

Table S1 Sequences of primers used in this study.

Primer name	Primer Sequence (5' - 3')
RACE	
<i>SpGrx3</i> -3' RACE-1	ATTCATGAAGGGAGATCGGGAAGCA
<i>SpGrx3</i> -3' RACE-2	TCAGCAACTGGCCAACTTATCCAC
<i>SpGrx3</i> -5' RACE-1	TGCAGCAGACCTCACCAATAAAGTG
<i>SpGrx3</i> -5' RACE-2	GTATTGTGCCAGCTGAAGACCTGTCA
Genome walking	
GSP-R1	TGCGCGGTGTAGTGTTAGTGAT
GSP-R2	AGAGCACCAATAGCAACAGCAG
GSP-R3	AGGCTGTTGAAGAAAGCCTACTTG
Real-time PCR	
RT- <i>SpGrx3</i> -F	ATGGAGAACTGGTTGGCGGG
RT- <i>SpGrx3</i> -R	GGTGCTTCCCGATCTCCCTT
RT-Grx2-F	GCTGCAGTTGACATGGAAGGT
RT-Grx2-R	CCACCAACAAACACTCGAGGAA
RT-GST-F	CACAGCCCATTGCGCTCC
RT-GST-R	GGTCATACTTGCGTCCCAGATAG
RT-GPx-F	TCTGTTACCGCTGGTGGCTG
RT-GPx-R	TGTGAACCGTTTAGTGTTTTGGC
18S rRNA-F	GAGAAACGGCTACCACATCC
18S rRNA-R	GATACGCTCATTCGATTACAG

ORF amplification

SpGrx3-pAc5.1-F tagtccagtgtggtggaattcATGTCTGTTACTAAGGTTGC

CACTGA

SpGrx3-pAc5.1-R gaagggccctctagactcgagCTCTCCCTTCAAGGTTCCC

ATT

RNA interference

ds*SpGrx3*-F GGATCCTAATACGACTCACTATA

GGGCAGTCCCCACATTTCTGTT

ds*SpGrx3*-R GGATCCTAATACGACTCACTATA

GGACGGAAGCCCAGTATCATTG

dsGFP-F GGATCCTAATACGACTCACTATAGGG

TGGAGTGGTCCCAGTTCTTGTTGA

dsGFP-R GGATCCTAATACGACTCACTATAGGG

GCCATTCTTTGGTTTGTCTCCCAT

Dual-luciferase reporter assays

pGL3-*SpGrx3*-F1 gcgtgctagcccgggctcgag

CTGTTCCCTAGCGGCAGTCA

pGL3-*SpGrx3*-R1.1 cagtaccggaatgccaagctt

TTCAAACAGTTCAGATTTTTTTTATAAAA

pGL3-*SpGrx3*-F2 gcgtgctagcccgggctcgag

ACTGAGTAAGTTAAGAAGTTATTGGAAAATT

pGL3-*SpGrx3*-F3 gcgtgctagcccgggctcgag

GAAACAAAATCTCAAATATACGAAACAA

pGL3-*SpGrx3*-R cagtaccggaatgccaagcttGAGAAGGAAGCGGCGGTG

SpGrx3-F3.1-F GGACACtatacaACTGCTGTTGCTATTGGTGCTCT

SpGrx3-F3.1-R AGCAGTtgtataGTGTCCTCAGTGGCAGCCG
