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Transcriptome analysis of *Arabidopsis thaliana* treated with green leaf volatiles: possible role of green leaf volatiles as self-made damage-associated molecular patterns

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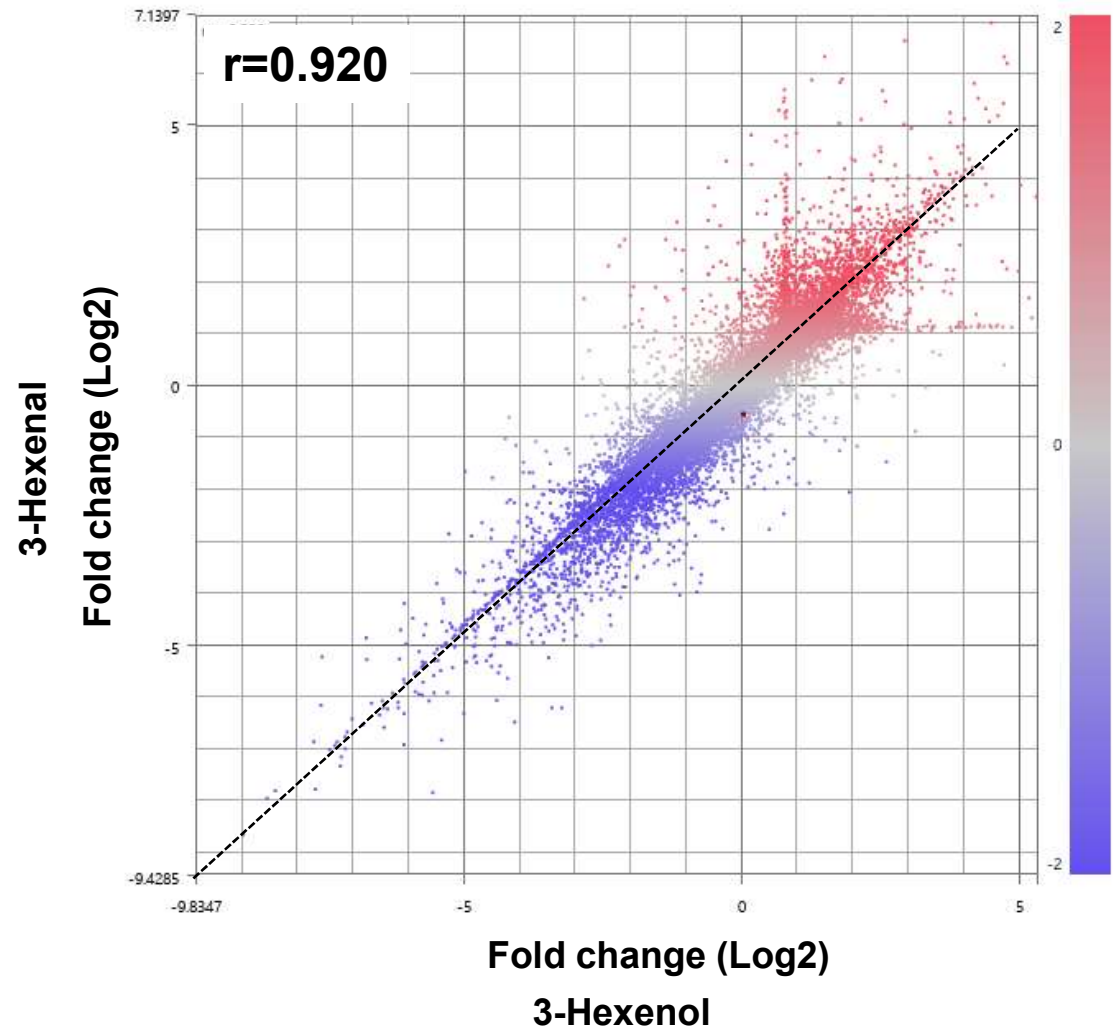


Fig. S1

High correlation of gene expression between 3-Hal and 3-Hol treatment. Dotted line indicates a theoretical line if a gene whose induction ratio is equal between 3-Hal and 3-Hol treatments.

Table S1. Top100 up-regulated genes in Arabidopsis treated by 3-hexenal

Rank	Description	Fold change (Log ₂ Ratio)	Accession
1	Arabidopsis thaliana transcription factor bHLH100 mRNA, complete cds [NM_129689]	7.12	NM_129689
2	Arabidopsis thaliana putative chitinase mRNA, complete cds [NM_129919]	6.31	NM_129919
3	Arabidopsis thaliana transcription factor ORG2 mRNA, complete cds [NM_115556]	5.87	NM_115556
4	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_201723]	5.82	NM_201723
5	Arabidopsis thaliana plant natriuretic peptide A mRNA, complete cds [NM_179648]	5.52	NM_179648
6	AYAXN56TF pooled cDNA populations Arabidopsis thaliana cDNA, mRNA sequence [EG525475]	5.39	EG525475
7	Arabidopsis thaliana core-2 β -branching beta-1,6-N-acetylglucosaminyltransferase-like protein mRNA, complete cds [NM_104189]	5.18	NM_104189
8	Arabidopsis thaliana beta 1,3-glucanase 2 mRNA, complete cds [NM_115586]	5.05	NM_115586
9	Arabidopsis thaliana nodulin MIN21-like transporter family protein mRNA, complete cds [NM_118943]	4.95	NM_118943
10	12826078 CERES-AN65 Arabidopsis thaliana cDNA clone 1361839 5', mRNA sequence [DR368472]	4.61	DR368472
11	Arabidopsis thaliana alpha-amylase 1 mRNA, complete cds [NM_118632]	4.57	NM_118632
12	Arabidopsis thaliana methionine sulfoxide reductase B8 mRNA, complete cds [NM_118304]	4.36	NM_118304
13	Arabidopsis thaliana 3'(2'),5'-bisphosphate nucleotidase mRNA, complete cds [NM_125796]	4.29	NM_125796
14	Arabidopsis thaliana cysteine-rich receptor-like protein kinase 7 mRNA, complete cds [NM_118444]	4.23	NM_118444
15	Arabidopsis thaliana Full-length cDNA Complete sequence from clone GSLTPGH78ZH03 of Hormone Treated Callus of strain col-0 of Arabidopsis thaliana (thale c	4.21	BX832525
16	Rep: Asparagine synthetase [glutamine-hydrolyzing] - Sandersonia aurantiaca (Christmas-bells) (Chinese-lantern lily), partial (5%) [TC393092]	4.09	TA29936_3
17	Rep: Chromosome chr14 scaffold_9, whole genome shotgun sequence - Vitis vinifera (Grape), partial (42%) [TC383079]	3.93	TA29106_3
18	Arabidopsis thaliana ROTUNDIFOLIA like 21 protein mRNA, complete cds [NM_001084313]	3.89	NM_001084
19	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_122326]	3.83	NM_122326
20	Rep: Cysteine-rich receptor-like protein kinase 19 precursor - Arabidopsis thaliana (Mouse-ear cress), partial (21%) [TC392962]	3.79	T43643
21	GB transposable element gene	3.79	NP456970
22	Arabidopsis thaliana vacuolar cation/proton exchanger 3 mRNA, complete cds [NM_115045]	3.75	NM_115045
23	Arabidopsis thaliana cysteine-rich receptor-like protein kinase 4 mRNA, complete cds [NM_114455]	3.73	NM_114455
24	Arabidopsis thaliana glucose-6-phosphate/phosphate translocator 2 mRNA, complete cds [NM_104862]	3.72	NM_104862
25	Arabidopsis thaliana cytochrome P450, family 76, subfamily C, polypeptide 6 mRNA, complete cds [NM_103092]	3.68	NM_103092
26	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_102532]	3.65	NM_102532
27	Arabidopsis thaliana chaperone DnaJ-domain containing protein mRNA, complete cds [NM_105769]	3.63	NM_105769
28	Arabidopsis thaliana threonyl-tRNA synthetase mRNA, complete cds [NM_101659]	3.54	NM_101659
29	Arabidopsis thaliana bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein mRNA, complete cds [NM_104930]	3.49	NM_104930
30	Arabidopsis thaliana putative calcium-binding protein CML41 mRNA, complete cds [NM_114937]	3.45	NM_114937
31	Arabidopsis thaliana glucose-6-phosphate/phosphate translocator 2 mRNA, complete cds [NM_104862]	3.44	NM_104862
32	Arabidopsis thaliana receptor like protein 41 mRNA, complete cds [NM_113405]	3.42	NM_113405
33	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_101075]	3.39	NM_101075
34	Arabidopsis thaliana pathogenesis-related protein 5 mRNA, complete cds [NM_106161]	3.39	NM_106161
35	Arabidopsis thaliana receptor like protein 28 mRNA, complete cds [NM_128868]	3.37	NM_128868
36	Arabidopsis thaliana aspartyl protease family protein mRNA, complete cds [NM_121114]	3.34	NM_121114
37	Arabidopsis thaliana putative galactinol-sucrose galactosyltransferase 6 mRNA, complete cds [NM_001036833]	3.30	NM_001036
38	Arabidopsis thaliana putative E3 ligase BRUTUS mRNA, complete cds [NM_112713]	3.22	NM_112713
39	Arabidopsis thaliana unknown protein (At1g03580) mRNA, partial cds [AY091013]	3.21	AY091013
40	Arabidopsis thaliana ABC transporter G family member 40 mRNA, complete cds [NM_101421]	3.20	NM_101421
41	104265 CERES-148 Arabidopsis thaliana cDNA clone 11227 3', mRNA sequence [DR371761]	3.16	DR371761
42	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_117454]	3.15	NM_117454
43	Arabidopsis thaliana glutamate dehydrogenase 2 mRNA, complete cds [NM_001125712]	3.14	NM_001125
44	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_001125900]	3.13	NM_001125
45	Arabidopsis thaliana glycerophosphoryl diester phosphodiesterase family protein mRNA, complete cds [NM_203136]	3.12	NM_203136
46	Arabidopsis thaliana asparagine synthetase [glutamine-hydrolyzing] mRNA, complete cds [NM_180333]	3.11	NM_180333
47	Arabidopsis thaliana putative cysteine-rich receptor-like protein kinase 23 mRNA, complete cds [NM_118460]	3.11	NM_118460
48	Arabidopsis thaliana carbohydrate-binding X8 domain-containing protein mRNA, complete cds [NM_105358]	3.11	NM_105358
49	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_127631]	3.10	NM_127631
50	Arabidopsis thaliana putative galactinol-sucrose galactosyltransferase 6 mRNA, complete cds [NM_001036833]	3.10	NM_001036
51	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_113988]	3.09	NM_113988
52	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_001124821]	3.08	NM_001124
53	Arabidopsis thaliana TRAF-like family protein mRNA, complete cds [NM_116369]	3.08	NM_116369
54	Arabidopsis thaliana Inositol monophosphatase family protein mRNA, complete cds [NM_120965]	3.06	NM_120965
55	Arabidopsis thaliana cyclic nucleotide-gated channel 14 mRNA, complete cds [NM_179725]	3.05	NM_179725
56	Arabidopsis thaliana receptor like protein 23 mRNA, complete cds [NM_128827]	3.04	NM_128827
57	Arabidopsis thaliana phosphoglucan, water dikinase mRNA, complete cds [NM_001125808]	3.03	NM_001125
58	Arabidopsis thaliana cysteine-rich receptor-like protein kinase 36 mRNA, complete cds [NM_116687]	2.99	NM_116687
59	Arabidopsis thaliana receptor like protein 23 mRNA, complete cds [NM_128827]	2.96	NM_128827
60	Arabidopsis thaliana tricyclic synthase mRNA, complete cds [NM_001036574]	2.92	NM_001036
61	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_001203978]	2.91	NM_001203
62	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_202810]	2.88	NM_202810
63	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_101075]	2.88	NM_101075
64	Arabidopsis thaliana Leucine-rich repeat (LRR) family protein mRNA, complete cds [NM_001161047]	2.87	NM_001161
65	Arabidopsis thaliana clone asmb1_2759 defensin-like mRNA sequence [EF182842]	2.86	EF182842
66	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_119559]	2.86	NM_119559
67	Arabidopsis thaliana glycerophosphoryl diester phosphodiesterase family protein mRNA, complete cds [NM_203136]	2.80	NM_203136
68	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_179449]	2.79	NM_179449
69	Arabidopsis thaliana protein MOTHER of FT and TF 1 mRNA, complete cds [NM_101672]	2.79	NM_101672
70	Arabidopsis thaliana phloem protein 2-A13 mRNA, complete cds [NM_202741]	2.79	NM_202741
71	Arabidopsis thaliana GHMP kinase family protein mRNA, complete cds [NM_121451]	2.77	NM_121451
72	Arabidopsis thaliana cytochrome P450, family 76, subfamily C, polypeptide 6 mRNA, complete cds [NM_103092]	2.76	NM_103092
73	Arabidopsis thaliana calmodulin-like protein 8 mRNA, complete cds [NM_117546]	2.73	NM_117546
74	Arabidopsis thaliana FLG22-induced receptor-like kinase 1 mRNA, complete cds [NM_127476]	2.73	NM_127476
75	Arabidopsis thaliana proline dehydrogenase 1 mRNA, complete cds [NM_113981]	2.72	NM_113981
76	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_202299]	2.72	NM_202299
77	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_117454]	2.71	NM_117454
78	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_001085016]	2.71	NM_001085
79	Arabidopsis thaliana auxin efflux carrier family protein mRNA, complete cds [NM_106303]	2.71	NM_106303
80	Arabidopsis thaliana E3 ubiquitin-protein ligase RMA1 mRNA, complete cds [NM_202777]	2.69	NM_202777
81	Arabidopsis thaliana isovaleryl-CoA-dehydrogenase mRNA, complete cds [NM_114399]	2.69	NM_114399
82	Arabidopsis thaliana putative pectin methylesterase/invertase inhibitor mRNA, complete cds [NM_100953]	2.68	NM_100953
83	Arabidopsis thaliana vesicle-associated protein 1-4 mRNA, complete cds [NM_104005]	2.68	NM_104005
84	Arabidopsis thaliana putative galactinol-sucrose galactosyltransferase 2 mRNA, complete cds [NM_115612]	2.67	NM_115612
85	BP661111 RAFL21 Arabidopsis thaliana cDNA clone RAFL21-04-K10 3', mRNA sequence [BP661111]	2.67	BP661111
86	Arabidopsis thaliana receptor kinase 3 mRNA, complete cds [NM_118258]	2.65	NM_118258
87	Arabidopsis thaliana putative 2OG-Fe(II) oxygenase mRNA, complete cds [NM_122361]	2.65	NM_122361
88	Arabidopsis thaliana ring finger and CHY zinc finger domain-containing protein 1 mRNA, complete cds [NM_122198]	2.65	NM_122198
89	Arabidopsis thaliana pollen Ole e 1 allergen and extensin family protein mRNA, complete cds [NM_130322]	2.64	NM_130322
90	AYBMB33TR pooled cDNA populations Arabidopsis thaliana cDNA, mRNA sequence [EG514269]	2.64	EG514269
91	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_106347]	2.63	NM_106347
92	Arabidopsis thaliana putative galactinol-sucrose galactosyltransferase 6 mRNA, complete cds [NM_001036833]	2.63	NM_001036
93	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_126931]	2.62	NM_126931
94	Arabidopsis thaliana UDP-dependent glycosyltransferase 76B1 mRNA, complete cds [NM_111968]	2.62	NM_111968
95	Arabidopsis thaliana NB-ARC domain-containing disease resistance protein mRNA, complete cds [NM_118856]	2.61	NM_118856
96	Arabidopsis thaliana MATE efflux family protein mRNA, complete cds [NM_106029]	2.60	NM_106029
97	AV566399 Arabidopsis thaliana green silques Columbia Arabidopsis thaliana cDNA clone SQ242110F 3', mRNA sequence [AV566399]	2.60	AV566399
98	Arabidopsis thaliana protochlorophyllide reductase A mRNA, complete cds [NM_124799]	2.59	NM_124799
99	Arabidopsis thaliana cysteine-rich receptor-like protein kinase 6 mRNA, complete cds [NM_179095]	2.59	NM_179095
100	Arabidopsis thaliana pseudo-response regulator 7 mRNA, complete cds [NM_120359]	2.58	NM_120359

Table S2. Top100 up-regulated genes in Arabidopsis treated by 3-hexenol

Rank	Description	Fold change (Log ₂ ratio)	Accession
1	Arabidopsis thaliana putative chitinase mRNA, complete cds [NM_129919]	4.74	NM_129919
2	Arabidopsis thaliana core-2/1-branching beta-1,6-N-acetylglucosaminyltransferase-like protein m	4.62	NM_104189
3	Arabidopsis thaliana chaperone DnaJ-domain containing protein mRNA, complete cds [NM_105	4.51	NM_105769
4	Arabidopsis thaliana nodulin MN21-like transporter family protein mRNA, complete cds [NM_11	4.37	NM_118943
5	Arabidopsis thaliana plant natriuretic peptide A mRNA, complete cds [NM_179648]	4.27	NM_179648
6	12826078 CERES-AN65 Arabidopsis thaliana cDNA clone 1361839 5', mRNA sequence [DR36f	4.19	DR368472
7	Arabidopsis thaliana terpene synthase 10 mRNA, complete cds [NM_127982]	3.89	NM_127982
8	Arabidopsis thaliana glucose-6-phosphate/phosphate translocator 2 mRNA, complete cds [NM_	3.80	NM_104862
9	Arabidopsis thaliana beta 1,3-glucanase 2 mRNA, complete cds [NM_115586]	3.76	NM_115586
10	Arabidopsis thaliana ROTUNDIFOLIA like 21 protein mRNA, complete cds [NM_001084313]	3.76	NM_001084313
11	AYAXN56TF pooled cDNA populations Arabidopsis thaliana cDNA, mRNA sequence [EG52547:	3.70	EG525475
12	GB transposable element gene	3.68	NP456970
13	Arabidopsis thaliana bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like pro	3.66	NM_104930
14	Arabidopsis thaliana TRAF-like family protein mRNA, complete cds [NM_116369]	3.62	NM_116369
15	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_122326]	3.61	NM_122326
16	Arabidopsis thaliana methionine sulfoxide reductase B8 mRNA, complete cds [NM_118304]	3.41	NM_118304
17	Arabidopsis thaliana cysteine-rich receptor-like protein kinase 4 mRNA, complete cds [NM_1144	3.38	NM_114455
18	Arabidopsis thaliana glucose-6-phosphate/phosphate translocator 2 mRNA, complete cds [NM_	3.38	NM_104862
19	Rep: Cysteine-rich receptor-like protein kinase 19 precursor - Arabidopsis thaliana (Mouse-ear c	3.32	T43643
20	Rep: Asparagine synthetase [glutamine-hydrolyzing] - Sandersonia aurantiaca (Christmas-bells)	3.30	TA29936_3702
21	Arabidopsis thaliana receptor like protein 33 mRNA, complete cds [NM_111439]	3.23	NM_111439
22	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_125622]	3.22	NM_125622
23	Arabidopsis thaliana histidine-containing phosphotransfer protein 4 mRNA, complete cds [NM_1	3.20	NM_112507
24	Arabidopsis thaliana receptor like protein 33 mRNA, complete cds [NM_111439]	3.18	NM_111439
25	Arabidopsis thaliana putative galactinol--sucrose galactosyltransferase 6 mRNA, complete cds [	3.17	NM_001036833
26	Rep: SRKb - Arabidopsis lyrata (Lyre-leaved rock-cress), partial (13%) [TC391578]	3.13	TC391578
27	Arabidopsis thaliana unknown protein (A1g03580) mRNA, partial cds [AY091013]	3.09	AY091013
28	Arabidopsis thaliana Inositol monophosphatase family protein mRNA, complete cds [NM_12096	3.07	NM_120965
29	Arabidopsis thaliana Ran BP2/NZF zinc finger-like protein mRNA, complete cds [NM_201808]	3.04	NM_201808
30	Rep: Lipoprotein-releasing system ATP-binding protein lOid - Treponema denticola, partial (6%)	3.03	BP583159
31	Arabidopsis thaliana asparagine synthetase [glutamine-hydrolyzing] mRNA, complete cds [NM_	3.02	NM_180333
32	Arabidopsis thaliana ribonuclease 1 mRNA, complete cds [NM_126351]	2.99	NM_126351
33	Arabidopsis thaliana isovaleryl-CoA-dehydrogenase mRNA, complete cds [NM_114399]	2.99	NM_114399
34	Arabidopsis thaliana Full-length cDNA complete sequence from clone GSLTPGH78ZH03 of Ho	2.99	BX832525
35	104265 CERES-148 Arabidopsis thaliana cDNA clone 11227 3', mRNA sequence [DR371761]	2.99	DR371761
36	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_117454]	2.97	NM_117454
37	Arabidopsis thaliana putative pectin methyltransferase/invertase inhibitor mRNA, complete cds [N	2.94	NM_100953
38	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_102532]	2.94	NM_102532
39	Arabidopsis thaliana chaperone DnaJ-domain containing protein mRNA, complete cds [NM_112	2.93	NM_112176
40	Arabidopsis thaliana tricyclic synthase mRNA, complete cds [NM_001036574]	2.93	NM_001036574
41	Arabidopsis thaliana cytochrome P450, family 76, subfamily C, polypeptide 6 mRNA, complete	2.92	NM_103092
42	Arabidopsis thaliana chaperone DnaJ-domain containing protein mRNA, complete cds [NM_001	2.91	NM_001036191
43	Arabidopsis thaliana plastocyanin-like domain-containing protein mRNA, complete cds [NM_11f	2.87	NM_116368
44	Arabidopsis thaliana putative galactinol--sucrose galactosyltransferase 6 mRNA, complete cds [	2.87	NM_001036833
45	Arabidopsis thaliana glutamate dehydrogenase 2 mRNA, complete cds [NM_001125712]	2.83	NM_001125712
46	BP661111 RAFL21 Arabidopsis thaliana cDNA clone RAFL21-04-K10 3', mRNA sequence [BP6	2.77	BP661111
47	Arabidopsis thaliana cysteine-rich receptor-like protein kinase 7 mRNA, complete cds [NM_1184	2.77	NM_118444
48	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_127631]	2.75	NM_127631
49	Arabidopsis thaliana phosphoglucan, water dikinase mRNA, complete cds [NM_001125808]	2.74	NM_001125808
50	Arabidopsis thaliana Haloacid dehalogenase-like hydrolase (HAD) superfamily protein mRNA, c	2.73	NM_129210
51	Arabidopsis thaliana heat shock protein 70-4 mRNA, complete cds [NM_112093]	2.70	NM_112093
52	Arabidopsis thaliana phloem protein 2-A13 mRNA, complete cds [NM_202741]	2.69	NM_202741
53	AV566399 Arabidopsis thaliana green siliques Columbia Arabidopsis thaliana cDNA clone SQ24	2.65	AV566399
54	Rep: Chromosome chr14 scaffold_9, whole genome shotgun sequence - Vitis vinifera (Grape), f	2.64	TA29106_3702
55	Arabidopsis thaliana carboxylate clamp-tetrapeptide repeat protein mRNA, complete cds [N	2.64	NM_117310
56	Arabidopsis thaliana putative galactinol--sucrose galactosyltransferase 2 mRNA, complete cds [	2.64	NM_115612
57	Arabidopsis thaliana CBL-interacting serine/threonine-protein kinase 25 mRNA, complete cds [N	2.59	NM_122420
58	Arabidopsis thaliana dicarboxylate carrier 3 mRNA, complete cds [NM_120984]	2.59	NM_120984
59	Arabidopsis thaliana chaperone DnaJ-domain containing protein mRNA, complete cds [NM_001	2.59	NM_001124117
60	Arabidopsis thaliana receptor kinase 3 mRNA, complete cds [NM_118258]	2.59	NM_118258
61	Arabidopsis thaliana clone asml_2759 defensin-like mRNA sequence [EF182842]	2.59	EF182842
62	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_001203978]	2.58	NM_001203978
63	Arabidopsis thaliana Leucine-rich repeat (LRR) family protein mRNA, complete cds [NM_00116	2.58	NM_001161047
64	Arabidopsis thaliana serine carboxypeptidase-like 34 mRNA, complete cds [NM_001085147]	2.58	NM_001085147
65	Arabidopsis thaliana phototropic-responsive NPH3 family protein mRNA, complete cds [NM_11f	2.55	NM_112875
66	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_119559]	2.55	NM_119559
67	Arabidopsis thaliana putative galactinol--sucrose galactosyltransferase 6 mRNA, complete cds [	2.55	NM_001036833
68	Arabidopsis thaliana heat stress transcription factor A-2 mRNA, complete cds [NM_001124916]	2.55	NM_001124916
69	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_117454]	2.54	NM_117454
70	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_105710]	2.53	NM_105710
71	Arabidopsis thaliana transcription factor bHLH100 mRNA, complete cds [NM_129689]	2.52	NM_129689
72	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_113988]	2.52	NM_113988
73	Arabidopsis thaliana aspartyl protease family protein mRNA, complete cds [NM_121114]	2.50	NM_121114
74	Arabidopsis thaliana 3'(2),5'-bisphosphate nucleotidase mRNA, complete cds [NM_125796]	2.50	NM_125796
75	Arabidopsis thaliana alpha-amylase 1 mRNA, complete cds [NM_118632]	2.50	NM_118632
76	Arabidopsis thaliana putative galactinol--sucrose galactosyltransferase 6 mRNA, complete cds [	2.50	NM_001036833
77	Arabidopsis thaliana serine-rich protein-like protein mRNA, complete cds [NM_180741]	2.49	NM_180741
78	Arabidopsis thaliana dehydration-responsive element-binding protein 2C mRNA, complete cds [	2.48	NM_129594
79	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_112001]	2.46	NM_112001
80	Arabidopsis thaliana transcription repressor KAN1 mRNA, complete cds [NM_121662]	2.46	NM_121662
81	Arabidopsis thaliana mRNA, clone: RAFL17-50-E02 [AK117807]	2.45	AK117807
82	Arabidopsis thaliana histone H1-3 mRNA, complete cds [NM_127361]	2.45	NM_127361
83	Arabidopsis thaliana putative galactinol--sucrose galactosyltransferase 6 mRNA, complete cds [	2.44	NM_001036833
84	Arabidopsis thaliana pseudo-response regulator 7 mRNA, complete cds [NM_120359]	2.44	NM_120359
85	Arabidopsis thaliana E3 ubiquitin-protein ligase RMA1 mRNA, complete cds [NM_202777]	2.44	NM_202777
86	Arabidopsis thaliana mRNA, clone: RAFL16-71-J15 [AK117171]	2.42	AK117171
87	Arabidopsis thaliana MATE efflux family protein mRNA, complete cds [NM_106029]	2.41	NM_106029
88	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_113959]	2.41	NM_113959
89	Arabidopsis thaliana Basic-leucine zipper (bZIP) transcription factor family protein mRNA, comp	2.41	NM_119756
90	Arabidopsis thaliana asparagine synthetase [glutamine-hydrolyzing] mRNA, complete cds [NM_	2.40	NM_180333
91	Arabidopsis thaliana carboxylate clamp-tetrapeptide repeat protein mRNA, complete cds [N	2.40	NM_001036543
92	Arabidopsis thaliana putative galactinol--sucrose galactosyltransferase 6 mRNA, complete cds [	2.40	NM_001036833
93	Arabidopsis thaliana PB1_UP2 domain-containing protein mRNA, complete cds [NM_113558]	2.40	NM_113558
94	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_117693]	2.40	NM_117693
95	Arabidopsis thaliana proline dehydrogenase 1 mRNA, complete cds [NM_113981]	2.40	NM_113981
96	Arabidopsis thaliana peptidyl-prolyl cis-trans isomerase FKBP65 mRNA, complete cds [NM_124	2.40	NM_124233
97	205a18.p1 AtM1 Arabidopsis thaliana cDNA clone MPMGp2011A18205 5-PRIME, mRNA sequ	2.39	CK121013
98	Arabidopsis thaliana UDP-dependent glycosyltransferase 76B1 mRNA, complete cds [NM_1119	2.38	NM_111968
99	Arabidopsis thaliana auxin-like 1 protein mRNA, complete cds [NM_106186]	2.37	NM_106186
100	Arabidopsis thaliana root meristem growth factor 5 mRNA, complete cds [NM_001125942]	2.37	NM_001125942

Table S3. Top100 up-regulated genes in Arabidopsis treated by 2-hexenal

Rank	Description	Fold change (Log2 Ratio)	Accession
1	Arabidopsis thaliana chaperone DnaJ-domain containing protein mRNA, complete cds [NM_105769]	10.21	NM_105769
2	Arabidopsis thaliana HSP20-like chaperone mRNA, complete cds [NM_104679]	8.45	NM_104679
3	Arabidopsis thaliana class I heat shock protein mRNA, complete cds [NM_100614]	8.42	NM_100614
4	Arabidopsis thaliana HSP20 family protein mRNA, complete cds [NM_128504]	8.17	NM_128504
5	Arabidopsis thaliana heat shock protein 23.5 mRNA, complete cds [NM_124523]	8.15	NM_124523
6	Arabidopsis thaliana heat stress transcription factor A-2 mRNA, complete cds [NM_001124916]	7.70	NM_001124916
7	Arabidopsis thaliana chaperone protein ClpB1 mRNA, complete cds [NM_106091]	7.50	NM_106091
8	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_001125962]	7.44	NM_001125962
9	Arabidopsis thaliana heat shock protein 70B mRNA, complete cds [NM_101471]	7.42	NM_101471
10	Arabidopsis thaliana BCL-2-associated athanogene 6 mRNA, complete cds [NM_130187]	7.31	NM_130187
11	Arabidopsis thaliana BCL-2-associated athanogene 6 mRNA, complete cds [NM_130187]	7.05	NM_130187
12	Arabidopsis thaliana BCL-2-associated athanogene 6 mRNA, complete cds [NM_130187]	7.03	NM_130187
13	Arabidopsis thaliana carboxylate clamp-tetratricopeptide repeat protein mRNA, complete cds [NM_001117310]	7.01	NM_001036543
14	Arabidopsis thaliana carboxylate clamp-tetratricopeptide repeat protein mRNA, complete cds [NM_117310]	6.97	NM_117310
15	Arabidopsis thaliana heat-shock protein 70T-2 mRNA, complete cds [NM_128771]	6.82	NM_128771
16	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_120604]	6.75	NM_120604
17	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_179014]	6.70	NM_179014
18	Arabidopsis thaliana heat shock protein 90.1 mRNA, complete cds [NM_124642]	6.57	NM_124642
19	Arabidopsis thaliana peptidyl-prolyl cis-trans isomerase FKBP65 mRNA, complete cds [NM_124233]	6.47	NM_124233
20	Arabidopsis thaliana cytochrome bd ubiquinol oxidase mRNA, complete cds [NM_122455]	6.28	NM_122455
21	Arabidopsis thaliana heat shock protein 70-4 mRNA, complete cds [NM_112093]	6.23	NM_112093
22	Arabidopsis thaliana heat shock protein 15.7 mRNA, complete cds [NM_123126]	6.16	NM_123126
23	Arabidopsis thaliana dehydration-responsive element-binding protein 2A mRNA, complete cds [NM_120623]	6.11	NM_120623
24	Arabidopsis thaliana J domain protein ATERDJ3A mRNA, complete cds [NM_111731]	6.10	NM_111731
25	Arabidopsis thaliana GHMP kinase family protein mRNA, complete cds [NM_121451]	6.09	NM_121451
26	Arabidopsis thaliana NAC domain-containing protein 4 mRNA, complete cds [NM_100104]	6.09	NM_100104
27	Arabidopsis thaliana protein TUNICAMYCIN INDUCED 1 mRNA, complete cds [NM_125847]	6.04	NM_125847
28	Arabidopsis thaliana DNAJ heat shock family protein mRNA, complete cds [NM_127616]	6.03	NM_127616
29	Arabidopsis thaliana UDP-glucosyltransferase 73C5 mRNA, complete cds [NM_129235]	5.76	NM_129235
30	Arabidopsis thaliana UDP-glucosyltransferase 73B4 mRNA, complete cds [NM_201740]	5.73	NM_201740
31	Arabidopsis thaliana zinc finger protein ZAT11 mRNA, complete cds [NM_129298]	5.72	NM_129298
32	Arabidopsis thaliana dehydration-responsive element-binding protein 2A mRNA, complete cds [NM_001036760]	5.70	NM_001036760
33	Arabidopsis thaliana DNAJ heat shock family protein mRNA, complete cds [NM_127616]	5.62	NM_127616
34	Arabidopsis thaliana protein Fes1A mRNA, complete cds [NM_001161128]	5.62	NM_001161128
35	Arabidopsis thaliana heat shock protein 90.1 mRNA, complete cds [NM_124642]	5.61	NM_124642
36	Arabidopsis thaliana UDP-glucosyl transferase 73B5 mRNA, complete cds [NM_001202599]	5.60	NM_001202599
37	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_121477]	5.53	NM_121477
38	Arabidopsis thaliana putative calcium-binding protein CML44 mRNA, complete cds [NM_102004]	5.53	NM_102004
39	Arabidopsis thaliana protein Fes1A mRNA, complete cds [NM_001161128]	5.50	NM_001161128
40	Arabidopsis thaliana UDP-glucosyl transferase 73B5 mRNA, complete cds [NM_127108]	5.50	NM_127108
41	Arabidopsis thaliana protein lifeguard 4 mRNA, complete cds [NM_001197967]	5.48	NM_001197967
42	Arabidopsis thaliana dehydration-responsive element-binding protein 2A mRNA, complete cds [NM_001036760]	5.41	NM_001036760
43	Arabidopsis thaliana CIII heat shock protein 17.4 mRNA, complete cds [NM_104282]	5.39	NM_104282
44	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_118479]	5.29	NM_118479
45	Arabidopsis thaliana cytochrome P450 CYP81D11 mRNA, complete cds [NM_113795]	5.26	NM_113795
46	Arabidopsis thaliana S2P-like putative metalloprotease mRNA, complete cds [NM_101650]	5.17	NM_101650
47	Arabidopsis thaliana multiprotein-bridging factor 1c mRNA, complete cds [NM_113358]	5.03	NM_113358
48	Arabidopsis thaliana dehydration-responsive element-binding protein 2C mRNA, complete cds [NM_129594]	5.02	NM_129594
49	Arabidopsis thaliana NAC domain-containing protein 102 mRNA, complete cds [NM_125774]	4.95	NM_125774
50	Arabidopsis thaliana tolB-related protein mRNA, complete cds [NM_116417]	4.94	NM_116417
51	Arabidopsis thaliana UDP-glucosyl transferase 73B3 mRNA, complete cds [NM_119574]	4.89	NM_119574
52	Arabidopsis thaliana AGC (cAMP-dependent, cGMP-dependent and protein kinase C) kinase family pr	4.88	NM_113431
53	Arabidopsis thaliana atypical dual-specificity phosphatase mRNA, complete cds [NM_111148]	4.79	NM_111148
54	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_100437]	4.78	NM_100437
55	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_128753]	4.77	NM_128753
56	Arabidopsis thaliana SGS domain-containing protein mRNA, complete cds [NM_001198184]	4.76	NM_001198184
57	Arabidopsis thaliana UDP-glucosyltransferase 73B2 mRNA, complete cds [NM_179161]	4.71	NM_179161
58	Arabidopsis thaliana glutathione S-transferase TAU 11 mRNA, complete cds [NM_105661]	4.66	NM_105661
59	Arabidopsis thaliana FAD/NAD(P)-binding oxidoreductase family protein mRNA, complete cds [NM_114287]	4.63	NM_114287
60	Arabidopsis thaliana UDP-glucosyltransferase 73C5 mRNA, complete cds [NM_129235]	4.59	NM_129235
61	Arabidopsis thaliana FAD/NAD(P)-binding oxidoreductase family protein mRNA, complete cds [NM_147895]	4.48	NM_147895
62	Arabidopsis thaliana NAC domain-containing protein 102 mRNA, complete cds [NM_125774]	4.47	NM_125774
63	Arabidopsis thaliana high light responsive zinc finger protein ZAT12 mRNA, complete cds [NM_125374]	4.41	NM_125374
64	Arabidopsis thaliana putative pyridoxal biosynthesis protein PDX1.2 mRNA, complete cds [NM_112471]	4.40	NM_112471
65	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_122923]	4.39	NM_122923
66	Arabidopsis thaliana zinc-binding dehydrogenase family protein mRNA, complete cds [NM_121704]	4.32	NM_121704
67	Arabidopsis thaliana glutathione S-transferase tau 7 mRNA, complete cds [NM_128496]	4.31	NM_128496
68	Arabidopsis thaliana protein HEAT-STRESS-ASSOCIATED 32 mRNA, complete cds [NM_118250]	4.27	NM_118250
69	Arabidopsis thaliana tolB-related protein mRNA, complete cds [NM_116417]	4.24	NM_116417
70	Arabidopsis thaliana protein HEAT-STRESS-ASSOCIATED 32 mRNA, complete cds [NM_118250]	4.24	NM_118250
71	Arabidopsis thaliana serine acetyltransferase 1 mRNA, complete cds [NM_104470]	4.11	NM_104470
72	Arabidopsis thaliana glutaredoxin ATGRXS13 mRNA, complete cds [NM_179255]	4.09	NM_179255
73	Arabidopsis thaliana glutaredoxin ATGRXS13 mRNA, complete cds [NM_100265]	4.07	NM_100265
74	Arabidopsis thaliana NAC domain containing protein 32 mRNA, complete cds [NM_106394]	4.07	NM_106394
75	Arabidopsis thaliana sigma factor binding protein 1 mRNA, complete cds [NM_115530]	4.06	NM_115530
76	Rep: Chromosome chr8 scaffold_23, whole genome shotgun sequence - Vitis vinifera (Grape), partial	4.05	TA27098_3702
77	Arabidopsis thaliana RING finger domain-containing protein mRNA, complete cds [NM_101286]	4.03	NM_101286
78	Arabidopsis thaliana FAD/NAD(P)-binding oxidoreductase family protein mRNA, complete cds [NM_114287]	4.02	NM_114287
79	Arabidopsis thaliana glutathione S-transferase TAU 24 mRNA, complete cds [NM_101578]	3.98	NM_101578
80	Arabidopsis thaliana DAD1-like acylhydrolase mRNA, complete cds [NM_102774]	3.97	NM_102774
81	Arabidopsis thaliana ethylene-responsive transcription factor ERF098 mRNA, complete cds [NM_113224]	3.96	NM_113224
82	Arabidopsis thaliana ethylene-responsive transcription factor ERF011 mRNA, complete cds [NM_114886]	3.95	NM_114886
83	Arabidopsis thaliana RING finger domain-containing protein mRNA, complete cds [NM_101286]	3.95	NM_101286
84	Arabidopsis thaliana 12-oxophytodienoate reductase 1 mRNA, complete cds [NM_106318]	3.94	NM_106318
85	Arabidopsis thaliana UDP-glucosyl transferase 73C3 mRNA, complete cds [NM_129233]	3.93	NM_129233
86	Arabidopsis thaliana calcium-binding protein CML37 mRNA, complete cds [NM_123603]	3.93	NM_123603
87	Arabidopsis thaliana ethylene-responsive transcription factor ERF019 mRNA, complete cds [NM_102128]	3.93	NM_102128
88	Arabidopsis thaliana calcium-binding protein CML37 mRNA, complete cds [NM_123603]	3.91	NM_123603
89	Arabidopsis thaliana 12-oxophytodienoate reductase 1 mRNA, complete cds [NM_106318]	3.90	NM_106318
90	Arabidopsis thaliana UDP-glucosyl transferase 73B1 mRNA, complete cds [NM_119576]	3.87	NM_119576
91	Arabidopsis thaliana HXXXD-type acyl-transferase family protein mRNA, complete cds [NM_120869]	3.85	NM_120869
92	Arabidopsis thaliana zinc finger protein ZAT6 mRNA, complete cds [NM_120516]	3.85	NM_120516
93	Arabidopsis thaliana HXXXD-type acyl-transferase family protein mRNA, complete cds [NM_120869]	3.83	NM_120869
94	Rep: Chromosome chr18 scaffold_1, whole genome shotgun sequence - Vitis vinifera (Grape), partial	3.80	TA35940_3702
95	Arabidopsis thaliana cytochrome P450, family 89, subfamily A, polypeptide 5 mRNA, complete cds [NI	3.80	NM_105169
96	Arabidopsis thaliana pinoid-binding protein 1 mRNA, complete cds [NM_124829]	3.75	NM_124829
97	Arabidopsis thaliana putative transcriptional activator with NAC domain mRNA, complete cds [NM_100054]	3.72	NM_100054
98	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_001125163]	3.72	NM_001125163
99	Arabidopsis thaliana zinc finger protein ZAT8 mRNA, complete cds [NM_114477]	3.70	NM_114477
100	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_111595]	3.70	NM_111595

Table S4. Top100 up-regulated genes in Arabidopsis treated by 3-hexenyl acetate

Rank	Description	Fold change(Log2 Ratio)	Accession
1	Arabidopsis thaliana putative chitinase mRNA, complete cds [NM_129919]	6.42	NM_129919
2	Arabidopsis thaliana methionine sulfoxide reductase B8 mRNA, complete cds [NM_118304]	6.10	NM_118304
3	Arabidopsis thaliana UDP-dependent glycosyltransferase 76B1 mRNA, complete cds [NM_111968]	5.91	NM_111968
4	Arabidopsis thaliana plant natriuretic peptide A mRNA, complete cds [NM_179648]	5.45	NM_179648
5	Arabidopsis thaliana ABC transporter G family member 40 mRNA, complete cds [NM_10142]	5.37	NM_10142
6	Arabidopsis thaliana heat shock protein 23.5 mRNA, complete cds [NM_124523]	4.94	NM_124523
7	AYBCW59TFD pooled cDNA populations Arabidopsis thaliana cDNA, mRNA sequence [EG52]	4.61	EG57803
8	Rep: Uncharacterized protein At1g06515.2 - Arabidopsis thaliana (Mouse-ear cross), complete cds [DR28]	4.50	TA36695_3702
9	4515840 CERES-149 Arabidopsis thaliana cDNA clone 1022677 5', mRNA sequence [DR28]	4.41	DR286735
10	AYAXN56TF pooled cDNA populations Arabidopsis thaliana cDNA, mRNA sequence [EG52]	4.38	EG525475
11	Arabidopsis thaliana U-box domain-containing protein 54 mRNA, complete cds [NM_100050]	4.35	NM_100050
12	Arabidopsis thaliana heat shock protein 70-4 mRNA, complete cds [NM_112093]	4.34	NM_112093
13	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_117497]	4.30	NM_117497
14	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_122326]	4.28	NM_122326
15	Arabidopsis thaliana cysteine-rich receptor-like protein kinase 7 mRNA, complete cds [NM_118444]	4.23	NM_118444
16	Arabidopsis thaliana protein PHYTOALEXIN DEFICIENT 3 mRNA, complete cds [NM_11355]	4.23	NM_113595
17	Arabidopsis thaliana carboxylate clamp-tetratricopeptide repeat protein mRNA, complete cds [NM_100136543]	4.12	NM_001036543
18	Arabidopsis thaliana putative cysteine-rich receptor-like protein kinase 30 mRNA, complete cds [NM_117217]	4.04	NM_117217
19	Arabidopsis thaliana bifunctional inhibitor/lipid-transfer protein/seed storage 2S albumin-like protein mRNA, complete cds [NM_104930]	4.01	NM_104930
20	Arabidopsis thaliana carboxylate clamp-tetratricopeptide repeat protein mRNA, complete cds [NM_117310]	4.01	NM_117310
21	Arabidopsis thaliana TRAF-like family protein mRNA, complete cds [NM_116369]	3.94	NM_116369
22	Arabidopsis thaliana beta 1,3-glucanase 2 mRNA, complete cds [NM_115586]	3.92	NM_115586
23	Arabidopsis thaliana cell differentiation, Rcd1-like protein mRNA, complete cds [NM_128814]	3.90	NM_128814
24	Arabidopsis thaliana OSBP(oxysterol binding protein)-related protein 4B-like protein mRNA, complete cds [NM_001036642]	3.82	NM_001036642
25	Arabidopsis thaliana putative germin-like protein subfamily 2 member 5 mRNA, complete cds [NM_180544]	3.81	NM_180544
26	Arabidopsis thaliana Thioredoxin superfamily protein mRNA, complete cds [NM_123252]	3.79	NM_123252
27	Arabidopsis thaliana class I heat shock protein mRNA, complete cds [NM_100614]	3.68	NM_100614
28	AV799583 RAFL9 Arabidopsis thaliana cDNA clone RAFL09-20-J17 3', mRNA sequence [A1]	3.65	AV799583
29	Arabidopsis thaliana protein TUNICAMYCIN INDUCED 1 mRNA, complete cds [NM_125847]	3.64	NM_125847
30	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_202810]	3.61	NM_202810
31	Arabidopsis thaliana early light-inducible protein 2 mRNA, complete cds [NM_117551]	3.60	NM_117551
32	Arabidopsis thaliana heat shock protein 90.1 mRNA, complete cds [NM_124642]	3.55	NM_124642
33	Arabidopsis thaliana peroxidase 59 mRNA, complete cds [NM_121996]	3.47	NM_121996
34	Arabidopsis thaliana glutathione S-transferase F7 mRNA, complete cds [NM_100173]	3.47	NM_100173
35	Arabidopsis thaliana HSP20-like chaperone mRNA, complete cds [NM_104679]	3.45	NM_104679
36	Arabidopsis thaliana 3'(2'),5'-bisphosphate nucleotidase mRNA, complete cds [NM_125796]	3.44	NM_125796
37	Rep: meprin and TRAF homology domain-containing protein / MATH domain-containing protein mRNA, complete cds [DR378967]	3.41	DR378967
38	Arabidopsis thaliana probable carboxylesterase 6 mRNA, complete cds [NM_105534]	3.39	NM_105534
39	Arabidopsis thaliana receptor like protein 41 mRNA, complete cds [NM_113405]	3.39	NM_113405
40	Arabidopsis thaliana heat stress transcription factor A-2 mRNA, complete cds [NM_0011249]	3.39	NM_001124916
41	Arabidopsis thaliana nodulin MN21-like transporter family protein mRNA, complete cds [NM_118943]	3.38	NM_118943
42	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_112249]	3.38	NM_112249
43	Arabidopsis thaliana protease inhibitor/seed storage/lipid transfer protein (LTP) family protein mRNA, complete cds [NM_113159]	3.38	NM_113159
44	Arabidopsis thaliana FAD-binding and BBE domain-containing protein mRNA, complete cds [NM_102406]	3.37	NM_102406
45	Arabidopsis thaliana cysteine-rich receptor-like protein kinase 36 mRNA, complete cds [NM_116687]	3.36	NM_116687
46	Arabidopsis thaliana receptor like protein 40 mRNA, complete cds [NM_113404]	3.30	NM_113404
47	Arabidopsis thaliana RPD3-like histone deacetylase mRNA, complete cds [NM_125705]	3.30	NM_125705
48	Arabidopsis thaliana chlorophyll A-B binding, early light-inducible protein mRNA, complete cds [NM_113183]	3.30	NM_113183
49	Arabidopsis thaliana aldo-keto reductase family 4 member C9 mRNA, complete cds [NM_001036428]	3.29	NM_001036428
50	Arabidopsis thaliana glucose-6-phosphate/phosphate translocator 2 mRNA, complete cds [NM_104862]	3.29	NM_104862
51	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_202810]	3.27	NM_202810
52	Arabidopsis thaliana peptidyl-L-prolyl cis-trans isomerase FKBP65 mRNA, complete cds [NM_124233]	3.26	NM_124233
53	Arabidopsis thaliana Predicted AT-hook DNA-binding family protein mRNA, complete cds [NM_124348]	3.25	NM_124348
54	Arabidopsis thaliana amino acid transporter 1 mRNA, complete cds [NM_118231]	3.23	NM_118231
55	Arabidopsis thaliana leucine-rich repeat extensin-like protein 1 mRNA, complete cds [NM_101076]	3.21	NM_101076
56	Arabidopsis thaliana Uridine diphosphate glycosyltransferase 74E2 mRNA, complete cds [NM_100448]	3.19	NM_100448
57	Arabidopsis thaliana Ran BP2/NZF zinc finger-like protein mRNA, complete cds [NM_201806]	3.19	NM_201806
58	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_180427]	3.14	NM_180427
59	Arabidopsis thaliana Dof-type zinc finger DNA-binding family protein mRNA, complete cds [NM_102442]	3.14	NM_102442
60	Arabidopsis thaliana protease inhibitor/seed storage/lipid transfer protein (LTP) family protein mRNA, complete cds [NM_113159]	3.10	NM_113159
61	Arabidopsis thaliana heat shock protein 90.1 mRNA, complete cds [NM_124642]	3.06	NM_124642
62	Arabidopsis thaliana probable xyloglucan endotransglucosylase/hydrolase protein 33 mRNA, complete cds [NM_100930]	3.05	NM_100930
63	Arabidopsis thaliana TPX2 (targeting protein for Xk1p2) family protein mRNA, complete cds [NM_110965]	3.05	NM_110965
64	Rep: Cysteine protease-related - Arabidopsis thaliana (Mouse-ear cross), partial (96%) [TC35]	3.02	TC398032
65	Arabidopsis thaliana 3-ketoacyl-CoA synthase 14 mRNA, complete cds [NM_111863]	3.02	NM_111863
66	Arabidopsis thaliana cadmium resistance protein 1 mRNA, complete cds [NM_101357]	3.00	NM_101357
67	Arabidopsis thaliana vacuolar cation/proton exchanger 3 mRNA, complete cds [NM_115045]	3.00	NM_115045
68	AYBIS24TF pooled cDNA populations Arabidopsis thaliana cDNA, mRNA sequence [EG519]	2.99	EG519080
69	Arabidopsis thaliana putative WRKY transcription factor 51 mRNA, complete cds [NM_125877]	2.97	NM_125877
70	Arabidopsis thaliana aspartyl protease family protein mRNA, complete cds [NM_103539]	2.95	NM_103539
71	Arabidopsis thaliana putative calcium-binding protein CML47 mRNA, complete cds [NM_1144]	2.94	NM_114616
72	Arabidopsis thaliana glutathione peroxidase 7 mRNA, complete cds [NM_119337]	2.94	NM_119337
73	Arabidopsis thaliana wall-associated receptor kinase 3 mRNA, complete cds [NM_101977]	2.94	NM_101977
74	Arabidopsis thaliana receptor like protein 23 mRNA, complete cds [NM_128827]	2.93	NM_128827
75	Arabidopsis thaliana nuclear transcription factor Y subunit A-10 mRNA, complete cds [NM_203013]	2.92	NM_203013
76	Arabidopsis thaliana nuclear transcription factor Y subunit A-5 mRNA, complete cds [NM_104294]	2.92	NM_104294
77	Arabidopsis thaliana putative E3 ubiquitin-protein ligase RF4 mRNA, complete cds [NM_001197970]	2.91	NM_001197970
78	Arabidopsis thaliana Inositol monophosphatase family protein mRNA, complete cds [NM_120965]	2.91	NM_120965
79	Arabidopsis thaliana RING-H2 finger protein AT17 mRNA, complete cds [NM_117083]	2.90	NM_117083
80	Arabidopsis thaliana multiprotein-bridging factor 1c mRNA, complete cds [NM_113358]	2.90	NM_113358
81	Arabidopsis thaliana mRNA, clone: RAFL17-50-E02 [AK117807]	2.90	AK117807
82	Arabidopsis thaliana ribonuclease 1 mRNA, complete cds [NM_126351]	2.88	NM_126351
83	Arabidopsis thaliana putative WRKY transcription factor 50 mRNA, complete cds [NM_12251]	2.88	NM_122518
84	Arabidopsis thaliana NAC domain-containing protein 42 mRNA, complete cds [NM_129861]	2.88	NM_129861
85	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_001035694]	2.88	NM_001035694
86	Arabidopsis thaliana glucose-6-phosphate/phosphate translocator 2 mRNA, complete cds [NM_104862]	2.86	NM_104862
87	Arabidopsis thaliana cysteine protease-like protein mRNA, complete cds [NM_128302]	2.86	NM_128302
88	BP619544 RAFL16 Arabidopsis thaliana cDNA clone RAFL16-33-K16 3', mRNA sequence [I]	2.84	BP619544
89	Arabidopsis thaliana Glycosyltransferase family 61 protein mRNA, complete cds [NM_11186]	2.84	NM_111867
90	Arabidopsis thaliana putative WRKY transcription factor 50 mRNA, complete cds [NM_12251]	2.83	NM_122518
91	Arabidopsis thaliana Nuclear transport factor 2 (NTF2) family protein mRNA, complete cds [NM_120252]	2.82	NM_120252
92	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_113746]	2.82	NM_113746
93	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_113746]	2.79	NM_113746
94	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_118479]	2.78	NM_118479
95	Arabidopsis thaliana clone 31878 mRNA, complete sequence [AY087114]	2.78	AY087114
96	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_180589]	2.78	NM_180589
97	Arabidopsis thaliana UDP-glycosyltransferase 73C5 mRNA, complete cds [NM_129235]	2.76	NM_129235
98	Arabidopsis thaliana heavy-metal-associated domain-containing protein mRNA, complete cds [NM_180545]	2.76	NM_180545
99	Arabidopsis thaliana pollen_Ole_e_1 domain-containing protein mRNA, complete cds [NM_120632]	2.76	NM_120632
100	Arabidopsis thaliana uncharacterized protein mRNA, complete cds [NM_179014]	2.76	NM_179014