

Table S1. The *mariner*-kanamycin magic pool

Transposon vector	Part	Part plasmid	Description
pTGG31	part1	pHLL213	part1 for mariner transposon vector
pTGG31	part2	pHLL216	part2 (kanR promoter from pKMW3)
pTGG31	part3	pHLL238	part3 (KanR gene from pKMW3)
pTGG31	part4	pHLL215_NN2	barcoded part4 for mariner transposon vector
pTGG31	part5	pJW14	part5_mariner (transposase promoter from pHIMAR)
pTGG32	part1	pHLL213	part1 for mariner transposon vector
pTGG32	part2	pHLL216	part2 (kanR promoter from pKMW3)
pTGG32	part3	pHLL238	part3 (KanR gene from pKMW3)
pTGG32	part4	pHLL215_NN2	barcoded part4 for mariner transposon vector
pTGG32	part5	pHLL229	part5_mariner (glycerol-3-phosphate acyltransferase promoter from <i>Delftia</i> sp. GW456-R20)
pTGG33	part1	pHLL213	part1 for mariner transposon vector
pTGG33	part2	pHLL216	part2 (kanR promoter from pKMW3)
pTGG33	part3	pHLL238	part3 (KanR gene from pKMW3)
pTGG33	part4	pHLL215_NN2	barcoded part4 for mariner transposon vector
pTGG33	part5	pHLL231	part5_mariner (ftsY promoter from <i>Brevundimonas</i> sp. GW460-12-10-14-LB2)
pTGG34	part1	pHLL213	part1 for mariner transposon vector
pTGG34	part2	pHLL216	part2 (kanR promoter from pKMW3)

pTGG34	part3	pHLL238	part3 (KanR gene from pKMW3)
pTGG34	part4	pHLL215_NN2	barcoded part4 for mariner transposon vector
pTGG34	part5	pHLL233	part5_mariner (GFF3808;OUC52699 promoter from Sphingobium sp. GW456-12-10-14-TSB1)
pTGG35	part1	pHLL213	part1 for mariner transposon vector
pTGG35	part2	pHLL216	part2 (kanR promoter from pKMW3)
pTGG35	part3	pHLL238	part3 (KanR gene from pKMW3)
pTGG35	part4	pHLL215_NN2	barcoded part4 for mariner transposon vector
pTGG35	part5	pHLL235	part5_mariner (dihydrofolate reductase promoter from Rhodanobacter sp. 10B01)
pTGG36	part1	pHLL213	part1 for mariner transposon vector
pTGG36	part2	pHLL219	part2 (AmpR promoter from pMarA)
pTGG36	part3	pHLL238	part3 (KanR gene from pKMW3)
pTGG36	part4	pHLL215_NN2	barcoded part4 for mariner transposon vector
pTGG36	part5	pJW14	part5_mariner (transposase promoter from pHIMAR)
pTGG37	part1	pHLL213	part1 for mariner transposon vector
pTGG37	part2	pHLL219	part2 (AmpR promoter from pMarA)
pTGG37	part3	pHLL238	part3 (KanR gene from pKMW3)
pTGG37	part4	pHLL215_NN2	barcoded part4 for mariner transposon vector

pTGG37	part5	pHLL229	part5_mariner (glycerol-3-phosphate acyltransferase promoter from <i>Delftia</i> sp. GW456-R20)
pTGG38	part1	pHLL213	part1 for mariner transposon vector
pTGG38	part2	pHLL219	part2 (AmpR promoter from pMarA)
pTGG38	part3	pHLL238	part3 (KanR gene from pKMW3)
pTGG38	part4	pHLL215_NN2	barcoded part4 for mariner transposon vector
pTGG38	part5	pHLL231	part5_mariner (ftsY promoter from <i>Brevundimonas</i> sp. GW460-12-10-14-LB2)
pTGG39	part1	pHLL213	part1 for mariner transposon vector
pTGG39	part2	pHLL219	part2 (AmpR promoter from pMarA)
pTGG39	part3	pHLL238	part3 (KanR gene from pKMW3)
pTGG39	part4	pHLL215_NN2	barcoded part4 for mariner transposon vector
pTGG39	part5	pHLL233	part5_mariner (GFF3808;OUC52699 promoter from <i>Sphingobium</i> sp. GW456-12-10-14-TSB1)
pTGG40	part1	pHLL213	part1 for mariner transposon vector
pTGG40	part2	pHLL219	part2 (AmpR promoter from pMarA)
pTGG40	part3	pHLL238	part3 (KanR gene from pKMW3)
pTGG40	part4	pHLL215_NN2	barcoded part4 for mariner transposon vector

pTGG40	part5	pHLL235	part5_mariner (dihydrofolate reductase promoter from Rhodanobacter sp. 10B01)
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