

Supplementary Table 2: Oligonucleotides

Name	Description	Sequence
swD579	Tn colony PCR - amplify Tn Fwd	GGTTTCAAAGGGGAGGAGG
swD580	Tn colony PCR - amplify Tn Rev	GCTTCGCAACGTTCAAATCC
swD646	Tn colony PCR - amplify donor backbone Fwd	TGACCGAATTTATGCCGCTG
swD647	Tn colony PCR - amplify donor backbone Rev	CCCACATCAATGCAGCCAAT
swD559	Tn arbitrary PCR - round 1 Fwd	TGAGCTCAAACAATAGGCC
swD502	Tn arbitrary PCR - round 1 Rev1	CCGGGAGCGGATTTGAACGTTG
swD503	Tn arbitrary PCR - round 1 Rev2	GGCCACGCGTCGACTAGTACNNNNNNNNNNGATAT
swD504	Tn arbitrary PCR - round 2 Fwd	GGCCACGCGTCGACTAGTACNNNNNNNNNACGCC
swD505	Tn arbitrary PCR - round 2 Rev	GGCCACGCGTCGACTAGTAC
begin1	Tn-seq capture probe	ATAATGAAGTGCCTCATAATTGTTAGACATAAAATCTAATAATTATGAGGTA TTTTTTTAGATCTAGCGCTATAGTTGTTGACAGAATGGACATACTATGATAT ATTGTTGCTATAGCGA
begin2	Tn-seq capture probe	CATAAAATCTAATAATTATGAGGTATTTTTTTAGATCTAGCGCTATAGTTGT TGACAGAATGGACATACTATGATATATTGTTGCTATAGCGAGGAGAAGATT TGTTATGGTATTTGAAA
begin3	Tn-seq capture probe	TTTTTAGATCTAGCGCTATAGTTGTTGACAGAATGGACATACTATGATATAT TGTTGCTATAGCGAGGAGAAGATTGTTATGGTATTTGAAAAAATTGATAA AAATAGTTGGAACAGAA
begin4	Tn-seq capture probe	GACAGAATGGACATACTATGATATATTGTTGCTATAGCGAGGAGAAGATTT GTTATGGTATTTGAAAAAATTGATAAAAATAGTTGGAACAGAAAAGAGTATT TTGACCACTACTTTGCA
end1	Tn-seq capture probe	TCTGTTGTTTGTGCGTGAACGCTCTCCTGAGTAGGACAAATCCGCCGGGA GCGGATTTGAACGTTGCGAAGCAACGGCCCGAGGGTGGCGGGCAGGA CGCCCGCCATAAACTGCCAGGC
end2	Tn-seq capture probe	TGAGTAGGACAAATCCGCCGGGAGCGGATTTGAACGTTGCGAAGCAACG GCCCGGAGGGTGGCGGGCAGGACGCCCCGCCATAAACTGCCAGGCATCAA ATTAAGCAGAAGGCCATCCTGA
end3	Tn-seq capture probe	ATTTGAACGTTGCGAAGCAACGGCCCGAGGGTGGCGGGCAGGACGCCC GCCATAAACTGCCAGGCATCAAATTAAGCAGAAGGCCATCCTGACGGATG GCCTTTTAATTTTATAAATGT
end4	Tn-seq capture probe	GGAGGGTGGCGGGCAGGACGCCCCGCCATAAACTGCCAGGCATCAAATTA AGCAGAAGGCCATCCTGACGGATGGCCTTTTAATTTTATAAATGTCTAACT TTTCTATGGCACTTCATAAT