

Table S3. List of genes down-regulated in *herk1 the1* mutant adult plants

Microarray experiments and analyses are described in Materials and Methods. The overlaps with BL-induced (purple) or BR-repressed (red) in WT are indicated. The cell wall genes implicated in cell elongation are highlighted.

AGI	Annotation
AT3G46290	protein kinase
AT1G69530	expansin, putative (EXP1)
AT2G20750	beta-expansin, putative (EXPB1)
AT4G29520	expressed protein
AT3G43590	zinc knuckle (CCHC-type) family protein
AT5G24210	lipase class 3 family protein
AT1G69160	expressed protein
AT2G40490	uroporphyrinogen decarboxylase, putative
AT1G52290	protein kinase family protein contains
AT4G30110	ATPase E1-E2 type family protein
AT3G62600	DNAJ heat shock family protein
AT5G02760	protein phosphatase 2C family protein
AT5G18600	glutaredoxin family protein
AT4G24460	expressed protein
AT4G16870	copla-like retrotransposon family
AT5G49820	expressed protein
AT3G13120	30S ribosomal protein S10, chloroplast
AT5G11420	expressed protein
AT4G26555	immunophilin / FKBP-type peptidyl-prolyl cis-trans isomerase family protein
AT1G64510	ribosomal protein S6 family protein
AT1G63700	protein kinase, putative
AT1G70580	glutamate:glyoxylate aminotransferase 2 (GGT2)
AT1G09520	expressed protein
AT5G51550	phosphate-responsive 1 family protein
AT1G67700	expressed protein
AT2G41250	haloacid dehalogenase-like hydrolase family protein
AT1G75750	gibberellin-regulated protein 1 (GASA1)
AT5G45650	subtilase family protein
AT4G37080	expressed protein
AT5G48300	glucose-1-phosphate adenyltransferase small subunit 1 (APS1)
AT4G25050	acyl carrier family protein
AT1G56330	GTP-binding protein (SAR1B)
AT1G76110	high mobility group (HMG1)
AT5G07240	calmodulin-binding family protein
AT4G08280	expressed protein
AT5G23110	zinc finger (C3HC4-type RING finger) family protein
AT5G54380	protein kinase family protein
AT1G63260	senescence-associated family protein
AT4G19830	immunophilin / FKBP-type peptidyl-prolyl cis-trans isomerase family protein
AT4G38100	expressed protein
AT3G52720	carbonic anhydrase family protein
AT5G19750	peroxisomal membrane 22 kDa family protein
AT3G11630	2-cys peroxiredoxin, chloroplast (BAS1)
AT5G14660	Full-length cDNA Complete sequence
AT5G13390	expressed protein
AT3G13920	eukaryotic translation initiation factor 4A-1
AT5G48460	fimbrin-like protein, putative
AT5G23070	thymidine kinase, putative
AT2G43710	acyl-[acyl-carrier-protein] desaturase
AT4G37800	xyloglucan:xyloglucosyl transferase (XTH7)
AT4G39300	expressed protein
AT1G53165	protein kinase, putative
AT3G10060	immunophilin, putative
AT2G26900	putative Na ⁺ dependent ileal bile acid transporter
AT1G05630	endonuclease

AT1G49010	myb family transcription factor
AT5G27290	expressed protein
AT1G17730	SNF7 family protein
AT3G48100	two-component responsive regulator
AT5G47040	Lon protease homolog 1, mitochondrial
AT3G24180	expressed protein
AT2G47590	photolyase
AT1G01090	pyruvate dehydrogenase E1 component alpha subunit, chloroplast
AT5G14100	ABC transporter family protein
AT1G21610	wound-responsive family protein
AT1G09210	calcium ion binding (AT1G09210) mRNA
AT1G54350	ABC transporter family protein
AT1G76400	ribophorin I family protein
AT1G30120	pyruvate dehydrogenase E1 component beta subunit, chloroplast
AT1G14345	expressed protein
AT4G33580	carbonic anhydrase family protein
AT2G36850	glycosyl transferase family 48 protein
AT1G76240	expressed protein
AT5G27390	unknown protein
AT1G30610	pentatricopeptide (PPR) repeat-containing protein
AT1G64680	expressed protein
AT5G35790	glucose-6-phosphate 1-dehydrogenase
AT3G29240	expressed protein
AT5G52780	expressed protein
AT4G11460	protein kinase family protein
AT3G06070	expressed protein
AT3G11710	lysyl-tRNA synthetase, putative
AT1G28110	serine carboxypeptidase S10 family protein
AT3G54050	fructose-1,6-bisphosphatase, putative
AT2G31730	ethylene-responsive protein, putative
AT2G47910	expressed protein
AT3G48720	transferase family protein
AT5G27710	expressed protein
AT5G02180	amino acid transporter family protein
AT5G12050	expressed protein
AT2G44640	expressed protein
AT4G20360	elongation factor Tu
AT5G15910	dehydrogenase-related
AT4G09730	DEAD/DEAH box helicase
AT5G62280	expressed protein
AT5G08330	TCP family transcription factor, putative
AT2G28950	expansin, putative (EXP6)
AT1G54270	eukaryotic translation initiation factor 4A-2
AT5G56040	leucine-rich repeat protein kinase, putative
AT2G01590	expressed protein
AT5G63670	Full-length cDNA Complete sequence
AT4G39680	SAP domain-containing protein
AT4G31850	pentatricopeptide (PPR) repeat-containing protein
AT5G66530	aldose 1-epimerase family protein
AT1G32550	ferredoxin family protein
AT5G61790	calnexin 1 (CNX1)
AT3G01550	triose phosphate/phosphate translocator
AT5G15950	adenosylmethionine decarboxylase family protein
AT1G22335	expressed protein
AT1G32500	ATP-binding-cassette transporter, putative
AT4G18480	magnesium-chelatase subunit chlI, chloroplast
AT3G01810	expressed protein
AT1G07370	proliferating cell nuclear antigen 1 (PCNA1)
AT5G16620	hydroxyproline-rich glycoprotein family protein
AT1G10470	two-component responsive regulator

AT1G17360	COP1-interacting protein-related
AT1G16880	uridylyltransferase-related
AT5G58570 /// AT5G58560	expressed protein
AT4G29810	mitogen-activated protein kinase
AT2G39800 /// AT3G55610	delta 1-pyrroline-5-carboxylate synthetase A
AT1G06350 /// AT1G06360	fatty acid desaturase family protein
AT4G21210	expressed protein
AT1G18460	lipase family protein
AT5G40870	uracil phosphoribosyltransferase, putative
AT4G23750	AP2 domain-containing transcription factor
AT5G66920	multi-copper oxidase type I family protein
AT1G62180	5'-adenylylsulfate reductase 2, chloroplast
AT5G62840	phosphoglycerate/bisphosphoglycerate mutase family protein
AT3G18130	guanine nucleotide-binding family protein
AT1G72430	auxin-responsive protein-related
AT5G11450	oxygen-evolving complex-related 23 kDa polypeptide
AT1G80030	DNAJ heat shock protein, putative
AT2G44920	At2g44920 mRNA sequence.
AT1G26910	60S ribosomal protein L10 (RPL10B)
AT1G71040	multi-copper oxidase type I family protein
AT1G75210	5'-nucleotidase (AT1G75210) mRNA
AT3G05000	transport protein particle (TRAPP) component Bet3 family protein
AT1G03060	WD-40 repeat family protein
AT5G61410	ribulose-phosphate 3-epimerase, chloroplast, putative
AT1G12250	thylakoid lumenal protein-related
AT2G24762	expressed protein
AT1G19150	chlorophyll A-B binding protein, putative
AT5G55730	fasciclin-like arabinogalactan-protein (FLA1)
AT1G73020	expressed protein
AT2G40610	expansin, putative (EXP8)
AT1G08650	phosphoenolpyruvate carboxylase kinase
AT2G21960	expressed protein
AT1G19050	two-component responsive regulator
AT5G10980	histone H3
AT3G01680	expressed protein
AT5G23020	MAM-L mRNA
AT2G29290	tropinone reductase, putative
AT2G43560	immunophilin
AT1G70070	DEAD/DEAH box helicase, putative
AT5G08530	NADH-ubiquinone oxidoreductase 51 kDa subunit, mitochondrial, putative
AT5G63050	expressed protein
AT1G22690	gibberellin-responsive protein, putative
AT1G60600	UbiA prenyltransferase family protein
AT3G49680	branched-chain amino acid aminotransferase 3
AT5G24530	oxidoreductase, 2OG-Fe(II) oxygenase family protein
AT5G65310	homeobox-leucine zipper protein 5 (HB-5)
AT4G34610	homeodomain-containing protein
AT3G43220	phosphoinositide phosphatase family protein
AT1G15280	glycine-rich protein
AT4G19100	expressed protein
AT4G27520	plastocyanin-like domain-containing protein
AT3G47560	esterase
AT4G33480	expressed protein
AT3G58070	zinc finger (C2H2 type) family protein
AT4G16120	phytochelatin synthetase-related
AT3G14770	nodulin MtN3 family protein
AT1G08540	RNA polymerase sigma subunit SigB (sigB)
AT4G39040	expressed protein
AT5G66000	expressed protein
AT2G43130	Ras-related protein (ARA-4)

AT5G03350 legume lectin family protein
 AT4G34260 expressed protein
 AT2G01870 expressed protein
 AT2G47930 hydroxyproline-rich glycoprotein family protein
 AT2G46780 RNA recognition motif (RRM)-containing protein
 AT1G22590 transcription factor (AT1G22590) mRNA
 AT1G44000 expressed protein
 AT1G74670 gibberellin-responsive protein, putative
 AT4G01720 WRKY family transcription factor
 AT1G53160 squamosa promoter-binding protein-like 4 (SPL4)
 AT1G62750 elongation factor Tu family protein
 AT3G14240 subtilase family protein
 AT1G31420 leucine-rich repeat transmembrane protein kinase, putative
 AT2G48070 expressed protein
 AT3G28040 leucine-rich repeat transmembrane protein kinase, putative
 AT5G14260 SET domain-containing protein
 AT3G30720 expressed protein
 AT5G15830 bZIP transcription factor family protein
 AT1G32990 ribosomal protein L11 family protein
 AT3G50790 late embryogenesis abundant protein, putative
 AT2G33180 expressed protein
 AT1G47490 /// AT1G47500 RNA-binding protein 47 (RBP47), putative
 MORN (Membrane Occupation and Recognition Nexus) repeat-containing protein
 AT1G75010 phototropic-responsive NPH3 family protein
 AT3G19850 leucine-rich repeat transmembrane protein kinase
 AT3G49670 expressed protein
 AT5G64510 expressed protein
 AT4G38710 glycine-rich protein cylicin II
 AT1G07110 fructose-6-phosphate 2-kinase
 AT3G16850 glycoside hydrolase family 28 protein
 AT1G03400 2-oxoglutarate-dependent dioxygenase, putative
 AT3G46430 expressed protein
 AT5G20630 germin-like protein (GER3)
 AT5G19820 PBS lyase HEAT-like repeat-containing protein
 AT4G35040 bZIP transcription factor family protein
 AT3G02490 pentatricopeptide (PPR) repeat-containing protein
 AT1G43190 polypyrimidine tract-binding protein, putative
 AT5G65080 MADS box protein FCL1mRNA
 AT4G25130 peptide methionine sulfoxide reductase
 AT1G01060 myb family transcription factor
 AT4G08300 nodulin MtN21 family protein
 AT4G03080 kelch repeat-containing serine
 AT4G33220 pectinesterase family protein
 AT2G46450 cyclic nucleotide-regulated ion channel, putative (CNGC12)
 AT4G09650 ATP synthase delta chain, chloroplast, putative
 AT3G59990 methionyl aminopeptidase, putative
 AT1G70410 carbonic anhydrase, putative
 AT2G26400 metal ion binding
 AT2G15290 expressed protein
 AT5G15540 expressed protein
 AT4G34290 SWIB complex BAF60b domain-containing protein
 AT4G34820 expressed protein
 AT1G19960 expressed protein
 AT4G26700 fimbrin-like protein (FIM1)
 AT4G01810 protein transport protein-related
 AT5G18760 zinc finger (C3HC4-type RING finger) family protein
 AT2G27060 leucine-rich repeat transmembrane protein kinase, putative
 AT5G23060 unknown protein
 AT3G27020 oligopeptide transporter OPT family protein
 AT5G60590 yrdC protein-related