

Supplemental Table S4

gBlocks ID	Description	Sequences 5' - 3'
SB-GB001	integrate crl with R51A mutation in the chromosome, in place of the kan-pBad-kid cassette at the crl locus	TCCTTCAGGAAATCACCAGCTGGATCGAAAAACGCTTGTGTTAAAAATTTGCTAAAT TTTGCCAATTTGGTAAAACAGTTGCATCACAACAGGAGATAGCAatgACGTTACCG AGTGGACACCCGAAGAGCAGATTGATCAAAAAATTTACCGCACTAGGCCCGGTATA TTCTGTGAAGGTAAGTGCAAAGATAATCGATTCTTTTTCGATTGCTGGCTGTATGC GTCAACGTGAAACCCGGCACCGGAAGTgcccGAATTCTGGGGCTGGTGGATGGAG CTGGAAGCGCAGGAATCCCGTTTTACCTACAGTTACCAGTTTGGTCTGTCCGATAA AGCAGGCGACTGGAAGAGTGTCCGGTAAAAGACTGAAGTGGTTGAACGACT GGAGCACACCCTGCGTGAGTTTACGAGAAGCTGCGTGAAGTCTGACGACGCT GAATCTGAAGCTGGAACCCGGCGATGATTTTTCTGACGAGCCGGTGAAGTTAAC GGCGTgaGTGAAATGTCCGGATGCATCACATCCGGCAATATTCATTAATAACTGAT ACGTCATGCCAACCCGGACAATATCATCATTATTAATATTCATTTGTTAT
SB-GB002	integrate Δcrl in the chromosome, in place of the kan-pBad-kid cassette at the crl locus	TCCTTCAGGAAATCACCAGCTGGATCGAAAAACGCTTGTGTTAAAAATTTGCTAAAT TTTGCCAATTTGGTAAAACAGTTGCATCACAACAGGAGATAGCAGTGAATGTGC CGGATGCATCACATCCGGCAATATTCATTAATAACTGATACGTCATGCCAACCCGCA CAATATCATCATTATTAATATTCATTTGTTAT
SB-GB003	integrate crl in the chromosome, in place of the kan-pBad-kid cassette at the crl locus	TCCTTCAGGAAATCACCAGCTGGATCGAAAAACGCTTGTGTTAAAAATTTGCTAAAT TTTGCCAATTTGGTAAAACAGTTGCATCACAACAGGAGATAGCAatgACGTTACCG AGTGGACACCCGAAGAGCAGATTGATCAAAAAATTTACCGCACTAGGCCCGGTATA TTCTGTGAAGGTAAGTGCAAAGATAATCGATTCTTTTTCGATTGCTGGCTGTATGC GTCAACGTGAAACCCGGCACCGGAAGTgcccGAATTCTGGGGCTGGTGGATGGAG CTGGAAGCGCAGGAATCCCGTTTTACCTACAGTTACCAGTTTGGTCTGTCCGATAA AGCAGGCGACTGGAAGAGTGTCCGGTAAAAGACTGAAGTGGTTGAACGACT GGAGCACACCCTGCGTGAGTTTACGAGAAGCTGCGTGAAGTCTGACGACGCT GAATCTGAAGCTGGAACCCGGCGATGATTTTTCTGACGAGCCGGTGAAGTTAAC GGCGTgaGTGAAATGTCCGGATGCATCACATCCGGCAATATTCATTAATAACTGAT ACGTCATGCCAACCCGGACAATATCATCATTATTAATATTCATTTGTTAT
SB-GB005	ΔP2 PrssB. To be used in Gibson assembly with primers SB-92+93 on pSB37	TTCAGTATGCGCAAATCCGGCCATCAATTCGGCACGTAACGCCGCTGCTCCACAA GAGGGATGCCAGGCTTTTAAATAATCTGCGTCTTGCATCACAACAGCCAGT AACCGGAACGCATGAGATGTTCTGGATCAGGTGCAACCTTTTACCAGacTACCAC AGGGACAAAGCTGAGACAAAATAATCTCCCTGGAAACAATAACGGCGTATTAAC CGCTGAGTAGCACTATGTTAACCGAGCAGTAGCGATGTGGTACGATTGCATTC CAGGGGAATCTTCCGGGAATAATGAGAAAGATAAAAATAGGGC
SB-GB006	ΔP1 PrssB. To be used in Gibson assembly with primers SB-94+95 on pSB37	CCTGTTTGCCCGCAAATATCTACGCTTGAATTCATCGCGCCGCGCTGCCATTGC GGCCGGACAGCTGGCAGTGGAAGGAAATGGACGAACCTTTGCGTTGGTACG CACCACATTTGACCGAATTTTTATCTACACTTAAGTTAATTCGaaAGCCAGTCA GGGAGAGAACatgACCGAGCCATTGGTCGAAAAGTGAGCAAGGGCGAGGAG GATAACATGGCCATCATCAAGGAGTTTCATGCGCTCAAGGTGCATGGAGGGCT CCGTGAACGGCCACGAGTTCGAGATCGAGGGCGAGGGCG
SB-GB008	integrate RssB D58P into NM1000 rssB N1-168 AA::kanKid (strain #AT485)	CTACACTTAAGTTAATCTGACAGGCGCAGGTGGCAATAGCATGCCACTATTGAG TAAAGCCAGTCAGGGGAGAGAAcAtgACGCAGCCATTGGTCGAAAACAGATTCT CATTGTTGAAGATGAGCAGGTATTTGCTCGCTTCTGGATTGATGTTTTCTCATT GGGAGCGACAACGGTACTGGCGGCTGATGGGGTGGATGCCCTTGAGTTGCTGGG AGGTTTCACTCCAGACCTGATGATATGccATCGCGATGCCACGAATGAACGGGC TTAACTGCTGGAGCATATACGTAACAGAGGGCAGCCAGCCAGTTGCTGGTAT ATCTGCCACTGAAAATATGGCAGATATTGCCAAAGCGTTACGTCGCGGCTTGA GATGTTTTGCTGAAACCGTAAAGATCTGAATCGCTTCCGCGAGATGTTTTTGC CTGTCTATCCAGCATGTTAATTCGCGGCTTGGAGGAAGAGGAAAGGCTTTTTTC GCGACTGGGATGCAATGGTTGATAACCTGCCGAGCGGCAAAATATTACAGG AACTACAACCGCGGTTGAGCAGGTGATTTCCATTGCCGGTTAATTATCGTCAA TTGGTTGCCCGGACAAACCCGGCCTGGTGCTGATATTGCCGCATTTCCGG
SB-GB009	integrate RssB D58E into NM1000 rssB N1-168 AA::kanKid (strain #AT485)	CTACACTTAAGTTAATCTGACAGGCGCAGGTGGCAATAGCATGCCACTATTGAG TAAAGCCAGTCAGGGGAGAGAAcAtgACGCAGCCATTGGTCGAAAACAGATTCT CATTGTTGAAGATGAGCAGGTATTTGCTCGCTTCTGGATTGATGTTTTCTCATT GGGAGCGACAACGGTACTGGCGGCTGATGGGGTGGATGCCCTTGAGTTGCTGGG AGGTTTCACTCCAGACCTGATGATATGgaaATCGCGATGCCACGAATGAACGGG CTTAACTGCTGGAGCATATACGTAACAGAGGGCAGCCAGCCAGTTCTGGTGA TATCTGCCACTGAAAATATGGCAGATATTGCCAAAGCGTTACGTCGCGGCTTGA AGATGTTTTGCTGAAACCGTAAAGATCTGAATCGCTTCCGCGAGATGTTTTTGC CCTGTCTATCCAGCATGTTAATTCGCGGCTTGGAGGAAGAGGAAAGGCTTTTT CGGACTGGGATGCAATGGTTGATAACCTGCCGAGCGGCAAAATATTACAGG AACTACAACCGCGGTTGAGCAGGTGATTTCCATTGCCGGTTAATTATCGTCAA TTGGTTGCCCGGACAAACCCGGCCTGGTGCTGATATTGCCGCATTTCCGG
SB-GB010	integrate RssB D58A into NM1000 rssB N1-168 AA::kanKid (strain #AT485)	CTACACTTAAGTTAATCTGACAGGCGCAGGTGGCAATAGCATGCCACTATTGAG TAAAGCCAGTCAGGGGAGAGAAcAtgACGCAGCCATTGGTCGAAAACAGATTCT CATTGTTGAAGATGAGCAGGTATTTGCTCGCTTCTGGATTGATGTTTTCTCATT GGGAGCGACAACGGTACTGGCGGCTGATGGGGTGGATGCCCTTGAGTTGCTGGG AGGTTTCACTCCAGACCTGATGATATGgccATCGCGATGCCACGAATGAACGGGC TTAACTGCTGGAGCATATACGTAACAGAGGGCAGCCAGCCAGTTCTGGTAT ATCTGCCACTGAAAATATGGCAGATATTGCCAAAGCGTTACGTCGCGGCTTGA GATGTTTTGCTGAAACCGTAAAGATCTGAATCGCTTCCGCGAGATGTTTTTGC CTGTCTATCCAGCATGTTAATTCGCGGCTTGGAGGAAGAGGAAAGGCTTTTTTC GCGACTGGGATGCAATGGTTGATAACCTGCCGAGCGGCAAAATATTACAGG AACTACAACCGCGGTTGAGCAGGTGATTTCCATTGCCGGTTAATTATCGTCAA TTGGTTGCCCGGACAAACCCGGCCTGGTGCTGATATTGCCGCATTTCCGG
SB-GB047	integrate Δrsd in the chromosome	ATCCATAGCTTTCACACTACCTTTGCATCACTGGCATGTTTAAACATGTTTTACAT TTCTCACTGAGCAGTTTTTGAATAACAACCTGGGAGTCAATCGTTCTGCGCTGTT AACCGTAATTTACATTCATGCCCATTTTCCGGGGCTAATTTCTGTCGGAGTGC CTTAACTGGCTGAGACCGTTTTATTCCGGGATC