

Supplementary Table S5. KEGG enrichment analysis of the DEGs from the salt-tolerant accession

KEGG analysis of the upregulated DEGs in leaves

Pathway	No. of total gene	No. of genes annotated in this KEGG pathway	No. of gene in the group	No. of gene in the group annotated in this KEGG pathway	GeneID	Pvalue	adjusted P
map00230#Purine metabolism	57,561	160	1,282	11	Asa4G03389;Asa0G04496;Asa0G04495;Asa5G02091;Asa7G03315;Asa4G02964;Asa7G02005;Asa7G02004;Asa5G04860;Asa7G01317;Asa0G01801	9.77E-04	0.014310219
map00480#Glutathione metabolism	57,561	220	1,282	15	Asa7G00330;AsaUG04572;Asa7G07253;Asa7G06688;Asa7G06686;Asa4G03523;Asa2G05187;Asa1G04603;Asa6G02190;Asa5G01517;Asa8G04503;Asa7G02005;Asa7G02004;Asa7G00327;Asa7G01317	1.41E-04	0.003202297
map00591#Linoleic acid metabolism	57,561	23	1,282	4	Asa5G01565;Asa7G02600;Asa5G01566;Asa0G04870	0.001546539	0.018649436
map00940#Phenylpropanoid biosynthesis	57,561	377	1,282	17	Asa3G04675;Asa3G01193;Asa2G02799;Asa2G02798;Asa3G03680;Asa8G03279;Asa7G04348;Asa6G02190;Asa3G00985;Asa2G02806;Asa2G06961;Asa8G02502;Asa8G02509;Asa5G02813;Asa8G04999;Asa8G05009;Asa3G01593	5.20E-03	0.042410778
map00941#Flavonoid biosynthesis	57,561	80	1,282	8	Asa3G02582;Asa2G02799;Asa2G02798;Asa7G04348;Asa3G00985;Asa2G02806;Asa8G02502;Asa8G02509	4.16E-04	7.11E-03
map00945#Stilbenoid, diarylheptanoid and gingerol biosynthesis	57,561	85	1,282	10	Asa2G02799;Asa2G02798;Asa7G04099;Asa2G02910;Asa7G04348;Asa2G02918;Asa3G00985;Asa2G02806;Asa8G02502;Asa8G02509	2.00E-05	5.13E-04
map00980#Metabolism of xenobiotics by cytochrome P450	57,561	145	1,282	9	Asa7G00330;Asa0G04572;Asa7G07253;Asa7G06688;Asa7G06686;Asa2G05187;Asa1G04603;Asa8G04503;Asa7G00327	0.005378928	0.042410778
map03008#Ribosome biogenesis in eukaryotes	57,561	155	1,282	31	Asa2G03679;Asa0G05107;Asa4G05947;Asa3G01548;Asa6G02030;Asa8G03065;Asa5G00832;Asa4G05585;Asa4G03432;Asa3G02152;Asa4G06437;Asa5G04416;Asa6G02510;Asa7G01739;Asa7G06821;Asa0G03894;Asa2G06687;Asa2G06683;Asa6G02281;Asa6G02280;Asa7G01872;Asa8G05583;Asa2G03046;Asa6G02282;Asa6G04934;Asa6G04933;Asa1G00699;Asa6G04538;Asa5G01063;Asa5G01062;Asa4G00339	1.16538E-20	2.38902E-18
map03013#RNA transport	57,561	282	1,282	16	Asa1G04323;Asa3G02534;Asa3G01178;Asa2G05548;Asa2G05549;Asa3G03202;Asa7G06128;Asa7G05470;Asa7G05468;Asa2G05429;Asa2G06687;Asa2G06683;Asa0G00175;Asa1G04117;Asa5G01004;Asa0G03363	0.000670175	0.010568141

map03030#DNA replication	57,561	197	1,282	21 7211	Asa2G02074;Asa6G00580;Asa2G02116;Asa7G05821;Asa4G02825;Asa0G03472;Asa2G02077;Asa7G06918;Asa5G05999;Asa7G07017;Asa2G05234;Asa7G07211	4.14E-09	4.2465E-07
map03410#Base excision repair	57,561	83	1,282	12 5G05999;Asa7G07017;Asa2G05234;Asa7G07211	Asa2G02074;Asa6G00580;Asa2G02116;Asa7G05821;Asa4G02825;Asa0G03472;Asa2G02077;Asa7G06918;Asa5G05999;Asa7G07017;Asa2G05234;Asa7G07211	3.20E-07	2.1873E-05
map04110#Cell cycle	57,561	235	1,282	19 03871;Asa4G01308;Asa4G01307	Asa2G02074;Asa6G00580;Asa2G02116;Asa7G05821;Asa4G02825;Asa0G03472;Asa2G02077;Asa7G06918;Asa5G05999;Asa7G07017;Asa2G05234;Asa7G07211	1.68E-06	5.72331E-05
map04210#Apoptosis	57,561	69	1,282	6 sa0G03472;Asa0G03363	Asa2G02074;Asa6G00580;Asa2G02116;Asa7G05821;Asa4G02825;Asa0G03472;Asa2G02077;Asa7G06918;Asa5G05999;Asa7G07017;Asa2G05234;Asa7G07211	4.39E-03	4.13E-02
map04712#Circadian rhythm - plant	57,561	60	1,282	7 sa0G03895;Asa7G00403;Asa2G02082	Asa2G02074;Asa6G00580;Asa2G02116;Asa7G05821;Asa4G02825;Asa0G03472;Asa2G02077;Asa7G06918;Asa5G05999;Asa7G07017;Asa2G05234;Asa7G07211	0.000369296	0.006882329