

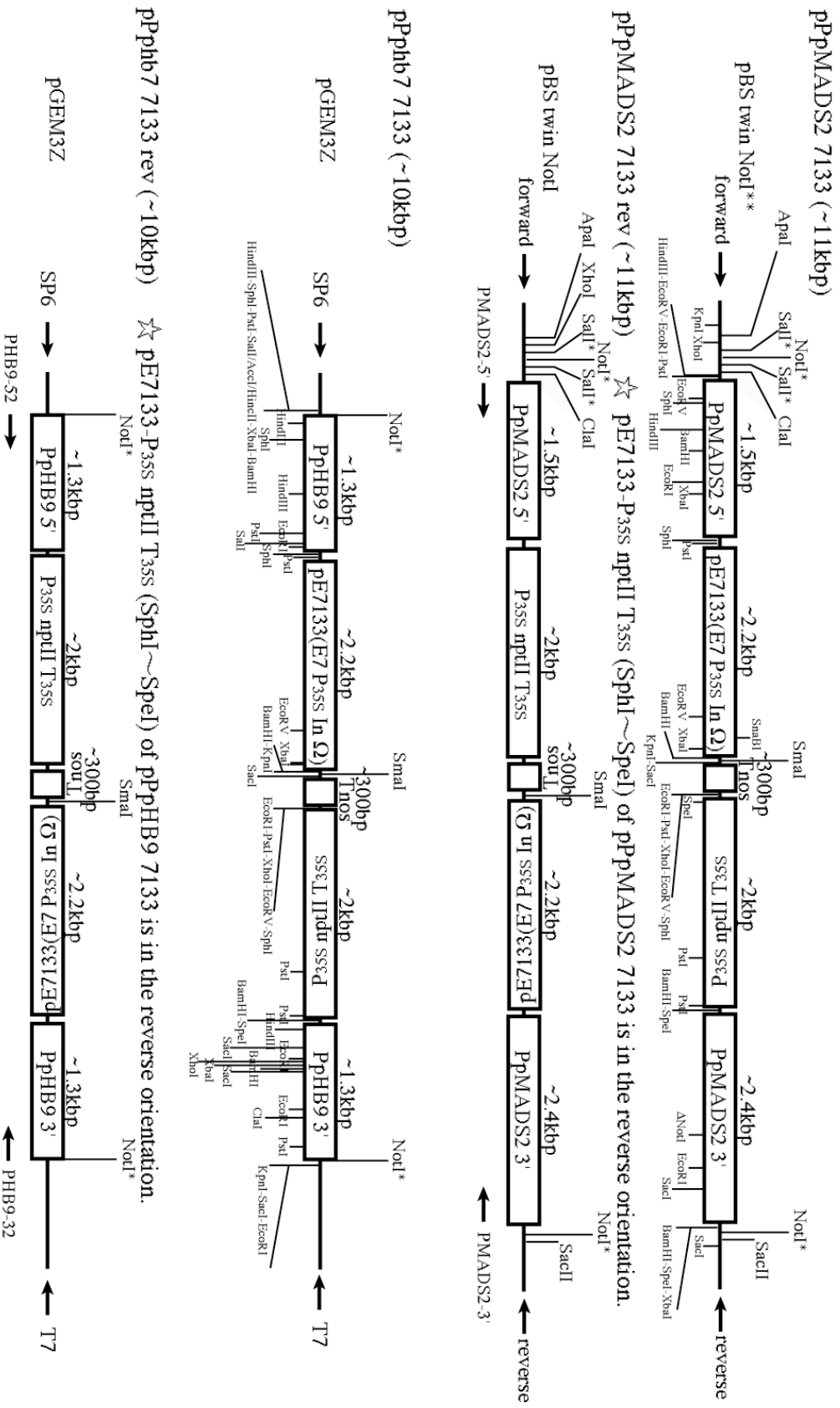
Overexpression vectors

No	Name	Promoter	marker	Target site	Comment & references
1	pPpMAD2 7133	E7133	nptII	PpMAD2	
2	pPpMAD2 7133 rev	E7133	nptII	PpMAD2	
3	pPphb7 7133	E7133	nptII	Pphb7	
4	pPphb7 7133 rev	E7133	nptII	Pphb7	
5	pTFH9119	Actin	nptII	PpMAD2	
6	pPpMAD2 Actin rev	Actin	nptII	PpMAD2	
7	pTFH15.3	Actin	nptII	Pphb7	
8	pZAG1	Actin	zeocin	213 locus	GFP-fusion
9	pMAK1	7133	zeocin	213 locus	
10	pCMAK1	7133	zeocin	213 locus	
11	pTFH38.9N	CaMV35S	zeocin	213 locus	mRFP-fusion
12	pTFH38.9C	CaMV35S	zeocin	213 locus	mRFP-fusion
13	pKS2	Actin	NptII		GFP-fusion
14	pActN-GFP	Actin	NptII		GFP-fusion
15	pTFH22.4	Actin	NptII GFP		
16	pTFH38.6N	CaMV35S	None		mRFP-fusion, Transient expression
17	pTFH38.6C	CaMV35S	None		mRFP-fusion, Transient expression
18	pTKM1	Actin	None		Transient expression

Restriction sites indicated above the construct have a unique restriction site, indicated under the construct have multiple sites.

* Not unique but does not cut the insert.

(Revised by T.Fujita 12/1/01)

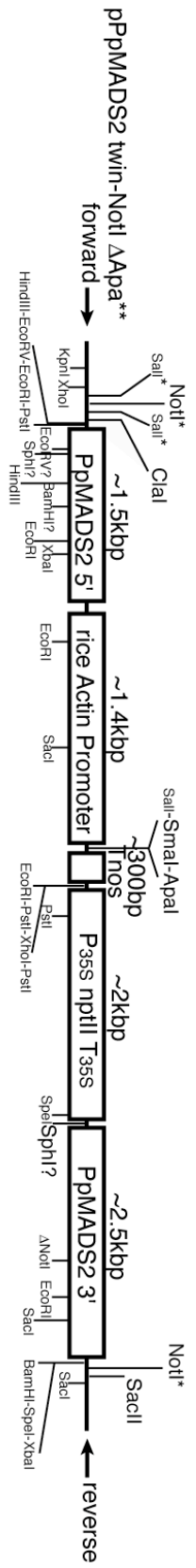


No. 1, 2, 3, and 4. pPpMAD2 7133, pPpMAD2 7133 rev, pPphb7 7133, and pPphb7 7133 rev.

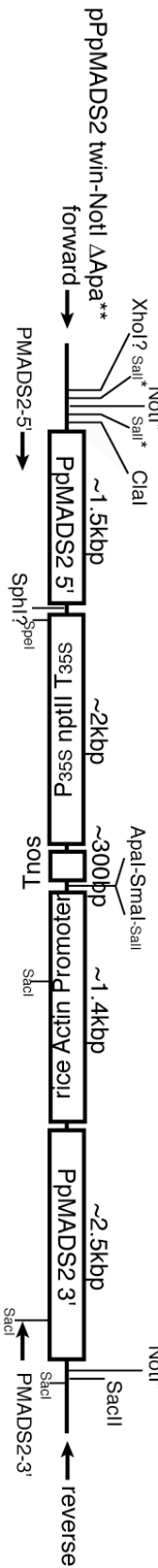
Restriction sites with a single recognition site are written with a large font, while restriction sites with multiple recognition sites are written small.

* Not unique but does not the insert

PTFH9119 (#6)
= pPpMADS2 Actin (~10.7kbp)



pPpMADS2 Actin rev (~10.7kbp) PAct-P35S nptII T35S is in the reverse orientation



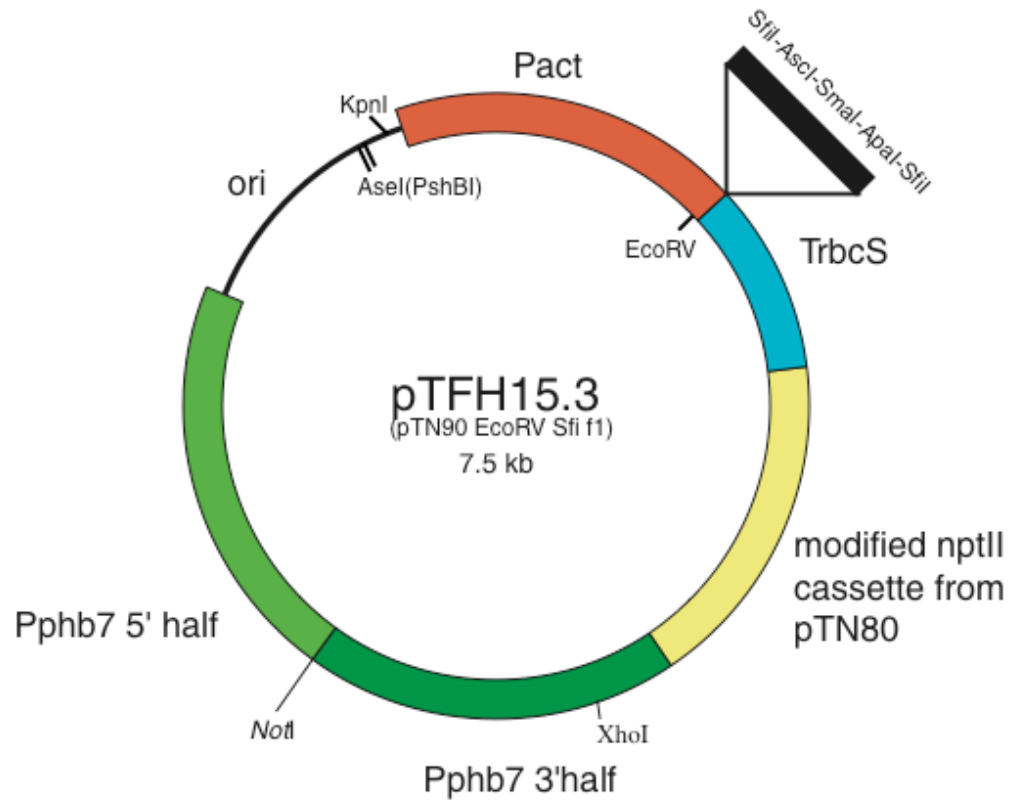
TFH#9-1(16), #9-1(19)
last modified on 1/22/01
translated 10/2/03

No. 5 and 6. pTFH9119 and pPpMAD2 Actin rev

No. 7. pTFH15.3

TFH#15-3(8)

5/30/01



* pTFH15.3r = pTN90 EcoRV Sfi r1, opposite direction of the linker

EcoRV SfiI AscI SmaI ApaI SfiI
aaGATATCGGCCATTCAGGCCGGCGCCACCCGGGAGGGCCCGGCCGATTTGGCCatca

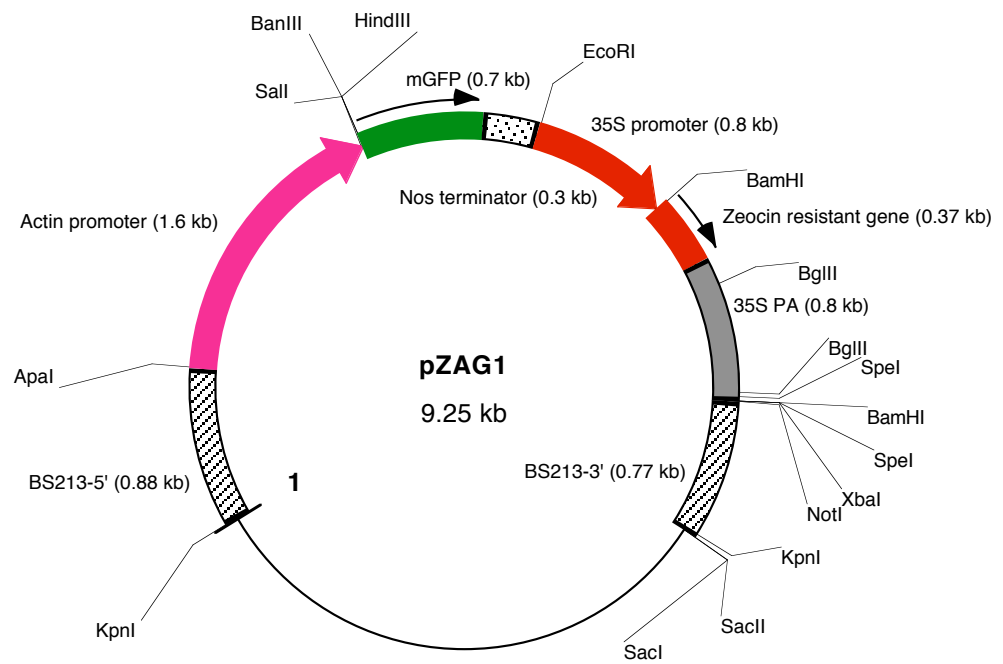
No cut-- SpeI, BsmI, MluI, PmaCI, PmeI,

1 cut -- SacII, Sse8387I, RsrII, NruI, BssII, BstEII, KpnI, SmaI, AscI, ApaI, XhoI

more than 2 cut -- SgrAI

TFH#15-4(1), #15-4(5), #15-3(2), #22-1(1)

No. 8. pZAG1



Plasmid name:pZAG1

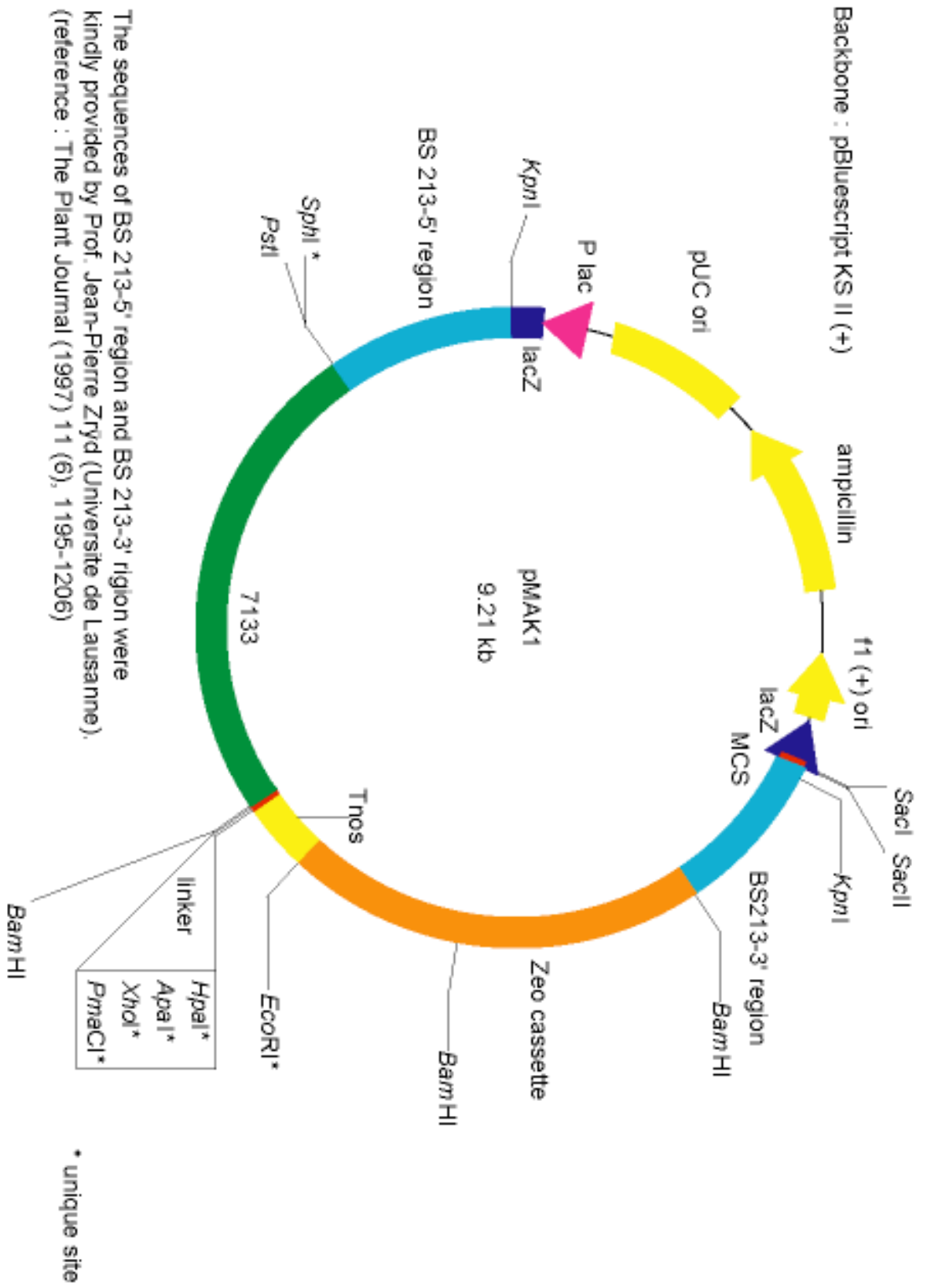
Plasmid size:9.25 kb

Constructed by:Yuji Hiwatashi

Construction date:12 Feb., 2003

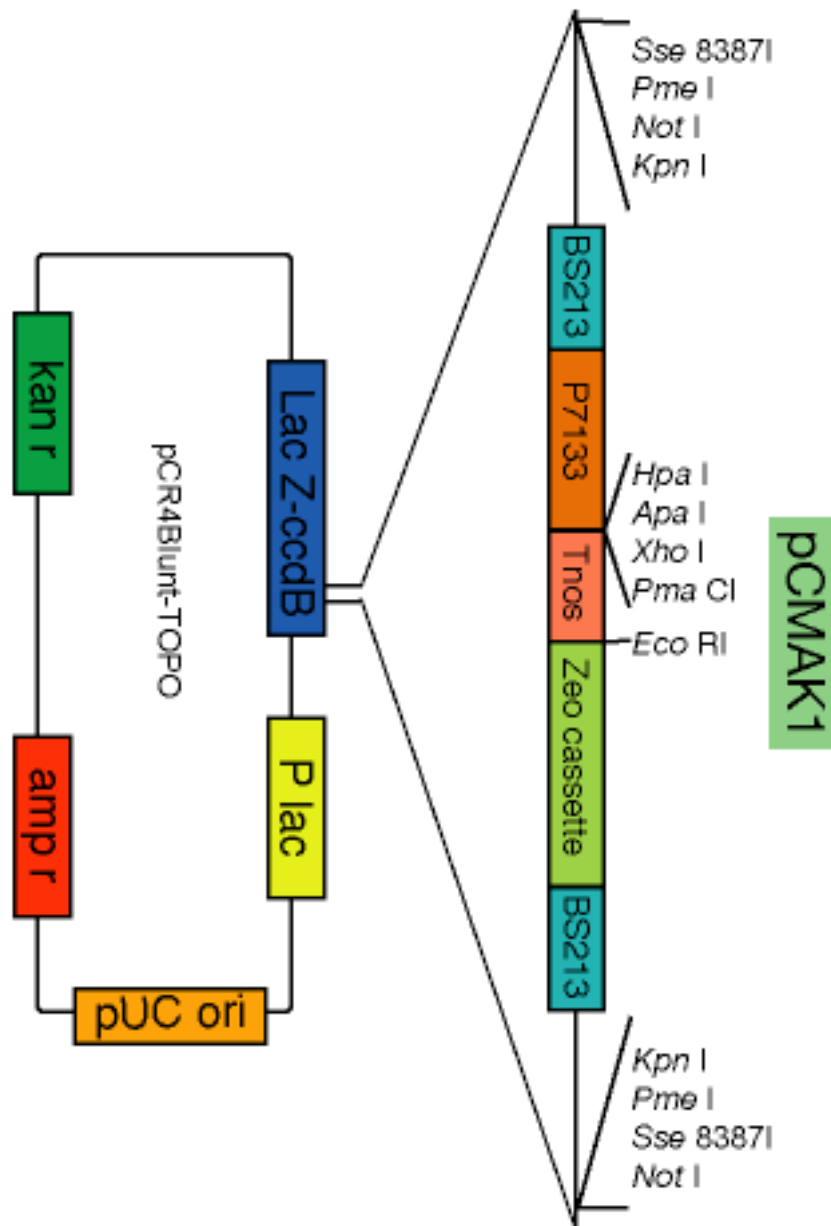
Comment&Reference:mGFP (start codon: ATG->TTG) expression vector under control of rice actin promoter, zeocin resistant, pBluescriptKSII. BS213 fragments are used as a platform for integration.

No.9. pMAK1

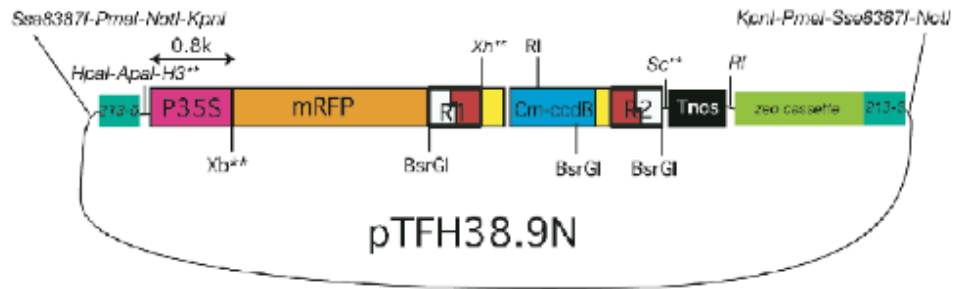


The sequences of BS 213-5' region and BS 213-3' region were kindly provided by Prof. Jean-Pierre Zryd (Université de Lausanne). (reference : The Plant Journal (1997) 11 (6), 1195-1206)

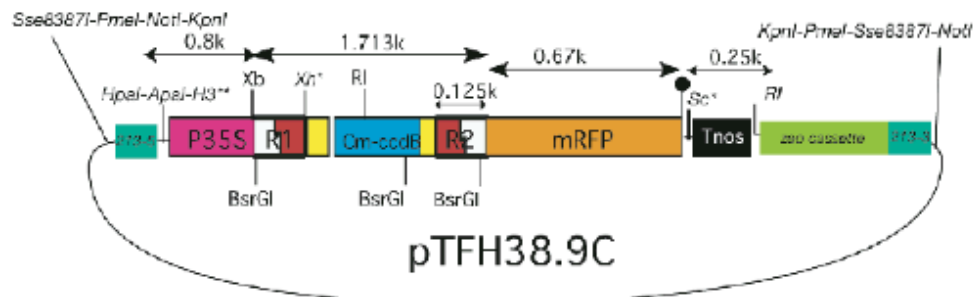
No. 10. pCMAK1



No. 11 and 12. pTFH38.9N and pTFH38.9C.



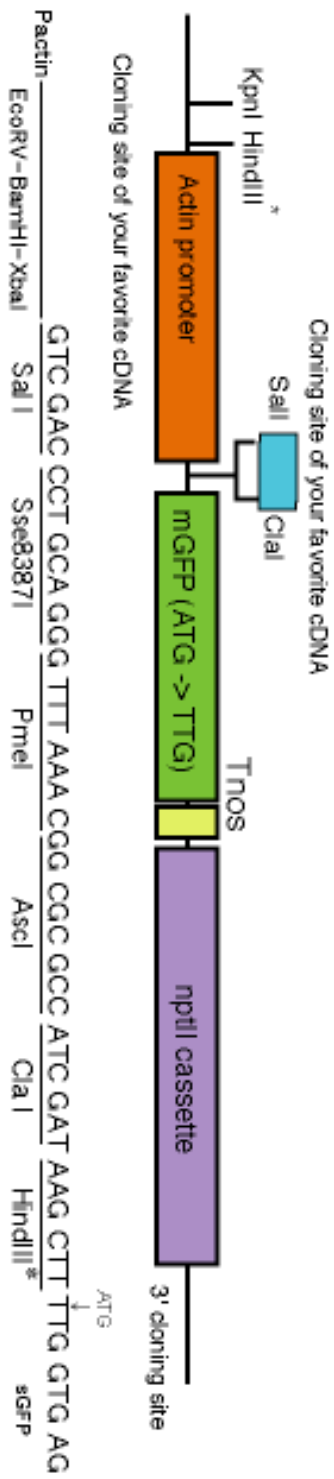
P35S-mRFP-gateway cassette-Tnos in pTFH38.6N was partially cut by H3-RI, then inserted into H3-RI of pCMAK2 (Km and Amp, and Cm res). Gateway A cassette is used.



P35S-gateway cassette-mRFP-Tnos in pTFH38.6C was partially cut by H3-RI, then inserted into H3-RI of pCMAK2 (Km and Amp, and Cm res). Gateway B cassette is used.

No. 13 and 14. pKS2 and pAcIN-GFP.

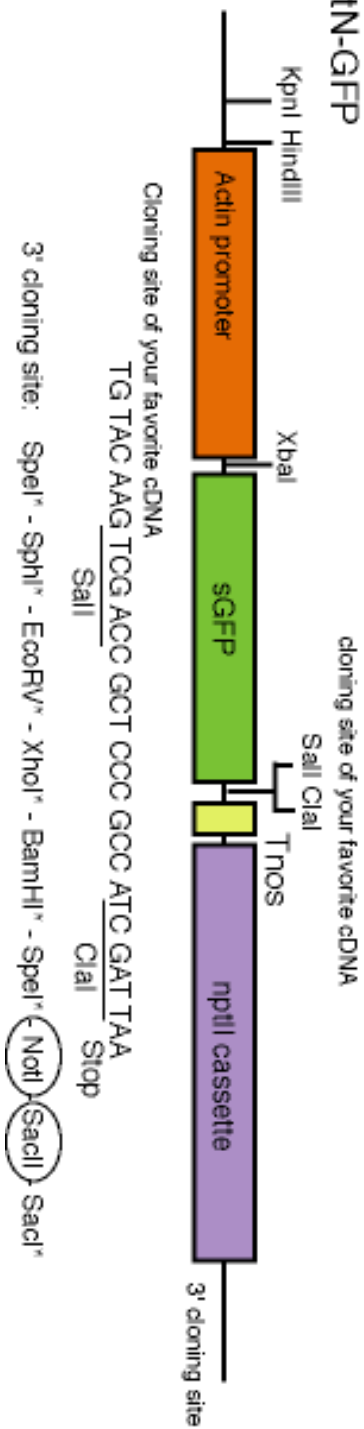
pKS2



3' cloning site: SpeI* - SphI* - EcoRV* - XhoI* - BamHI* - SpeI* - XbaI* (NotI) (SacI) SacI*

○: unique site
*: NOT unique site

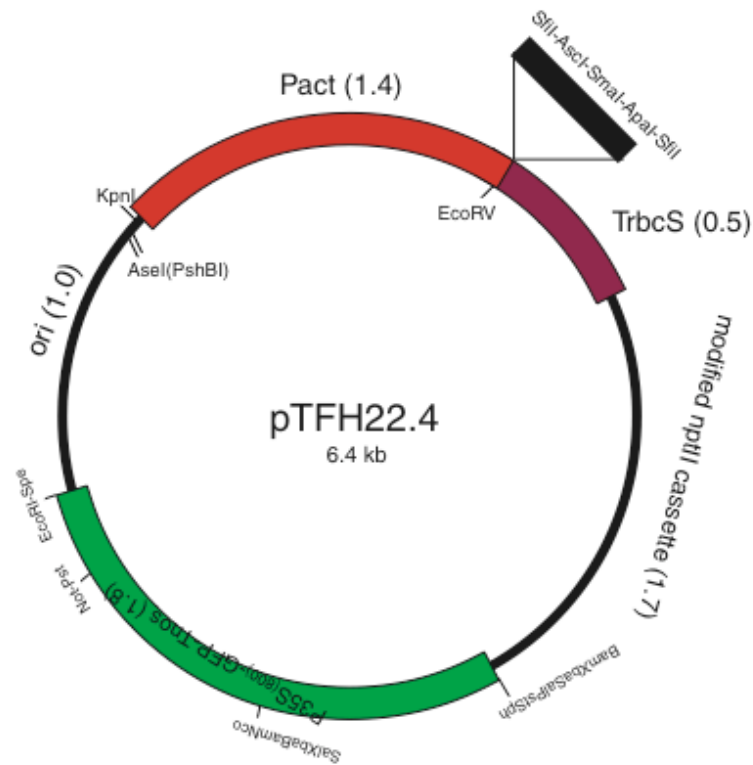
pAcIN-GFP



No. 15. pTFH22.4.

TFH#22-4(1)

5/31/01



MCS EcoRV SfiI AscI SmaI ApaI SfiI
 aaGATATCGGCCATTTCAGGCCGGCGGCCACCCGGGAGGGCCCGGCCGATTTGGCCatca

P35S(800)-Sph/Sma from pBI221 was inserted into pTFH15.3::dProGFP-Sph/PmaCI.

No cut-- BsmI, MluI, PmeI,

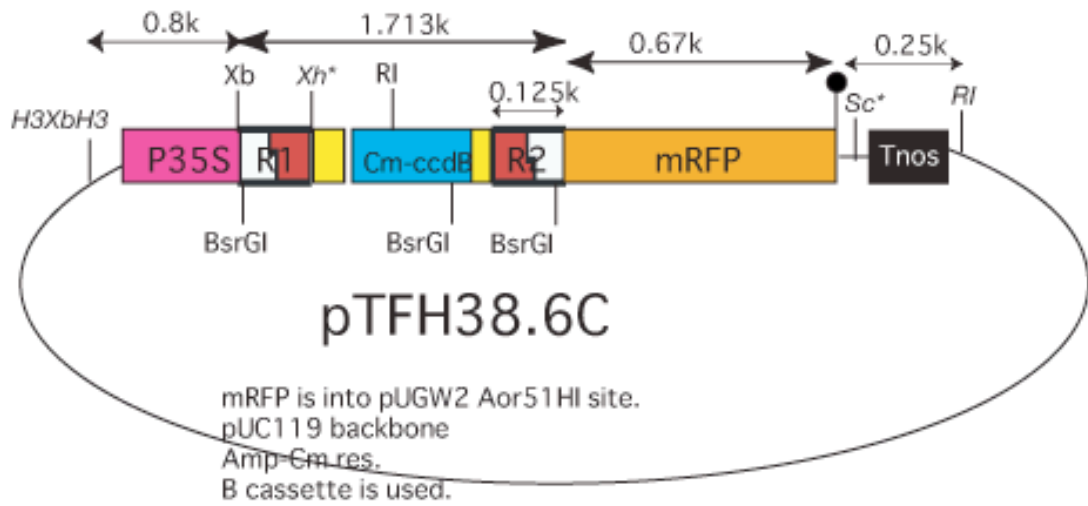
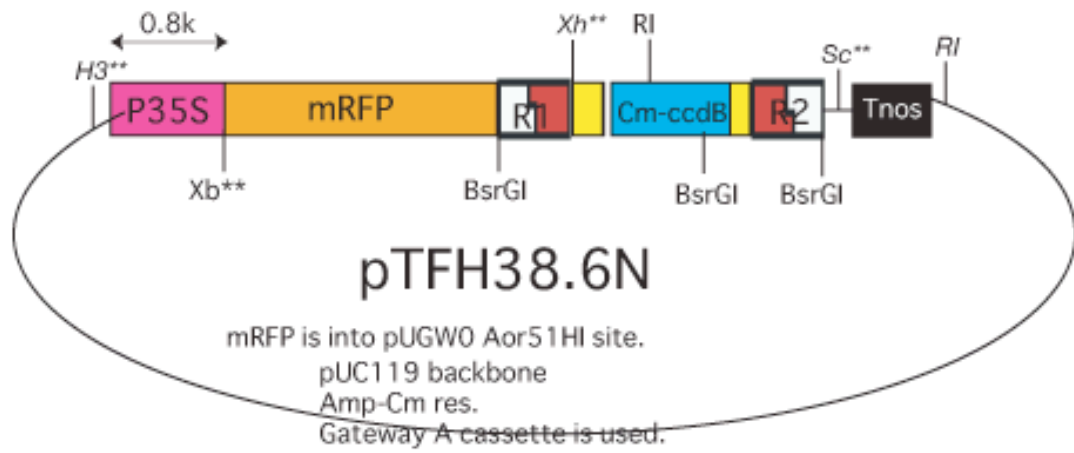
1 cut --SphI, AscI, ApaI, SmaI (TFH#22-4(1, 6))

SacII, Sse8387I, RsrII, NruI, BssII, BstEII, KpnI, SpeI, PmaCI, EcoRV

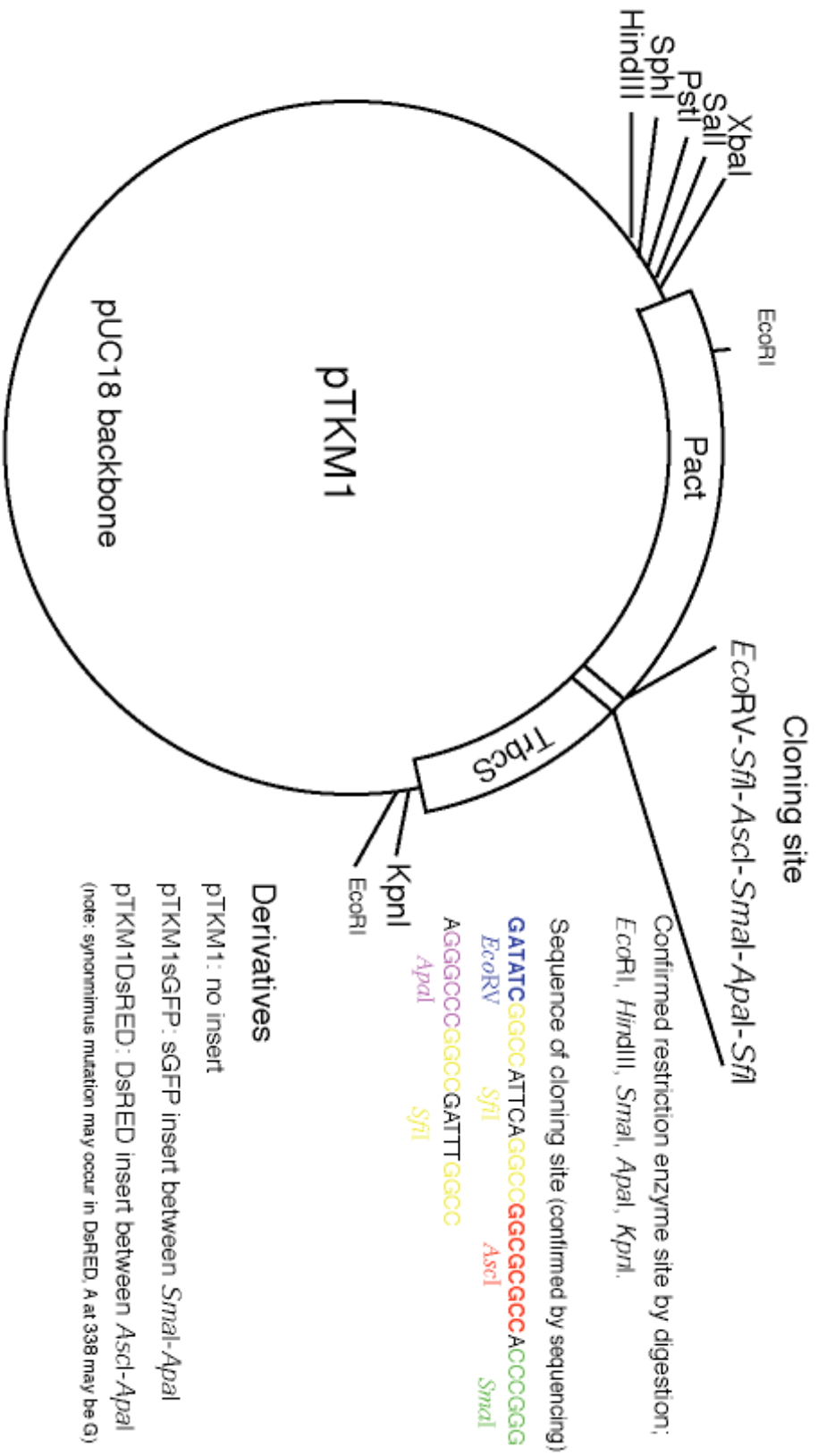
more than 2 cut -- SgrAI, SalI(2sites)

TFH#15-4(1), #15-4(5), #15-3(2), #22-1(1)(7)

No. 16 and 17. pTFH38.6N and pTFH38.6C.



No. 18. pTKM1.



Actin promoter, cloning site and rbs terminator are derived from pTFH15.3. The fragment (approx. 2kb) was inserted in *SmaI* site of pUC18.

April 10, 2003 by Takashi Murata