

Supplementary Table S2

Commonly down-regulated significant genes (≥ 2 -fold) expressed in both DH and ACE seeds treated with PEG.

AGI number	Fold change		Description (TAIR)	Biological process (Nick's classification)
	DH	ACE		
At2g13840	0.37	0.42	PHP domain-containing protein	cell cycle
At3g27660	0.27	0.19	oleosin type4 protein	lipid metabolism
At1g67090	0.3	0.37	ribose biphosphate carboxylase small chain 1A	metabolism
At4g13940	0.37	0.47	S-adenosyl-L-homocysteine hydrolase.	metabolism, transport
At3g14050	0.33	0.43	RelA/SpoT protein, putative (RSH2)	nucleic acid metabolism
At3g09390	0.37	0.24	metallothionein-like protein	physiological process
At3g61790	0.42	0.48	seven in absentia (SINA) family protein	protein metabolism, development
At1g33240	0.42	0.47	trihelix DNA-binding domains,	protein modification, physiological process
At3g53990	0.49	0.41	universal stress protein	response to stress
At5g66400	0.27	0.34	dehydrin	response to abiotic stress and endogenous stimulus
At2g33150	0.26	0.27	3-ketoacyl-CoA thiolase	response to stress, cell organization and biogenesis
At4g27160	0.33	0.34	putative NWMU3 - 2S albumin 3 precursor protein	transport
At1g47710	0.22	0.44	serpin, putative	unknown
At3g57520	0.48	0.46	putative imbibition protein homolog	unknown
At4g32620	0.34	0.49	unknown protein	unknown
At5g02380	0.32	0.31	metallothionein protein 2B	unknown
At5g64400	0.49	0.41	unknown protein	unknown
NO_ORF_HIT	0.37	0.4	23278 CD4-16 Arabidopsis thaliana cDNA clone H8A12T7	unknown
NO_ORF_HIT	0.45	0.47	22540 Lambda-PRL2 Arabidopsis thaliana cDNA clone 247N12T7	unknown
NO_ORF_HIT	0.41	0.49	20510 Lambda-PRL2 Arabidopsis thaliana cDNA clone 229L9T7	unknown
NO_ORF_HIT	0.26	0.4	10668 Lambda-PRL2 Arabidopsis thaliana cDNA clone 147O23T7	unknown
NO_ORF_HIT	0.27	0.4	18641 Lambda-PRL2 Arabidopsis thaliana cDNA clone 211I3T7	unknown
NO_ORF_HIT	0.38	0.5	21066 CD4-14 Arabidopsis thaliana cDNA clone F2F10T7	unknown