**Table S2 Oligonucleotides used in this work.**

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| --- | --- |
| **Primer**  | Sequence (5’ 🡪 3’)  |
| csfB12D | CGCCGCCAAGCAAGCTTAAACCCAGC |
| csfB578R | CGTATAAAGATGGATCCTCTATTCTTCTC |
| csfB780R | ATTATTAGGATCCACTACGTTCAATCC |
| csfBspoIIQ | GTTGCTGAGGTGATGAAACAATGGACGAAACAGTTAAACTTAATC |
| gfpR | GGCGGATCCTTATTTGTATAGTTCATCCATGC |
| PsigFcsfBD | CCGTTTTAAAGGGCGGCCAACTGTACGGAGG |
| PsigFcsfBR | CCTCCGTACAGTTGGCCGCCCTTTAAAACGG |
| PsigKcsfBD | GGGCTTATATAGCCCCGCTACCGATTTAAAGTTTCAAAAAGG |
| PsigKcsfBR | CCTTTTTGAAACTTTAAATCGGTAGCGGGGCTATATAAGCCC |
| sigA193D | GATCCATGGCTGATAAACAAACCC |
| sigA1343R | GAACGGAATTCAAGACCCGTTCC |
| sigE278D | CTATTCCATGGGCGGGAGTGAAGCCCTGCC |
| sigE288DsigE292DsigEY2H292D | CGCGGATCCGGCGGGAGTGAAGCCCTGCCGAAGGATCCGCTGTTAATACATTTAATCCAGCTTTCCATGGCTGTTAATACATTTAATCCAG |
| sigE421RsigE495R | ATCGAATTCTTACGGTTCATAAAAGGAAACCCGCGAATTCTTAAGCTTTGATTAGACCGATGGTACCG |
| sigE956RsigEY2H2.2DsigE2.2DsigE2.3RsigE4DsigEY2H4DsigE3.1DsigEY2H3.1DsigE3.1RsigEN100EDsigEN100ER | CCCTGTGAATTCAAGGGGTTCTAACCCTTTCCATGGAAAATACGGGAATTAATATAGAGGGAAGGATCCGAAAATACGGGAATTAATATAGAGGATCGAATTCTTATATACACCGGGAGGCATAGGGAAGGATCCGTCGATAAAAAGCTTTTGTAACCCATGGTCGATAAAAAGCTTTTGTTTGGATCCGAACCGCTTAATATTGATTGGGCTTTCCATGGAACCGCTTAATATTGATTGGGGACGAATTCTTAGTTAGCTTCTATGTCTTTAGCTAATCAAAGCTGTTGAAACATTTAATCCAGCTGGATTAAATGTTTCAACAGCTTTGATTAG |
| sigK249D | GTCTCCATGGTATCTTACGTGAAAAACAATGCC |
| sigKR | CTCATTTTCAATACACCTCGC |
| sigKD | GCGAGGTGTATTGAAAATGAGATCCTCATGCATTTGCGCGC |
| sigK655R sigKE93ND sigKE93NR | TAGAGAATTCCGGAGTATGAGATCCGGCCTGATCAAAGGAATTAATAGCTATTCCGCCGGCCGGCGGAATAGCTATTAATTCCTTTGATCAG |
| spoIIQ152D | GTTTCAAAGCTTGATCCAGGCAGCG |
| spoIIQ500R | TGTTTCATCACCTCAGCAAC |
| spoIVCA1914D | CGGAAAAGCTTAAATACCATGACAGGG |
| spoIVCA2520R | GGGTGCATGGATCCCTCTTTAATACG |
| spoIVCB2488D | ATTGAATTCGTATTAAAGAGGGG |
| spoIVCB3010R | TTGAAGATCTAGTATGCTGCTTACC |
| sigA-fwd-pET14b  | ccgctcgagatggctgataaacaaacccacgaga |
| SigA-rev-pET14b  | cgcggatccttattcaaggaaatctttcaaacgtttacttctgct |
| csfB-fwd invitro  | ttaatgagctgggttttttgtttactc |
| csfB-rev invitro  | ttcgtataaagatgaatgcctctattct |
| gcaD fwd  | aggactgctgaaagggctgacataa |
| gcaD rev  | gatttcattctcgttccttgtccagccgc |
| sspB fwd invitro  | gactagcttagcctaaacggctaa |
| sspB-rev-invitro  | aactgatgctttttcatatttatgactagcttagcct |
| spoIIQ-fwd invitro  | ctgtgcaaactacatctaaaaaagtttttttggata |
| spoIIQ-rev-invitro  | tttcttcctctctcattgtttcatcacc |
| spoIID-fwd-invitro  | gcaaaatagcaaaaaagaatacgtaaatgacaaat |
| spoIID-rec-invitro  | ttgtttcatattcagctgcctcctg |
| gerE-fwd-invitro  | gcatctatgtgaaaacaagcgcagtc |
| gerE-rev-invitro  | ctccttcaagtattgtaaccctccttgcta |