Table 1S. Primers used in this study

Primer	Sequence	Purpose
Two-hybrid system		
RP50	TTGGTACCCGACGTACCCGCGATTGCC	Amplification of *rseA* (up)
RP51	AATCTAGATATGGCTGACCCCGGAAGCGTG	Amplification of *rseA* (lo)
RP775	AAGCTTGATGGAACTCCTCGGCGGACC	Amplification of $sigE_{257}$ (up)
RP777	AAGCTTGAGTCCGACCAGCATGTCTCAT	Amplification of $sigE_{215}$ (up)
RP776	TCTAGAGTGCGAACTGGGTTGACGTGAACT	Amplification of $sigE_{257\text{-}215}$ (lo)
RT-PCR		
RP128	ACGACTTGCCAACTTATTGCAG	Couple c, Fig. 2A (up)
RP129	TCAGACGGCTCCACCCACT	Couple c, Fig. 2A (lo)
RP209	TTTGCGTTGCCGACGGTGAC	Couple b, Fig. 2A (up)
RP210	GCGGACCTGTTGGGGATGAG	Couple b and a Fig. 2A (lo)
RP218	CGGTACGCGACGGTAATTCC	Couple a, Fig. 2A (up)
5' RACE		
RP226	CCAGCTCATCCCAGGACG	RT reaction (I)
RP130	CCCCGGTGGCGTCGAATA	First amplification (sp2) (I)
RP225	CCTGCAATTGGTCAGACGGC	Second amplification (sp3) (I)
RP124	GGTCGTGATATTGAGATCCTCCGAATTT	RT reaction (II)
RP245	CGCCGAGGAGTTCCATGG	First amplification (sp2) (II)
RP246	GGGAATTACCGTCGCGTAC	Second amplification (sp3) (II)
Translational fusions/Single nucleotide mutagenesis		
RP120	AAGCTTCCGCCTTGCCTCCGCTGAGCTT	Upper primer for constructs shown in Fig. 6A, B (1), and C (1-6)
RP121	AAGCTTCCGCCGAGGAGTTCCAGTGGA	Lower primer for construct shown in Fig. 6A
RP217	AAGCTTAGCTCATCCCAGGACGGCAT	Lower primer for construct 1 shown in Fig. 6B
RP277	GATCTTTGTGGATGACCTTTAATAGATTATA	Mutagenesis, common primer 1
RP282	CAAAAATAATTCGCGTCTGGCCTTCCTGT	Mutagenesis, common primer 2
RP278	ATCGAATCTTAGCTCATCCCAGGACGGCA	Mutagenesis, common primer 3
RP279	GACGGTAATTCCC**ATC**tGAACTCCTCGGCGG	Mutagenic primer (Fig. 6, B 2)
RP281	GGACAAGGCCACC**ATT**CCGTCCTGGGATGAG	Mutagenic primer (Fig. 6, B 3)
RP289	GAGTCCGACCAGC**ATC**TCTCATCCCCAACAG	Mutagenic primer (Fig. 6, B 4)
RP280	GAGTCCGACCAGC**ATC**cTCTCATCCCCAACAG	Mutagenic primer (Fig. 6, B 5)
RP406	AAGCTTCTGGTCGGACTCAAGGTCGTGATGGT	Lower primer for construct 1 Fig. 6C
RP460	AAGCTTCTGGTCGGACTCAAGGTCGTtGATGGTCGTGATATT	Lower primer for construct 2 Fig. 6C
RP461	AAGCTTCTGGTCGGACTCAAGGTCGTGATGGTCGTtGATATT	Lower primer for construct 3 Fig. 6C
RP589	AAGCTTCTGGTCGGACTtCAAGGTCGTGATGGTCGTGATATT	Lower primer for construct 4 Fig. 6C
RP407	AAGCTTCTGGTCGGACT**TCG**GGTCGTGATGGT	Lower primer for construct 5 Fig. 6C
RP590	AAGCTTCTGGTCGGACT**TAA**GGTCGT**TAT**GGTCGTGATATT	Lower primer for construct 6 Fig. 6C

HindIII restriction sites are underlined, mutated codons are shown in bold, and nucleotides added to produce frameshift mutations are shown in small letters.