**Table S8** Primer sequences used for RT-PCR and vector construction.

| Gene Name | Forward Primer Sequence (5'-3') | Reverse Primer Sequence(5'-3') |
|---|---|---|
| *CaGPX1* | AGGTGGGTTCTTTGGTGATGGTATC | GCTGGAGAAGTGGTTGGAGAGTAG |
| *CaGPX2* | ACTGCCCAAACCTCTCCACTTG | CGGAACCTTGCTCAGGAACATTG |
| *CaGPX3* | GTGGTTTCCTTGGAAGTGCTGTC | ACTGAAGCGGTGGTGTCTTGG |
| *CaGPX4* | TGTCGTCAATGTCGCTTCCAAATG | CCTCACTTGTCCCAGGCTCTTG |
| *CaGPX5* | GTTCAAATGCGGCACCAGTCTAC | TGAGCCATAGCGTCGGACAAC |
| *CaGPX6* | CAGCCAACCAGAGAAGCAACAATC | ACCGCATTTGGACGCAACATTG |
| *CaGPX7* | TCGTGAATGTTGCTTCCAAGTGTG | ATCATTGGTCCCTGGCTCTTCTTC |
| *CaGPX8* | ATGCTAGAGCTGCTACTGAGAAGAC | GTTGTCAAGCCACATCTGGAAGC |
| *actin* | GGAGTAATGGTAGGAATGGG | TTGCTGACAATACCATGCTC |

| Gene Name | Forward Primer Sequence (5'-3') | Reverse Primer Sequence(5'-3') |
|---|---|---|
| *CaGPX1* | AGGTGGGTTCTTTGGTGATGGTATC | GCTGGAGAAGTGGTTGGAGAGTAG |
| *CaGPX4* | TGTCGTCAATGTCGCTTCCAAATG | CCTCACTTGTCCCAGGCTCTTG |