

Table S2. Primers sequence (5'→3') used in this study.

Primers	Sequence (5'-3')	Function
hrdB-realtime-f	CGCCGAGTCCGTCTCTGTCA	Real-time PCR for reference gene (Gene ID: 1101262)
hrdB-realtime-r	GCTCTGCGGCACTGACCATC	
trxA(sco3889)-realtime-f	GACTGACGACTCCTTCGAGC	Real-time PCR for <i>trxA</i> (sco3889) (Gene ID: 1099325)
trxA(sco3889)-realtime-r	GATGGACATGACGCCGTACT	
trxA3/C(sco0885)-realtime-f	GAACTTCGACCAGACGGTCA	Real-time PCR for <i>trxA3/trxC</i> (sco0885) (Gene ID: 1096308)
trxA3/C(sco0885)-realtime-r	GCGTCGGGATCGAACTGAT	
trxA4(sco5419)-realtime-f	CCCGGTCGTCATCGACTTC	Real-time PCR for <i>trxA4</i> (sco5419) (Gene ID: 1100859)
trxA4(sco5419)-realtime-r	GAGGAAGCGCCCGTTGTATT	
trxB(sco3890)-realtime-f	CGAGCTCATGGACAACATGC	Real-time PCR for <i>trxB</i> (sco3890) (Gene ID: 1099326)
trxB(sco3890)-realtime-r	GTCGGTGACGGTCTTGATCT	
trxB3(sco7298)-realtime-f	TGAACGGCATCGAGTTCCTC	Real-time PCR for <i>trxB3</i> (sco7298) (Gene ID: 1102736)
trxB3(sco7298)-realtime-r	TGAGCAGGTAGTGGTCCAGA	
trxB2(sco6834)-realtime-f	CCACGACTGAGGTCGAGAAC	Real-time PCR for <i>trxB2</i> (sco6834) (Gene ID: 1102273)
trxB2(sco6834)-realtime-r	TCTTGACGTCACCGGTCAGA	
trxA5(sco1084)-realtime-f	ACAGTTCTCCAGTGCCTTCTG	Real-time PCR for <i>trxA5</i> (sco1084) (Gene ID: 1096507)
trxA5(sco1084)-realtime-r	GTCGATCTCGACGTGGGC	
trxA2(sco5438)-realtime-f	GAGTTCACCGCCGACTGG	Real-time PCR for <i>trxA2</i> (sco5438) (Gene ID: 1100878)
trxA2(sco5438)-realtime-r	ATCGACAGCACCTTGTACGC	
adpA-exp-f	GTGCCGCGCGGCAGCCATATGAGC	AdpA recombinant expression (Gene ID: 1098226)
adpA-exp-r	CACGACTCCACCGCCGCGC	
	GTTAGCAGCCGGATCCTCGAGTCA	
	CGGCGCGCTGCGCTGGCCCGGG	
trxA5(sco1084)EMSA-f	TACCAGCCTTGGTGCCCGTG	155bp fragment for EMSA
trxA5(sco1084)EMSA-r	TCATGGGCGCGCGTCTGCG	
trxA3/C (sco0885)EMSA-f	TTGCTGGGCATGCACGCCAGTA	311bp fragment for EMSA
trxA3/C (sco0885)EMSA-r	CTTGGTGAGTTCCACGGTGCTGGT	
trxB(sco3890)EMSA-f	GATCACGTTTCGGACGTCGCTCA	334bp fragment for EMSA
trxB(sco3890)EMSA-r	CTACAAGGGCAGGGAAGCCTTGCT	
trxA4(sco5419)EMSA-f	GCTGCTCTGCATCCCCGACCTTA	335bp fragment for EMSA
trxA4(sco5419)EMSA-r	AGGTCGACGACCCCGCTCATGGA	
trxA2(sco5438)EMSA-f	GCGGCAGATCAGGACCCTCCAGGA	299bp fragment for EMSA
trxA2(sco5438)EMSA-r	AAGTCCGCGTCCGTCACCTCGG	
trxB2(sco6834)EMSA-f	CGCACGTCCTTGGCGGTGCTCATG	285bp fragment for EMSA
	A	
trxB2(sco6834)EMSA-r	CCGTCGAGGCCATGGCCGAGGT	277bp fragment for EMSA
trxB3(sco7298)EMSA-f	TGTCTCCCCGTCGGCCTGTGCCATA	
trxB3(sco7298)EMSA-r	TCTCCTCCGAACCGTCCGAGCCTG	
	C	
pMS82-kp-trxA F	TCTAAGTAAGGAGACATCTAGTGG	Complementary <i>trxA</i> by <i>kasOp</i> * promoter
	CCGGCACCCCTGAAGCATGTGA	

pMS82-kp-trxA R	TGAAAAACGCTCACTGGTACCTCA GTCGGCGATGAAGTCCTCGA	
pMS82-kp-trxA3 F	TCTAAGTAAGGAGACATCTAATGA CCAGCACCGTGGAATCACCA	Complementary <i>trxA3</i> by <i>kasOp</i> * promoter
pMS82-kp-trxA3 R	TGAAAAACGCTCACTGGTACCCTA CTGGCCTTCCTGGCCTTCCT	
pMS82-kp-trxA4 F	TCTAAGTAAGGAGACATCTAATGA GCGGGGTCGTCGACCTCGCCGC	Complementary <i>trxA4</i> by <i>kasOp</i> * promoter
pMS82-kp-trxA4 R	TGAAAAACGCTCACTGGTACCCTA GAACAGGGCGCGGGCGAGCG	
pMS82-kp-trxB F	TCTAAGTAAGGAGACATCTAGTGA GCGACGTCCGAAACGTGATCA	Complementary <i>trxB</i> by <i>kasOp</i> * promoter
pMS82-kp-trxB R	TGAAAAACGCTCACTGGTACCTCA GACGGCGGTCTTCTCGGGCT	

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