

Supplemental data II

Fold variations of tunicamycin downregulated genes passing the 1,000-5P-0.4 criteria

(75 genes + 1 nulls)

(T#), number of entries passing the restriction for this gene.

| Affymetrix code | Description | hours | 0 | 2+ | 2 | 5+ | 5 |
|-----------------|--|-------|-------|-------|-------|-------|---|
| 12338_at | putative pectin methylesterase | 1.096 | 0.429 | 1 | 0.304 | 1.062 | |
| 12521_at | Ca2+ H+-exchanging protein-like | 1.029 | 0.394 | 1.029 | 1 | 0.693 | |
| 12577_at | putative fatty acid elongase | 1 | 0.507 | 1.638 | 0.341 | 1.494 | |
| 12748_f_at | drought-inducible cysteine proteinase RD21A precursor-like protein | 1.109 | 0.369 | 1.240 | 0.079 | 1 | |
| 12752_s_at | peroxidase prx1 | 1.069 | 0.499 | 1.019 | 0.203 | 1 | |
| 12754_g_at | non-specific lipid transfer protein | 1 | 0.832 | 1.047 | 0.338 | 1.287 | |
| 12779_f_at | putative myrosinase-associated protein (T3) | 1.064 | 0.414 | 1 | 0.300 | 1.110 | |
| 12787_at | unknown protein | 1.083 | 0.645 | 1 | 0.298 | 1.167 | |
| 12790_s_at | cytochrome P450 like protein | 1.137 | 0.664 | 1.013 | 0.381 | 1 | |
| 12816_at | unknown protein (T2) | 1 | 0.433 | 1.434 | 0.373 | 1.627 | |
| 13086_r_at | similar to glycoprotein EP1 (T2) | 1 | 0.361 | 1.136 | 0.329 | 1.043 | |
| 13120_at | proline-rich protein | 1.038 | 0.514 | 1.206 | 0.211 | 1 | |
| 13172_s_at | sugar transporter | 1.208 | 0.312 | 1.122 | 0.458 | 1 | |
| 13546_at | unknown protein | 1 | 0.416 | 1.413 | 0.228 | 1.571 | |
| 13569_at | reticuline oxidase-like protein | 1.020 | 0.359 | 1.498 | 0.952 | 1 | |
| 13587_at | unknown protein | 1.238 | 0.579 | 1.074 | 0.247 | 1 | |
| 14018_at | unknown protein | 1.042 | 0.475 | 1.045 | 0.340 | 1 | |
| 14025_s_at | subtilisin-like protease | 1.298 | 0.394 | 1 | 0.770 | 1.433 | |
| 14080_at | unknown protein | 1 | 1.025 | 1.245 | 0.295 | 0.797 | |
| 14469_at | unknown protein | 1 | 0.679 | 2.123 | 0.169 | 1.609 | |
| 14509_g_at | putative prolylcarboxypeptidase | 1.400 | 0.644 | 1 | 0.394 | 1.201 | |
| 14612_at | similar to pectinesterase | 2.116 | 0.394 | 1.108 | 0.453 | 1 | |
| 14638_at | peroxidase | 1 | 0.359 | 1.158 | 0.321 | 1.323 | |
| 14726_s_at | germin-like protein | 1 | 0.297 | 1.059 | 0.361 | 1.101 | |
| 14856_at | putative cytochrome P450 | 1.023 | 0.484 | 1 | 0.284 | 1.594 | |
| 15162_at | pre-hevein-like protein | 1 | 0.219 | 1.250 | 0.180 | 1.795 | |
| 15642_at | very-long-chain fatty acid condensing enzyme CUT1 | 1.065 | 0.528 | 1.127 | 0.313 | 1 | |
| 15776_at | dehydration induced protein, rd22 | 1.295 | 0.744 | 1.420 | 0.229 | 1 | |
| 15910_at | putative glycine-rich protein | 0.805 | 1 | 1.081 | 0.351 | 1.341 | |
| 15969_s_at | peroxidase c | 1 | 0.282 | 1.117 | 0.296 | 1.271 | |
| 15982_s_at | peroxidase ATP2a | 1 | 0.441 | 1.214 | 0.205 | 1.517 | |
| 16001_at | unknown protein | 1 | 0.646 | 1.548 | 0.380 | 1.657 | |
| 16017_at | proline-rich protein APG isolog | 2.039 | 0.438 | 1.586 | 0.177 | 1 | |
| 16047_at | unknown protein | 1.298 | 0.405 | 1 | 0.271 | 1.391 | |
| 16432_g_at | putative nonspecific lipid-transfer protein | 1.010 | 0.619 | 1 | 0.192 | 1.329 | |
| 16461_i_at | peroxidase (T2) | 1.039 | 0.203 | 1.038 | 0.391 | 1 | |
| 16489_at | extA | 1.420 | 1 | 1.267 | 0.256 | 0.892 | |
| 16493_at | putative myrosinase-associated protein | 1 | 0.672 | 1.162 | 0.364 | 1.353 | |
| 16598_s_at | polygalacturonase isoenzyme 1 beta subunit homolog | 1.030 | 0.619 | 1.252 | 0.378 | 1 | |
| 16914_s_at | osmotin precursor | 1.293 | 0.253 | 1 | 0.691 | 1.826 | |
| 16963_at | peroxidase | 1 | 0.711 | 1.148 | 0.314 | 1.582 | |
| 16990_at | putative expansin | 1 | 0.747 | 1.049 | 0.281 | 1.010 | |
| 17386_at | putative proline-rich protein | 1 | 0.670 | 1.073 | 0.364 | 1.199 | |
| 17441_s_at | similar to glycoprotein EP1 | 1 | 0.363 | 1.434 | 0.261 | 1.462 | |
| 17442_i_at | similar to glycoprotein EP1 | 1 | 0.432 | 1.507 | 0.257 | 1.339 | |
| 17447_at | unknown protein | 1 | 0.217 | 1.278 | 0.431 | 1.155 | |
| 17479_at | putative aspartate-tRNA ligase | 1 | 0.393 | 1.161 | 0.881 | 1.082 | |
| 17485_s_at | beta-1, 3-glucanase class I precursor | 1.428 | 0.268 | 1 | 0.422 | 2.363 | |
| 17589_at | apyras | 0.898 | 0.249 | 1.808 | 1 | 1.161 | |
| 17872_at | unknown protein | 0.986 | 0.358 | 1 | 1.018 | 1.023 | |
| 17897_at | unknown protein | 1 | 0.318 | 1.207 | 0.920 | 1.053 | |
| 17923_s_at | beta-galactosidase like protein | 1 | 0.322 | 1.539 | 0.751 | 1.031 | |
| 17931_at | PIP1-5 | 1.040 | 0.348 | 1.054 | 0.567 | 1 | |
| 17936_s_at | putative beta-amylase | 0.843 | 0.388 | 1.113 | 1.624 | 1 | |
| 17942_s_at | peroxidase ATP13a | 1 | 0.675 | 1.014 | 0.360 | 1.181 | |

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|------------|---|-------|-------|-------|-------|-------|
| 18016_r_at | RNA helicase | 1.083 | 0.367 | 1.614 | 0.583 | 1 |
| 18560_at | similar to 14KD proline-rich protein DC2.15 precu | 1.327 | 0.665 | 1 | 0.242 | 1.168 |
| 18652_at | unknown protein | 1 | 0.268 | 1.082 | 0.440 | 1.030 |
| 18928_at | putative endochitinase | 2.484 | 0.170 | 1 | 0.308 | 4.287 |
| 18983_s_at | pEARLI 1-like protein | 1 | 1.137 | 0.986 | 0.385 | 1.064 |
| 19106_at | H1 | 1 | 0.616 | 1.138 | 0.375 | 1.058 |
| 19118_s_at | putative cell wall-plasma membrane disconnecting CLCT protein (AIR1A) | 1 | 0.463 | 1.577 | 0.396 | 2.149 |
| 19119_i_at | putative cell wall-plasma membrane disconnecting CLCT protein (null) | 1.214 | 0.399 | 1 | 0.243 | 1.146 |
| 19121_at | similar to the C-terminus of putative plasma membrane-cell wall linker proteins | 1 | 0.402 | 1.037 | 0.284 | 1.099 |
| 19267_s_at | putative pectin methylesterase | 1.301 | 0.379 | 1 | 0.275 | 1.283 |
| 19402_at | unknown protein | 1.277 | 0.319 | 1 | 0.820 | 1.170 |
| 19431_s_at | P-glycoprotein-2 (pgp2) | 1 | 0.311 | 1.276 | 0.330 | 1.057 |
| 19548_at | putative lipid transfer protein | 1.233 | 0.509 | 1.374 | 0.376 | 1 |
| 19695_at | auxin-induced protein-like | 1.019 | 1 | 0.847 | 0.298 | 1.146 |
| 19960_at | putative expansin | 1 | 0.580 | 1.008 | 0.263 | 1.113 |
| 19993_at | putative cytochrome P450 | 1.141 | 0.482 | 1 | 0.231 | 1.130 |
| 20239_g_at | beta-fructofuranosidase 1 | 1.655 | 0.338 | 1 | 0.975 | 1.311 |
| 20284_at | pectinesterase-like protein | 1.200 | 0.335 | 1.288 | 0.256 | 1 |
| 20344_at | putative fatty acid elongase | 1 | 0.748 | 1.028 | 0.326 | 1.019 |
| 20345_at | similar to class I chitinases | 1.465 | 0.823 | 1 | 0.388 | 2.463 |
| 20719_at | putative disease resistance response protein | 1 | 0.573 | 1.119 | 0.389 | 1.099 |