|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ID | adj.P.Val | P.Value | t | B | logFC | dbEST\_ID | GB\_ACC | Annotation | SPOT\_ID |  |
| USD-526 | 0.146 | 0.000299 | -6.00997 | 0.6242 | 2.041047 | 58611304 | FK253782 | unknown |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| USD-608 | 0.146 | 0.000559 | -5.4725 | 0.1144 | 1.770543 | 58611379 | FK253857 | unknown |  |  |
| USD-125 | 0.146 | 0.000705 | 5.2816 | -0.0786 | 1.741755 | 58610898 | FK253376 | unknown |  |  |
| Tr-416 | 0.146 | 0.000978 | -5.01874 | -0.3549 | 1.691386 | NA |  | rehydrin | rehydrin |  |
| USD-256 | 0.146 | 0.001226 | 4.84165 | -0.548 | 1.589878 | 58611033 | FK253511 | Spherulin-1B precursor |  |  |
| USD-698 | 0.146 | 0.001521 | -4.67561 | -0.7343 | 1.564729 | NA |  | unknown | -- unknown clone: USD-698 |  |
| USD-187 | 0.146 | 0.001561 | 4.65587 | -0.7568 | 1.51643 | 58610961 | FK253439 | unknown |  |  |
| USD-460 | 0.146 | 0.001754 | -4.56764 | -0.8582 | 1.495996 | 58611239 | FK253717 | microsomal glutathione s-transferase 3 |  |  |
| USD-203 | 0.146 | 0.001761 | 4.56439 | -0.8619 | 1.468649 | NA |  | unknown | -- unknown clone: USD-203 |  |
| USD-27 | 0.146 | 0.002016 | 4.46339 | -0.9797 | 1.427174 | 58611048 | FK253526 | unknown |  |  |
| USD-447 | 0.146 | 0.00209 | -4.43646 | -1.0115 | 1.37072 | 58611223 | FK253701 | unknown |  |  |
| USD-714 | 0.155 | 0.002447 | -4.32018 | -1.15 | 1.339379 | NA |  | unknown | -- unknown clone: USD-714 |  |
| USD-107 | 0.155 | 0.002631 | 4.26739 | -1.2137 | 1.289815 | 58610880 | FK253358 | LTI30/XERO2 dehydrin |  |  |
| USD-668 | 0.155 | 0.00284 | -4.21173 | -1.2814 | 1.265246 | NA |  | unknown | -- unknown clone: USD-668 |  |
| USD-131 | 0.159 | 0.003108 | 4.14673 | -1.3611 | 1.252074 | NA |  | unknown | -- unknown clone: USD-131 |  |
| USD-511 | 0.164 | 0.003551 | -4.05137 | -1.4795 | 1.188339 | 58611289 | FK253767 | Heat shock cognate Hsp70 |  |  |
| USD-621 | 0.164 | 0.00363 | -4.03563 | -1.4992 | 1.187374 | 58611393 | FK253871 | unknown |  |  |
| USD-762 | 0.179 | 0.004217 | -3.92967 | -1.6329 | 1.183506 | 58611531 | FK254009 | unknown |  |  |
| USD-13 | 0.179 | 0.005084 | 3.79901 | -1.8003 | 1.17574 | 58610902 | FK253380 | unknown |  |  |
| USD-99 | 0.179 | 0.005157 | 3.78908 | -1.8132 | 1.170983 | NA |  | unknown | -- unknown clone: USD-99 |  |
| USD-726 | 0.179 | 0.005619 | -3.7297 | -1.8903 | 1.162576 | NA |  | unknown | -- unknown clone: USD-726 |  |
| USD-233 | 0.179 | 0.005651 | -3.72586 | -1.8953 | 1.146202 | 58611008 | FK253486 | serine/threonine-protein kinase-like -protein |  |  |
| USD-574 | 0.179 | 0.005725 | -3.71682 | -1.9071 | 1.129622 | 58611350 | FK253828 | unknown |  |  |
| USD-169 | 0.179 | 0.005751 | 3.71375 | -1.9111 | 1.114561 | 58610946 | FK253424 | unknown |  |  |
| USD-560 | 0.179 | 0.005829 | 3.70447 | -1.9232 | 1.101934 | 58611338 | FK253816 | unknown |  |  |
| USD-376 | 0.184 | 0.006262 | 3.65534 | -1.9877 | 1.097373 | 58611155 | FK253633 | unknown |  |  |
| USD-534 | 0.196 | 0.006922 | -3.58686 | -2.0781 | 1.091922 | 58611312 | FK253790 | unknown |  |  |
| USD-732 | 0.197 | 0.00756 | 3.52701 | -2.1578 | 1.087015 | 58611503 | FK253981 | unknown |  |  |
| USD-555 | 0.197 | 0.007668 | 3.51741 | -2.1706 | 1.084837 | 58611333 | FK253811 | unknown |  |  |
| USD-227 | 0.197 | 0.007714 | 3.51338 | -2.176 | 1.084104 | 58611000 | FK253478 | unknown |  |  |
| USD-328 | 0.201 | 0.008303 | 3.46372 | -2.2425 | 1.08067 | 58611107 | FK253585 | unknown |  |  |
| USD-212 | 0.201 | 0.008593 | 3.44066 | -2.2736 | 1.078598 | 58610984 | FK253462 | unknown |  |  |
| USD-284 | 0.201 | 0.008854 | 3.42055 | -2.3007 | 1.066338 | 58611064 | FK253542 | unknown |  |  |
| USD-586 | 0.201 | 0.009005 | -3.40924 | -2.316 | 1.06496 | NA |  | unknown | -- unknown clone: USD-586 |  |
| USD-186 | 0.201 | 0.009344 | -3.38452 | -2.3494 | 1.063071 | 58610960 | FK253438 | serine carboxypeptidase |  |  |
| USD-389 | 0.201 | 0.00946 | -3.37626 | -2.3606 | 1.061178 | 58611167 | FK253645 | unknown |  |  |
| USD-525 | 0.201 | 0.009702 | -3.35939 | -2.3835 | 1.047054 | 58611303 | FK253781 | unknown |  |  |
| USD-464 | 0.205 | 0.010158 | -3.32879 | -2.4251 | 1.042301 | 58611243 | FK253721 | hypothetical protein |  |  |
| USD-326 | 0.205 | 0.010449 | 3.31002 | -2.4508 | 1.015861 | 58611105 | FK253583 | unknown |  |  |
| USD-247 | 0.224 | 0.011689 | 3.23565 | -2.5526 | 1.015818 | 58611024 | FK253502 | unknown |  |  |
| USD-28 | 0.228 | 0.012423 | 3.19549 | -2.6078 | 1.012133 | 58611059 | FK253537 | unknown |  |  |
| USD-267 | 0.228 | 0.012571 | 3.1877 | -2.6186 | 1.005505 | 58611045 | FK253523 | unknown |  |  |
| USD-507 | 0.228 | 0.012851 | 3.17318 | -2.6386 | 1.002508 | 58611284 | FK253762 | unknown |  |  |
| USD-94 | 0.228 | 0.013229 | 3.15416 | -2.6649 | 1.000836 | NA |  | unknown | -- unknown clone: USD-94 |  |
| USD-250 | 0.228 | 0.013411 | 3.14515 | -2.6774 | 0.996776 | 58611027 | FK253505 | unknown |  |  |
| USD-632 | 0.233 | 0.013974 | -3.1182 | -2.7147 | 0.990283 | 58611406 | FK253884 | unknown |  |  |
| USD-145 | 0.233 | 0.014399 | 3.09859 | -2.7419 | 0.982957 | 58610919 | FK253397 | unknown |  |  |
| USD-653 | 0.233 | 0.014618 | 3.0887 | -2.7557 | 0.982577 | 58611427 | FK253905 | unknown |  |  |
| USD-304 | 0.238 | 0.015204 | 3.063 | -2.7914 | 0.98124 | 58611083 | FK253561 | unknown |  |  |
| USD-436 | 0.242 | 0.015919 | -3.03306 | -2.8331 | 0.970312 | NA |  | unknown | -- unknown clone: USD-436 |  |
| USD-381 | 0.242 | 0.01649 | 3.01011 | -2.8652 | 0.965895 | 58611161 | FK253639 | unknown |  |  |
| USD-685 | 0.242 | 0.016652 | 3.00374 | -2.8741 | 0.951732 | 58611456 | FK253934 | chalcone synthase |  |  |
| USD-295 | 0.242 | 0.016956 | 2.992 | -2.8905 | 0.942635 | 58611074 | FK253552 | unknown |  |  |
| USD-76 | 0.242 | 0.017258 | 2.98052 | -2.9066 | 0.931921 | 58611528 | FK254006 | unknown |  |  |
| USD-592 | 0.242 | 0.017578 | 2.9686 | -2.9232 | 0.931285 | 58611365 | FK253843 | unknown |  |  |
| USD-630 | 0.242 | 0.017671 | -2.96517 | -2.9281 | 0.917851 | 58611404 | FK253882 | rof1 peptidylprolyl isomerase |  |  |
| USD-487 | 0.244 | 0.018141 | -2.94812 | -2.9519 | 0.90674 | 58611265 | FK253743 | unknown |  |  |
| USD-590 | 0.245 | 0.018787 | -2.92548 | -2.9837 | 0.901774 | 58611363 | FK253841 | unknown |  |  |
| USD-300 | 0.245 | 0.018886 | -2.92207 | -2.9885 | 0.900956 | 58611079 | FK253557 | unknown |  |  |
| USD-215 | 0.246 | 0.019647 | 2.89651 | -3.0244 | 0.888876 | 58610987 | FK253465 | unknown |  |  |
| USD-315 | 0.246 | 0.020313 | 2.87498 | -3.0547 | 0.888714 | NA |  | unknown | -- unknown clone: USD-315 |  |
| USD-678 | 0.246 | 0.020889 | -2.85693 | -3.0801 | 0.882777 | NA |  | unknown | -- unknown clone: USD-678 |  |
| USD-230 | 0.246 | 0.020924 | 2.85587 | -3.0816 | 0.878209 | 58611004 | FK253482 | unknown |  |  |
| USD-380 | 0.246 | 0.021042 | 2.85222 | -3.0867 | 0.871868 | 58611160 | FK253638 | unknown |  |  |
| USD-77 | 0.246 | 0.021363 | 2.84248 | -3.1005 | 0.870385 | 58611535 | FK254013 | unknown |  |  |
| USD-514 | 0.246 | 0.02169 | -2.83268 | -3.1143 | 0.865021 | 58611291 | FK253769 | ERD4 early response to dehydration protein |  |  |
| USD-333 | 0.246 | 0.021902 | 2.82642 | -3.1231 | 0.855698 | 58611111 | FK253589 | unknown |  |  |
| USD-746 | 0.246 | 0.021953 | 2.82493 | -3.1252 | 0.851803 | 58611516 | FK253994 | unknown |  |  |
| USD-278 | 0.246 | 0.022187 | 2.8181 | -3.1348 | 0.850871 | 58611057 | FK253535 | unknown |  |  |
| USD-80 | 0.246 | 0.022527 | 2.80829 | -3.1487 | 0.84919 | 58611540 | FK254018 | unknown |  |  |
| USD-147 | 0.246 | 0.023062 | 2.79322 | -3.1699 | 0.84846 | NA |  | unknown | -- unknown clone: USD-147 |  |
| USD-31 | 0.246 | 0.023432 | 2.78297 | -3.1844 | 0.848443 | 58611090 | FK253568 | unknown |  |  |
| USD-59 | 0.246 | 0.023449 | 2.78251 | -3.1851 | 0.847466 | 58611362 | FK253840 | unknown |  |  |
| USD-204 | 0.253 | 0.025027 | 2.7407 | -3.2442 | 0.847227 | 58610976 | FK253454 | hypothetical protein : y5175\_arath protein at5g01750 |  |  |
| USD-180 | 0.253 | 0.025172 | -2.73698 | -3.2494 | 0.84678 | 58610955 | FK253433 | light-harvesting chlorophyll a/b-binding protein |  |  |
| USD-275 | 0.253 | 0.025198 | -2.73634 | -3.2503 | 0.84424 | 58611054 | FK253532 | 16kDa membrane protein |  |  |
| USD-351 | 0.253 | 0.025446 | 2.73004 | -3.2592 | 0.835383 | NA |  | unknown | -- unknown clone: USD-351 |  |
| USD-155 | 0.254 | 0.025824 | 2.72058 | -3.2726 | 0.830144 | 58610929 | FK253407 | unknown |  |  |
| USD-320 | 0.254 | 0.026206 | 2.71117 | -3.2859 | 0.828731 | NA |  | unknown | -- unknown clone: USD-320 |  |
| USD-171 | 0.255 | 0.02664 | 2.70065 | -3.3008 | 0.823371 | 58610948 | FK253426 | unknown |  |  |
| USD-606 | 0.256 | 0.027409 | -2.68244 | -3.3266 | 0.823323 | NA |  | unknown | -- unknown clone: USD-606 |  |
| USD-87 | 0.256 | 0.027431 | 2.68192 | -3.3273 | 0.822465 | 58611547 | FK254025 | unknown |  |  |
| USD-102 | 0.258 | 0.028223 | 2.66371 | -3.3531 | 0.821253 | 58610877 | FK253355 | lactoylglutathione lyase family protein |  |  |
| USD-761 | 0.258 | 0.028302 | -2.66191 | -3.3557 | 0.817355 | 58611530 | FK254008 | unknown |  |  |
| USD-467 | 0.264 | 0.029253 | -2.6408 | -3.3856 | 0.816157 | 58611246 | FK253724 | unknown |  |  |
| USD-563 | 0.273 | 0.030662 | -2.61073 | -3.4282 | 0.815932 | 58611339 | FK253817 | unknown |  |  |
| USD-383 | 0.273 | 0.031041 | 2.60288 | -3.4393 | 0.815631 | 58611163 | FK253641 | unknown |  |  |
| USD-288 | 0.286 | 0.032854 | 2.56666 | -3.4906 | 0.811576 | 58611068 | FK253546 | unknown |  |  |
| USD-539 | 0.287 | 0.033557 | -2.55316 | -3.5098 | 0.807186 | 58611317 | FK253795 | trehalase |  |  |
| USD-231 | 0.287 | 0.033767 | 2.54919 | -3.5154 | 0.805965 | 58611005 | FK253483 | rehydrin Tr-288 |  |  |
| USD-686 | 0.293 | 0.035097 | -2.52457 | -3.5503 | 0.800587 | 58611457 | FK253935 | unknown |  |  |
| USD-694 | 0.293 | 0.035814 | -2.51167 | -3.5685 | 0.797248 | 58611465 | FK253943 | unknown |  |  |
| USD-217 | 0.293 | 0.036061 | 2.5073 | -3.5747 | 0.797098 | 58610989 | FK253467 | unknown |  |  |
| USD-64 | 0.293 | 0.036137 | 2.50595 | -3.5766 | 0.790047 | 58611414 | FK253892 | unknown |  |  |
| USD-360 | 0.293 | 0.036784 | 2.49465 | -3.5926 | 0.786073 | 58611140 | FK253618 | unknown |  |  |
| USD-163 | 0.293 | 0.037216 | 2.48722 | -3.6032 | 0.783363 | 58610938 | FK253416 | unknown |  |  |
| USD-497 | 0.293 | 0.037315 | -2.48553 | -3.6055 | 0.781289 | 58611275 | FK253753 | unknown |  |  |
| USD-73 | 0.293 | 0.037453 | 2.48317 | -3.6089 | 0.766618 | 58611500 | FK253978 | unknown |  |  |
| USD-477 | 0.304 | 0.039501 | 2.44929 | -3.6568 | 0.766346 | 58611254 | FK253732 | unknown |  |  |
| USD-459 | 0.304 | 0.039737 | 2.4455 | -3.6622 | 0.753773 | 58611236 | FK253714 | unknown |  |  |
| USD-578 | 0.306 | 0.040371 | -2.43542 | -3.6765 | 0.753486 | 58611352 | FK253830 | trehalase |  |  |
| USD-91 | 0.306 | 0.040813 | 2.42849 | -3.6863 | 0.745524 | 58611550 | FK254028 | unknown |  |  |
| USD-188 | 0.309 | 0.041587 | -2.41653 | -3.7032 | 0.739009 | NA |  | unknown | -- unknown clone: USD-188 |  |
| USD-185 | 0.309 | 0.041971 | 2.4107 | -3.7114 | 0.733988 | NA |  | unknown | -- unknown clone: USD-185 |  |
| USD-93 | 0.31 | 0.042553 | 2.40193 | -3.7238 | 0.727197 | 58611552 | FK254030 | unknown |  |  |
| USD-717 | 0.313 | 0.043709 | 2.38488 | -3.7479 | 0.711326 | 58611488 | FK253966 | unknown |  |  |
| USD-495 | 0.313 | 0.043913 | -2.38191 | -3.7521 | 0.707552 | 58611273 | FK253751 | unknown |  |  |
| USD-491 | 0.313 | 0.04422 | 2.37748 | -3.7583 | 0.702961 | 58611269 | FK253747 | phenylalanine ammonia-lyase |  |  |
| USD-596 | 0.313 | 0.044529 | -2.37306 | -3.7646 | 0.696446 | 58611368 | FK253846 | unknown |  |  |
| USD-410 | 0.319 | 0.046049 | 2.3517 | -3.7947 | 0.691981 | NA |  | unknown | -- unknown clone: USD-410 |  |
| USD-30 | 0.319 | 0.04624 | 2.34907 | -3.7984 | 0.690921 | 58611078 | FK253556 | aldehyde dehydrogenase Aldh21A1from Tortula ruralis |  |  |
| USD-121 | 0.326 | 0.047625 | -2.33031 | -3.8249 | 0.690009 | NA |  | unknown | -- unknown clone: USD-121 |  |
| USD-591 | 0.336 | 0.049605 | -2.30439 | -3.8613 | 0.686246 | 58611364 | FK253842 | plastocyanin docking protein PSI subunit III |  |  |
| USD-348 | 0.341 | 0.05075 | 2.28987 | -3.8818 | 0.686101 | 58611125 | FK253603 | unknown |  |  |
| USD-156 | 0.351 | 0.053005 | -2.26221 | -3.9206 | 0.684358 | 58610930 | FK253408 | chloroplast carbonic anhydrase precursor |  |  |
| USD-307 | 0.351 | 0.053195 | -2.25992 | -3.9238 | 0.681913 | 58611087 | FK253565 | unknown |  |  |
| USD-651 | 0.351 | 0.053984 | 2.25056 | -3.9369 | 0.680737 | 58611425 | FK253903 | unknown |  |  |
| USD-136 | 0.351 | 0.054042 | 2.24987 | -3.9379 | 0.680666 | 58610908 | FK253386 | unknown |  |  |
| USD-640 | 0.351 | 0.05468 | -2.2424 | -3.9484 | 0.679978 | 58611415 | FK253893 | unknown |  |  |
| USD-347 | 0.351 | 0.055063 | 2.23796 | -3.9546 | 0.678906 | 58611124 | FK253602 | unknown |  |  |
| USD-719 | 0.351 | 0.055465 | 2.23333 | -3.9611 | 0.67575 | 58611490 | FK253968 | unknown |  |  |
| USD-154 | 0.355 | 0.056531 | 2.22121 | -3.978 | 0.670495 | 58610928 | FK253406 | dehydroascorbate reductase |  |  |
| USD-291 | 0.358 | 0.058826 | 2.19586 | -4.0135 | 0.655395 | 58611072 | FK253550 | unknown |  |  |
| USD-398 | 0.358 | 0.059366 | -2.19003 | -4.0216 | 0.653044 | 58611175 | FK253653 | unknown |  |  |
| USD-8 | 0.358 | 0.059418 | 2.18948 | -4.0224 | 0.651547 | 58611539 | FK254017 | unknown |  |  |
| USD-286 | 0.358 | 0.05966 | 2.18689 | -4.026 | 0.648885 | 58611066 | FK253544 | unknown |  |  |
| USD-481 | 0.358 | 0.059849 | -2.18487 | -4.0288 | 0.64245 | 58611259 | FK253737 | unknown |  |  |
| USD-664 | 0.358 | 0.059903 | -2.1843 | -4.0296 | 0.639302 | 58611437 | FK253915 | unknown |  |  |
| USD-297 | 0.361 | 0.060847 | 2.17434 | -4.0435 | 0.631802 | 58611075 | FK253553 | unknown |  |  |
| USD-667 | 0.368 | 0.062452 | -2.15774 | -4.0666 | 0.626128 | 58611440 | FK253918 | chitinase 134 |  |  |
| USD-344 | 0.37 | 0.063665 | 2.14547 | -4.0837 | 0.625526 | 58611122 | FK253600 | unknown |  |  |
| USD-164 | 0.37 | 0.063678 | 2.14533 | -4.0838 | 0.623117 | NA |  | unknown | -- unknown clone: USD-164 |  |
| USD-581 | 0.377 | 0.065384 | -2.12846 | -4.1073 | 0.621933 | 58611356 | FK253834 | unknown |  |  |
| USD-449 | 0.377 | 0.065989 | -2.12259 | -4.1154 | 0.618646 | 58611225 | FK253703 | unknown |  |  |
| USD-439 | 0.426 | 0.07515 | 2.03947 | -4.2301 | 0.618067 | 58611215 | FK253693 | unknown |  |  |
| USD-322 | 0.433 | 0.076862 | 2.02504 | -4.2499 | 0.616825 | 58611103 | FK253581 | unknown |  |  |
| USD-354 | 0.433 | 0.077448 | -2.02017 | -4.2566 | 0.609883 | 58611133 | FK253611 | putative ethanolamine kinase 1 : choline kinase |  |  |
| USD-523 | 0.446 | 0.080297 | -1.997 | -4.2883 | 0.609288 | 58611301 | FK253779 | unknown |  |  |
| USD-432 | 0.454 | 0.082377 | -1.98058 | -4.3107 | 0.603516 | 58611209 | FK253687 | unknown |  |  |
| USD-465 | 0.469 | 0.085798 | 1.95442 | -4.3463 | 0.589769 | 58611244 | FK253722 | unknown |  |  |
| USD-693 | 0.47 | 0.086554 | -1.94878 | -4.3539 | 0.587713 | 58611464 | FK253942 | Low temperature-induced protein |  |  |
| USD-579 | 0.474 | 0.087788 | -1.93966 | -4.3663 | 0.584185 | 58611353 | FK253831 | unknown |  |  |
| USD-470 | 0.489 | 0.092419 | -1.90652 | -4.411 | 0.581456 | 58611250 | FK253728 | unknown |  |  |
| USD-408 | 0.489 | 0.092515 | -1.90585 | -4.4119 | 0.575951 | 58611185 | FK253663 | oligopeptide transporter family: iron transport protein 2 |  |  |
| USD-711 | 0.489 | 0.092646 | 1.90494 | -4.4131 | 0.575136 | 58611483 | FK253961 | lipoxygenase-1 |  |  |
| USD-612 | 0.493 | 0.093903 | -1.89624 | -4.4248 | 0.572158 | 58611384 | FK253862 | unknown |  |  |
| USD-274 | 0.499 | 0.095776 | 1.88347 | -4.442 | 0.57208 | 58611053 | FK253531 | early light-inducible protein ELIPA |  |  |
| USD-723 | 0.502 | 0.097012 | 1.87518 | -4.4531 | 0.571842 | 58611495 | FK253973 | unknown |  |  |
| USD-658 | 0.502 | 0.097718 | -1.87049 | -4.4594 | 0.568583 | 58611432 | FK253910 | Thioredoxin H-type (TRX-H) protein |  |  |
| USD-600 | 0.503 | 0.098462 | -1.86558 | -4.4659 | 0.568494 | 58611372 | FK253850 | unknown |  |  |
| USD-183 | 0.504 | 0.099366 | 1.85967 | -4.4738 | 0.564407 | 58610958 | FK253436 | unknown |  |  |
| USD-396 | 0.519 | 0.103064 | 1.83598 | -4.5054 | 0.558844 | 58611173 | FK253651 | unknown |  |  |
| USD-141 | 0.526 | 0.105089 | 1.82335 | -4.5222 | 0.556369 | 58610915 | FK253393 | phosphatidylethanolamine-binding factor - cold regulated |  |  |
| USD-176 | 0.529 | 0.106314 | 1.81581 | -4.5321 | 0.549456 | 58610952 | FK253430 | unknown protein |  |  |
| USD-637 | 0.534 | 0.10905 | -1.79929 | -4.554 | 0.547206 | 58611411 | FK253889 | 12-oxophytodienoate reductase opr2 |  |  |
| USD-565 | 0.534 | 0.109327 | 1.79763 | -4.5562 | 0.543787 | 58611341 | FK253819 | 3-deoxy-d-arabino-heptulosonate 7-phosphate synthase |  |  |
| USD-461 | 0.534 | 0.110207 | 1.79241 | -4.563 | 0.542459 | 58611240 | FK253718 | unknown |  |  |
| USD-205 | 0.534 | 0.110978 | 1.78787 | -4.569 | 0.539942 | 58610977 | FK253455 | peroxisomal membrane 22 kDa family |  |  |
| USD-33 | 0.534 | 0.111048 | 1.78746 | -4.5696 | 0.539587 | 58611109 | FK253587 | unknown |  |  |
| USD-174 | 0.534 | 0.111629 | 1.78406 | -4.574 | 0.535028 | 58610950 | FK253428 | fasciclin-like protein precursor |  |  |
| USD-318 | 0.535 | 0.113483 | 1.77332 | -4.5881 | 0.532115 | 58611098 | FK253576 | unknown |  |  |
| USD-516 | 0.535 | 0.11406 | -1.77001 | -4.5925 | 0.529352 | 58611293 | FK253771 | unknown |  |  |
| USD-752 | 0.535 | 0.114299 | 1.76864 | -4.5943 | 0.520279 | 58611520 | FK253998 | unknown |  |  |
| USD-425 | 0.535 | 0.114487 | 1.76757 | -4.5957 | 0.518272 | 58611201 | FK253679 | hypothetical protein |  |  |
| USD-476 | 0.54 | 0.116385 | 1.75683 | -4.6097 | 0.516257 | NA |  | unknown | -- unknown clone: USD-476 |  |
| USD-226 | 0.542 | 0.118155 | 1.74695 | -4.6226 | 0.512054 | 58610999 | FK253477 | unknown |  |  |
| USD-702 | 0.542 | 0.118183 | 1.7468 | -4.6228 | 0.511239 | 58611474 | FK253952 | unknown |  |  |
| USD-611 | 0.559 | 0.122966 | -1.72081 | -4.6566 | 0.510563 | 58611383 | FK253861 | unknown |  |  |
| USD-340 | 0.559 | 0.124383 | -1.71329 | -4.6663 | 0.508259 | 58611119 | FK253597 | predicted protein: hydrophobin |  |  |
| USD-528 | 0.559 | 0.124804 | -1.71107 | -4.6692 | 0.507035 | 58611306 | FK253784 | 3-deoxy-d-arabino-heptulosonate 7-phosphate synthase |  |  |
| USD-394 | 0.559 | 0.125217 | 1.7089 | -4.672 | 0.5069 | 58611172 | FK253650 | at5g45690 mra19\_8 |  |  |
| USD-738 | 0.559 | 0.12766 | -1.6962 | -4.6884 | 0.504576 | 58611508 | FK253986 | unknown |  |  |
| USD-269 | 0.559 | 0.12781 | 1.69543 | -4.6894 | 0.50434 | 58611047 | FK253525 | NRK1 MAPK |  |  |
| USD-433 | 0.559 | 0.128377 | -1.69252 | -4.6931 | 0.502747 | 58611210 | FK253688 | ysl transporter |  |  |
| USD-218 | 0.559 | 0.128449 | 1.69214 | -4.6936 | 0.501597 | 58610990 | FK253468 | zinc finger (C3HC4-type RING finger- family) |  |  |
| USD-335 | 0.559 | 0.128967 | 1.6895 | -4.697 | 0.496373 | 58611113 | FK253591 | unknown |  |  |
| USD-166 | 0.559 | 0.129181 | -1.6884 | -4.6984 | 0.491125 | 58610942 | FK253420 | unknown |  |  |
| USD-4 | 0.569 | 0.132128 | 1.67354 | -4.7175 | 0.488784 | NA |  | unknown | -- unknown clone: USD-4 |  |
| USD-620 | 0.576 | 0.13468 | -1.66091 | -4.7336 | 0.48458 | 58611392 | FK253870 | unknown |  |  |
| USD-40 | 0.579 | 0.136082 | 1.65407 | -4.7423 | 0.484544 | 58611177 | FK253655 | unknown |  |  |
| USD-462 | 0.581 | 0.137723 | -1.64614 | -4.7524 | 0.484466 | 58611241 | FK253719 | glyceraldehyde-3-phosphate dehydrogenase |  |  |
| USD-489 | 0.581 | 0.138114 | 1.64426 | -4.7548 | 0.482459 | 58611267 | FK253745 | unknown |  |  |
| USD-37 | 0.582 | 0.139443 | 1.63792 | -4.7629 | 0.482222 | 58611150 | FK253628 | unknown |  |  |
| USD-282 | 0.582 | 0.140228 | 1.6342 | -4.7676 | 0.481874 | 58611062 | FK253540 | senescence-associated : 60s ribosomal protein l5 |  |  |
| USD-56 | 0.582 | 0.140741 | 1.63178 | -4.7706 | 0.481372 | 58611337 | FK253815 | unknown |  |  |
| USD-692 | 0.582 | 0.141684 | -1.62736 | -4.7762 | 0.473015 | 58611463 | FK253941 | unknown |  |  |
| USD-473 | 0.582 | 0.142584 | 1.62315 | -4.7816 | 0.4727 | NA |  | unknown | -- unknown clone: USD-473 |  |
| USD-238 | 0.582 | 0.142991 | 1.62126 | -4.7839 | 0.471015 | NA |  | unknown | -- unknown clone: USD-238 |  |
| USD-181 | 0.582 | 0.14348 | 1.619 | -4.7868 | 0.469706 | 58610956 | FK253434 | unknown |  |  |
| USD-666 | 0.586 | 0.147025 | 1.60277 | -4.8072 | 0.469311 | 58611439 | FK253917 | unknown |  |  |
| USD-85 | 0.586 | 0.148141 | 1.59774 | -4.8135 | 0.468771 | 58611545 | FK254023 | unknown |  |  |
| USD-522 | 0.586 | 0.148473 | 1.59625 | -4.8154 | 0.464097 | 58611300 | FK253778 | unknown |  |  |
| USD-515 | 0.586 | 0.148812 | 1.59473 | -4.8173 | 0.461039 | 58611292 | FK253770 | unknown |  |  |
| USD-21 | 0.586 | 0.148958 | 1.59407 | -4.8181 | 0.458034 | 58610980 | FK253458 | bdn1 |  |  |
| USD-669 | 0.586 | 0.14906 | -1.59362 | -4.8187 | 0.457482 | 58611441 | FK253919 | unknown |  |  |
| USD-122 | 0.586 | 0.149893 | 1.5899 | -4.8233 | 0.453629 | 58610895 | FK253373 | unknown |  |  |
| USD-758 | 0.593 | 0.152669 | -1.57766 | -4.8386 | 0.451852 | 58611526 | FK254004 | YSL7 (Yellow Stripe Like 7); oligopeptide transporter |  |  |
| USD-757 | 0.593 | 0.153406 | 1.57444 | -4.8426 | 0.448468 | 58611525 | FK254003 | unknown |  |  |
| USD-635 | 0.595 | 0.156515 | 1.56102 | -4.8593 | 0.444584 | 58611409 | FK253887 | unknown |  |  |
| USD-306 | 0.595 | 0.156736 | 1.56008 | -4.8604 | 0.443674 | NA |  | unknown | -- unknown clone: USD-306 |  |
| USD-751 | 0.595 | 0.156829 | 1.55968 | -4.8609 | 0.439732 | 58611519 | FK253997 | unknown |  |  |
| USD-252 | 0.595 | 0.157129 | 1.55841 | -4.8625 | 0.43765 | 58611029 | FK253507 | unknown |  |  |
| USD-311 | 0.595 | 0.157697 | 1.55599 | -4.8655 | 0.437176 | NA |  | unknown | -- unknown clone: USD-311 |  |
| USD-754 | 0.599 | 0.159691 | -1.54757 | -4.8759 | 0.436017 | 58611522 | FK254000 | unknown |  |  |
| USD-655 | 0.599 | 0.160794 | 1.54295 | -4.8816 | 0.43511 | 58611429 | FK253907 | unknown |  |  |
| USD-248 | 0.599 | 0.161088 | 1.54172 | -4.8831 | 0.434825 | 58611025 | FK253503 | hypothetical protein |  |  |
| USD-79 | 0.599 | 0.161787 | 1.53881 | -4.8867 | 0.432183 | NA |  | unknown | -- unknown clone: USD-79 |  |
| USD-699 | 0.605 | 0.164206 | -1.52884 | -4.8989 | 0.43085 | 58611469 | FK253947 | unknown |  |  |
| USD-479 | 0.608 | 0.166992 | -1.51751 | -4.9128 | 0.430815 | 58611256 | FK253734 | unknown |  |  |
| USD-597 | 0.608 | 0.167075 | -1.51718 | -4.9132 | 0.428107 | 58611369 | FK253847 | unknown |  |  |
| USD-554 | 0.608 | 0.167564 | 1.51521 | -4.9156 | 0.42759 | 58611332 | FK253810 | unknown |  |  |
| USD-457 | 0.622 | 0.172548 | 1.49542 | -4.9396 | 0.42591 | 58611234 | FK253712 | unknown |  |  |
| USD-113 | 0.622 | 0.173012 | 1.49361 | -4.9418 | 0.423632 | 58610887 | FK253365 | AWPM-19-like membrane family protein |  |  |
| USD-390 | 0.624 | 0.174309 | -1.48855 | -4.948 | 0.419832 | NA |  | unknown | -- unknown clone: USD-390 |  |
| USD-116 | 0.63 | 0.179971 | 1.46688 | -4.974 | 0.417286 | 58610889 | FK253367 | 60S ribosomal protein L27a |  |  |
| USD-38 | 0.63 | 0.1801 | -1.46639 | -4.9746 | 0.415371 | 58611159 | FK253637 | senescence-associated protein 12 |  |  |
| USD-150 | 0.63 | 0.1811 | 1.46262 | -4.9791 | 0.414585 | 58610924 | FK253402 | hydrolase, alpha/beta fold family protein |  |  |
| USD-660 | 0.63 | 0.181105 | -1.46261 | -4.9792 | 0.413183 | NA |  | unknown | -- unknown clone: USD-660 |  |
| USD-130 | 0.63 | 0.181355 | 1.46167 | -4.9803 | 0.413049 | 58610903 | FK253381 | unknown |  |  |
| USD-626 | 0.63 | 0.181458 | -1.46128 | -4.9807 | 0.412311 | 58611398 | FK253876 | unknown |  |  |
| USD-207 | 0.63 | 0.181989 | 1.4593 | -4.9831 | 0.409186 | 58610979 | FK253457 | unknown |  |  |
| USD-406 | 0.63 | 0.182522 | -1.45731 | -4.9855 | 0.408674 | 58611183 | FK253661 | 12-oxo-phytodienoic acid reductase |  |  |
| USD-358 | 0.631 | 0.184381 | -1.45041 | -4.9937 | 0.408564 | 58611137 | FK253615 | unknown |  |  |
| USD-595 | 0.631 | 0.184587 | -1.44965 | -4.9946 | 0.406918 | 58611367 | FK253845 | unknown |  |  |
| USD-220 | 0.642 | 0.188586 | 1.43502 | -5.012 | 0.406413 | 58610993 | FK253471 | unknown |  |  |
| USD-588 | 0.642 | 0.189489 | -1.43176 | -5.0159 | 0.395402 | NA |  | unknown | -- unknown clone: USD-588 |  |
| USD-339 | 0.647 | 0.19182 | -1.4234 | -5.0257 | 0.391894 | 58611117 | FK253595 | unknown |  |  |
| USD-652 | 0.647 | 0.193106 | -1.41882 | -5.0311 | 0.3918 | 58611426 | FK253904 | heavy meromyosin-like protein |  |  |
| USD-48 | 0.647 | 0.193426 | -1.41769 | -5.0325 | 0.389153 | 58611257 | FK253735 | phospholipase D delta isoform 1a |  |  |
| USD-327 | 0.649 | 0.195642 | 1.40987 | -5.0416 | 0.385991 | 58611106 | FK253584 | unknown |  |  |
| USD-422 | 0.649 | 0.195642 | 1.40987 | -5.0416 | 0.385437 | 58611199 | FK253677 | (S)-2-hydroxy-acid oxidase, glycolate oxidase |  |  |
| USD-235 | 0.649 | 0.19656 | -1.40666 | -5.0454 | 0.384352 | 58611010 | FK253488 | BRO-1 domain protein (endosome targeting) |  |  |
| USD-251 | 0.653 | 0.198685 | 1.39927 | -5.054 | 0.383776 | 58611028 | FK253506 | unknown |  |  |
| USD-680 | 0.66 | 0.20168 | -1.38897 | -5.066 | 0.383687 | 58611558 | FK254036 | unknown |  |  |
| USD-270 | 0.66 | 0.202358 | 1.38666 | -5.0687 | 0.382189 | 58611049 | FK253527 | unknown |  |  |
| USD-722 | 0.66 | 0.203879 | 1.3815 | -5.0747 | 0.378315 | 58611494 | FK253972 | unknown |  |  |
| USD-756 | 0.66 | 0.206083 | -1.37407 | -5.0833 | 0.37377 | 58611524 | FK254002 | unknown |  |  |
| USD-583 | 0.66 | 0.206516 | -1.37262 | -5.085 | 0.372033 | 58611358 | FK253836 | unknown |  |  |
| USD-443 | 0.66 | 0.206594 | -1.37236 | -5.0853 | 0.371842 | 58611220 | FK253698 | unknown |  |  |
| USD-559 | 0.66 | 0.208745 | -1.3652 | -5.0935 | 0.368993 | 58611336 | FK253814 | FIP1 (FH Interacting Protein 1) |  |  |
| USD-337 | 0.66 | 0.209131 | 1.36392 | -5.095 | 0.368864 | 58611115 | FK253593 | unknown |  |  |
| USD-677 | 0.66 | 0.211073 | -1.35752 | -5.1024 | 0.367941 | 58611449 | FK253927 | unknown |  |  |
| USD-262 | 0.66 | 0.211298 | -1.35678 | -5.1032 | 0.367829 | 58611040 | FK253518 | unknown |  |  |
| USD-622 | 0.66 | 0.211363 | 1.35656 | -5.1035 | 0.366332 | 58611394 | FK253872 | enoyl-hydratase isomerase family protein |  |  |
| USD-670 | 0.66 | 0.211642 | -1.35565 | -5.1045 | 0.365427 | 58611443 | FK253921 | unknown |  |  |
| USD-718 | 0.66 | 0.212141 | -1.35402 | -5.1064 | 0.365021 | 58611489 | FK253967 | unknown |  |  |
| USD-446 | 0.66 | 0.214303 | 1.34698 | -5.1144 | 0.363604 | 58611222 | FK253700 | fasciclin-like protein precursor |  |  |
| USD-633 | 0.66 | 0.214651 | -1.34585 | -5.1157 | 0.361845 | 58611407 | FK253885 | hypothetical protein:leucine zipper-containing protein |  |  |
| USD-330 | 0.66 | 0.215342 | -1.34362 | -5.1182 | 0.360918 | 58611110 | FK253588 | Pirin-like protein |  |  |
| USD-452 | 0.66 | 0.215879 | -1.34189 | -5.1202 | 0.359737 | 58611229 | FK253707 | unknown |  |  |
| USD-365 | 0.66 | 0.216323 | 1.34046 | -5.1218 | 0.357781 | NA |  | unknown | -- unknown clone: USD-365 |  |
| USD-134 | 0.66 | 0.218323 | 1.33405 | -5.1291 | 0.357328 | 58610906 | FK253384 | unknown |  |  |
| USD-605 | 0.66 | 0.218468 | 1.33359 | -5.1296 | 0.352166 | 58611377 | FK253855 | NtermTM-C2Type1.2 protein clb1 |  |  |
| USD-159 | 0.66 | 0.218756 | 1.33267 | -5.1307 | 0.349588 | 58610933 | FK253411 | transmembrane bax inhibitor motif-containing protein 4 |  |  |
| USD-177 | 0.665 | 0.221299 | 1.32461 | -5.1398 | 0.348849 | NA |  | unknown | -- unknown clone: USD-177 |  |
| USD-431 | 0.665 | 0.223375 | -1.31809 | -5.1472 | 0.348606 | 58611208 | FK253686 | unknown |  |  |
| USD-542 | 0.665 | 0.223377 | -1.31809 | -5.1472 | 0.346953 | 58611321 | FK253799 | protein phosphatase 2C |  |  |
| USD-401 | 0.665 | 0.224563 | -1.31438 | -5.1513 | 0.344719 | 58611179 | FK253657 | unknown |  |  |
| USD-764 | 0.665 | 0.224911 | 1.3133 | -5.1526 | 0.336336 | 58611532 | FK254010 | unknown |  |  |
| USD-60 | 0.673 | 0.228318 | -1.30277 | -5.1644 | 0.33522 | 58611371 | FK253849 | unknown |  |  |
| USD-160 | 0.678 | 0.230874 | 1.29496 | -5.1731 | 0.332111 | 58610935 | FK253413 | F6 cell death-regulatory protein grim19 |  |  |
| USD-29 | 0.684 | 0.235334 | -1.2815 | -5.188 | 0.331272 | 58611070 | FK253548 | unknown |  |  |
| USD-219 | 0.684 | 0.235968 | 1.27961 | -5.1901 | 0.331025 | 58610991 | FK253469 | 60s ribosomal protein l37 |  |  |
| USD-474 | 0.684 | 0.23674 | 1.2773 | -5.1926 | 0.330949 | NA |  | unknown | -- unknown clone: USD-474 |  |
| USD-488 | 0.684 | 0.23734 | -1.27552 | -5.1946 | 0.321347 | 58611266 | FK253744 | unknown |  |  |
| USD-569 | 0.684 | 0.238131 | 1.27317 | -5.1972 | 0.320603 | 58611345 | FK253823 | keratinocytes proline-rich protein |  |  |
| USD-550 | 0.684 | 0.23918 | -1.27007 | -5.2006 | 0.315332 | 58611329 | FK253807 | unknown |  |  |
| USD-572 | 0.684 | 0.239294 | 1.26973 | -5.201 | 0.313401 | NA |  | unknown | -- unknown clone: USD-572 |  |
| USD-395 | 0.687 | 0.241152 | 1.26427 | -5.207 | 0.31237 | NA |  | unknown | -- unknown clone: USD-395 |  |
| USD-193 | 0.688 | 0.243844 | 1.25641 | -5.2156 | 0.307758 | 58610966 | FK253444 | unknown |  |  |
| USD-137 | 0.688 | 0.244281 | 1.25514 | -5.217 | 0.301444 | 58610909 | FK253387 | unknown |  |  |
| USD-618 | 0.688 | 0.244664 | -1.25403 | -5.2182 | 0.299628 | 58611389 | FK253867 | unknown |  |  |
| USD-688 | 0.688 | 0.24568 | -1.25109 | -5.2214 | 0.298736 | 58611459 | FK253937 | unknown |  |  |
| USD-195 | 0.688 | 0.246077 | 1.24995 | -5.2226 | 0.297103 | 58610968 | FK253446 | unknown |  |  |
| USD-524 | 0.688 | 0.247093 | 1.24702 | -5.2258 | 0.292963 | 58611302 | FK253780 | unknown |  |  |
| USD-67 | 0.691 | 0.248915 | 1.2418 | -5.2315 | 0.292013 | 58611442 | FK253920 | hypothetical protein: Phosphate acyltransferases (Tafazzin) |  |  |
| USD-519 | 0.691 | 0.251211 | -1.23527 | -5.2386 | 0.291623 | 58611296 | FK253774 | voltage-dependent anion-selective channel protein hsr2 |  |  |
| USD-484 | 0.691 | 0.252706 | -1.23105 | -5.2431 | 0.28952 | 58611262 | FK253740 | unknown |  |  |
| USD-366 | 0.691 | 0.253695 | 1.22826 | -5.2461 | 0.289144 | 58611146 | FK253624 | unknown |  |  |
| USD-634 | 0.691 | 0.254633 | -1.22563 | -5.2489 | 0.288976 | 58611408 | FK253886 | unknown |  |  |
| USD-149 | 0.691 | 0.255288 | 1.22379 | -5.2509 | 0.287012 | NA |  | unknown | -- unknown clone: USD-149 |  |
| USD-512 | 0.691 | 0.255533 | 1.22311 | -5.2517 | 0.286926 | 58611290 | FK253768 | unknown |  |  |
| USD-310 | 0.691 | 0.258413 | -1.2151 | -5.2602 | 0.281995 | 58611091 | FK253569 | unknown |  |  |
| USD-556 | 0.691 | 0.259195 | 1.21294 | -5.2625 | 0.281738 | 58611334 | FK253812 | unknown |  |  |
| USD-403 | 0.691 | 0.260662 | -1.2089 | -5.2668 | 0.280489 | 58611180 | FK253658 | unknown |  |  |
| USD-721 | 0.691 | 0.261233 | -1.20733 | -5.2685 | 0.279822 | 58611493 | FK253971 | unknown |  |  |
| USD-598 | 0.691 | 0.261449 | -1.20674 | -5.2691 | 0.277533 | NA |  | unknown | -- unknown clone: USD-598 |  |
| USD-747 | 0.691 | 0.261508 | 1.20657 | -5.2693 | 0.274312 | NA |  | unknown | -- unknown clone: USD-747 |  |
| USD-413 | 0.691 | 0.261836 | 1.20568 | -5.2703 | 0.272498 | 58611190 | FK253668 | unknown |  |  |
| USD-450 | 0.691 | 0.262249 | -1.20455 | -5.2715 | 0.269006 | 58611227 | FK253705 | hypothetical protein at5g13610 msh12\_7 |  |  |
| USD-657 | 0.691 | 0.263042 | -1.20238 | -5.2738 | 0.26468 | 58611431 | FK253909 | unknown |  |  |
| USD-189 | 0.691 | 0.263501 | 1.20113 | -5.2751 | 0.263611 | 58610962 | FK253440 | translation elongation factor-1 alpha |  |  |
| USD-767 | 0.694 | 0.265443 | -1.19586 | -5.2807 | 0.26321 | NA |  | unknown | -- unknown clone: USD-767 |  |
| USD-503 | 0.694 | 0.26681 | 1.19216 | -5.2846 | 0.256701 | 58611280 | FK253758 | unknown |  |  |
| USD-749 | 0.694 | 0.267224 | 1.19105 | -5.2858 | 0.255449 | NA |  | unknown | -- unknown clone: USD-749 |  |
| USD-43 | 0.695 | 0.268641 | 1.18724 | -5.2898 | 0.254492 | 58611206 | FK253684 | unknown |  |  |
| USD-342 | 0.695 | 0.270292 | 1.18282 | -5.2944 | 0.25306 | NA |  | unknown | -- unknown clone: USD-342 |  |
| USD-724 | 0.695 | 0.270397 | -1.18254 | -5.2947 | 0.252883 | NA |  | unknown | -- unknown clone: USD-724 |  |
| Tr-cpk | 0.697 | 0.272015 | -1.17824 | -5.2992 | 0.251683 | NA | U82087 | T. ruralis calmodulin-like domain protein kinase |  |  |
| USD-387 | 0.703 | 0.275226 | -1.16976 | -5.3081 | 0.249218 | 58611165 | FK253643 | hypothetical protein Cell surface protein |  |  |
| USD-54 | 0.709 | 0.278636 | -1.16084 | -5.3173 | 0.246316 | 58611318 | FK253796 | 2-oxoisovalerate dehydrogenase alphamitochondrial expressed |  |  |
| USD-728 | 0.725 | 0.285959 | -1.14198 | -5.3367 | 0.245088 | 58611498 | FK253976 | Luminal-binding protein 3 (BiP 3) |  |  |
| USD-421 | 0.726 | 0.289498 | -1.133 | -5.3459 | 0.243174 | 58611198 | FK253676 | succinate dehydrogenase flavoprotein subunit |  |  |
| USD-551 | 0.726 | 0.289845 | 1.13213 | -5.3468 | 0.242756 | 58611330 | FK253808 | phosphoribosylaminoimidazolecarboxamide formyltransferase imp cyclohydrolase |  |  |
| USD-662 | 0.726 | 0.290082 | -1.13153 | -5.3474 | 0.241676 | 58611436 | FK253914 | unknown |  |  |
| USD-616 | 0.726 | 0.290194 | -1.13125 | -5.3477 | 0.235245 | 58611388 | FK253866 | unknown |  |  |
| USD-106 | 0.726 | 0.291008 | -1.1292 | -5.3498 | 0.231286 | 58610879 | FK253357 | YebC-related |  |  |
| USD-179 | 0.727 | 0.293758 | 1.12231 | -5.3568 | 0.229845 | 58610953 | FK253431 | unknown |  |  |
| USD-139 | 0.727 | 0.294921 | 1.11942 | -5.3597 | 0.227288 | 58610911 | FK253389 | Ribosomal protein L34e |  |  |
| USD-210 | 0.727 | 0.296027 | 1.11667 | -5.3625 | 0.226646 | 58610981 | FK253459 | unknown |  |  |
| USD-345 | 0.727 | 0.296203 | 1.11624 | -5.3629 | 0.226267 | 58611123 | FK253601 | unknown |  |  |
| USD-576 | 0.727 | 0.29716 | -1.11387 | -5.3653 | 0.222031 | NA |  | unknown | -- unknown clone: USD-576 |  |
| USD-469 | 0.727 | 0.29778 | -1.11234 | -5.3668 | 0.219484 | 58611248 | FK253726 | Map kinase activating protein |  |  |
| USD-386 | 0.727 | 0.297894 | -1.11206 | -5.3671 | 0.214627 | 58611164 | FK253642 | unknown |  |  |
| USD-442 | 0.727 | 0.298903 | -1.10957 | -5.3696 | 0.213893 | 58611219 | FK253697 | unknown |  |  |
| USD-744 | 0.733 | 0.302758 | -1.10014 | -5.379 | 0.204651 | 58611514 | FK253992 | unknown |  |  |
| USD-293 | 0.733 | 0.303368 | 1.09865 | -5.3805 | 0.202973 | NA |  | unknown | -- unknown clone: USD-293 |  |
| USD-332 | 0.735 | 0.304925 | 1.09487 | -5.3843 | 0.198728 | NA |  | unknown | -- unknown clone: USD-332 |  |
| USD-128 | 0.735 | 0.307004 | -1.08985 | -5.3892 | 0.196954 | 58610900 | FK253378 | unknown |  |  |
| USD-589 | 0.735 | 0.307782 | -1.08798 | -5.3911 | 0.192569 | 58611361 | FK253839 | unknown |  |  |
| USD-731 | 0.735 | 0.308311 | 1.08671 | -5.3924 | 0.188277 | 58611502 | FK253980 | unknown |  |  |
| USD-143 | 0.735 | 0.308859 | 1.0854 | -5.3937 | 0.184228 | 58610917 | FK253395 | unknown |  |  |
| USD-451 | 0.736 | 0.310547 | -1.08136 | -5.3976 | 0.179242 | 58611228 | FK253706 | unknown |  |  |
| USD-567 | 0.738 | 0.312936 | -1.07567 | -5.4032 | 0.178228 | 58611343 | FK253821 | unknown |  |  |
| USD-733 | 0.738 | 0.313232 | 1.07497 | -5.4039 | 0.176473 | NA |  | unknown | -- unknown clone: USD-733 |  |
| S16 | 0.738 | 0.314226 | 1.07262 | -5.4062 | 0.170154 | NA | AF108725 | T. ruralis ribosomal protein S16 |  |  |
| USD-391 | 0.743 | 0.317296 | -1.06539 | -5.4133 | 0.166454 | 58611169 | FK253647 | unknown |  |  |
| USD-517 | 0.744 | 0.318749 | -1.06198 | -5.4166 | 0.164794 | 58611294 | FK253772 | unknown |  |  |
| USD-12 | 0.751 | 0.32241 | 1.05346 | -5.4248 | 0.161708 | 58610893 | FK253371 | unknown |  |  |
| USD-716 | 0.753 | 0.324518 | -1.04859 | -5.4295 | 0.160795 | 58611487 | FK253965 | ATP-grasp domsain protein |  |  |
| USD-584 | 0.758 | 0.32833 | -1.03984 | -5.4379 | 0.156133 | 58611359 | FK253837 | unknown |  |  |
| USD-735 | 0.758 | 0.328344 | -1.0398 | -5.438 | 0.152835 | 58611505 | FK253983 | glutamate decarboxylase |  |  |
| USD-18 | 0.764 | 0.332134 | -1.03118 | -5.4462 | 0.148714 | 58610954 | FK253432 | unknown |  |  |
| USD-329 | 0.765 | 0.333897 | -1.0272 | -5.45 | 0.144737 | 58611108 | FK253586 | putative serine decarboxylase |  |  |
| USD-285 | 0.765 | 0.336106 | 1.02223 | -5.4547 | 0.142388 | 58611065 | FK253543 | hypothetical protein: y5175\_arath protein at5g01750 |  |  |
| USD-44 | 0.765 | 0.336259 | 1.02189 | -5.455 | 0.141371 | 58611216 | FK253694 | unknown |  |  |
| USD-750 | 0.765 | 0.340281 | -1.0129 | -5.4635 | 0.139568 | 58611518 | FK253996 | unknown |  |  |
| USD-676 | 0.765 | 0.340613 | -1.01216 | -5.4641 | 0.136544 | 58611448 | FK253926 | unknown |  |  |
| USD-411 | 0.765 | 0.341467 | -1.01027 | -5.4659 | 0.135918 | 58611188 | FK253666 | gram domain-containing protein aba-responsive |  |  |
| USD-610 | 0.765 | 0.342527 | 1.00792 | -5.4681 | 0.135884 | 58611382 | FK253860 | unknown |  |  |
| USD-759 | 0.765 | 0.342724 | 1.00749 | -5.4685 | 0.130707 | 58611527 | FK254005 | unknown |  |  |
| USD-123 | 0.765 | 0.344038 | 1.00458 | -5.4712 | 0.130676 | 58610896 | FK253374 | small hydrophobic protein 1 |  |  |
| USD-142 | 0.765 | 0.344112 | -1.00442 | -5.4714 | 0.129416 | 58610916 | FK253394 | unknown |  |  |
| USD-175 | 0.765 | 0.344128 | -1.00439 | -5.4714 | 0.129173 | 58610951 | FK253429 | unknown |  |  |
| USD-753 | 0.765 | 0.344751 | 1.00301 | -5.4727 | 0.127936 | 58611521 | FK253999 | unknown |  |  |
| USD-593 | 0.766 | 0.346226 | -0.99977 | -5.4757 | 0.126703 | NA |  | unknown | -- unknown clone: USD-593 |  |
| USD-437 | 0.766 | 0.34707 | -0.99792 | -5.4774 | 0.124679 | 58611213 | FK253691 | unknown |  |  |
| S3 | 0.768 | 0.349079 | -0.99353 | -5.4815 | 0.118405 | NA | AF093109 | T. ruralis ribosomal protein S3 |  |  |
| USD-201 | 0.769 | 0.351073 | 0.98919 | -5.4855 | 0.117409 | 58610974 | FK253452 | unknown |  |  |
| USD-280 | 0.769 | 0.351297 | 0.98871 | -5.4859 | 0.109955 | 58611060 | FK253538 | unknown |  |  |
| USD-228 | 0.77 | 0.352752 | 0.98555 | -5.4888 | 0.109423 | 58611001 | FK253479 | 60S ribosomal protein L10A |  |  |
| USD-110 | 0.772 | 0.354766 | 0.98121 | -5.4928 | 0.108246 | 58610884 | FK253362 | polyamine oxidase |  |  |
| USD-405 | 0.774 | 0.356623 | -0.97722 | -5.4965 | 0.103036 | 58611182 | FK253660 | ABA-responsive protein, putative: fh protein interacting protein fip1 |  |  |
| USD-388 | 0.775 | 0.358427 | -0.97335 | -5.5 | 0.103013 | 58611166 | FK253644 | unknown |  |  |
| USD-532 | 0.775 | 0.359659 | -0.97072 | -5.5024 | 0.10277 | 58611310 | FK253788 | unknown |  |  |
| USD-656 | 0.775 | 0.360396 | -0.96915 | -5.5038 | 0.099626 | 58611430 | FK253908 | unknown |  |  |
| USD-7 | 0.777 | 0.362538 | 0.9646 | -5.5079 | 0.097053 | 58611470 | FK253948 | unknown |  |  |
| USD-720 | 0.777 | 0.365984 | -0.95733 | -5.5145 | 0.096333 | 58611492 | FK253970 | unknown |  |  |
| USD-742 | 0.777 | 0.366488 | -0.95626 | -5.5154 | 0.095843 | NA |  | unknown | -- unknown clone: USD-742 |  |
| USD-216 | 0.777 | 0.367015 | 0.95516 | -5.5164 | 0.091344 | 58610988 | FK253466 | glutamate decarboxylase |  |  |
| USD-466 | 0.777 | 0.367815 | -0.95348 | -5.5179 | 0.090852 | 58611245 | FK253723 | unknown |  |  |
| USD-571 | 0.777 | 0.36954 | 0.94987 | -5.5211 | 0.090138 | 58611348 | FK253826 | unknown |  |  |
| USD-482 | 0.777 | 0.37005 | -0.9488 | -5.5221 | 0.083478 | 58611260 | FK253738 | peroxisomal protein PEX19 family protein |  |  |
| USD-609 | 0.777 | 0.372158 | -0.94441 | -5.526 | 0.080165 | 58611380 | FK253858 | unknown |  |  |
| USD-2 | 0.777 | 0.372343 | 0.94403 | -5.5263 | 0.076135 | NA |  | unknown | -- unknown clone: USD-2 |  |
| USD-607 | 0.777 | 0.372678 | 0.94333 | -5.527 | 0.074553 | 58611378 | FK253856 | unknown |  |  |
| USD-498 | 0.777 | 0.373364 | -0.94191 | -5.5282 | 0.074173 | NA |  | unknown | -- unknown clone: USD-498 |  |
| USD-644 | 0.777 | 0.375164 | 0.93818 | -5.5315 | 0.067156 | 58611419 | FK253897 | unknown |  |  |
| USD-353 | 0.777 | 0.376206 | 0.93603 | -5.5334 | 0.060054 | 58611132 | FK253610 | 2-oxoglutarate dehydrogenase, E1 component |  |  |
| USD-414 | 0.777 | 0.376516 | -0.93539 | -5.534 | 0.058721 | 58611191 | FK253669 | heat shock protein 90 |  |  |
| USD-117 | 0.777 | 0.376716 | 0.93498 | -5.5343 | 0.056428 | 58610890 | FK253368 | hydrolase, alpha/beta fold family protein |  |  |
| USD-162 | 0.777 | 0.377902 | -0.93254 | -5.5365 | 0.054264 | 58610937 | FK253415 | hexose transporter |  |  |
| USD-384 | 0.777 | 0.37998 | 0.92828 | -5.5402 | 0.052654 | NA |  | unknown | -- unknown clone: USD-384 |  |
| USD-68 | 0.777 | 0.380021 | -0.9282 | -5.5403 | 0.050329 | 58611451 | FK253929 | unknown |  |  |
| USD-707 | 0.777 | 0.380181 | 0.92787 | -5.5406 | 0.048549 | 58611478 | FK253956 | unknown |  |  |
| USD-367 | 0.781 | 0.384168 | -0.91974 | -5.5477 | 0.046129 | 58611147 | FK253625 | hypothetical membrane protein (low complexity) |  |  |
| USD-485 | 0.781 | 0.384199 | -0.91968 | -5.5477 | 0.045229 | 58611263 | FK253741 | unknown |  |  |
| USD-114 | 0.784 | 0.387298 | 0.9134 | -5.5532 | 0.043551 | 58610888 | FK253366 | AWPM-19-like membrane family protein |  |  |
| USD-17 | 0.784 | 0.38772 | 0.91255 | -5.5539 | 0.041129 | NA |  | unknown | -- unknown clone: USD-17 |  |
| USD-133 | 0.786 | 0.389688 | -0.90859 | -5.5573 | 0.039754 | 58610905 | FK253383 | mob1/phocein family protein |  |  |
|  |  |  |  |  |  |  |  |  |  |  |