

TABLE S1 Primers used for constructing isogenic mutant strains.

Primers	Sequences	Remarks
sofEZ-1	5'- GCGT <u>GGATCC</u> GACTATACCCCCAGTACCAGAGGTG -3'	Underlined: BamHI site
sofEZ-2	5'- TTTCTTCCCTCACTCAAAGTTAGGATCGGCACCTTTATCAATTTCTTTA -3'	
sofEZ-3	5'- TAAAGAAATGATAAAGGTGCCGATCCTAACTTTGAGTATGAGGAAGAAA -3'	
sofEZ-4	5'- GCGT <u>GGATCC</u> TGATAGTTTCGAGCTGCCTAGCGT -3'	Underlined: BamHI site
sofFB-1	5'- GCGT <u>GGATCC</u> GGTTGATTTACAAGGCGCTATCCAC -3'	Underlined: BamHI site
sofFB-2	5'- AGTGAAGAAGCGTTTTGGTTTCGTTTCAATTGTCACTTGTGTCTGGT -3'	
sofFB-3	5'- ACCAGACACACAAGTGACAATTGAAACGAAACAAAACGCTTCTTCCACT -3'	
sofFB-4	5'- GCGT <u>GGATCC</u> ACCAGGAACAGGACTAGGAGCAGGA -3'	Underlined: BamHI site
Sofdel-1	5'- CATTACAGGAGTGGTAACGCTGGCG -3'	
Sofdel-2	5'- TATTAATTTGTTTCGTATGTATTCAATGTTTAGTTAACCTTACTTTTCATTA -3'	
Sofdel-3	5'- TAATGAAAGTAAGGTTAACTAAACATTGAATACATACGAACAAATTAATA -3'	
Sofdel-4	5'- CTTAGGGTCGCTAGACTAACGAGGGCCGAGCTCGAATTGACGCGGATCCA -3'	
Sofdel-5	5'- TGGATCCGCGTCAATTCGAGCTCGGCCCTCGTTAGTCTAGCGACCCTAAG -3'	
Sofdel-6	5'- GCTCGCTTTGACCACCTACAAGAAC -3'	
sagB-1	5'- GCGT <u>GGATCC</u> CAAACGGTGCTAAAAACGTCAAAGC-3'	Underlined: BamHI site
sagB-2	5'- GCGT <u>GGATCC</u> TCTAACGTTTTCCTCAGAGCTATGC-3'	Underlined: BamHI site