

Supplemental Table S6. Sugar up-regulated genes

| Gene > Secondary Identifier | Gene > Symbol | Gene > Name | Gene > DB identifier |
|-----------------------------|---------------|---|----------------------|
| CG10033 | for | foraging | FBgn0000721 |
| CG1007 | emc | extra | FBgn0000575 |
| CG10128 | tra2 | macrochaetae transformer 2 | FBgn0003742 |
| CG10207 | NaPi-T | Na[+]-dependent inorganic phosphate cotransporter | FBgn0016684 |
| CG10241 | Cyp6a17 | Cyp6a17 | FBgn0015714 |
| CG10289 | CG10289 | | FBgn0035688 |
| CG10433 | CG10433 | | FBgn0034638 |
| CG1059 | Karybeta3 | Karyopherin beta 3 | FBgn0087013 |
| CG10645 | lama | lamina ancestor | FBgn0016031 |
| CG10701 | Moe | Moesin | FBgn0011661 |
| CG10706 | SK | small conductance calcium-activated potassium channel | FBgn0029761 |
| CG10810 | Drs | Drosomycin | FBgn0010381 |
| CG10812 | dro5 | drosomycin-5 | FBgn0035434 |
| CG10824 | CG10824 | | FBgn0038865 |
| CG10833 | Cyp28d1 | Cyp28d1 | FBgn0031689 |
| CG1088 | Vha26 | Vacuolar H[+]-ATPase 26kD E subunit | FBgn0015324 |
| CG10912 | CG10912 | | FBgn0034296 |
| CG11154 | ATPsyn-beta | ATP synthase-beta | FBgn0010217 |
| CG11165 | CG11165 | | FBgn0033238 |
| CG11198 | ACC | Acetyl-CoA carboxylase | FBgn0033246 |
| CG11259 | MICAL-like | MICAL-like | FBgn0036333 |
| CG11279 | CG11279 | | FBgn0036342 |
| CG11301 | Mes4 | Mes4 | FBgn0034726 |
| CG11400 | CG11400 | | FBgn0034198 |
| CG11407 | CG11407 | | FBgn0038733 |
| CG11589 | VhaM9.7-c | Vacuolar H[+] ATPase subunit M9.7-c | FBgn0028664 |
| CG11661 | Nc73EF | Neural conserved at 73EF | FBgn0010352 |
| CG11711 | Mob2 | Mob2 | FBgn0259481 |
| CG11791 | CG11791 | | FBgn0039266 |
| CG11796 | CG11796 | | FBgn0036992 |
| CG11842 | CG11842 | | FBgn0039629 |

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|---------|-----------|--|-------------|
| CG11893 | CG11893 | | FBgn0039316 |
| CG12008 | kst | karst | FBgn0004167 |
| CG1210 | Pdk1 | Phosphoinositide -dependent kinase 1 | FBgn0020386 |
| CG12116 | CG12116 | | FBgn0030041 |
| CG12163 | CG12163 | | FBgn0260462 |
| CG12288 | CG12288 | | FBgn0032620 |
| CG12338 | CG12338 | | FBgn0033543 |
| CG12737 | Crag | Calmodulin- binding protein related to a Rab3 GDP/GTP exchange protein | FBgn0025864 |
| CG12775 | RpL21 | Ribosomal protein L21 | FBgn0032987 |
| CG12780 | CG12780 | | FBgn0033301 |
| CG12868 | CG12868 | | FBgn0033945 |
| CG12895 | CG12895 | | FBgn0033523 |
| CG13215 | CG13215 | | FBgn0033592 |
| CG13272 | CG13272 | | FBgn0086673 |
| CG13315 | CG13315 | | FBgn0040827 |
| CG13849 | Nop56 | Nop56 | FBgn0038964 |
| CG13868 | CG13868 | | FBgn0034501 |
| CG14029 | vri | vriille | FBgn0016076 |
| CG1412 | RhoGAP19D | RhoGAP19D | FBgn0031118 |
| CG14125 | CG14125 | | FBgn0036232 |
| CG14176 | Or67b | Odorant receptor 67b | FBgn0036019 |
| CG14400 | CG14400 | | FBgn0032896 |
| CG14535 | CG14535 | | FBgn0031955 |
| CG14648 | lost | lost | FBgn0263594 |
| CG14687 | CG14687 | | FBgn0037835 |
| CG14782 | CG14782 | | FBgn0025381 |
| CG14933 | CG14933 | | FBgn0040968 |
| CG14935 | Mal-B2 | Maltase B2 | FBgn0032382 |
| CG14949 | CG14949 | | FBgn0035358 |
| CG15019 | CG15019 | | FBgn0035541 |
| CG15040 | CG15040 | | FBgn0030940 |
| CG15067 | CG15067 | | FBgn0034331 |
| CG15432 | CG15432 | | FBgn0031603 |
| CG15745 | CG15745 | | FBgn0030469 |
| CG15870 | CG15870 | | FBgn0033798 |
| CG1600 | CG1600 | | FBgn0033188 |
| CG1607 | CG1607 | | FBgn0039844 |
| CG16707 | vsg | visgun | FBgn0045823 |
| CG16836 | CG16836 | | FBgn0040735 |
| CG16844 | IM3 | Immune induced molecule 3 | FBgn0040736 |

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|---------|---------|---------------------------------------|-------------|
| CG16986 | CG16986 | | FBgn0035356 |
| CG17210 | scpr-B | SCP-containing protein B | FBgn0037888 |
| CG17369 | Vha55 | Vacuolar H[+]-ATPase 55kD B subunit | FBgn0005671 |
| CG17599 | CG17599 | | FBgn0031196 |
| CG1793 | MED26 | Mediator complex subunit 26 | FBgn0039923 |
| CG18106 | IM2 | Immune induced molecule 2 | FBgn0025583 |
| CG18107 | CG18107 | | FBgn0034330 |
| CG18108 | IM1 | Immune induced molecule 1 | FBgn0034329 |
| CG18135 | CG18135 | | FBgn0036837 |
| CG18193 | CG18193 | | FBgn0037579 |
| CG1821 | RpL31 | Ribosomal protein L31 | FBgn0025286 |
| CG18321 | miple2 | miple2 | FBgn0029002 |
| CG18609 | CG18609 | | FBgn0034382 |
| CG18619 | CG18619 | | FBgn0032202 |
| CG1984 | djl | don juan like | FBgn0037463 |
| CG2050 | mod | modulo | FBgn0002780 |
| CG2173 | Rs1 | Rs1 | FBgn0021995 |
| CG2196 | salt | salty dog | FBgn0039872 |
| CG2216 | Fer1HCH | Ferritin 1 heavy chain homologue | FBgn0015222 |
| CG2248 | Rac1 | Rac1 | FBgn0010333 |
| CG2249 | CG2249 | | FBgn0040773 |
| CG2257 | Ubc-E2H | Ubc-E2H | FBgn0029996 |
| CG2471 | Sc1p | Sc1p | FBgn0030357 |
| CG2671 | l(2)g1 | lethal (2) giant larvae | FBgn0002121 |
| CG2699 | Pi3K21B | Pi3K21B | FBgn0020622 |
| CG2790 | CG2790 | | FBgn0027599 |
| CG2947 | HIP-R | Hsc/Hsp70-interacting protein related | FBgn0029676 |
| CG2998 | RpS28b | Ribosomal protein S28b | FBgn0030136 |
| CG30015 | CG30015 | | FBgn0050015 |
| CG30456 | CG30456 | | FBgn0050456 |
| CG31098 | CG31098 | | FBgn0051098 |
| CG31151 | wge | winged eye | FBgn0051151 |
| CG31212 | Ino80 | Ino80 | FBgn0086613 |
| CG3164 | CG3164 | | FBgn0025683 |
| CG3174 | Fmo-2 | Flavin-containing monooxygenase 2 | FBgn0033079 |
| CG31778 | CG31778 | | FBgn0051778 |
| CG3186 | eIF-5A | eIF-5A | FBgn0034967 |
| CG3201 | Mlc-c | Myosin light chain cytoplasmic | FBgn0004687 |
| CG32043 | CG32043 | | FBgn0052043 |

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|---------|----------------|---|-------------|
| CG3226 | CG3226 | | FBgn0029882 |
| CG32428 | CG32428 | | FBgn0052428 |
| CG32464 | 1(3)82Fd | 1(3)82Fd | FBgn0013576 |
| CG32479 | CG32479 | | FBgn0052479 |
| CG32549 | CG32549 | | FBgn0052549 |
| CG32593 | Flo-2 | flotillin 2 | FBgn0024753 |
| CG32649 | CG32649 | | FBgn0052649 |
| CG32656 | Muc11A | Mucin 11A | FBgn0052656 |
| CG32758 | CG32758 | | FBgn0052758 |
| CG32789 | HIP | Hsc/Hsp70- interacting protein | FBgn0260484 |
| CG32813 | CG32813 | | FBgn0052813 |
| CG3320 | Rab1 | Rab-protein 1 | FBgn0016700 |
| CG33255 | CG33255 | | FBgn0053255 |
| CG33278 | CG33278 | | FBgn0053278 |
| CG3350 | bigmax | bigmax | FBgn0039509 |
| CG3354 | Mst77F | Male-specific transcript 77F | FBgn0086915 |
| CG3376 | CG3376 | | FBgn0034997 |
| CG3400 | Pfrx | 6-phosphofructo- 2-kinase | FBgn0027621 |
| CG3413 | wdp | windpipe | FBgn0034718 |
| CG3497 | Su(H) | Suppressor of Hairless | FBgn0004837 |
| CG3644 | bic | bicaudal | FBgn0000181 |
| CG3662 | CG3662 | | FBgn0031285 |
| CG3712 | mRpL33 | mitochondrial ribosomal protein L33 | FBgn0040907 |
| CG3823 | CG3823 | | FBgn0029863 |
| CG3920 | 1(2)k1691 8 | lethal (2) k16918 | FBgn0021800 |
| CG3983 | ns1 | nucleostemin 1 | FBgn0038473 |
| CG3997 | RpL39 | Ribosomal protein L39 | FBgn0023170 |
| CG4067 | pug | pugilist | FBgn0020385 |
| CG4111 | RpL35 | Ribosomal protein L35 | FBgn0029785 |
| CG42321 | CG42321 | | FBgn0259221 |
| CG4233 | Got2 | Glutamate oxaloacetate transaminase 2 | FBgn0001125 |
| CG42331 | CG42331 | | FBgn0259233 |
| CG42390 | CG42390 | | FBgn0259736 |
| CG42543 | mp | multiplexin | FBgn0260660 |
| CG42563 | inaF-D | inaF-D | FBgn0260812 |
| CG4264 | Hsc70-4 | Heat shock protein cognate 4 | FBgn0001219 |
| CG4312 | MtnB | Metallothionein B | FBgn0002869 |
| CG43427 | CG43427 | | FBgn0263346 |
| CG4364 | CG4364 | | FBgn0032138 |

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|--------|---------|---|-------------|
| CG4399 | east | enhanced adult sensory threshold | FBgn0261954 |
| CG4427 | cbt | cabut | FBgn0043364 |
| CG4491 | noc | no ocelli | FBgn0005771 |
| CG4501 | bgm | bubblegum | FBgn0027348 |
| CG4580 | CG4580 | | FBgn0032585 |
| CG4710 | Pino | Pinocchio | FBgn0016926 |
| CG4716 | CG4716 | | FBgn0033820 |
| CG4783 | CG4783 | | FBgn0038756 |
| CG4994 | Mpcp | Mitochondrial phosphate carrier protein | FBgn0026409 |
| CG5193 | TfIIB | Transcription factor IIB | FBgn0004915 |
| CG5203 | CHIP | CHIP | FBgn0027052 |
| CG5271 | RpS27A | Ribosomal protein S27A | FBgn0003942 |
| CG5277 | Ip259 | Intronic Protein 259 | FBgn0025366 |
| CG5295 | bmm | brummer | FBgn0036449 |
| CG5330 | Nap1 | Nucleosome assembly protein 1 | FBgn0015268 |
| CG5373 | Pi3K59F | Phosphatidylinositol 3 kinase 59F | FBgn0015277 |
| CG5395 | nmd | no mitochondrial derivative | FBgn0005322 |
| CG5411 | Pde8 | Phosphodiesterase 8 | FBgn0034886 |
| CG5508 | CG5508 | | FBgn0027579 |
| CG5527 | CG5527 | | FBgn0039564 |
| CG5535 | CG5535 | | FBgn0036764 |
| CG5547 | Pect | Phosphoethanolamine cytidyltransferase | FBgn0032482 |
| CG5560 | dob | doppelganger von brummer | FBgn0030607 |
| CG5654 | yps | epsilon schachtel | FBgn0022959 |
| CG5794 | CG5794 | | FBgn0039214 |
| CG5820 | Gp150 | Gp150 | FBgn0013272 |
| CG5874 | Nelf-A | Negative elongation factor A | FBgn0038872 |
| CG5887 | desat1 | desat1 | FBgn0086687 |
| CG5915 | Rab7 | Rab-protein 7 | FBgn0015795 |
| CG6004 | Muc68D | Mucin 68D | FBgn0036203 |
| CG6115 | CG6115 | | FBgn0040985 |
| CG6169 | Dcp2 | Decapping protein 2 | FBgn0036534 |
| CG6213 | Vha13 | Vacuolar H[+] ATPase G-subunit | FBgn0026753 |
| CG6311 | Edc3 | Enhancer of decapping 3 | FBgn0036735 |
| CG6357 | CG6357 | | FBgn0033875 |
| CG6438 | amon | amontillado | FBgn0023179 |

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|--------|------------|---|-------------|
| CG6455 | CG6455 | | FBgn0019960 |
| CG6500 | Bx | Beadex | FBgn0000242 |
| CG6501 | ns2 | nucleostemin 2 | FBgn0034243 |
| CG6597 | CG6597 | | FBgn0036967 |
| CG6721 | Gap1 | GTPase-activating protein 1 | FBgn0004390 |
| CG6764 | RpL24-like | Ribosomal protein L24-like | FBgn0037899 |
| CG6843 | CG6843 | | FBgn0036827 |
| CG6904 | CG6904 | | FBgn0038293 |
| CG6910 | CG6910 | | FBgn0036262 |
| CG6957 | Oscillin | Oscillin | FBgn0031717 |
| CG6980 | CG6980 | | FBgn0039228 |
| CG6998 | ctp | cut up | FBgn0011760 |
| CG7007 | VhaPPA1-1 | Vacuolar H[+] ATPase subunit PPA1-1 | FBgn0028662 |
| CG7069 | CG7069 | | FBgn0038952 |
| CG7106 | lectin-28C | lectin-28C | FBgn0040099 |
| CG7224 | CG7224 | | FBgn0031971 |
| CG7338 | CG7338 | | FBgn0037073 |
| CG7380 | baf | barrier to autointegration factor | FBgn0031977 |
| CG7398 | Trn | Transportin | FBgn0024921 |
| CG7425 | eff | effete | FBgn0011217 |
| CG7452 | Syx17 | Syntaxin 17 | FBgn0035540 |
| CG7535 | GluClalpha | GluClalpha | FBgn0024963 |
| CG7574 | bipl | bipl | FBgn0026263 |
| CG7586 | Mcr | Macroglobulin complement-related cropped | FBgn0020240 |
| CG7664 | crp | | FBgn0001994 |
| CG7695 | CG7695 | | FBgn0038631 |
| CG7763 | CG7763 | | FBgn0040503 |
| CG7808 | RpS8 | Ribosomal protein S8 | FBgn0039713 |
| CG7917 | Nlp | Nucleoplasmin | FBgn0016685 |
| CG7962 | CdsA | CDP diglyceride synthetase | FBgn0010350 |
| CG8029 | VhaAC45 | Vacuolar H[+] ATPase accessory protein AC45 | FBgn0262515 |
| CG8053 | eIF-1A | Eukaryotic initiation factor 1A | FBgn0026250 |
| CG8094 | Hex-C | Hexokinase C | FBgn0001187 |
| CG8147 | CG8147 | | FBgn0043791 |
| CG8153 | mus210 | mutagen-sensitive 210 | FBgn0004698 |
| CG8156 | Arf51F | ADP ribosylation factor 51F | FBgn0013750 |
| CG8174 | SRPK | SRPK | FBgn0026370 |

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|--------|-----------------|--|-------------|
| CG8229 | CG8229 | | FBgn0033356 |
| CG8280 | Ef1alpha4 8D | Elongation factor 1alpha48D | FBgn0000556 |
| CG8344 | RpIII128 | RNA polymerase III 128kD subunit | FBgn0004463 |
| CG8345 | Cyp6w1 | Cyp6w1 | FBgn0033065 |
| CG8353 | CG8353 | | FBgn0032002 |
| CG8358 | CG8358 | | FBgn0037727 |
| CG8385 | Arf79F | ADP ribosylation factor 79F | FBgn0010348 |
| CG8404 | Sox15 | Sox box protein 15 | FBgn0005613 |
| CG8416 | Rho1 | Rho1 | FBgn0014020 |
| CG8430 | Got1 | Glutamate oxaloacetate transaminase 1 | FBgn0001124 |
| CG8444 | VhaM8.9 | | FBgn0037671 |
| CG8448 | mrj | mrj | FBgn0034091 |
| CG8468 | CG8468 | | FBgn0033913 |
| CG8542 | Hsc70-5 | Heat shock protein cognate 5 | FBgn0001220 |
| CG8588 | pst | pastrel | FBgn0035770 |
| CG8651 | trx | trithorax | FBgn0003862 |
| CG8677 | CG8677 | | FBgn0026577 |
| CG8759 | Nacalpa | Nascent polypeptide associated complex protein alpha subunit | FBgn0086904 |
| CG8764 | ox | oxen | FBgn0011227 |
| CG8801 | CG8801 | | FBgn0028473 |
| CG8874 | Fps85D | Fps oncogene analog | FBgn0000723 |
| CG8965 | CG8965 | | FBgn0031745 |
| CG9091 | RpL37a | Ribosomal protein L37a | FBgn0030616 |
| CG9171 | CG9171 | | FBgn0031738 |
| CG9214 | Tob | Tob | FBgn0028397 |
| CG9261 | nrv2 | nervana 2 | FBgn0015777 |
| CG9277 | betaTub56 D | beta-Tubulin at 56D | FBgn0003887 |
| CG9324 | Pomp | Pomp | FBgn0032884 |
| CG9434 | Fst | Frost | FBgn0037724 |
| CG9472 | brv1 | brivido-1 | FBgn0036874 |
| CG9621 | Adgf-D | Adenosine deaminase- related growth factor D | FBgn0038172 |
| CG9648 | Max | Max | FBgn0017578 |
| CG9655 | nes | nessy | FBgn0026630 |
| CG9696 | dom | domino | FBgn0020306 |
| CG9837 | CG9837 | | FBgn0037635 |
| CG9894 | CG9894 | | FBgn0031453 |

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| CG9928 | CG9928 | FBgn0032472 |
| CR4575 | CR4575 | |
| CG42747 | CG42747 | |

Sugar down-regulated genes

| Gene > Secondary Identifier | Gene > Symbol | Gene > Name | Gene > DB identifier |
|-----------------------------------|------------------|---|----------------------|
| CG10037 | vv1 | ventral veins lacking | FBgn0086680 |
| CG10096 | CG10096 | | FBgn0038032 |
| CG10097 | CG10097 | | FBgn0038033 |
| CG10120 | Men | Malic enzyme | FBgn0002719 |
| CG10125 | zpg | zero population growth | FBgn0024177 |
| CG10160 | ImpL3 | Ecdysone- inducible gene L3 | FBgn0001258 |
| CG1019 | Mlp84B | Muscle LIM protein at 84B | FBgn0014863 |
| CG10221 | Hrd3 | | FBgn0028475 |
| CG10237 | CG10237 | | FBgn0032783 |
| CG10374 | Lsd-1 | Lipid storage droplet-1 | FBgn0039114 |
| CG10472 | CG10472 | | FBgn0035670 |
| CG10475 | Jonah65Ai | Jonah 65Ai | FBgn0035667 |
| CG10513 | CG10513 | | FBgn0039311 |
| CG10514 | CG10514 | | FBgn0039312 |
| CG10516 | CG10516 | | FBgn0036549 |
| CG10578 | DnaJ-1 | DnaJ-like-1 | FBgn0263106 |
| CG10657 | CG10657 | | FBgn0036289 |
| CG10706 | SK | small conductance calcium- activated potassium channel | FBgn0029761 |
| CG10747 | CG10747 | | FBgn0032845 |
| CG10840 | eIF5B | eIF5B | FBgn0026259 |
| CG10852 | Acp63F | Accessory gland peptide 63F | FBgn0015585 |
| CG10866 | CG10866 | | FBgn0035475 |
| CG10960 | CG10960 | | FBgn0036316 |
| CG11037 | CG11037 | | FBgn0037038 |
| CG11051 | Nplp2 | Neuropeptide- like precursor 2 | FBgn0040813 |
| CG11064 | Rfabg | Retinoid- and fatty acid- binding glycoprotein | FBgn0087002 |
| CG11143 | Inos | Inos | FBgn0025885 |
| CG11166 | Eaf | ELL-associated factor | FBgn0033166 |
| CG11200 | CG11200 | Carbonyl reductase | FBgn0034500 |

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|---------|----------|---------------------------------------|-------------|
| CG11379 | CG11379 | | FBgn0040362 |
| CG11505 | CG11505 | | FBgn0035424 |
| CG1152 | Gld | Glucose dehydrogenase | FBgn0001112 |
| CG11598 | CG11598 | | FBgn0038067 |
| CG11601 | CG11601 | | FBgn0031244 |
| CG11624 | Ubi-p63E | Ubiquitin-63E | FBgn0003943 |
| CG11635 | CG11635 | | FBgn0033283 |
| CG1165 | LysS | Lysozyme S | FBgn0004430 |
| CG11719 | Mst98Ca | Male-specific RNA 98Ca | FBgn0002865 |
| CG1179 | LysB | Lysozyme B | FBgn0004425 |
| CG1180 | LysE | Lysozyme E | FBgn0004428 |
| CG11892 | CG11892 | | FBgn0039313 |
| CG11911 | CG11911 | | FBgn0031249 |
| CG11942 | skpE | skpE | FBgn0031074 |
| CG12057 | CG12057 | | FBgn0030098 |
| CG12120 | t | tan | FBgn0086367 |
| CG12262 | CG12262 | | FBgn0035811 |
| CG12287 | pdm2 | POU domain protein 2 | FBgn0004394 |
| CG1231 | CG1231 | | FBgn0035134 |
| CG12351 | deltaTry | deltaTrypsin | FBgn0010358 |
| CG12374 | CG12374 | | FBgn0033774 |
| CG12385 | thetaTry | thetaTrypsin | FBgn0011555 |
| CG1242 | Hsp83 | Heat shock protein 83 | FBgn0001233 |
| CG12498 | CG12498 | | FBgn0040356 |
| CG12534 | Alr | Augmenter of liver regeneration | FBgn0031068 |
| CG1262 | Acp62F | Accessory gland peptide 62F | FBgn0020509 |
| CG12679 | CG12679 | | FBgn0031103 |
| CG12703 | CG12703 | | FBgn0031069 |
| CG12730 | CG12730 | | FBgn0029771 |
| CG12813 | Npc2d | Niemann-Pick type C-2d | FBgn0037782 |
| CG1287 | CG1287 | | FBgn0037506 |
| CG1288 | CG1288 | | FBgn0250845 |
| CG12902 | CG12902 | | FBgn0033512 |
| CG12990 | CG12990 | | FBgn0030859 |
| CG13061 | Nplp3 | Neuropeptide- like precursor 3 | FBgn0042201 |
| CG13095 | Bace | beta-site APP- cleaving enzyme | FBgn0032049 |
| CG1316 | CG1316 | | FBgn0035526 |
| CG1327 | Ccp84Ac | Ccp84Ac | FBgn0004781 |
| CG1330 | Ccp84Ae | Ccp84Ae | FBgn0004779 |
| CG1331 | Ccp84Af | Ccp84Af | FBgn0004778 |
| CG13310 | CG13310 | | FBgn0035928 |

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|---------|-----------|--|-------------|
| CG13801 | CG13801 | | FBgn0035332 |
| CG13873 | Obp56g | Odorant-binding protein 56g | FBgn0034474 |
| CG13907 | CG13907 | | FBgn0035173 |
| CG1394 | CG1394 | | FBgn0030277 |
| CG13977 | Cyp6a18 | Cyp6a18 | FBgn0039519 |
| CG13989 | CG13989 | | FBgn0031786 |
| CG14011 | CG14011 | | FBgn0031722 |
| CG14028 | cype | cyclope | FBgn0015031 |
| CG14034 | CG14034 | | FBgn0250847 |
| CG14080 | Mkp3 | Mitogen-activated protein kinase phosphatase 3 | FBgn0036844 |
| CG14191 | CG14191 | | FBgn0030981 |
| CG14220 | CG14220 | | FBgn0031036 |
| CG14224 | Ubqn | Ubiquilin | FBgn0031057 |
| CG14245 | CG14245 | | FBgn0039452 |
| CG14246 | CG14246 | | FBgn0040608 |
| CG14302 | CG14302 | | FBgn0038647 |
| CG14375 | CCHa2 | CCHamide-2 | FBgn0038147 |
| CG14471 | CG14471 | | FBgn0033049 |
| CG14513 | yemalpha | yemanuclein alpha | FBgn0005596 |
| CG14515 | CG14515 | | FBgn0039648 |
| CG14560 | msopa | male-specific opa containing gene | FBgn0004414 |
| CG14688 | CG14688 | | FBgn0037819 |
| CG14745 | PGRP-SC2 | PGRP-SC2 | FBgn0043575 |
| CG14746 | PGRP-SC1a | PGRP-SC1a | FBgn0043576 |
| CG14770 | CG14770 | | FBgn0029573 |
| CG14879 | CG14879 | | FBgn0038419 |
| CG14938 | cro1 | crooked legs | FBgn0020309 |
| CG14995 | CG14995 | | FBgn0035497 |
| CG15008 | Cpr64Ac | Cuticular protein 64Ac | FBgn0035512 |
| CG15147 | CG15147 | | FBgn0032654 |
| CG15155 | CG15155 | | FBgn0032669 |
| CG15199 | CG15199 | | FBgn0030270 |
| CG15239 | CG15239 | | FBgn0029681 |
| CG15278 | CG15278 | | FBgn0032554 |
| CG15353 | CG15353 | | FBgn0040718 |
| CG15358 | CG15358 | | FBgn0031373 |
| CG15572 | CG15572 | | FBgn0029702 |
| CG15616 | Acp53C14b | Acp53C14b | FBgn0034153 |
| CG15635 | CG15635 | | FBgn0031617 |
| CG15704 | CG15704 | | FBgn0034103 |
| CG15708 | CG15708 | | FBgn0034099 |

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|---------|----------------|--|-------------|
| CG15862 | Pka-R2 | cAMP-dependent protein kinase R2 | FBgn0022382 |
| CG1633 | Jafrac1 | thioredoxin peroxidase 1 | FBgn0040309 |
| CG1657 | CG1657 | | FBgn0030286 |
| CG16711 | CG16711 | | FBgn0036032 |
| CG16738 | slp1 | sloppy paired 1 | FBgn0003430 |
| CG16749 | CG16749 | | FBgn0037678 |
| CG16772 | CG16772 | | FBgn0032835 |
| CG1678 | CG1678 | | FBgn0031176 |
| CG1683 | Ant2 | Adenine nucleotide translocase 2 | FBgn0025111 |
| CG16926 | CG16926 | | FBgn0040732 |
| CG17097 | CG17097 | | FBgn0032275 |
| CG17192 | CG17192 | | FBgn0039472 |
| CG17248 | n-syb | n-synaptobrevin | FBgn0013342 |
| CG17320 | ScpX | Sterol carrier protein X- related thiolase | FBgn0015808 |
| CG17323 | CG17323 | | FBgn0032713 |
| CG17325 | CG17325 | | FBgn0040993 |
| CG1742 | Mgst1 | Microsomal glutathione S- transferase-like | FBgn0025814 |
| CG17472 | CG17472 | | FBgn0032868 |
| CG1751 | Spase25 | Spase 25-subunit | FBgn0030306 |
| CG17525 | GstE4 | Glutathione S transferase E4 | FBgn0063496 |
| CG17571 | CG17571 | | FBgn0259998 |
| CG17597 | CG17597 | | FBgn0032715 |
| CG17633 | CG17633 | | FBgn0032144 |
| CG17637 | CG17637 | | FBgn0037004 |
| CG17666 | CG17666 | | FBgn0036311 |
| CG17673 | Acp70A | Accessory gland peptide 70A | FBgn0003034 |
| CG17725 | Pepck | Phosphoenolpyruv ate carboxykinase | FBgn0003067 |
| CG17751 | CG17751 | | FBgn0038717 |
| CG17752 | CG17752 | | FBgn0038718 |
| CG1787 | Hexo2 | Hexosaminidase 2 | FBgn0041629 |
| CG17924 | Acp95EF | Accessory gland- specific peptide 95EF | FBgn0002863 |
| CG1803 | regucalc in | regucalcin | FBgn0030362 |
| CG18030 | Jon99Fi | Jonah 99Fi | FBgn0039778 |
| CG18064 | Met75Cb | Met75Cb | FBgn0028415 |
| CG18170 | CG18170 | | FBgn0035239 |
| CG18180 | CG18180 | | FBgn0036024 |
| CG18211 | betaTry | betaTrypsin | FBgn0010357 |
| CG18258 | CG18258 | | FBgn0030827 |

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| CG18284 | CG18284 | | FBgn0043825 |
| CG18301 | CG18301 | | FBgn0032265 |
| CG18444 | alphaTry | alphaTrypsin | FBgn0003863 |
| CG18594 | Pebp1 | Phosphatidylethanolamine-binding protein 1 | FBgn0038973 |
| CG18681 | epsilonTry | epsilonTrypsin | FBgn0010425 |
| CG1951 | CG1951 | | FBgn0039623 |
| CG2034 | CG2034 | | FBgn0015359 |
| CG2229 | Jon99Fii | Jonah 99Fii | FBgn0039777 |
| CG2244 | MTA1-like | MTA1-like | FBgn0027951 |
| CG2254 | CG2254 | | FBgn0029994 |
| CG2310 | CG2310 | | FBgn0039665 |
| CG2665 | PebII | Protein ejaculatory bulb II | FBgn0011694 |
| CG2668 | Peb | Protein ejaculatory bulb | FBgn0004181 |
| CG2675 | Csat | Csat | FBgn0024994 |
| CG2781 | CG2781 | | FBgn0037534 |
| CG2943 | CG2943 | | FBgn0037530 |
| CG30025 | CG30025 | | FBgn0050025 |
| CG30028 | gammaTry | gammaTrypsin | FBgn0010359 |
| CG30031 | CG30031 | | FBgn0050031 |
| CG30042 | Cpr49Ab | Cuticular protein 49Ab | FBgn0050042 |
| CG30084 | Zasp52 | Z band alternatively spliced PDZ-motif protein 52 | FBgn0083919 |
| CG30158 | CG30158 | | FBgn0050158 |
| CG30183 | CG30183 | | FBgn0050183 |
| CG3019 | su(w[a]) | suppressor of white-apricot | FBgn0003638 |
| CG30372 | CG30372 | | FBgn0050372 |
| CG30431 | CG30431 | | FBgn0050431 |
| CG31022 | PH4alpha EFB | prolyl-4-hydroxylase-alpha EFB | FBgn0039776 |
| CG31034 | Jon99Cii | Jonah 99Cii | FBgn0003356 |
| CG31039 | Jon99Ci | Jonah 99Ci | FBgn0003358 |
| CG31072 | Lerp | lysosomal enzyme receptor protein | FBgn0051072 |
| CG31094 | LpR1 | Lipophorin receptor 1 | FBgn0066101 |
| CG31233 | CG31233 | | FBgn0051233 |
| CG31362 | Jon99Ciii | Jonah 99Ciii | FBgn0003357 |
| CG3143 | foxo | forkhead box, sub-group O | FBgn0038197 |
| CG31522 | CG31522 | | FBgn0051522 |
| CG31688 | CG31688 | | FBgn0263355 |
| CG31772 | CG31772 | | FBgn0051772 |
| CG31795 | IA-2 | IA-2 ortholog | FBgn0031294 |

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| CG31872 | CG31872 | | FBgn0051872 |
| CG32031 | Argk | Arginine kinase | FBgn0000116 |
| CG32096 | rols | rolling pebbles | FBgn0041096 |
| CG32226 | CG32226 | | FBgn0052226 |
| CG32436 | CG32436 | | FBgn0052436 |
| CG3244 | Clect27 | C-type lectin 27kD | FBgn0031629 |
| CG32473 | CG32473 | | FBgn0052473 |
| CG32479 | CG32479 | | FBgn0052479 |
| CG32548 | CG32548 | | FBgn0052548 |
| CG32694 | CG32694 | | FBgn0052694 |
| CG32703 | CG32703 | | FBgn0052703 |
| CG32815 | CG32815 | | FBgn0052815 |
| CG33110 | CG33110 | | FBgn0053110 |
| CG33113 | Rtnl1 | Rtnl1 | FBgn0053113 |
| CG33173 | CG33173 | | FBgn0053173 |
| CG3329 | Prosbeta 2 | Proteasome beta2 subunit | FBgn0023174 |
| CG33519 | Unc-89 | Unc-89 | FBgn0053519 |
| CG33555 | btsz | bitesize | FBgn0053555 |
| CG33791 | CG33791 | | FBgn0035240 |
| CG33936 | CG33936 | | FBgn0053936 |
| CG3401 | betaTub6 0D | beta-Tubulin at 60D | FBgn0003888 |
| CG34120 | CG34120 | | FBgn0083956 |
| CG34205 | CG34205 | | FBgn0085234 |
| CG34330 | CG34330 | | FBgn0085359 |
| CG34381 | CG34381 | | FBgn0085410 |
| CG34383 | CG34383 | | FBgn0085412 |
| CG34394 | CG34394 | | FBgn0085423 |
| CG3481 | Adh | Alcohol dehydrogenase | FBgn0000055 |
| CG3484 | Adhr | Adh-related | FBgn0000056 |
| CG3581 | CG3581 | | FBgn0038697 |
| CG3612 | blw | bellwether | FBgn0011211 |
| CG3725 | Ca-P60A | Calcium ATPase at 60A | FBgn0263006 |
| CG3780 | Spx | Spliceosomal protein on the X | FBgn0015818 |
| CG3801 | Acp76A | Accessory gland- specific peptide 76A | FBgn0015586 |
| CG3861 | kdn | knockdown | FBgn0261955 |
| CG3868 | CG3868 | | FBgn0036422 |
| CG3902 | CG3902 | | FBgn0036824 |
| CG3971 | Baldspot | Baldspot | FBgn0260960 |
| CG4068 | CG4068 | | FBgn0029738 |
| CG4097 | Pros26 | Proteasome 26kD subunit | FBgn0002284 |
| CG4105 | Cyp4e3 | Cytochrome P450- 4e3 | FBgn0015035 |

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| CG4147 | Hsc70-3 | Heat shock protein cognate 3 | FBgn0001218 |
| CG4178 | Lsplbeta | Larval serum protein 1 beta | FBgn0002563 |
| CG42268 | CG42268 | | FBgn0259163 |
| CG42339 | CG42339 | | FBgn0259241 |
| CG42349 | Pkcdelta | Protein kinase C delta | FBgn0259680 |
| CG42351 | CG42351 | | FBgn0259682 |
| CG42540 | CG42540 | | FBgn0260657 |
| CG42551 | larp | Ia related protein | FBgn0261618 |
| CG42572 | MCPH1 | Microcephalin | FBgn0260959 |
| CG42610 | Fhos | | FBgn0261259 |
| CG42666 | CG42666 | | FBgn0261548 |
| CG42669 | CG42669 | | FBgn0261551 |
| CG42683 | CG42683 | | FBgn0261569 |
| CG4272 | Axud1 | | FBgn0261647 |
| CG42732 | CG42732 | | FBgn0261698 |
| CG4286 | CG4286 | | FBgn0034601 |
| CG43119 | Ect4 | Ect4 | FBgn0262579 |
| CG43286 | cnc | cap-n-collar | FBgn0262975 |
| CG43442 | Nha2 | Na ⁺ /H ⁺ hydrogen antiporter 2 | FBgn0263390 |
| CG43658 | CG43658 | | FBgn0263706 |
| CG4379 | Pka-C1 | cAMP-dependent protein kinase 1 | FBgn0000273 |
| CG4451 | Hs6st | Heparan sulfate 6-O-sulfotransferase | FBgn0038755 |
| CG4527 | slik | Sterile20-like kinase | FBgn0035001 |
| CG4581 | Thiolase | Thiolase | FBgn0025352 |
| CG4600 | yip2 | yippee interacting protein 2 | FBgn0040064 |
| CG4654 | Dp | DP transcription factor | FBgn0011763 |
| CG4666 | CG4666 | | FBgn0029838 |
| CG4690 | Tsp5D | Tetraspanin 5D | FBgn0029837 |
| CG4692 | CG4692 | | FBgn0035032 |
| CG4734 | CG4734 | | FBgn0033826 |
| CG4750 | loopin-1 | loopin-1 | FBgn0259795 |
| CG4753 | CG4753 | | FBgn0036622 |
| CG4812 | Ser8 | Ser8 | FBgn0019928 |
| CG4898 | Tm1 | Tropomyosin 1 | FBgn0003721 |
| CG4986 | Mst57Dc | Male-specific RNA 57Dc | FBgn0011670 |
| CG5016 | Mst57Db | Male-specific RNA 57Db | FBgn0011669 |
| CG5021 | CG5021 | | FBgn0035944 |
| CG5155 | CG5155 | | FBgn0031905 |
| CG5162 | CG5162 | | FBgn0030828 |

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| CG5177 | CG5177 | | FBgn0031908 |
| CG5326 | CG5326 | | FBgn0038983 |
| CG5389 | CG5389 | | FBgn0036568 |
| CG5594 | kcc | kazachoc | FBgn0261794 |
| CG5767 | CG5767 | | FBgn0034292 |
| CG5773 | CG5773 | | FBgn0034290 |
| CG5902 | CG5902 | | FBgn0039136 |
| CG5932 | CG5932 | | FBgn0036996 |
| CG5945 | CG5945 | | FBgn0032494 |
| CG6051 | CG6051 | | FBgn0039492 |
| CG6186 | Tsfl | Transferrin 1 | FBgn0022355 |
| CG6202 | Surf4 | Surfeit 4 | FBgn0019925 |
| CG6271 | CG6271 | | FBgn0039476 |
| CG6289 | Spn77Bc | Serpin 77Bc | FBgn0036970 |
| CG6295 | CG6295 | | FBgn0039471 |
| CG6298 | Jon74E | Jonah 74E | FBgn0023197 |
| CG6342 | Irp-1B | Iron regulatory protein 1B | FBgn0024957 |
| CG6372 | S-Lap1 | Sperm-Leucylaminopeptidase 1 | FBgn0035915 |
| CG6457 | yip7 | yippee interacting protein 7 | FBgn0040060 |
| CG6467 | Jon65Aiv | Jonah 65Aiv | FBgn0250815 |
| CG6483 | Jon65Aiii | Jonah 65Aiii | FBgn0035665 |
| CG6492 | Ucp4A | Ucp4A | FBgn0030872 |
| CG6543 | CG6543 | | FBgn0033879 |
| CG6580 | Jon65Aii | Jonah 65Aii | FBgn0035666 |
| CG6663 | Spn77Bb | Serpin 77Bb | FBgn0036969 |
| CG6730 | Cyp4d21 | Cyp4d21 | FBgn0031925 |
| CG6763 | CG6763 | | FBgn0039069 |
| CG6783 | fabp | fatty acid binding protein | FBgn0037913 |
| CG6806 | Lsp2 | Larval serum protein 2 | FBgn0002565 |
| CG7052 | TepII | Thiolester containing protein II | FBgn0041182 |
| CG7157 | Acp36DE | Accessory gland peptide 36DE | FBgn0011559 |
| CG7176 | Idh | Isocitrate dehydrogenase | FBgn0001248 |
| CG7203 | CG7203 | | FBgn0031942 |
| CG7228 | pes | peste | FBgn0031969 |
| CG7287 | Lcp65Aa | Lcp65Aa | FBgn0020645 |
| CG7349 | CG7349 | | FBgn0030975 |
| CG7478 | Act79B | Actin 79B | FBgn0000045 |
| CG7532 | l(2)34Fc | lethal (2) 34Fc | FBgn0261534 |
| CG7542 | CG7542 | | FBgn0036738 |
| CG7592 | Obp99b | Odorant-binding protein 99b | FBgn0039685 |

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| CG7720 | CG7720 | | FBgn0038652 |
| CG7781 | CG7781 | | FBgn0032021 |
| CG7916 | CG7916 | | FBgn0028534 |
| CG7920 | CG7920 | | FBgn0039737 |
| CG7953 | CG7953 | | FBgn0028533 |
| CG8116 | CG8116 | | FBgn0037614 |
| CG8129 | CG8129 | | FBgn0037684 |
| CG8137 | Spn2 | Serine protease inhibitor 2 | FBgn0028987 |
| CG8193 | CG8193 | | FBgn0033367 |
| CG8299 | CG8299 | | FBgn0034052 |
| CG8566 | unc-104 | unc-104 | FBgn0034155 |
| CG8577 | PGRP-SC1b | PGRP-SC1b | FBgn0033327 |
| CG8622 | Acp53Ea | Accessory gland-specific peptide 53Ea | FBgn0015584 |
| CG8626 | Acp53C14a | Acp53C14a | FBgn0034152 |
| CG8628 | CG8628 | | FBgn0250836 |
| CG8654 | CG8654 | | FBgn0034479 |
| CG8661 | CG8661 | | FBgn0030837 |
| CG8722 | Nup44A | Nucleoporin 44A | FBgn0033247 |
| CG8786 | CG8786 | | FBgn0036897 |
| CG8867 | Jon25Bi | Jonah 25Bi | FBgn0020906 |
| CG8869 | Jon25Bii | Jonah 25Bii | FBgn0031654 |
| CG8871 | Jon25Biii | Jonah 25Biii | FBgn0031653 |
| CG8952 | CG8952 | | FBgn0030688 |
| CG8982 | Acp26Aa | Accessory gland-specific peptide 26Aa | FBgn0002855 |
| CG8994 | exu | exuperantia | FBgn0000615 |
| CG8997 | CG8997 | | FBgn0028920 |
| CG9057 | Lsd-2 | Lipid storage droplet-2 | FBgn0030608 |
| CG9074 | Mst57Da | Male-specific RNA 57Da | FBgn0011668 |
| CG9090 | CG9090 | | FBgn0034497 |
| CG9092 | Gal | beta galactosidase | FBgn0001089 |
| CG9111 | LysC | Lysozyme C | FBgn0004426 |
| CG9118 | LysD | Lysozyme D | FBgn0004427 |
| CG9130 | CG9130 | | FBgn0035197 |
| CG9132 | CG9132 | | FBgn0030791 |
| CG9133 | CG9133 | | FBgn0035198 |
| CG9159 | Kr-h2 | Kruppel homolog 2 | FBgn0028419 |
| CG9259 | CG9259 | | FBgn0032913 |
| CG9297 | CG9297 | | FBgn0038181 |
| CG9334 | Spn3 | Serine protease inhibitor 3 | FBgn0028986 |
| CG9379 | by | blistery | FBgn0000244 |

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| CG9380 | CG9380 | | FBgn0035094 |
| CG9396 | CG9396 | | FBgn0037714 |
| CG9399 | CG9399 | | FBgn0037715 |
| CG9494 | Tsp29Fa | Tetraspanin 29Fa | FBgn0032074 |
| CG9528 | retm | real-time | FBgn0031814 |
| CG9539 | Sec61alp ha | Sec61alpha | FBgn0086357 |
| CG9540 | Ag5r2 | Antigen 5- related 2 | FBgn0020508 |
| CG9570 | CG9570 | | FBgn0031085 |
| CG9572 | CG9572 | | FBgn0031089 |
| CG9619 | CG9619 | | FBgn0036862 |
| CG9673 | CG9673 | | FBgn0030775 |
| CG9748 | bel | belle | FBgn0263231 |
| CG9753 | AdoR | Adenosine receptor | FBgn0039747 |
| CG9861 | CG9861 | | FBgn0034844 |
| CG9919 | CG9919 | | FBgn0030742 |
| CR18854 | CR18854 | | FBgn0042174 |
| CR31781 | CR31781 | | FBgn0051781 |
| CG43313 | CG43313 | | FBgn0263005 |