

Table 6. Transcripts slightly higher induced in the hpAtPARP2 plants during HL stress, sorted according to functional category

Functional category	Affymetrix Probe set name	AGI code (TAIR 2004-06-01)	Description	Fold change hpAtPARP2 vs C24-0h	Fold change hpAtPARP2 vs C24-2h	Fold change hpAtPARP2 vs C24-4h	Fold change hpAtPARP2 vs C24-6h
Starch metabolism (10)							
	263912_at	At2g36390	1,4-alpha-glucan branching enzyme	1.431	1.241	1.545	1.851
	247216_at	At5g64860	4-alpha-glucanotransferase / disproportionating enzyme, putative	2.395	1.408	1.391	1.832
	248687_at	At5g48300	ADP-glucose pyrophosphorylase (ADG1)	1.332	1.163	1.104	1.299
	260412_at	At1g69830	Alpha-amylase	1.919	1.053	1.250	1.366
	256746_at	At3g29320	Glucan phosphorylase, putative	1.892	1.136	1.132	1.685
	257144_at	At3g27300	Glucose-6-phosphate 1-dehydrogenase / G6PD (ACG9)	1.366	1.151	1.213	1.242
	246829_at	At5g26570	Glycoside hydrolase starch-binding domain-containing protein	1.488	1.411	1.230	1.500
	257017_at	At3g19620	Glycosyl hydrolase family 3 protein	1.662	1.496	2.076	2.628
	255070_at	At4g09020	Isoamylase / starch debranching enzyme, putative	1.878	2.218	1.549	1.728
	262784_at	At1g10760	Starch excess protein (SEX1)	1.581	1.148	1.211	1.514
Response to stress/ABA (6)							
	262629_at	At1g06460	31.2 kDa small heat shock family protein	1.307	1.058	1.281	1.330
	263495_at	At2g42530	Cold-responsive protein / cold-regulated protein (cor15b)	2.195	1.598	1.541	1.379
	245523_at	At4g15910	Drought-responsive protein / drought-induced protein (Di21)	1.007	1.107	2.101	2.240
	253581_at	At4g30660	Low temperature and salt responsive protein, putative	1.986	1.116	1.325	1.477
	266225_at	At2g28900	Mitochondrial import inner membrane translocase subunit Tim17/22	2.140	1.242	1.268	1.391
	247307_at	At5g63860	UVB-resistance protein (UVR8)	1.303	1.151	1.221	1.364
Transcription factor (1)							
	256092_at	At1g20696	High mobility group protein beta2 (HMGbeta2)	1.235	1.073	1.237	1.272
Unknown (7)							
	261203_at	At1g12845	Expressed protein	1.727	1.807	1.732	1.960
	259591_at	At1g28150	Expressed protein	1.152	1.134	1.243	1.327
	251753_at	At3g55760	Expressed protein	1.653	1.431	1.422	1.753
	251559_at	At3g58010	Expressed protein	1.148	1.169	1.391	1.249
	251155_at	At3g63160	Expressed protein	1.504	1.079	1.196	1.229
	255013_at	At4g10000	Expressed protein	1.342	1.093	1.420	1.461
	250127_at	At5g16380	Expressed protein	1.703	1.295	1.571	1.517
Miscellaneous (18)							
	252565_at	At3g46000	Actin-depolymerizing factor, putative (ADF2)	1.324	1.063	1.077	1.236
	263678_at	At1g04420	Aldo/keto reductase family protein	1.111	1.072	1.392	1.208
	252391_at	At3g47860	Apolipoprotein D-related	1.409	1.102	1.203	1.307
	267152_at	At2g31040	ATP synthase protein I -related	1.403	1.034	1.141	1.347
	266399_at	At2g38670	Ethanolamine-phosphate cytidyltransferase, putative	1.291	1.068	1.333	1.231
	246007_at	At5g08410	Ferredoxin-thioredoxin reductase, putative	1.530	1.246	1.420	1.491
	250006_at	At5g18660	Isoflavone reductase-related	1.042	1.124	1.166	1.379
	264048_at	At2g22400	NOL1/NOP2/sun family protein	-1.253	-1.110	-1.218	1.053
	250503_at	At5g09820	Plastid-lipid associated protein	-1.145	1.041	1.209	1.343
	253834_at	At4g27800	Protein phosphatase 2C PPH1	1.450	1.114	1.309	1.385
	256441_at	At3g10940	Protein phosphatase-related	1.402	1.158	1.347	1.668
	256676_at	At3g52180	Protein tyrosine phosphatase	1.825	1.111	1.235	1.570
	264045_at	At2g22450	Riboflavin biosynthesis protein, putative	2.918	1.007	1.541	1.437
	250617_at	At5g07290	RNA recognition motif (RRM)-containing protein	1.373	-1.114	1.039	1.181
	254764_at	At4g13250	Short-chain dehydrogenase/reductase (SDR) family protein	1.613	1.125	1.142	1.272
	262601_at	At1g15310	Signal recognition particle 54 kDa protein 1 (SRP54)	1.306	1.262	1.035	1.823
	266673_at	At2g29630	Thiamine biosynthesis family protein	1.197	1.156	1.552	1.712
	258398_at	At3g15360	Thioredoxin M-type 4	1.287	1.077	1.231	1.182