Table S10. Candidate genes involved in glutathione metabolism.

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| **Gene** | **EC number** | **Number of unique transcripts** |
| Pyrimidodiazepine synthase | 1.5.4.1 | 1 |
| Peroxiredoxin | 1.11.1.15 | 7 |
| L-ascorbate peroxidase | 1.11.1.11 | 1 |
| Spermine synthase | 2.5.1.22 | 2 |
| Spermidine synthase | 2.5.1.16 | 3 |
| Ribonucleoside-diphosphate reductase | 1.17.4.1 | 1 |
| Glutathione dehydrogenase (ascorbate) | 1.8.5.1 | 1 |
| Glutathione-disulfide reductase | 1.8.1.7 | 1 |
| Glutathione peroxidase | 1.11.1.9 | 3 |
| Glucose-6-phosphate dehydrogenase | 1.1.1.49 | 1 |
| Phosphogluconate dehydrogenase (decarboxylating) | 1.1.1.44 | 3 |
| Isocitrate dehydrogenase (NADP+) | 1.1.1.42 | 3 |
| 5-oxoprolinase (ATP-hydrolysing) | 3.5.2.9 | 1 |