

Supplementary Table S5. Enriched GO terms in genes specifically upregulated by milder Cu stress

Enriched GO-BP term	Expected	Fold Enrichment	FDR
ethylene-activated signaling pathway	0.5	11.98	0.0043
response to hormone	4.56	4.17	0.000153
response to organic substance	5.27	3.6	0.000559
response to chemical	7.45	3.09	0.00056
response to stimulus	16.03	2.5	0.0000374
response to endogenous stimulus	4.59	4.14	0.00014
regulation of biological process	13.51	2.07	0.0427
biological regulation	15.18	1.98	0.0499
cellular response to ethylene stimulus	0.56	10.75	0.00656
response to ethylene	0.86	9.35	0.0011
phosphorelay signal transduction system	0.62	9.69	0.0109
response to jasmonic acid	0.62	11.31	0.00124
response to acid chemical	3.15	4.44	0.00127
response to oxygen-containing compound	4.06	3.69	0.00407
response to bacterium	1.21	5.81	0.048
response to other organism	3.44	4.65	0.000251
response to external biotic stimulus	3.45	4.64	0.00023
response to external stimulus	4.46	3.82	0.000936
response to biotic stimulus	3.58	4.74	0.000159
multi-organism process	4.72	3.39	0.00549
defense response to other organism	2.61	5.36	0.000218
defense response	4.29	4.66	0.0000571
response to stress	9.18	3.16	0.0000349
oxidation-reduction process	3.96	3.28	0.0414
metabolic process	27.26	1.94	0.000135

Analyzed by PANTHER classification system (<http://www.pantherdb.org/>).