

Genomic deletion primers:

gspl_del_carb_fw	tgccagaactggacgtgttttctcgcgcaatgaatcttgactgaagcGGCTAATGCACCCAGT AAGG
gspl_del_carb_rv	tcaaacgctcgcagagatacccgcccatgaacaaacaatcagggatgacACTAGCAACACCAG AACAGCC
clbN_del_chl_fw	ttgtattccttaagggttggcatcgtgtttatagtgtccGCGGTATCATCAACAGGCTT
clbN_del_chl_rv	acaggaacagtgccacatcattgatcaactgtatccttacACGAAAGGGCCTCGTGATAC
clbS_del_chl_fw	gtccacactcatcgtgcccgaaaaatcatcagtggggaggcaaacggtgaagcaccgAGCGGT ATCATCAACAGGCTT
clbS_del_chl_rv	ttgaatcactcgaaatagtagggtagaaatagttgtgtaactatacaaggagcaatagatACGAAAG GGCCTCGTGATAC

Note: lowercase letters are homology arms for genomic regions flanking the gene of interest; uppercase arms are primers for antibiotic resistance cassettes in plasmids.

Fluorescent DNA damage reporter primer sequences:

backbone_EM7_fw	GTTGACAATTAATCATCGGCATAGTATATCGGCATAGTATAATACGACGAATTCATTA AAGAGGAGAAAGG
backbone_recA_rev	GTAGAAATTGTTGCCACAAGATGGTTTCTTAGACGTCCAT
recA_backbone_fw	ATGGACGTCTAAGAAACCATCTTGTGGCAACAATTTCTAC
recA_YFP_rev	TTCTCCTCTTTAATGAATTCGATAGTCAATATGTTCTGTT
YFP_recA_fw	AACAGAACATATTGACTATCGAATTCATTAAAGAGGAGAA
YFP_EM7_rev	GCCGATGATTAATTGTCAACTCTAGGGCGGGCGGATTTGTC

Backbone includes CFP and spectinomycin resistance