

Table S2. *Oligonucleotide primers used in this study*

Primer	Sequence ¹	Comment
Primers for real-time qRT-PCR analyses		
SCO0591 RTfor	ctcctaccggaaccgtact	
SCO0591 RTrev	gccgtgatcgacgaagtagt	
SCO0934 RTfor	gcaactgagggtctttctgg	
SCO0934 RTrev	gatgttgcctggctggtt	
SCO0934 II-RTfor	ctcaccaggacggaccatt	
SCO0934 II-RTrev	agtgttgcgcatgtgatcct	
SCO1195 RTfor	tctgtggtgctcttgcctgc	
SCO1195 RTrev	gtcagtcgctgttgatggt	
SCO1700 RTfor	catcgcatctaccagctc	
SCO1700 RTrev	ctgactatctggccgacctc	
SCO1749 RTfor	acgacaacaacgatgacgag	
SCO1749 RTrev	ggaacagctcaccgatgg	
SCO1773 RTfor	ggtccacaactcggctctct	
SCO1773 RTrev	gtaaacgacctgcccgtcat	
SCO1774 RTfor	gtgtcttcggcctcgtctac	
SCO1774 RTrev	aagtcgtccagggtggtg	
SCO1929 RTfor	gtgctcgagacgaagatgct	
SCO1929 RTrev	tatgatgtccacggagctga	
SCO2374 RTfor	ctgcggaactcaagaaac	
SCO2374 RTrev	cgaagtaccggaagaaggtg	
SCO2565 RTfor	cagtggtcgtcctcctg	
SCO2565 RTrev	gaacgcgtccagttcacc	
SCO2758 RTfor	gacgctggaggagaaggtc	
SCO2758 RTrev	cccaggcgaagtagatgatg	
SCO3750 RTfor	acggcgtacttctgtggtg	
SCO3750 RTrev	gtcgtctcgcaccagcag	
SCO3750 II RTfor	cacctgggtttcctgct	
SCO3750 II RTrev	gatccgatggacgtggt	
SCO3857 RTfor	aaggagatccagaggctga	
SCO3857 RTrev	ctgcttgtcccaccacttc	
SCO4412 RTfor	gttctgctcgtctccgaact	
SCO4412 RTrev	tcctgagtctcctcggctac	
SCO4412 II RTfor	ttcaagtgcagctggaggtc	
SCO4412 II RTrev	agttcggagacgagcagaac	
SCO5249 RTfor	ctgtacaaccagccgatgaa	
SCO5249 RTrev	aactcccgggtgtgatgag	
SCO5339 RTfor	gtctatcagcgcaacctcgt	
SCO5339 RTrev	agctgtagacgtcctgcat	
SCO5442 RTfor	gtgccgtaccttaccagga	
SCO5442 RTrev	gcgtagtcgccgaagtagtc	
SCO6167 RTfor	ggacgaggcgaagaagacc	
SCO6167 RTrev	gtcgtcgacctcagaccag	
SCO6824 RTfor	cctcatcaatccgctcactt	
SCO6824 RTrev	gtcagaagcccgtgagtc	
SCO6947 RTfor	cctactcgtggtggtagc	
SCO6947 RTrev	gcgcggagtagtagaccgta	
SCO7449 RTfor	agacctaccagcaggacgag	
SCO7449 RTrev	actccgtgagccgacttct	
SCO7588 RTfor	gaactgacctctccctgtc	
SCO7588 RTrev	gatgagggccggtacgaa	
SCO7748 RTfor	gagaacagggtggacctcaa	
SCO7748 RTrev	gacggtggtggaagagatgt	
hrdB RTfor	tggtcgaggtcatcaacaag	
hrdB RTrev	tggacctcgatgacctctc	

Primers for making probes for S1 nuclease mapping

KF240	gtgccttgaggaaactgctc	<i>eshB</i>
KF241	ctgcatctgaggaacggact	<i>eshB</i>
KF242	agcccgatctcgtcatagtg	<i>eshA</i>
KF243	ggaggtgatctcctgcatct	<i>eshA</i>
KF256	ggttcgacgacatcaaggag	SCO4157
KF257	ggttccctgtacgggttc	SCO4157
KF260	gagagctgcacaacaactgc	SCO1774
KF261	agggtcctgggacagtctga	SCO1774
HRDB1	gccatgacagagacggactcggcg	<i>hrdB</i>
HRDB2	cggccgcaaggtagtgatga	<i>hrbD</i>

Primers for RT-PCR analysis of SCO1773-1774

4-3for	ggccgaacggatgttgag
4-3rev	ccgtgacgtactcctcgtc
SCO1773 RTfor	ggtccacaactcggcttct
SCO1773 RTrev	gtaaacgacctgcccgtcat
SCO1774 RTfor	gtgtcttcggcctcgtctac
SCO1774 RTrev	aagtcgtccagggtggtg

Primers for construction of deletion mutants by λ Red-mediated recombineering

KF284	cttctcaggcagcactcaggccgtctcatccgcccggcggaagctcatg <u>attccgggatccgtcgacc</u>	SCO4157
KF285	gtcaacgcctcagcgtcgacgtcttcgcgcccgctcagttgctcgta <u>tgtaggctggagctgcttc</u>	SCO4157
KF286	aggctctcaaacgccgaaccgggctccggcgggcaccggcgtgcggtg <u>attccgggatccgtcgacc</u>	SCO1774-1773
KF287	tggcgtgacgggtgtctgttgacgtatcgctttaccgtgacgactta <u>tgtaggctggagctgcttc</u>	SCO1774-1773
KF288	gtatgccttgaatagcccactctctgagccaaggacctgatccacgtg <u>attccgggatccgtcgacc</u>	SCO1773 (used together with KF287)
KF289	aagggtggaagtcgaattaccgtacgccaccgaggagggaacccgtg <u>attccgggatccgtcgacc</u>	SCO3857
KF290	gtaacgaaacgacagaaggcggccggcgccagtagcggcgagcggggatca <u>tgtaggctggagctgcttc</u>	SCO3857
KF426	gctgacgaagcaccagctgcccggcgtgacggaaggaaccacag <u>attccgggatccgtcgacc</u>	SCO7449-7451
KF427	gaagtgagctgacccggggcccgcacgcgcgtgccggggccgt <u>tgtaggctggagctgcttc</u>	SCO7449-7451
KF446	cggcaagatttctgacggggcgtgacctgcccgatatccactc <u>attccgggatccgtcgacc</u>	SCO0934
KF447	caccggatccggggcgaagtgcgctgccgtcctgcgccgtgctg <u>tgtaggctggagctgcttc</u>	SCO0934

Primers for construction of plasmids for complementation of mutants ¹

KF487	ctgtagcattACTAGTactccaccctacctggtc
KF488	ctgtagcattGATATCgtcgtcttacctccttgggtgac
KF527	gacttctgcgacgaactgct
KF528	gtcgtcgtcatcgagaacct

Primers for construction of pKF210 and cloning of promoter fragments in this vector ¹

KF455	tagagtcgtaTCTAGAtggtcgtacggcagtcct	SCO4157p
KF456	tagagtcgta CATATGctcgtactcgcggttg	SCO4157p
KF457	tagagtcgtaTCTAGAgatgacacctggctggct	SCO3857p
KF458	tagagtcgta CATATGgctgtccttcgccgaacc	SCO3857p
KF459	tagagtcgtaTCTAGAgccaactcggagtcgtaca	SCO0934p
KF460	tagagtcgta CATATGatggtcctcctggtgag	SCO0934p
KF461	tagagtcgtaTCTAGAcgtggaccggaggacta	SCO7449p
KF462	tagagtcgta CATATGgccgtggtcaggagcat	SCO7449p

KF463	tagagtcgtaTCTAGAgagagctgcacaacaactgc	SCO1774p
KF464	tagagtcgta CATATGcaccgcctgatccgtcac	SCO1774p
KF465	tagagtcgtaTCTAGActcccgcctctctcgaat	SCO4421p
KF466	tagagtcgta CATATGgtcgcagcttctgcctggt	SCO4421p
KF467a	tagagtcgtaTCTAGAAaatccgcagcacagtgc	SCO1773p
KF468a	tagagtcgta CATATGcaccgggaactcgttgtt	SCO1773p
TL01	ctgtagcattGAATTCacttGGATCCtcatTCTAGAAGGAGGtctCATATGgtgagcaagggcgag	
TL02	gttaacgcatGCGGCCGCgtcttactgtacagctcgtccatgc	
TL03	cagtgaataaGAATTCatccggccagtaatgacctcag	
TL04	gactttagaaGCGGCCGCtccccagatctaaagtttgtcg	

¹ Added restriction sites are in shown in capitals.