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| **Table S3:** Top 20 gene ontology (GO) terms in the drought stress group | | | | | |
| GO Term ID | GO Term | Level 1 | Level 2 | Term Candidate Gene Num | P-value |
| GO:0005623 | cell | Cellular component | cell | 11879 | 0.000104761 |
| GO:0044464 | cell part | Cellular component | cell | 11808 | 0.000119327 |
| GO:0003824 | catalytic activity | Molecular function | catalytic activity | 11152 | 0.4021322 |
| GO:0005488 | binding | Molecular function | binding | 10979 | 0.09669322 |
| GO:0005622 | intracellular | Cellular component | cell | 10471 | 1.61E-08 |
| GO:0044424 | intracellular part | Cellular component | cell | 10202 | 3.64E-09 |
| GO:0009987 | cellular process | Biological process | cellular process | 9858 | 0.03790221 |
| GO:0008152 | metabolic process | Biological process | metabolic process | 9342 | 2.76E-06 |
| GO:0043226 | organelle | Cellular component | organelle | 8496 | 0.003420831 |
| GO:0043229 | intracellular organelle | Cellular component | cell | 8489 | 0.002375037 |
| GO:0071704 | organic substance metabolic process | Biological process | metabolic process | 8160 | 3.79E-11 |
| GO:0016020 | membrane | Cellular component | membrane | 7916 | 0.9999544 |
| GO:1901363 | heterocyclic compound binding | Molecular function | binding | 7909 | 0.1018766 |
| GO:0097159 | organic cyclic compound binding | Molecular function | binding | 7909 | 0.1067369 |
| GO:0044237 | cellular metabolic process | Biological process | cellular process | 7829 | 8.35E-07 |
| GO:0043227 | membrane-bounded organelle | Cellular component | organelle | 7775 | 0.8837518 |
| GO:0043231 | intracellular membrane-bounded organelle | Cellular component | cell | 7687 | 0.7229451 |
| GO:0044238 | primary metabolic process | Biological process | metabolic process | 7568 | 7.91E-06 |
| GO:0005737 | cytoplasm | Cellular component | cell | 7129 | 4.28E-18 |
| GO:0044425 | membrane part | Cellular component | membrane part | 6736 | 0.9999962 |