

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