

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