

TABLE 1 Primers used in this study

Primer	Sequence (5' to 3')
Primers for gene cloning	
ccpAF	CTAGCTAGCGGCTATTTTATATGGAAAAACAAAC
ccpAR	CGAACTTAATCAGCAGACTTGG
Primers for gene mutation	
UpF	CCGCTCGAGATAAAAATAGCCCTTCTTGCTTG
UpR	GGCTTCCAGACAGACGTCAAAG
DownF	GATATCTGAAAGACTTTCACGTTTAGC
DownR	GATATCGTTCGGTTGTCTGCCAGCTAGT
85	GCATTTTGTGAAGTTTTTTTCT
87	CGACTGTACTTTCGGATCCT
108	TGGTTACCAGCCATAATCGAAG
109	GATTCAAGCACTAGAACCAAG
120	AGAACAATCAAAGCGAGAATAAGG
20	AATAGTTATCTATTATTTAACGGGAGG
CmF	TCTTAGTGACAAGGGTGATAAACTC
CmR	CCGAACCATTATATTTCTCTACATC
EmF	CGATACCGTTTACGAAATTGG
EmR	CTTGCTCATAAGTAACGGTAC
sacK1F	TTAATGGTCGCACTCATACTGAAC
sacK1R	CCAGCAGCTAAACCTTCTAAACAG
sacAF	GGATGGACACGGATAATCACATT
sacAR	TTGAGAAATAAACCAAGATAGCACC
sacPTS2F	TTAACCAGTGGGATAGGTGCTG
sacPTS2R	CGAGACGACCGTATAAATCAGC
16SF	CGCAAGGCTGAAACTCAAAGG
16SR	CTGACGACAACCATGCACCAC
Primers for target analysis and EMSA	
sacKF	CAGCTTCAATTGCACCTAAAAGC
pts1R	AACGACTCAAAGTCACAAATGTCC
pts1F	TAAGTACGCGGTCGGCAACT
sacAR	AGGGGTATAACGGGTTTTACGAT
sacAF	CAATCAGAGCATACTGGAGTCGAT
agl4F	CAACCGGGGTAACATTTGGAT
sacR2R	GGCGGTCGATCAGCTATTACAT
sacR2pF	CGCCAGGGTTTTCCAGTCACGACAACACTAGGCCGA TGGTTTAAAT
sacR2pR	AGCGGATAACAATTTACACAGGAGACTAAATGTTTT AAGGGCAAACG
sacKmutF	AAGATTGACCGGGCGCGGAAATTTCTAATTAAGAGTA TACTATT

pts1mutR	GCCCCGGTCAATCTTTTAACTTTGACGTAAATGTTGCGT
pts1mutF	AAGATTTGACGGGAGGCGGCTATTAAATTAAAAATAA TTTAGAC
sacAmutR	CCTCCCGTCAAATCTTGACCCAATAATAACAAGTTTGG AAA
pts1mut2F	CGCAACCATCCCATGATGATATGTCAATCGTTTGACAT
sacAmut2R	TTCGAATCAGCCATCCGCTATCAGTGTAAGCGGTTTAA TAA
pts1mut3F	TCATGGGATGGTTGCGAATAGTGACAATTAAGTCGAA CGT
sacAmut3R	CGCAACCATCCCATGATGATACCTACCGACTAAGCTTT T
agl4mutF	TACGGTTACCGTAAGGGGGATATAGGAGTAGTAATTAT GCAAAA
sacR2mutR	CCTTACGGTAACCGTAGGCTTTAATCAAAAGAAAAAG GC
sacR2pmutF	AATGTGTCAGTCGGAATAGGGGGGTGAGCCTAAAT
sacR2pmutR	CCGACTGACACATTGGGTAATTAATATAACGACCTTTC AAG
M13F-47 (FAM)	CGCCAGGGTTTTCCCAGTCACGAC
M13R-48	AGCGGATAACAATTTACACAGGA
Primers for ChIP	
Flag-ccpAF	CATGCCATGGACGATTACAAGGATGACGACGATAAGG GCATGGAAAAACAAACAGTAAC
Flag-ccpAR	CCGCTCGAGCGAACTTAATCAGCAGACTTGGT
403F	GAAATACCCGTCTAAGGAATTG
403R	TGGTCATGAATTAGTCTCGGA
ChIP-sacKF	AACGATCTGACAGGTTTAATCAGGC
ChIP-pts1R	TACCACCAGCTTCAATTGCACCTA
ChIP-pts1F	AATTATTTTTAATTTAATAATGCAAGCGC
ChIP-sacAR	CGTTCGACTTAATTGTCACTATTATAAAACC
ChIP-agl4F	TAAGCTTAGACTTAATCAAAAGAAAAAGTGC
ChIP-sacR2R	TGCCATCGTTATTAGCATCTTTAAATG
ChIP-PTS26PF	GTGAATTCATTTTGAAAAACCAATTTG
ChIP-PTS26PR	AAACACTAGGCCGATGGTTTAAATAC
