

Supplemental data VI

Fold variations (FV) and absolute call flags (F) of UPR downregulated genes passing the 1,000-3P-0.5 criteria (129 genes)

(D#T#), number of entries passing the restriction for this gene for tunicamycin (T) and DTT (D).

| Locus | Bac | Affymetrix | Description | Tunicamycin | | | | | | | | | | DTT | | | | | | | | | |
|-----------|------------|---------------------|--|-------------|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|
| | | | | 0 | | 2+ | | 2 | | 5+ | | 5 | | 0 | | 2+ | | 2 | | 5+ | | 5 | |
| | | | | FV | F | FV | F | FV | F | FV | F | FV | F | FV | F | FV | F | FV | F | FV | F | FV | F |
| AT5G44380 | K9L2.18 | 12079_s_at | berberine bridge enzyme-like protein | 1.3 | P | 0.2 | A | 1.0 | P | 0.3 | P | 1.4 | P | 2.2 | P | 0.2 | A | 1.2 | P | 0.0 | A | 1.0 | P |
| AT4G27520 | T29A15.10 | 12117_at | putative protein | 1.0 | P | 0.5 | P | 1.1 | P | 0.6 | P | 1.2 | P | 1.0 | P | 0.3 | P | 1.0 | P | 0.2 | P | 1.1 | P |
| AT3G52500 | F22O6.120 | 12171_at | putative protein | 1.0 | P | 0.5 | P | 1.0 | P | 1.0 | P | 1.1 | P | 1.1 | P | 0.2 | P | 1.0 | P | 0.2 | P | 1.0 | P |
| AT2G32810 | F24L7.5 | 12265_at | putative β-galactosidase | 1.5 | P | 0.4 | A | 1.2 | P | 0.4 | M | 1.0 | P | 1.0 | P | 0.2 | M | 1.1 | P | 0.1 | A | 1.0 | P |
| AT3G12500 | T2E22.18 | 12332_s_at | basic endochitinase | 1.5 | P | 0.0 | A | 1.3 | P | 0.5 | P | 1.0 | P | 2.2 | P | 0.0 | A | 1.9 | P | 0.0 | A | 1.0 | P |
| At3g14310 | MLN21.10 | 12338_at | pectin methylesterase, PM3 | 1.1 | P | 0.4 | P | 1.0 | P | 0.3 | P | 1.1 | P | 1.0 | P | 0.1 | P | 1.2 | P | 0.1 | P | 1.0 | P |
| At5g61520 | K11J9.8 | 12344_at | monosaccharide transporter, STP3 | 1.0 | P | 0.7 | P | 1.1 | P | 0.5 | A | 1.1 | P | 1.2 | P | 0.7 | A | 1.0 | P | 0.4 | A | 1.3 | P |
| AT1G11580 | T23J18.24 | 12538_at | putative pectin methylesterase | 1.4 | P | 1.0 | P | 0.8 | P | 0.5 | P | 1.2 | P | 1.3 | P | 0.1 | P | 1.1 | P | 0.3 | P | 1.0 | P |
| AT4G19120 | T18B16.90 | 12561_at | putative protein | 1.3 | P | 0.4 | P | 1.2 | P | 1.0 | P | 0.7 | A | 1.4 | P | 0.5 | A | 1.2 | P | 0.4 | P | 1.0 | P |
| AT2G28630 | T8O18.8 | 12577_at | putative fatty acid elongase | 1.0 | P | 0.5 | P | 1.6 | P | 0.3 | P | 1.5 | P | 1.8 | P | 0.6 | P | 1.0 | P | 0.2 | P | 2.8 | P |
| AT3G44990 | F14D17.60 | 12609_at | xyloglucan endo-transglycosylase | 1.7 | P | 0.4 | P | 2.0 | P | 0.6 | P | 1.0 | A | 1.4 | P | 0.1 | A | 1.0 | P | 0.0 | A | 1.0 | P |
| AT4G11320 | F8L21.110 | 12746_i_at | drought-inducible cysteine proteinase RD21A precursor-like protein | 1.0 | P | 0.4 | A | 1.1 | P | 0.1 | A | 1.0 | P | 1.0 | P | 0.0 | A | 1.1 | P | 0.0 | A | 1.1 | P |
| AT4G21960 | T8O5.170 | 12752_s_at | peroxidase prxr1 | 1.1 | P | 0.5 | P | 1.0 | P | 0.2 | P | 1.0 | P | 1.1 | P | 0.1 | P | 1.2 | P | 0.0 | P | 1.0 | P |
| AT2G38540 | T6A23.26 | 12754_g_at | non-specific lipid transfer protein | 1.0 | P | 0.8 | P | 1.0 | P | 0.3 | P | 1.3 | P | 1.1 | P | 0.3 | P | 1.2 | P | 0.2 | P | 1.0 | P |
| AT1G54000 | F15I1.8 | 12777_i_at (D2, T2) | myrosinase-associated protein | 1.2 | P | 0.3 | P | 1.0 | P | 0.0 | A | 1.4 | P | 1.8 | P | 0.1 | P | 1.2 | P | 0.1 | P | 1.0 | P |
| AT2G45470 | F4L23.2 | 12787_at | unknown protein | 1.1 | P | 0.6 | P | 1.0 | P | 0.3 | P | 1.2 | P | 1.1 | P | 0.1 | P | 1.1 | P | 0.1 | P | 1.0 | P |
| At4g32460 | F8B4.160 | 12821_at | putative protein. | 1.0 | P | 0.7 | P | 1.0 | P | 0.4 | P | 1.2 | P | 1.2 | P | 0.1 | A | 1.1 | P | 0.1 | M | 1.0 | P |
| At1g76490 | F14G6.9 | 12921_s_at | hydroxy methylglutaryl CoA reductase | 1.0 | P | 0.5 | P | 1.4 | P | 0.5 | P | 1.1 | P | 1.3 | P | 0.3 | P | 1.0 | P | 0.8 | P | 1.3 | P |
| At4g35300 | F23E12.140 | 13036_at | putative sugar transporter protein | 1.5 | P | 0.5 | A | 1.2 | P | 0.5 | P | 1.0 | P | 1.0 | P | 0.4 | P | 1.0 | P | 0.5 | P | 1.1 | P |
| AT1G78820 | F9K20.13 | 13085_i_at (D2, T2) | similar to glycoprotein EP1 | 1.0 | P | 0.4 | P | 1.1 | P | 0.3 | P | 1.0 | P | 1.3 | P | 0.2 | P | 1.0 | P | 0.2 | P | 1.2 | P |
| AT4G38770 | T9A14.50 | 13120_at | proline-rich protein | 1.0 | P | 0.5 | P | 1.2 | P | 0.2 | P | 1.0 | P | 1.2 | P | 0.2 | P | 1.0 | P | 0.1 | P | 1.0 | P |
| At1g20840 | F9H16.18 | 13172_s_at | sugar transporter | 1.2 | P | 0.3 | P | 1.1 | P | 0.5 | P | 1.0 | P | 1.1 | P | 0.0 | A | 1.0 | P | 0.1 | A | 1.0 | P |
| At2g37450 | F3G5.24 | 13482_at | nodulin-like protein | 1.2 | P | 0.4 | M | 1.5 | P | 0.9 | P | 1.0 | P | 1.0 | P | 0.4 | A | 1.4 | P | 0.2 | A | 1.5 | P |
| At2g22170 | T26C19.17 | 13546_at | unknown protein | 1.0 | P | 0.4 | P | 1.4 | P | 0.2 | P | 1.6 | P | 1.1 | P | 0.0 | P | 1.3 | P | 0.0 | A | 1.0 | P |
| At2g43610 | F18O19.28 | 13552_at | putative endochitinase | 1.1 | P | 0.9 | P | 1.0 | A | 0.3 | A | 1.7 | P | 2.1 | P | 0.3 | A | 1.1 | P | 0.3 | A | 1.0 | P |
| At4g24510 | F22K18.290 | 13577_s_at | CER2, responsible for fatty acid elongation from C28 to C30 | 1.0 | P | 1.3 | P | 1.3 | P | 0.4 | P | 1.0 | P | 1.0 | P | 0.5 | P | 1.1 | P | 0.2 | P | 1.1 | P |
| AT1G04030 | F21M11.3 | 13587_at | unknown protein | 1.2 | P | 0.6 | P | 1.1 | P | 0.2 | P | 1.0 | P | 1.2 | P | 0.2 | P | 1.2 | P | 0.0 | P | 1.0 | P |
| At4g30810 | T10C21.3 | 13608_at | serine carboxypeptidase II-like protein | 1.6 | P | 0.8 | P | 1.9 | P | 0.4 | A | 1.0 | A | 1.0 | P | 0.2 | M | 1.0 | P | 0.1 | P | 1.2 | P |
| At4g23820 | F9D16.290 | 13628_at | putative polygalacturonase | 1.0 | P | 0.5 | P | 1.2 | A | 0.4 | P | 1.1 | P | 1.0 | P | 0.1 | A | 1.0 | P | 0.1 | A | 1.1 | P |
| AT1G09750 | F21M12.13 | 14018_at | DNA-binding protein, blast | 1.0 | P | 0.5 | P | 1.0 | P | 0.3 | P | 1.0 | P | 1.0 | P | 0.1 | P | 1.6 | P | 0.1 | P | 1.3 | P |
| AT2G04160 | F3L12.2 | 14025_s_at | subtilisin-like protease, AIR3 | 1.3 | P | 0.4 | P | 1.0 | P | 0.8 | P | 1.4 | P | 1.3 | P | 0.3 | P | 1.0 | P | 0.7 | P | 1.3 | P |
| AT4G37470 | F6G17.120 | 14080_at | putative protein | 1.0 | P | 1.0 | P | 1.2 | P | 0.3 | P | 0.8 | P | 1.7 | P | 0.8 | P | 1.2 | P | 0.1 | P | 1.0 | P |
| At4g37410 | F6G17.60 | 14117_at | cytochrome P450 monooxygenase-like protein | 1.0 | P | 0.6 | P | 1.0 | P | 0.5 | P | 1.5 | P | 1.1 | P | 0.4 | P | 1.3 | P | 0.3 | P | 1.0 | P |
| At1g26850 | T2P11.4 | 14135_at | unknown protein | 1.0 | P | 0.5 | P | 1.1 | P | 0.7 | P | 1.4 | P | 1.0 | P | 0.2 | P | 1.0 | P | 0.4 | P | 1.1 | P |
| At1g61770 | T13M11.13 | 14136_at | unknown protein | 2.0 | P | 0.5 | P | 1.5 | P | 1.0 | P | 1.0 | A | 1.1 | P | 0.1 | A | 1.0 | P | 0.5 | P | 1.0 | P |
| AT4G00400 | F5I10.4 | 14469_at | unknown protein | 1.0 | P | 0.7 | P | 2.1 | P | 0.2 | P | 1.6 | P | 1.1 | P | 0.0 | P | 1.1 | P | 0.1 | P | 1.0 | P |
| At2g24280 | F27D4.19 | 14509_g_at | putative prolylcarboxypeptidase | 1.4 | P | 0.6 | P | 1.0 | P | 0.4 | P | 1.2 | P | 1.0 | P | 0.2 | A | 1.5 | P | 0.3 | A | 1.1 | P |
| At2g36830 | T1J8.1 | 14662_f_at | TIP1-1 | 1.0 | P | 0.5 | P | 1.1 | P | 0.4 | P | 1.1 | P | 1.0 | P | 0.2 | P | 1.2 | P | 0.1 | P | 1.1 | P |
| AT1G72610 | F28P22.20 | 14726_s_at | germin-like protein | 1.0 | P | 0.3 | P | 1.1 | P | 0.4 | P | 1.1 | P | 1.0 | P | 0.1 | P | 1.1 | P | 0.1 | P | 1.0 | P |
| At2g34490 | T31E10.17 | 14856_at | putative cytochrome P450 | 1.0 | P | 0.5 | P | 1.0 | P | 0.3 | P | 1.6 | P | 1.1 | P | 0.0 | A | 1.0 | P | 0.0 | A | 1.4 | P |
| At4g21620 | F17L22.80 | 14946_at | putative protein | 1.0 | P | 1.0 | P | 1.0 | P | 0.5 | P | 0.8 | P | 1.5 | P | 0.4 | P | 1.0 | P | 0.3 | P | 1.6 | P |
| At5g10430 | F12B17.220 | 15107_s_at | ATAGP4, arabinogalactan protein | 1.0 | P | 0.9 | P | 1.0 | P | 0.4 | P | 1.4 | P | 1.3 | P | 0.2 | P | 1.4 | P | 0.2 | P | 1.0 | P |
| AT3g19820 | MPN9.6 | 15146_s_at | cell elongation protein, Dwarf1 | 1.0 | P | 0.6 | P | 1.1 | P | 0.5 | P | 1.1 | P | 1.1 | P | 0.2 | P | 1.0 | P | 0.3 | P | 1.0 | P |
| At5g20630 | T1M15.30 | 15160_s_at | germin-like protein | 1.0 | P | 0.8 | P | 1.3 | P | 0.5 | P | 1.3 | P | 1.0 | P | 0.3 | P | 1.1 | P | 0.2 | P | 1.1 | P |
| At5g64620 | MUB3.14 | 15451_at | invertase inhibitor homolog | 1.0 | P | 0.6 | P | 1.1 | P | 0.5 | P | 1.1 | P | 1.0 | P | 0.3 | P | 1.7 | P | 0.2 | P | 1.3 | P |
| AT2g02040 | F14H20.11 | 15583_s_at | histidine transport protein (PTR2-B) | 1.0 | P | 0.4 | P | 1.1 | P | 0.5 | P | 1.1 | P | 1.0 | P | 0.3 | P | 1.1 | P | 1.0 | P | 1.0 | P |
| AT1G68530 | T26J14.10 | 15642_at | very-long-chain fatty acid condensing enzyme CUT1 | 1.1 | P | 0.5 | P | 1.1 | P | 0.3 | P | 1.0 | P | 1.0 | P | 0.3 | P | 1.0 | P | 0.2 | P | 1.1 | P |
| AT5G25610 | T14C9.150 | 15776_at | dehydration-induced protein RD22 | 1.3 | P | 0.7 | P | 1.4 | P | 0.2 | P | 1.0 | P | 1.1 | P | 0.2 | P | 1.0 | P | 0.1 | P | 1.3 | P |
| AT2G05540 | T20G20.11 | 15910_at | putative glycine-rich protein | 0.8 | P | 1.0 | P | 1.1 | P | 0.4 | P | 1.3 | P | 1.1 | P | 1.0 | P | 1.0 | P | 0.4 | P | 2.3 | P |
| At3g01930 | F1C9.29 | 15934_i_at | nodulin-like protein | 1.9 | P | 0.9 | P | 1.6 | P | 0.3 | A | 1.0 | P | 1.1 | P | 0.1 | P | 1.0 | P | 0.3 | P | 1.0 | P |
| At3g32980 | T15D2.9 | 15969_s_at | prxr3, pseduogene neutral peroxidase c | 1.0 | P | 0.3 | P | 1.1 | P | 0.3 | P | 1.3 | P | 1.5 | P | 0.1 | P | 1.3 | P | 0.0 | P | 1.0 | P |
| At5g64100 | MHU24.8 | 15985_at | peroxidase, ATP3a | 1.2 | P | 0.7 | P | 1.0 | P | 0.6 | P | 1.5 | P | 2.0 | P | 0.3 | P | 1.5 | P | 0.1 | A | 1.0 | P |
| At3g53420 | F4P12.120 | 15989_at | PIP2-1 | 1.0 | P | 0.7 | P | 1.1 | P | 0.5 | P | 1.3 | P | 1.0 | P | 0.3 | P | 1.3 | P | 0.1 | P | 1.2 | P |
| At4g17340 | FCAALL.412 | 16005_at | TIP2-2 | 1.0 | P | 0.4 | P | 1.0 | P | 0.5 | P | 1.4 | P | 1.0 | P | 0.2 | A | 1.2 | P | 0.0 | A | 1.1 | P |
| At1g75750 | F10A5.6 | 16014_at | GAST1 protein homolog | 1.0 | P | 0.8 | P | 1.1 | P | 0.5 | P | 1.0 | P | 1.0 | P | 0.7 | P | 1.1 | P | 0.4 | P | 1.3 | P |
| At3g16370 | MYA6.18 | 16017_at | proline-rich protein APG isolog | 2.0 | P | 0.4 | P | 1.6 | P | 0.2 | P | 1.0 | P | 1.0 | P | 0.0 | A | 1.0 | P | 0.0 | A | 1.1 | P |
| At4g30170 | F9N11.20 | 16028_at | peroxidase ATP8a | 1.1 | P | 0.5 | P | 1.3 | P | 0.4 | P | 1.0 | P | | | | | | | | | | |

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|-----------|------------|---------------------|--|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|-----|---|
| AT1G54010 | F15I1.9 | 16493_at | myrosinase-associated protein | 1.0 | P | 0.7 | P | 1.2 | P | 0.4 | P | 1.4 | P | 1.2 | P | 0.1 | P | 1.0 | P | 0.2 | P | 1.0 | P |
| At1g68560 | F24J5.20 | 16501_s_at | α -xylosidase precursor | 1.0 | P | 0.5 | P | 1.0 | P | 0.5 | P | 1.1 | P | 1.1 | P | 0.2 | P | 1.0 | P | 0.2 | P | 1.0 | P |
| AT1G70370 | AT1G70370 | 16598_s_at | polygalacturonase isoenzyme 1 beta subunit homolog | 1.0 | P | 0.6 | P | 1.3 | P | 0.4 | P | 1.0 | P | 1.0 | P | 0.4 | P | 1.2 | P | 0.3 | P | 1.4 | P |
| At4g11650 | T5C23.80 | 16914_s_at | osmotin precursor | 1.3 | P | 0.3 | P | 1.0 | P | 0.7 | P | 1.8 | P | 1.9 | P | 0.4 | P | 1.0 | P | 0.1 | P | 1.0 | P |
| At2g38390 | T19C21.12 | 16963_at | peroxidase | 1.0 | P | 0.7 | P | 1.1 | P | 0.3 | P | 1.6 | P | 1.3 | P | 0.0 | A | 1.2 | P | 0.0 | A | 1.0 | P |
| At4g15160 | FCAALL.211 | 16974_at | cell wall protein like | 1.1 | P | 0.4 | P | 1.0 | P | 0.3 | A | 1.3 | A | 3.4 | P | 0.4 | P | 2.4 | P | 0.3 | P | 1.0 | P |
| At2g37640 | F13M22.14 | 16990_at | putative expansin | 1.0 | P | 0.7 | P | 1.0 | P | 0.3 | P | 1.0 | P | 1.0 | P | 0.1 | P | 1.0 | P | 0.0 | A | 1.0 | P |
| At3g51600 | F26O13.240 | 17002_at | non-specific lipid transfer protein | 1.0 | P | 0.5 | P | 1.1 | P | 0.4 | P | 1.5 | P | 1.0 | P | 0.2 | P | 1.0 | P | 0.2 | P | 1.0 | P |
| At4g13770 | F18A5.160 | 17018_s_at | cytochrome p450 dependent monooxygenase | 1.0 | P | 0.6 | P | 1.1 | P | 0.4 | P | 1.1 | P | 1.3 | P | 0.3 | P | 1.4 | P | 0.1 | P | 1.0 | P |
| At1g18250 | T10O22.21 | 17070_at | thaumin-like protein | 1.0 | P | 1.1 | P | 1.1 | P | 0.4 | P | 0.8 | P | 1.0 | P | 0.2 | P | 1.1 | P | 0.2 | P | 1.0 | P |
| At2g19970 | T2G17.23 | 17249_at | putative pathogenesis-related protein | 1.0 | P | 0.7 | P | 1.1 | P | 0.5 | P | 1.4 | P | 2.8 | P | 0.2 | A | 1.7 | P | 0.2 | A | 1.0 | P |
| AT2G21140 | F26H11.10 | 17386_at | putative proline-rich protein | 1.0 | P | 0.7 | P | 1.1 | P | 0.4 | P | 1.2 | P | 1.0 | P | 0.2 | P | 1.0 | P | 0.1 | P | 1.2 | P |
| At5g64120 | MHJ4.10 | 17413_s_at | peroxidase, ATP15a | 1.2 | P | 0.1 | A | 1.0 | P | 0.0 | A | 2.3 | P | 3.0 | P | 0.2 | P | 1.0 | P | 0.0 | A | 1.5 | P |
| At2g20230 | F11A3.22 | 17447_at | unknown protein | 1.0 | P | 0.2 | P | 1.3 | P | 0.4 | P | 1.2 | P | 1.0 | P | 0.1 | A | 1.0 | P | 0.2 | P | 1.1 | P |
| At4g16260 | FCAALL.386 | 17485_s_at | beta-1, 3-glucanase class I precursor | 1.4 | P | 0.3 | P | 1.0 | P | 0.4 | P | 2.4 | P | 2.1 | P | 0.0 | A | 1.5 | P | 0.0 | A | 1.0 | P |
| At4g00180 | F6N15.22 | 17530_at | YABBY3 | 1.0 | P | 1.0 | P | 1.1 | P | 0.5 | P | 0.7 | P | 1.0 | P | 1.2 | P | 0.9 | P | 0.5 | P | 1.0 | P |
| AT5G18280 | MRG7.24 | 17589_at | apyrase, membrane associated protein | 0.9 | P | 0.2 | P | 1.8 | P | 1.0 | P | 1.2 | P | 1.2 | P | 0.2 | P | 1.0 | P | 0.6 | P | 1.2 | P |
| At2g05790 | T17C22.2 | 17823_s_at | putative β -1,3-glucanase | 1.1 | P | 0.5 | P | 1.2 | P | 0.7 | P | 1.0 | P | 1.1 | P | 0.3 | P | 1.0 | P | 0.2 | P | 1.2 | P |
| At4g19410 | T5K18.190 | 17878_at | putative pectinacetyltransferase protein | 1.0 | P | 0.6 | P | 1.0 | P | 0.3 | P | 1.2 | P | 1.0 | P | 0.3 | P | 1.1 | P | 0.5 | P | 1.0 | P |
| AT4G26690 | T15N24.4 | 17897_at | putative protein | 1.0 | P | 0.3 | P | 1.2 | P | 0.9 | P | 1.1 | P | 1.0 | P | 0.3 | P | 1.1 | P | 0.5 | P | 1.0 | P |
| At4g36360 | AP22.44 | 17923_s_at | β -galactosidase like protein | 1.0 | P | 0.3 | P | 1.5 | P | 0.8 | P | 1.0 | P | 1.0 | P | 0.5 | P | 1.2 | P | 0.1 | M | 1.0 | P |
| AT4G23400 | F16G20.100 | 17931_at | PIP1-5 | 1.0 | P | 0.3 | P | 1.1 | P | 0.6 | P | 1.0 | P | 1.1 | P | 0.4 | P | 1.0 | P | 0.1 | P | 1.4 | P |
| At1g05250 | YUP8H12.14 | 17932_at | similar to peroxidase ATP11A | 1.0 | P | 0.2 | A | 1.1 | P | 0.3 | A | 1.1 | P | 4.0 | P | 0.0 | A | 2.7 | P | 0.0 | A | 1.0 | P |
| At5g17820 | MVA3.170 | 17942_s_at | peroxidase ATP13a | 1.0 | P | 0.7 | P | 1.0 | P | 0.4 | P | 1.2 | P | 2.1 | P | 0.0 | A | 1.7 | P | 0.0 | A | 1.0 | P |
| At4g00360 | F5I10.21 | 17966_at | cytochrome p450 family | 1.2 | P | 0.7 | P | 1.2 | P | 0.5 | P | 1.0 | P | 1.2 | P | 0.2 | P | 1.0 | P | 0.1 | P | 1.3 | P |
| At5g08610 | MAH20.17 | 18016_r_at | RNA helicase | 1.1 | P | 0.4 | P | 1.6 | P | 0.6 | P | 1.0 | P | 1.4 | P | 1.0 | P | 0.7 | P | 0.4 | P | 1.0 | P |
| At4g12730 | T20K18.80 | 18265_at | putative pollen surface protein | 1.3 | P | 0.5 | P | 1.2 | P | 0.9 | P | 1.0 | P | 1.6 | P | 1.0 | P | 1.0 | P | 0.3 | P | 1.2 | P |
| At5g11720 | T22P22.110 | 18297_at | α -glucosidase 1 | 1.0 | P | 0.5 | P | 1.6 | P | 0.8 | P | 1.0 | P | 1.0 | P | 0.3 | P | 1.1 | P | 0.3 | P | 1.1 | P |
| At2g24150 | F27D4.6 | 18416_at | hypothetical protein | 1.0 | P | 0.8 | P | 1.0 | P | 0.3 | A | 1.1 | P | 1.0 | P | 0.5 | P | 1.2 | P | 0.2 | A | 1.3 | P |
| At5g65730 | MPA24.8 | 18533_at | endoxyloglucan transferase-like protein | 1.3 | P | 0.7 | P | 1.1 | P | 0.4 | A | 1.0 | M | 1.2 | P | 0.0 | A | 1.0 | P | 0.2 | A | 1.9 | P |
| AT1G62510 | T3P18.7 | 18560_at | similar to 14KD proline-rich protein DC2.15 precu | 1.3 | P | 0.7 | P | 1.0 | P | 0.2 | P | 1.2 | P | 1.4 | P | 0.3 | P | 1.0 | P | 0.1 | P | 1.3 | P |
| AT1G70160 | F20P5.12 | 18652_at | unknown protein | 1.0 | P | 0.3 | P | 1.1 | P | 0.4 | P | 1.0 | P | 1.1 | P | 0.2 | P | 1.0 | P | 0.4 | P | 1.2 | P |
| At5g44640 | K15C23.9 | 18901_at | β -glucosidase | 1.1 | P | 0.9 | P | 1.1 | P | 0.4 | M | 1.0 | P | 1.6 | P | 0.4 | A | 1.5 | P | 0.5 | P | 1.0 | P |
| At1g04680 | T1G11.7 | 18911_at | similar to pectate lyase A11 | 1.2 | P | 0.7 | P | 1.0 | P | 0.4 | P | 1.1 | P | 1.5 | P | 0.0 | A | 1.0 | P | 0.0 | A | 1.4 | P |
| At2g43620 | F18O19.27 | 18928_at | endochitinase | 2.5 | P | 0.2 | P | 1.0 | P | 0.3 | P | 4.3 | P | 3.0 | P | 0.1 | A | 1.0 | P | 0.0 | A | 1.8 | P |
| At4g12520 | T1P17.110 | 18983_s_at | pEARL1 1-like protein | 1.0 | P | 1.1 | P | 1.0 | P | 0.4 | P | 1.1 | P | 1.3 | P | 0.2 | P | 1.3 | P | 0.0 | A | 1.0 | P |
| At4g37800 | T28I19.80 | 19017_at | endo-xyloglucan transferase-like protein | 1.1 | P | 0.6 | P | 1.1 | P | 0.4 | P | 1.0 | P | 1.1 | P | 0.3 | P | 1.0 | P | 0.1 | P | 1.0 | P |
| At4g32980 | F26P21.100 | 19106_at | homeobox gene ATH1 | 1.0 | P | 0.6 | P | 1.1 | P | 0.4 | P | 1.1 | P | 1.0 | P | 1.0 | P | 1.4 | P | 0.3 | A | 1.9 | P |
| AT4G12550 | T1P17.140 | 19118_s_at (D2, T2) | cell wall-plasma membrane disconnecting CLCT protein (AIR1A) | 1.0 | P | 0.5 | P | 1.6 | P | 0.4 | P | 2.1 | P | 1.6 | P | 0.2 | P | 1.3 | P | 0.1 | P | 1.0 | P |
| At5g60920 | MSL3.40 | 19224_at | putative phytochelatin synthetase | 1.0 | P | 0.4 | P | 1.0 | P | 0.7 | P | 1.1 | P | 1.0 | P | 0.4 | P | 1.1 | P | 0.4 | P | 1.0 | P |
| At4g02330 | T14P8.14 | 19267_s_at | putative pectin methyltransferase | 1.3 | P | 0.4 | P | 1.0 | P | 0.3 | P | 1.3 | P | 1.8 | P | 0.0 | A | 1.2 | P | 0.0 | A | 1.0 | P |
| At4g16170 | FCAALL.293 | 19380_at | unknown protein | 1.0 | P | 0.5 | A | 1.0 | P | 0.4 | P | 1.1 | P | 1.0 | P | 0.3 | P | 1.2 | P | 0.6 | P | 1.3 | P |
| At4g25960 | F14M19.5 | 19431_s_at | P-glycoprotein-2 (pgp2) | 1.0 | P | 0.3 | P | 1.3 | P | 0.3 | P | 1.1 | P | 1.1 | P | 0.1 | A | 1.0 | P | 0.1 | A | 1.2 | P |
| At2g21410 | F3K23.17 | 19438_at | putative vacuolar proton-ATPase subunit 1 | 1.0 | P | 0.4 | P | 1.3 | P | 0.8 | P | 1.2 | P | 1.0 | P | 0.3 | P | 1.1 | P | 0.4 | P | 1.1 | P |
| AT2G15050 | T15J14.9 | 19548_at | putative lipid transfer protein | 1.2 | P | 0.5 | P | 1.4 | P | 0.4 | P | 1.0 | P | 1.0 | P | 0.1 | P | 1.2 | P | 0.2 | P | 1.4 | P |
| At2g35780 | F11F19.31 | 19627_s_at | putative serine carboxypeptidase II | 1.3 | P | 0.5 | P | 1.0 | P | 0.5 | P | 1.2 | P | 1.0 | P | 0.2 | P | 1.3 | P | 0.1 | P | 1.0 | P |
| At1g33240 | T16O9.10 | 19652_at | GTL1, DNA-binding factor | 1.2 | P | 0.7 | P | 1.0 | P | 0.4 | P | 1.8 | P | 1.2 | P | 0.6 | P | 1.0 | P | 0.3 | P | 1.0 | P |
| At1g62500 | T3P18.6 | 19683_at | putative proline-rich cell wall protein | 1.0 | P | 1.0 | P | 1.0 | P | 0.5 | P | 1.4 | P | 1.0 | P | 0.3 | A | 1.3 | P | 0.4 | P | 1.6 | P |
| At4g38840 | T9A14.120 | 19695_at | auxin-induced protein-like | 1.0 | P | 1.0 | P | 0.8 | P | 0.3 | P | 1.1 | P | 1.0 | P | 0.3 | P | 2.3 | P | 0.0 | A | 2.2 | P |
| At4g10770 | T12H20.7 | 19717_at | isp4like protein (oligopeptide transporter) | 1.1 | P | 0.5 | A | 1.0 | P | 0.4 | A | 1.3 | P | 1.0 | P | 0.5 | A | 1.5 | P | 0.2 | A | 1.1 | P |
| At1g22690 | T22J18.14 | 19720_at | similar to gibberellin-regulated protein 2 precursor (GAST1) homolog | 1.5 | P | 0.8 | P | 1.0 | P | 0.3 | A | 1.4 | A | 1.3 | P | 0.2 | P | 1.0 | P | 0.2 | P | 1.1 | P |
| At5g55630 | MDF20.7 | 19897_s_at | outward rectifying potassium channel KCO | 1.0 | P | 0.5 | P | 0.7 | P | 1.0 | P | 1.2 | P | 1.0 | P | 0.3 | A | 1.3 | P | 0.4 | A | 1.1 | P |
| At1g78490 | T30F21.17 | 19993_at | cytochrome P450, putative | 1.1 | P | 0.5 | P | 1.0 | P | 0.2 | P | 1.1 | P | 1.0 | P | 0.2 | A | 1.2 | P | 0.4 | P | 1.1 | P |
| At4g16370 | FCAALL.72 | 20117_at | isp4 like protein | 1.2 | P | 0.7 | P | 1.0 | P | 0.5 | P | 1.5 | P | 1.0 | P | 0.2 | P | 1.1 | P | 0.3 | P | 1.2 | P |
| At2g36100 | F9C22.3 | 20176_at | unknown protein | 0.9 | P | 1.0 | P | 1.7 | P | 0.0 | A | 1.8 | A | 2.9 | P | 0.3 | A | 1.9 | P | 0.0 | A | 1.0 | P |
| AT3G13790 | MMM17.26 | 20239_g_at | β -fructofuranosidase 1 | 1.7 | P | 0.3 | P | 1.0 | P | 1.0 | P | 1.3 | P | 2.4 | P | 0.3 | P | 1.2 | P | 0.9 | P | 1.0 | P |
| At2g22990 | T20K9.18 | 20256_s_at | putative serine carboxypeptidase I | 1.0 | P | 0.5 | P | 1.3 | P | 0.5 | P | 1.0 | P | 1.0 | P | 0.2 | P | 1.1 | P | 0.1 | P | 1.4 | P |
| At4g33220 | F4I10.150 | 20284_at | pectinesterase-like protein | 1.2 | P | 0.3 | P | 1.3 | P | 0.3 | P | 1.0 | P | 1.0 | P | 0.1 | P | 1.0 | P | 0.0 | A | 1.1 | P |
| At2g15090 | T15J14.13 | 20344_at | putative fatty acid elongase | 1.0 | P | 0.7 | P | 1.0 | P | 0.3 | P | 1.0 | P | 1.9 | P | 0.6 | A | 1.0 | P | 0.0 | A | 1.7 | P |
| At4g01700 | T15B16.5 | 20345_at | similar to class I chitinases | 1.5 | P | 0.8 | P | 1.0 | P | 0.4 | P | 2.5 | P | 1.5 | P | 0.4 | A | 1.0 | P | 0.4 | P | 1.0 | P |
| At2g36850 | T1J8.3 | 20434_at | putative glucan synthase | 1.1 | P | 0.5 | P | 0.9 | P | 1.8 | P | 1.0 | P | 1.0 | P | 0.5 | P | 1.2 | P | 0.9 | P | 1.1 | P |
| At1g16410 | F3O9.21 | 20442_i_at | similar to cytochrome P450 | 1.3 | P | 0.8 | P | 1.2 | P | 0.4 | P | 1.0 | A | 1.1 | P | 0.1 | P | 1.1 | P | 0.1 | A | 1.0 | P |
| At4g00740 | F15P23.2 | 20449_at | unknown protein | 1.0 | P | 0.5 | A | 1.5 | P | 1.0 | P | 1.8 | P | 1.0 | P | 0.2 | P | 1.0 | P | 0.4 | P | 1.1 | P |
| At1g65270 | T8F5.4 | 20711_at | unknown protein | 1.0 | P | 0.5 | P | 1.1 | P | 0.7 | P | 1.1 | P | 1.2 | P | 0.5 | P | 1.0 | P | 0.4 | P | 1.3 | P |
| At4g11190 | T22B4.170 | 20719_at | putative disease resistance response protein | 1.0 | P | 0.6 | P | 1.1 | P | 0.4 | P | 1.1 | P | 1.4 | P | 0.2 | A | 1.2 | P | 0.1 | A | 1.0 | P |