Supplementary Data 3. Oligonucleotide sequence for each primer.

Primer ID	**DNA sequence (5' → 3')**
Strain construction (*B. subtilis*)	
Vector_F	5’-GGATCAGGTCATCATCACCATCACCATTAA-3’
Vector_R	5’-CTCCTCCTCTTAATATCTGATAATATAACA-3’
WT_F	5’-GAGAACAAGGAGGGGTATAAATGAACTTTCCCCGCGCTTCCCGCC-3’
WT_R	5’-TGGTGATGATGACCTGATCCGCTGCAGTTCGCGGTGCGGAAGTCC-3’
CO_F	5’-GAGAACAAGGAGGGGTATAAATGAATTTTCCGAGAGCATCAAGAC-3’
CO_R	5’-TGGTGATGATGACCTGATCCTGAGCAATTTGCTGTTCTAAAATCT-3’
AI-S1_F	5’-GAGAACAAGGAGGGGTATAAATGAATTTTCCGAGAGCATCAAGAC-3’
AI-S1_R	5’-TGGTGATGATGACCTGATCCTTTCAAGCCCGCTTTTTTAAAGCTG-3’
AI-M1_F	5’-GAGAACAAGGAGGGGTATAAATGAATTTTCCGAGAGCATCAAGAC-3’
AI-M1_R	5’-TGGTGATGATGACCTGATCCACGGCACTGCACTTGCTTGAAATCA-3’
AI-M2_F	5’-GAGAACAAGGAGGGGTATAAATGAAAATCAGACGAGCAAGCCGAC-3’
AI-M2_R	5’-TGGTGATGATGACCTGATCCCTGGCAGGTGCTGTGCTTGAATTCA-3’
AI-M3_F	5’-GAGAACAAGGAGGGGTATAAATGAATTTTCCGAGAGCATCAAGAC-3’
AI-M3_R	5’-TGGTGATGATGACCTGATCCTTTGCTTGTACCTTCTTCTTCCATG-3’
AI-M4_F	5’-GAGAACAAGGAGGGGTATAAATGAATTTTCCGAGAGCATCAAGAC-3’
AI-M4_R	5’-TGGTGATGATGACCTGATCCCTGGCAGTATTTTGTAGAATAATTG-3’
AI-M5_F	5’-GAGAACAAGGAGGGGTATAAATGAATTTTCCGAGAGCATCAAGAC-3’
AI-M5_R	5’-TGGTGATGATGACCTGATCCCGCCACCTCTTCTTTTTTGTAACTT-3’
AI-M6_F	5’-GAGAACAAGGAGGGGTATAAATGAATTTTCCGAGAGCATCAAGAC-3’
AI-M6_R	5’-TGGTGATGATGACCTGATCCCTGGCAGTATTTTGTAGAATAATTG-3’
AI-L1_F	5’-GAGAACAAGGAGGGGTATAAATGAATTTTCCGAGAGCATCAAGAC-3’
AI-L1_R	5’-TGGTGATGATGACCTGATCCGCTGCAGTTTGCTGTACGGAAATCT-3’
AI-L2_F	5’-GAGAACAAGGAGGGGTATAAATGAATTTTCCGAGAGCATCAAGAC-3’
AI-L2_R	5’-TGGTGATGATGACCTGATCCATTACAATTAGCAGTTCTAAAATCA-3’
AI-L3_F	5’-GAGAACAAGGAGGGGTATAAATGAATTTTCCGAGAGCATCAAGAC-3’
AI-L3_R	5’-TGGTGATGATGACCTGATCCCTGGCAATGAGCTGTTCTAAAATCA-3’
AI-L4_F	5’-GAGAACAAGGAGGGGTATAAATGAATTTTCCGAGAGCATCAAGAC-3’
AI-L4_R	5’-TGGTGATGATGACCTGATCCACTGTAATTTGCAGTTCTAAAACTT-3’

AI-L5_F	5’-GAGAACAAGGAGGGGTATAAATGAATTTTCCGAGAGCATCAAGAC-3’
AI-L5_R	5’-TGGTGATGATGACCTGATCCGCTGCAGTTTGCTGTACGGAAGTCA-3’
Strain construction (*E. coli)*	
Vector_F	5’-CTCGAGCACCACCACCACCACCACTG-3’
Vector_R	5’-TGAATTCGGATCCGAATTAATTCCGATATCCATG-3’
WT_F	5’-ATTAATTCGGATCCGAATTCACAGACCAACCCCTACGCC-3’
WT_R	5’-TGGTGGTGGTGGTGCTCGAGGCTGCAGTTCGCGGTGCGGAAG-3’
CO_F	5’-TTAATTCGGATCCGAATTCACAGACCAACCCGTACGCTCGTGGTC-3’
CO_R	5’-TGGTGGTGGTGGTGCTCGAGAGAGCAGTTAGCGGTACGGAAGTCA-3’
AI-E1_F	5’-TTAATTCGGATCCGAATTCACAAACTAACCCTTACGCCCGCG-3’
AI-E1_R	5’-TGGTGGTGGTGGTGCTCGAGACTGCAGTTCGCCGTGCGAAAATCC-3’
AI-E2_F	5’-TTAATTCGGATCCGAATTCACAAACTAACCCTTATGCTCGTGGTC-3’
AI-E2_R	5’-TGGTGGTGGTGGTGCTCGAGGCTGCAGTTCGCCGTGCGAAAATCC-3’
AI-E3_F	5’-TTAATTCGGATCCGAATTCACAAACAAATCCGTATGCACGTGGTC-3’
AI-E3_R	5’-TGGTGGTGGTGGTGCTCGAGACTGCAGTTCGCGGTGCGGAAATCC-3’
PCR for full-length transcript (*B. subtilis*)	
B_Signal_F	5’-TGATCATGTTCACCCTGCTG-3’
B_His_R	5’-ATGGTGATGGTGATGATGACC-3’
PCR for full-length transcript (*E.coli*)	
E_Signal_F	5’-ATGAAATACCTGCTGCCG-3’
E_His_R	5’-GTGGTGGTGGTGGTGG-3’
Quantitative real-time PCR (*B. subtilis*)	
B_Signal_F	5’-TGTTCACCCTGCTGTTGACT-3’
B_Signal_R	5’-CTGCCGAAAATGCCATAGTCA-3’
B_*gyrA*_F	5’-CGTATCGTTGGAGAAGTTATC-3’
B_*gyrA*_R	5’-AGTCTCCGTCAACAGAACC-3’

Quantitative real-time PCR (*E.coli*)	
E_Signal_F	5’-ATGAAATACCTGCTGCCG-3’
E_Signal_R	5’-GAGGAGCAGCAGACCA-3’
E_*cysG*_F	5’-TCATTTGCCTATATTTTGCCA-3’
E_*cysG*_R	5’-CAATCAGACAGTCGCGAT-3’