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| PRIMER | Sequences 5’🡪3’ | Amplicon (bp) | Ta (°C) |
| 3\_FW\_SOD2\_GOBY\_RT | 5'- ACAAGATGTCTGCCGCCACA-3' | 162 | 60 |
| 3\_REV\_SOD2\_GOBY\_RT | 5'- GCTCCCACACGTCAATGCCC-3' | 60 |
| go\_GPX4b\_b\_fw | 5’- TTGGAAGTGGATGAAGGCTC-3’ | 134 | 60 |
| go\_GPX4b\_b\_rv | 5’-CACTTGGATCATCTGTGGGG-3’ | 60 |
| sq\_SOD2\_b\_fw | 5’-CACTACAGGTCTCGTCCCAC-3’ | 116 | 60 |
| sq\_SOD2\_b\_rv | 5’-CCCAGCTCACAACATTCCAG-3’ | 60 |
| 1\_FW\_GPX4\_CAV\_RT | 5'- AGCGGACATAAAGGAGTTTGCT-3' | 199 | 60 |
| 1\_RV\_GPX4\_CAV\_RT | 5'- CCTCTTCACGACCCGACCTT-3' | 60 |
| sq\_GAPDH\_b\_fw | 5’-ATCACAGCCACACAGAAGAC-3’ | 126 | 60 |
| sq\_GAPDH\_b\_rv | 5’-AGGAATGACTTTGCCCACAG-3’ | 60 |

*Table S1. Primer pairs used for qRT-PCR. Amplicon sizes and annealing temperatures (Ta) are also indicated.*