

Table 1. Changes of gene expression in *hos9-1*, genes with higher expression in *hos9-1* by 3-fold

AGI ID	Gene Title	<i>hos9-1</i> _vs_C24_0C-24H_Signal Log Ratio	C24-0C-24H_Signal	C24-0C-24H_Detection	<i>hos9-1</i> _0C-24H_Signal	<i>hos9-1</i> _0C-24H_Detection
At3g09870	auxin-induced (indole-3-acetic acid induced) protein family	5.6	2.7	A	130.2	P
At2g37430	C2H2-type zinc finger protein -related	4.7	11.1	A	280.4	P
At3g13370	hypothetical protein	4.7	1.1	A	35.5	P
At3g21080	expressed protein	4.7	8.8	A	342.4	P
At3g12910	expressed protein	4.1	9.2	A	148.6	P
	AFFX-Athal-25SrRNA_s_at	3.9	145.3	P	4123	P
At2g32030	GCN5-related N-acetyltransferase (GNAT) family	3.7	104	P	1401	P
At5g51190	AP2 domain transcription factor, putative	3.5	89.7	P	899.4	P
At1g05575	expressed protein	3.3	142.7	A	934.1	P
At5g46295	expressed protein	3.3	35.5	A	197.2	P
At1g35210	expressed protein	3.3	76	P	1333	P
At1g30040	gibberellin 2-oxidase (GA2-oxidase) (<i>ga2ox2</i>)	3.2	86.9	A	929.3	P
At3g28620	zinc finger (RING finger) protein family	3.2	22.7	A	161.9	P
At3g55840	nematode resistance protein-related protein	3.1	242.3	P	2236	P
At5g52760	heavy-metal-associated domain-containing protein	3	313.7	P	2518	P
At5g57220	cytochrome P450, putative	2.9	150.7	P	1488	P
At4g30430	senescence-associated protein family	2.8	102.5	A	721.5	P
At4g37290	expressed protein	2.8	30.8	A	262	P
At1g27820	hypothetical protein	2.8	32.3	A	337.6	P
At1g15010	expressed protein	2.7	242.4	P	1692	P
At4g24570	mitochondrial carrier protein family	2.7	631.6	P	4458	P
At3g55980	expressed protein	2.7	569.8	P	3894	P
At5g54490	calcium-binding protein, putative	2.7	585	P	4120	P
At5g64870	nodulin-related	2.7	161.1	P	993.2	P
At2g46400	WRKY family transcription factor	2.6	892.4	P	4361	P
At3g23250	myb family transcription factor(MYB15)	2.6	35.8	A	236.1	P
At5g22380	No apical meristem (NAM) protein family	2.6	214	P	1254	P
At4g17490	ethylene responsive element binding factor (ERF6)	2.6	65.2	A	461.7	P
At1g28370	ethylene responsive element binding factor 11, EREBP11/ERF11)	2.5	365.6	P	2024	P
At3g01830	calmodulin-related protein, putative	2.5	129	P	795.5	P
At3g28600	AAA-type ATPase family	2.5	26.5	A	156.7	P
At1g61340	F-box protein family	2.4	363.3	A	2327	P
At3g43250	hypothetical protein	2.4	43	M	270.6	P
At5g26920	calmodulin-binding protein	2.4	1241.8	P	6901	P
At1g57990	purine permease-related	2.4	579.3	P	3367	P

At2g35710	glycogenin glucosyltransferase (glycogenin) - related	2.3	162	P	1080	P
At2g20145	disease resistance protein (TIR class), putative	2.3	471.8	P	2334	P
At1g56060	hypothetical protein	2.3	749.5	P	3804	P
At1g76210	expressed protein	2.3	28.3	A	154.5	P
At3g10930	expressed protein	2.3	130.8	P	611	P
At4g23210	serine/threonine kinase - like protein	2.3	175.1	P	952	P
At3g50930	AAA-type ATPase family	2.3	1016.2	P	5180	P
At5g42380	calmodulin-related protein, putative	2.3	468.2	P	1878	P
At5g45630	hypothetical protein	2.3	108.5	P	490.8	P
At1g44130	nucellin protein, putative	2.3	27.7	A	151.4	P
At2g35715	expressed protein	2.2	70.9	A	320.5	P
At2g17040	No apical meristem (NAM) protein family	2.2	20.5	A	229.9	P
At3g22910	calcium-transporting ATPase (calcium pump), putative	2.2	1152.9	P	5720	P
At1g24140	metallo proteinase -related	2.1	173.5	P	748.4	P
At1g78410	expressed protein	2.1	157.3	P	613.6	P
At1g19380	expressed protein	2.1	238.5	P	1192	P
At1g68840	AP2 domain protein RAP2.8 (RAV2)	2.1	621.9	P	2877	P
At1g13340	expressed protein	2.1	684.6	P	2338	P
At3g17690	cyclic nucleotide-binding transporter 2 (CNBT2/CNGC19)	2.1	28.2	A	119.3	P
At1g66090	disease resistance protein (TIR-NBS class), putative	2.1	680.5	P	3025	P
At4g12190	C3HC4-type zinc finger protein family	2.1	90.1	P	302.1	P
At4g29780	expressed protein	2.1	518.2	P	2530	P
At4g39670	expressed protein	2.1	900.3	P	4212	P
At3g57450	expressed protein	2.1	524.2	P	2622	P
At1g10340	ankyrin repeat protein family	2	632.1	P	2223	P
At1g21110	O-methyltransferase 1, putative	2	111.4	P	461.7	P
At1g19770	purine permease-related	2	1271.8	P	5122	P
At3g16720	RING zinc finger protein -related	2	256.9	P	1014	P
At3g28580	AAA-type ATPase family	2	78	P	279.5	P
At1g18570	myb family transcription factor	2	125.4	A	415.9	P
At4g38560	Phospholipase like protein	2	38.2	A	173.6	P
At3g57950	hypothetical protein	2	29.4	A	122.7	P
At5g01380	transcription factor GT-3a	2	55.3	A	222.2	P
At5g39670	calcium-binding EF-hand family protein	2	889.9	P	3473	P
At5g52750	heavy-metal-associated domain-containing protein	2	668.2	P	2412	P
At4g14365	expressed protein	2	1192	P	6091	P
At2g38470	WRKY family transcription factor	1.9	1705.4	P	6282	P
At2g30020	protein phosphatase 2C (PP2C), putative	1.9	165.5	P	587.6	P
At2g02140	plant defensin protein, putative (PDF2.6)	1.9	7.7	A	43.9	P
At2g02010	glutamate decarboxylase	1.9	254.7	P	1103	P
At1g76650	calcium-binding EF-hand family protein	1.9	154.3	P	562.4	P
At3g02840	expressed protein	1.9	164	P	788.6	P
At1g30370	lipase (class 3) family	1.9	122.4	A	402.2	P
At4g27280	calcium-binding EF-hand family protein	1.9	3174.7	P	11729	P
At3g44260	CCR4-associated factor 1-related protein	1.9	138.9	P	510.5	P
At3g48640	hypothetical protein	1.9	906.7	P	3437	P
At3g50770	calmodulin-related protein, putative	1.9	240.3	P	797.4	P
At3g59080	expressed protein	1.9	177.8	P	814	P
At3g61190	BON1-associated protein 1 (BAP1)	1.9	1221.4	P	5343	P
At5g01540	receptor lectin kinase, putative	1.9	386	P	1232	P
At5g60800	heavy-metal-associated domain-containing protein	1.9	119.4	A	516.2	P

At3g56880	expressed protein	1.9	2060.1	P	7607	P
At1g58420	expressed protein	1.9	210.7	P	850.3	P
At2g45760	C2 domain-containing protein	1.9	145.9	P	515.1	P
At2g32140	disease resistance protein (TIR class), putative	1.8	73.8	P	395.4	P
At2g32190	expressed protein	1.8	1051.7	P	3318	P
At1g72920	disease resistance protein (TIR-NBS class), putative	1.8	125.4	P	451.6	P
At1g74710	isochorismate synthase 1 (isochorismate mutase) (ICS1)	1.8	541.9	P	1773	P
At1g72520	lipoxygenase (LOX), putative	1.8	301.6	P	1056	P
At1g63750	disease resistance protein (TIR-NBS-LRR class), putative	1.8	107.2	P	419.2	P
At1g73800	calmodulin-binding protein	1.8	899.8	P	3406	P
At1g01560	mitogen-activated protein kinase (MAPK), putative (MPK11)	1.8	1402	P	4621	P
At4g33050	expressed protein	1.8	689.4	P	2484	P
At3g44350	No apical meristem (NAM) protein family	1.8	85	A	367.3	P
At3g49530	No apical meristem (NAM) protein family	1.8	780	P	2858	P
At5g47230	ethylene responsive element binding factor 5 (AtERF5)	1.8	272.1	P	801	P
At5g54720	hypothetical protein	1.8	370	P	1150	P
At5g61900	copine BONZA1 (BON1)	1.8	448.8	P	1797	P
At2g41100	calmodulin-related protein 3, touch-induced (TCH3)	1.7	4135	P	10889	P
At2g25735	expressed protein	1.7	129.1	P	533.8	P
At2g32210	expressed protein	1.7	2023	P	6493	P
At1g16420	hypothetical protein common family	1.7	161.2	P	473.7	P
At1g72900	disease resistance protein (TIR-NBS class), putative	1.7	371.7	P	1186	P
At1g80840	WRKY family transcription factor	1.7	683.5	P	2491	P
At1g14370	protein kinase (APK2a)	1.7	302.4	P	1074	P
At1g73805	calmodulin-binding protein	1.7	611.6	P	2495	P
At3g28850	expressed protein	1.7	165.4	P	476.9	P
At4g05110	equilibrative nucleoside transporter ENT6 -related	1.7	50.6	A	141.7	P
At3g52430	phytoalexin-deficient 4 protein (pad4)	1.7	969.9	P	3082	P
At5g24110	WRKY family transcription factor	1.7	60.5	A	294.7	P
At5g58120	disease resistance protein (TIR-NBS-LRR class), putative	1.7	265.7	P	909.8	P
At5g66210	calcium-dependent protein kinase	1.7	436.3	P	1675	P
At5g14930	leaf senescence-associated protein (SAG101)	1.7	158	P	532.4	P
At2g41640	expressed protein	1.7	433.9	P	1227	P
At2g39650	expressed protein	1.6	293.7	P	955.8	P
At2g41010	expressed protein	1.6	247.9	P	798.8	P
At2g24800	peroxidase, putative	1.6	22.1	A	72.7	P
At1g19020	expressed protein	1.6	2219.9	P	6688	P
At3g14700	expressed protein	1.6	19.7	A	82.7	P
At3g22930	calmodulin, putative	1.6	125.3	P	413.4	P
At3g28340	galactinol synthase, putative	1.6	829.5	P	2880	P
At1g51700	Dof zinc finger protein	1.6	671.2	P	1765	P
At1g20823	RING zinc finger protein -related	1.6	158.6	P	503.8	P
At4g12720	MutT/nudix family protein	1.6	4858	P	12878	P
At4g18950	protein kinase - like protein	1.6	396.8	P	1145	P
At4g23610	expressed protein	1.6	84.6	P	185.7	P
At4g29740	cytokinin oxidase family	1.6	190.3	P	674.7	P
At3g47540	glycosyl hydrolase family 19 (chitinase)	1.6	838.8	P	3223	P
At3g48090	disease resistance protein (EDS1)	1.6	210.1	P	743.3	P
At3g52400	syntaxin of plants SYP122	1.6	1212.9	P	3891	P
At3g54150	embryonic abundant protein -related	1.6	249.9	P	907.9	P
At3g55150	exocyst subunit EXO70 family	1.6	104.9	P	380.1	P

At5g10695	expressed protein	1.6	1242.9	P	3316	P
At1g73540	MutT/nudix family protein	1.6	196.2	P	819.3	P
At3g02800	expressed protein	1.6	135	P	207.3	P