**Table S2. Oligonucleotides for the construction of the BvgS heterodimers**

iEco-up 5’-TAGAATTCGGGTCGGCGATATTGACAACG-3’

Xma-lo 5’-ATCTCGAGCCCGGGGAGCGGGTTGTCGGCGCA-3’

Xho-up 5’-ATCTCGAGCAACGGCCGCATCAAGA-3’

HindIII-lo 5’-ATAAGCTTACTGCAGTCGCCCTATG-3’

XmaI-up 5’-ATCCCGGGCCGCCGCGGGTGC-3’

SpeI-lo 5’-ATACTAGTGACGTGGCGTTCAGCTTCTG-3’

XbaI-up 5’-TTCTAGACATGGGGAAGATCG-3’

NcoI-lo 5’-CGGCCTGCACGGATTTTTCGA-3’

NcoI-up 5’-AACGGTTTCGGTGGACCTGA-3’

XhoI-lo 5’-ATCTCGAGCAACGGCCGCATCAAGA-3’

pEcoRI-up 5’-TAGAATTCAAACCCTGTCCGGCACGTA-3’

pHindIII-lo 5’-ATAAGCTTATGCCGCCCAATTATCCGTA-3’