

Table S2. Oligonucleotides

Identifier	Description	Sequence (restriction sites underlined)	Reference
CH2020	ARB1	5' - GGC CAC GCG TCG ACT AGT ACN NNN NNN NNN GAT AT	This study
CH2021	ARB2	5' - GGC CAC GCG TCG ACT AGT AC	This study
CH2022	ARB6	5' - GGC CAC GCG TCG ACT AGT ACN NNN NNN NNN ACG CC	This study
CH3023	tssM-Nco-for	5' - TTT <u>CCA TGG</u> TGA CGA CTC TTC TTT C	This study
CH3024	tssM-Xho-rev	5' - TTT <u>CTC GAG</u> TTA TGG GCA TGA GAA ACG	This study
CH3025	gusA-Eco-for	5' - TTT <u>GAA TTC</u> TTA ATG AGG AGT CCC TTA TCT TAC	This study
CH3026	gusA-Sac-rev	5' - TTT <u>GAG CTC</u> GAT TCA TTG TTT GCC TCC CTG	This study
CH3146	ECL-Pcdi-Kpn	5' - TTT <u>GGT ACC</u> GTT ACG GCG GTC AAT CAG ATC	This study
CH3147	ECL-PcdiB-Eco	5' - TTT <u>GAA TTC</u> ACT GCC ACT CCT TGC TAA AAG	This study
CH3197	vgrG2(KO)-Xho	5' - TTT <u>CTC GAG</u> GCT GGA GCG GTG CTT G	28
CH3198	vgrG2(KO)-Kpn	5' - TTT <u>GGT ACC</u> CGA GTC CAG ACA ATC AGG	28
CH3373	tIe(KO)-Sac	5' - CAA <u>GAG CTC</u> CGG GAT GGT TGC C	This study
CH3374	tIe(KO)-Bam	5' - ATT <u>GGA TCC</u> GTC CTG TTA CCA GTC	This study
CH3377	tIi(KO)-Xho	5' - CCA <u>ACT CGA</u> GTT AAA TAG GAA ACG	29
CH3378	tIi(KO)-Kpn	5' - CCA <u>GGT ACC</u> AAA GTG CTG TGT GC	29
CH3418	tIi-Kpn-for	5' - GAG <u>GGT ACC</u> ATG AAA TCG TTC TTA TCA GGC	29
CH3419	tIi-Xho-rev	5' - ATA <u>CTC GAG</u> CTA TTT AAC CGG AGT TGG TG	29
CH3719	tIi(M24)-Kpn-for	5' - AAA <u>GGT ACC</u> ATG GAT TTA AAA CCA G	This study
CH4154	tIi-Xho(H6)-rev	5' - CGT <u>CTC GAG</u> TTT AAC CGG AGT TGG TG	This study
CH4452	vgrG-Eco-for	5' - ATA <u>GAA TTC</u> ATG CTC AAC CGA ATT ACC	This study
CH4762	tIe-S341A-for	5' - CGA TAT TGC AGG CCA CGC TCT GGG TGG TGG G	This study
CH4763	tIe-S341A-rev	5' - CCC ACC ACC CAG AGC GTG GCC TGC AAT ATC G	This study
CH4469	tIe-Eco-for	5' - AGG GAA TTC CGA ATG TAC AAC ATA AAA TTT GTC	This study
CH5087	tIe-T172-Spe-for	5' - TTT <u>ACT AGT</u> ACC AAA GCT GAA CGC TGG C	This study
CH5137	tIi-I52-Kpn-for	5' - TTT <u>GGT ACC</u> ATG ATT AAA TTA GCG TCA GGG AC	This study
CH5138	tIi-M76-Kpn-for	5' - TTT <u>GGT ACC</u> ATG AAT TCG ATC AAT AAT CAG AA	This study
CH5203	Eh-vgrG(G615)-Kpn-for	5' - CCG <u>GGT ACC</u> ACA GCA CCG GGA TC	This study
CH5204	Eh-vgrI-Pst-rev	5' - TTT <u>CTG CAG</u> CTC GAG CCC GTA AAG TTG CCT CGC	This study
CH5205	vgrG2(G615)-Kpn-rev	5' - CGT <u>GGT ACC</u> TGG CTT AGC G	This study
CH5269	cat-Xba-for	5' - TTT <u>TCT AGA</u> TGT TGA TAC CGG GAA GCC	This study
CH5270	cat-Nsi-rev	5' - TTT <u>ATG CAT</u> TTA CGC CCC GCC CT	This study
CH5770	Eh-vgrG-K639-Sac-rev	5' - TTA CTC GAG <u>GAG CTC</u> TTA TTC GGC GAA AAC TTC TCC TGC	This study
CH5772	tIe-P134-Sac-for	5' - TTT <u>GAG CTC</u> TCC TGC GCC AAC GGT GCT G	This study
DL1667	RE118-down-rev	5' - GAG ATT TTG AGA CAC AAC GTG	This study
DL2194	pheS*-Sph-rev	5' - CAA CAA <u>GCA TGC</u> CCA TAG TGA TTT GAT TTG CCA GC	This study
DL2195	Ptet-for	5' - CTC ATG TTT GAC AGC TTA TCA TCG	This study
DL2196	pheS*-rev	5' - CCA TAG TGA TTT GAT TTG CCA GC	This study
DL2197	RE118-up-for	5' - GAA GAT CAG CAG TTC AAC CTG TTG	This study
DL2198	RE118-up-rev	5' - GCA TGA TAA GCT GTC AAA CAT GAG GGA TTT GCA GAC TAC GGG	This study
DL2199	RE118-down-for	5' - GCT GGC AAA TCA AAT CAC TAT GGG TCA AAG GGT GAC AGC AG	This study
DL2217	pheS*-EcoRV-for	5' - TTT <u>GAT ATC</u> TGA GAG GAA AAC CAT GTC	This study
	Tn5-right1	5' - GTG AGC ATC ACA TCA CCA CA	This study
	Tn5-right2	5' - TCA CGT TCA TCT TTC CCT GG	This study
	Tn5-right2	5' - CTG TAC AAG TAA GGC CTA GC	This study
	Tn5-left1	5' - ATG TTT GAA TCG CTT GAT TTG G	This study
	Tn5-left2	5' - ATT GCT CAT GAT TTC ACC TCG	This study
	Tn5-left3	5' - CAA TAA AGC TGA CCG TTA GCG	This study
ZR39	tIi-KO-Sac	5' - TTT <u>GAG CTC</u> AAG GCA ACC TGA GTT TTT TCC	This study
ZR40	tIi-KO-Bam	5' - TTT <u>GGA TCC</u> AAC GAT TTC ATG CAC GAC TCC	This study
ZR248	tIe-Xho-rev	5' - TTT <u>CTC GAG</u> CTG ATA AGA ACG ATT TCA TGC ACG	This study
ZR443	cdiB-Eco-for	5' - TTT <u>GAA TTC</u> GAC ATT ACA CAG GCC AGA ATA CG	This study
ZR444	cdiB-Xho-rev	5' - TTT <u>CTC GAG</u> GAT CCG TAA TAA TCC CTT AAA ACG CGA CG	This study