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| **Supplemental Table S5.** |
|  **Duplicate genes** |
| **Identifier New genes Affy probe ID Lists gene appears in** |
| CG15675 | CG42365 | 153101\_at | age up, H2O2 up, IR up, O2 up |
|  | CG42362 |  |  |
|  | CG42363 |  |  |
|  | CG42364 |  |  |
| Resolution: BLAST results using affy probe data: probe hits CG42365 |
| CG13335 | CG42807 | 152245\_at | age up, IR up, O2 up |
|  | CG42808 |  |  |
| Resolution: BLAST results using affy probe data: probe hits CG42807 |
| CG8772 | CG42708 | 152880\_at | H2O2 up, O2 up |
|  | CG8776 (nemy) |  |  |
| Resolution: BLAST results using affy probe data: probe hits CG42708 |
| CG33936 | CG43675 | 149551 | H2O2 up, IR up, age down |
|  | CG43674 |  |  |
| Resolution: BLAST results using affy probe data: probe hits CG43675 |
| CG12816 | CG34107 | 149622\_at | HS up, age down |
|  | CG42795 |  |  |
| Resolution: BLAST results using affy probe data: probe hits CG34107 |
| CG13353 | CG42288 | 147185\_at | HS up, age down |
|  | CG42287 |  |  |
| Resolution: BLAST results using affy probe data: probe hits CG42288 |
| CG6784 | CG42827 | 150441\_at | O2 up, age down |
|  | CG42828 |  |  |
| Resolution: BLAST results using affy probe data: probe hits CG42827 |
| CG17054 | CG34438 (Cap-G) | 147139\_at | age down, IR down |
|  | CG34439 |  |  |
| Resolution: BLAST results using affy probe data: probe hits CG34438 (Cap-G) |
| CG17763 | CG34434 | 147768\_at | age down, IR down |
|  | CG34435 |  |  |
| Resolution: BLAST results using affy probe data: probe hits CG34434 |
| CG11079 | CG34424 | 147768\_at | H2O2 down, IR down, HS down |
|  | CG34423 |  |  |
| Resolution: BLAST results using affy probe data: probe hits CG34424 |
| CG9511 | CG42369 | 145897\_at | H2O2 down, IR down, HS down |
|  | CG42368 |  |  |
| Resolution: BLAST results using affy probe data: probe hits CG42369 |
| CG30492 | CG43340 | 145897\_at | H2O2 down, O2 down |
|  | CG43341 |  |  |
| Resolution: BLAST results using affy probe data: probe hits CG43440 |
| CG32158 | CG43373 | 141806\_at | age up, HS down |
|  | CG42514 |  |  |
| Unresolved-affy probe ambiguously mapped to two Entrez Gene identifiers |
| CG9216 | CG42353 | 151936\_at | age up |
|  | CG42354 |  |  |
| Unresolved-affy probe ambiguously mapped to two Entrez Gene identifiers |
| CG12240 | CG42567 (DnaJ-60) | 142946\_at | H2O2 up, age down |
|  | CG42568 |  |  |
| Unresolved-affy probe ambiguously mapped to two Entrez Gene identifiers |
| CG31722 | CG17140 | 146199\_at | H2O2 up |
|  | CG17139 |  |  |
| Unresolved-affy probe ambiguously mapped to two Entrez Gene identifiers |
| CG13981 | CG42368 | 145895\_at | H2O2 up |
|  | CG42370 |  |  |
|  | CG42369 |  |  |
| Unresolved-affy probe ambiguously mapped to three Entrez Gene identifiers |
| CG5134 | CG42518 | 153608\_at | H2O2 up |
|  | CG42517 (MED9) |  |  |
| Unresolved-affy probe ambiguously mapped to two Entrez Gene identifiers |
| CG12455 | CG42818 | 144270\_at | H2O2 up |
|  | CG42817 |  |  |
| Resolution: BLAST results using affy probe data: probe hits CG42818 |
| CG7319 | CG42631 (mtTFB1) | 154901\_at | IR up |
|  | CG42630 |  |  |
| Unresolved-affy probe ambiguously mapped to two Entrez Gene identifiers |
| CG31169 | CG43343 | 153590\_at | HS up |
|  | CG43342 |  |  |
| Resolution: BLAST results using affy probe data: probe hits CG43343 |
| CG33936 | CG43674 | 149551\_at | HS up |
|  | CG43675 |  |  |
| Unresolved-affy probe ambiguously mapped to two Entrez Gene identifiers |
| CG12677 | CG34177 | 151183\_at | HS up |
|  | CG34178 |  |  |
| Unresolved-affy probe ambiguously mapped to two Entrez Gene identifiers |
| CG13037 | CG42648 (mRpS34) | 148886\_at |  |
|  | CG33257 |  |  |
| Resolution: BLAST results using affy probe data: probe hits CG42648 (mRpS34) |
| CG8742 | CG42636 (Gyc76C) | 143732\_at | HS up |
|  | CG42637 |  |  |
| Unresolved-affy probe ambiguously mapped to two Entrez Gene identifiers |
| CG6069 | CG34130 | 150653\_at | HS up |
|  | CG34129 |  |  |
| Resolution: BLAST results using affy probe data: probe hits CG34130 |
| CG6640 | CG42825 | 152757\_at | HS up |
|  | CG42826 |  |  |
| Resolution: BLAST results using affy probe data: probe hits CG42825 |
|  |
|  **Unresolved identifiers** |
| Unresolved identifiers : H2O2 up |
| CG13235 |
| CG2042 |
| CG12587 |
| CG15292 |
| CG11260 |
| CG17967 |
| CG14809 |
| CG14368 |
| CG32636 |
| CG14773 |
| CG9094 |
| CG15494 |
| CG12378 |
| CG13291 |
| CG14494 |
| Unresolved identifiers : IR up |
| CG15911 |
| Unresolved identifiers : O2 up |
| CG15057 |
| Unresolved identifiers : H2O2 up, HS up |
| CG12454 |
| Unresolved identifiers : H2O2 down |
| CG17745 |
| CG12667 |
| Unresolved identifiers : H2O2 down, IR down |
| CG12650 |
| Unresolved identifiers : H2O2 down, IR down |
| CG13828 |
| Unresolved identifiers : age down, H2O2 down, O2 down |
| CG12656 |
| Unresolved identifiers : H2O2 up, sugar up, H2O2 down, IR down, HS do |
| CG13542 |
| Unresolved identifiers : sugar down |
| CG14460 |
| Unresolved identifiers : age down, H2O2 down, IR down, O2 down, sugar down |
| CG33173 |
| Unresolved identifiers : sugar up, IR down, HS down |
| CG16937 |
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