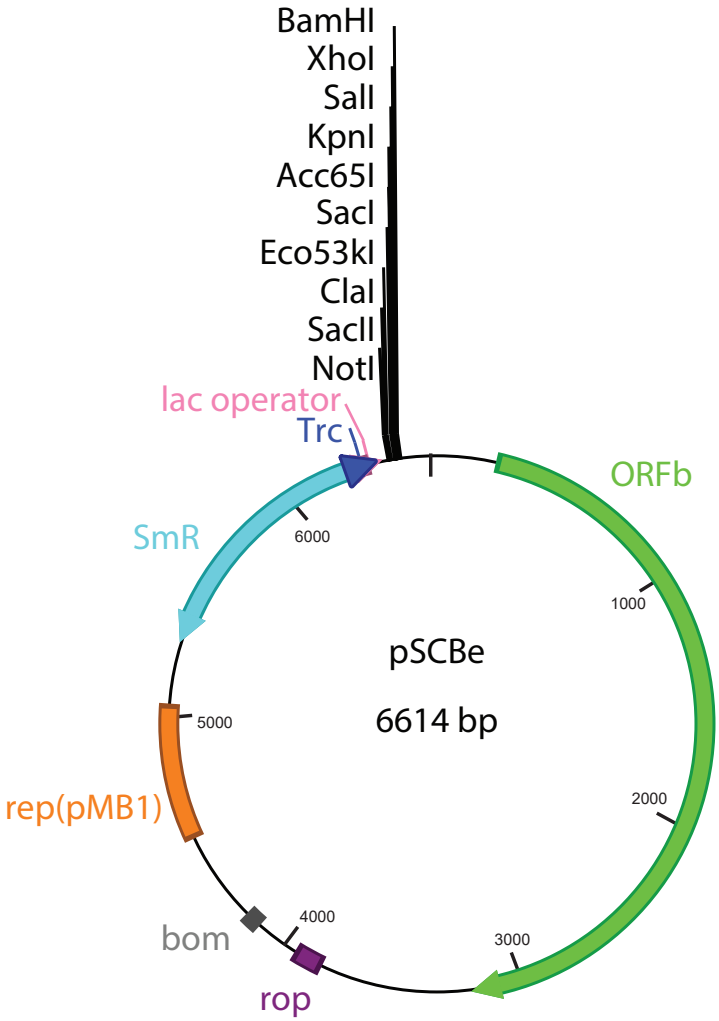

6267 GGTCAAGGTTCTGGACCAGTTGCGTGACGCGTTGACAATTAATCATCCGGCTCGTATAATGTGTGGAATT 6337
CCAGTTCCAAGACCTGGTCAACGCACTGCGCAACTGTTAATTAGTAGGCCGAGCATATTACACACCTTAA

Gibson assembly with NotI

-35 trc promoter -10

GTGAGCGGATAACAATTTCACACATTCTAGAGAAAGAGGAGAAATACTAGATGGACTACAAAGACGATGA 6407
CACTCGCCTATTGTTAAAGTGTGTAAGATCTCTTTCTCCTCTTTATGATCTACCTGATGTTTCTGCTACT

Asp Tyr Lys Asp Asp Asp

lac operator RBS FLAG

NotI SacII ClaI Eco53kI SacI Acc65I KpnI SalI XhoI BamHI

CGACAAGCTTGCGGCCGCCGCGGCATCGATAGATCTGAGCTCGGTACCAGTCGACTCGAGAGGATCCCGG 6477
GCTGTTCGAACGCCGGCGGCGCCGTAGCTATCTAGACTCGAGCCATGGTCAGCTGAGCTCTCCTAGGGCC

Asp Lys Leu Ala Ala Ala Ala Ala Ser Ile Asp Leu Ser Ser Val Pro Val Asp Ser Arg Gly Ser Arg

CACCATCACCATCACCATTAACTAGTGCCAGGCATCAAATAAAACGAAAGGCTCAG 6533
GTGGTAGTGGTAGTGGTAATTGATCACGGTCCGTAGTTTATTTTGCTTTCCGAGTC

His His His His His His

Gibson assembly with SpeI