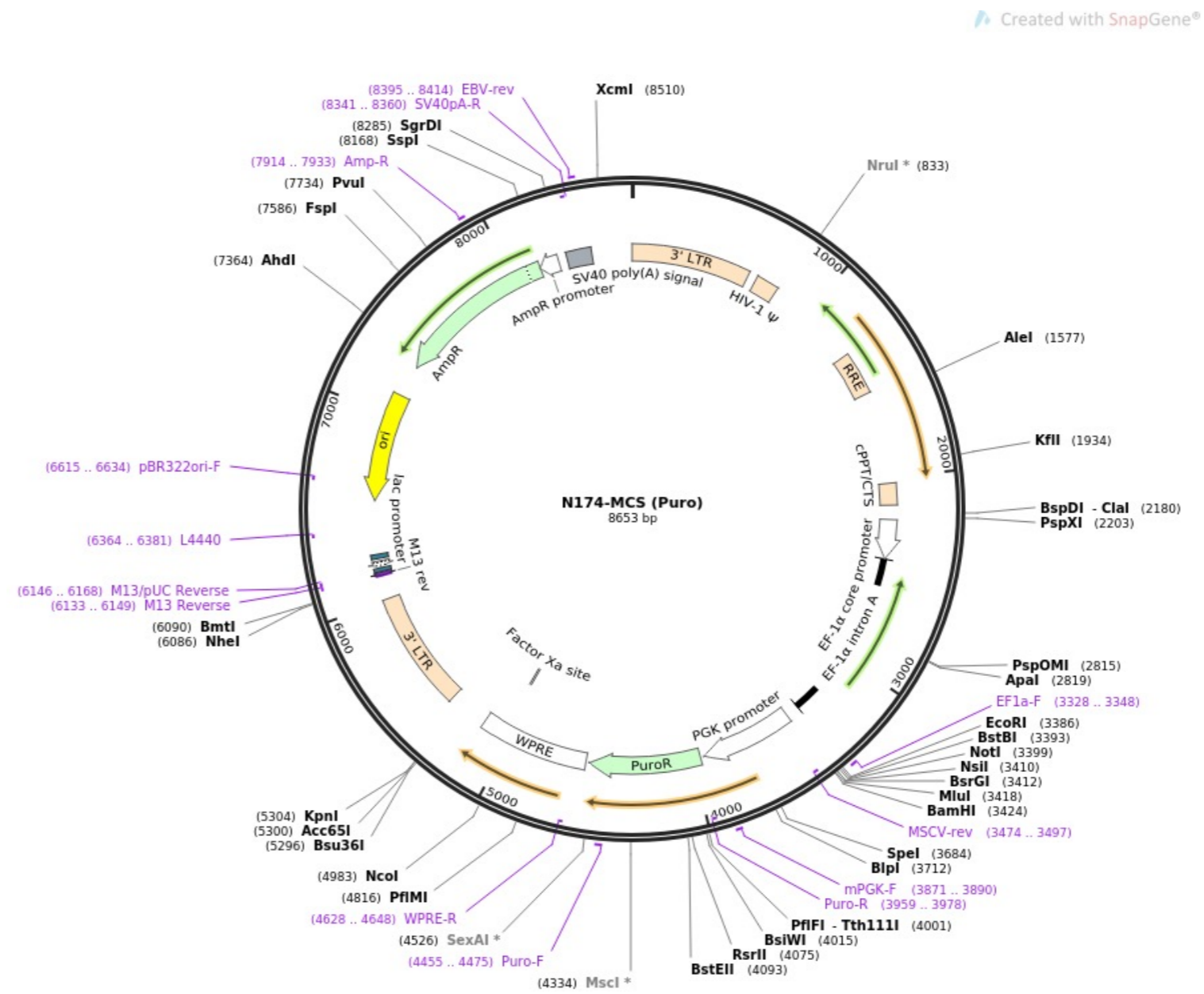
Reporter gene

Promoter,
splice,
PolyA

Comments Addgene plasmid 81068
Vector backbone N174-MCS
(Search Vector Database)

Backbone size (bp) 8653

Reference



Construct number 2988

Date entered 16.12.20

Constructed by

Date constructed

PLASMID NAME

pLVpuro-CMV-N-3xFLAG

bacterial marker Amp

vertebrate marker Puromycin

parent vector pLV-CMV-y/hNubl-tripleFLAG-linker-Gateway-bacterial plasmid other relevant source constructs

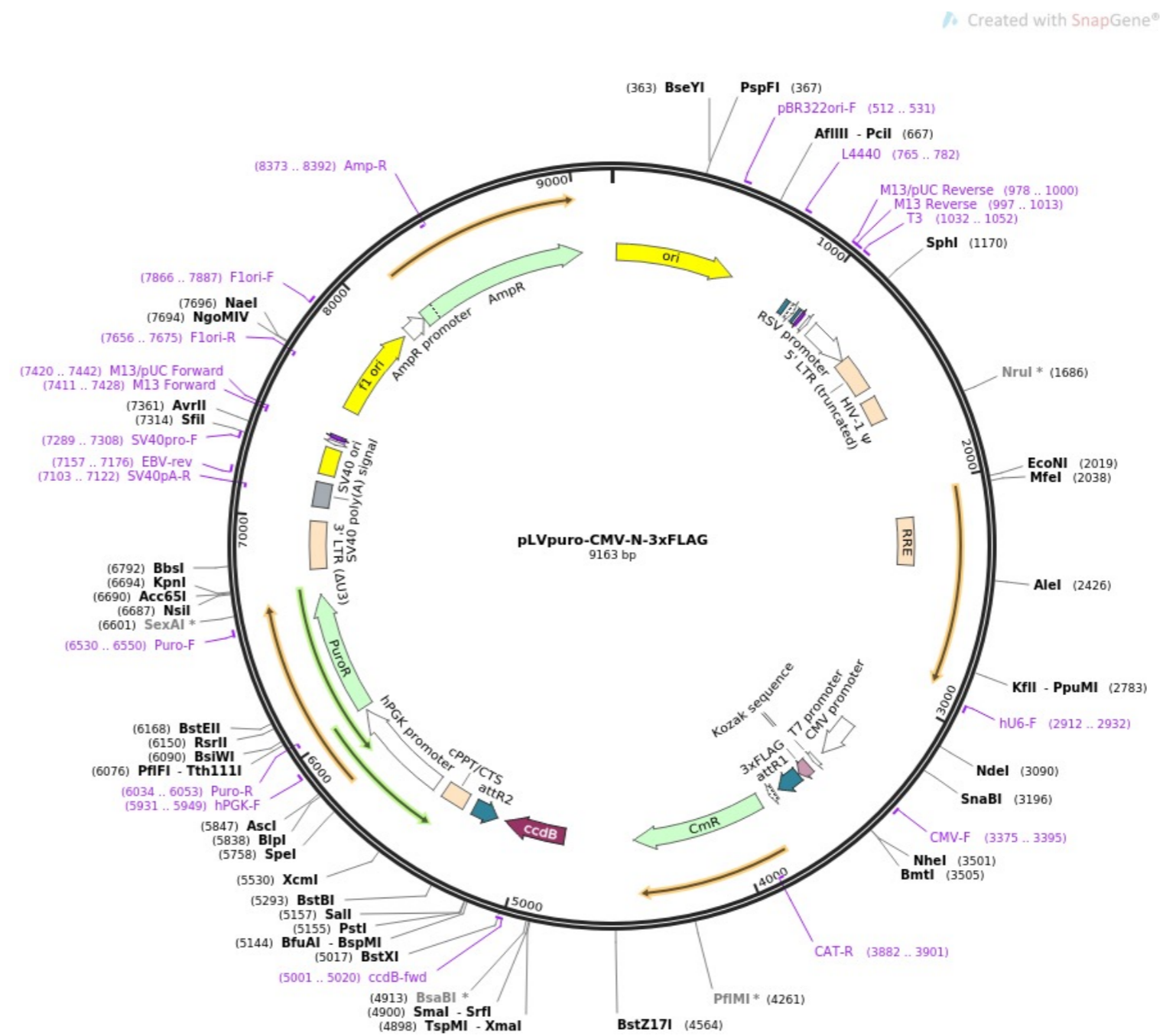
Inserts

Reporter gene

Promoter, splice, PolyA

Comments Addgene plasmid no 123223 Backbone size (bp)9000 Modifications to backbone Replacement of region between NheI and BstBI sites with 3xFLAG and gateway cassette. Vector typeMammalian Expression, Lentiviral ; Gateway destination

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 4.1.21

Constructed by Stephen Benkovic_Addgene

Date constructed 4.1.21

PLASMID NAME

pGART-GFP

TrifGART

Created with SnapGene®

bacterial marker Amp	parent vector pCl-neo
	bacterial plasmid no. 99106
	other relevant source constructs

Inserts insertion of GFP from pLTG82 into XhoI and Sall restriction sites (Sall restriction site destroyed)

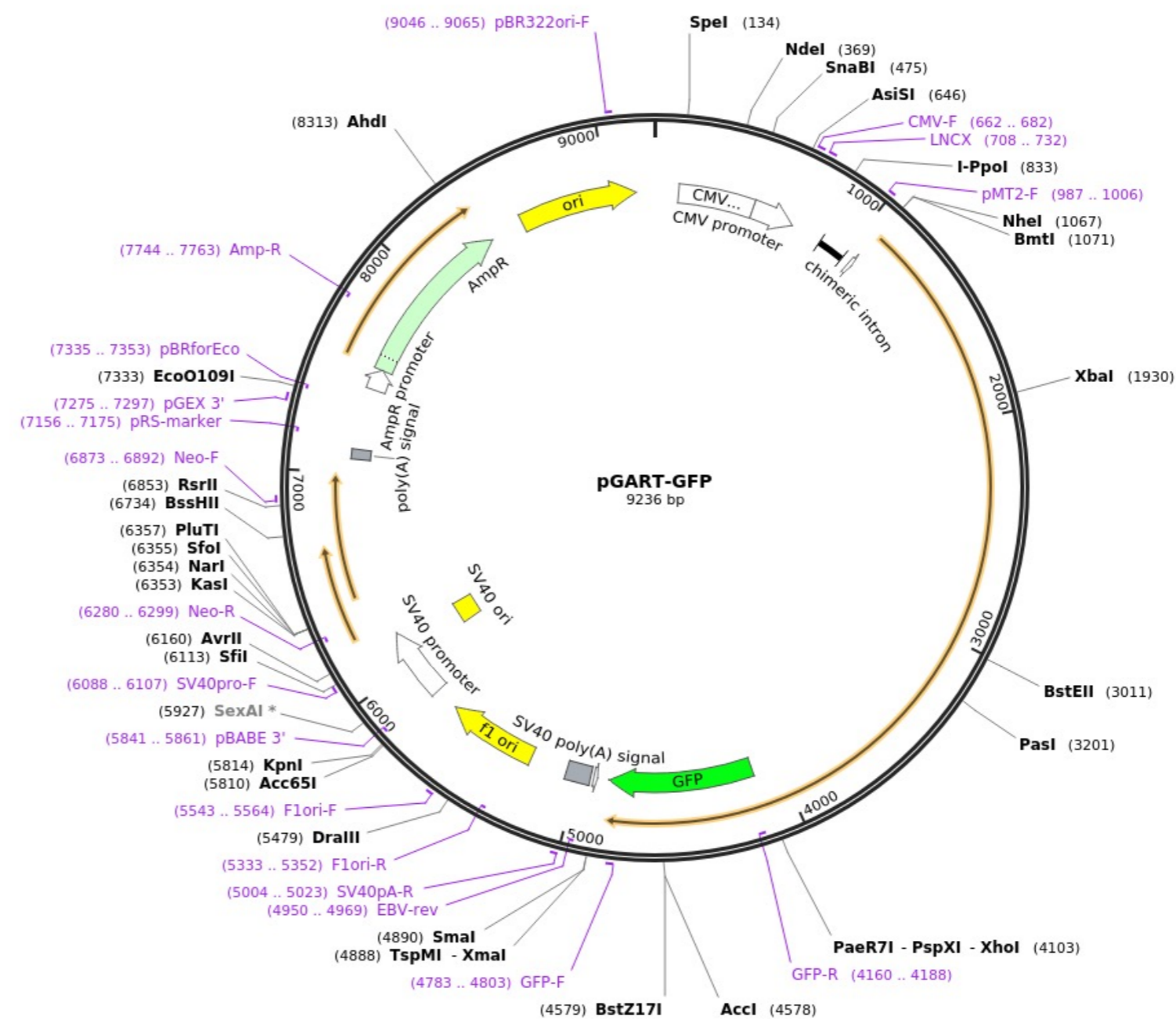
Reporter gene

Promoter, splice, PolyA Promoter CMV

Comments phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminoimidazole synthetase_SpeciesH. sapiens (human)

5' sequencing primer CGCAAATGGGCGGTAGGCGTG

Reference An et al Science. 2008 Apr 4;320(5872):103-6. doi: 10.1126/science.1152241.



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.1.21

Constructed by Diana Wider

Date constructed 01.2021

PLASMID NAME

y Δ c-L645-646S

bacterial marker Amp

yeast marker LEU2

eucaryotic replicon 2 μ circle

parent vector

y Δ c-Zip1H

bacterial plasmid

BS

other relevant source constructs

Inserts Full-length yeast Hsp82 without charged domain (Δ AA 211-259) with double point mutation L645S-L646S

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments - sequence available
- compared to y Δ c-Zip1H, it has the indicated point mutations and lacks the C-terminal SynZip1 and the His6 tag

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 7.1.21

Constructed by Diana Wider

Date constructed 01.2021

PLASMID NAME

y Δ c-I668-672A/L676A

bacterial marker Amp

yeast marker URA3

eucaryotic replicon 2 μ circle

parent vector

y Δ c-Zip2S

bacterial plasmid

BS

other relevant source constructs

Inserts Full-length yeast Hsp82 without charged domain (Δ AA 211-259) with double point mutation I668A-I672A/L676A

Reporter gene

Promoter,
splice,
PolyA GPD promoter

Comments - sequence available
- compared to y Δ c-Zip2S, it has the indicated point mutations and lacks the C-terminal SynZip2 and the Streptag

Reference

DIDIER PICARD LAB, University of Geneva

Construct number **2992**

Date entered 7.1.21

Constructed by **Stephen Benkovic lab._Addgene**

Date constructed 7.1.21

PLASMID NAME

pPAICS-EGFP

bacterial marker Kan

parent vector

pEGFP-N1

bacterial plasmid

no. 99108

other relevant source constructs

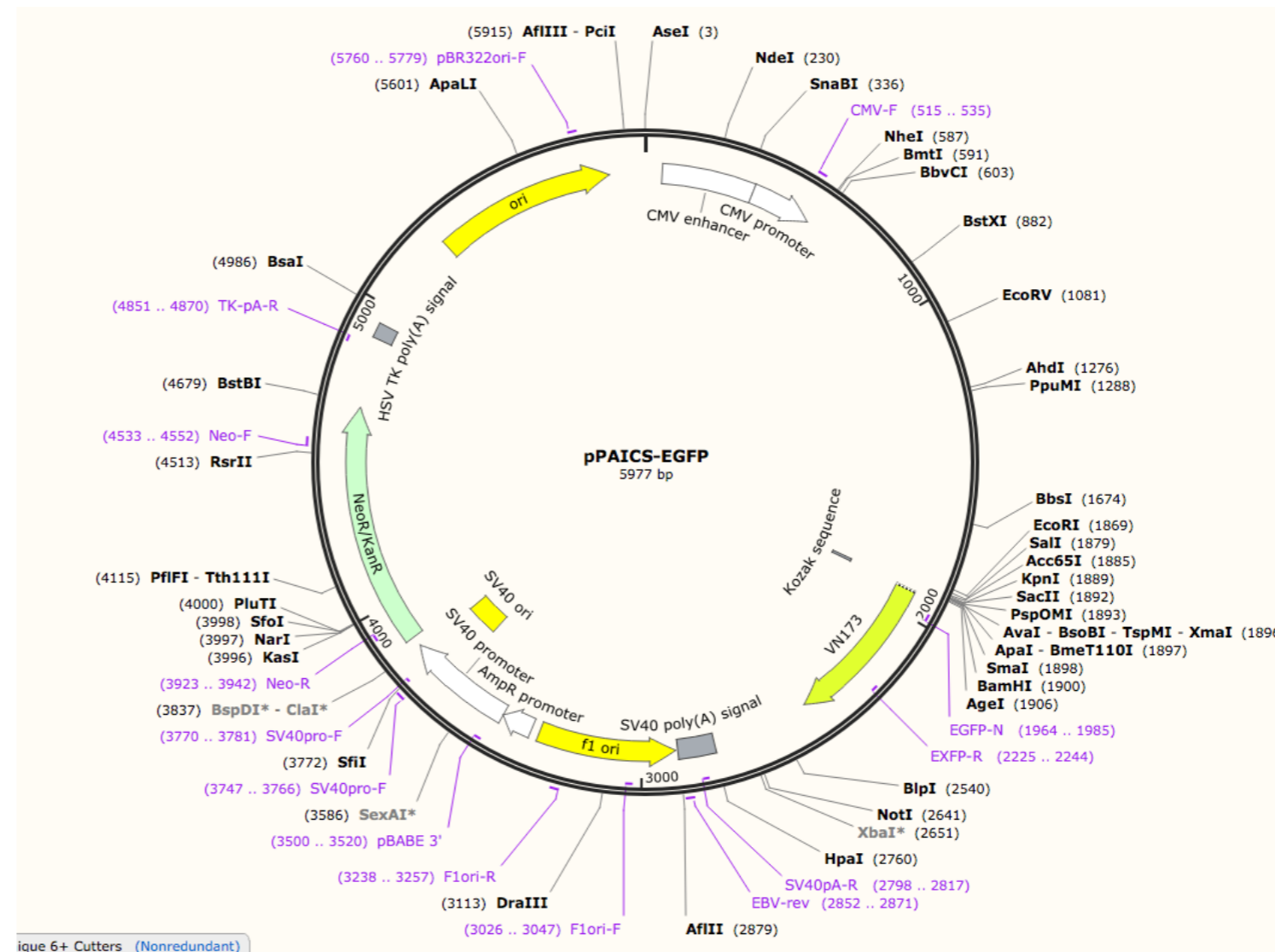
Inserts PAICS, phosphoribosylaminoimidazole carboxylase and phosphoribosylaminoimidazolesuccinocarboxamide synthase

Reporter gene **EGFP**

Promoter, splice, PolyA **Promoter CMV**

Comments H. sapiens (human)
5' sequencing primer
CGCAAATGGGCGGTAGGCGTG

Reference An et al Science. 2008 Apr 4;320(5872):103-6. doi: 10.1126/science.1152241



ique 6+ Cutters (Nonredundant)

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 23.6.21

Constructed by Dina Hany

Date constructed 23.6.21

PLASMID NAME

pcDNA3.1(+)-GART-HA

bacterial marker Amp

parent vector
pcDNA3.1(+)-HA
bacterial plasmid

other relevant source constructs
pGART-GFP

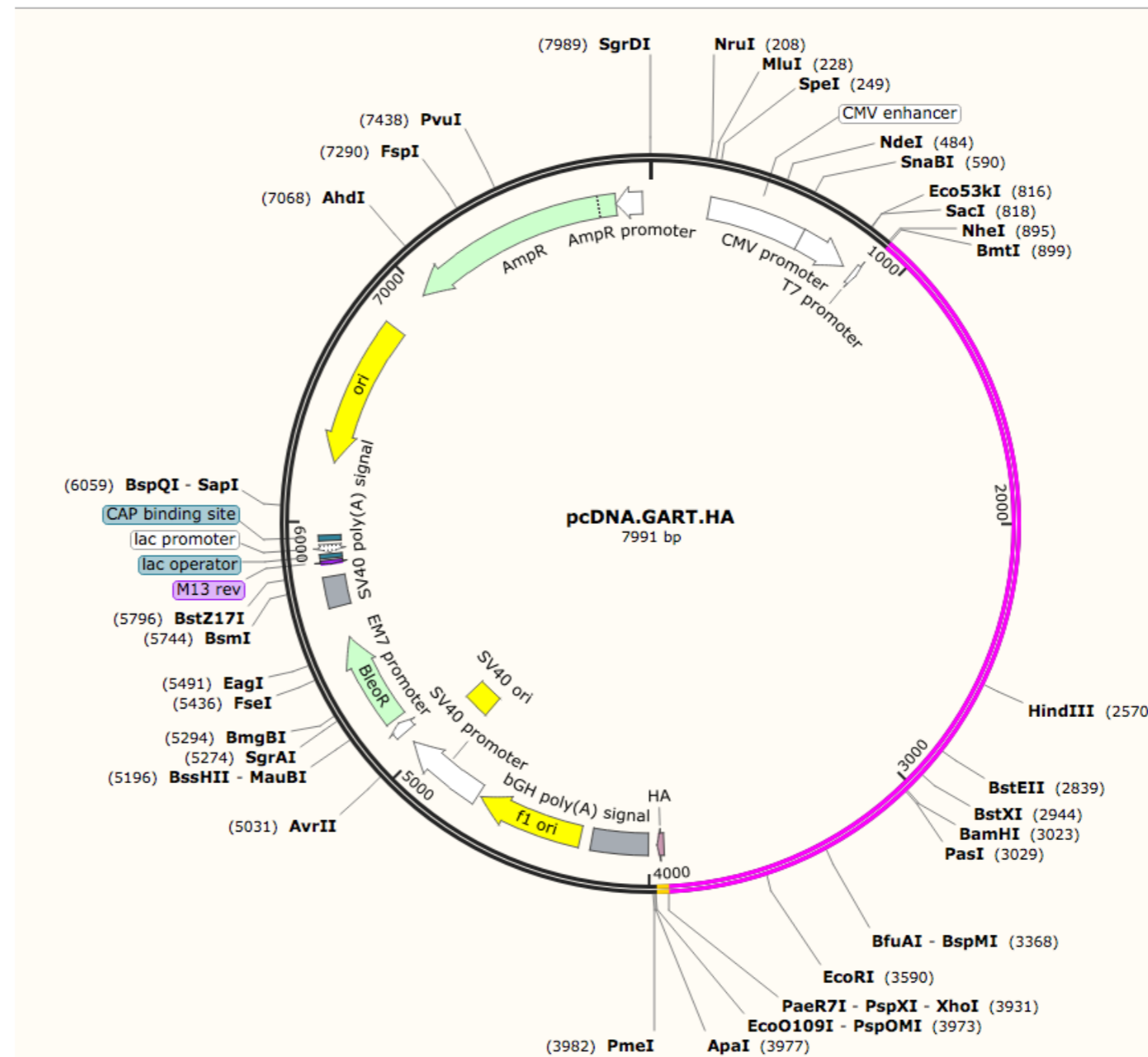
Inserts

Reporter gene

Promoter, splice, PolyA
CMV
T7
SV40

Comments

Reference



Construct number

2994

Date entered

2.7.21

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 2.7.21

Constructed by Ernest Abboud

Date constructed 19/4/2021

PLASMID NAME

Hop OE-N174-MCS

bacterial marker Amp

parent vector

N174-MCS

vertebrate marker Puromycin

bacterial plasmid

other relevant source constructs

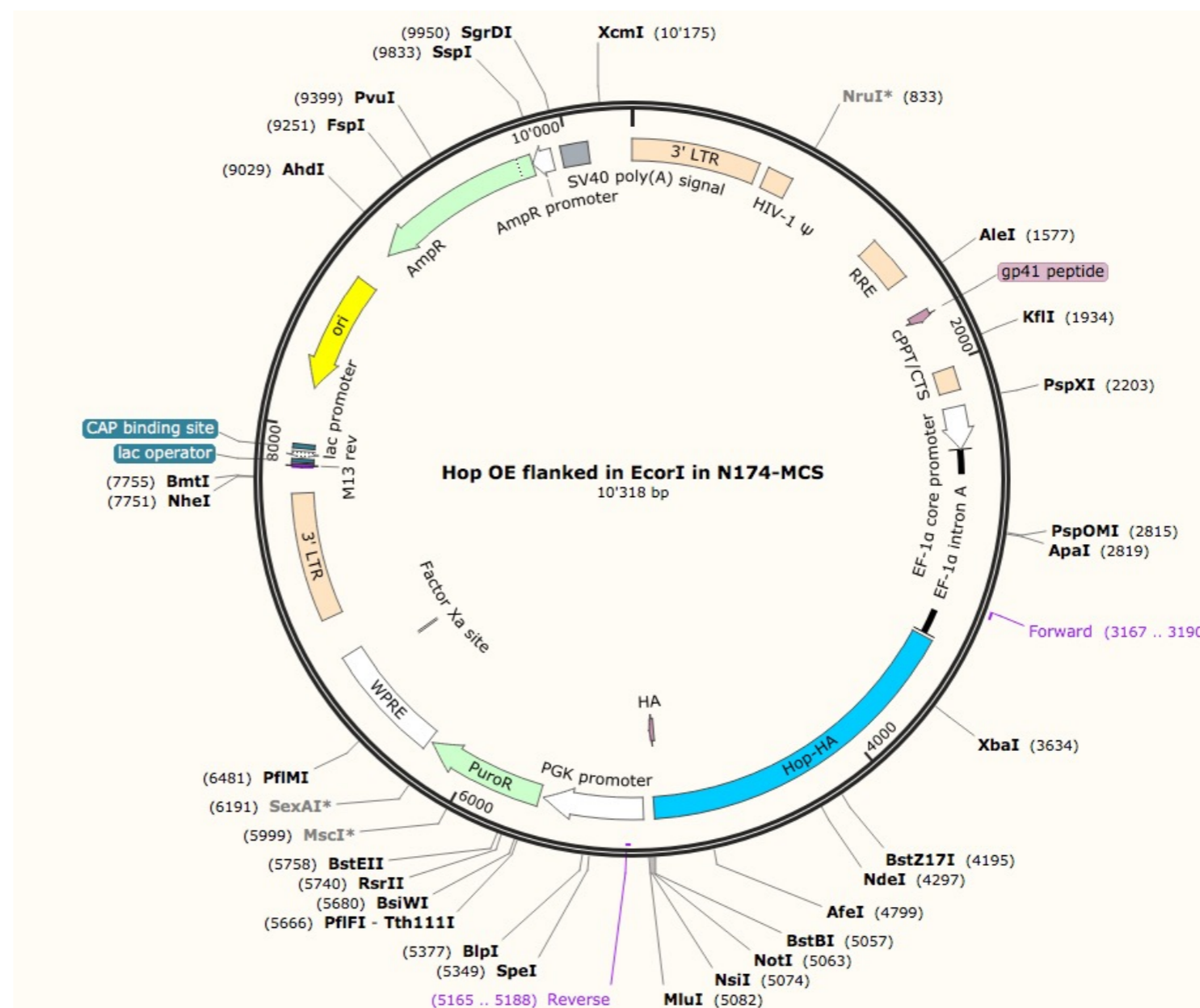
Inserts Hop sequence inserted in EcorRI site for Hop OE in N174-MCS

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 2.7.21

Constructed by Ernest Abboud

Date constructed 31/7/2020

PLASMID NAME

pLKO.1_Hop KD_C6

bacterial marker Amp

parent vector

pLKO.1

vertebrate marker Puromycin

bacterial plasmid

other relevant source constructs

Inserts

Forward : 5' CCGG AGGCCTCATCTCTATATTT CTCGAG
AAATATAGAGAGATGAGGCCT TTTTTG 3'

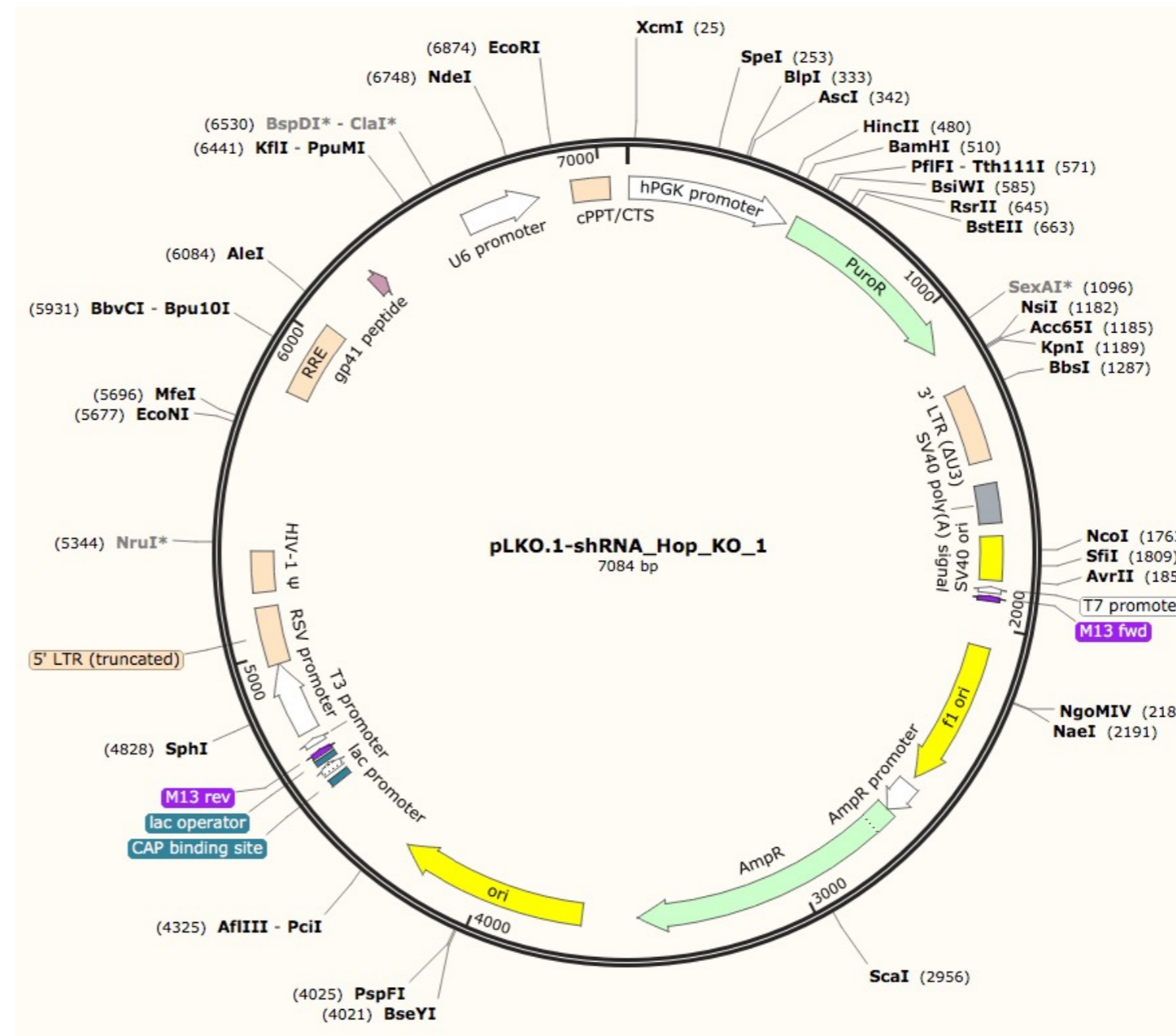
Reverse : 5' AATTCAAAA AGGCCTCATCTCTATATTT CTCGAG
AAATATAGAGAGATGAGGCCT 3'

Reporter gene

Promoter, splice, PolyA
U6 promoter

Comments shRNA to knock down Hop in mammalian cells, targeting the 3'UTR. Mean KD level: 0.73.
Inserted in AgeI sites

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 2.7.21

Constructed by Ernest Abboud

Date constructed 31/7/2020

PLASMID NAME

pLKO.1_Hop KD_C7

bacterial marker Amp

parent vector

vertebrate marker Puromycin

bacterial plasmid

other relevant source constructs

Inserts

Forward : 5' CCGG **CGACCTTCATCAAGGGTTATA** CTCGAG
TATAACCCTTGATGAAGGTCG TTTTGG 3'

Reverse : 5' AATTCAAAA **CGACCTTCATCAAGGGTTATA** CTCGAG
TATAACCCTTGATGAAGGTCG 3'

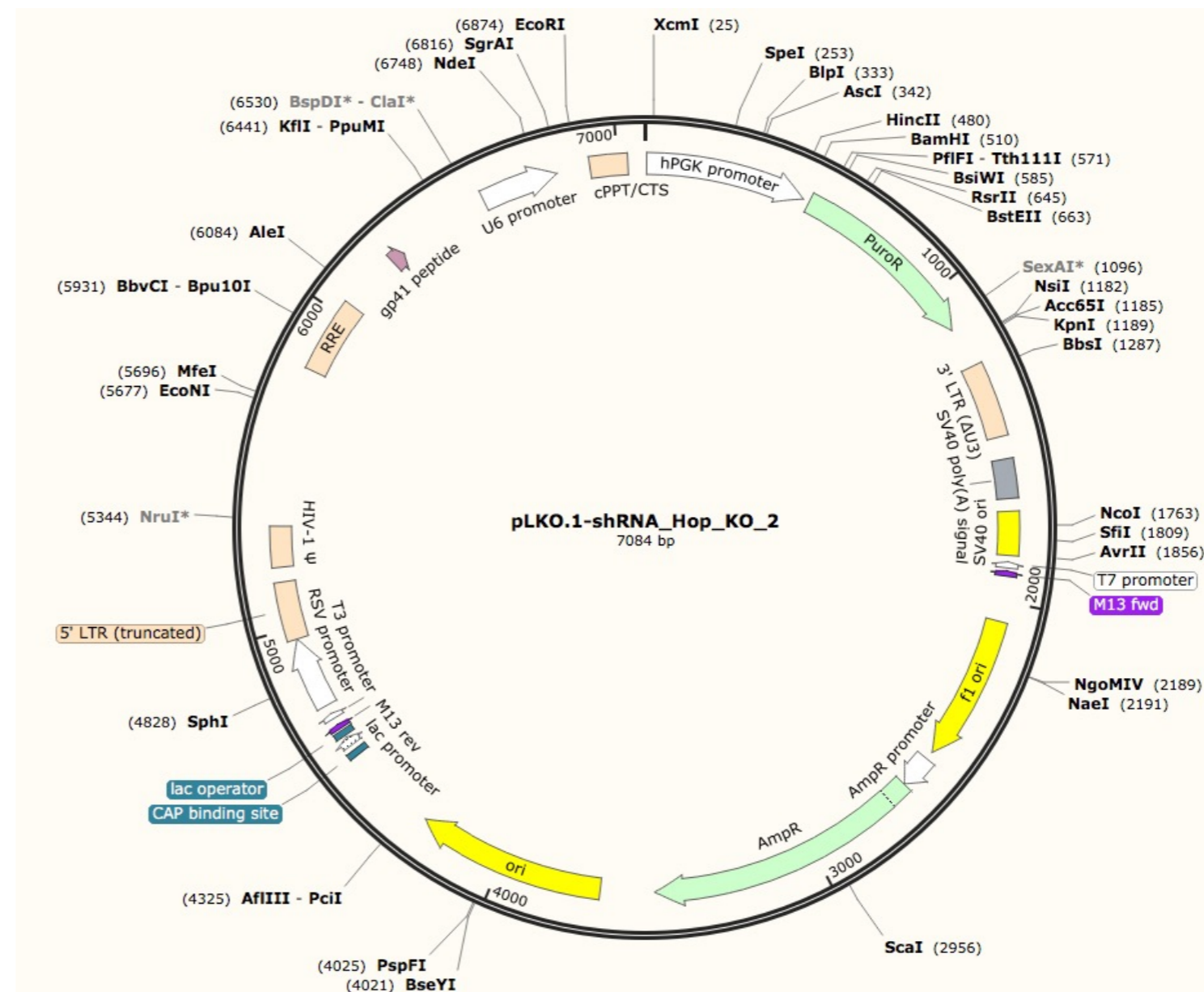
Reporter gene

Promoter, splice, PolyA U6 promoter

Comments shRNA designed to knock down Hop in mammals cells, targeting the CDS region of Hop. Mean KD level: 0.79.

Inserted in AgeI sites

Reference



DIDIER PICARD LAB, University of Geneva

Construct number 2998

Date entered 2.7.21

Constructed by Ernest Abboud

Date constructed 11/1/2021

PLASMID NAME

pPL/ Δ XB(630).gag_K235M

bacterial marker Amp

parent vector

pPL Δ XB(630).ER

bacterial plasmid

pUC13

other relevant source constructs

Inserts

- mouse c-abl IV (Δ XB derivative to AA 630) fused to AMuLV gag (gag moiety is 240 AA), carrying the single point mutation K235M. This plasmid was generated by single point mutation using plasmid number 45 in this database.

- no selectable marker

Forward:

AGAAGTACAGCCTCACTGTGGCCGTGATGACCTTGAAGGAGGACAC
CATGGAGG

Reverse:

CCTCCATGGTGTCTCCTTCAAGGTCATCACGGCCACAGTGAGGCTG

Reporter gene TACTTCT

Promoter, MLV 5' and 3' LTR.
splice,
PolyA

Comments - gag is inserted C-terminal of tyrosine kinase domain.
- gag fragment made by PCR with oligos
5'CCGATCCGGGCCAGACTGT3' and
5'CCGGATCCTAGACGGGGGTGAT3'

Reference for vector: EMBO 8 (1989) 449-456.
for pPL: EMBO 4 (1985) 1769-1774.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 19.7.21

Constructed by Dina Hany

Date constructed 15.07.21

PLASMID NAME

sgPAICS-Px458

bacterial marker Amp

parent vector Px458

vertebrate marker Puromycin

bacterial plasmid

other relevant source constructs

Inserts sgRNA targeting PAICS

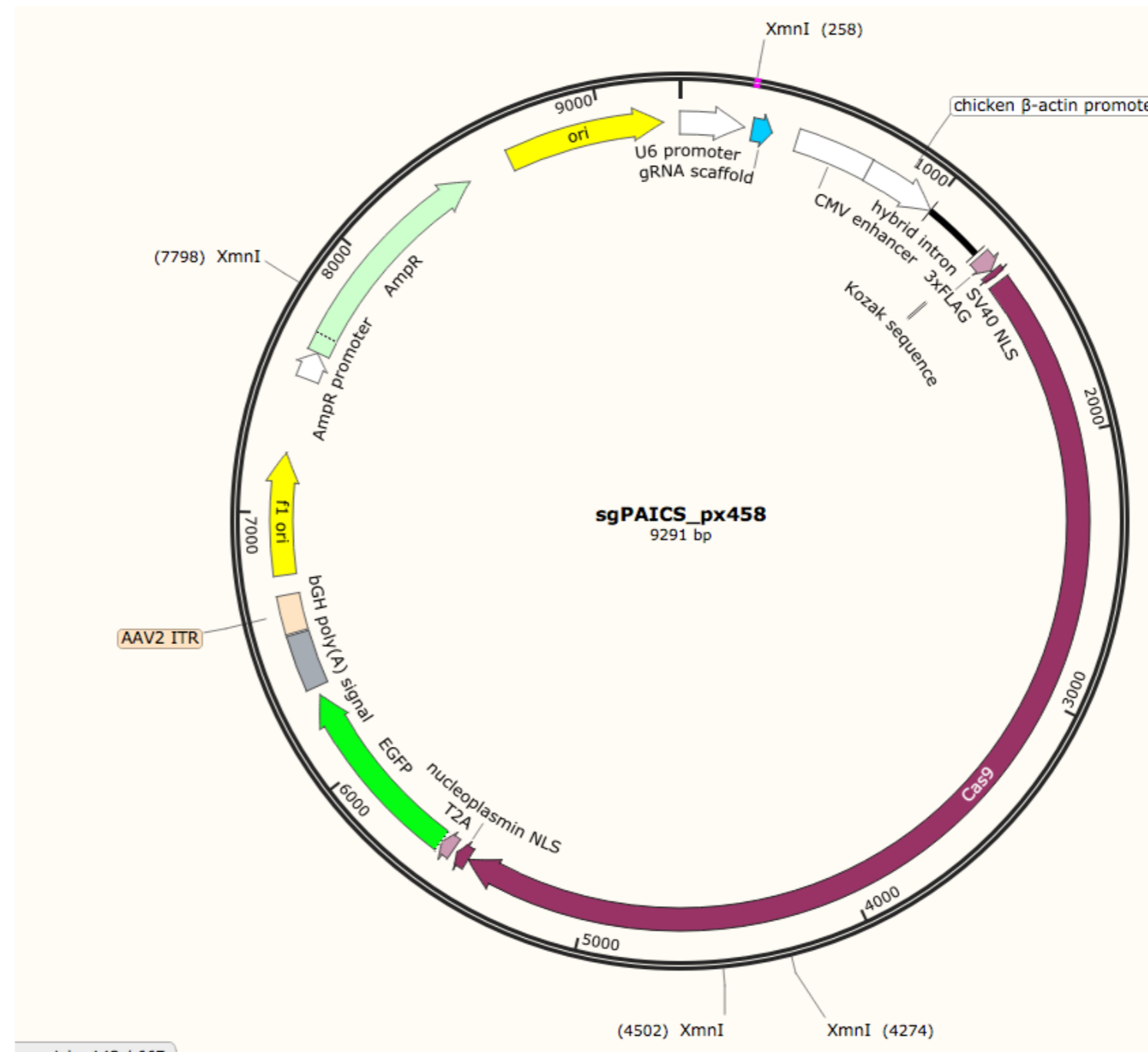
FW: CACCATTGGAATCATTTCACACTG
Rev: TAACCTTAGTAAAGTGTGACCAAA

Reporter gene

Promoter, splice, PolyA U6
CMV

Comments

Reference



DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 19.7.21

Constructed by Dina Hany

Date constructed 15.07.21

PLASMID NAME

sgPAICS_Px459

bacterial marker Amp

parent vector Px459

vertebrate marker Puromycin

bacterial plasmid

other relevant source constructs

Inserts sgRNA targeting PAICS

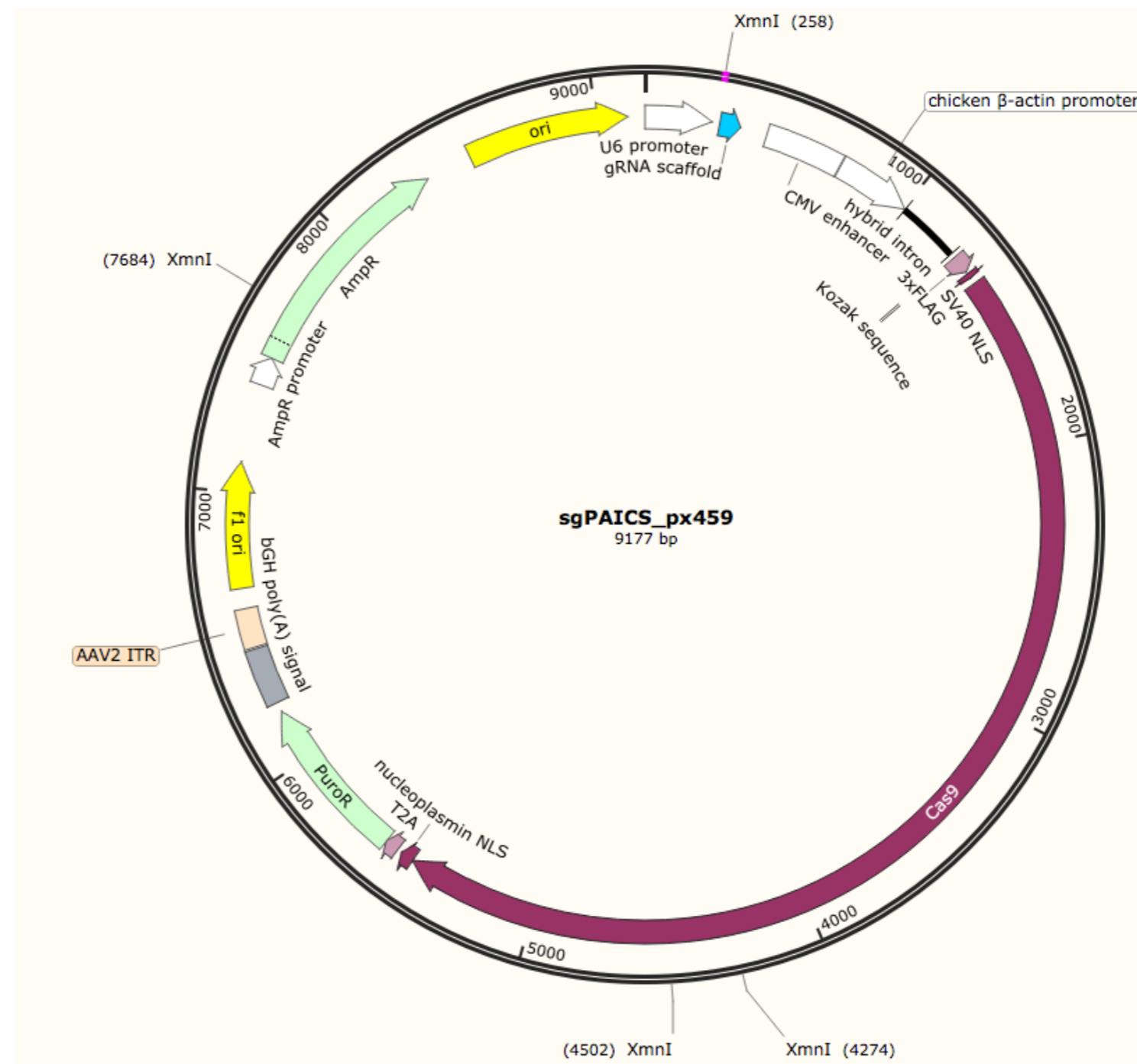
FW: CACCATTGGAATCATTTCACACTG
Rev: TAACCTTAGTAAAGTGTGACCAAA

Reporter gene

Promoter, splice, PolyA
U6
CMV

Comments

Reference



Construct number

3001

Date entered

24.1.22

Constructed by

SinoBiological

Date constructed

PLASMID NAME

pCMV3-N-His+SPRED2 cDNA ORF

bacterial marker Kanamycin

parent vector
pCMV

bacterial plasmid

other relevant source constructs

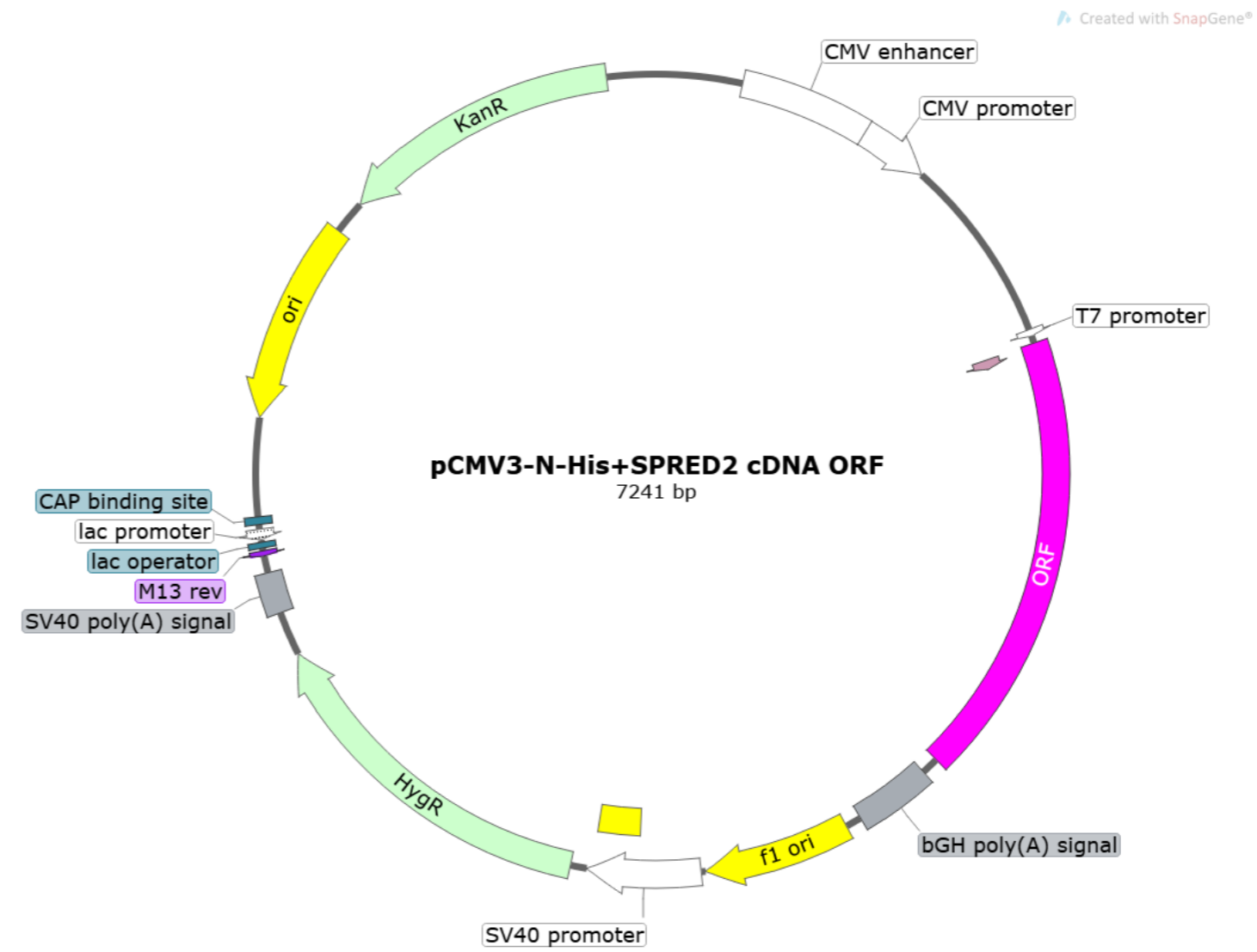
Inserts
SPRED2 cDNA
H-His tag

Reporter gene

Promoter,
splice,
PolyA

Comments Selection in cells: Hygromycin

Reference <https://www.sinobiological.com/cdna-clone/human-spred2-hg19948-nh>



Construct number

3002

Date entered

24.1.22

Constructed by

Vasia Vafeiadou

Date constructed

PLASMID NAME

shSPRED2_1

bacterial marker Amp

vertebrate marker Puromycin

parent vector

PLKO.1

bacterial plasmid

other relevant source constructs

Inserts

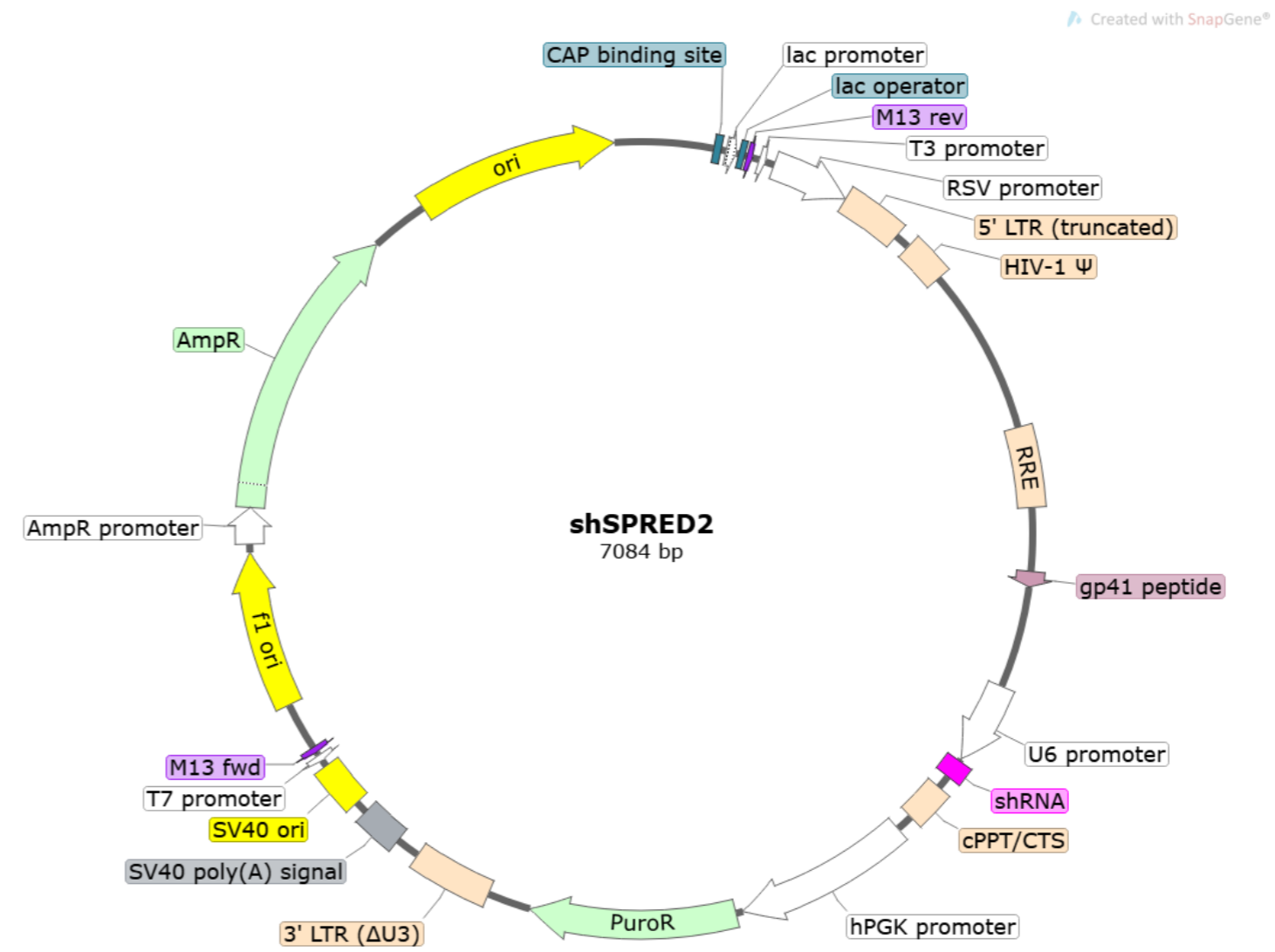
5'-
CCGGCAACAGCTACAGACAGTTCTTCTCGAGAAGAAGTGTCTGTAGC
TGTTGTTTTTG - 3'

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference



Construct number

3003

Date entered

24.1.22

Constructed by

Vasia Vafeiadou

Date constructed

PLASMID NAME

shSPRED2_2

bacterial marker Amp

vertebrate marker Puromycin

parent vector

PLKO.1

bacterial plasmid

other relevant source constructs

Inserts

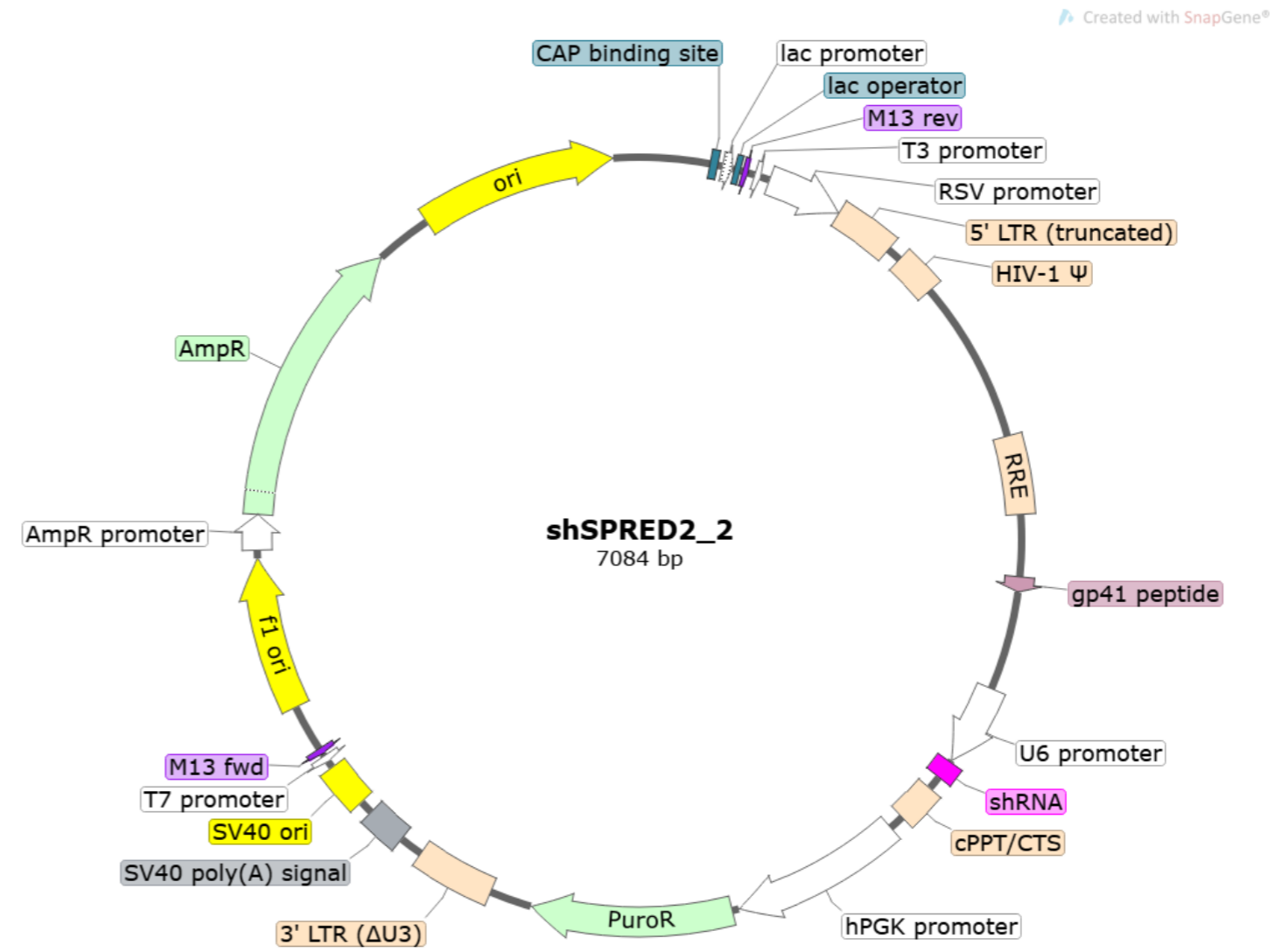
5'-
CCGGGCAATCGAAGACCTTATAGAACCTCGAGTTCTATAAGGTCTTCG
ATTGCTTTTTG -3'

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference



Construct number

3004

Date entered

12.12.22

Constructed by

Shinya Yamanaka

Date constructed

PLASMID NAME

pMXs-Sox2-IP

bacterial marker Amp

vertebrate marker Puromycin

parent vector pMXs-IP

bacterial plasmid

other relevant source constructs

Inserts

M. musculus Sox2 ORF. Retroviral expression plasmid to generate induced pluripotent cells.

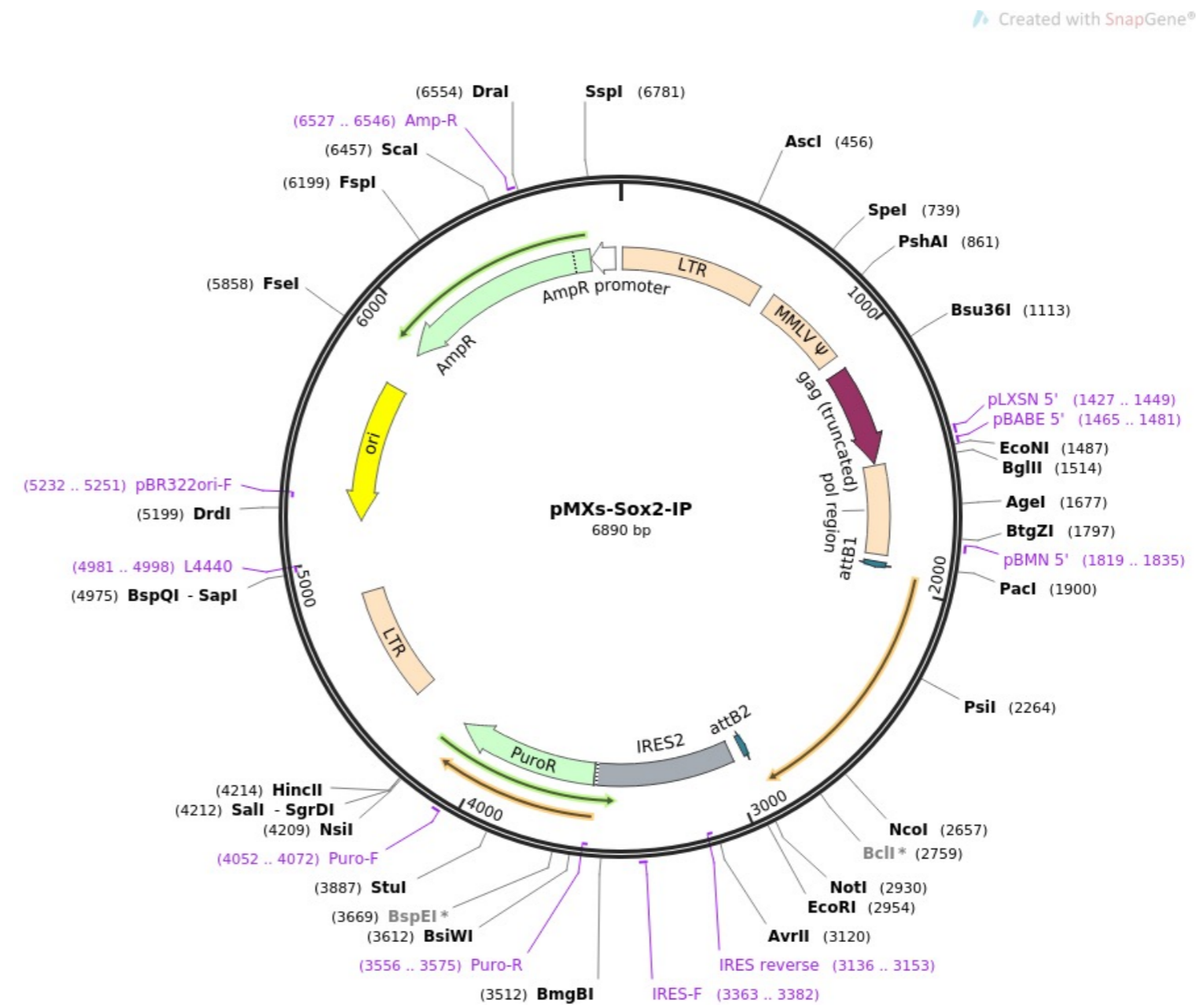
Reporter gene

Promoter, splice, PolyA

Comments Addgene (Plasmid #15919)

Reference

Induction of pluripotent stem cells from mouse embryonic and adult fibroblast cultures by defined factors. Takahashi K, Yamanaka S. Cell. 2006 Aug 25. 126(4):663-76. 10.1016/j.cell.2006.07.024 PubMed 16904174



Construct number

3005

Date entered

12.12.22

Constructed by

Shinya Yamanaka

Date constructed

PLASMID NAME

pMXs-Oct3/4-IP

bacterial marker

Amp

vertebrate marker

Puromycin

parent vector

pMXs-IP

bacterial plasmid

other relevant source constructs

Inserts

M. musculus (mouse) Oct3/4 ORF is inserted. Retroviral expression plasmid for generation of induced pluripotent cells.

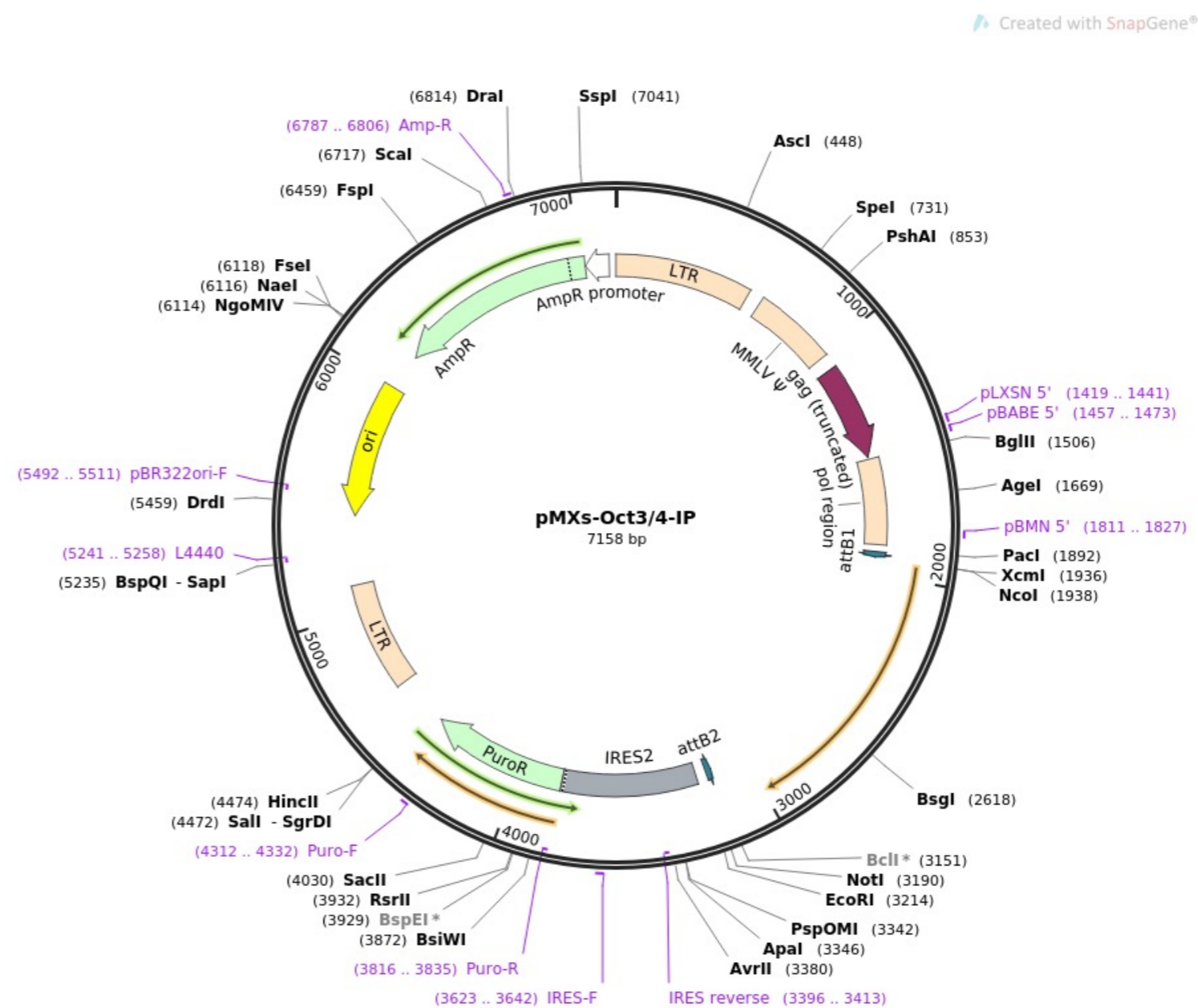
Reporter gene

Promoter, splice, PolyA

Comments Addgene (Plasmid #15918)

Reference

Induction of pluripotent stem cells from mouse embryonic and adult fibroblast cultures by defined factors. Takahashi K, Yamanaka S. Cell. 2006 Aug 25. 126(4):663-76. 10.1016/j.cell.2006.07.024 PubMed 16904174



Construct number 3006

Date entered 12.12.22

Constructed by Shinya Yamanaka

Date constructed

PLASMID NAME

pMXs-c-Myc-IP

Created with SnapGene®

<u>bacterial marker</u> Amp	<u>parent vector</u> pMXs-IP
<u>vertebrate marker</u> Puromycin	<u>bacterial plasmid</u>
<u>other relevant source constructs</u>	

<u>Inserts</u>	M. musculus (mouse) c-Myc oncogene ORF is inserted. Retroviral expression plasmid for generation of induced pluripotent cells.
<u>Reporter gene</u>	
<u>Promoter, splice, PolyA</u>	

Comments Addgene (Plasmid #15921)

Reference Induction of pluripotent stem cells from mouse embryonic and adult fibroblast cultures by defined factors. Takahashi K, Yamanaka S. Cell. 2006 Aug 25. 126(4):663-76. 10.1016/j.cell.2006.07.024 PubMed 16904174



Construct number 3007

Date entered 12.12.22

Constructed by Shinya Yamanaka

Date constructed

PLASMID NAME

pMXs-Klf4-IP

bacterial marker Amp

parent vector pMXs-IP

vertebrate marker Puromycin

bacterial plasmid

other relevant source constructs

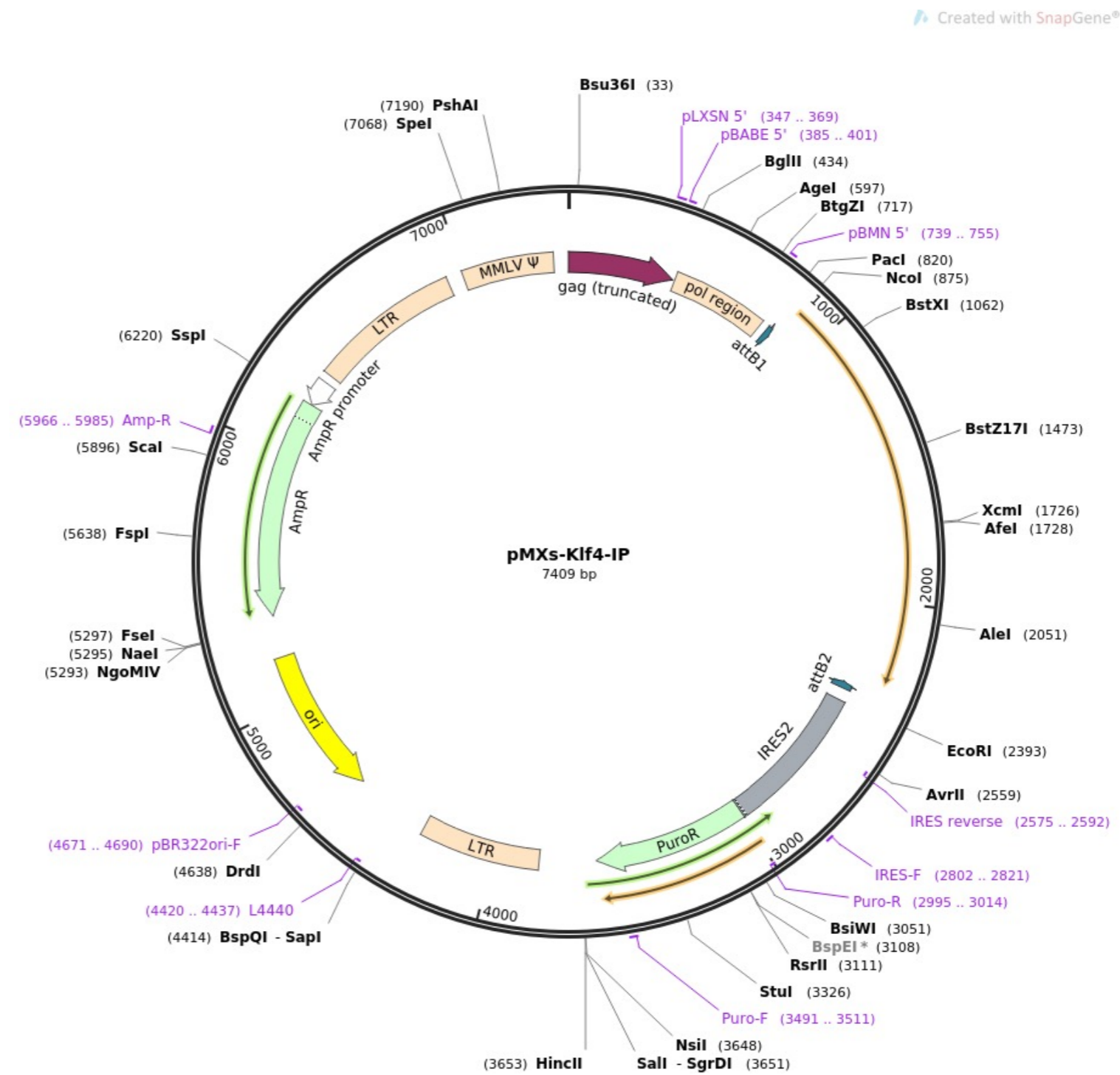
Inserts M. musculus (mouse) Klf4 ORF is inserted. Retroviral expression plasmid for the generation induced pluripotent cells.

Reporter gene

Promoter, splice, PolyA

Comments Addgene (Plasmid #15920)

Reference Induction of pluripotent stem cells from mouse embryonic and adult fibroblast cultures by defined factors. Takahashi K, Yamanaka S. Cell. 2006 Aug 25. 126(4):663-76. 10.1016/j.cell.2006.07.024 PubMed 16904174



Construct number
 Constructed by James Ellis

Date entered 12.12.22
 Date constructed

PLASMID NAME

PL-SIN-Nanog-EGFP

bacterial marker Amp	parent vector PL-SIN lentiviral vector
	bacterial plasmid
	other relevant source constructs

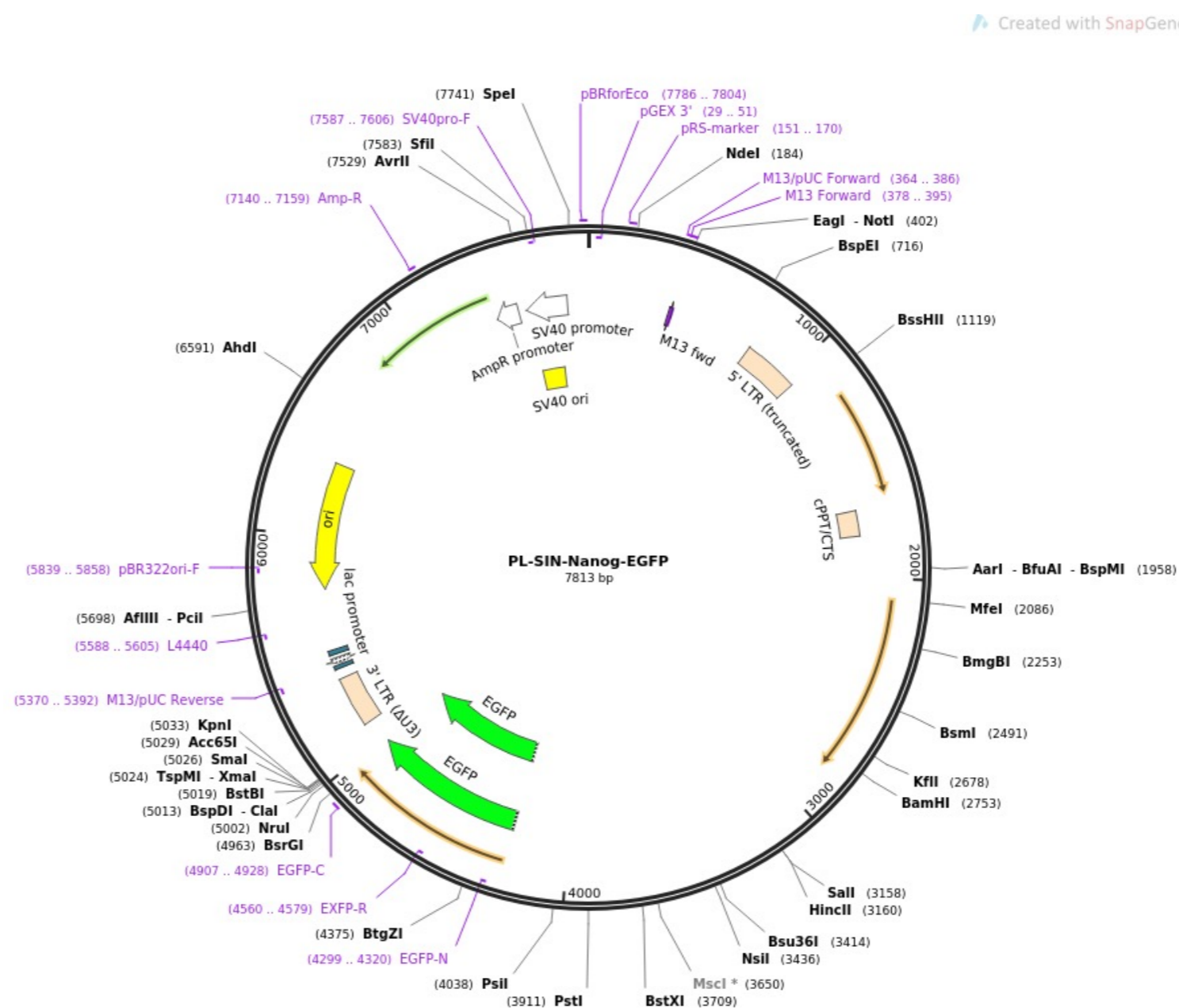
Inserts EGFP driven by Nanog promoter. PL-SIN lentiviral vector (Buzina et al., PLoS Genetics, 2008) requires Tat cDNA for lentivirus production, as well as other packaging cDNAs (Gag/pol, Rev, and VSV-G).

Reporter gene

Promoter, splice, PolyA

Comments Addgene (Plasmid #21321)

Reference Isolation of human iPS cells using EOS lentiviral vectors to select for pluripotency. Hotta A, Cheung AY, Farra N, Vijayaragavan K, Seguin CA, Draper JS, Pasceri P, Maksakova IA, Mager DL, Rossant J, Bhatia M, Ellis J. Nat Methods. 2009 May . 6(5):370-6. 10.1038/nmeth.1325 PubMed 19404254



Construct number

3009

Date entered

12.12.22

Constructed by

David Rubinsztein

Date constructed

PLASMID NAME

EGFP-aphasynuclein-WT

bacterial marker

Kan

parent vector

pEGFP-C1

vertebrate marker

Neo (G418)

bacterial plasmid

other relevant source constructs

Inserts

WT Alpha-synuclein fused with EGFP to perform aggregation assay in mammalian cells.

Reporter gene

GFP

Promoter,
splice,
PolyA

CMV

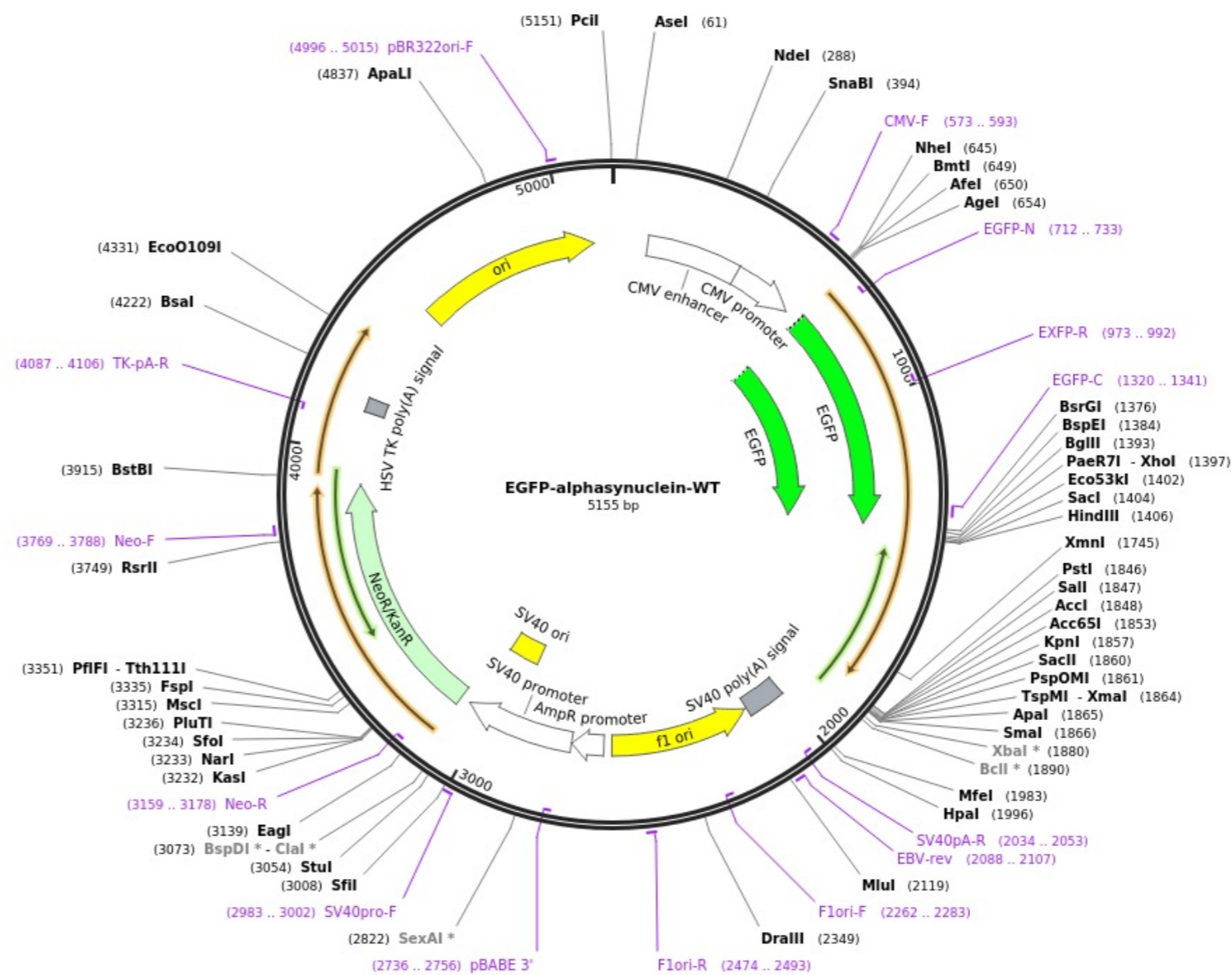
Comments Addgene (Plasmid #40822)

Please note that EcoRI is not a unique site. The alpha-synuclein insert contains an EcoRI site in the coding sequence.

Reference

Alpha-synuclein overexpression promotes aggregation of mutant huntingtin. Furlong RA, Narain Y, Rankin J, Wyttenbach A, Rubinsztein DC. Biochem J. 2000 Mar 15;346 Pt 3:577-81. 10.1042/0264-6021:3460577 PubMed 10698681

Created with SnapGene®



Construct number

3010

Date entered

12.12.22

Constructed by

David Rubinsztein

Date constructed

PLASMID NAME

EGFP- α synuclein-A53T

bacterial marker

Kan

parent vector

pEGFP-C1

vertebrate marker

Neo (G418)

bacterial plasmid

other relevant source constructs

Inserts

A53T α synuclein (aggregates more rapidly than the wild-type form when the recombinant proteins are 'aged' at 37 degree C) fused with EGFP to permorm the aggregation assay in mammalian cells.

Reporter gene

GFP

Promoter, splice, PolyA

CMV

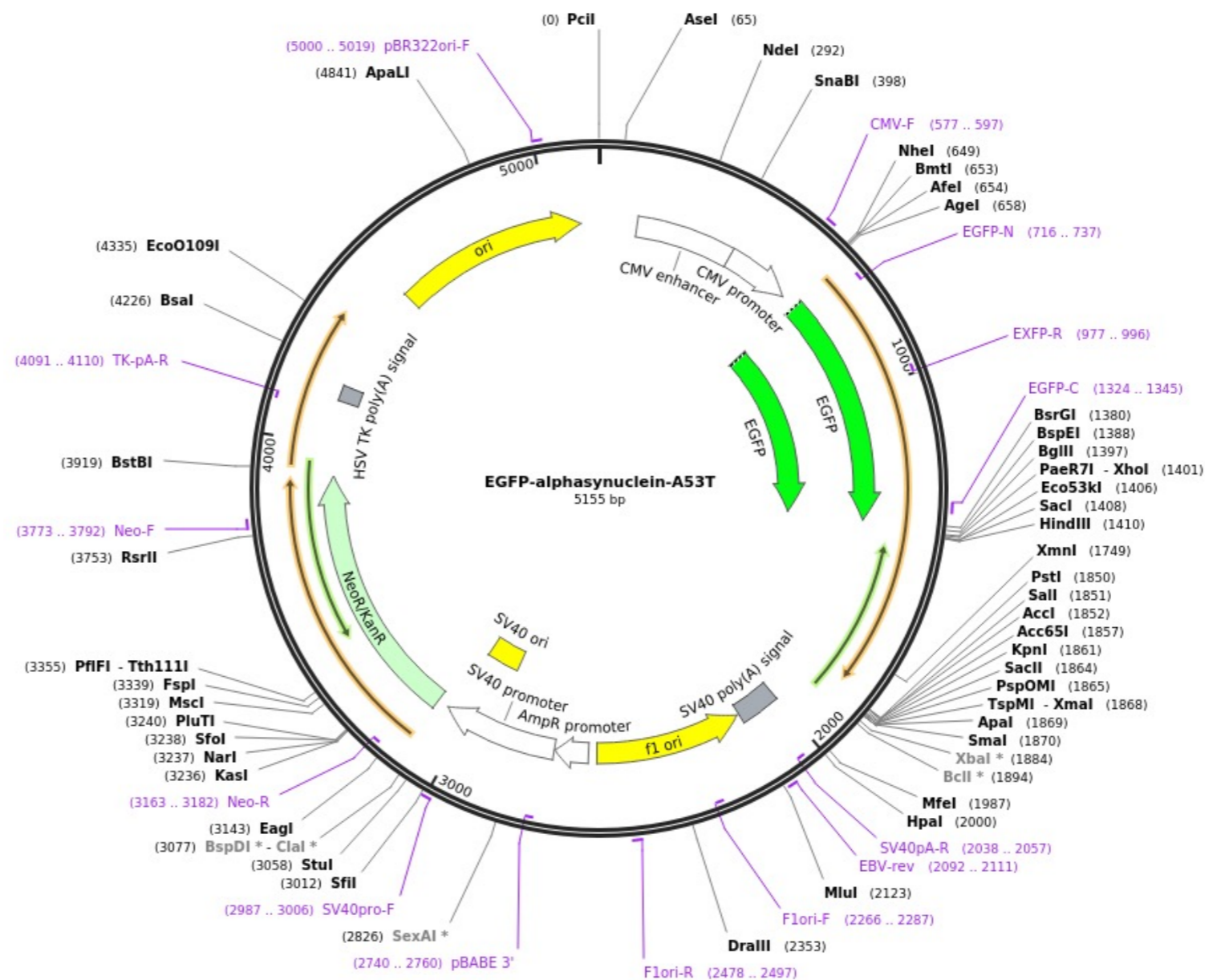
Comments

Addgene (Plasmid #40823)

Reference

Alpha-synuclein overexpression promotes aggregation of mutant huntingtin. Furlong RA, Narain Y, Rankin J, Wyttenbach A, Rubinsztein DC. Biochem J. 2000 Mar 15;346 Pt 3:577-81. 10.1042/0264-6021:3460577 PubMed 10698681

Created with SnapGene®



Construct number
 Constructed by Karen Ashe

Date entered 12.12.22
 Date constructed

PLASMID NAME

pRK5-EGFP-Tau

Created with SnapGene®

bacterial marker Amp	parent vector pRK5
	bacterial plasmid
other relevant source constructs	

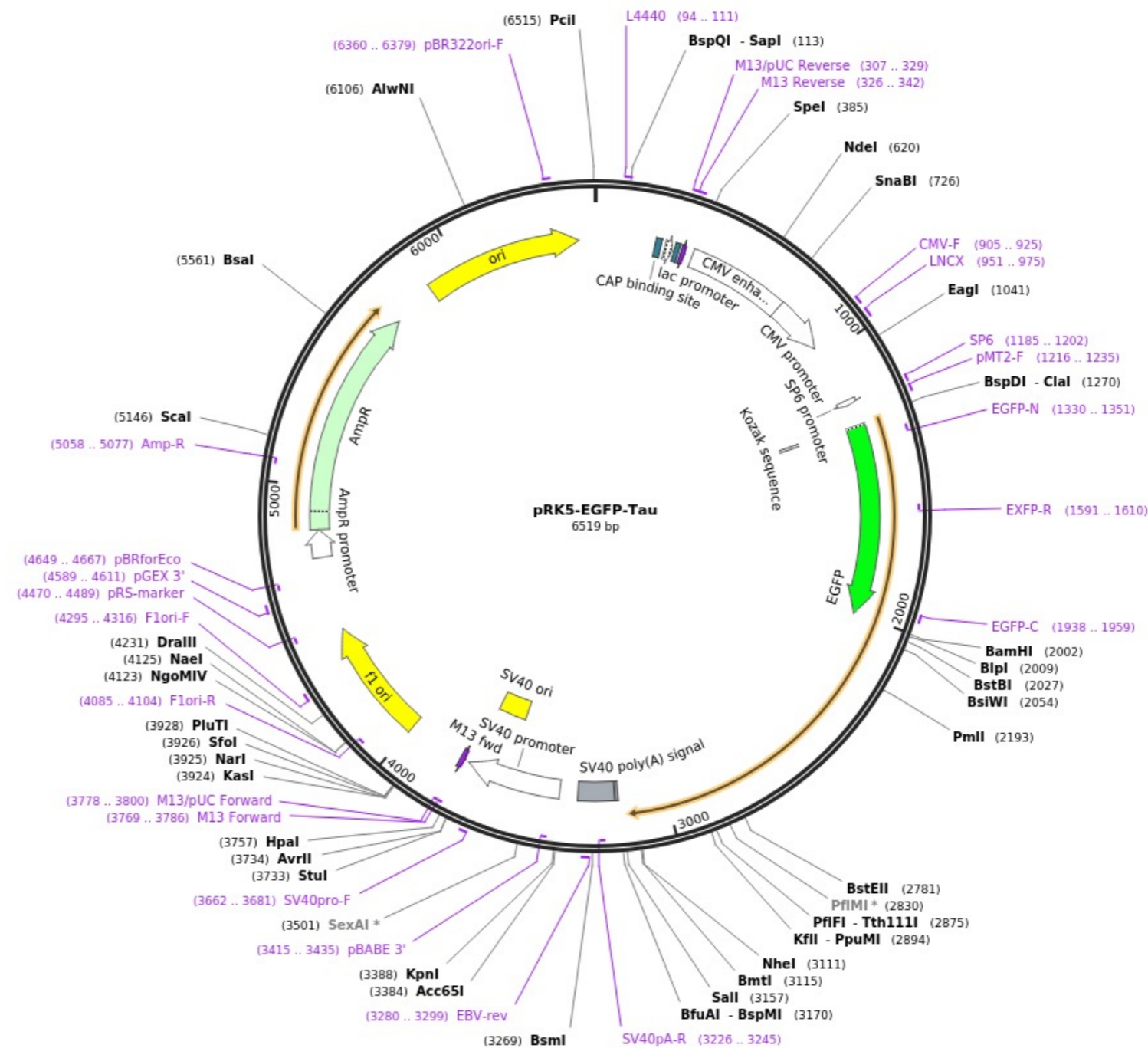
Inserts This WT htau construct contains human four-repeat tau lacking the N-terminal sequences (4R0N) and contains exons 1, 4 and 5, 7, and 9–13, intron 13, and exon 14. This plasmid expresses EGFP tagged WT Tau in mammalian cells.

Reporter gene

Promoter, splice, PolyA CMV

Comments Addgene (Plasmid #46904)

Reference Tau mislocalization to dendritic spines mediates synaptic dysfunction independently of neurodegeneration. Hoover BR, Reed MN, Su J, Penrod RD, Kotilinek LA, Grant MK, Pitstick R, Carlson GA, Lanier LM, Yuan LL, Ashe KH, Liao D. Neuron. 2010 Dec 22;68(6):1067-81. doi: 10.1016/j.neuron.2010.11.030. 10.1016/j.neuron.2010.11.030 PubMed 21172610



Construct number
 Constructed by Karen Ashe

Date entered 12.12.22
 Date constructed

PLASMID NAME

pRK5-EGFP-Tau AP P301L

bacterial marker Amp	parent vector pRK5
	bacterial plasmid
	other relevant source constructs

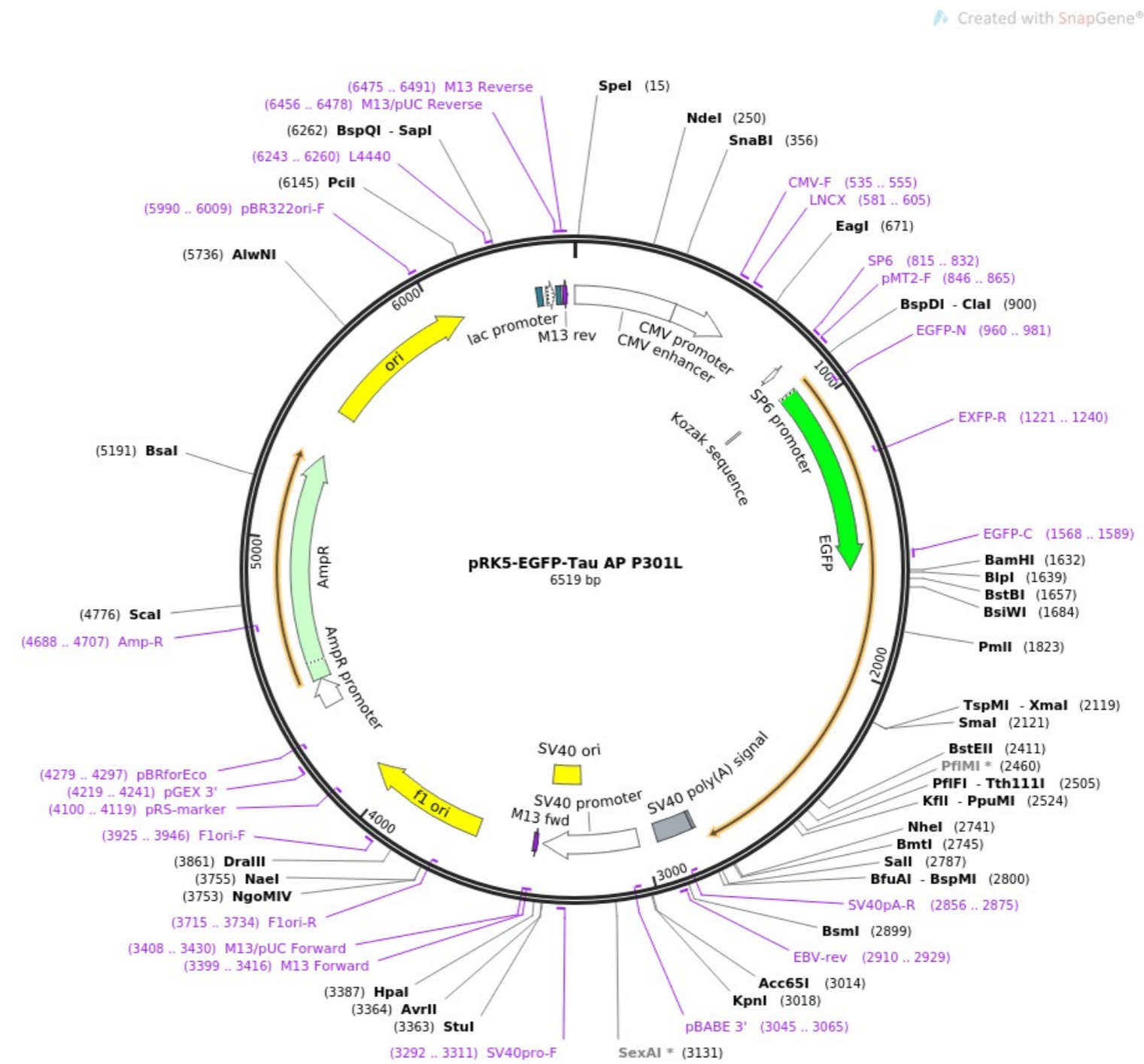
Inserts expresses EGFP tagged Tau AP P301L in mammalian cells. P301L AND all 14 S/P or T/P amino acid residues (T111, T153, T175, T181, S199, S202, T205, T212, T217, T231, S235, S396, S404, and S422; numbering based on the longest 441-amino acid brain isoform of tau) changed to alanine.

Reporter gene

Promoter, splice, PolyA CMV

Comments Addgene (Plasmid #46906)

Reference Tau mislocalization to dendritic spines mediates synaptic dysfunction independently of neurodegeneration. Hoover BR, Reed MN, Su J, Penrod RD, Kotilinek LA, Grant MK, Pitstick R, Carlson GA, Lanier LM, Yuan LL, Ashe KH, Liao D. Neuron. 2010 Dec 22;68(6):1067-81. doi: 10.1016/j.neuron.2010.11.030. 10.1016/j.neuron.2010.11.030 PubMed 21172610



Construct number

3013

Date entered

12.12.22

Constructed by

Diana and Kaushik

Date constructed

PLASMID NAME

pcDNA3.1 HOP Y354D-HA

bacterial marker Amp

vertebrate marker Neo (G418)

parent vector

pcDNA3.1 HOP Y354E-HA

bacterial plasmid

other relevant source constructs

Inserts

Human Hop ORF with the Y354D modification. C-terminal HA tag.

Reporter gene

Promoter, CMV
splice, bGH
PolyA

Comments

Reference

Construct number

3014

Date entered

12.12.22

Constructed by

Lilia and Kaushik

Date constructed

PLASMID NAME

pGL3-CMV.Luc 3' Hsp90beta UTR

bacterial marker Amp

parent vector
pGL3-CMV.Luc
bacterial plasmid

other relevant source constructs

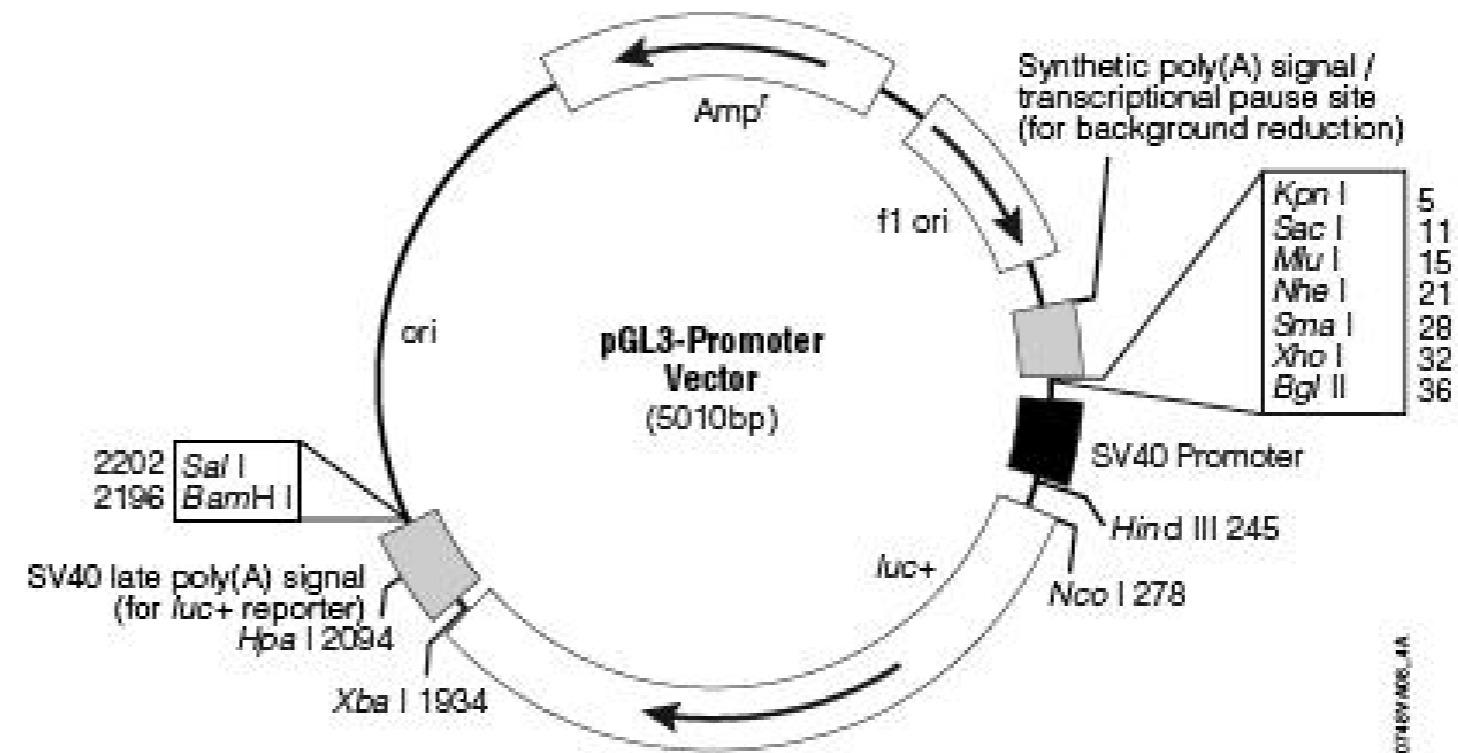
Inserts mouse Hsp90 beta (HSP90AB1) 3'-UTRs nucleotide sequences were inserted into XbaI site downstream of the firefly luciferase sequence.

Reporter gene luciferase

Promoter, splice, PolyA CMV promoter

Comments transcript ID ENSMUST00000024739.14

Reference Bhattacharya, K., Maiti, S., Zahoran, S., Weidenauer, L., Hany, D., Wider, D., Bernasconi, L., Quadroni, M., Collart, M., and Picard, D. (2022). Translational reprogramming in response to accumulating stressors ensures critical threshold levels of Hsp90 for mammalian life. Nat. Commun. 13, 6271



Construct number

3015

Date entered

12.12.22

Constructed by

Lilia and Kaushik

Date constructed

PLASMID NAME

pGL3-CMV.Luc 5' Hsp90beta UTR

bacterial marker Amp

parent vector
pGL3-CMV.Luc
bacterial plasmid

other relevant source constructs

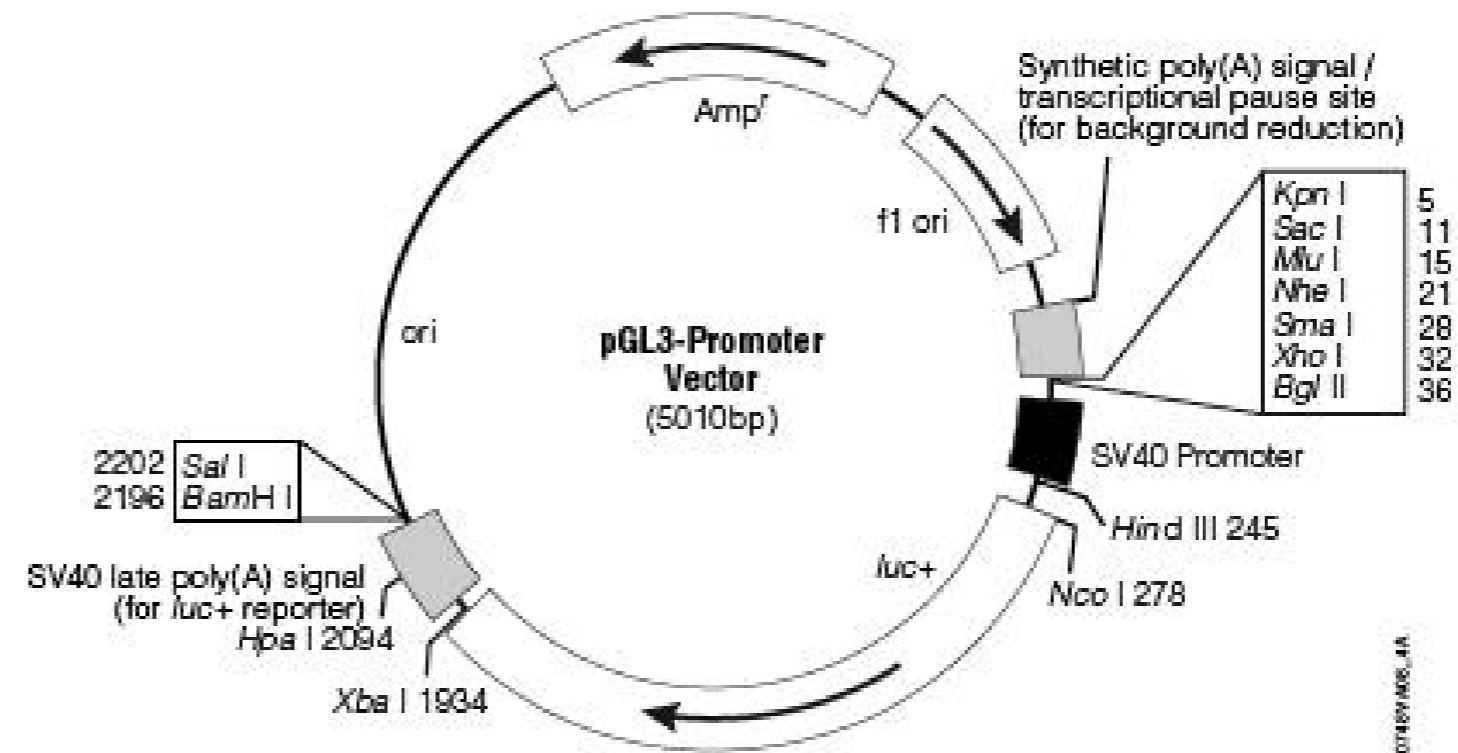
Inserts mouse Hsp90 beta (HSP90AB1) 5'-UTRs nucleotide sequences were inserted into NcoI site upstream of the firefly luciferase sequence.

Reporter gene luciferase

Promoter, splice, PolyA CMV promoter

Comments transcript ID ENSMUST00000024739.14

Reference Bhattacharya, K., Maiti, S., Zahoran, S., Weidenauer, L., Hany, D., Wider, D., Bernasconi, L., Quadroni, M., Collart, M., and Picard, D. (2022). Translational reprogramming in response to accumulating stressors ensures critical threshold levels of Hsp90 for mammalian life. Nat. Commun. 13, 6271



Construct number

3016

Date entered

12.12.22

Constructed by

Lilia and Kauhsik

Date constructed

PLASMID NAME

pGL3-CMV.Luc 3',5' Hsp90beta UTR

bacterial marker Amp

parent vector
pGL3-CMV.Luc
bacterial plasmid

other relevant source constructs

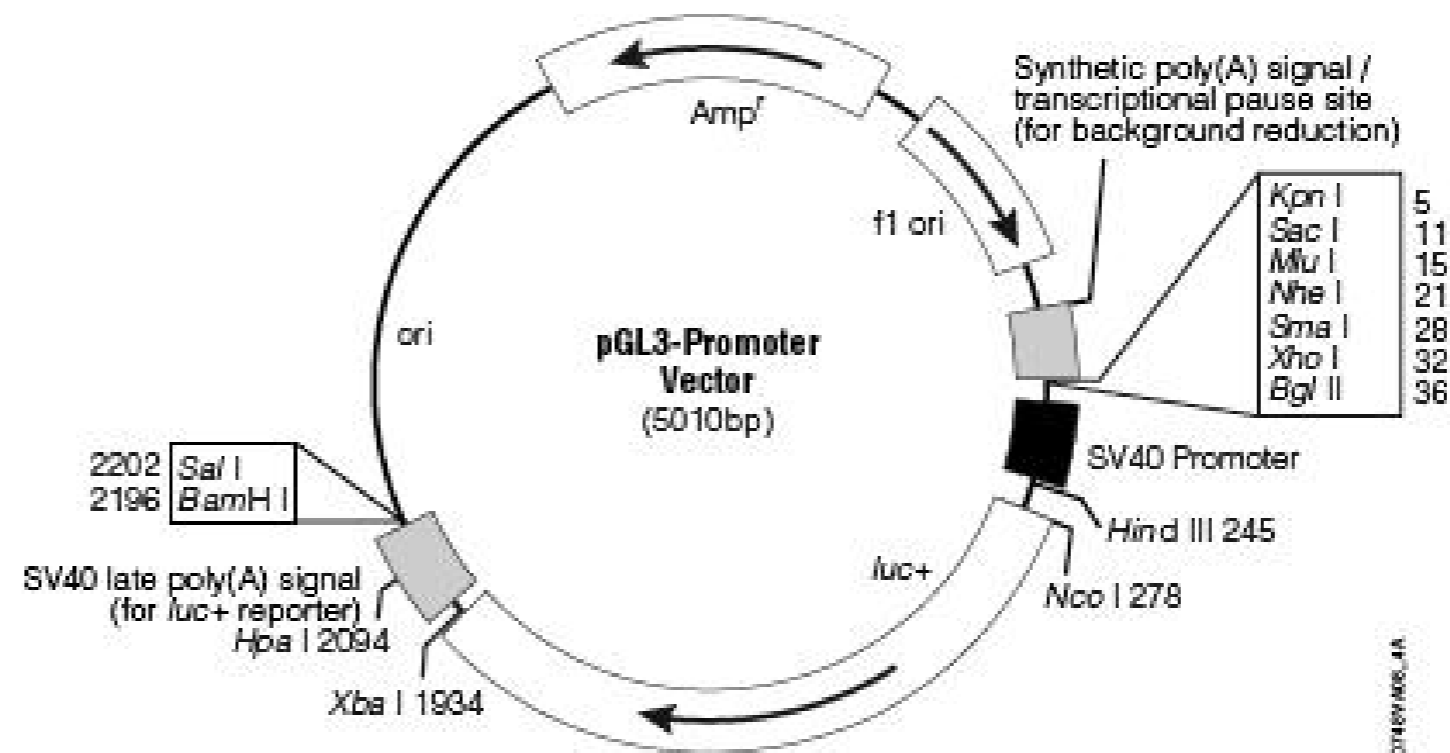
Inserts Mouse Hsp90 beta (Hsp90ab1) 5'- and 3'-UTRs nucleotide sequences were inserted into NcoI and XbaI sites, respectively, of plasmid pGL3-CMV.Luc.

Reporter gene luciferase

Promoter, splice, PolyA CMV promoter

Comments (transcript ID ENSMUST00000024739.14)

Reference Bhattacharya, K., Maiti, S., Zahoran, S., Weidenauer, L., Hany, D., Wider, D., Bernasconi, L., Quadroni, M., Collart, M., and Picard, D. (2022). Translational reprogramming in response to accumulating stressors ensures critical threshold levels of Hsp90 for mammalian life. Nat. Commun. 13, 6271



Construct number 3017

Date entered 12.12.22

Constructed by Nahum Sonenberg

Date constructed

PLASMID NAME

pcDNA3 RLUC POLIRES FLUC

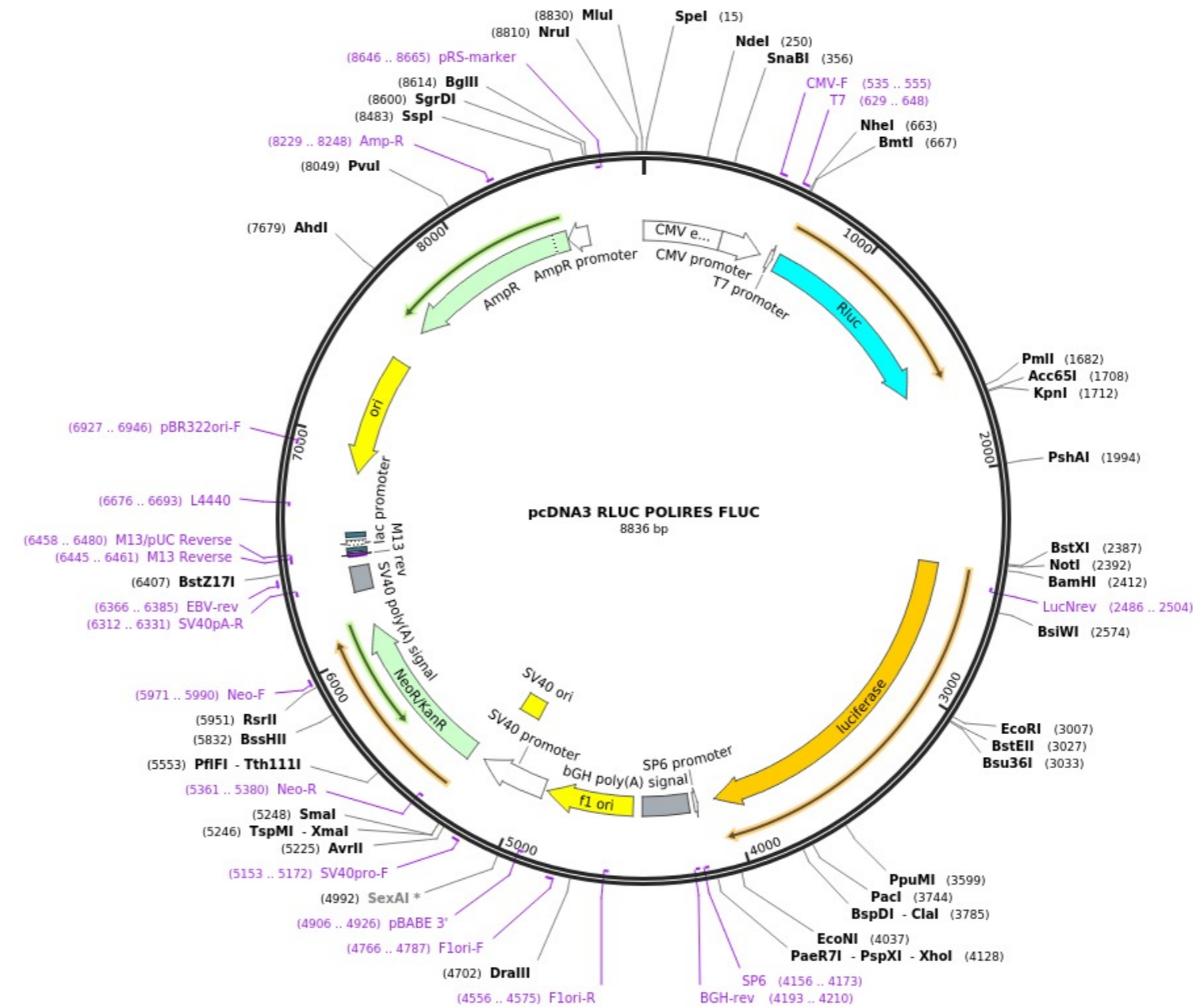
Created with SnapGene®

bacterial marker Amp	parent vector pcDNA3
vertebrate marker Neo (G418)	bacterial plasmid
other relevant source constructs	

Inserts	Bicistronic reporter plasmid expressing Renilla luciferase and firefly luciferase in mammalian cells. RLUC translation is driven by Cap dependent manner and FLUC translation is driven by poliovirus IRES sequence.
Reporter gene	
Promoter, splice, PolyA	CMV promoter

Comments Addgene (Plasmid #45642)

Reference 4E-BP3, a new member of the eukaryotic initiation factor 4E-binding protein family. Poulin F, Gingras AC, Olsen H, Chevalier S, Sonenberg N. J Biol Chem. 1998 May 29;273(22):14002-7. 10.1074/jbc.273.22.14002 PubMed 9593750



Construct number 3018

Date entered 12.12.22

Constructed by Lilia and Kaushik

Date constructed

PLASMID NAME

pcDNA3 RLUC 5'-UTR (mouse Hsp90 beta) FLUC

bacterial marker Amp	parent vector pcDNA3 RLUC POLIRES FLUC
	bacterial plasmid
	other relevant source constructs

Inserts 5'-UTR of mouse Hsp90ab1, 105 nucleotides immediately upstream of the translation start codon (transcript ID ENSMUST00000024739.14) was PCR-amplified using cDNA from 90αKO 90βHET mouse brain as a template and cloned between HindIII and BamHI sites of plasmid pcDNA3 RLUC POLIRES FLUC such that the Polio IRES sequence was excised.

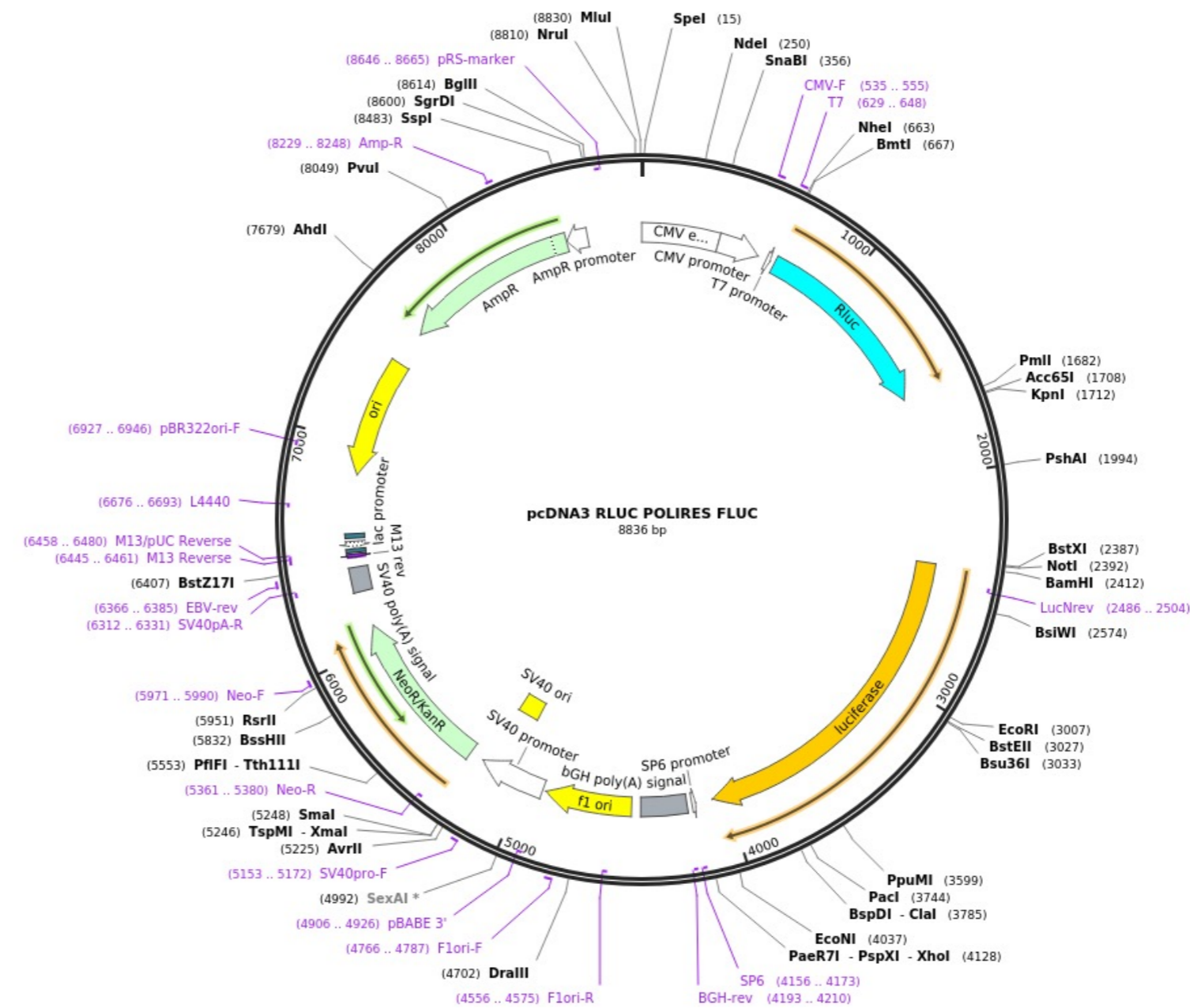
Reporter gene

Promoter, splice, PolyA CMV

Comments

Reference Bhattacharya, K., Maiti, S., Zahoran, S., Weidenauer, L., Hany, D., Wider, D., Bernasconi, L., Quadroni, M., Collart, M., and Picard, D. (2022). Translational reprogramming in response to accumulating stressors ensures critical threshold levels of Hsp90 for mammalian life. Nat. Commun. 13, 6271

Created with SnapGene®



Construct number 3019

Date entered 12.12.22

Constructed by Lilia and Kaushik

Date constructed

PLASMID NAME

pcDNA3 RLUC 5'-UTR (human Hsp90 beta) FLUC

Created with SnapGene®

bacterial marker Amp	parent vector pcDNA3 RLUC POLIRES FLUC
	bacterial plasmid
	other relevant source constructs

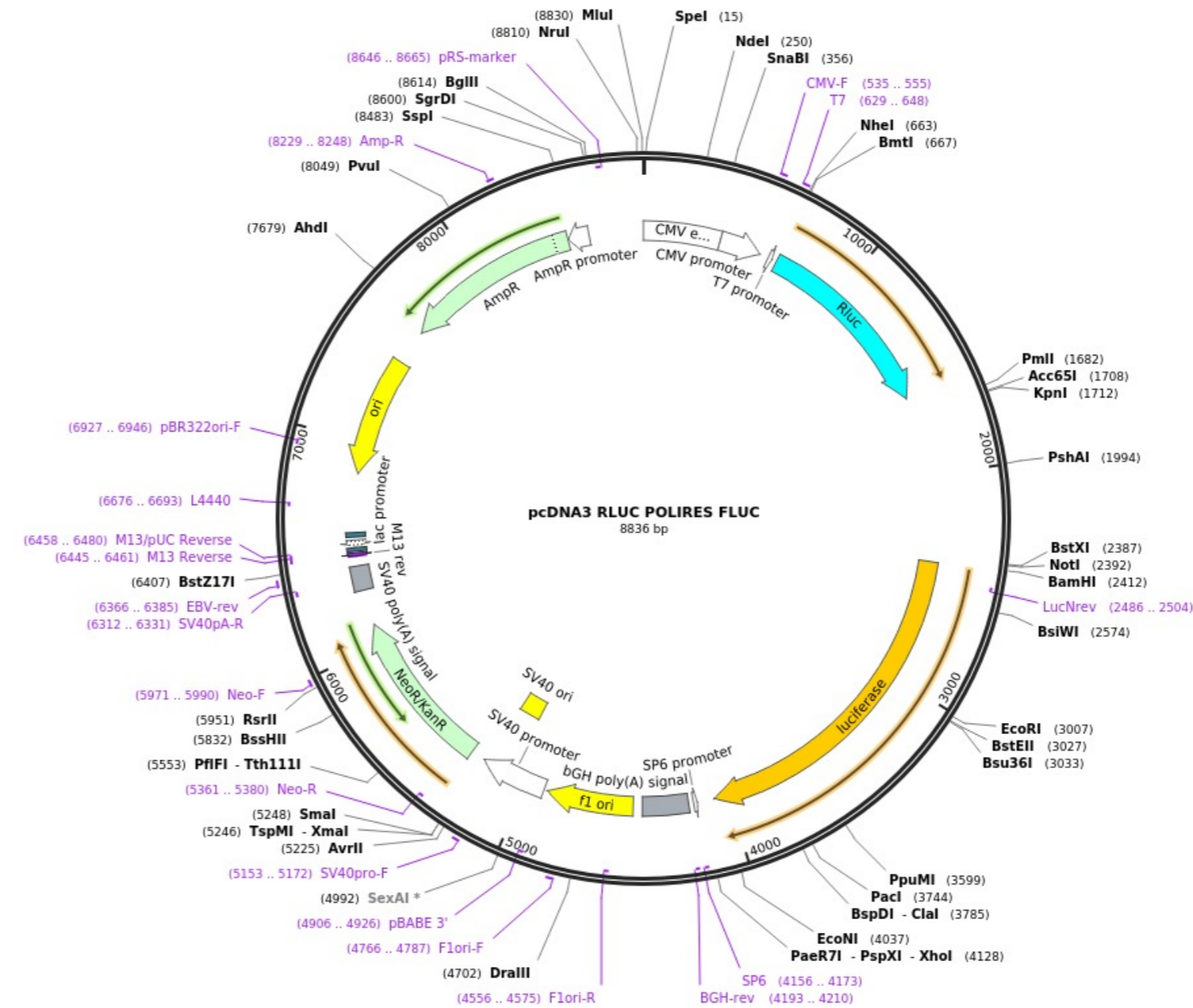
Inserts The 5'-UTR of human HSP90AB1 (214 nucleotides immediately upstream of the start codon of transcript ENST00000371554.2) was PCR-amplified using cDNA from 90αKO 90βHET mouse brain as a template and cloned between HindIII and BamHI sites of plasmid pcDNA3 RLUC POLIRES FLUC such that the Polio IRES sequence was excised.

Reporter gene

Promoter, splice, PolyA CMV

Comments

Reference Bhattacharya, K., Maiti, S., Zahoran, S., Weidenauer, L., Hany, D., Wider, D., Bernasconi, L., Quadroni, M., Collart, M., and Picard, D. (2022). Translational reprogramming in response to accumulating stressors ensures critical threshold levels of Hsp90 for mammalian life. Nat. Commun. 13, 6271



Construct number

3020

Date entered

6.2.23

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

3021

Date entered

6.4.23

Constructed by

Samarpan Maiti

Date constructed

2022

PLASMID NAME

shHSF1-1

bacterial marker Amp

vertebrate marker Puromycin

parent vector

Px458

bacterial plasmid

other relevant source constructs

Inserts

Targeting the 3UTR of Hsf1

HSF1 shRNA 3UTR forward

5'-CCG GGC AGG TTG TTC ATA GTC AGA ACT CGA GTT CTG ACT ATG
AAC AAC CTG CTT TTT G-3'

HSF1 shRNA 3UTR reverse

5'-AAT TCA AAA AGC AGG TTG TTC ATA GTC AGA ACT CGA GTT CTG ACT
ATG AAC AAC CTG C-3'

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference Maiti et al. (2023). eLife 12, RP88658.

Construct number

3022

Date entered

6.4.23

Constructed by

Date constructed

PLASMID NAME

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

3023

Date entered

6.4.23

Constructed by

Samarpan Maiti

Date constructed

2022

PLASMID NAME

sh-HSF1-2

bacterial marker

Amp

Puromycin

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Targeting the CDS of Hsf1

HSF1 shRNA CDS forward

5'-CCG GCC AGC AAC AGA AAG TCG TCA ACT CGA GTT GAC GAC TTT
CTG TTG CTG GTT TTT G-3'

HSF1 shRNA CDS reverse

5'-AAT TCA AAA ACC AGC AAC AGA AAG TCG TCA ACT CGA GTT GAC
GAC TTT CTG TTG CTG G-3'

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Maiti et al. (2023). eLife 12, RP88658.

DIDIER PICARD LAB, University of Geneva

Construct number

Date entered 28.4.23

Constructed by

Date constructed

PLASMID NAME

3xflag-GPR30

alternative name

F-GPER1

bacterial marker Amp

parent vector

pcDNA 3.1

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments double entry, original is DP-Plasmid #2013

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

3025

Date entered

28.4.23

Constructed by

Maryam Ahmadian Elmi

Date constructed

PLASMID NAME

3x-flag-GPR30-APEX2

alternative name

F-GPER1-APEX2

bacterial marker

Amp

parent vector

pcDNA 3.1

bacterial plasmid

other relevant source constructs

F-APEX2-NES, F-GPER1

Inserts

3xFLAG-tagged GPER1 fused to APEX2

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments

Linker between GPER1 and APEX2: the oligo GGATCCGGTGAAGTTCTGGCGGTTCAAGT was used for the PCR to introduce the linker peptide GGSSGGSS,

Reference

Ahmadian Elmi, M., Motamed, N., and Picard, D. (2023). Cells 12, 2571.

Construct number

3026

Date entered

28.4.23

Constructed by

Alice Ting lab

Date constructed

PLASMID NAME

APEX2-NES

alternative name

F-APEX2-NES

bacterial marker

Amp

parent vector

pcDNA3

bacterial plasmid

other relevant source constructs

Inserts

Flag-tagged APEX2 with C-terminal NES

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments

- obtained from Addgene as plasmid #49386

Reference

Lam et al Nat Methods. 2014 Nov 24. doi: 10.1038/nmeth.3179

Construct number

3027

Date entered

28.4.23

Constructed by

Alice Ting lab

Date constructed

PLASMID NAME

APEX2-NLS

alternative name

V5-APEX2-NLS

bacterial marker

Amp

parent vector

pcDNA3

bacterial plasmid

other relevant source constructs

Inserts

V5-tagged APEX2 with C-terminal NLS

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments

- from Addgene as plasmid #124617

Reference

Kaewsapsak et al Elife. 2017 Dec 14;6. doi: 10.7554/eLife.29224

Construct number

3028

Date entered

28.4.23

Constructed by

Date constructed

PLASMID NAME

flag-PGRMC1

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

3029

Date entered

28.4.23

Constructed by

Date constructed

PLASMID NAME

mcherry-STIM1

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

Date entered 28.4.23

Constructed by

Date constructed

PLASMID NAME

Orai1

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

3031

Date entered

28.4.23

Constructed by

Date constructed

PLASMID NAME

β2AR-APEX

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

3032

Date entered

28.4.23

Constructed by

Date constructed

PLASMID NAME

390-STOP-STIM1

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

3033

Date entered

28.4.23

Constructed by

Date constructed

PLASMID NAME

478-STOP-STIM1

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

3034

Date entered

28.4.23

Constructed by

Date constructed

PLASMID NAME

flag-IKIP1

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

3035

Date entered

28.4.23

Constructed by

Date constructed

PLASMID NAME

myc-CLPTM1

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

3036

Date entered

28.4.23

Constructed by

Date constructed

PLASMID NAME

hsyn-CLPTM1

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

3037

Date entered

28.4.23

Constructed by

Date constructed

PLASMID NAME

hsyn-scramble

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

3038

Date entered

28.4.23

Constructed by

Date constructed

PLASMID NAME

hsyn-shCLPTM1

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

3039

Date entered

28.4.23

Constructed by

Maryam Ahmadian Elmi

Date constructed

PLASMID NAME

1xHA-GPR30

alternative name

HA-GPER1

bacterial marker

Amp

parent vector

pcDNA3.1+

bacterial plasmid

other relevant source constructs

3xFLAG-GPER1

Inserts

HA tagged GPER1

Reporter gene

Promoter,
splice,
PolyA

CMV

Comments

Reference

Ahmadian Elmi, M., Motamed, N., and Picard, D. (2023). Cells 12, 2571.

DIDIER PICARD LAB, University of Geneva

Construct number

3040

Date entered

28.4.23

Constructed by

Maryam Ahmadian Elmi

Date constructed

PLASMID NAME

1x-HA-GPR30-APEX2

bacterial marker Amp

parent vector

pcDNA3

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA CMV

Comments see plasmid F-GPER1-APEX2 for details other than the tag

Reference

Construct number

3041

Date entered

28.4.23

Constructed by

Date constructed

PLASMID NAME

Gs(short)-CASE

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

3042

Date entered

28.4.23

Constructed by

Date constructed

PLASMID NAME

PMCA4b-EGFP

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

3043

Date entered

28.4.23

Constructed by

Date constructed

PLASMID NAME

flag-PSD-95

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

3044

Date entered

28.4.23

Constructed by

Date constructed

PLASMID NAME

Rac1-CLUC

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

3045

Date entered

28.4.23

Constructed by

Date constructed

PLASMID NAME

flag-PRKCSH-wt

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

3046

Date entered

28.4.23

Constructed by

Date constructed

PLASMID NAME

PR-ΔG2B

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

3047

Date entered

28.4.23

Constructed by

Date constructed

PLASMID NAME

PRK-MRH

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

3048

Date entered

28.4.23

Constructed by

Date constructed

PLASMID NAME

PRK-ΔS/G2B

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

3049

Date entered

28.4.23

Constructed by

Date constructed

PLASMID NAME

PRK-ΔMRH

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

3050

Date entered

28.4.23

Constructed by

Date constructed

PLASMID NAME

3xFLAG-GPR30

lentiviral

bacterial marker

parent vector

pljm1

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

3051

Date entered

28.4.23

Constructed by

Date constructed

PLASMID NAME

1xflag-GPR30

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

DIDIER PICARD LAB, University of Geneva

Construct number

3052

Date entered

28.4.23

Constructed by

Maryam Ahmadian Elmi

Date constructed

PLASMID NAME

3x-flag-GPR30-APEX2

bacterial marker

parent vector

pljm1

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments lentiviral vector

Reference

Construct number

3054

Date entered

28.4.23

Constructed by

Date constructed

PLASMID NAME

IKIP1-mut

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

3055

Date entered

28.4.23

Constructed by

Date constructed

PLASMID NAME

IKIP3

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference

Construct number

3056

Date entered

28.4.23

Constructed by

Date constructed

PLASMID NAME

psport6-CLPTM1

bacterial marker

parent vector

bacterial plasmid

other relevant source constructs

Inserts

Reporter gene

Promoter,
splice,
PolyA

Comments

Reference