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| **Table S4:** Top 20 gene ontology (GO) terms in the re-water treatment group | | | | | |
| GO Term ID | GO Term | Level 1 | Level 2 | Term Candidate Gene Num | P-value |
| GO:0005623 | cell | Cellular component | cell | 6396 | 0.1237482 |
| GO:0044464 | cell part | Cellular component | cell | 6366 | 0.0847172 |
| GO:0003824 | catalytic activity | Molecular function | catalytic activity | 6211 | 0.3941873 |
| GO:0005488 | binding | Molecular function | binding | 6115 | 0.1709532 |
| GO:0005622 | intracellular | Cellular component | cell | 5536 | 0.5254451 |
| GO:0044424 | intracellular part | Cellular component | cell | 5401 | 0.343437 |
| GO:0009987 | cellular process | Biological process | cellular process | 5344 | 0.7704797 |
| GO:0008152 | metabolic process | Biological process | metabolic process | 5085 | 0.03730597 |
| GO:0071704 | organic substance metabolic process | Biological process | metabolic process | 4539 | 2.25E-09 |
| GO:1901363 | heterocyclic compound binding | Molecular function | binding | 4533 | 5.18E-05 |
| GO:0097159 | organic cyclic compound binding | Molecular function | binding | 4533 | 5.56E-05 |
| GO:0043226 | organelle | Cellular component | organelle | 4496 | 0.8344017 |
| GO:0043229 | intracellular organelle | Cellular component | cell | 4490 | 0.8290265 |
| GO:0044238 | primary metabolic process | Biological process | metabolic process | 4244 | 7.74E-08 |
| GO:0044237 | cellular metabolic process | Biological process | cellular process | 4206 | 0.2496675 |
| GO:0016020 | membrane | Cellular component | membrane | 4164 | 1 |
| GO:0043227 | membrane-bounded organelle | Cellular component | organelle | 4144 | 0.9935312 |
| GO:0043231 | intracellular membrane-bounded organelle | Cellular component | cell | 4090 | 0.9880885 |
| GO:0043167 | ion binding | Molecular function | binding | 3669 | 0.06737553 |
| GO:0005737 | cytoplasm | Cellular component | cell | 3600 | 0.871202 |