Molecule: pHAGE-PGK-MCS-IZsGreen-W, 7622 bps DNA Circular
File Name: pHAGE-PGK-MCS-IZsGreen-W.cm5, dated 14 Apr 2005

Description: Ligation of Fragment 2 into Fragment 2

Type	Start	End	Name	Description
REGION	1	636	LTR	
REGION	1303	1536	RRE	
REGION	2034	2211	cpPu	central polypurine tract, aka Trip
REGION	2218	2682	PGKp	
REGION	2725	3302	IRES	
GENE	3303	3998	ZsGreen	
REGION	4011	4602	WPRE	
REGION	4673	4908	dU3LTR	
REGION	4909	4979	3'Flank	cellular flanking sequence
GENE	5218	6078	AMPr	
REGION	7074	7197	SV40ori	

Sequence:

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 101  gccaggggtc agatatccac tgacctttgg atggtgctac aagctagtac
 151  cagttgagcc agataaggta gaagaggcca ataaaggaga gaacaccagc
 201  ttgttacacc ctgtgagcct gcatgggatg gatgacccgg agagagaagt
 251  gttagagtgg aggtttgaca gccgcctagc atttcatcac gtggcccgag
 301  agctgcatcc ggagtacttc aagaactgct gatatcgagc ttgctacaag
 351  ggactttccg ctggggactt tccagggagg cgtggcctgg gcgggactgg
 401  ggagtggcga gccctcagat cctgcatata agcagctgct ttttgcctgt
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 801  agcgtcagta ttaagcgggg gagaattaga tcgcgatggg aaaaaattcg
 851  gttaaggcca ggggaaaga aaaatataa attaaaacat atagtatggg
 901  caagcaggga gctagaacga ttcgcagtta atcctggcct gttagaaaca
 951  tcagaaggct gtagacaaat actgggacag ctacaaccat cccttcagac
1001  aggatcagaa gaacttagat cattatataa tacagtagca accctctatt
1051  gtgtgcatca aaggatagag ataaaagaca ccaaggaagc tttagacaag
1101  atagaggaag agcaaaacaa aagtaagacc accgcacagc aagcggccgg
1151  ccgctgatct tcagacctgg aggaggagat atgagggaca attggagaag
1201  tgaattatat aaatataaag tagtaaaaat tgaaccatta ggagtagcac
1251  ccaccaaggc aaagagaaga gtggtgcaga gagaaaaaag agcagtggga
1301  ataggagctt tgttccttgg gttcttggga gcagcaggaa gcactatggg
1351  cgcagcgtca atgacgctga cggtacaggc cagacaatta ttgtctggta
1401  tagtgcagca gcagaacaat ttgctgaggg ctattgaggc gcaacagcat
1451  ctgttgcaac tcacagtctg gggcatcaag cagctccagg caagaatcct
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1651   ggacagagaa attaacaatt acacaagctt aatacactcc ttaattgaag
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1801   tataaaatta ttcataatga tagtaggagg cttggtaggt ttaagaatag
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2001   tagtgaacgg atctcgacgg tatcgccgaa ttcacaaatg gcagtattca
2051   tccacaattt taaaagaaaa gggggattg ggggtacag tgcaggggaa
2101   agaatagtag acataatagc aacagacata caaactaaag aattacaaaa
2151   acaaattaca aaaattcaaa attttcgggt ttattacagg gacagcagag
2201   atccagtttg gactagcatt ctaccgggta ggggaggcgc tttttcccaag
2251   gcagtctgga gcatgcgctt tagcagcccc gctgggcact tggcgctaca
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pHAGE-PGK-MCS-IZsGreen-W

7622 bps

SfiI
DrdI
SV40ori
LTR
BssHII
NruI
FseI
MunI
BbvCI
BstAPI
AleI
RRE
FspI
PvuI
AMPr
SanDI
EcoRI
cpPu
SphI
PGKp
BsmBI
SpeI
BlpI
NotI
PstI
BmtI
NheI
XhoI
XbaI
BamHI
SspI
3'Flank
dU3LTR
IRES
ApaI
PspOMI
PacI
XmaI
SmaI
PsiI
WPRE
ZsGreen
AarI
Acc65I
KpnI
MscI
BstXI
NdeI
BclI
SgrAI
Tth111I
SalI
SacII
PfoI
BsaBI
ClaI
BsrGI

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5000
3000
4000