

**Supplementary Fig. 1 Full sequence of reporter plasmid pKJ1712 (8723 bp)**

GCGGTCCGGATGAGCATTTCATCAGGCGGGCAAGAATGTGAATAAAGGCCGG  
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TAGTGAACGGCAGGTATATGTGATGGGTAAAAAGGATCTGATGA

Plasmid features:

nts 581-1492	p15A origin of replication
nts 1664-2415	C-terminal lacI gene fragment (for recombination)
nts 2862-3673	Kanamycin-resistance gene
nts 3987-4030	rrnB T1 terminator
nts 4162-4189	rrnB T2 terminator
nts 4319-4325	SapI site #1
nts 4352-4358	SapI site #2
nts 4381-4386	lac promoter -35 box
nts 4405-4410	lac promoter -10 box
nt 4417	lac promoter transcription start point
nts 4452-4454	HIS3 gene start codon
nts 5112-5114	HIS3 gene stop codon
nts 5162-5164	aadA gene start codon

nts 5951-5953  
nts 5960-6576  
nts 6833-6835  
nts 6833-8254  
nts 8252-8254

aadA gene stop codon  
lacZ gene fragment (for recombination)  
sacB stop codon (rev comp strand)  
sacB coding sequence (rev comp strand)  
sacB start codon (rev comp strand)