

**Table S1. Primers.**

Primer		
Mut-pKD3-Spel-forward	GTG ATC TTC CGT <u>CAC TAG TAG</u> GCG CGC CGA AG	Bcul-site
Mut-pKD3-Spel-reverse	CTT CGG CGC GCC <u>TAC TAG TGA</u> CGG AAG ATC AC	Bcul-site
Spel-tyrS-EPK-forward	AAA AAA <u>ACT AGT</u> GTT CCC TGT ATA AAA ACC AGG GGG	Bcul-site
tyrS-EPK-Spel-reverse	TTT TTT <u>ACT AGT</u> GTA AAT TCC TGG AGC TGA AGC AGA AG	Bcul-site
Ter-HisTag-1-forward	CCC CCT TTC CAC TTA ATG CAT <u>TAG TGA TGG TGA TGG TGA TGT</u> TTC CAG CAA ATC AGA CAG TAA TTC	x6HisTag
Spel-Ter-HisTag-2-forward	AAA AAA <u>ACT AGT</u> GTT CCC TGT ATA AAA ACC AGG GGG AGT GAT TTC TCA CTC CCC CTT TCC ACT TAA TGC ATT AG	Bcul-site
tyrS-HisTag-reverse	<u>CAT CAC CAT CAC CAT CAC</u> GCA AGC AGT AAC TTG ATT AAA	x6HisTag
knockout-forward	<b>GTG TAC CGG CAA AGG TGC AGT</b> <b>CGT TTT ATA CAT GGA GAT TTT</b> <b>GAT GGC</b> <u>AGT GTA GGC TGG AGC</u> <u>TGC TTC</u>	
knockout-reverse	<b>GAT AGT GAC AGC GTT GGA GGC</b> <b>GAT AGT CTT ACG CGC CTG ACC</b> <b>ACG TGA CGG</b> <u>ATG GG A ATT AGC</u> <u>CAT GGT CC</u>	
Spel-IS2-Deletion-forward	AAA <u>AAC TAG TGA</u> TAA TGG TTC ATG CTA CCG GGC GAA TG	Bcul-site
IS2-Deletion-BamHI-reverse	GTT TTG <u>GGA TCC</u> ACC CTG ATG GCT CTG	BamHI-site
LacI-Prom.for	AAA <u>AGT CGA CTA GTG</u> CTA GCG ACA CCA TCG AAT GGC GCA AAC CTT TCG CGG TAT GGC ATG ATA GCG CCC GAA <b>GTC GTG TAC CGG</b> <b>CAA AGG TGA GTC G</b>	Sall/Spel-sites
LacI-Ter-rev	AAA AAA <u>GTC GAC TAG TGG</u> TAC CAA AAT GCC GCC AGC CCA AAC	Sall/Spel-sites

	TGG CGG CCG TGG ATT <b>AGT GAT GGT GAT GGT GAT GTT</b> TCC AGC	
pMO-tyrS-screen-forward	CCC TGA ATC TCC AGA CAA CCA ATA TCA	screening
pMO-tyrS-screen-forward	CCC GTA CAA ATT CTA CCA GTT CTG GA	screening
CH19 bsite mcs rev	TCGACGCGGCCGCATGATTCAAAT GGATCAACATCTCGAGGAGCTCG	Insertion of MCS in pSalVac 001 A0_B0
CH18 bsite mcs fwd	TCGACGAGCTCCTCGAGATGTTGA TCCATTTGAATCATGCGGCCGCG	Insertion of MCS in pSalVac 001 A0_B0
CH56 IF TyrS fwd	CACCAGCGTGTTTCGTGTCATGTGC CACCTGACGTCTAAGAA	Excision of AmpR promoter
CH58 IF Kmres rev	ATGACACGAACACGCTGGTGCGT GTCGCCCTTATTCCCTT	Excision of AmpR promoter
CH61 B1006 rev	GGCCGCaaaaaaaacccccgccctgtcag gggcggggtttttttGAGCT	Synthetic terminator
CH60 B1006 fwd	Caaaaaaaacccccgccctgacagggcggg gtttttttGC	Synthetic terminator
CH110 IF4 gen6 Km fwd	GCGGCCGCgtcgacCTCGAGgaacata tccatcgcggtccg	Deletion of non coding elements
CH235 ctxB flag	tcgtcgtcgtctttagtagtcgttcgcatggagatcg ccgc	Insertion of ctxB in A-site
CH239 flp KO	ATGACACGAACACGCTGGTgaagat cccccacgctg	Deletion of downstream KanR FRT site
CH53 IF 204 fwd	acaaagcacgaaagATGCATCAGAAGC GGC	Insertion of ctxB in A-site
CH146 pasr fwd	CCATGGTCCCTCAAGCGTTAataat ccggcgatagcaacg	Insertion of Pasr in B-site
CH151 asr rev	tttgtacccccgatttggttttc	Insertion of Pasr in B-site
CH156 mCherry fwd	accaaatcgggggtaacaaaatggtgagcaag ggcgag	Fusion of Pasr to mRFP in B-site

