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DISSERTATION

Asymmetric Cell Division in *Drosophila*:
Genome-wide analysis of *Drosophila* external sensory organ development by transgenic RNAi

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Summary

Complete genome sequencing has launched numerous efforts to assign gene function on a genome-wide level. To this end, genome-wide RNAi screens have identified near-complete sets of genes that participate in particular cellular functions. While many such screens have been made for processes that can be studied on a single-cell level, this methodology has not yet been used to study complex developmental processes in a tissue-specific manner. Here we report the first in vivo genome-wide screen for developmental processes and signaling pathways in a multi-cellular tissue. We use a library of transgenic *Drosophila* strains expressing inducible hairpin RNAi constructs to study the development of external sensory (ES) organs on a genome-wide level. ES organ development involves lateral inhibition, proliferation control, asymmetric cell division and planar polarity and defects in these processes lead to characteristic phenotypes. Our screen shows that genome-wide analysis can be used in the context of a whole organism to identify molecules involved in complex biological processes. We assign putative roles in notum development to approximately 20% of the *Drosophila* genome and classify them into eleven phenotypic categories. Using secondary assays, we identify the most important genes for Notch signaling and asymmetric cell division. Among these are six new genes involved in asymmetric cell division, three genes involved in asymmetric protein localization, twenty-two novel genes generally required for the Notch signaling pathway, five of which act upstream of Su(H) transcription. Finally, by integrating our RNAi screen results with published data sets we construct the first genome-wide, functionally validated protein-protein network governing Notch signaling and asymmetric cell division. We provide further evidence for the importance of nuclear import to Notch signaling and identify the COP9 signalosome as a novel regulator of the process of asymmetric cell division.

Zusammenfassung

Die Genomsequenzierungen haben in ihrer Folge zu zahlreichen Anstrengungen geführt mit dem Ziel, die Funktion von Genen in genomweitem Maßstab zu bestimmen. Ein verbreiteter Ansatz dazu sind genomweite RNAi Screens, die mittlerweile einen fast vollständigen Satz von Genen, die an bestimmten zellulären Prozessen beteiligt sind, identifizieren konnten. Während viele dieser Screens auf Vorgänge in isolierten Einzelzellen fokussiert waren, wurde diese Methodik bislang noch nicht im Kontext komplexer gewebespezifischer Entwicklungsprozesse angewandt. Wir berichten hier über den ersten in vivo genomweiten RNAi Screen für Entwicklungsprozesse und Signalwege in multizellulärem Gewebe. Dazu verwenden wir eine genomweite Sammlung transgener *Drosophila* Stämme, die induzierbare haarnadel RNAi Konstrukte exprimieren, und untersuchen damit die Entwicklung des externen Sensororgans (ES Organ). An der Entwicklung des ES Organs sind die Prozesse der lateralen Inhibition, der Proliferationskontrolle, asymmetrischer Zellteilung und planarer Polarität beteiligt. Defekte bei diesen Vorgängen sind mit charakteristischen Phänotypen des ES Organs assoziiert. Unser Screen zeigt, daß eine genomweite Analyse im Kontext eines ganzen Organismus angewandt werden kann, um Moleküle zu identifizieren, die an komplexen biologischen Prozessen beteiligt sind. Wir können für etwa 20% des *Drosophila* Genoms mögliche Funktionen bei der Notum-Entwicklung zuweisen und in elf phänotypische Klassen kategorisieren. Mit Hilfe von sekundären Assays identifizieren wir die wichtigsten Gene für den Notch-Signalweg und asymmetrische Zellteilung. Darunter sind sechs bislang unbekannte Gene, die eine Rolle bei der asymmetrischen Zellteilung spielen, drei Gene für asymmetrische Proteinlokalisation und 21 Gene, die am Notch-Signalweg beteiligt sind, wobei fünf "upstream" der Su(H) Transkription platziert werden können. Schließlich haben wir durch die Integration unserer RNAi Daten mit publizierten Datensätzen das erste genomweite, funktionell validierte Protein-Interaktionsnetzwerk für den Notch-Signalweg und asymmetrische Zellteilung erstellt. Wir zeigen die Bedeutung von Kerntransportprozessen für den Notch-

Signalweg und identifizieren das COP9 Signalosom als einen neuen Regulator für der asymmetrischen Zellteilung.

Introduction

RNA-mediated gene interference (RNAi) as a method for systematic reverse genetic screening has been invaluable for uncovering the roles of genes in many different developmental signaling pathways. To date, however, such genome-wide screens have mostly been carried out in cultured cells [1] [2], or by using ubiquitous gene silencing in the nematode worm *Caenorhabditis elegans* [3,4] and the planarian *Schmidtea mediterranea* [5]. Cell-based screens are not capable of studying complex developmental pathways involving cell-cell contact, or development of a specific tissue. Recently, the generation of a genome-wide collection of *Drosophila melanogaster* tissue-specific inducible RNAi transgenes has finally made it possible to study such processes [6].

Development of a multicellular adult structure, like the adult *Drosophila* thorax, or notum, requires the input of multiple developmental signaling pathways. Notch signaling is one such pathway. Notch signaling is an important evolutionarily conserved pathway for cell fate specification [7]. In Notch signaling, direct cell-cell contact, resulting in binding between a membrane-tethered ligand (Delta or Serrate) leads to activation of the Notch receptor on the adjacent cell. Notch activation involves proteolytic cleavages, extracellularly by the ADAM protease (S2 cleavage), and within the membrane by gamma secretase (S3 cleavage) [7]. The S3 fragment, or intracellular domain of Notch (NICD) is then trafficked in the signal receiving cell to the nucleus where it forms a transcriptional activator complex by binding to the transcription factor Su(H), thus activating target gene expression [8] [9]. The two cells, one signal sending, and the other signal receiving, take on distinct cell fates because of a bias in ligand and receptor surface expression that ensures Notch is activated in only one of the two interacting cells. This is achieved with positive and negative feedback mechanisms to amplify initially small differences in receptor and ligand expression and establish one signal sending and one signal receiving cell. Endocytosis of both ligand and receptor is an important regulatory mechanism

for the Notch pathway, although the role of Notch receptor trafficking in the signal receiving cell is still poorly understood [7].

The notum is covered in External Sensory (ES) organs, also known as bristles (Fig. 1a, arrowheads). Each ES organ is composed of two externally visible cells, the hair and the socket, and two internal cells, the neuron and the sheath. A single precursor cell, the Sensory Organ Precursor (SOP) gives rise to the entire organ [9,10] (Fig. 1b). SOP cells are specified by lateral inhibition, a process where a single cell with the lowest level of Notch signaling (light orange) is selected from a field of cells competent to take on SOP fate (dark orange) [11] (Fig. 1c). SOP cells then divide in a series of asymmetric cell divisions where the cell fate determinant Numb, its adaptor protein Pon and the ubiquitin ligase Neuralized are segregated to one daughter cell, making that cell different from its sister [9,10] (Fig. 1b). In the first round of SOP division, two daughter cells are created, the anterior pIIb cell (which receives Numb and Neuralized and gives rise to the inner neuron and sheath cells) and the posterior pIIa cell (which divides to produce the external hair and socket cells). A glial cell is also produced by the pIIb cell, but it later undergoes apoptosis [11].

Cell fate determinant localization is achieved through the actions of two evolutionarily conserved protein complexes, the Par complex, comprising Par-3 (Bazooka in *Drosophila*), Par-6, and atypical protein kinase C (aPKC), which act in a Lethal (2) giant larvae (Lgl*)* dependent manner, and a spindle orientation complex comprised of the heterotrimeric G protein Gαi, the GoLoco-domain proteins Partner of Inscuteable (Pins, also called rapsynoid (raps)) and Locomotion defects (Loco), and the microtubule binding protein Mushroom body defects (Mud) [9,10]. These complexes are both required for coordinating spindle alignment with the cell's internal axis of polarity, so that asymmetric protein segregation can occur. An adaptor protein that binds both Par-3 and Pins, called Inscuteable (Insc), brings the two complexes together in some asymmetrically dividing cells. Insc is not expressed in SOP cells and the two complexes reside in opposite cortical domains, the Par complex on

the posterior side and the spindle orientation complex on the anterior side, due to signals from the planar cell polarity pathway [9]. Molecular mechanisms to explain how cell fate determinants localize in mitosis remains one of the most important questions in the field of asymmetric cell division [10].

After division of the SOP cell, Numb acts as a repressor of Notch signaling and its inheritance results in a lower level of Notch activity in pIIb. Neuralized monoubiquitinates the Notch ligand Delta in the pIIb cell, leading to its endocytosis and activation, enhancing Notch receptor activation in the pIIa cell [9]. The relative differences in Notch activity between the daughter cells establish their cell fates. When Notch activity loses its bias and becomes equal in the two daughters, they adopt the same fate [11]. Any deviation from the normal four daughter cell fates (hair, socket, neuron, and sheath) is called a cell fate transformation. Finally, the epithelial planar cell polarity pathway establishes the orientation of the ES organs on the notum (Fig. 1d).

Therefore, three main phenotypes can be observed in ES organs. In a Notch loss of function situation, multiple SOPs are specified during lateral inhibition and this results in "tufts" of ES organs (Fig. 1c). Defects in asymmetric cell division result in ES organs with cell fate transformations. In planar polarity loss of function, the orientation of the bristles is randomized (Fig. 1d).

Notch signaling and asymmetric cell division are important regulators of development, stem cell proliferation and differentiation, and defects in these pathways have been linked to human cancers [7 10]. It is therefore important to understand how these pathways function, and to identify the genes involved. Here we report the first tissue-specific *in vivo* genome-wide RNAi screen in *Drosophila melanogaster* for Notch signaling and asymmetric cell division, using the ES organ as a model system.

Results

Design of the screen

To identify genes involved in ES organ development, we screened a genome wide collection of transgenic fly stocks where RNAi can be induced in a tissue and time specific manner (Fig. 1f) [6]. In this library, inverted repeats (IR) are under the control of Upstream Activation Sequences (UAS), which are normally silent, but are activated when the yeast transcription factor GAL4 is expressed under the control of a promoter of interest [12]. The IRs are transcribed by RNA Polymerase II and fold into hairpin RNAs which are processed by Dicer machinery into siRNAs. These small RNAs then bind to their complementary mRNAs and silence protein production for that gene (Fig. 1f). The library contains 22,270 high-quality transgenic RNAi lines, representing 13,251 IR constructs that target 12,088 genes (88.0% of predicted protein-coding genes) [6].

To identify the best GAL4 driver line for expressing the UAS-RNAi constructs we carried out an extensive pre-screen with GAL4 driver lines that are broadly expressed on the notum, namely the proneural cluster-specific (*sca*-GAL4) and two more uniformly expressed notum drivers (*fzIII*-GAL4 and *pnr*-GAL4). Rearing flies at a higher temperature increases the strength of transgene expression using the GAL4-UAS system. For this reason we tested all GAL4 drivers crossed to various UAS-IR lines at 18, 25 and 29°C. We tested a set of 40 RNAi lines targeting 21 genes known to play roles in Notch signaling and asymmetric cell division (Table 1). Virgin female GAL4 flies were crossed to male UAS-IR flies in triplicate and one vial from each cross was incubated at 18, 25 and 29°C. Adult flies from each cross were visually examined and any morphological abnormalities on the notum were recorded. Defects in Notch signaling during lateral inhibition result in a change in the number of SOP cells specified, and therefore a change in the number of ES organs on the notum [11]. Early knockdown of the Notch ligand Delta, for example, during lateral inhibition results in flies with a gain of bristles phenotype (Fig. 2c).

Defects in Notch signaling, or processes specific to asymmetric cell division when SOP cells and their daughters are dividing result in cell fate transformation [9] (Fig. 2b,c). *pannier* (*pnr*)-GAL4 crosses reared at 29°C consistently gave the strongest phenotypes, with a low level of lethality (Table 1). *pnr*-GAL4 is expressed during larval development in the dorsal-proximal region of the wing disc, an area corresponding to the center of the adult notum [13] (Fig. 1e).

Genome-wide primary screen results

We therefore used the notum promoter *pannier* (*pnr*) to drive GAL4 and the expression of the RNAi constructs for our genome-wide screen. We screened 20,262 lines, targeting 11,463 genes (Table 2, 2b). Crosses were setup at 22°C for two to three days and then incubated at 29°C until screening, on or around day 14. For each cross we visually examined the *pnr* expression area of the notum for at least 10 adult male flies (when available) and recorded any morphological abnormality. Phenotypes on the notum were classified into several categories, including those specific to ES organs (increase (gain) or decrease (loss) in number of bristles (Fig. 2c), duplicated hair cells, empty or multiple sockets (Fig. 2b), bristle planar polarity (Fig. 2d), and bristle morphology defects (Fig. 3a)), and those that describe notum morphology or general properties (colour, malformation due to cellular death or defects in thorax closure (migration), overgrowth and "other" (Fig.3b-f)). Scores were assigned in each category (except for overproliferation which was scored yes (1) or no (0) only) on a scale of 0 (no phenotype) to 10 (100% of the *pnr* expression area affected by the phenotype). When adult flies of the correct genotype could not be scored, the stage when lethality likely occurred was noted. Light microscope images were taken for every line with a visible phenotype. Detailed data, including images, for each transgenic line screened is available in the accompanying online database (accessible at http://bristlescreen.imba.oeaw.ac.at) and in Tables 2 and 2b.

The majority of lines (69.0%) showed no phenotype and no associated lethality (13,995 lines, 8,613 genes), 8.9% of lines screened were completely lethal (no adults of the desired genotype) and could not be scored for notum development phenotypes (1,803 lines, 1,238 genes), while 2.5% of lines showed some lethality but adult "escapers" had no obvious phenotype (496 lines, 467 genes) (Fig. 2f). The remaining 19.6% of lines (3,973 lines, 2,938 genes) showed some phenotype, with (1,230 lines, 1,042 genes) or without (2,743 lines, 2,182 genes) accompanying lethality. Of those lines with a visible phenotype, a total of 668 lines (566 genes) were manually selected as showing a phenotype consistent with defects in lateral inhibition (loss of bristles greater than or equal to seven, and/or “patchy” gain of bristle phenotypes, indicating more than one ES organ formed per proneural cluster), asymmetric cell division (loss of bristles greater than or equal to seven and/or duplicated hair cells, and/or empty or multiple socket phenotypes), planar cell polarity (strength greater than or equal to four) or growth and proliferation, representing 5.2, 6.4, 2.0 and 6.0 percent of all visible phenotypes, respectively (Fig. 2f). Surprisingly, we observed many lines with strong defects (more than 50% of the *pnr* expression area affected) in notum pigmentation (356 lines, 307 genes) (Fig. 3b,c). Notum malformation was frequently observed and was separated into two phenotypically distinct categories, which we interpreted as due to cell death (Fig. 3d) or migration defects (Fig. 3e). Cell death malformation resulted in a smaller than normal pnr expression area, while the thorax closure (migration) phenotypes appeared to have a normal size pnr expression area, but the two hemi-nota remained separated. The remaining "other" phenotypes (see example, Fig. 3f) potentially represent biologically interesting signaling pathways and developmental processes, but are not within the scope of analysis for the current study.

Quality of the screen – Calculation of the false negative rate

False negative results, where a gene is actually involved in a process, but its knockdown in our screen fails to produce the expected phenotype, can arise from different biological phenomena, especially due to the insertion site of the

transgene in the fly genome, resulting in variations in expression level. Alternatively, IRs can be unstable sequences and part of the sequence is recombined out resulting in no hairpin RNA formation. However, more than 98% of all transgenic library lines are predicted to contain the complete inverted repeat sequences and therefore be functional [6]. To estimate the false negative rate for our screen, we made a list of 42 genes (79 lines) where mutations in the genes show phenotypes in Notch signaling and asymmetric cell division during notum development and checked whether or not knockdown of those genes in our primary screen resulted in a visible phenotype (Table 3). Knockdown for 24 genes resulted in the expected phenotypes, six genes were completely lethal before adult stages and could not be checked for notum phenotypes. Interestingly, two genes, *cdc2* and *bre1*, resulted in strong notum malformation due to cell death, but given their functions in pathways other than Notch signaling and/or asymmetric cell division, this phenotype could be expected. Finally, 10 genes whose knockdown was expected to result in a visible phenotype showed no phenotype. Therefore, we estimate that the false negative rate for the screen is approximately 23.8% (10 of 42 genes with no phenotype) to 29.4% (10 of 34 genes) if we exclude those genes that were completely lethal or resulted in strong notum malformation due to cell death (Table 3). Dietzl et al (2007) [6] used a ubiquitous GAL4 driver line to knock down genes with the same RNAi transgenic fly collection and estimated an overall false-negative rate of 34.7% (based on genes, 39.9% based on lines), so our result is quite reasonable as a technical limitation of the method of transgenic RNAi with this collection.

Quality of the screen – Calculation of the false positive rate

Like false negatives, false positives can also occur for various reasons. So called “EP effects”, where over-expression of the IR also results in over-expression of the endogenous gene where the transgene element integrated, are one potential source of false positives. Another potential source of false positives are off target effects, due to sequence matching, or CAN trinucleotide repeats [14], but more than 96% of the library constructs have a single predicted on-target gene and approximately 95% are more than 80%

specific for the intended on-target gene [6]. To estimate the false positive rate in our screen we obtained a list of 43 genes (72 lines) [6] where the adult mutant phenotype has been described (Table 4). Knockdown of 36 genes (61 lines) showed no phenotype and no lethality, and three genes (five lines) showed only the expected phenotype, and no other false positive phenotype. In the case of four genes, the results were not so easy to interpret. Each of the phenotypes observed, while they do not match perfectly to the mutant allele phenotypes, is not unreasonable to expect. For example, there were two lines targeting *Sir2* (*CG5216*), the autosomal insertion had no phenotype while the X chromosome insertion showed some lethality at pupal stages, but no phenotype in adults. In another example, knockdown of the gene *orange*, an AP-3 subunit, caused a weak notum malformation phenotype for one of two lines. AP-3 regulates membrane traffic of vesicles destined for secretion and to the lysosome [15], so knockdown of AP-3 function might be expected to cause hyper-activation of signaling pathways, causing notum malformation. We therefore estimate an overall false positive rate of 0 to 9.3% (0/43 to 4/43 genes) (Table 4).

Quality of the screen – Results with a set of second UAS-RNAi fly lines

To confirm that the phenotypes we observed were due to a knockdown of the predicted gene, that is, that the phenotypes were not false positives, we generated or obtained from the NIG-FLY Stock center, second UAS-IR fly lines for 74 genes (137 lines) and tested whether the phenotypes observed in our primary screen were reproducible (Table 5). The second line collection transgenic fly stocks were independently created and designed in such a way that there was a maximum 70% overlap between the primary construct in the original library and the new IR sequence, although most constructs overlap the original by less than 50%. Overall, our results were highly reproducible. Second IR lines for 64.4% of all genes tested resulted in the same or similar phenotypes as the original library lines. For genes with two independent transgenic lines in the original library which both show the same phenotype in the primary screen, the reproducibility rate with second lines is even higher: 88% of independent non-library lines showed the same or similar phenotype

(22 of 25 genes). This includes 100% (five genes) reproducibility for genes known to be involved in Notch signaling or asymmetric cell division and 87.5% (14 of 16 genes) for novel genes. Independent of whether more than one line was present in the library and/or if the two original lines gave the same phenotype, identical phenotypes between the original library and the new lines were observed in 47.9% (35 of 73 genes) of cases. Of the genes with identical phenotypes, 13 genes targeted were positive control genes, and 22 genes targeted were novel genes uncharacterized to play roles in notum development. Similar or related phenotypes were observed in a further 16.4% (12 of 73 genes) of cases, including three control genes, and nine novel genes (Table 5).

From primary screen results to a list of candidate genes

We separated the genes into various phenotype groups, based on what we believed to be the biological cause of the phenotype. In order to see whether our phenotype groupings (i.e. strong loss of bristles or overgrowth of the notum) really identified genes involved in the pathways we were screening for we turned to Gene Ontology (GO) databases. We checked whether GO terms for appropriate pathways were significantly over-represented in our group of genes for several major phenotype categories compared to a same size set of random genes (Table 6). The group of genes whose knockdown caused a larger than normal notum was statistically enriched for genes regulating organ growth and cell proliferation, while the bristle morphology defect group included metabolic and cytoskeletal genes, as expected. Likewise, the group of genes whose knockdown caused planar cell polarity defects was enriched for genes involved in establishment of planar polarity and wing hair orientation. These results confirm that our screen criteria successfully identified genes already known to be involved in the biological processes we set out to study and classified them appropriately into phenotype groups.

Some phenotypic categories are made of a single trait. However, more complex groups, like those for asymmetric cell division and lateral inhibition, are compound groups including phenotypes of a certain strength range in

different combinations of categories. The criteria for inclusion in these categories were based on examining the phenotypes of known positive control genes for each biological process and creating a compound class of phenotypes where very few or none of the control genes were excluded. For example, the asymmetric cell division category is made up of genes with loss of 70% or more external ES organ structures (hairs and sockets) and/or any score for empty or multiple sockets and/or any score for duplicated hair cells. These phenotypes can occur alone or in combination with any other phenotype. This group of genes was also analyzed for statistical GO Term enrichment, and appropriate terms were found (Table 6). Simple analysis can be used to derive phenotypic signatures for other biological pathways of interest, provided a set of control genes already known to play a role in the biology of the pathway is available. Our web-based database allows complex searches based on gene lists or phenotypic combinations and therefore can be useful for others trying to understand the phenotypic profile for their pathway of interest in notum development.

Bristle phenotypes cannot directly distinguish between asymmetric cell division and Notch loss of function

One important difference between cell-based RNAi screening assays and complex *in vivo* screening for biological processes is that while cell-based assays are often linear in nature with all effects on the pathway of interest converging on the expression of a single reporter, there is a much more complex relation between observed phenotypes and the underlying process(es) affected when screening in the context of a developing organism. For example, defects in the process of lateral inhibition can result in too many (gain) bristles, or a loss of ES organs. Asymmetric cell division defects can result in duplication of the hair cell, multiple sockets, or in a loss of externally-visible hair and socket cells. The situation is further complicated because Notch signaling acts in both lateral inhibition and in asymmetric cell division. Thus, separating general Notch genes from those specifically required for lateral inhibition or asymmetric cell division is not possible based only on primary screen ES organ phenotypes.

During the process of lateral inhibition, Notch activity decreases proneural potential in all but one cell of the proneural cluster, selecting that cell as the SOP [11]. Later in development, the SOP divides asymmetrically. After each round of asymmetric division, Notch activity is high in one daughter, but not in the other, resulting in the daughter cells adopting two different cell fates [109]. Consequently, Notch pathway loss of function on the notum gives rise to two very different phenotypes (Fig. 2c). Knockdown of the Notch ligand *Delta* results in a lateral inhibition defect where more precursor cells are specified and there is a gain of bristles. Knockdown of *O-fut1* results in a similar lateral inhibition defect but also results in a cell fate transformation due to Notch defects during asymmetric cell division. In this case, the resulting phenotype is a strong loss of bristles. Alternatively, a strong loss of bristles could be due to a failure in SOP cell specification during lateral inhibition (Notch pathway gain of function), death of the SOP cells, or their failure to divide or differentiate to produce the four cells that make up each adult organ (Fig. 4a).

In order to obtain a final list of genes involved in asymmetric cell division and general Notch signaling, we used a series of six different analyses. Extensive secondary assays were necessary because it was not immediately possible to determine which genes are involved in Notch pathway activity from the primary phenotype alone. The analyses we performed were:

1. Knockdown of genes in the same tissue at different time points with live cell imaging to assay for SOP specification
2. Time-lapse confocal microscopy to screen for defects in SOP asymmetric protein localization induced by RNAi
3. Knockdown of genes in the same tissue at later time point, followed by antibody staining for a cell fate transformation phenotype
4. Knockdown of genes in another tissue (wing) where Notch signaling is required for normal development
5. Checking the effect of gene knockdown on a molecular signal transduction assay with a reporter

6. Integration of our data with other genome-wide data sets to look at the global regulatory network for asymmetric cell division and Notch signaling during notum development

A live imaging assay for assessing the number, size and shape of SOP cells

To differentiate between the classes of genes, which all cause loss of bristle phenotypes, we developed an assay to separate lateral inhibition and asymmetric cell division defects from other developmental defects. In the primary genome-wide screen, 116 transgenic lines targeting 101 genes gave a strong loss of bristles (a score for loss of at least seven). To test whether the nota for flies of these genotypes contained a normal number, shape and size of SOP cells, we designed a live cell-imaging assay. The first problem encountered was the need for visualization of SOP cells without using the GAL4-UAS system. We could not use an SOP specific GAL4 line to drive expression of a reporter because *pnr*-GAL4 was needed simultaneously to induce RNAi throughout the entire notal epithelium. The SOP-specific *phyllopod* promoter [16] was directly fused to a GFP reporter to visualize SOP cells in developing *Drosophila* pupae at a time when these precursors normally enter mitosis (Fig. 4b). Importantly, the GFP reporter we constructed also allows for a time-lapse imaging screen for asymmetric protein localization (see subsequent section). Pupae were selected for each genotype and aged at 29°C for 14 hours. The brown external case was removed, pupae were mounted in a custom-built microscope slide and the GFP was visualized live on a confocal microscope. A live imaging assay eliminated the need for dissection, fixation and time-consuming antibody incubation steps. At least three pupae were examined per genotype.

We screened 91 lines, targeting 79 genes in this assay and classified the genes into several phenotypic categories (Fig. 4b, 5 and Table 7). Of eight lines, targeting five positive control genes for Notch signaling and asymmetric cell division, 100% showed an expected strong phenotype. Approximately one

third of lines screened in this assay (33 lines, 33 genes) completely lacked SOP cells in the area where the RNAi was active, while outside this region the cells were completely normal (see *CG31612*, Fig. 4b). A further eight lines (seven genes) had fewer than normal precursors (Fig. 5d). Failure to specify SOPs can be due to too much Notch signaling (a Notch pathway gain of function) during lateral inhibition so these genes might be negative regulators of the Notch pathway. The opposite phenotype, with more than the usual number of SOPs was observed for 13 lines (eight genes) including knockdown of *Notch* (Fig. 4b). This phenotype is consistent with too little Notch signaling during lateral inhibition and specification of too many precursors, a so-called neurogenic phenotype. These genes are likely positive regulators of the Notch signaling pathway. Interestingly, two lines (two genes) resulted in a normal number of SOP cells, but they were smaller than usual (Fig. 5b) and four lines (three genes) caused abnormally large SOP cells (Fig. 5c). For four lines (four genes), where escaper adults showed a strong loss of bristles, the pupae repeatedly died before or in the process of imaging analysis. Finally, 31 lines, targeting 27 genes had no obvious phenotype in terms of the size, shape and number of SOP cells (Table 7).

A time lapse microscopy screen for defects in asymmetric protein localization

To identify novel factors involved in cell fate determinant localization, we first checked whether endogenous Numb could be mislocalized by knockdown of a gene in our system. Knockdown of *pins*, a protein involved in the asymmetric localization of Numb, resulted in a loss of bristles due to a cell fate transformation to inner cell fate (Fig. 6b, compare to wild type Fig. 6a). Immunofluorescence antibody staining showed that while Numb forms anterior crescents in control metaphase SOP cells and is segregated to only one daughter cell (Fig. 6c), in pins knockdown, Numb is localized all around the cortex of the cells and is symmetrically inherited by both daughter cells (Fig. 6d). Therefore, we showed that *pnr*-GAL4 knockdown of genes important for asymmetric protein localization results in mislocalization of endogenous cell fate determinants.

Because antibody staining is laborious and does not allow us to analyze dynamic changes in cell fate determinant localization, we developed a live time lapse cell imaging assay to check whether any of the asymmetric cell division phenotypes identified in our genome-wide RNAi bristle screen were due to defects in cell fate determinant localization. Pon is a binding partner of the cell fate determinant Numb. Observing the localization of an EGFP tagged Pon localization domain (EGFP::Pon.LD) allows us to indirectly visualize Numb localization in dividing SOP cells. In wild type pupae, the reporter construct EGFP::Pon.LD, expressed under the control of the *phyllopod* promoter, localizes asymmetrically in an anterior crescent in mitotic SOP cells, and is segregated to the anterior, future pIIb, daughter cell (Fig. 7a). When using *pnr*-GAL4 to drive expression of a UAS-IR construct that targets *bazooka* in both SOP and epithelial cells, the GFP reporter is uniformly localized around the cortex of mitotic SOP cells, and is inherited by both daughter cells (Fig. 7b). We screened for similar symmetric cell division phenotypes upon knockdown of the novel genes we identified in our genome-wide bristle screen.

In addition to those lines described in the live cell imaging assay above, all genes with a weaker loss of bristle phenotype (score of at least five, or 50% of the bristles affected) and any cell fate transformation (any socket and any hair cell duplication phenotype) were also screened using the time lapse live imaging assay. Together, 149 lines (130 genes) were examined by live imaging (Table 8). Single focal plane images were captured on a confocal microscope at approximately 14 second intervals for about 1 hour. Movies from at least three different pupae per genotype were recorded.

Of those genes screened not previously thought to play a role in asymmetric cell division, we identified three genes whose knockdown resulted in defects in localization of the EGFP::Pon.LD reporter: subunit four of the Anaphase Promoting Complex/Cyclosome (*APC4*, *CG32707*), *separation anxiety* (*san*, *CG12352*), and an uncharacterized gene *CG6954*. Weaker effects were observed for knockdown of a further eight genes (Table 8).

Knockdown of *san* and *APC4* causes defects in maintenance of cell fate determinant localization

Knockdown of two genes, *san* and *APC4* caused a very similar phenotype. In both cases, the reporter initially localized correctly, but the cell cycle length was dramatically increased, the asymmetric reporter localization was decreased or lost over time and eventually equal segregation of the reporter between the daughter cells occurred (Fig. 8c,d).

Knockdown of *san* caused a strong loss of bristle phenotype accompanied by empty or multiple socket phenotypes, mild notum death malformation and bristle morphology defects in the primary bristle screen (arrowheads, Fig. 8b). Two independent insertions of the same UAS-IR construct gave similar results (Table 2, data not shown).

Live imaging revealed that *san* loss of function had no effect on the number or size of SOP cells on the notum, but caused a metaphase delay where the time from Nuclear Envelope Breakdown (NEBD), the point in the cell cycle when Pon accumulates asymmetrically on the cell cortex [17], to anaphase onset was significantly increased, from 8min 11sec ± 1min 49sec (n=30 cells, from five pupae) in the control situation, to 30min 59sec ± 16min 57sec (n=26 cells, from five pupae) in *san* knockdown (Fig. 8d). The time from anaphase onset to cytokinesis was also increased from 2min 31sec ± 45sec for controls, to 4min 28sec ± 2min 24 sec for san knockdown. At NEBD, the EGFP::Pon.LD reporter was localized in an anterior crescent, as in wild type SOP cells (Fig. 8c). While, the reporter remained asymmetric in 58.6% of SOP cells, near-complete loss of the initial asymmetry was observed in 17.2%, and the crescents became weaker in a further 20.7% of SOP cells (n=29 cells, from five pupae), resulting in near-symmetric SOP division.

Knockdown of *APC4* caused mild notum death malformation, with mild bristle morphology defects, strong loss of bristles and cell fate transformations causing both hair cell duplication (with socket, not pictured) and empty or

multiple socket phenotypes (arrowheads, Fig. 8a). Two independent insertions of the same UAS-IR construct gave similar results (Table 2, data not shown).

Live imaging analysis showed that *APC4* loss of function did not change the specification or size of SOP cells. However, *APC4* knockdown resulted in significantly longer mitosis, with the time from NEBD to anaphase onset to cytokinesis of 32min 11sec ± 11min 58sec (n=23 cells, from four pupae) for *APC4* knockdown, compared to 8min 11sec ± 1min 49sec (n=30 cells, from five pupae) for controls. The time from anaphase was also increased, requiring 7min 16sec ± 4min10sec (n=23 cells, 4 pupae) for APC4 knockdown. Similar to the observation for san knockdown, EGFP::Pon.LD asymmetry is frequently lost or reduced between NEBD and anaphase onset (Fig. 8c). While 30.4% of SOP cells retained asymmetric localization and segregation of the reporter, the remaining cells had defects: 8.7% of cells showed asymmetric localization of EGFP::Pon, but failed to segregate it to only one daughter cell, 39.1% of cells retained only weakly asymmetric accumulation of the reporter and 21.7% divided with symmetric EGFP::Pon (n=23 cells, from four pupae). Finally, a cell shape change phenotype was observed during telophase/cytokinesis, indicative of a rotation of the spindle/cleavage plane relative to the initial axis of polarity (Fig. 8c, last panel). Wild type controls establish a polarized crescent of reporter by metaphase and divide with their spindle aligned closely to the center of the crescent. *APC4* knockdown resulted in large rotations (up to 57° relative to the metaphase crescent location (Fig. 8c and data not shown)).

_CG6954_ is a putative novel gene for establishment of asymmetric protein localization

Knockdown of *CG6954* with one UAS-IR line caused a weak empty or multiple socket cell phenotype in the primary screen (arrowheads, Fig. 9a). A second independent insertion of the same UAS-IR construct from the library collection did not confirm the phenotype in the primary screen, but

subsequent examination of more independent insertions showed that the phenotype is reproducible (Table 2b, data not shown).

CG6954 was the only novel gene screened by time-lapse microscopy that showed defects in the establishment of polarized reporter localization (Fig. 9b-d). Before anaphase onset, 11.1% of cells had symmetric EGFP::Pon localization, a further 55.5% had only weak accumulation of the reporter, 5.6% showed delayed crescent formation and 27.8% showed no phenotype (n=18 cells where the entire mitosis was recorded, from four pupae). Importantly, "telophase rescue" mechanisms, which cause correction of asymmetric protein localization defects in late phases of the cell cycle and which occur in many mutants affecting asymmetric cell division [10], seemed to rescue the localization defects in many cases. In the same cells at telophase, a full 44.4% of cells showed no phenotype, 33.3% of cells had a strong EGFP::Pon crescent, but defects in coordinating this axis of polarity to spindle orientation (Fig. 9d), another 11.1% of cells asymmetrically segregated the reporter, but with abnormal looking crescents (Fig. 9b), and only 11.1% of cells segregated EGFP::Pon strongly to both daughter cells (Fig. 9c). This may account for the weak bristle phenotype.

Antibody staining differentiates between general lineage development defects and cell fate transformation

For those transgenic lines with no apparent phenotype in the live imaging assay, we checked whether the adult loss of bristles phenotype is due to an abnormal progression through the SOP cell lineage, or to a change in fate of the SOP daughter cells. Because this method is more time-consuming, we selected a smaller set of genes for analysis, focusing on novel genes. We assayed 26 such lines (22 genes) for cell fate transformations using two different combinations of antibodies specific for a given SOP daughter cell fate (Fig. 10a). 20 lines (16 genes) had either no phenotype, unhealthy ES organs with an abnormal number, size, and/or shape of cells, or the notum was too malformed to check the ES organs. Cell fate transformations to inner

cells were identified for six lines (six genes) (Table 9). These are all genes with no previous evidence for a role in asymmetric cell division.

One of the genes whose knockdown by RNAi resulted in cell fate transformation to inner cells is *capricious* (*caps*) (Fig. 10a). Transformation to inner cell fate is consistent with Notch loss of function during asymmetric cell division of the SOP and its daughters. Mutant clones of null allele $caps^{c18fs}$ caused a strong gain of bristles on the notum (Fig. 10b) and both broader delta-like veins and margin notches on the wing (Fig. 10c, see below for a description of Notch function in wing development). These are all phenotypes also consistent with Notch loss of function, confirming the RNAi phenotype and indicating that *caps* is a novel Notch pathway member.

Analysis for the requirement of gene function in multiple tissues identifies novel Notch pathway genes

To identify those genes more generally required for Notch signaling in multiple tissues and functions, we chose a group of genes that caused phenotypes resembling a defect in Notch signaling during lateral inhibition. Included in this category are transgenic lines that caused an increased number (gain) of ES organs, as well as those lines with a near complete loss of bristles, because knockdown of genes known to be involved in Notch signaling resulted in these phenotypes (Fig. 2c). In order to ask whether genes required for Notch signaling during notum development were tissue or lateral-inhibition specific, or more generally required for Notch signaling, we used a GAL4 driver line expressed in the developing wing to express the same set of IR constructs that gave us lateral inhibition phenotypes on the notum. In the wing, Notch signaling inhibits wing vein fate and restricts wing veins to their narrow, wild type width (Fig. 11d). Notch is also required for specification of the dorsal-ventral compartment boundary in the developing wing disc (Fig. 11c, blue). Notch signaling loss of function in the wing causes broader wing veins (called delta-like veins) and defects in wing margin formation (wing notching) [18] (Fig. 11e,f).

In order to identify the best screening conditions for finding genes involved in Notch signaling on the wing we carried out a pre-screen with four different GAL4 drivers expressed in the developing wing, and a set of nine RNAi lines targeting seven different genes involved in general Notch signaling and more specifically for Notch function during asymmetric cell division, plus a negative control where the driver lines were crossed to flies containing no UAS-IR construct (Table 10). Crosses were setup for each combination of driver and RNAi line at three different temperatures, 18, 25 and 29°C. We chose our panel of GAL4 driver lines in order to have drivers expressed in a small region of the wing, allowing us to score for wing margin defects and anterior cross vein phenotypes (*ptc*-GAL4), a driver expressed specifically at the developing wing margin (*C96*-GAL4), and two drivers expressed throughout the wing pouch (*Sd*-GAL4 and *MS1096*-GAL4, which is expressed more strongly on the dorsal side of the wing compared to the ventral side [19]). Three of the drivers were excluded due to problematic results with the control gene set. *ptc*-GAL4>>Notch-IR caused lethality, *C96*-GAL4>>Delta-IR caused only a weak phenotype, and *Sd*-GAL4>>Notch-IR resulted in very small wrinkled wings. *MS1096*-GAL4 crossed to the UAS-IR lines at 25°C resulted in the most consistent, strong phenotypes in both the wing veins and at the wing margin, so it was selected as the driver for the larger set of RNAi lines (Table 10).

For the secondary wing assay, we selected 219 lines (187 genes) with an ES organ phenotype consistent with lateral inhibition in the genome-wide screen. This selection was done manually, based on images from the primary screen, matching phenotypes caused by knockdown of genes known to be involved in Notch signaling. We screened 196 lines (169 genes) using the wing driver *MS1096*-GAL4 at 25°C (Table 11, Fig. 11b). Importantly, 12 lines (all eight genes) which showed an increased number of SOP cells in the live imaging assay were included in this group. Wings from at least 10 flies were visually inspected at a stereo microscope. Any wings judged to have a phenotype at first inspection were then mounted on microscope slides and imaged. All phenotypes recorded were highly reproducible from one fly to the next of a

given phenotype. Wing phenotypes were classified into multiple categories including delta-like veins, wing margin defects (Fig. 11 and 12), wings bent up/down (data not shown), ectopic bristles, necrotic spots, abnormal wing size or shape and “other” (Fig. 13 and Table 11).

A total of 38 lines (29 genes) showed phenotypes in the wing consistent with Notch loss of function (Fig. 11, 12, and Table 11). Positive control lines targeting 10 genes known to be involved in Notch signaling were included in this assay. Lines for seven of these genes gave rise to wing margin defects and/or broader wing vein phenotypes, while knockdown of the three remaining genes showed no phenotype. Therefore we have putatively identified 22 novel, generally required Notch pathway regulators.

A reporter assay separates Notch pathway genes into upstream and downstream of *Su(H)* transcription

In order to activate target gene transcription, the Notch signaling pathway requires many cellular processes, including extracellular modification, trafficking, proteolytic cleavage, nuclear import, and relief of transcriptional repression. To test where each gene acts in the Notch signaling pathway, that is whether these genes are upstream of activation of *Su(H)* transcription, or rather act downstream or in parallel as targets and effectors, we used a previously characterized [20] artificial reporter construct for Notch transcriptional activity in the developing wing disc to probe the regulation of Notch transcriptional activity when each of the genes identified as general regulators of Notch signaling was knocked down by RNAi. This reporter contains *Su(H)* binding sites and a grainy head enhancer, resulting in lacZ expression specifically in the future wing margin (dorsal/ventral boundary) in the developing wing disc (Fig. 11c,d, blue. We used *ptc*-GAL4 to drive UAS-IR expression at the anterior-posterior boundary in the wing disc (Fig. 11c, red), intersecting the lacZ reporter perpendicularly. Any gene whose knockdown causes suppression of *Notch/Su(H)* transcription in this assay would result in loss of reporter signal at the intersection and must act upstream of *Su(H).* In this assay we tested 37 transgenic lines (29 genes) that each showed wing

vein and margin phenotypes in the *MS1096*-GAL4 screen (Table 12). 11 lines (eight genes) resulted in a "gap" in lacZ expression, including five lines (three genes) targeting known Notch pathway members (e.g. *Notch* and *mib1*, Fig. 11e,f) and six lines targeting five novel or unexpected genes (Fig. 11g-k). These genes are putative novel Notch pathway components upstream of *Su(H)* transcription.

Integration of genome-wide data sets reveals a protein interaction network governing Notch signaling and asymmetric cell division and identifies novel roles for previously characterized proteins

The secondary assays we carried out refined our primary bristle screen data and identified novel genes required in the process of asymmetric cell division, and more generally for Notch signaling. In order to comprehensively understand these pathways, another challenge would be to identify novel protein complexes acting in them and to assemble a comprehensive protein-protein network to explain how Notch signaling works. Although high throughput yeast two hybrid (Y2H) screens have identified thousands of protein-protein interactions for various species, a large problem with the current datasets is the relatively high number of false positives this system produces [21]. To increase the confidence of the huge amount of interaction data, genome wide functional results should be simultaneously integrated. Until now, genome-wide functional data has not been available for multi-cellular developmental processes and pathways.

To this end we integrated our genome-wide RNAi primary screen data set with existing information (both genetic and physical interactions, including Y2H genome-wide data sets (see methods)) and generated a comprehensive, functionally validated protein-protein network governing Notch signaling, and one of the biological processes it acts upon, asymmetric cell division, during development of the *Drosophila* notum. Genes were selected based on their primary bristle screen phenotype. Included were all genes that caused empty or multiple sockets, hair cell duplication, strong loss of bristles (with a score greater than or equal to seven), and gain of bristles (when included in the

lateral inhibition group), as well as a set of positive control genes known to play roles in Notch signaling and asymmetric cell division (regardless of the primary screen associated with their knockdown). The resulting table of interactions was used to create a network map governing Notch and asymmetric cell division pathways (Fig. 14). Genes are shown as nodes, and relationships between nodes as edges. The network contains 170 nodes (129 putative novel genes and 41 positive control genes) and 754 edges. The network consists of one large network and two small groups with one or two nodes (Fig. 14). We also generated a view of the network based on the known or predicted subcellular localization for each gene (Fig. 15). In this traditional pathway diagram style, the nodes for each gene are grouped by subcellular localization into layers, allowing visualization of potential signaling cascades and where individual genes may act to cause the loss of function phenotypes we observed. Detailed, interactive Cytoscape files are available for download on our website (http://bristlescreen.imba.oeaw.ac.at).

Networks are composed of subnetwork pathway modules or complexes. To identify such highly interconnected regions or clusters within the network, we used the Molecular Complex Detection (MCODE) algorithm [22]. A total of 12 complexes were identified within the network including positive control clusters with members of the Notch signaling pathway (complex one) and asymmetric cell division (complex six) (Fig. 14, 16, 17a,d). We further investigated two of the novel complexes we identified.

Nuclear import genes and the COP9 signalosome regulate Notch signaling and asymmetric cell division

MCODE-identified complex nine contains the nuclear import/export factors *dCAS* and *Karyopherin α3* (*Kap-α3, CG9423*) (Fig. 17a). Although not included in the MCODE-derived complex, the nuclear pore components *Nup358* and *CG2158*, which InParanoid [23] predicts is the fly ortholog of mouse *nucleoporin 50* (*Nup50*), are also included in the interaction map, and the nodes for *Kap-α3* and *CG2158* are directly linked (Fig. 14, 15). While *dCAS* knockdown was lethal in our screen, knockdown of *Kap-α3*, *Nup358*

and *CG2158* caused cell fate transformations with too many outer cells (Fig. 17b,b', Table 2 and data not shown), similar to *dCAS* hypomorphic mutants [24]. We obtained previously characterized mutants for *Kap-α3*, generated clones in mitotic cells on the developing notum using the FLP/FRT recombination system, and observed that mutants give rise to the same multiple socket phenotype as RNAi knockdown (Fig. 17c,c').

MCODE-derived complex three contains six subunits of the COP9 signalosome (CSN) protein complex, knockdown of any of which results in a cell fate transformation to two hairs and two sockets (Fig. 17e,f and 18a-e). We obtained three mutants for two different complex members and generated mutant clones on the notum. Clones mutant for the alleles $CSN4^{null}$ (Fig. 17g), $CSN5^{null}$ (Fig. 17h) and $CSN5^{quo-1}$ (data not shown) showed the same phenotype as CSN knockdown in the primary bristle screen. $CSN4^{null}$ mutant clones on the wing also have increased numbers of wing margin bristles indicative of altered Notch signaling (Fig. 18f).

Discussion

Genome-wide transgenic RNAi screens

Here we report the first genome-wide transgenic RNAi screen for multi-cellular developmental pathways. We use the *Drosophila* notum as a model and focus on ES organ development to increase our understanding of the Notch signaling pathway and one of the biological processes it regulates, asymmetric cell division. We identified many new genes involved in these processes, and have therefore demonstrated that we can successfully use transgenic RNAi on a large scale to identify novel components of multi-cellular signaling pathways.

The technique we have used to induce RNAi has its inherent advantages and disadvantages. Advantages of the system include the ability to knockdown gene expression in a temporally and spatially restricted manner. This allows us to avoid early lethality caused by ubiquitous knockdown. In fact, using *pnr-*

GAL4 we observed a lethality rate of approximately 9%, much lower than the 32% lethality reported for the ubiquitously expressed *Act5C*-GAL4 [6]. Some advantages of RNAi screens over traditional mutagenesis screens are that transgenic RNAi is not biased by the size of the gene of interest nor is it restricted to cells that are clonally related, which is the case for mosaic FLP/FRT screening strategies. Additionally, gene loci that are located close to centromeric regions cannot easily be found using such mosaic systems in *Drosophila*. As in any screening strategy, there are also disadvantages. Important genes will be missed due to their absence in the UAS-IR collection, because of false negative results, or because of technical complications such as lethality that arises at a time point earlier than the analysis takes place. Such false negatives, as well as false positives, can arise for many reasons. First, because the transgenes containing the UAS-IR constructs are randomly inserted throughout the genome there may be some insertion sites that express at insufficient levels to induce the desired knockdown effect. Second, the IR constructs may not be processed efficiently, leading to low efficiency of target knockdown, or may target other genes due to sequence similarity, causing false positives. Finally, the endogenous locus where the transgene is inserted may be overexpressed together with the UAS-IR, also generating a false positive result. We calculated the false negative rate of our screen at between 24 and 29%. This is lower than published estimates for the same collection of transgenic lines (about 40%), using a ubiquitous *Act5C*-GAL4 driver [6]. Therefore, identifying good tissue-specific GAL4 drivers may reduce the rate of false negative results. Using a set of UAS-IR lines targeting genes whose adult phenotype (or lack thereof) has been previously characterized, we calculated that the false positive rate of our screen is less than 10%. It is interesting to note that, using a collection of non-library UAS-IR transgenic lines to see the percentage of phenotypes that could be reproduced, we only confirmed 64% of our primary hits. This is likely to be an underestimate of the reproducibility because we can also expect that the newly created and NIG-FLY transgenic lines have a false negative rate associated with them. Because one potential source of false positives is based on random insertion site variability, ideally the RNAi lines would be constructed with at least two independent insertions of each UAS-IR construct, or in such a way that each

IR is expressed to equally-high levels. With this in mind, we used site-specific integration methods to generate the new custom lines, but this is a very small percentage of the lines studied here (Table 5). A larger set of site-specific integrated transgenic lines might give us a better estimate of reproducibility. Recent evidence shows, however, that using this technique for UAS-IR transgenics may not be the best solution, as there may not be one integration site that is the best for all genes and with all drivers [25 26].

Other technical issues can prevent analysis with a non-overlapping UAS-IR construct, especially for genes with very short coding sequences where it is not possible to generate an independent UAS-IR line with non-overlapping sequences. Ultimately, the best way to validate results from RNAi knockdown screens is to examine mutants in the genes identified. One caveat for this is that RNAi knockdown likely results in hypomorphic gene function rather than total null phenotypes, so in some cases complete null mutant alleles may not replicate the RNAi phenotypes. We tested mutant alleles for four genes, *caps*, *Kap-α3*, *CSN4* and *CSN5*. In each case, mutant clones had the same phenotypes as RNAi knockdown in our screen.

New asymmetric cell division genes

While the mechanisms for cell fate determinant localization have been well studied in recent years, open questions still remain. Current models for cell fate determinant localization show that complex interactions link cell cycle genes and mitotic kinases, such as Polo and Aurora A kinases, to the establishment of spatially distinct cortical domains and asymmetric protein segregation [9 10]. However, the mechanisms governing establishment of intrinsic polarity are not entirely understood. In the *C. elegans* one-cell embryo, initial polarization or symmetry breaking is achieved by entry of the sperm through signaling by small GTPases leading to changes in the actomyosin network and centrosome-mediated microtubule nucleation [9]. This initial asymmetry in the cell cortex is translated into polarized protein domain formation by the Par proteins. Much of what we know about asymmetric

protein localization in *Drosophila* comes from studies in embryonic neuroblasts. In delaminating neuroblasts, apical-basal polarity is thought to be inherited from the overlying neurectoderm [9 10], but the identity of genes acting upstream to localize par protein complexes in second and subsequent divisions is unclear. Basal determinant localization is dependent on the functions of the Par protein complex and on the protein Lgl [9 10]. The precise mechanism that localizes and segregates basal determinants is still not clear, but actin and Myosin II (Zipper) [27] and Myosin VI (Jaguar) [28] have been implicated. Live imaging experiments in SOP cells have shown that GFP fusions to Numb and Pon rapidly exchange between the cytoplasm and the cortex, which suggests that their asymmetric accumulation is due to selective stabilization on the anterior cortex [17]. Such a stabilization factor has not yet been identified. In addition, once cell fate determinants are asymmetrically localized it is unclear what genes are responsible for maintaining, or anchoring them to the cortex.

To identify novel factors involved in cell fate determinant localization, we developed a live time-lapse cell imaging assay to check whether any of the asymmetric cell division phenotypes identified in our genome-wide RNAi bristle screen were due to defects in asymmetric protein localization, and identified three novel factors in this process: *san*, *APC4* and *CG6954*. Interestingly, two of the genes, *san* and *APC4* both have phenotypes not in establishment of asymmetry, but in its maintenance. The third gene, *CG6954* showed defects in asymmetry establishment, and in coordination of the mitotic spindle with the axis of intrinsic polarity. To date, none of these phenotypes have been confirmed by mutant analysis, nor has a detailed characterization of the molecular nature of the phenotypes been carried out. Lineage analysis by antibody staining should confirm whether cell fate transformations are present, and whether changes occur in the localization of the endogenous cell fate determinant Numb and other asymmetric cell division machinery factors. Still, it is interesting to speculate about the putative novel genes and how their loss of function may result in phenotypes in asymmetric cell division.

The *separation anxiety* (*san*) locus encodes a 184 amino acid, 18 kDa N-acetyltransferase enzyme [29]. N-terminal acetylation is an enzyme-catalyzed reaction where an acetyl group is co-translationally (in eukaryotes) transferred from acetyl-CoA to the α-amino group of the target protein. N-terminal acetylation is one of the most common protein modifications in eukaryotes, and 80-90% of cytosolic mammalian proteins are N-acetylated [30]. In invertebrates, protein acetylation is less well characterized and N-terminal acetylation might be rare compared to mammals. Some proteins require acetylation for their function, and sometimes loss of acetylation can alter a protein's stability, kinetics or ability to form protein complexes [30]. *san* is conserved, from plants to vertebrates, with 75% identity at the amino acid level between the *Drosophila* and human proteins [29]. Recombinant human san shows acetyltransferase activity *in vitro* and is capable of acetylating chromosome-associated proteins [31].

Strong hypomorphic and null mutant alleles of *Drosophila san* have been described [29]. Homozygous *san* mutants die in late larval or pupal stages and their larval brain neuroblast cells are mitotically delayed or arrested in metaphase due to activation of the spindle checkpoint. Brains from larvae with the strongest *san* allelic combinations have low mitotic indexes due to extensive cell death by apoptosis. While the current *Drosophila* studies were carried out in asymmetrically dividing larval brain neuroblasts, the authors did not report on how cell fate determinants localize in *san* mutants. Mutations in *san* result in defects in establishment of centromeric sister chromatid cohesion in S phase, due to a separase-independent defect in loading/maintaining the cohesion subunit Scc1/Rad21 in centromeric regions, leading to premature sister chromatid separation beginning at prometaphase [29]. Overcondensed chromatids, consistent with mitotic delay and lagging chromosomes and chromatin bridges in anaphase/telophase are observed, but these defects are not due to spindle apparatus problems as centrosomes and spindle microtubules are morphologically normal in *san* mutants [29]. It is important to note, however, that *san*-siRNA treated HeLa cells have multipolar spindles [31]. Immunofluorescence studies indicate that in *Drosophila* larval

brain cells, *san* localizes to the cytoplasm in interphase, throughout the cell in a punctate pattern upon entry into mitosis, and then uniformly throughout the cells in metaphase through telophase [29].

Loss of function studies for *san* in mammalian cultured cells indicates that its function in centromeric cohesion establishment is conserved [31]. The same study showed that *san* expression levels are constant throughout the cell cycle in HeLa cells, and that san is cytoplasmic throughout the cell cycle but, different from *Drosophila* neuroblasts, is excluded from chromosomes in metaphase and anaphase. It is unlikely that mammalian *san* plays a direct role in the establishment of sister chromatid cohesion in interphase because it is excluded from the nucleus in interphase cells [31]. It has been hypothesized that san modifies a cohesion establishment factor in the cytoplasm that translocates to the nucleus in interphase cells [31].

Live imaging of our EGFP::Pon.LD reporter during *san* knockdown on the notum resulted in significantly prolonged mitosis, consistent with its characterized mutant phenotype. Further live imaging experiments with markers for the cell cycle stages, DNA and spindle orientation, and a thorough examination of how endogenous cell fate determinants and other players in asymmetric cell division are localized in fixed tissue will be necessary to understand the *san* loss of function phenotypes we observe. It is unclear whether any of the proteins in the cell fate determinant localization machinery is modified by acetylation, or whether/how such a modification might affect their function. Targets of *san* are difficult to predict bioinformatically because there are no simple consensus motifs for eukaryotic protein N-acetylation and definitive targets of an acetyltransferase cannot be easily predicted based on the primary amino acid sequence [30].

The Anaphase Promoting Complex/Cyclosome (APC/C) subunit four (APC4) is a highly conserved WD-40 and WD-40-like repeat containing protein. APC4 forms part of the APC/C, an E3 ubiquitin protein ligase that is best studied for its role in regulation of the mitotic cell cycle, controlling the G2 to M transition, initiating anaphase by regulating sister chromatid separation, and controlling

cytokinesis and exit from mitosis, including setting up the next round of DNA synthesis [32]. The APC/C inactivates its targets by assembling polyubiquitin chains on its substrate proteins, targeting them for destruction by the 26S proteasome. Note that this can also lead to activation of an effector when its inhibitor protein is degraded through the action of the APC/C. APC/C is a multi protein complex containing at least 12 subunits and knockdown of four other subunits (*APC2*, *APC6*, *APC10* and *cdh1*) in addition to APC4 cause potential asymmetric cell division bristles phenotypes (Table 13). There are no mutants for *APC4* in flies, but many mutations are available for other subunits of the APC/C. The IR construct targeting *APC4* potentially off-targets several other genes, but has no poly CAN repeats. Some potential off targets that also show interesting/overlapping bristle screen phenotypes include *CG6205*, *CG7583*, and *CG10375*.

The APC/C has been implicated in intrinsic cell polarity and asymmetric cell division in *C. elegans* [33]. Hypomorphic mutations at *polarity and osmotic defective* (*pod*) loci result in disrupted anterior-posterior polarity, cortical symmetric PAR-3 localization, and loss of PAR-2 from the cortex and symmetric cell division. Five *pod* loci encode subunits for the APC/C (APC1, APC3, APC4, APC6 and APC8). Subsequent experiments revealed that APC/C polarizes the embryo via its role as a ubiquitin ligase, using the activator cdc20 (but not cdh1) and the downstream effector protease separin. Separin loss of function in one-cell *C. elegans* embryos results in poor association of the paternal pronucleus (and therefore the centrosome) with the actin-rich embryonic cortex. The authors proposed a model that loss of this tight association leads to loss of polarity because the centrosome is no longer able to displace the PAR-3/PAR-6/PKC-3 complex from the cortex at the posterior pole, preventing posterior cortical association of PAR-2 [33].

A connection between the APC/C and asymmetric protein localization in *Drosophila* was first identified in a screen for Miranda mislocalization in third instar larval neuroblasts [34,35]. Mutants in *imaginal discs arrested* (*ida*, *APC5*) caused mislocalization of Miranda (together with its binding partners Staufen, Prospero and Brat) to the pericentrosomal region, and a smaller overall brain

size, due to a strong underproliferation defect in the brain. This was accompanied by a high mitotic index with cells arrested at the metaphase to anaphase transition. Pericentrosomal Miranda localization was observed for mutant alleles of *cdc27* and *morula* (*APC2*), but not for the APC/C activators *cdc20* or *cdh1*. Mutants in the centrosome core component *centrosomin* (*cnn*) display normal Miranda localization, while *ida*, *cnn* double mutants still accumulate peri-centrosomal Miranda, indicating that the *ida* mutant phenotype is not dependent on intact centrosomes [35]. The *ida* mutant phenotype is also not dependent on the mitotic spindle, nor on intact actin filaments because colchicine or latrunculin treatment in an *ida* mutant background still results in Miranda mislocalization and accumulation. Colchicine treatment does, however, change the compartment for Miranda accumulation, to a region separate from the centrosome region. *APC5/ida* is not required for Pon or Numb localization or for localization of the apical proteins Insc, Pins, and aPKC in third instar larval neuroblasts. Therefore the APC/C functions downstream or in parallel of the apical components. Removing one copy of *lethal (2) giant larvae* (*lgl*) had no affect, but removing one copy of *miranda* strongly suppressed the Miranda mislocalization phenotype, suggesting that Lgl is not an effector of the APC/C, but that Miranda might be a target [35]. Miranda is (likely mono-) ubiquitinated *in vivo* and in S2 cells at the carboxy-terminus, but it has not been shown that ubiquitination is APC/C-dependent. Furthermore, inability to ubiquitinate Miranda causes only an incomplete loss of its localization. It is unlikely that ubiquitination targets Miranda for degradation because proteasome mutants have different phenotypes [35].

Our time-lapse microscopy data is in contrast to the published *ida* mutant phenotype on Miranda localization. First, we observe a defect in Pon reporter localization, while in *ida* mutants, both endogenous Pon and Numb localization are unaffected in metaphase cells that show Miranda localization defects [35]. However, the *ida* studies were carried out in fixed tissue in larval brains where a high percentage of the cells were arrested in a metaphase-like state. Indeed, we only begin to observe reporter mislocalization after a long mitotic delay, near anaphase onset. It is possible that Numb may also be

mislocalized in the rarely-observed anaphase and telophase *ida* mutant neuroblasts, but this seems not to have been tested. We do not yet know which, if any endogenous cell fate determinants or their adaptors are mislocalized in *APC4* loss of function SOP cells. Miranda is expressed in SOP cells, but its function there is not known [9] [10]. Interestingly, two of the four isoforms of mouse Numb can be ubiquitinated, leading to their degradation, by the mouse Ligand of Numb protein X (LNX1), a Numb PTB-binding molecule that is a RING finger-type E3 ubiquitin ligase [36]. LNX may not be conserved in *Drosophila*, and no studies of *Drosophila* Numb ubiquitination status have been reported.

It is interesting that knockdown of two genes that both function in mitotic sister chromatid cohesion, *san* and *APC4*, cause similar phenotypes for EGFP::Pon.LD localization in our screen. It is important to note, however, that they function in opposite directions. *san* loss of function results in premature or loss of cohesion [29], while *APC/C* loss of function results in a delay or failure to separate sister chromatids [32]. Therefore sister chromatid cohesion and asymmetric protein localization may not necessarily be mechanistically linked. Loss of function for both genes cause cells to arrest at similar stages of mitosis. However, at least for Miranda localization in larval neuroblasts, the *ida* mutant phenotype seems not to be a secondary consequence of a delay or block in mitosis defects because Miranda is localized normally in both colchicine treatment of wild type neuroblasts and strong hypomorphic alleles of *polo*, which give rise to similar mitotic defects [35].

The *CG6954* gene locus is predicted to encode a 1638 amino acid protein with many stretches of low complexity, protein-protein interaction Ankyrin motifs, Fibronectin type III domains (FN3), and a carboxy-terminal Ras association (RA) domain (Fig. 9). FN3 modules were first identified in fibronectin, a large extracellular matrix protein, where they mediate protein-protein interactions with cell surface molecules, heparin binding and matrix assembly. They often occur in variable length tandem arrays in both extracellular and intracellular proteins [37]. Most proteins with RA domains bind to the small GTPase Ras in a GTP-dependent manner, although they may

also bind small GTPases other than Ras [38]. As RasGTP effectors, proteins with RA domains stimulate GDP dissociation from small GTPases, leading to GTP binding and subsequent GTPase activation. Ras family proteins have many functions, including the regulation of integrin activation, which in turn, modulates cell adhesion to extracellular matrix proteins [8]. The intracellular domain of Notch has been shown, in mammalian vascular endothelial cells, to activate R-Ras independent of the mammalian orthologs of Su(H). R-Ras activation reverses the H-Ras mediated suppression of integrin affinity [8].

CG6954 appears to be conserved in most eukaryotes from invertebrates to humans, but not in fungi. InParanoid [23] predicts that the human ortholog is *ANKFN1-201* (Ensembl gene ID ENSG00000153930). However, orthologs contain only ankyrin and FN3 domains, the RA domain is not conserved. Yeast-2-hybrid screens [39] indicate that the protein encoded by *CG6954* may interact with the serendipity locus alpha domain-containing protein CG8247. InterPro predicts that only three genes in the *Drosophila melanogaster* genome contain Serendipity locus alpha domains including *serendipity alpha* (*sry* α) itself. The sry α protein plays an important role in plasma membrane invagination during cellularization of the syncytial blastoderm embryo, where it colocalizes with F-actin and regulates the cytoskeleton [40].

Based on its predicted FN3 and Ankyrin domains, CG6954 may mediate protein-protein interactions in a subdomain at the cell surface. An extracellular cue that helps establish affinity of the cell fate determinants for a region of the cortex could help explain asymmetric protein accumulation or re-establishment of Par protein polarity in each round of asymmetric cell division. It is also tempting to speculate that CG6954, on the basis of its putative physical interaction with a cytoskeleton modifying protein, and of its RA domain, which may bind to any number of small GTPases, could act as a modifier of actomyosin networks within the cell. Since regulation of actomyosin contractility is important for polarity establishment, and Myosin activity [9] and an intact cytoskeleton are important for asymmetric protein localization, it would be interesting to test whether a link between these

processes and CG6954 exists. The putative spindle orientation defects we observed during live cell imaging indicate that CG6954 may function as a new member of the protein complexes that link intrinsic polarity to spindle orientation. In the future, analysis of the biochemical properties, expression patterns and dynamic subcellular localization of CG6954 may reveal more about its functions during asymmetric cell division.

Lineage analysis for genes whose knockdown had no effect on EGFP::Pon.LD localization identified six novel genes in the asymmetric cell division pathway: *capricious* (*caps*), *Hexokinase-C* (*Hex-C*), and four uncharacterized genes *CG2183*, *CG3875*, *CG9249* and *CG16908*. Knockdown of each of these genes caused cell fate transformations to inner cell (neuron and sheath) fate. This kind of cell fate transformation is consistent with a down regulation of Notch signaling during asymmetric cell division of the SOP and its daughters. Interestingly, knockdown of these genes in the wing with *MS1096*-GAL4 did not result in Notch loss of function phenotypes (data not shown). It is therefore tempting to speculate that the genes play roles in Notch signaling specifically during asymmetric cell division (as is the case for *numb*, for example), or in some aspect of asymmetric cell division that is independent of Notch. Alternatively, the assay in the wing may be less sensitive for identifying Notch pathway members than the notum assay for ES organ phenotypes. In fact, one of these genes, *caps*, almost certainly plays a general role in Notch signaling because mutant clones of *caps* cause lateral inhibition defects, wing margin notches and broad delta-like wing veins (Fig. 10b,c). Interestingly, *caps* was also identified in a large scale screen of P element-mediated insertional mutagenesis alleles for (albeit subtle) quantitative changes in bristle number [41]. Caps is a single pass transmembrane protein containing LRR repeats in the extracellular domain (Fig. 10d), and has been previously studied for its role in neuromuscular synapse formation [42,43], axon targeting [44], tracheal morphogenesis [45], and compartment boundary formation [46,47], among other things. As a transmembrane protein, caps is thought to mediate cell-cell adhesion in some systems [44], and it is tempting to speculate that it may play a role in holding the signal sending and signal receiving cells together, strengthening the region of

contact for Notch and its ligands. Determining the molecular mechanism of *caps* function in Notch signaling and asymmetric cell division will be an important future project.

New Notch signaling pathway genes

In an effort to identify genes whose knockdown caused Notch pathway loss of function phenotypes in multiple developmental contexts, we re-screened all genes in the wing whose knockdown caused Notch loss of function in notum development, evidenced either by lateral inhibition defects causing a gain of bristles in patchy clusters, or asymmetric cell division defects causing a loss of bristles. Notch gain of function phenotypes, including cell fate transformations to multiple outer cells and no SOP cell genes are another potentially interesting source of information for understanding Notch signaling.

In total, we identified 38 lines, targeting 29 genes that caused wing margin notching and broad delta-like veins when crossed to *MS1096*-GAL4. Of these, 22 are novel genes not previously described as members of the Notch signaling pathway, and the remaining seven are positive control genes (Table 11). Sixteen lines targeting 10 genes known to be involved in Notch signaling gave rise to lateral inhibition phenotypes on the notum and were included in the wing assay. Lines for four of those genes failed to cause Notch loss of function-like wing margin or wing vein phenotypes when crossed to *MS1096*-GAL4 (Table 11). Two additional lines caused only wing vein, but not wing margin defects. This might indicate that the wing assay is less sensitive than the notum assay, likely due to differences in strength and/or timing of IR expression by the two GAL4 drivers. Differences between stabilities of individual proteins may also cause a given IR to function more efficiently than another, giving rise to false negatives. Proteins with a long half-life may require more time for RNAi-mediated rundown of the gene product than genes with a relatively shorter half-life. Therefore, it is important to note that the wing assay can be used to confirm that a gene is involved in general Notch signaling, but it should not be used to exclude genes from this pathway.

In the *MS1096*-GAL4 wing screen, we observed many phenotypes, not only related to Notch signaling defects. Those genes whose knockdown in the wing did not result in Notch loss of function phenotypes may be specific to the functions of Notch signaling during lateral inhibition or asymmetric cell division, or they may be false positive results. For example, apparent gain of bristle phenotypes may be explained if notum malformation phenotypes arose that resulted, through no action of the Notch pathway, in closer bristle spacing. Surprisingly, very many lines exhibited a bent-up (spoon-shaped) wing phenotype, which suggests that the dorsal wing blade is smaller than the ventral wing blade. *MS1096*-GAL4 is more strongly expressed in the dorsal wing blade than on the ventral side [19], and therefore a large number of genes may be required for survival and/or proliferation control in the developing wing. Consistent with this idea, knockdown of many of the lines selected for testing in this assay gave rise to, in addition to a lateral-inhibition ES organ phenotype, a notum malformation phenotype where the region of the notum where the knockdown occurred was smaller than normal (i.e. in the cell death category). In fact, the group of genes with a spoon wing phenotype has a higher average value for notum malformation than the group without spoon-shaped wing (data not shown).

In order to characterize where the novel genes we identified might function in the Notch signaling pathway, we used a lacZ reporter for Su(H) transcriptional activity to test whether a given gene acts upstream of Su(H) transcription or downstream/in parallel. Lines with UAS-IRs targeting each of the 29 genes that were hits in the *MS1096*-GAL4 wing assay were tested to see whether their expression caused down regulation of the lacZ reporter. Knockdown of eight genes (11 lines) scored positive in this assay, including knockdown of three positive control genes, *Notch*, *mib1* and *O-fut1* (Fig. 11e,f and Table 12). Knockdown of five novel genes, *CG5608*, *CG8021*, *CG8136*, *CG11053*, and *CG112856*, also scored positive (Fig. 11g-k) and must therefore function upstream of Su(H) transcription. The remaining genes with no phenotype in this assay likely function in Notch pathway regulation as targets downstream or in parallel to Su(H) activity. Alternatively, differences in sensitivity between the various Notch signaling assays, or a specialized function or redundancy

for a gene's action at the dorsal/ventral compartment boundary in the wing disc could result in false negative results. Just like in the *MS1096*-GAL4 assay, some positive control genes which are known to act upstream of Su(H) (including the Notch ligand *Dl*) scored negative in this assay, indicating that it may not be sensitive enough to uncover all genes acting upstream of Su(H). Therefore, we can only use our reporter assay to positively identify a role for a gene upstream of Su(H), but we can not exclude that other genes whose knockdown did not cause down regulation of the reporter might also function as upstream factors.

One novel Notch pathway gene identified in this screen is an uncharacterized *Drosophila* gene, *CG5608* (Fig. 11g). InParanoid [23] predicts that *CG5608* is the fly ortholog of *S. cerevisiae Vac14*, a HEAT domain-containing protein (Fig. 19a) that is conserved from yeast to humans. We know that knockdown of this gene results in general defects in Notch signaling because knockdown during lateral inhibition on the notum with *pnr*-GAL4 results in a gain of bristles phenotype, knockdown in the wing with *MS1096*-GAL4 causes both broader, delta-like veins and a notched wing margin, and we know that it acts upstream of *Su(H)* transcription because knockdown in our reporter assay results in shutdown of *Su(H)*-driven lacZ expression (Fig. 11g). A single UAS-IR transgenic line exists in the library collection. It has no predicted off-target genes. Unfortunately, the NIG-FLY line targeting *CG5608* failed to reproduce the bristle phenotype. This may simply be a false negative result.

Vac14 is part of a complex that regulates the activity of the phosphatidylinositol-3-phosphate (PI(3)P) 5-kinase *Fab1/PIKfyve*, the kinase that makes $PI(3,5)P_2$ and is important for vacuole homeostasis and membrane trafficking through multi vesicular bodies [48]. Loss of the mouse ortholog of *Vac14* results in neurodegeneration, particularly in the midbrain and peripheral sensory neurons [49]. In these mutants, membrane trafficking pathways are disrupted, especially endosome-to-TGN retrograde trafficking. *Drosophila Vac14* has not been studied and mutations in the protein have not been described. *Fab1*, however, has been shown to control trafficking of endocytosed receptors including Notch in *Drosophila* [48]. *Fab1* mutant cell

clones accumulate Notch (and the Notch ligand Delta) in a similar manner to mutants in other endosomal sorting machinery components, *Hrs, Vps25* and *Tsg101*. However, *Fab1* loss of function does not lead to *Notch* loss of function, and is therefore not required for Notch signaling [48]. We speculate that *CG5608* is therefore required for endocytic trafficking of Notch signaling components (Fig. 19b). Whether this trafficking is required for delivery of Notch to the membrane, endocytosis and recycling of the receptor, or for its translocation to the nucleus following activation remains to be determined. Alternatively, *CG5608* might act on the Notch ligands in the signal-sending cell to influence their surface expression and/or activity.

A functionally validated gene network for Notch signaling and asymmetric cell division

We have integrated our genome-wide functional data set with Y2H-based protein-protein interaction data and other sources of genetic and physical interactions to assemble a network governing Notch signaling and asymmetric cell division. All genes whose knockdown caused lateral inhibition or asymmetric cell division defects in the primary bristle screen, and that had an interaction with at least one other gene of the same set were included in the network. Whereas the secondary screen in the wing focused on identifying positive regulators of Notch signaling (whose knockdown causes Notch loss of function phenotypes), the interaction network also contains genes whose phenotypes cause putative Notch gain of function phenotypes: cell fate transformations with too many outer cells, and lateral inhibition defects that caused fewer SOP cells to be specified. Also note that in order to be as comprehensive as possible, genes whose knockdown caused phenotypes of all (non-zero) strengths are included in the map, regardless of the results in other assays. This means that the sensitivity of the primary screen assay and the limitations of the transgenic UAS-IR collection we used were the limiting factors for gene identification rather than biological sensitivity issues that may affect our secondary assays in tissues other than the notum. With three times as many novel genes included in the network compared to control genes, this

analysis has greatly expanded our knowledge base for how Notch pathway regulation might function.

Using different bioinformatics tools we were able to design layouts of the network to show how putative signaling cascades might function, and to identify highly interconnected gene subnetworks. The interactions within each subnetwork provide hypotheses for the regulatory and signaling interactions that control Notch signaling and give rise to the phenotypes observed in our screen. Because we use both physical and genetic interactions in our network, different subnetwork clusters might mean different things. A group of genes heavily connected by physical interactions, like the cluster of nuclear import factors, may well function together as protein complexes, while genes in a group linked mainly by many genetic interactions, such as the Notch signaling cluster, may be localized in completely separate subcellular compartments but function in the same signal transduction pathway. We used the MCODE algorithm to analyze our network and identified 12 subnetwork clusters of genes.

The network helps us choose interesting candidate genes and make hypotheses about their role in the biological processes we are interested in studying. One way to do this is based on their proximity to positive control genes. For example, knockdown of *CG2158*, a putative nuclear pore component based on orthology searches, caused cell fate transformations to too many outer cells, similar to that observed for known nuclear import/export factors. The nuclear import/export associated genes, including *CG2158*, the nucleoporin *Nup358*, the importin α *Kap-α3*, the importin β *moleskin* (*msk*), the nuclear lamin *Lam* and d*CAS* are connected to each other and directly connected to the positive control genes *Su(H)*, *sens*, *cdc2*, *betaTub60D*, *tws*, *numb*, and one node more distantly, via *CG34401* to *neur*. Such a high degree of connectivity to genes known to play roles in Notch signaling makes this cluster very interesting. We can also use the network map to increase our confidence that our RNAi screen results are not false positives when multiple members of the same physical protein complex cause the same phenotype.

For example, knockdown of any one of six COP 9 signalosome (CSN) subunits resulted in similar cell fate transformation phenotypes. The probability that lines targeting six genes of diverse sequence all cause the same false positive phenotype is very small and therefore our confidence and interest in this cluster was greatly increased. We decided to follow up on these two subnetwork clusters and examine whether mutant alleles in some of their members reproduced the RNAi phenotypes observed on the notum.

Knockdown of *Kap-α3* caused a cell fate transformation to make ES organs with multiple sockets, a phenotype that was re-capitulated with mutant alleles of the gene (Fig. 17b,c). *Kap-α3* is a member of the highly conserved importin α family. Proteins with a nuclear localization signal (NLS) require importin α proteins as adaptors for binding to importin β family members and subsequent nuclear import [50]. *dCAS* is the *Drosophila* ortholog of *CAS* (cellular apoptosis susceptibility factor), the importin β-like export receptor for importin α, and is required for importin α protein recycling back to the cytoplasm. Loss of function mutants in *dCAS* cause multiple socket asymmetric cell division defects in SOP cells, indicative of a Notch gain of function [24], but the critical component of the Notch pathway whose altered nuclear transport caused the *dCAS* phenotype has not been identified. Our data clearly strengthen the long held idea that one or more components of the Notch signaling pathway are sensitive to changes in protein translocation between the cytoplasm and the nucleus.

Knockdown of six COP9 signalosome (CSN) subunits resulted in cell fate transformations with two hair and two socket cells (Fig. 17e,f and 18a-e). Mutant alleles for *CSN4* and *CSN5* confirmed the RNAi phenotypes (Fig. 17g,h). The CSN is an evolutionarily conserved eight subunit protein complex, one of whose roles is to remove the covalently attached post-translational modification neddylation from the Cullin-RING class of E3 ubiquitin ligases [51]. CSN inactivation reduces the activity and is required for the stability of the Cullin-RING ligases [51]. Cullins have been implicated in ubiquitination of protein targets for at least two signaling pathways, Hedgehog [52 53], and Wnt

[54], while the CSN is known to regulate NF-κB activity [55]. So far, no direct evidence exists to show that the CSN regulates Notch signaling or asymmetric cell division. We knocked down five of the six *Drosophila* Cullins in our screen. Four of the genes were lethal or caused strong notum malformation due to cell death (Table 2), so we cannot immediately predict which of the Cullins are involved in Notch signaling and asymmetric cell division (or even if the CSN loss of function phenotypes are Cullin-dependent) based on our primary screen data. However, it was reported that mutations in *dCul-3* result in a strong gain of bristle phenotype [53], suggesting that the CSN phenotype we observe might be due to loss of activity or stability of *dCul-3*. Mechanistically, it is interesting to note that, during *C. elegans* embryonic development, the germ line-specific RNA binding protein PIE-1 is segregated asymmetrically to the future germ line cells in an incomplete manner. In the somatic cell lineage, PIE-1 protein is unstable because a Cullin-2-based E3 ligase acts specifically in somatic cells to degrade PIE-1 and other germ plasm components [56]. Altered protein stability between daughter cells is therefore another mechanism of establishing asymmetric cell fate and a similar mechanism operating in SOP cell daughters might explain the phenotypes we observe. The COP9 signalosome is also a regulator of protein phosphorylation [57] and alternatively, the phenotypes we observe could be due to this or some other action of the CSN.

In summary, here we report the first transgenic, tissue-specific genome-wide functional screen for developmental processes and signaling pathways in a multi-cellular tissue. We assigned putative functions during notum development to approximately 20% of the *Drosophila melanogaster* genome and classify those functions/phenotypes into 11 phenotypic categories. We validated our results with a large set of new transgenic fly strains and showed that when correcting for position effect variegation, 88% of our phenotypes are reproducible with an independent transgenic fly strain targeting the same gene, with an estimated false negative rate of 24 to 29% and a false positive rate of less than 10%. Using a series of secondary screens we identified six new genes, including the transmembrane protein caps, involved in

asymmetric cell division, and 22 novel genes generally required for the Notch signaling pathway, and placed five of those, including *CG5608 (Vac14),* upstream of Su(H)-meditated transcription. Finally, we constructed the first genome-wide, functionally validated protein-protein network governing Notch signaling and asymmetric cell division. We provide further evidence for the importance of nuclear import to Notch signaling and identify the COP9 signalosome as a novel regulator of the process of asymmetric cell division.

Materials and Methods

Fly strains and constructs

Flies were raised on standard media at 25°C unless otherwise stated. The following fly strains were used: *pnr*-GAL4 (MD237) (Bloomington Drosophila Stock Center (BDSC)); *sca*-GAL4 (G537.4 [12]); *fzIII*-GAL4 (MS248) [58,59]; *MS1096*-GAL4 (BDSC); *ptc*-GAL4 (G559.1 [12]); *Sd*-GAL4 (SG29.1, BDSC); *C96*-GAL4 (*bbg*^{C96} [60]); *ptc*-GAL4; *Gbe+Su(H)*-lacZ (a gift from T. Klein); FRT82B, *Kap*-α*3*^{D93} (a gift from R.J. Fleming), *CSN4*^{null}, FRT82B, *CSN5*^{null} and FRT82B, *CSN5*^{quo1} (gifts from Greg S. Suh); FRT2A, *caps*^{c18fs} (a gift from A. Nose); and *pnr*-GAL4, *phyllopod*>>EGFP::Pon.LD (this study). Clones on the notum were generated using *Ubx*-FLP/FRT system with (*Kap*-α*3*^{D93}, *CSN4*^{null}, *CSN5*^{null} and *CSN5*^{quo1} clones) or without (*caps*^{c18fs} clones) a cell lethal on the non-mutant chromosome arm [61]. All RNAi lines for the primary screen came from the Vienna Drosophila RNAi Center (VDRC) library, and second RNAi lines were custom made (this study, see below) or supplied by the National Institute of Genetics Fly Stock Center (NIG-FLY). Note that the numbers of lines re-tested in each assay do not always match perfectly since certain lines have been replaced after the completion of the RNAi library.

To generate *phyllopod*>>EGFP::Pon.LD flies, using standard cloning techniques, the nuclear GFP and polyA cassette from pStinger-*phyl*$^{3.4}$-GFP (a gift from C.-T. Chien [16]) was removed, an SV40 polyA cassette (PCR amplified from the pUAST vector) was added, and the vector was converted to an *attR*-site containing Gateway Destination vector (pStinger-*phyl*$^{3.4}$-

Gateway) where the first 14 amino acids plus gateway linkers are fused in frame to the coding sequence of interest after an LR clonase (Invitrogen) reaction to generate an expression clone. EGFP::Pon.LD [62] was then PCR amplified with primers that add Gateway 5' and 3' *attB* recombination sites and three 3' in frame STOP codons from the template pBS-TATA-EGFP::Pon.LD-SV40 (gift from F. Wirtz-Pietz), and inserted into pDONR221 (Invitrogen) using a BP Clonase (Invitrogen) recombination reaction. An LR Clonase (Invitrogen) reaction was used to insert EGFP::Pon.LD from the entry clone into pStinger-*phyl*$^{3.4}$-Gateway. The final vector was confirmed by sequencing before injection into w^{1118} embryos for the production of transgenic flies.

Second RNAi lines

We generated or obtained from the NIG-FLY Stock center, second UAS-IR fly lines for 73 genes that showed a phenotype in the primary bristle screen. The second line collection transgenic fly stocks were independently created and designed in such a way that there was a maximum 70% overlap between the primary construct in the original library and the new IR sequence. Most constructs overlap the original construct by less than 50%. Primer pairs for second custom hairpin constructs were designed as previously published [6], with the following additional constraints/exceptions: 200 primer pairs were designed for each target using Primer3 [63]. Only those which were predicted to have a single s19[80%]≥0.9, and a maximum CAN count of five were chosen. Restriction sites of the preferred enzymes *EcoRI* and *XbaI* were avoided, in rare cases *BglII* was used as alternative. Genomic DNA as template was preferred over cDNA. In case of no suitable primers, PCR conditions submitted to Primer3 were loosened to a product size range of 120 to 600 bp, melting temperature of 62 to 72°C and higher maximum allowed self complementarity. The UAS-IR constructs were cloned using published methods [6] into a custom designed vector, pKC26, and then inserted into a second chromosome site (43.4) using the ϕ31 system [64].

RNAi bristle screen

The pre-screen was carried out using 40 UAS-IR lines [6] targeting 21 genes known to be involved in asymmetric cell division and the Notch pathway using *pnr*-GAL4, *sca*-GAL4 and *fzIII*-GAL4 in 18, 25 and 29°C. Phenotypic assessment was basically the same as that in the genome-wide RNAi bristle screen (see below).

The genome-wide screen was carried out using a collection of transgenic fly lines carrying UAS-IR constructs [6]. To drive expression of IRs for each gene on the notum, males from each UAS-IR fly line were crossed with *pnr*-GAL4 virgin females. Virgin females were obtained in large numbers using a "virginizer" line where the *pnr*-GAL4 stock also contained a *hs-hid* transgene (originally from R. Lehmann) on the Y chromosome (w^{1118}/Y, *hs-hid* ; ; *pnr-GAL4*/TM3,*Sb*). Stocks were maintained at 22°C. Once third instar larvae were observed in the stock bottles, the parents were discarded and the bottles heat shocked at 37°C in a water bath for one hour on two consecutive days to kill progeny carrying the *hs-hid* chromosome (males). A similar strategy was used to obtain appropriate GAL4 virgin females for other assays in this study. Mating and egg laying were carried out at 22°C for two days, then the crosses were shifted to 29°C to enhance the expression and activity of GAL4. About 14 to 16 days after mating, 10 males (or females if not enough males of the correct genotype were available, and in the case of X chromosome UAS-IR insertion lines) were screened for phenotypes on the notum. The number of flies screened for each line was sometimes less than 10 when there was associated lethality. The phenotypic categories used in this study were "gain of bristles", "loss of bristles", "empty or multiple sockets", "hair cell duplication", "notum colour defects", "bristle morphology defects", "planar polarity defects", "notum malformation due to migration defects", "notum malformation due to cell death", "overproliferation" and "other". We judged each phenotype under a normal stereo microscope (Stemi 2000, Zeiss) equipped with a digital camera (PowerShot G6, Canon) and if there was any phenotype, took several representative pictures for each transgenic line. Each

phenotype was scored in a semi-quantitative manner based on the affected area within the *pnr*-GAL4 expression zone, ranging from 0 to 10 ("0" means no phenotype; "10" means 90-100% of the area was affected by the given phenotype). Areas of the notum where *pnr*-GAL4 is not expressed served as internal controls for each fly. Adult fly cuticles were prepared using standard methods and mounted in Hoyer's media. Cuticle preparation images were processed from multiple image stacks using Helicon Focus software (Helicon Soft). All phenotypic information, including stereo microscope and cuticle preparation images was stored in a custom database. An online database with all results from the primary screen, including images for each phenotype, is available at http://bristlescreen.imba.oeaw.ac.at.

Wing RNAi screen and Su(H) reporter assay

Males for 191 UAS-IR lines with a "lateral inhibition" ES organ phenotype were crossed with *MS1096*-GAL4 virgin females. At least 10 wings from 10 different adult flies (preferably male, but also female when necessary) were checked under a normal stereo microscope (Stemi 2000, Zeiss). If any phenotype or abnormality was found, the wings were dissected and mounted on a slide, and were observed under a histological microscope to investigate detailed phenotypes. For the lacZ reporter assay, males from UAS-IR lines that showed wing notching or vein phenotypes in the wing RNAi screen were crossed with *ptc*-GAL4;*Gbe+Su(H)*-lacZ/TM6b virgin females. Wing discs from at least five third instar (non balancer) larvae were dissected and stained with X-gal solution using a standard protocol and imaged by light microscopy.

Live Imaging, immunofluorescence and antibodies

To examine the number, shape and size of SOP cells on developing *Drosophila* nota, male UAS-IR flies from lines that showed potential cell fate transformations were crossed with *pnr*-GAL4, *phyllopod*>>EGFP::Pon.LD virgin females. Mating and egg laying occurred for two days at 22°C, then the crosses were shifted to 29°C. Pupae were collected at 0 hours after puparium

formation (APF) and aged for 14 hours at 29°C. Live imaging was essentially as previously described [65]. For lineage analysis, pupae were collected at 0 hours APF and aged for 23 to 26 hours at 29°C, dissected in 5 or 8% paraformaldehyde, fixed for 20 to 30 minutes on ice, and stained as described [66]. The antibodies used in this study are as follows: mouse anti-cut (2B10, 1:500, Developmental Studies Hybridoma Bank (DSHB)), rat anti-Su(H) (1:100, made after [67]), mouse anti-prospero (MR1A, 1:10, DSHB), rabbit anti-prospero (1:1000 [68]), mouse anti-elav (9F8A9, 1:30, DSHB) and rat anti-elav (7E8A10, 1:100, DSHB). Images were recorded on a Zeiss LSM510 confocal microscope and processed in ImageJ and Adobe Photoshop and figures were assembled in Adobe Illustrator and NeoOffice.

GO Term Enrichment

Genes with different single or combinations of phenotypes in the primary screen were grouped together and checked for significant enrichment of associated GO Terms. Data were analyzed using GOstat (Tim Beissbarth, http://gostat.wehi.edu.au/cgi-bin/goStat.pl), searching against the Flybase database of GO and corrected for multiple testing using the False Discovery Rate (Benjamini correct method).

Orthology Prediction

All orthology predictions for candidate genes were found using InParanoid (http://inparanoid.sbc.su.se/cgi-bin/index.cgi) [23].

Interaction map

A list of all genes that caused phenotypes of any strength empty or multiple socket, any strength hair cell duplication, strong loss of bristles (with a score greater than or equal to seven), and gain of bristles (when included in the lateral inhibition group) was made. The obtained phenotypic data were integrated with publicly available interaction data from the DroID

(www.droidb.org) (v3), STRING [69] (v7.1) and Biogrid [70] (v2.0.40) databases. The STRING database provides information on potential direct as well as indirect association of proteins based on several distinct evidence categories e.g. Coexpression, Textmining, Experiments, Databases. We incorporated the STRING "Database" and "Experiment" association categories with confidence values ranked above "Lowest", and all links suggested by DroID and Biogrid. Redundant inclusion of interaction evidence was avoided by considering an interaction of the same partners tagged with the same PubMed ID only once. Non-redundant pairwise interactions from these resources were included into further consideration only if both interactors belonged to the set of candidate or positive control genes. The resulting network was drawn using Cytoscape [71] (http://www.cytoscape.org), and the plugin Cell Region-Based Rendering And Layout (Cerebral) [72]. Subcellular localization classification was based on GO Cellular Component and GO Biological Process terms. Multiple localizations were resolved based on a signaling hierarchy. The Molecular Complex Detection (MCODE) [22] algorithm was used to identify subnetwork complexes using default parameters (Loops excluded, Haircut selected, Fluff not selected, K-Core value 2 and Max. Depth 100), except for Node Score Cutoff, which was changed to 0.5. Detailed, interactive Cytoscape files are available for download on our website (http://bristlescreen.imba.oeaw.ac.at).

Acknowledgements

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Figures

Figure 1. Multicellular signaling pathways required for ES Organ development

The adult *Drosophila* thorax is covered in ES organs (a, arrowheads). Each ES organ contains four cells, two externally visible cells (hair, green and socket, yellow), and two internal cells (neuron, red and sheath, blue). A single Sensory Organ Precursor (SOP) divides in a series of asymmetric divisions to form the adult organ (b). The cell fate determinant Numb (light green, b) is expressed and segregated to only one daughter cell during each mitosis in the lineage. Numb represses Notch activity, making the sister cells adopt different fates. Notch inhibits neuronal fate. During lateral inhibition, all but one cell (light orange) in the proneural cluster (dark orange) is inhibited from becoming an SOP by high levels of Notch signaling (c). Notch loss of function (lower panel, c) prevents SOP fate inhibition. Many cells in the proneural cluster become SOP cells, resulting in "tufts" of ES organs. The planar cell polarity (PCP) pathway determines ES organ orientation (d). PCP loss of function (lower panel, d) causes randomized bristle orientation. The screen used a collection of transgenic inducible inverted repeat (IR) constructs. We used a *pannier* (*pnr*) promoter driven GAL4 line, expressed developmentally in the future adult notum (red, e), to drive IR expression for each gene. The IRs are transcribed, fold into RNA hairpins, are processed into siRNAs and target their corresponding mRNA to silence gene expression (f). Importantly, the inverted repeat is only expressed in the pnr expression area and all other parts of the fly are wild type. Therefore only the notum area indicated in (e) was screened for phenotypes.

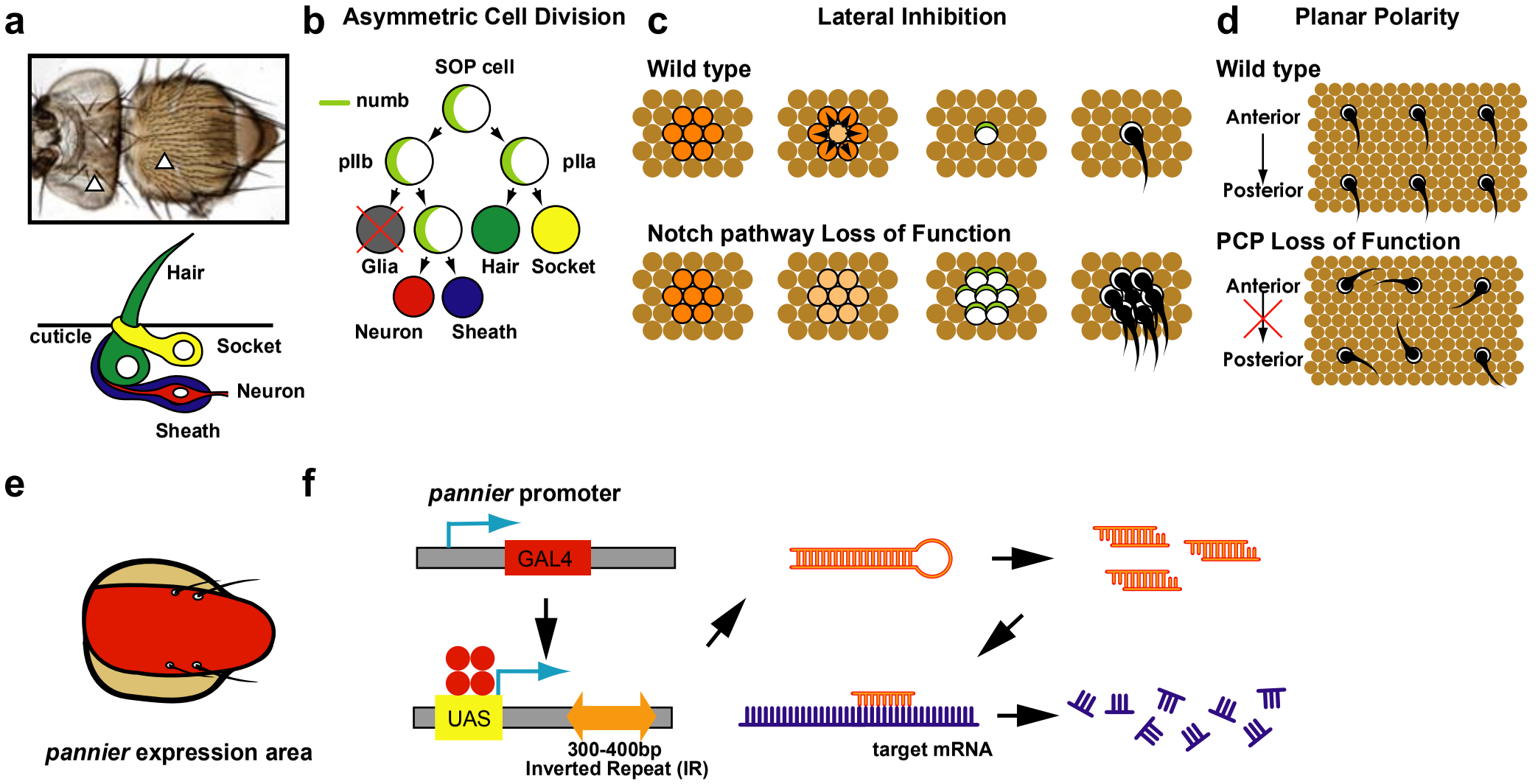

a
Hair
cuticle
Socket
Neuron
Sheath
b
Asymmetric Cell Division
SOP cell
numb
pIIb
pIIa
Glia
Hair
Socket
Neuron
Sheath
c
Lateral Inhibition
Wild type
Notch pathway Loss of Function
d
Planar Polarity
Wild type
Anterior
Posterior
PCP Loss of Function
Anterior
Posterior
e
pannier expression area
f
pannier promoter
GAL4
UAS
300-400bp
Inverted Repeat (IR)
target mRNA

Figure 2. Knockdown of genes involved in ES organ development gives rise to characteristic phenotypes

Cuticle preparations of fly nota and schematic drawings illustrate the ES organ phenotypes. Control flies have a stereotyped number and orientation of ES organs (a). Knockdown of asymmetric cell division pathway genes causes a multiple socket phenotype (*numb*) and duplicated hair and loss of bristles phenotype (*bazooka*) (b). Knockdown of Notch pathway genes results in specification of too many ES organs (c). This can cause either a gain of bristles (*Delta*) or a loss of bristles (*O-fut1*). Planar cell polarity gene knockdown results in random ES organ orientation (d). Defects in growth and proliferation control were observed for knockdown of hippo pathway members and various tumor suppressors (compare size of *mats* knockdown and control nota, e). Primary genome-wide screen results are summarized graphically in (f).

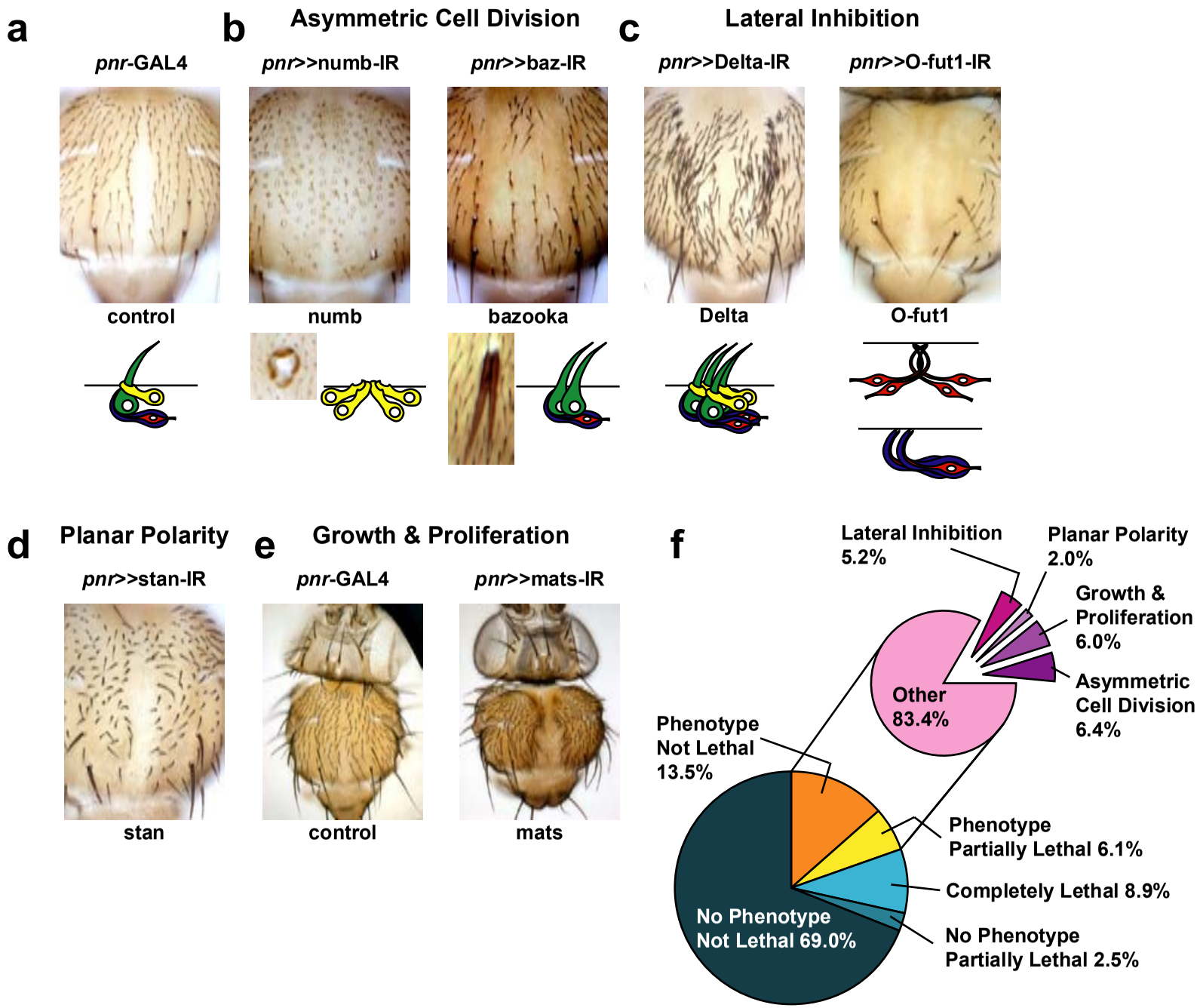

a
b
Asymmetric Cell Division
c
Lateral Inhibition
pnr-GAL4
pnr>>numb-IR
pnr>>baz-IR
pnr>>Delta-IR
pnr>>O-fut1-IR
control
numb
bazooka
Delta
O-fut1
d
Planar Polarity
e
Growth & Proliferation
f
pnr>>stan-IR
pnr-GAL4
pnr>>mats-IR
stan
control
mats
Lateral Inhibition 5.2%
Planar Polarity 2.0%
Growth & Proliferation 6.0%
Asymmetric Cell Division 6.4%
Other 83.4%
Phenotype Not Lethal 13.5%
Phenotype Partially Lethal 6.1%
Completely Lethal 8.9%
No Phenotype Partially Lethal 2.5%
No Phenotype Not Lethal 69.0%

Figure 3. Additional notum phenotypes identified in the primary bristle screen

The category Bristle Morphology Defects included short, thin, thick, bent, split, and/or differently pigmented bristles (a). Cuticle colour changes, both dark (b) and light (c) were grouped together. Changes in the morphology of the notum were separated into Notum Malformation Death (d) and Notum Malformation Migration (e) when the *pnr* expression area was smaller than normal and when the two halves of the notum appeared separated from each other, respectively. The phenotypic category "Other" (f) is very broad and encompasses all other phenotypes not separately classified. Pictured is a notum with ectopic growth.

a

Bristle Morphology Defects
CG6993

b

Colour (Dark)
CG12656

c

Colour (Light)
CG18095

d

Notum Malformation Death
CG5462

e

Notum Malformation Migration
CG7904

f

Other (Ectopic Growth)
CG7714

Figure 4. Some loss of bristle phenotypes are caused by defects in SOP specification or survival

Loss of hairs and sockets could be due to a cell fate transformation to inner cells (neuron and sheath, center, a) or to a defect in precursor specification or survival (right, a). A live imaging assay detected presence, quantity, size and shape of SOP cells (b). Confocal images of SOP cells (green), marked by a *phyllopod* promoter fusion to GFP tagged Pon localization domain (*phyllopod*>>EGFP::Pon.LD), in living pupae 14 hours APF at 29°C. Knockdown of Notch pathway members and novel genes caused lateral inhibition phenotypes with too many SOP cells (*Notch*, *CG11053*). Defects in SOP specification resulted in no GFP signal in the pannier expression area, but had wild type SOP cells outside this region (*CG31612*).

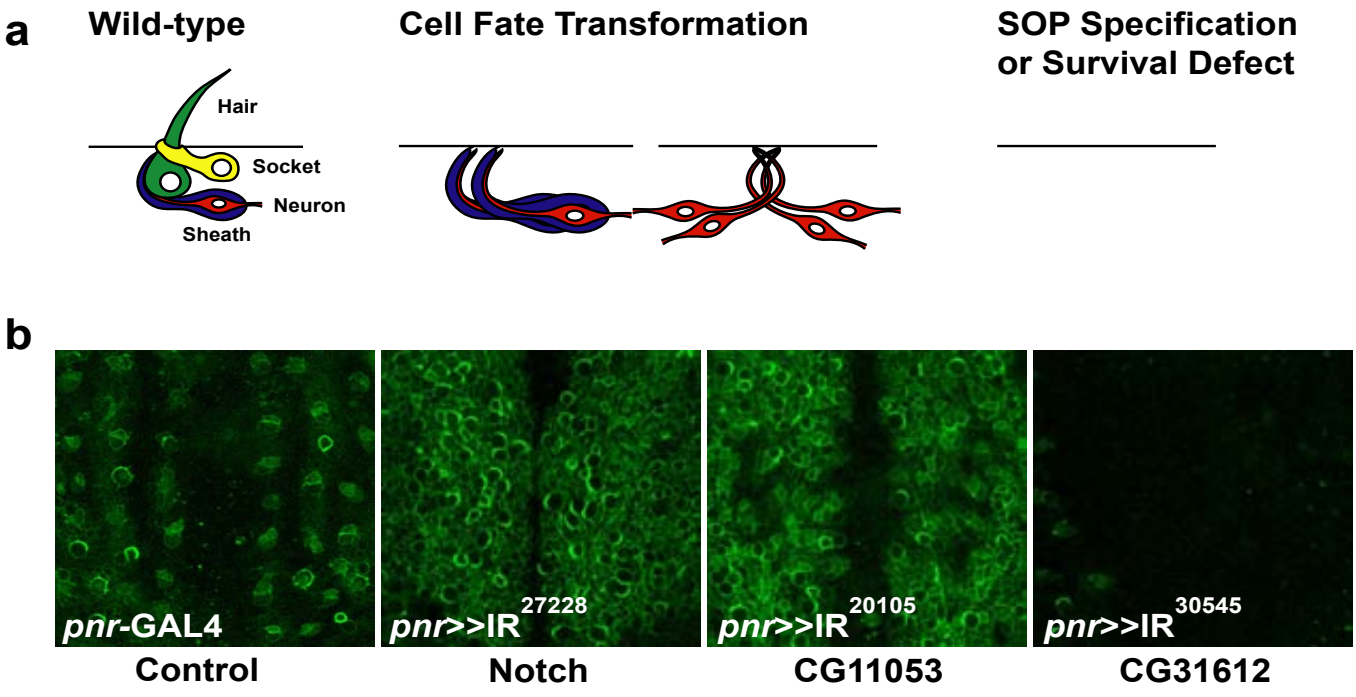
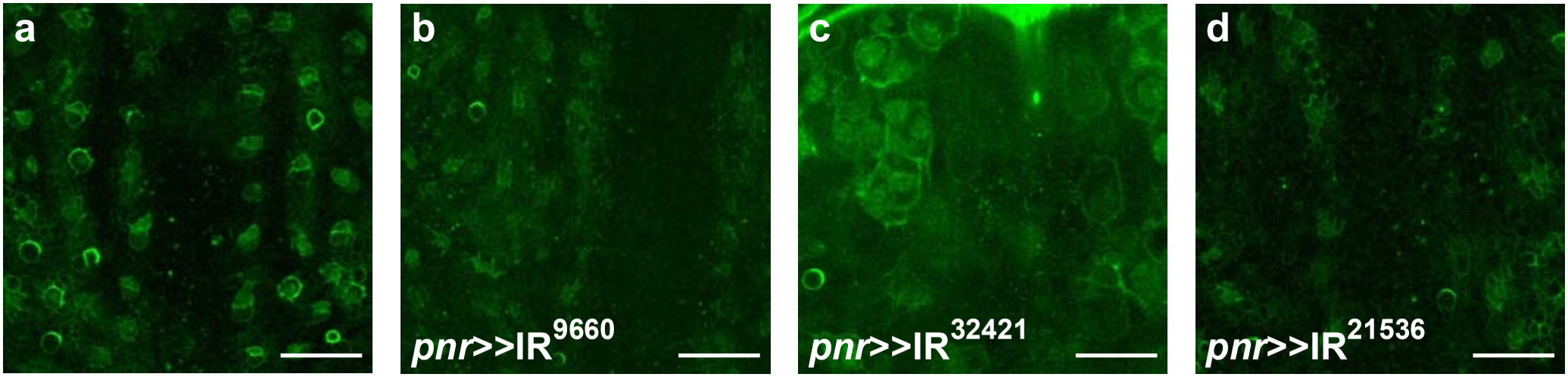

a
Wild-type
Cell Fate Transformation
SOP Specification
or Survival Defect
Hair
Socket
Neuron
Sheath
b
pnr-GAL4
pnr>>IR27228
pnr>>IR20105
pnr>>IR30545
Control
Notch
CG11053
CG31612

Figure 5. Additional live imaging assay phenotypes

Confocal images of pupal nota show SOPs labeled by expression of *phyllopod*>>EGFP::Pon.LD (green) with simultaneous induction of RNAi. Relative to control pupae (a), changes in the size (b, c) and number (d) of SOP cells were observed. Scale bars: 10μm.



Control

Small SOP cells
CG31229

Big SOP cells
CycA

Fewer SOP cells
bol

Figure 6. Knockdown of *pins* causes Numb mislocalization and cell fate transformations

Knockdown of *pins*, a gene involved in cell fate determinant localization, results in cell fate transformations to inner cells (compare lineage analysis control (a) and *pins* knockdown (b)). Confocal images of control SOP cells (marked by asense in red) show that crescents of Numb (green) seen in metaphase (c) and anaphase (c') are inherited by only one daughter cell (c''). Endogenous Numb is mislocalized all around the cortex in SOPs when *pins* is knocked down (d, d') and is inherited by both daughter cells (d''). Anterior is to the left (c,d).

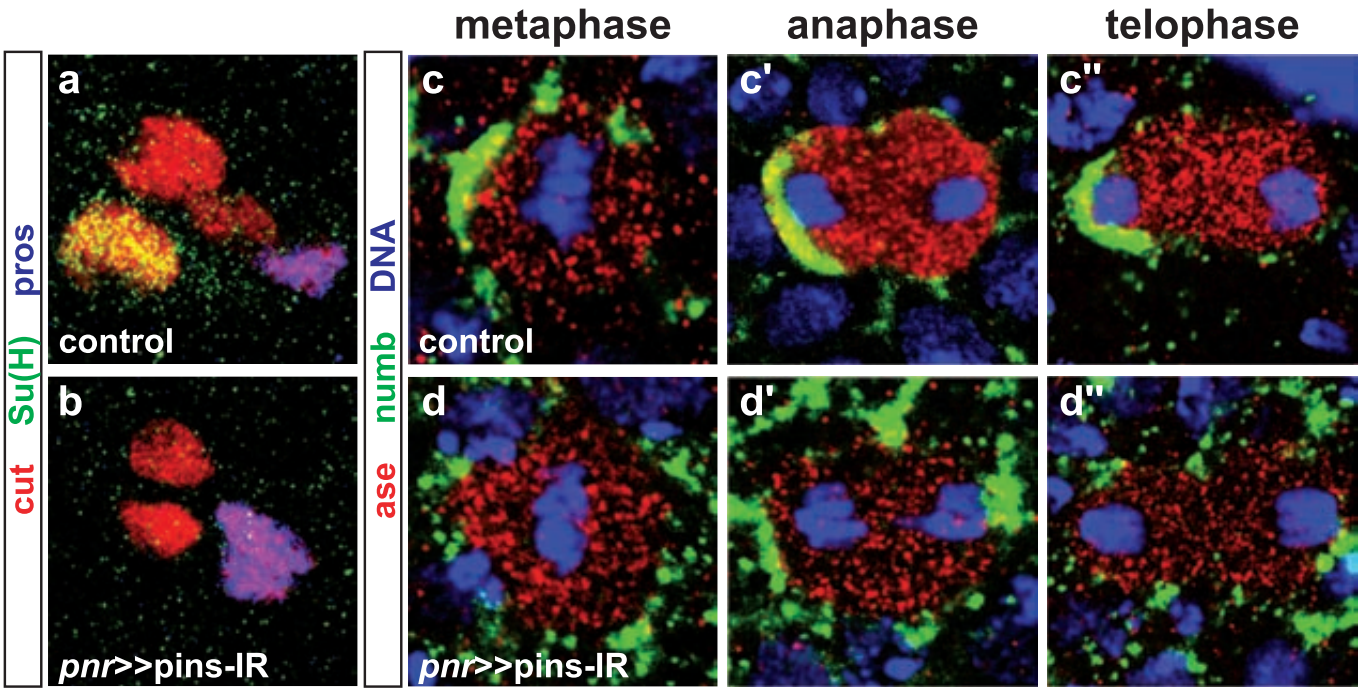
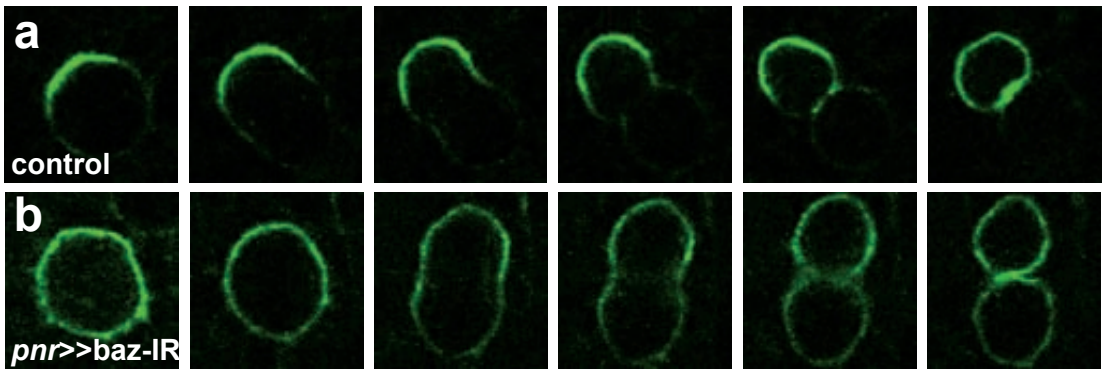

metaphase
anaphase
telophase
a
control
b
pnr>>pins-IR
cut Su(H) pros
c
control
c'
c''
d
pnr>>pins-IR
d'
d''
ase numb DNA

Figure 7. Localization and inheritance of a Numb reporter in SOP mitosis changes from asymmetric in controls to symmetric in *bazooka* knockdown

Confocal time lapse images of mitotic SOP cells show that the Numb reporter EGFP::Pon.LD (green) driven by the *phyllopod* promoter localizes asymmetrically in a crescent during mitosis and is segregated to only one of the two daughter cells, the anterior pIIb cell (a). This asymmetric localization and inheritance is lost upon *pnr*-GAL4 induced *bazooka* knockdown (b).



phyllopod>>EGFP::Pon.LD

Figure 8. Knockdown of *APC4* and *san* cause potential cell fate transformations, mislocalization of a Numb reporter and a longer cell cycle

Cuticle preparations for *APC4* (a) and *san* (b) knockdown show loss of bristle and potential multiple socket (arrowheads) phenotypes. Confocal time lapse images of mitotic SOP cells show that the Numb reporter EGFP::Pon.LD (green) initially localizes in a crescent by nuclear envelope breakdown (NEBD) (c). Asymmetric reporter localization is lost by anaphase onset and the reporter is symmetrically inherited in *APC4* and *san* knockdown, but not in control, SOP cells (c). The time from NEBD to anaphase onset is significantly increased in both *APC4* and *san* knockdown compared to controls (d). ** significant difference from control by Student's two-tailed unpaired t-test with equal variance (p=7.26E-15 for *APC4*, p=1.20E-9 for *san*).

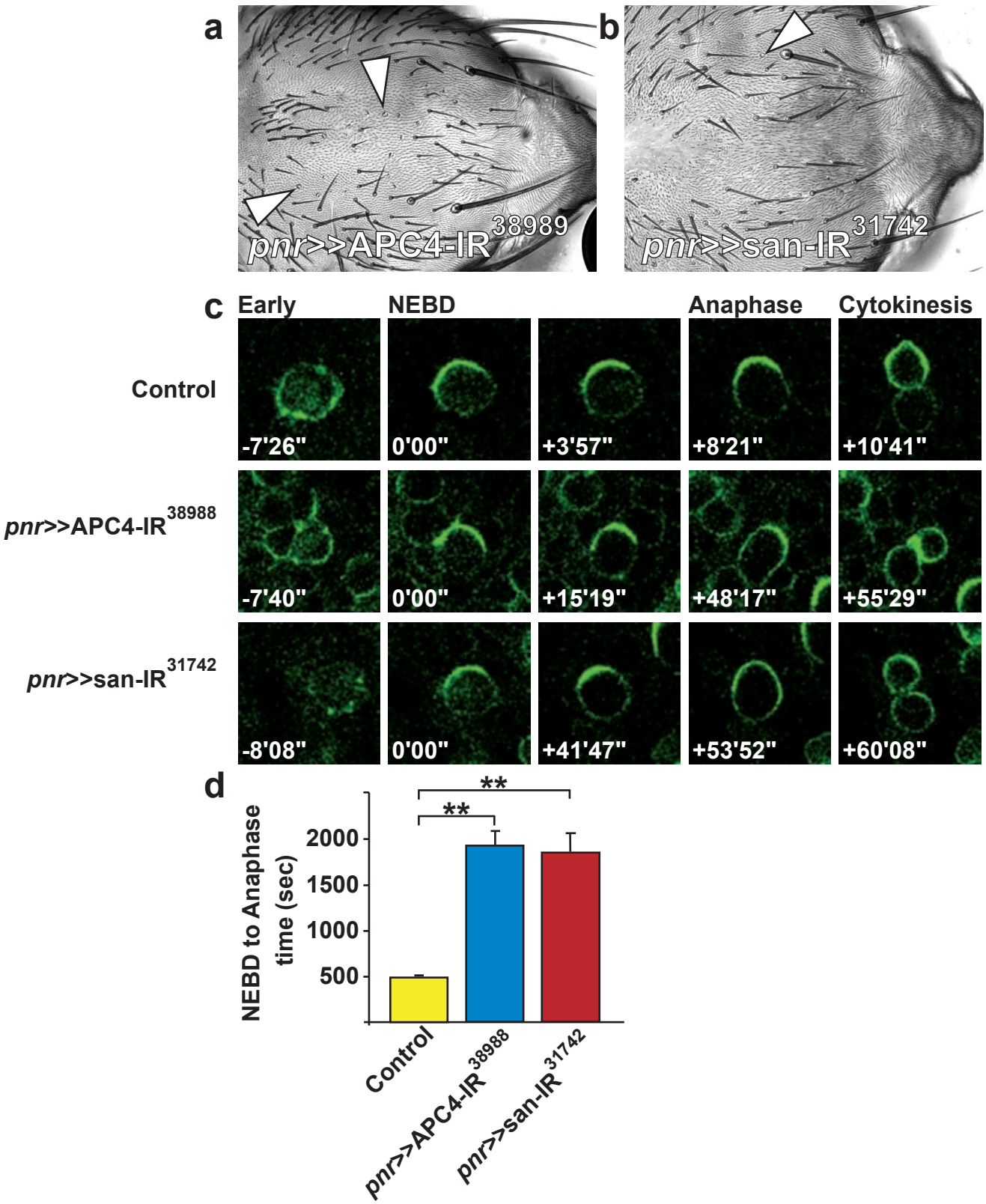

a
b
pnr>>APC4-IR38989
pnr>>san-IR31742
c
Early
NEBD
Anaphase
Cytokinesis
Control
pnr>>APC4-IR38988
pnr>>san-IR31742
-7'26"
0'00"
+3'57"
+8'21"
+10'41"
-7'40"
0'00"
+15'19"
+48'17"
+55'29"
-8'08"
0'00"
+41'47"
+53'52"
+60'08"
d
NEBD to Anaphase time (sec)
2000
1500
1000
500
**
**
Control
pnr>>APC4-IR38988
pnr>>san-IR31742

Figure 9. Knockdown of *CG6954* causes potential cell fate transformations and mislocalization of a Numb reporter

A cuticle preparation for *CG6954* knockdown shows the empty or multiple socket (arrowheads, a) phenotype observed in the primary screen. Confocal time lapse images of mitotic SOP cells show that *CG6954* knockdown causes defects in Numb reporter (EGFP::Pon.LD (green)) localization and inheritance (b-d). In many SOP cells, the reporter is symmetrically localized or only weakly accumulates asymmetrically by nuclear envelope breakdown (NEBD) (b-d). Reporter localization is often rescued by anaphase or telophase (c,d). Abnormal shaped crescents, split in two parts (b, arrows) or accumulated at the cleavage furrow rather than at the anterior tip (b, arrowhead) can be observed. When such errors occur (cytokinesis, b,c), there is often no defect visible at the two cell stage (b,c). Failure to align the reporter crescent with the spindle (double headed arrow, d) by anaphase results in near symmetric inheritance of the reporter (d). *CG6954* is predicted to encode a 1638 amino acid protein (e) with low complexity regions (red), Ankyrin repeats (ANK), Fibronectin type III (FN3) domains, and a C-terminal Ras-association domain (RA).

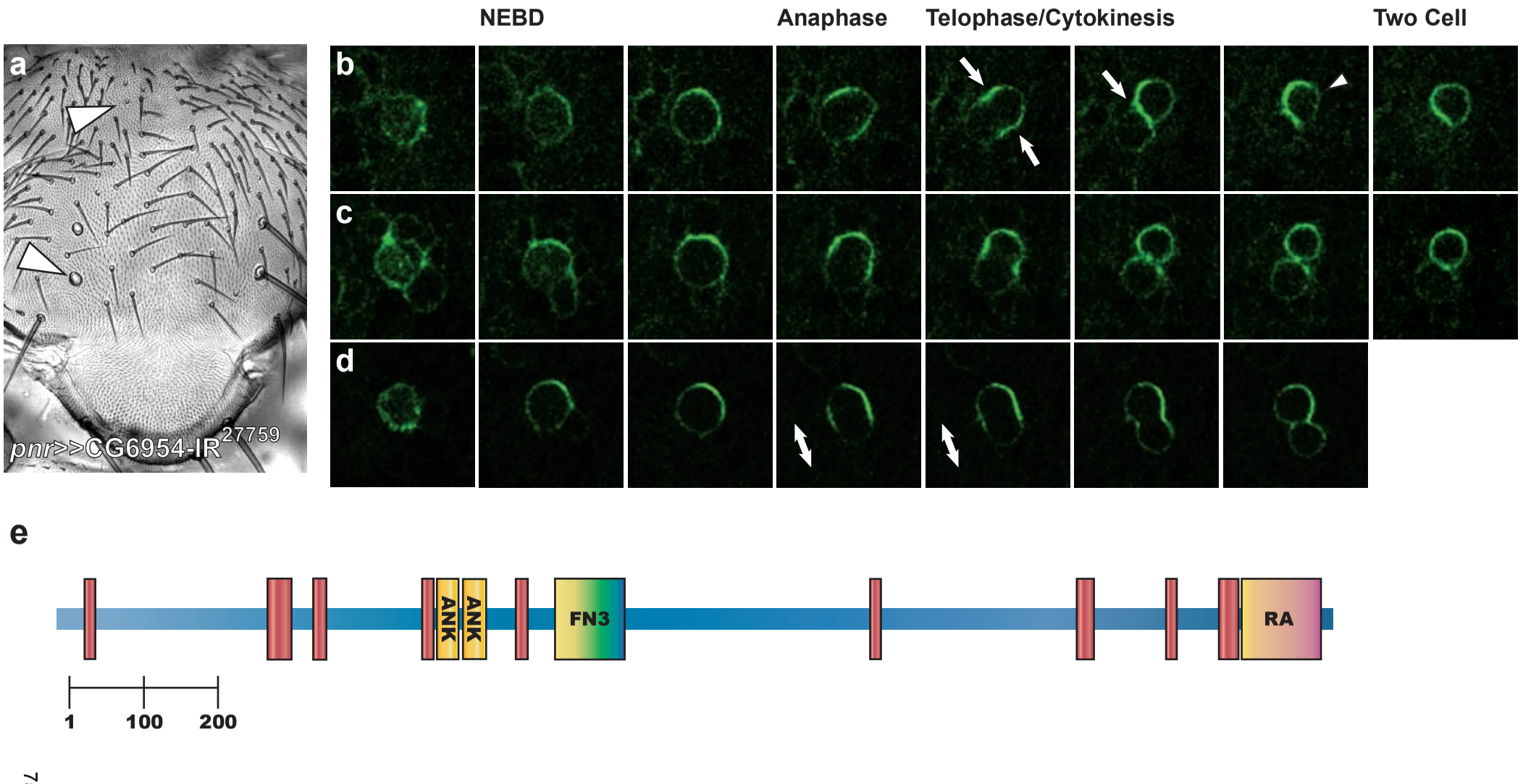

NEBD
Anaphase
Telophase/Cytokinesis
Two Cell
a
b
c
d
pnr>>CG6954-IR27759
e
ANK
ANK
FN3
RA
1
100
200

Figure 10. Some loss of bristle phenotypes are caused by cell fate transformations and *capricious* mutant clones show a Notch loss of function phenotype

Immunofluorescence lineage analysis identified genes whose knockdown caused cell fate transformation to inner cells (a). Maximum intensity projections of confocal stacks show that nuclei of all four SOP daughters are marked by cut (red), the socket cells by Su(H) (green) and the sheath cells by prospero (blue). Hair cells and neurons are only cut positive, and have large or small nuclei, respectively (top, a). In a separate experiment (lower panel, a), control organs contain one sheath cell (marked by prospero, red) and one neuron (marked by elav, green). Knockdown of *caps*, *CG8094* (and four other genes, see Table 9) resulted in ES organs with two neurons and two sheath cells, or occasionally three neurons and one sheath cell (a). *caps* mutant clones on the notum result in a strong gain of bristles phenotype (b), and on the wing give rise to both broad wing veins and wing margin notches (arrowheads, c). Caps is a 540 amino acid, single pass transmembrane (TM) protein (d) with a putative signal peptide (SP), extracellular leucine-rich repeat (LRR) domains and an intracellular low complexity region (LCR).

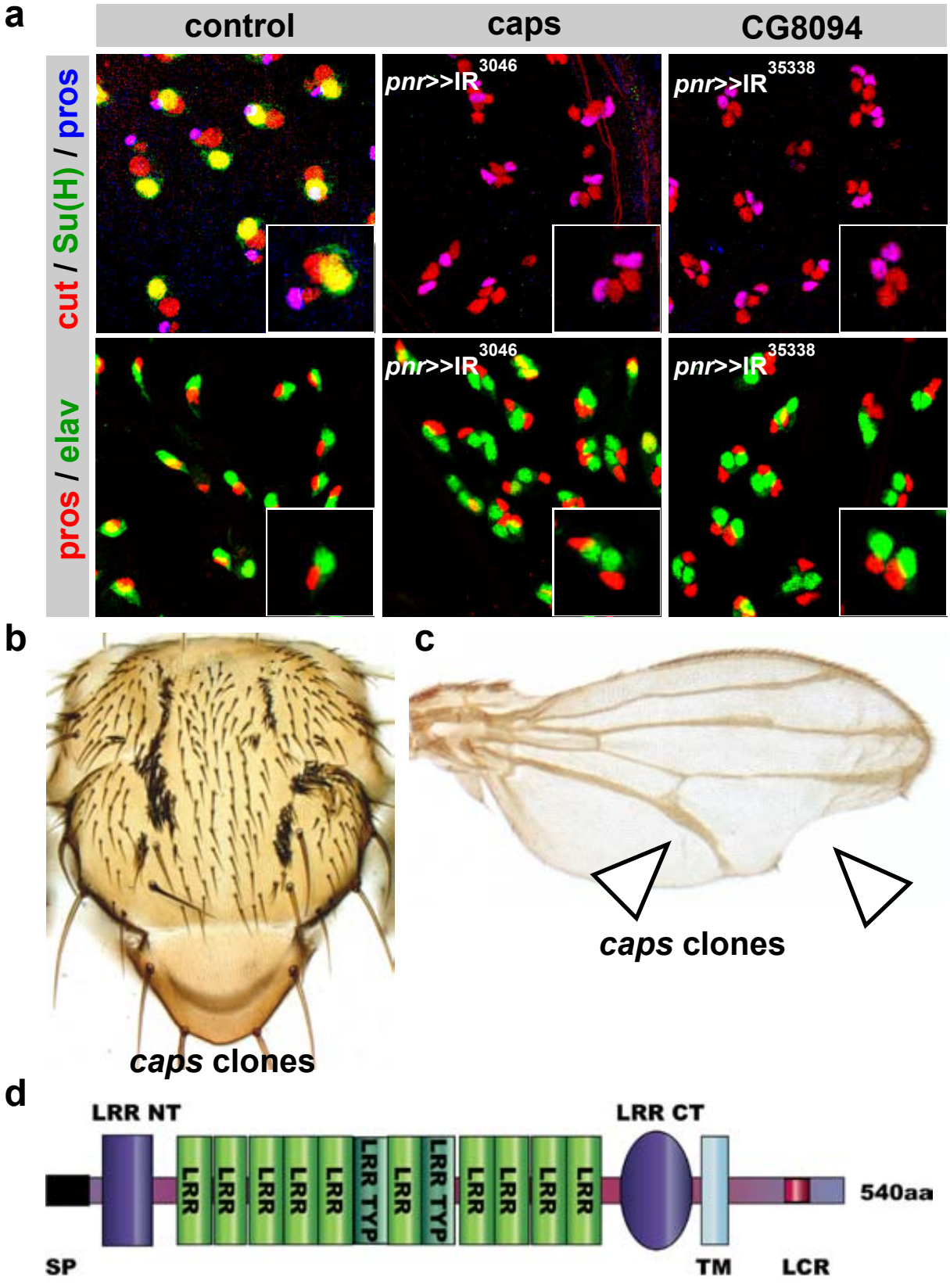

a
control
caps
CG8094
cut / Su(H) / pros
pros / elav
pnr>>IR3046
pnr>>IR35338
b
caps clones
c
caps clones
d
LRR NT
LRR CT
LRR
LRR TYP
540aa
SP
TM
LCR

Figure 11. Five novel genes putatively act in the Notch signaling pathway, upstream of Su(H) transcription

To identify novel Notch pathway members, genes that caused lateral inhibition notum phenotypes were knocked down in the wing. Notum phenotypes for the primary screen are shown for each UAS-IR line (left panels). *MS1096*-GAL4 is expressed throughout the entire developing wing (red, b). Knockdown of Notch pathway members (e and f) and novel genes (g to k) causes broad wing veins and/or a notched wing margin compared to controls (d). An artificial lacZ reporter for Su(H) activity is expressed in the dorsal-ventral compartment boundary of the wing imaginal disc (blue, c and d). *patched* (*ptc*)-GAL4 is expressed in a stripe that intersects the stripe of lacZ expression (red, c). Knockdown of genes upstream of Su(H) transcription in the Notch pathway such as *Notch* (e) and *mib1* (f) resulted in a "gap" in lacZ expression (compare to control wing disc, d). Knockdown of five putative new Notch pathway genes also resulted in a "gap" phenotype (wing discs, g to k), indicating that these genes are generally required for Notch signaling and act upstream of Su(H) transcription.

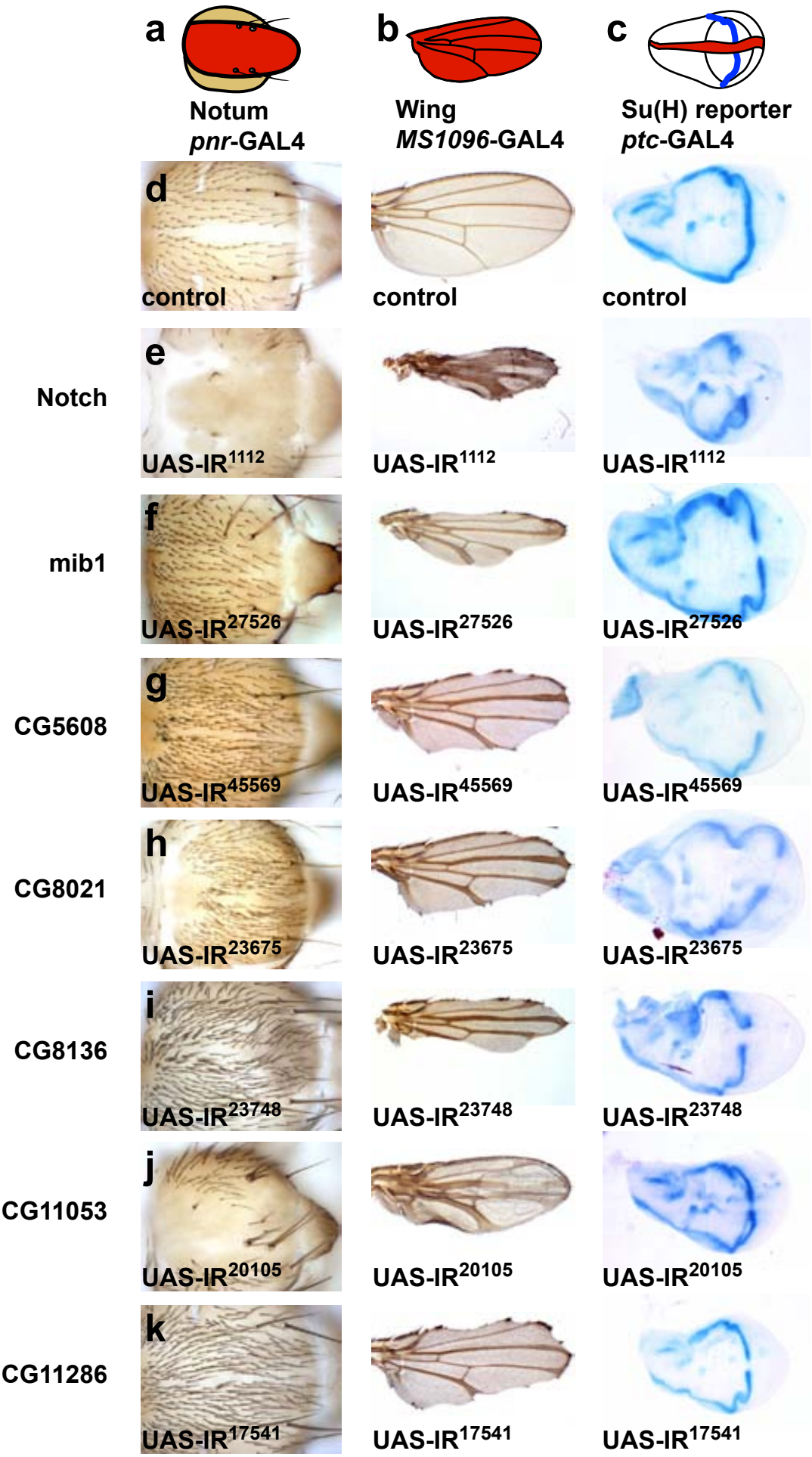

a
Notum
pnr-GAL4
b
Wing
MS1096-GAL4
c
Su(H) reporter
ptc-GAL4
d
control
control
control
Notch
e
UAS-IR1112
UAS-IR1112
UAS-IR1112
mib1
f
UAS-IR27526
UAS-IR27526
UAS-IR27526
CG5608
g
UAS-IR45569
UAS-IR45569
UAS-IR45569
CG8021
h
UAS-IR23675
UAS-IR23675
UAS-IR23675
CG8136
i
UAS-IR23748
UAS-IR23748
UAS-IR23748
CG11053
j
UAS-IR20105
UAS-IR20105
UAS-IR20105
CG11286
k
UAS-IR17541
UAS-IR17541
UAS-IR17541

Figure 12. Genes generally required for Notch signaling cause Notch loss of function phenotypes in both notum and wing

Representative images are shown for 20 genes whose knockdown resulted in a lateral inhibition phenotype on the notum, and gave rise to broader vein phenotypes (arrows) in the wing. These genes may act downstream or in parallel of Su(H) transcription.

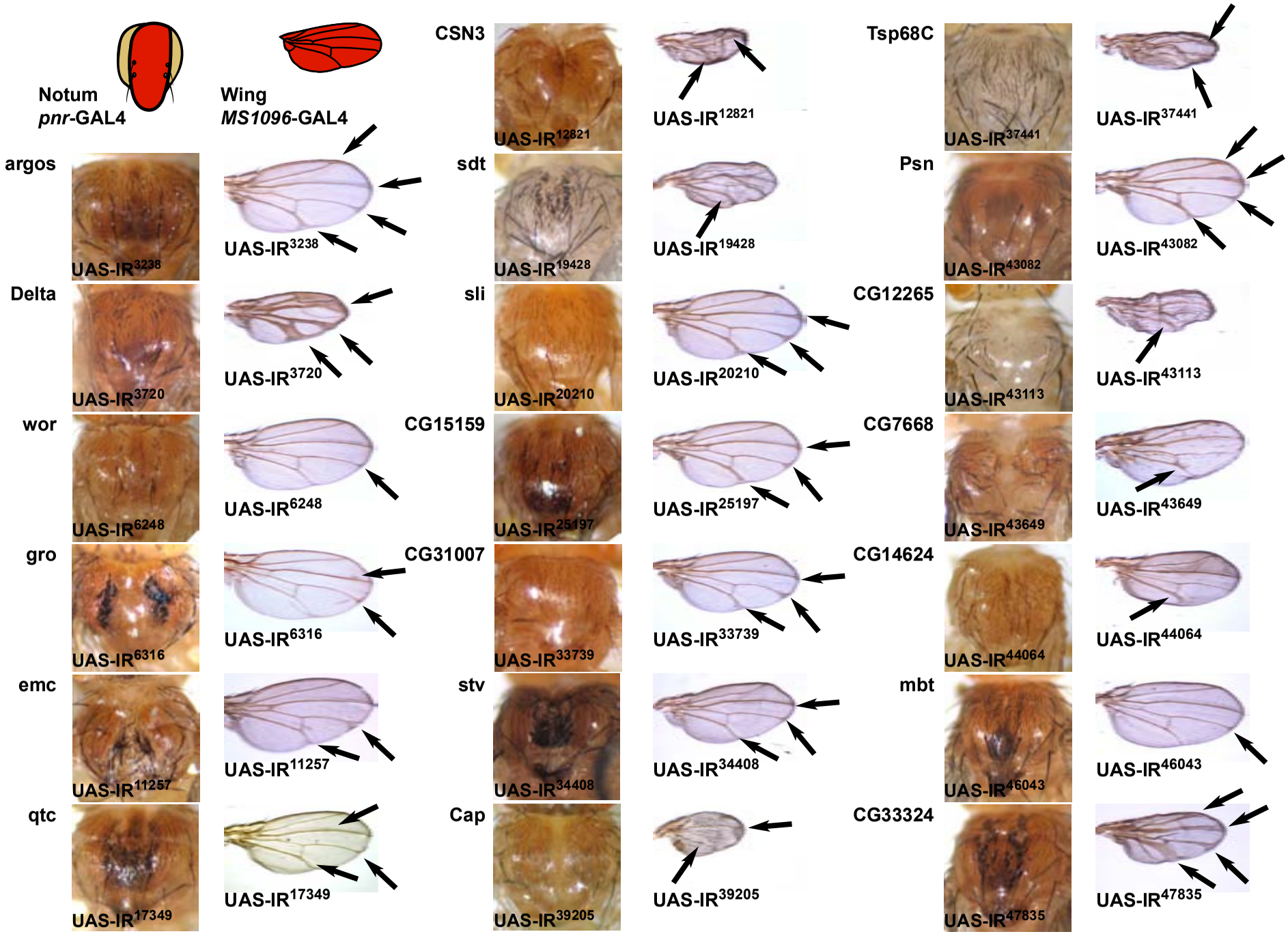

Notum
pnr-GAL4
Wing
MS1096-GAL4
argos
UAS-IR3238
UAS-IR3238
Delta
UAS-IR3720
UAS-IR3720
wor
UAS-IR6248
UAS-IR6248
gro
UAS-IR6316
UAS-IR6316
emc
UAS-IR11257
UAS-IR11257
qtc
UAS-IR17349
UAS-IR17349
CSN3
UAS-IR12821
UAS-IR12821
sdt
UAS-IR19428
UAS-IR19428
sli
UAS-IR20210
UAS-IR20210
CG15159
UAS-IR25197
UAS-IR25197
CG31007
UAS-IR33739
UAS-IR33739
stv
UAS-IR34408
UAS-IR34408
Cap
UAS-IR39205
UAS-IR39205
Tsp68C
UAS-IR37441
UAS-IR37441
Psn
UAS-IR43082
UAS-IR43082
CG12265
UAS-IR43113
UAS-IR43113
CG7668
UAS-IR43649
UAS-IR43649
CG14624
UAS-IR44064
UAS-IR44064
mbt
UAS-IR46043
UAS-IR46043
CG33324
UAS-IR47835
UAS-IR47835

Figure 13. Additional wing phenotypes identified in the *MS1096*-GAL4 wing screen

Ectopic bristles on the wing blade (a), necrotic brown spots (b) and diverse "other" (example shown for tufts of trichomes, c) phenotypes were observed in addition to wing vein and margin defects in the *MS1096*-GAL4 wing screen. Changes in wing size (d) and shape (e) were also scored.

a

***MS1096*>>IR^{43649}**

Ectopic Bristles

CG7668

b

***MS1096*>>IR^{33510}**

Necrotic Brown Spots

Ubc-E2H

c

***MS1096*>>IR^{32421}**

Other (Tufts of Trichomes)

Cyclin A

d

***MS1096*>>IR^{39205}**

Wing Size (small)
Other
(Supernumerary Trichomes)

Cap

e

***MS1096*>>IR^{22496}**

Wing Shape (narrow)

CG6509

Figure 14. An interaction network for genes governing Notch signaling and asymmetric cell division

A list of genes whose knockdown resulted in gain or loss of bristles, empty or multiple sockets or duplicated hair cells, as well as a set of positive control genes known to play roles in Notch signaling and asymmetric cell division were queried for experimental protein-protein, yeast two-hybrid, interolog and genetic interactions in publicly-available data sets. The resulting table of interactions was used to create a network map governing Notch and asymmetric cell division pathways. Genes are shown as nodes, and relationships between nodes as edges. The network contains 170 nodes (129 putative novel genes and 41 positive control genes) and 754 edges. The primary screen phenotype score of each gene is indicated in brackets (order: gain, loss, empty of multiple sockets, duplicated hair cells) and by the colour and shape of the node (gain, red circle; loss, green circle; both gain and loss, yellow circle; socket or hair phenotypes, blue triangle; completely lethal, black diamond; no phenotype in gain, loss, socket or hair phenotypes (control genes only), white circle). Positive control gene nodes are outlined in bold. Note that phenotypes in other categories may also occur in combination with those described on the map. The type of interaction is indicated by edge colour (genetic (blue), interolog (green), yeast two-hybrid (orange) and String database experimental data (gray)). MCODE-identified positive control complexes ranked first (Notch pathway) and sixth (asymmetric cell division) are shown on the right.

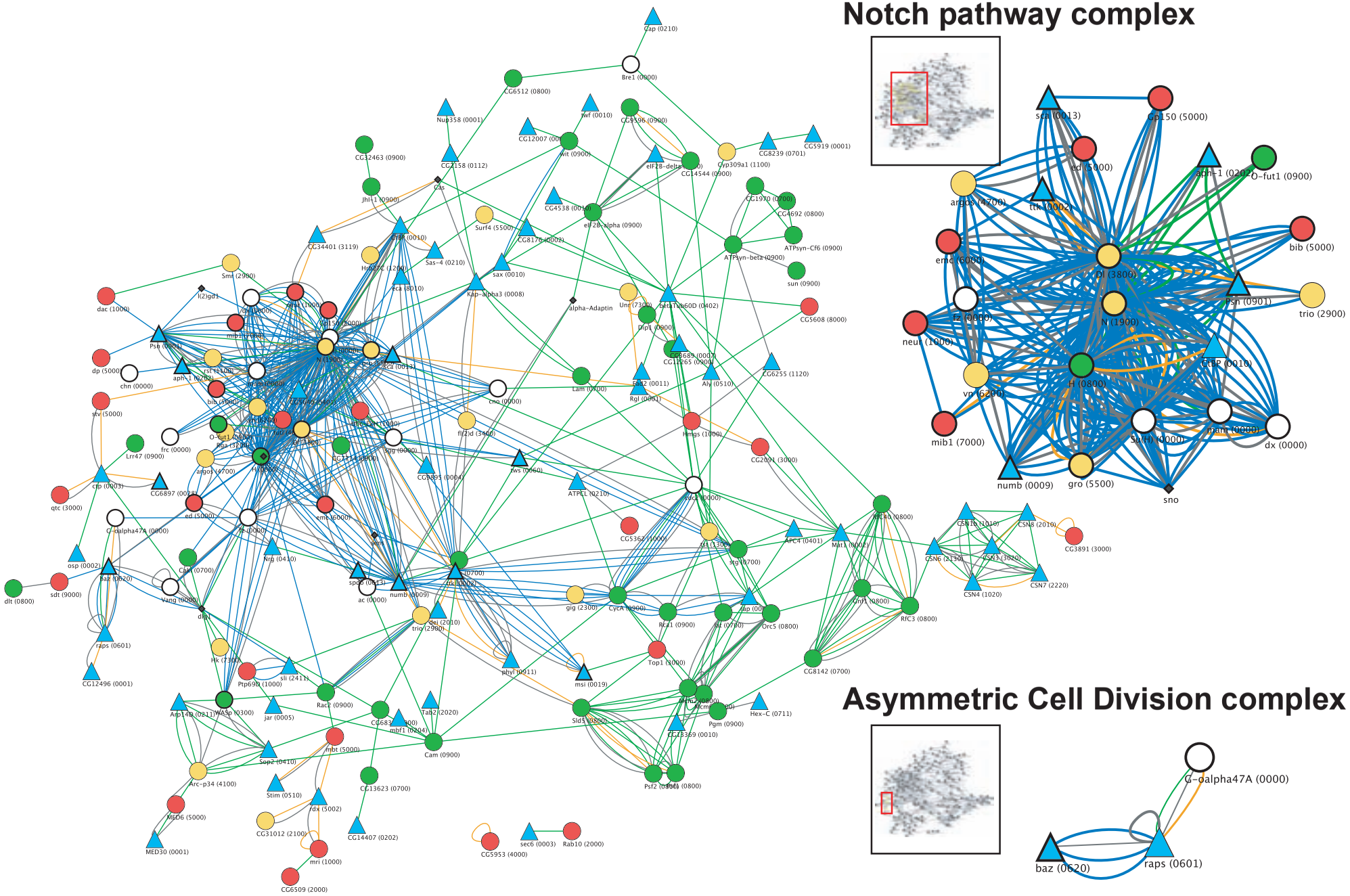
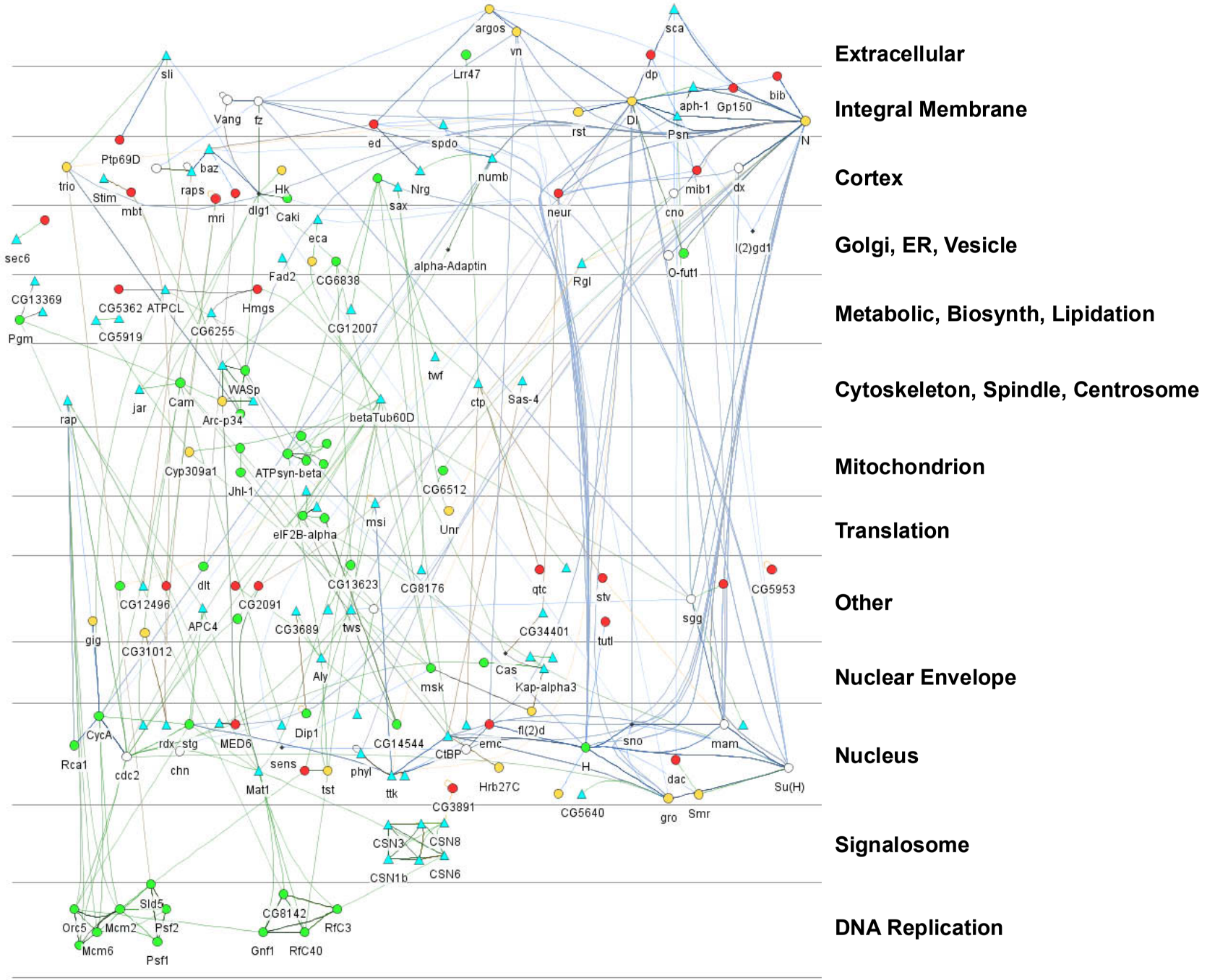

Notch pathway complex
Asymmetric Cell Division complex
Cap (0210)
Bre1 (0900)
CG6512 (0800)
Nup358 (0001)
CG12007 (0000)
lwf (0010)
CG4596 (0900)
CG8239 (0701)
CG5919 (0001)
CG32463 (0900)
CG2158 (0112)
wit (0900)
eIF2B-delta (0000)
CG14544 (0900)
Cyp309a1 (1100)
Jhl-1 (0900)
Cas
CG4538 (0010)
CG19X0 (0700)
CG4692 (0800)
eIF2B-alpha (0900)
Surf4 (5500)
CG8178 (0002)
ATPsyn-Cf6 (0900)
CG34401 (3119)
Hrb27C (1200)
Sas-4 (0210)
sax (0010)
ATPsyn-beta (0900)
sun (0900)
Sma (2000)
Kca (0010)
Kap-alpha3 (0008)
alpha-Adaptin
Unr (7300)
beta1Tub60D (0402)
CG5608 (8000)
dac (1000)
l(2)gd1
Dip1 (0900)
CG6689 (0007)
CG12265 (0900)
CG6255 (1120)
Psh (0800)
dp (5000)
chn (0000)
aph-1 (0203)
Lam (0700)
Fak2 (0011)
Rgl (0001)
AIN (0510)
stv (5000)
bib (0000)
cno (0000)
fl(2)d (3400)
Hmgs (1000)
CG2091 (3000)
frc (0000)
Lrr47 (0900)
sqq (0000)
CG6895 (0004)
Aws (0060)
ATPCL (0210)
cic (0000)
CG14434 (0800)
CSN10 (1010)
CSN8 (2010)
CG3891 (3000)
CG3624 (1000)
CG6897 (0002)
ed (5000)
emb (6000)
qtc (3000)
G-alpha47A (0000)
Nrg (0410)
Chd1 (0700)
osp (0002)
baz (0620)
sdt (9000)
dlt (0800)
Vang (0000)
dgt1
spdo (0013)
numb (0009)
ac (0000)
dsh (0700)
gig (2300)
CycA (0900)
Rca1 (0900)
Rl (0700)
Cdp (0070)
Orc5 (0800)
Mat1 (0003)
CSN6 (2130)
CSN5 (3020)
CSN4 (1020)
CSN7 (2220)
APC4 (0401)
sgg (0700)
Chif (0800)
RfC3 (0800)
CG8142 (0700)
raps (0601)
CG12496 (0001)
Hx (7300)
sli (2411)
Ptp69D (1000)
phyl (0911)
msi (0019)
Top1 (5000)
Rac2 (0900)
Arp14D (0211)
WASp (0300)
jar (0005)
Tab2 (2020)
CG6837 (0000)
mbf1 (6204)
Sld5 (0800)
Mcm6 (0800)
Pgm (0900)
Hex-C (0711)
CG18369 (0010)
fmbt (5000)
Sop2 (0410)
Cam (0900)
Psf2 (0900)
CG8036 (0800)
Arc-p34 (4100)
Stim (0510)
CG13623 (0700)
MED6 (5000)
7dx (5002)
CG31012 (2100)
CG14407 (0202)
MED30 (0001)
mri (1000)
CG6509 (2000)
CG5953 (4000)
sec6 (0003)
Rab10 (2000)
scb (0013)
Gp150 (5000)
sdt (5000)
aph-1 (0202)
O-fut1 (0900)
argos (4700)
ttk (0002)
emc (6000)
bib (5000)
Dl (3800)
Psn (0901)
trio (2900)
Lz (0000)
N (1900)
neur (1000)
GRIP (0010)
vn (6200)
H (0800)
mib1 (7000)
Su(H) (0000)
mam (0000)
dx (0000)
numb (0009)
gro (5500)
sno

Figure 15. Network arranged according to subcellular localization of each node

A pathway layout based on subcellular localization. Nodes from the Notch and asymmetric cell division network are shown, arranged according to their predicted subcellular localization, in order to visualize potential signaling cascades communicating information from extracellular areas to the nucleus or to effector complexes. Note that dynamic localizations cannot be represented so the localization first in the signaling hierarchy was used when multiple localizations are reported. For symbol legend, see Figure 14.



Extracellular

Integral Membrane

Cortex

Golgi, ER, Vesicle

Metabolic, Biosynth, Lipidation

Cytoskeleton, Spindle, Centrosome

Mitochondrion

Translation

Other

Nuclear Envelope

Nucleus

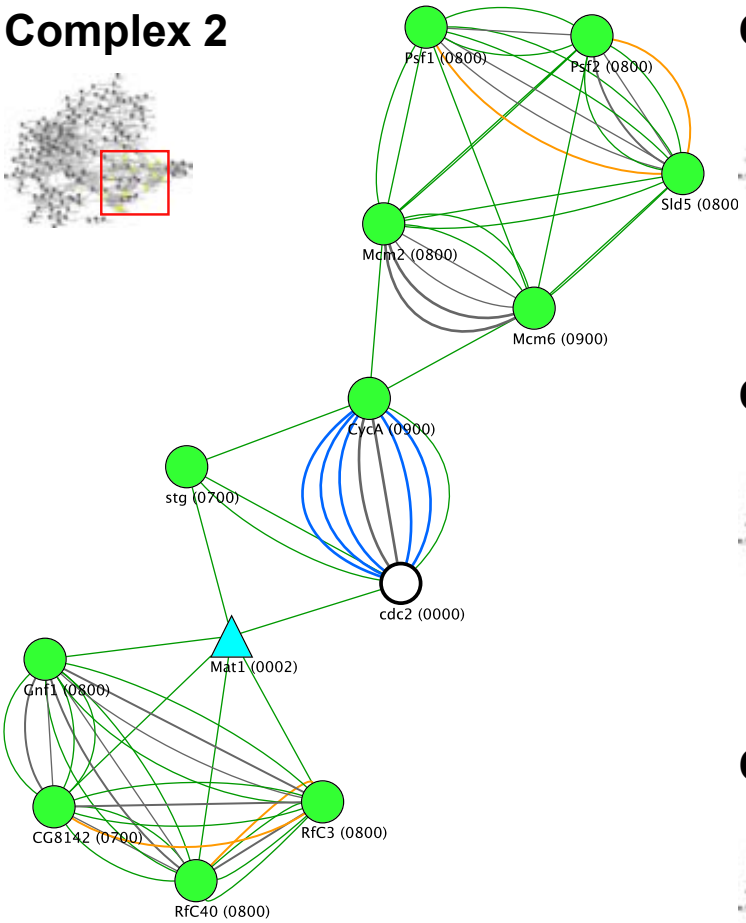
Signalosome

DNA Replication

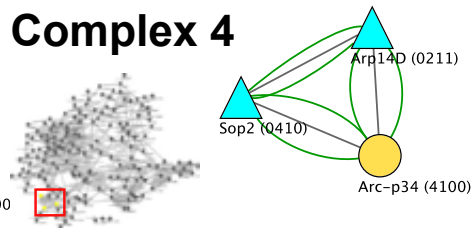
Figure 16. Additional MCODE derived complexes from the Notch and asymmetric cell division network

A total of 12 complexes were identified in the network by MCODE. Complexes one, three, six and nine are shown in other figures.

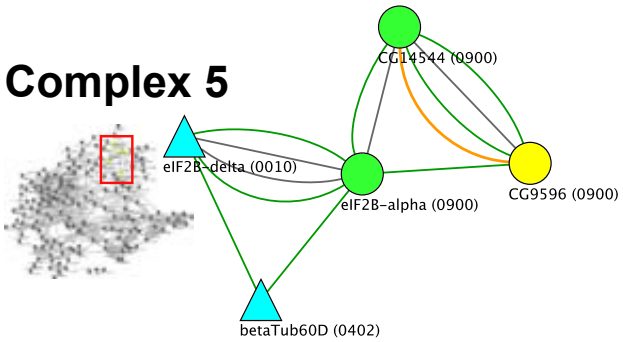
Complex 2



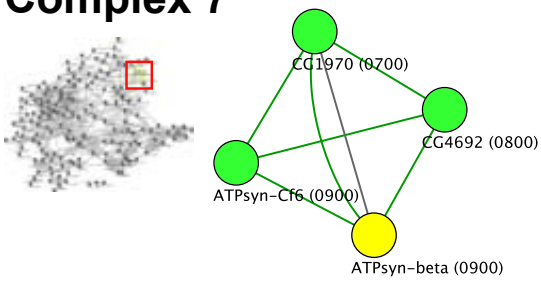
Complex 4



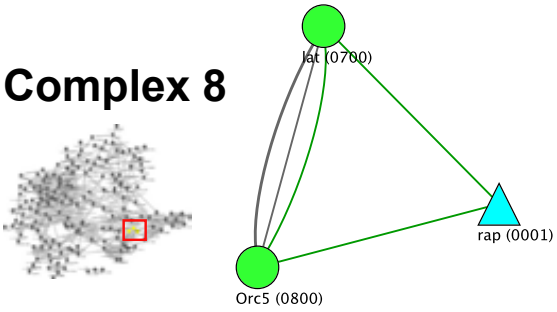
Complex 5



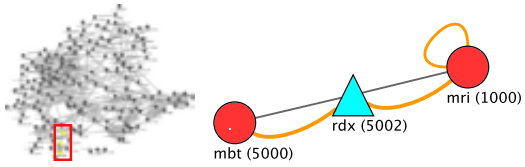
Complex 7



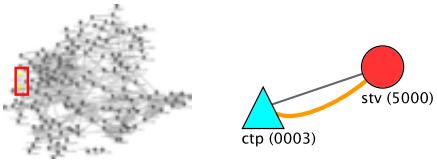
Complex 8



Complex 10



Complex 11



Complex 12

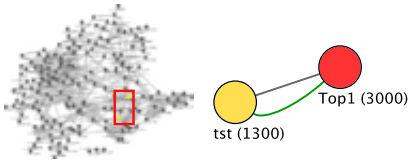


Figure 17. Nuclear import and the COP9 signalosome regulate Notch signaling and asymmetric cell division

A close-up of the MCODE derived complex ranked ninth shows nodes for *dCAS* and *Kap-α3* (a). Both knockdown of *Kap-α3* (b, close up in b') and *Kap-α3* mutant clones (c, close up in c') result in multiple socket phenotypes. A close-up of the MCODE derived complex ranked third shows nodes for the COP9 signalosome (d). Knockdown of *CSN7* (e, close up in f) and both *CSN4* (g) and *CSN5* (h) mutant clones give rise to two hair, two socket phenotypes.

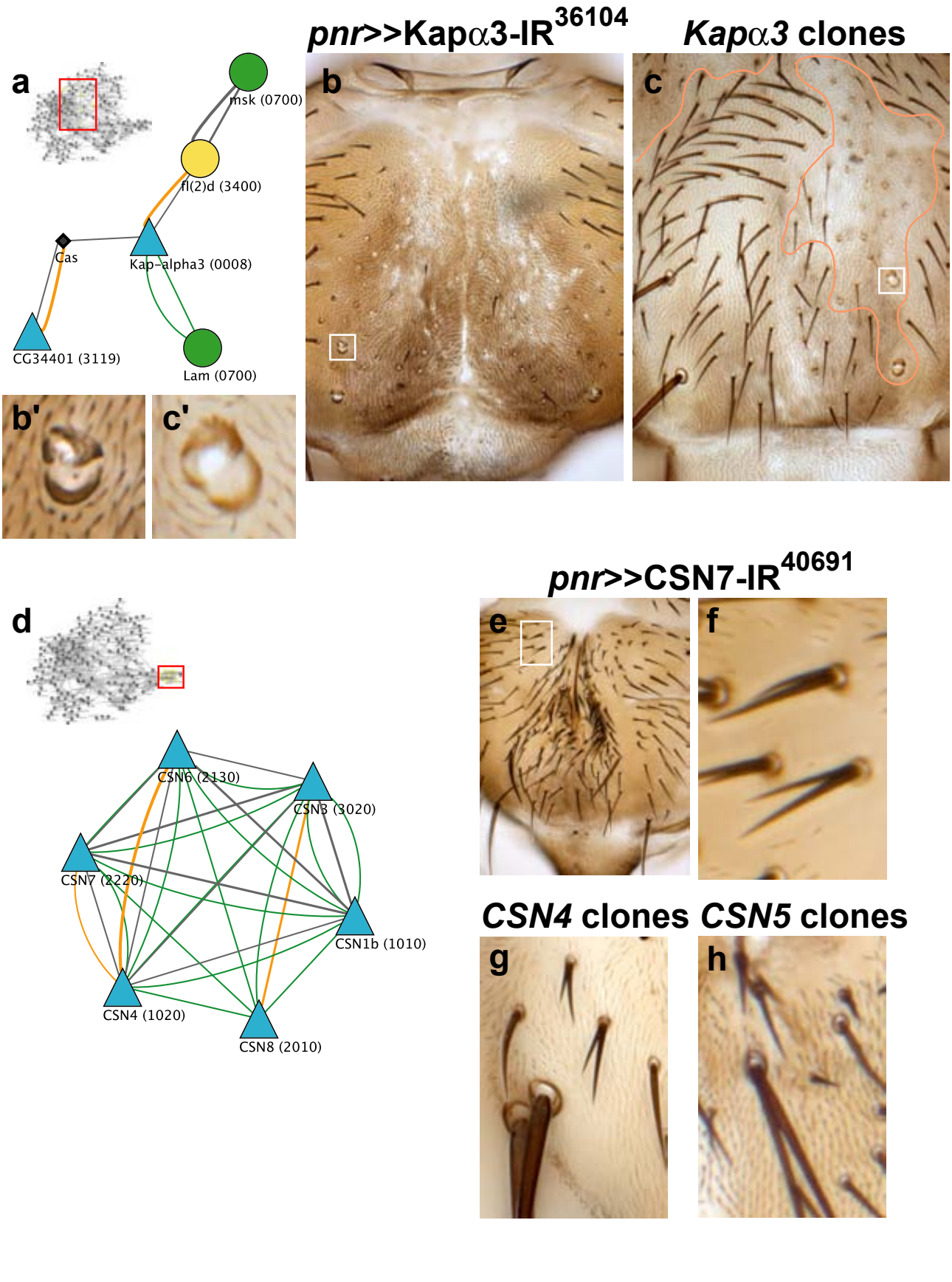
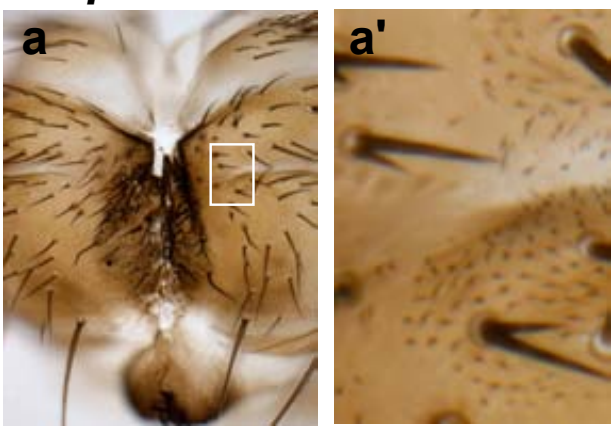

pnr>>Kapα3-IR36104
Kapα3 clones
a
msk (0700)
fl(2)d (3400)
Cas
Kap-alpha3 (0008)
CG34401 (3119)
Lam (0700)
b
c
b'
c'
d
CSN6 (2130)
CSN3 (3020)
CSN7 (2220)
CSN1b (1010)
CSN4 (1020)
CSN8 (2010)
pnr>>CSN7-IR40691
e
f
CSN4 clones
CSN5 clones
g
h

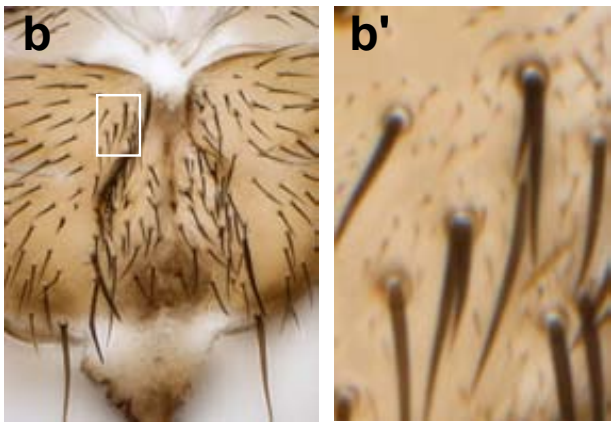
Figure 18. COP9 signalosome knockdown causes cell fate transformations and gain of bristles phenotypes

Notum phenotypes (a to e, close ups a' to e') for knockdown of the indicated COP9 signalosome subunits show cell fate transformations (two hair and two socket), gain of bristles and notum malformation due to cell death. In some cases, the gain of bristles may be a secondary effect of notum malformation. *CSN4* mutant clones cause tufts of wing margin bristles (f).

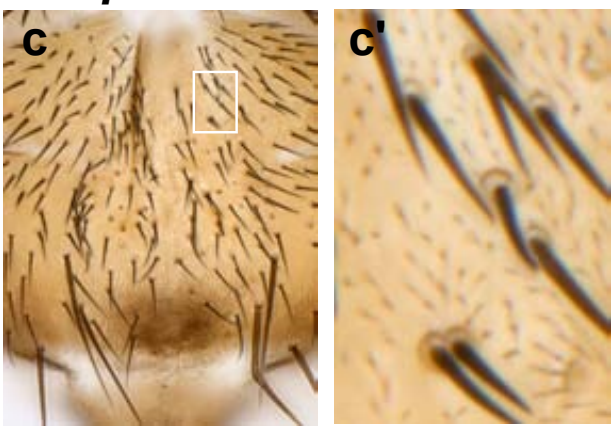
pnr>>CSN1b-IR^{34727}



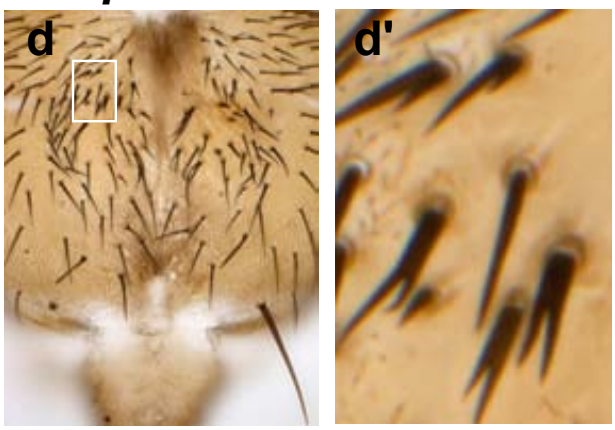
pnr>>CSN3-IR^{12822}



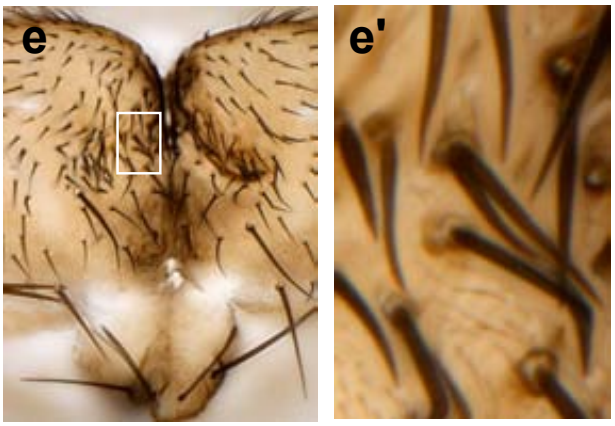
pnr>>CSN4-IR^{28942}



pnr>>CSN6-IR^{22307}



pnr>>CSN8-IR^{50566}



CSN4 clones

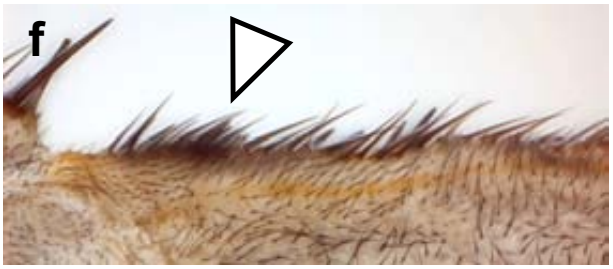
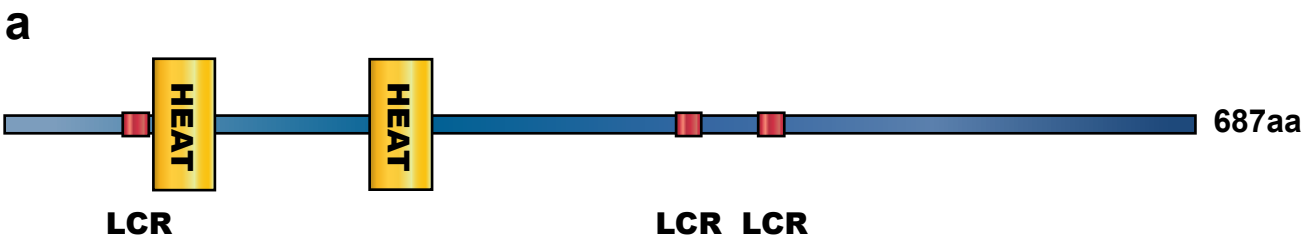
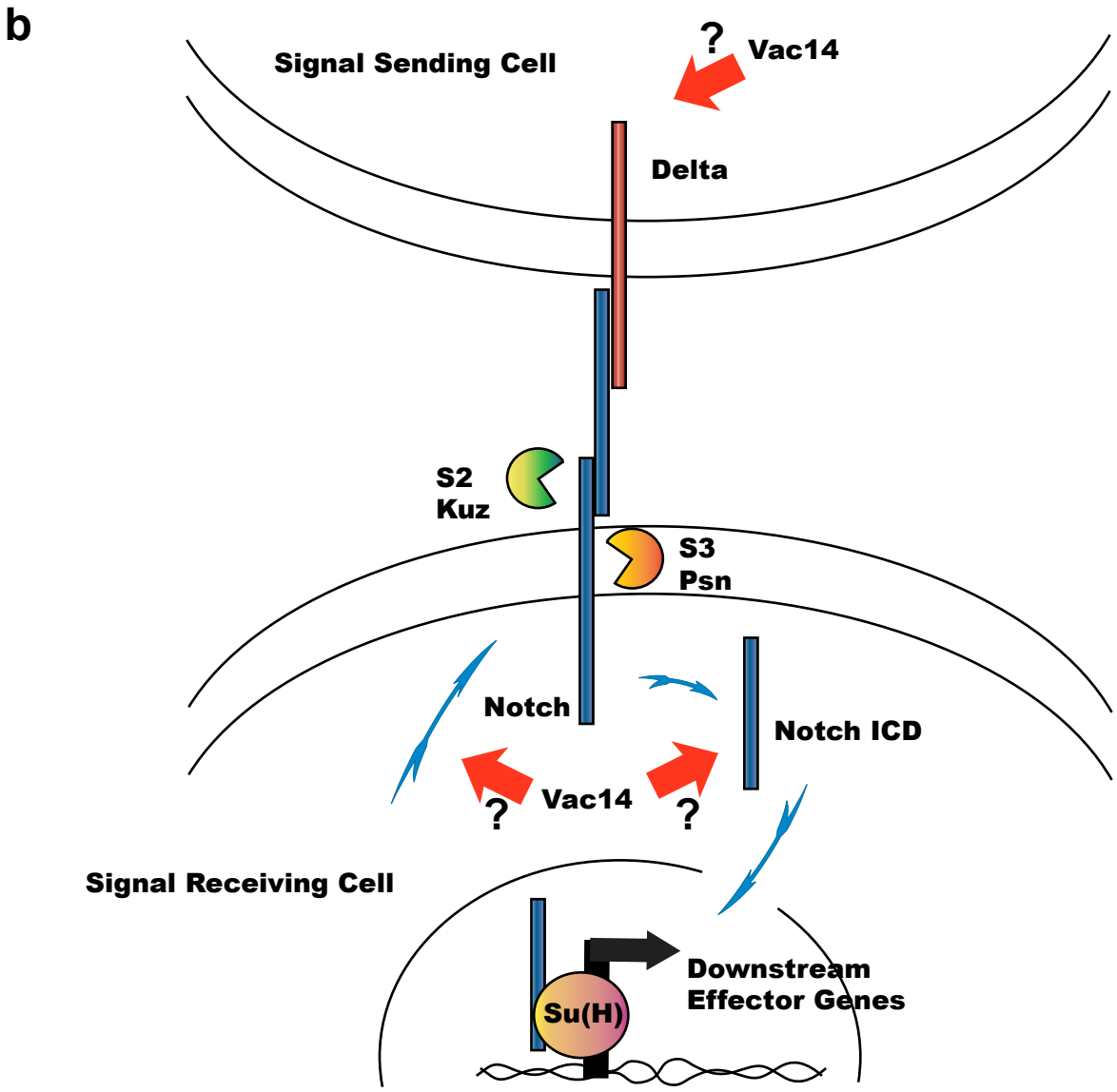


Figure 19. *Vac14*, acts upstream of Su(H) transcription in Notch signaling

Drosophila Vac14 is predicted to encode a 687 amino acid protein (a) containing Low Complexity Regions (LCR) and HEAT repeats. Vac14 regulates Fab1/PIKfyve, a PI(3)P-5 kinase, to regulate membrane trafficking. We speculate that *CG5608* is therefore required for endocytic trafficking of components of Notch signaling, and might function in the signal receiving cell (b, bottom) in promoting delivery of Notch to the plasma membrane, endocytosis and recycling of the receptor, or for translocation of the Notch intracellular domain (ICD) to the nucleus following activation. Alternatively, Vac14 could promote delivery of the Notch ligands (e.g. Delta) to the surface of the signal sending cell (b, top), or influence their activity by regulating their endocytosis and recycling.


a
HEAT
HEAT
687aa
LCR
LCR LCR


b
Signal Sending Cell
?
Vac14
Delta
S2
Kuz
S3
Psn
Notch
Notch ICD
?
Vac14
?
Signal Receiving Cell
Su(H)
Downstream
Effector Genes

Tables

Table 1. Bristle prescreen results

This table is continued over three pages.

JM Number	Construct	Transformant	CG number	Gene Symbol	Gene Synonyms	GAL4 line	Temp	Phenotype Colour	Phenotype	Comment
19	122G6	T2	CG5462	scrib	scribbled	fz3	29		extra M at sc utellum	
20	122G6	T3	CG5462	scrib	scribbled	fz3	29		no phenotype	
21	122G6	T4	CG5462	scrib	scribbled	fz3	29		lethal	
22	123A4	T1	CG5692	raps	rapsynoid	fz3	29		empty sockets	
23	123A7		CG5771	Rab11	Rab-protein 11	fz3	29		lethal	
32	129E3		CG7867	nuf	nuclear fallout	fz3	29		no phenotype	
33	129E3		CG7867	nuf	nuclear fallout	fz3	29		no phenotype	
34	12H12	T3	CG4482	mol	moladietz nip CG15268	fz3	29		no phenotype	
35	122G6	T1	CG5462	scrib	scribbled	fz3	29		lethal	
52	14B5	T2	CG5248	loco	CG17229 locomotion defects	fz3	29		no phenotype	
53	14B5	T3	CG5248	loco	CG17229 locomotion defects	fz3	29		rare loss of M	
54	14B5	T4	CG5248	loco	CG17229 locomotion defects	fz3	29		no phenotype	
58	15H5	T2	CG5055	baz	Par3	fz3	29		gain and loss M on same fly	
59	15H5	T1	CG5055	baz	Par3	fz3	29		duplicated hairs and loss	
60				white minus		fz3	29		no phenotype	
61	16C8	T1	CG3779	numb	nb	fz3	29		empty or multiple sockets	
66	2B7	T1	CG3619	Dl	Delta	fz3	29		lethal	
67	2B7	T1	CG3619	Dl	Delta	fz3	29		adults die in food, gain of bristles	
68	2B7	T2	CG3619	Dl	Delta	fz3	29		adults die in food	
69	2B7	T2	CG3619	Dl	Delta	fz3	29		adults die in food, gain of bristles	
70	2H6	T1	CG3936	N	Notch split	fz3	29		lethal, escapers mild gain of bristles	
71	2C7		CG6127	Ser	Serrate Beaded Ripped wing	fz3	29		adults die in food, pupal lethal	
72	2H6	T1	CG3936	N	Notch split	fz3	29		lethal	
73	32B1	T1	CG1539	spdo	sanpodo CG11493 CG15540	fz3	29		mild loss and rare duplication of hairs	
74	32B8	T1	CG1539	spdo	sanpodo CG11493 CG15540	fz3	29		no phenotype	
77	3D8	T1	CG7012	nct	nicastrin agro	fz3	29		no phenotype	
78	3D8	T2	CG7012	nct	nicastrin agro	fz3	29		no phenotype	
79	43H2	T1	CG5884	par-6		fz3	29		lethal	
80	43H2	T2	CG5884	par-6		fz3	29		lethal	
81	47B8	T3	CG11988	neur	neuralized	fz3	29		mild gain of bristles on head	
82	47B8	T4	CG11988	neur	neuralized	fz3	29		mild gain of bristles on head, M only	
83	47B8		CG11988	neur	neuralized	fz3	29		gain of bristles, duplicated hairs, both head and notum	
86	49H2	T1	CG5868	psn	Presenilin Dps CG18803	fz3	29		lethal	
124	16B7	T1	CG5099	msi		fz3	29		lethal	
125	17H1	T2	CG3497	Su(H)		fz3	29		not checked	bad cross
126	17H1	T3	CG3497	Su(H)		fz3	29		no phenotype	
141	15F3	T2	CG10261	aPKC		fz3	29		lethal	
144	14B5	T2	CG5248	loco	CG17229	fz3	29		no phenotype	
146	130D8	T1	CG3258	ase		fz3	29		no phenotype	
147	130D8	T2	CG3258	ase		fz3	29		no phenotype	
148	130D8	T3	CG3258	ase		fz3	29		no phenotype	
19	122G6	T2	CG5462	scrib	scribbled	fz3	25		loss of M on head	
20	122G6	T3	CG5462	scrib	scribbled	fz3	25		loss of M on head	
21	122G6	T4	CG5462	scrib	scribbled	fz3	25		lethal	
22	123A4	T1	CG5692	raps	rapsynoid	fz3	25		rare loss of m and empty/multiple sockets	
23	123A7		CG5771	Rab11	Rab-protein 11	fz3	25		lethal	
32	129E3		CG7867	nuf	nuclear fallout	fz3	25		not checked	
33	129E3		CG7867	nuf	nuclear fallout	fz3	25		not checked	
34	12H12	T3	CG4482	mol	moladietz nip CG15268	fz3	25		not checked	
35	122G6	T1	CG5462	scrib	scribbled	fz3	25		lethal	
52	14B5	T2	CG5248	loco	CG17229 locomotion defects	fz3	25		no phenotype	
53	14B5	T3	CG5248	loco	CG17229 locomotion defects	fz3	25		rare loss of m and empty/multiple sockets	
54	14B5	T4	CG5248	loco	CG17229 locomotion defects	fz3	25		no phenotype	
58	15H5	T2	CG5055	baz	Par3	fz3	25		no phenotype	
59	15H5	T1	CG5055	baz	Par3	fz3	25		loss of m and duplicated hairs	
60				white minus		fz3	25		no phenotype	
61	16C8	T1	CG3779	numb	nb	fz3	25		empty or multiple s ockets, M only, head and notum	
66	2B7	T1	CG3619	Dl	Delta	fz3	25		gain of bristles, head and notum	
67	2B7	T1	CG3619	Dl	Delta	fz3	25		adults die in food, gain of bristles	
68	2B7	T2	CG3619	Dl	Delta	fz3	25		gain of bristles	
69	2B7	T2	CG3619	Dl	Delta	fz3	25		gain of bristles	
70	2H6	T1	CG3936	N	Notch split	fz3	25		lethal, escapers with rare gain of bristles	
71	2C7		CG6127	Ser	Serrate Beaded Ripped wing	fz3	25		adults die in food, escapers have no phenotype	
72	2H6	T1	CG3936	N	Notch split	fz3	25		lethal	
73	32B1	T1	CG1539	spdo	sanpodo CG11493 CG15540	fz3	25		no phenotype	
74	32B8	T1	CG1539	spdo	sanpodo CG11493 CG15540	fz3	25		no phenotype	
77	3D8	T1	CG7012	nct	nicastrin agro	fz3	25		not checked	
78	3D8	T2	CG7012	nct	nicastrin agro	fz3	25		not checked	
79	43H2	T1	CG5884	par-6		fz3	25		not checked	bad cross
80	43H2	T2	CG5884	par-6		fz3	25		not checked	bad cross
81	47B8	T3	CG11988	neur	neuralized	fz3	25		no phenotype	
82	47B8	T4	CG11988	neur	neuralized	fz3	25		no phenotype	
83	47B8		CG11988	neur	neuralized	fz3	25		no phenotype	
86	49H2	T1	CG5868	psn	Presenilin Dps CG18803	fz3	25		strong loss of bristles, m only	
124	16B7	T1	CG5099	msi		fz3	25		empty or multiple sockets	
125	17H1	T2	CG3497	Su(H)		fz3	25		not checked	bad cross
126	17H1	T3	CG3497	Su(H)		fz3	25		no phenotype	
141	15F3	T2	CG10261	aPKC		fz3	25		loss of bristles and gain of bristles on same fly	
144	14B5	T2	CG5248	loco	CG17229	fz3	25		no phenotype	
146	130D8	T1	CG3258	ase		fz3	25		no phenotype	
147	130D8	T2	CG3258	ase		fz3	25		no phenotype	
148	130D8	T3	CG3258	ase		fz3	25		no phenotype	
19	122G6	T2	CG5462	scrib	scribbled	fz3	18		rare loss of M	
20	122G6	T3	CG5462	scrib	scribbled	fz3	18		loss of M on head	
21	122G6	T4	CG5462	scrib	scribbled	fz3	18		lethal	
22	123A4	T1	CG5692	raps	rapsynoid	fz3	18		no phenotype	
23	123A7		CG5771	Rab11	Rab-protein 11	fz3	18		lethal, escapers no phenotype	
32	129E3		CG7867	nuf	nuclear fallout	fz3	18		not checked	
33	129E3		CG7867	nuf	nuclear fallout	fz3	18		not checked	
34	12H12	T3	CG4482	mol	moladietz nip CG15268	fz3	18		not checked	
35	122G6	T1	CG5462	scrib	scribbled	fz3	18		lethal	
52	14B5	T2	CG5248	loco	CG17229 locomotion defects	fz3	18		not checked	
53	14B5	T3	CG5248	loco	CG17229 locomotion defects	fz3	18		no phenotype	
54	14B5	T4	CG5248	loco	CG17229 locomotion defects	fz3	18		not checked	
58	15H5	T2	CG5055	baz	Par3	fz3	18		no phenotype	
59	15H5	T1	CG5055	baz	Par3	fz3	18		duplicated hairs	
60				white minus		fz3	18		no phenotype	
61	16C8	T1	CG3779	numb	nb	fz3	18		empty or multiple sockets, mostly M, some m affected	
66	2B7	T1	CG3619	Dl	Delta	fz3	18		strong gain of bristles, m only	
67	2B7	T1	CG3619	Dl	Delta	fz3	18		gain of bristles, m only	
68	2B7	T2	CG3619	Dl	Delta	fz3	18		gain of bristles, m only	
69	2B7	T2	CG3619	Dl	Delta	fz3	18		gain of bristles, m only	
70	2H6	T1	CG3936	N	Notch split	fz3	18		gain of bristles, m only	
71	2C7		CG6127	Ser	Serrate Beaded Ripped wing	fz3	18		no phenotype	
72	2H6	T1	CG3936	N	Notch split	fz3	18		lethal, escapers no phenotype	
73	32B1	T1	CG1539	spdo	sanpodo CG11493 CG15540	fz3	18		not checked	
74	32B8	T1	CG1539	spdo	sanpodo CG11493 CG15540	fz3	18		no phenotype	
77	3D8	T1	CG7012	nct	nicastrin agro	fz3	18		not checked	
78	3D8	T2	CG7012	nct	nicastrin agro	fz3	18		not checked	
79	43H2	T1	CG5884	par-6		fz3	18		not checked	bad cross
80	43H2	T2	CG5884	par-6		fz3	18		not checked	bad cross
81	47B8	T3	CG11988	neur	neuralized	fz3	18		no phenotype	
82	47B8	T4	CG11988	neur	neuralized	fz3	18		no phenotype	
83	47B8		CG11988	neur	neuralized	fz3	18		not checked	
86	49H2	T1	CG5868	psn	Presenilin Dps CG18803	fz3	18		loss of m	
124	16B7	T1	CG5099	msi		fz3	18		empty or multiple sockets, rare duplicated M	
125	17H1	T2	CG3497	Su(H)		fz3	18		no phenotype	
126	17H1	T3	CG3497	Su(H)		fz3	18		not checked	
141	15F3	T2	CG10261	aPKC		fz3	18		no phenotype	
144	14B5	T2	CG5248	loco	CG17229	fz3	18		no phenotype	
146	130D8	T1	CG3258	ase		fz3	18		not checked	
147	130D8	T2	CG3258	ase		fz3	18		not checked	
148	130D8	T3	CG3258	ase		fz3	18		not checked	
19	122G6	T2	CG5462	scrib	scribbled	pnr	29		empty soc ket, short h airs, some remnants of hairs, loss of M at scutellum	
20	122G6	T3	CG5462	scrib	scribbled	pnr	29		bristle morphology defects	
21	122G6	T4	CG5462	scrib	scribbled	pnr	29		lethal	
22	123A4	T1	CG5692	raps	rapsynoid	pnr	29		loss of m and empty sockets	
23	123A7		CG5771	Rab11	Rab-protein 11	pnr	29		no phenotype	
32	129E3		CG7867	nuf	nuclear fallout	pnr	29		no phenotype	

JM Number	Construct	Transformant	CG number	Gene Symbol	Gene Synonyms	GAL4 line	Temp	Phenotype Colour	Phenotype	Comment
33	129E3		CG7867	nuf	nuclear fallout	pnr	29		not checked	bad cross
34	12H12	T3	CG4482	mol	moladietz nip CG15268	pnr	29		no phenotype	
35	122G6	T1	CG5462	scrib	scribbled	pnr	29		lethal	
52	14B5	T2	CG5248	loco	CG17229 locomotion defects	pnr	29		no phenotype	
53	14B5	T3	CG5248	loco	CG17229 locomotion defects	pnr	29		loss of m and empty sockets	
54	14B5	T4	CG5248	loco	CG17229 locomotion defects	pnr	29		no phenotype	
58	15H5	T2	CG5055	baz	Par3	pnr	29		duplicated hairs and loss	
59	15H5	T1	CG5055	baz	Par3	pnr	29		duplicated hairs and loss	
60				white minus		pnr	29		no phenotype	
61	16C8	T1	CG3779	numb	nb	pnr	29		strong empty or multiple sockets	
66	2B7	T1	CG3619	Dl	Delta	pnr	29		strong gain of bristles	
67	2B7	T1	CG3619	Dl	Delta	pnr	29		strong gain of bristles	
68	2B7	T2	CG3619	Dl	Delta	pnr	29		strong gain of bristles	
69	2B7	T2	CG3619	Dl	Delta	pnr	29		strong gain of bristles	
70	2H6	T1	CG3936	N	Notch split	pnr	29		notum death malformation, loss of bristles, duplicated hairs	
71	2C7		CG6127	Ser	Serrate Beaded Ripped wing	pnr	29		no phenotype	
72	2H6	T1	CG3936	N	Notch split	pnr	29		notum death malformation, loss of bristles	
73	32B1	T1	CG1539	spdo	sanpodo CG11493 CG15540	pnr	29		stronger loss of bristles, rare duplication of hairs	
74	32B8	T1	CG1539	spdo	sanpodo CG11493 CG15540	pnr	29		no phenotype	
77	3D8	T1	CG7012	nct	nicastrin agro	pnr	29		no phenotype	
78	3D8	T2	CG7012	nct	nicastrin agro	pnr	29		no phenotype	
79	43H2	T1	CG5884	par-6		pnr	29		lethal	
80	43H2	T2	CG5884	par-6		pnr	29		lethal	
81	47B8	T3	CG11988	neur	neuralized	pnr	29		gain of bristles, duplicated hairs	
82	47B8	T4	CG11988	neur	neuralized	pnr	29		mild gain of bristles on head and notum	
83	47B8		CG11988	neur	neuralized	pnr	29		gain of bristles, duplicated hairs	
86	49H2	T1	CG5868	psn	Presenilin Dps CG18803	pnr	29		strong loss of bristles	
124	16B7	T1	CG5099	msi		pnr	29		strong duplication of hairs and empty/multiple sockets	
125	17H1	T2	CG3497	Su(H)		pnr	29		no phenotype	
126	17H1	T3	CG3497	Su(H)		pnr	29		no phenotype	
141	15F3	T2	CG10261	aPKC		pnr	29		lethal	
144	14B5	T2	CG5248	loco	CG17229	pnr	29		rare empty sockets	
146	130D8	T1	CG3258	ase		pnr	29		no phenotype	
147	130D8	T2	CG3258	ase		pnr	29		rare multiple sockets, loss of bristles	
148	130D8	T3	CG3258	ase		pnr	29		no phenotype	
19	122G6	T2	CG5462	scrib	scribbled	pnr	25		loss of notum m and empty sockets	
20	122G6	T3	CG5462	scrib	scribbled	pnr	25		rare loss of notum m and empty sockets	
21	122G6	T4	CG5462	scrib	scribbled	pnr	25		lethal	
22	123A4	T1	CG5692	raps	rapsynoid	pnr	25		loss of m and empty/multiple sockets	
23	123A7		CG5771	Rab11	Rab-protein 11	pnr	25		lethal?	
32	129E3		CG7867	nuf	nuclear fallout	pnr	25		not checked	
33	129E3		CG7867	nuf	nuclear fallout	pnr	25		not checked	
34	12H12	T3	CG4482	mol	moladietz nip CG15268	pnr	25		not checked	
35	122G6	T1	CG5462	scrib	scribbled	pnr	25		lethal	
52	14B5	T2	CG5248	loco	CG17229 locomotion defects	pnr	25		no phenotype	
53	14B5	T3	CG5248	loco	CG17229 locomotion defects	pnr	25		rare loss of m and empty/multiple sockets	
54	14B5	T4	CG5248	loco	CG17229 locomotion defects	pnr	25		no phenotype	
58	15H5	T2	CG5055	baz	Par3	pnr	25		loss of m and rare empty/multiple sockets, rare duplicated hairs	
59	15H5	T1	CG5055	baz	Par3	pnr	25		loss of m and duplicated hairs	
60				white minus		pnr	25		no phenotype	
61	16C8	T1	CG3779	numb	nb	pnr	25		strong empty or multiple sockets	
66	2B7	T1	CG3619	Dl	Delta	pnr	25		strong gain of bristles	
67	2B7	T1	CG3619	Dl	Delta	pnr	25		gain of bristles, m only	
68	2B7	T2	CG3619	Dl	Delta	pnr	25		gain of bristles	
69	2B7	T2	CG3619	Dl	Delta	pnr	25		gain of bristles	
70	2H6	T1	CG3936	N	Notch split	pnr	25		gain of bristles, some notum death malformation	
71	2C7		CG6127	Ser	Serrate Beaded Ripped wing	pnr	25		no phenotype	
72	2H6	T1	CG3936	N	Notch split	pnr	25		notum death malformation, loss of bristles	
73	32B1	T1	CG1539	spdo	sanpodo CG11493 CG15540	pnr	25		no phenotype	
74	32B8	T1	CG1539	spdo	sanpodo CG11493 CG15540	pnr	25		no phenotype	
77	3D8	T1	CG7012	nct	nicastrin agro	pnr	25		not checked	
78	3D8	T2	CG7012	nct	nicastrin agro	pnr	25		not checked	
79	43H2	T1	CG5884	par-6		pnr	25		not checked	bad cross
80	43H2	T2	CG5884	par-6		pnr	25		lethal	
81	47B8	T3	CG11988	neur	neuralized	pnr	25		no phenotype	
82	47B8	T4	CG11988	neur	neuralized	pnr	25		no phenotype	
83	47B8		CG11988	neur	neuralized	pnr	25		no phenotype	
86	49H2	T1	CG5868	psn	Presenilin Dps CG18803	pnr	25		strong loss of bristles	
124	16B7	T1	CG5099	msi		pnr	25		empty or multiple sockets, duplicated hairs	
125	17H1	T2	CG3497	Su(H)		pnr	25		no phenotype	
126	17H1	T3	CG3497	Su(H)		pnr	25		no phenotype	
141	15F3	T2	CG10261	aPKC		pnr	25		notum death malformation	
144	14B5	T2	CG5248	loco	CG17229	pnr	25		no phenotype	
146	130D8	T1	CG3258	ase		pnr	25		no phenotype	
147	130D8	T2	CG3258	ase		pnr	25		no phenotype	
148	130D8	T3	CG3258	ase		pnr	25		no phenotype	
19	122G6	T2	CG5462	scrib	scribbled	pnr	18		rare loss of bristles	
20	122G6	T3	CG5462	scrib	scribbled	pnr	18		no phenotype	
21	122G6	T4	CG5462	scrib	scribbled	pnr	18		lethal	
22	123A4	T1	CG5692	raps	rapsynoid	pnr	18		no phenotype	
23	123A7		CG5771	Rab11	Rab-protein 11	pnr	18		lethal	
32	129E3		CG7867	nuf	nuclear fallout	pnr	18		not checked	
33	129E3		CG7867	nuf	nuclear fallout	pnr	18		not checked	
34	12H12	T3	CG4482	mol	moladietz nip CG15268	pnr	18		not checked	
35	122G6	T1	CG5462	scrib	scribbled	pnr	18		lethal, escapers with strong notum malformation	
52	14B5	T2	CG5248	loco	CG17229 locomotion defects	pnr	18		not checked	
53	14B5	T3	CG5248	loco	CG17229 locomotion defects	pnr	18		no phenotype	
54	14B5	T4	CG5248	loco	CG17229 locomotion defects	pnr	18		not checked	
58	15H5	T2	CG5055	baz	Par3	pnr	18		no phenotype	
59	15H5	T1	CG5055	baz	Par3	pnr	18		duplicated hairs	
60				white minus		pnr	18		no phenotype	
61	16C8	T1	CG3779	numb	nb	pnr	18		strong empty or multiple sockets	
66	2B7	T1	CG3619	Dl	Delta	pnr	18		strong gain of bristles, m only	
67	2B7	T1	CG3619	Dl	Delta	pnr	18		gain of bristles, m only	
68	2B7	T2	CG3619	Dl	Delta	pnr	18		gain of bristles, m only	
69	2B7	T2	CG3619	Dl	Delta	pnr	18		not checked	bad cross
70	2H6	T1	CG3936	N	Notch split	pnr	18		gain of bristles, m only, rare notum death malformation	
71	2C7		CG6127	Ser	Serrate Beaded Ripped wing	pnr	18		no phenotype	
72	2H6	T1	CG3936	N	Notch split	pnr	18		lethal, escapers loss of bristles and notum death malformation	
73	32B1	T1	CG1539	spdo	sanpodo CG11493 CG15540	pnr	18		not checked	
74	32B8	T1	CG1539	spdo	sanpodo CG11493 CG15540	pnr	18		no phenotype	
77	3D8	T1	CG7012	nct	nicastrin agro	pnr	18		not checked	
78	3D8	T2	CG7012	nct	nicastrin agro	pnr	18		not checked	
79	43H2	T1	CG5884	par-6		pnr	18		not checked	bad cross
80	43H2	T2	CG5884	par-6		pnr	18		not checked	bad cross
81	47B8	T3	CG11988	neur	neuralized	pnr	18		no phenotype	
82	47B8	T4	CG11988	neur	neuralized	pnr	18		no phenotype	
83	47B8		CG11988	neur	neuralized	pnr	18		not checked	
86	49H2	T1	CG5868	psn	Presenilin Dps CG18803	pnr	18		stronger loss of bristles, rare duplication of hairs	
124	16B7	T1	CG5099	msi		pnr	18		empty or multiple sockets	
125	17H1	T2	CG3497	Su(H)		pnr	18		no phenotype	
126	17H1	T3	CG3497	Su(H)		pnr	18		not checked	
141	15F3	T2	CG10261	aPKC		pnr	18		rare empty or multiple sockets, loss of bristles	
144	14B5	T2	CG5248	loco	CG17229	pnr	18		no phenotype	
146	130D8	T1	CG3258	ase		pnr	18		not checked	
147	130D8	T2	CG3258	ase		pnr	18		not checked	
148	130D8	T3	CG3258	ase		pnr	18		not checked	
19	122G6	T2	CG5462	scrib	scribbled	sca	29		no phenotype	
20	122G6	T3	CG5462	scrib	scribbled	sca	29		no phenotype	
21	122G6	T4	CG5462	scrib	scribbled	sca	29		lethal	
22	123A4	T1	CG5692	raps	rapsynoid	sca	29		rare duplicated hair	
23	123A7		CG5771	Rab11	Rab-protein 11	sca	29		lethal	
32	129E3		CG7867	nuf	nuclear fallout	sca	29		no phenotype	
33	129E3		CG7867	nuf	nuclear fallout	sca	29		not checked	bad cross
34	12H12	T3	CG4482	mol	moladietz nip CG15268	sca	29		no phenotype	
35	122G6	T1	CG5462	scrib	scribbled	sca	29		lethal	
52	14B5	T2	CG5248	loco	CG17229 locomotion defects	sca	29		no phenotype	
53	14B5	T3	CG5248	loco	CG17229 locomotion defects	sca	29		rare loss of M	
54	14B5	T4	CG5248	loco	CG17229 locomotion defects	sca	29		no phenotype	
58	15H5	T2	CG5055	baz	Par3	sca	29		gain and loss M on same fly	

JM Number	Construct	Transformant	CG number	Gene Symbol	Gene Synonyms	GAL4 line	Temp	Phenotype Colour	Phenotype	Comment
59	15H5	T1	CG5055	baz	Par3	sca	29		no phenotype	
60				white minus		sca	29		no phenotype	
61	16C8	T1	CG3779	numb	nb	sca	29		empty or multiple sockets	
66	2B7	T1	CG3619	Dl	Delta	sca	29		weak gain of bristles, lethal	
67	2B7	T1	CG3619	Dl	Delta	sca	29		weak gain of bristles, lethal	
68	2B7	T2	CG3619	Dl	Delta	sca	29		lethal	
69	2B7	T2	CG3619	Dl	Delta	sca	29		lethal	
70	2H6	T1	CG3936	N	Notch split	sca	29		lethal, escapers no phenotype	
71	2C7		CG6127	Ser	Serrate Beaded Ripped wing	sca	29		lethal	
72	2H6	T1	CG3936	N	Notch split	sca	29		lethal	
73	32B1	T1	CG1539	spdo	sanpodo CG11493 CG15540	sca	29		lethal	
74	32B8	T1	CG1539	spdo	sanpodo CG11493 CG15540	sca	29		no phenotype	
77	3D8	T1	CG7012	nct	nicastrin agro	sca	29		no phenotype	
78	3D8	T2	CG7012	nct	nicastrin agro	sca	29		no phenotype	
79	43H2	T1	CG5884	par-6		sca	29		lethal	
80	43H2	T2	CG5884	par-6		sca	29		lethal, escapers loss of all bristles	
81	47B8	T3	CG11988	neur	neuralized	sca	29		no phenotype	
82	47B8	T4	CG11988	neur	neuralized	sca	29		no phenotype	
83	47B8		CG11988	neur	neuralized	sca	29		no phenotype	
86	49H2	T1	CG5868	psn	Presenilin Dps CG18803	sca	29		adults die in food	
124	16B7	T1	CG5099	msi		sca	29		lethal, escapers duplication of M	
125	17H1	T2	CG3497	Su(H)		sca	29		no phenotype	
126	17H1	T3	CG3497	Su(H)		sca	29		no phenotype	
141	15F3	T2	CG10261	aPKC		sca	29		no phenotype	
144	14B5	T2	CG5248	loco	CG17229	sca	29		no phenotype	
146	130D8	T1	CG3258	ase		sca	29		no phenotype	
147	130D8	T2	CG3258	ase		sca	29		rare duplicated hair, loss of M	
148	130D8	T3	CG3258	ase		sca	29		no phenotype	
19	122G6	T2	CG5462	scrib	scribbled	sca	25		no phenotype	
20	122G6	T3	CG5462	scrib	scribbled	sca	25		no phenotype	
21	122G6	T4	CG5462	scrib	scribbled	sca	25		lethal	
22	123A4	T1	CG5692	raps	rapsynoid	sca	25		no phenotype	
23	123A7		CG5771	Rab11	Rab-protein 11	sca	25		lethal	
32	129E3		CG7867	nuf	nuclear fallout	sca	25		not checked	
33	129E3		CG7867	nuf	nuclear fallout	sca	25		not checked	
34	12H12	T3	CG4482	mol	moladietz nip CG15268	sca	25		not checked	
35	122G6	T1	CG5462	scrib	scribbled	sca	25		strong loss of bristles, M only	
52	14B5	T2	CG5248	loco	CG17229 locomotion defects	sca	25		no phenotype	
53	14B5	T3	CG5248	loco	CG17229 locomotion defects	sca	25		no phenotype	
54	14B5	T4	CG5248	loco	CG17229 locomotion defects	sca	25		no phenotype	
58	15H5	T2	CG5055	baz	Par3	sca	25		no phenotype	
59	15H5	T1	CG5055	baz	Par3	sca	25		adults die in food, rare duplicated hairs	
60				white minus		sca	25		no phenotype	
61	16C8	T1	CG3779	numb	nb	sca	25		empty or multiple sockets, M only, head and notum	
66	2B7	T1	CG3619	Dl	Delta	sca	25		lethal, pharate adults with gain of bristles	
67	2B7	T1	CG3619	Dl	Delta	sca	25		adults die in food, escapers have no phenotype	
68	2B7	T2	CG3619	Dl	Delta	sca	25		no phenotype	
69	2B7	T2	CG3619	Dl	Delta	sca	25		no phenotype	
70	2H6	T1	CG3936	N	Notch split	sca	25		lethal, escapers mild gain of bristles	
71	2C7		CG6127	Ser	Serrate Beaded Ripped wing	sca	25		no phenotype	
72	2H6	T1	CG3936	N	Notch split	sca	25		lethal	
73	32B1	T1	CG1539	spdo	sanpodo CG11493 CG15540	sca	25		no phenotype	
74	32B8	T1	CG1539	spdo	sanpodo CG11493 CG15540	sca	25		no phenotype	
77	3D8	T1	CG7012	nct	nicastrin agro	sca	25		not checked	
78	3D8	T2	CG7012	nct	nicastrin agro	sca	25		not checked	
79	43H2	T1	CG5884	par-6		sca	25		loss of bristles, head and notum, M only	
80	43H2	T2	CG5884	par-6		sca	25		not checked	bad cross
81	47B8	T3	CG11988	neur	neuralized	sca	25		no phenotype	
82	47B8	T4	CG11988	neur	neuralized	sca	25		no phenotype	
83	47B8		CG11988	neur	neuralized	sca	25		no phenotype	
86	49H2	T1	CG5868	psn	Presenilin Dps CG18803	sca	25		no phenotype	
124	16B7	T1	CG5099	msi		sca	25		lethal	
125	17H1	T2	CG3497	Su(H)		sca	25		no phenotype	
126	17H1	T3	CG3497	Su(H)		sca	25		no phenotype	
141	15F3	T2	CG10261	aPKC		sca	25		no phenotype	
144	14B5	T2	CG5248	loco	CG17229	sca	25		no phenotype	
146	130D8	T1	CG3258	ase		sca	25		no phenotype	
147	130D8	T2	CG3258	ase		sca	25		no phenotype	
148	130D8	T3	CG3258	ase		sca	25		no phenotype	
19	122G6	T2	CG5462	scrib	scribbled	sca	18		no phenotype	
20	122G6	T3	CG5462	scrib	scribbled	sca	18		no phenotype	
21	122G6	T4	CG5462	scrib	scribbled	sca	18		no phenotype	
22	123A4	T1	CG5692	raps	rapsynoid	sca	18		no phenotype	
23	123A7		CG5771	Rab11	Rab-protein 11	sca	18		lethal, escapers with strong loss of bristles, M only	
32	129E3		CG7867	nuf	nuclear fallout	sca	18		not checked	
33	129E3		CG7867	nuf	nuclear fallout	sca	18		not checked	
34	12H12	T3	CG4482	mol	moladietz nip CG15268	sca	18		not checked	
35	122G6	T1	CG5462	scrib	scribbled	sca	18		no phenotype	
52	14B5	T2	CG5248	loco	CG17229 locomotion defects	sca	18		not checked	
53	14B5	T3	CG5248	loco	CG17229 locomotion defects	sca	18		no phenotype	
54	14B5	T4	CG5248	loco	CG17229 locomotion defects	sca	18		not checked	
58	15H5	T2	CG5055	baz	Par3	sca	18		no phenotype	
59	15H5	T1	CG5055	baz	Par3	sca	18		no phenotype	
60				white minus		sca	18		no phenotype	
61	16C8	T1	CG3779	numb	nb	sca	18		rare empty or multiple sockets	
66	2B7	T1	CG3619	Dl	Delta	sca	18		no phenotype	
67	2B7	T1	CG3619	Dl	Delta	sca	18		no phenotype	
68	2B7	T2	CG3619	Dl	Delta	sca	18		no phenotype	
69	2B7	T2	CG3619	Dl	Delta	sca	18		no phenotype	
70	2H6	T1	CG3936	N	Notch split	sca	18		no phenotype	
71	2C7		CG6127	Ser	Serrate Beaded Ripped wing	sca	18		no phenotype	
72	2H6	T1	CG3936	N	Notch split	sca	18		lethal	
73	32B1	T1	CG1539	spdo	sanpodo CG11493 CG15540	sca	18		not checked	
74	32B8	T1	CG1539	spdo	sanpodo CG11493 CG15540	sca	18		no phenotype	
77	3D8	T1	CG7012	nct	nicastrin agro	sca	18		not checked	
78	3D8	T2	CG7012	nct	nicastrin agro	sca	18		not checked	
79	43H2	T1	CG5884	par-6		sca	18		rare loss of M	
80	43H2	T2	CG5884	par-6		sca	18		not checked	bad cross
81	47B8	T3	CG11988	neur	neuralized	sca	18		no phenotype	
82	47B8	T4	CG11988	neur	neuralized	sca	18		no phenotype	
83	47B8		CG11988	neur	neuralized	sca	18		not checked	
86	49H2	T1	CG5868	psn	Presenilin Dps CG18803	sca	18		no phenotype	
124	16B7	T1	CG5099	msi		sca	18		rare loss of M, rare duplication of hairs	
125	17H1	T2	CG3497	Su(H)		sca	18		no phenotype	
126	17H1	T3	CG3497	Su(H)		sca	18		not checked	
141	15F3	T2	CG10261	aPKC		sca	18		no phenotype	
144	14B5	T2	CG5248	loco	CG17229	sca	18		no phenotype	
146	130D8	T1	CG3258	ase		sca	18		not checked	
147	130D8	T2	CG3258	ase		sca	18		not checked	
148	130D8	T3	CG3258	ase		sca	18		not checked	

Colour Key

- medium to strong phenotypes
- rare, weak phenotypes
- no phenotype
- lethal (even if escapers are present)
- no colour — not checked

Table 2. Genome-wide bristle screen results – Lines that cause a visible phenotype and/or lethality

This table is continued over 49 pages. It contains 6265 records.

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
846	CG31867	CG31867	6	4	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
848	CG7904	put	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
849	CG7904	put	0	0	0	Before Pupal	1											
853	CG8224	babo	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
862	CG14026	tkv	2	0	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
877	CG33141	sns	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	6.0	0.0	0.0
899	CG5820	Gp150	0	0	0	Pupal	1											
900	CG5820	Gp150	0	0	0	Pupal	1											
904	CG8930	rk	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
905	CG8930	rk	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
908	CG7896	CG7896	4	6	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	6.0
937	CG12676	ed	2	0	2	Pupal	0	3.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	7.0
938	CG12676	ed	9	1	10	Not Lethal	0	3.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	7.0
942	CG10975	Ptp69D	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0
943	CG10975	Ptp69D	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	2.0	0.0	0.0	0.0
951	CG4125	rst	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
956	CG3624	CG3624	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
968	CG1804	kek6	2	7	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
969	CG1804	kek6	10	0	10	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
984	CG14948	dpr18	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
991	CG18402	InR	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
992	CG18402	InR	4	5	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
997	CG31738	CG31738	1	4	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	3.0	0.0	0.0	0.0
998	CG31738	CG31738	0	0	0	Pupal	1											
1001	CG9211	lHog	0	1	1	Pupal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
1021	CG18734	Fur2	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
1030	CG16876	CG16876	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1038	CG32179	Krn	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1047	CG9138	SP1070	2	3	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
1050	CG9138	SP1070	0	1	1	Not Lethal	0	3.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
1051	CG9138	SP1070	0	0	0	Pupal	1											
1072	CG18480	CG18480	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
1089	CG10244	Cad96Ca	0	0	0	Pupal	1											
1091	CG10244	Cad96Ca	0	0	0	Pupal	1											
1093	CG7100	CadN	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
1102	CG1817	Ptp10D	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1111	CG12139	CG12139	3	7	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
1112	CG3936	N	1	7	8	Pupal	0	1.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
1128	CG31431	CG31431	2	6	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1151	CG10168	CG10168	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
1157	CG16723	CG16723	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1161	CG10221	CG10221	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1162	CG10221	CG10221	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	10.0
1166	CG12268	CG12268	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	1.0	0.0	0.0
1167	CG12268	CG12268	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	1.0	0.0	0.0
1170	CG13605	CG13605	0	0	0	Pupal	1											
1189	CG5610	nAcR alpha-96Aa	0	10	10	Pupal	1											
1199	CG6798	nAcR beta-96A	2	8	10	Not Lethal	0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
1204	CG5789	CG5789	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1209	CG13626	Syx18	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0
1214	CG31127	Wsck	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1264	CG5880	CG5880	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1275	CG31068	CG31068	0	8	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1278	CG3373	Hmu	1	9	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0
1279	CG3373	Hmu	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0
1289	CG13978	CG13978	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1305	CG5639	CG5639	0	0	0	Before Pupal	1											
1310	CG18437	CG18437	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1313	CG12880	CG12880	0	6	6	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	2.0	4.0	0.0	0.0	0.0	0.0
1326	CG10001	AR-2	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	5.0	0.0	0.0
1327	CG10001	AR-2	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
1337	CG2310	CG2310	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
1338	CG2310	CG2310	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0
1342	CG1907	CG1907	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0
1356	CG15506	CG15506	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0
1357	CG15506	CG15506	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
1385	CG9753	AddR	0	0	0	Pupal	1											
1386	CG9753	AddR	1	1	2	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
1392	CG9747	CG9747	0	0	0	Pupal	1											
1394	CG9747	CG9747	0	0	0	Pupal	1											
1402	CG4637	hh	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
1410	CG10152	beat-IV	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1415	CG5677	Spase22-23	0	0	0	Pupal	1											
1438	CG17370	CG17370	0	0	0	Pupal	1											
1453	CG6641	Pbprp5	0	8	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1457	CG13130	CG13130	0	0	0	Pupal	1											
1462	CG16960	Or33a	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	8.0	0.0	5.0	0.0	0.0	0.0
1463	CG12404	CG12404	0	0	0	Before Pupal	1											
1473	CG31678	CG31678	0	0	0	Pupal	1											
1474	CG31678	CG31678	4	1	5	Not Lethal	0	5.0	1.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
1487	CG17508	CG17508	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	2.0	0.0	4.0
1574	CG17195	CG17195	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1576	CG13130	CG13130	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
1577	CG13130	CG13130	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
1613	CG4316	Sb	0	0	0	Pupal	1											
1665	CG11895	stan	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0
1698	CG5348	CG5348	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
1706	CG12490	CG12490	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1768	CG8795	CG8795	0	8	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1815	CG32540	CCKLR-17D3	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
1820	CG9569		10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	2.0	0.0	2.0
1830	CG4875	CG4875	0	0	0	Pupal	1											
1831	CG4875	CG4875	2	2	4	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
1834	CG17998	Gprk2	0	0	0	Pupal	1											
1841	CG3771	a6	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2471	CG2657	CG2657	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
2495	CG11592	CG11592	1	0	1	Pupal	0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2497	CG11562	CG11562	0	0	0	Before Pupal	1											
2533	CG31663	CG31663	0	9	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2544	CG7263	CG7263	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
2554	CG7082	CG7082	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2575	CG9964	Cyp309a1	10	0	10	Not Lethal	0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
2593	CG3131	Duox	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2603	CG3117	CG3117	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	1.0	0.0	0.0
2635	CG11147	CG11147	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	2.0
2637	CG14000	CG14000	4	5	9	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
2638	CG14000	CG14000	0	7	7	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
2651	CG5857	CG5857	4	6	10	Not Lethal	0	0.2	0.8	0.2	0.2	0.0	0.0	0.7	0.0	2.0	0.0	0.0
2660	CG9261	nrv2	0	5	5	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	1.0	2.0	0.0	0.0	0.0	0.0
2673	CG14238	CG14238	4	6	10	Not Lethal	0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
2679	CG5484	CG5484	0	0	0	Before Pupal	1											
2713	CG30156	CG30156	0	0	0	Pupal	1											
2714	CG30156	CG30156	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	6.0	0.0	0.0
2746	CG7203	CG7203	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	5.0	0.0	0.0	0.0
2748	CG7203	CG7203	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
2781	CG33304	rho-5	0	0	0	Before Pupal	1											
2785	CG7586	Mcr	1	1	2	Pupal	0	0.0	8.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
2789	CG31605	Bsg	3	5	8	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	3.0
2810	CG13089	CG13089	2	0	2	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	2.0
2821	CG9483	CG9483	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2824	CG9496	Tsp29Fb	0	0	0	Pupal	1											
2827	CG9520	CG9520	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2855	CG31880	CG31880	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	2.0	0.0	0.0	0.0
2857	CG7431	CG7431	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0
2876	CG31849	CG31849	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	6.0
2877	CG31849	CG31849	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
2897	CG4032	Abl	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2902	CG4006	Akt1	0	0	0	Pupal	1											
2907	CG10261	aPKC	0	0	0	Pupal	1											
2911	CG6875	asp	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
2914	CG5055	baz	9	1	10	Not Lethal	0	0.0	5.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2915	CG5055	baz	9	1	10	Not Lethal	0	0.0	5.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2916	CG6500	Bx	1	1	2	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	3.0	0.0	0.0
2917	CG6500	Bx	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	10.0	10.0	0.0	0.0	4.0	0.0	0.0
2928	CG2102	cas	9	1	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
2929	CG2102	cas	3	3	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
2934	CG8669	crc	0	0	0	Before Pupal	1											
2935	CG8669	crc	0	0	0	Before Pupal	1											
2940	CG5893	D	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
2942	CG4952	dac	9	1	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	1.0	0.0	0.0
2947	CG10798	dm	0	0	0	Before Pupal	1											
2948	CG10798	dm	0	0	0	Pupal	1											
2952	CG10488	eyg	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	3.0
2954	CG10488	eyg	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
2959	CG4059	ftz-f1	0	0	0	Before Pupal	1											
2964	CG2096	flw	0	0	0	Before Pupal	1											
2965	CG8367	cg	0	0	0	Before Pupal	1											
2966	CG8367	cg	0	0	0	Before Pupal	1											
2970	CG1864	Hr38	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0
2972	CG8293	Iap2	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
2973	CG8293	Iap2	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	6.3	2.0	0.0	0.0	0.0	0.0	0.0
2980	CG4013	Smr	0	0	0	Pupal	1											
2981	CG4013	Smr	0	0	0	Pupal	1											
2983	CG10988	l(1)dd4	3	7	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0
2988	CG10922	La	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
2989	CG10922	La	7	3	10	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
2990	CG1264	lab	0	0	0	Pupal	1											
2991	CG1264	lab	0	0	0	Pupal	1											
2993	CG3060	mr	10	0	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	2.0	0.0	4.0	0.0	0.0	0.0
3009	CG10901	osk	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
3010	CG3479	osp	0	3	3	Pupal	0	0.0	0.0	0.0	2.0	7.0	0.0	0.0	0.0	6.0	0.0	0.0
3010	CG3479	osp	10	0	10	Not Lethal	0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3018	CG7850	puc	0	0	0	Pupal	1											
3019	CG7850	puc	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3024	CG10966	rdgA	2	2	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3033	CG1030	Scr	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0
3034	CG1030	Scr	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	1.0	0.5
3046	CG11282	caps	6	4	10	Not Lethal	0	0.0	8.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3048	CG17348	drl	10	0	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0
3055	CG31867	CG31867	5	4	9	Not Lethal	0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0
3059	CG14026	tkv	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
3075	CG8964	CG8964	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	9.0	0.0	0.0	0.0	0.0	0.0
3087	CG12676	ed	3	7	10	Not Lethal	0	5.0	0.0	0.0	0.0	0.0	5.0	2.0	0.0	0.0	1.0	0.0
3091	CG5803	Fas3	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	0.0
3129	CG18679	CG18679	8	2	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
3141	CG15288	wb	10	0	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
3145	CG7527	CadN2	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3166	CG10778	CG10778	0	0	0	Pupal	1											
3167	CG10778	CG10778	0	0	0	Pupal	1											
3177	CG30419	CG30419	0	0	0	Pupal	1											
3179	CG30419	CG30419	3	7	10	Not Lethal	0	1.7	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
3193	CG1863	CG1863	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3200	CG4634	Nurf-38	0	0	0	Before Pupal	1											
3205	CG18607	CG18607	0	0	0	Pupal	1											
3208	CG13405	CG13405	0	0	0	Pupal	1											
3222	CG8732	l(2)44DEa	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
3229	CG8428	spin	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3233	CG13494	CG13494	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	1.0	0.0	0.0	0.0
3237	CG4531	argos	0	1	1	Pupal	0	4.0	4.0	0.0	0.0	8.0	0.0	0.0	4.0	0.0	0.0	0.0
3238	CG4531	argos	4	6	10	Not Lethal	0	2.0	7.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0
3243	CG10913	Spn6	0	0	0	Pupal	1											
3245	CG10913	Spn6	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
3248	CG7795	CG7795	1	9	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
3254	CG14956	CG14956	3	2	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
3255	CG14956	CG14956	10	0	10	Not Lethal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
3275	CG9113	AP-1gamma	0	0	0	Pupal	1											
3295	CG12127	amx	0	0	0	Pupal	1											
3296	CG12127	amx	0	0	0	Pupal	1											
3303	CG10617	CG10617	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3306	CG1517	na	3	3	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
3307	CG1517	na	2	4	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
3308	CG10118	ple	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
3326	CG10657	CG10657	9	1	10	Not Lethal	0	0.0	7.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
3329	CG10697	Ddc	0	7	7	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
3330	CG10697	Ddc	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	4.0	0.0	0.0	0.0	0.0	0.0
3335	CG11956	SP1029	2	8	10	Not Lethal	0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
3337	CG12529	Zw	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
3347	CG13387	emb	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3378	CG10843	Cyp4p3	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3392	CG18741	DopR2	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
3402	CG31120	CG31120	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	9.0	8.0	0.0	0.0	0.0	0.0	3.0
3407	CG13874	Obp56h	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
3408	CG5857	CG5857	2	8	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	6.0
3420	CG11851	CG11851	6	4	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
3432	CG30018	mthl13	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
3452	CG3332	CG3332	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
3464	CG13941	CG13941	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	5.0	0.0	0.0	0.0
3468	CG30387	CG30387	8	2	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	3.0	0.0	0.0
3471	CG18870	CG18870	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
3472	CG18870	CG18870	0	0	0	Pupal	1											
3529	CG30186	Gr59c	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3616	CG13576	CG13576	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3666	CG7075	CG7075	4	6	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3720	CG3619	Dl	10	0	10	Not Lethal	0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3726	CG11101	pwn	7	3	10	Not Lethal	0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3739	CG31009	Cad99C	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	4.0	0.0	0.0
3740	CG31009	Cad99C	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
3774	CG10021	bowl	8	2	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	2.0	1.0	0.0	0.0	0.0
3775	CG10021	bowl	10	0	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
3778	CG16902	Hr4	0	0	0	Before Pupal	1											
3781	CG5799	dve	0	0	0	Before Pupal	1											
3782	CG5799	dve	0	0	0	Before Pupal	1											
3785	CG9206	Gl	0	0	0	Pupal	1											
3787	CG15319	nej	0	0	0	Before Pupal	1											
3793	CG9774	rok	2	3	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	1.0	7.0
3795	CG9495	Scm	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
3796	CG9495	Scm	0	0	0	Pupal	1											
3798	CG18102	shi	0	0	0	Pupal	1											
3799	CG18102	shi	0	0	0	Before Pupal	1											
3804	CG3440	Pcp	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3806	CG12470	CG12470	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
3819	CG18480	CG18480	0	10	10	Pupal	1											
3840	CG4587	CG4587	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3855	CG5876	hetx	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	5.0	0.0	0.0	0.0
3857	CG4214	Syx5	0	0	0	Before Pupal	1											
3859	CG4214	Syx5	0	0	0	Before Pupal	1											
3861	CG17928	CG17928	10	0	10	Not Lethal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
3872	CG31748	Gr36c	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
3879	CG5755	CG5755	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3883	CG10413	CG10413	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
3888	CG17321	CG17321	1	4	5	Pupal	0	0.0	1.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	1.0
3900	CG13086	CG13086	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3923	CG10664	CG10664	4	5	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
3956	CG5929	CG5929	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3961	CG1298	CG1298	0	0	0	Pupal	1											
3962	CG1298	CG1298	0	0	0	Pupal	1											
3983	CG3271	CG3271	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3990	CG3287	CG3287	7	3	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3991	CG3287	CG3287	9	1	10	Pupal	0	0.0	2.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
3998	CG1941	CG1941	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
4013	CG30373	CG30373	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
4014	CG30373	CG30373	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
4025	CG8735	CG8735	8	2	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
4103	CG1275	CG1275	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
4138	CG11387	ct	1	7	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	2.0
4147	CG30352	CG30352	0	0	0	Pupal	1											
4159	CG8008	CG8008	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
4165	CG8026	CG8026	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
4176	CG8805	wun2	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
4177	CG8805	wun2	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
4225	CG10888	Rh3	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
4253	CG7830	CG7830	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
4267	CG4620	unk	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	3.0
4278	CG15845	Adf1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
4289	CG5393	apt	3	1	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
4297	CG6899	Ptp4E	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4301	CG6124	CG6124	10	0	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4312	CG17941	ds	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.0
4349	CG7016	CG7016	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
4380	CG6496	Pdf	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
4382	CG6496	Pdf	4	6	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4383	CG31079	CG31079	0	0	0	Pupal	1											
4384	CG31079	CG31079	1	5	6	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	0.0	0.0
4410	CG12426	CG12426	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	1.0	0.0	0.0
4452	CG7567	CG7567	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0
4474	CG3725	Ca-P60A	0	0	0	Pupal	1											
4482	CG1232	tipE	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	3.0
4487	CG15008	CG15008	0	0	0	Pupal	1											
4488	CG1259	CG1259	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4539	CG8934	CG8934	3	3	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4547	CG12230	car	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
4548	CG12230	car	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
4560	CG3114	ewg	3	6	9	Not Lethal	0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
4563	CG14543	CG14543	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
4564	CG14543	CG14543	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
4569	CG14589	CG14589	0	0	0	Pupal	1											
4580	CG9080	CG9080	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
4650	CG8785	CG8785	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	4.0	0.0	0.0
4651	CG8785	CG8785	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
4654	CG8632	CG8632	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
4655	CG8632	CG8632	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
4658	CG8766	tafazzin	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	1.0	0.0	0.0	0.0
4659	CG8657	Dgkepsilon	8	2	10	Not Lethal	0	0.0	0.0	1.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4687	CG4630	CG4630	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4698	CG10062	CG10062	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
4719	CG11208	CG11208	8	2	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4743	CG18405	Sema-1a	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	4.0
4747	CG4977	kek2	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4753	CG8930	rk	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0
4789	CG10975	Ptp69D	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
4807	CG18402	InR	2	8	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
4818	CG5912	arr	6	0	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4824	CG7381	CG7381	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
4837	CG12309	CG12309	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
4843	CG13788	Gr28b	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0
4848	CG33478	Or46a	2	5	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.6	0.0	0.0	0.0
4871	CG10117	ttv	2	8	10	Pupal	0	0.0	3.0	0.0	0.0	0.0	1.0	0.0	0.0	4.0	0.0	0.0
4891	CG8095	scb	0	0	0	Pupal	1											
4898	CG8399	CG8399	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
4907	CG15706	CG15706	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4913	CG3896	Nox	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
4914	CG3896	Nox	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	10.0
4917	CG8303	CG8303	0	0	0	Before Pupal	1											
4918	CG8303	CG8303	0	0	0	Pupal	1											
4921	CG5065	CG5065	0	0	0	Pupal	1											
4991	CG5482	CG5482	0	0	0	Before Pupal	1											
4993	CG15088	CG15088	0	8	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5015	CG15117	CG15117	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0
5055	CG10226	CG10226	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	5.0	0.0	0.0
5070	CG8339	sfl	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
5079	CG9943	Surf1	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
5110	CG8546	CG8546	4	1	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5150	CG33162	SrpRbeta	0	0	0	Before Pupal	1											
5199	CG14163	CG14163	0	8	8	Pupal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	5.0	0.0	0.0
5201	CG14163	CG14163	3	4	7	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	5.0	0.0	0.0
5226	CG5946	CG5946	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
5236	CG10620	Tsf2	0	0	0	Before Pupal	1											
5237	CG32114	CG32114	0	0	0	Before Pupal	1											
5238	CG32114	CG32114	0	0	0	Before Pupal	1											
5246	CG11281	CG11281	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
5271	CG6869	FucTA	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
5279	CG32155	CG32155	0	0	0	Pupal	1											
5281	CG13049	CG13049	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
5294	CG6456	Mip	5	5	10	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5302	CG3874	frc	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5342	CG32193	CG32193	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0	7.0	0.0	0.0
5343	CG32193	CG32193	3	5	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	5.0	0.0	0.0
5370	CG14182	CG14182	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
5391	CG4825	CG4825	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	1.0	0.0	0.0	0.0
5413	CG5081	Syx7	0	0	0	Pupal	1											
5446	CG4590	inx2	7	3	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	7.0	2.0	0.0	0.0	0.0	0.0
5450	CG4607	CG4607	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	3.0	0.0	0.0	0.0
5468	CG1530	CG1530	0	0	0	Pupal	1											
5509	CG9022	Ost48	0	0	0	Pupal	1											
5511	CG15370	CG15370	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5530	CG17841	CG17841	0	0	0	Pupal	1											
5532	CG1683	Ant2	0	9	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5538	CG1397	CG1397	2	2	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5548	CG15740	CG15740	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	6.0	0.0	0.0
5562	CG11103	CG11103	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	2.0	0.0	0.0	0.0
5572	CG32581	CG32581	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
5586	CG2713	CG2713	6	0	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5587	CG2713	CG2713	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5600	CG9623	if	0	0	0	Pupal	1											
5638	CG12256	CG12256	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	7.0
5650	CG14029	vri	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
5654	CG14996	Chd64	2	6	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
5687	CG11387	ct	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	1.6	0.0	0.0	0.0	0.0
5698	CG8160	CG8160	1	9	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5701	CG17386	CG17386	0	4	4	Not Lethal	0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	3.0
5702	CG17596	S6kII	4	3	7	Not Lethal	0	2.9	0.0	0.0	0.0	0.0	0.0	3.0	3.0	0.0	0.0	0.0
5711	CG2647	per	3	7	10	Not Lethal	0	0.0	3.0	0.0	0.0	7.0	2.0	0.0	0.0	0.0	0.0	0.0
5712	CG2762	ush	0	0	0	Pupal	1											
5717	CG6008	NP15.6	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	6.0	0.0	0.0
5765	CG2342	Ccp84Ag	4	4	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
5770	CG1252	Ccp84Ab	7	3	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
5773	CG1288	CG1288	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	1.0	0.0
5801	CG9613	CG9613	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
5830	CG8444	CG8444	1	3	4	Adult	0	0.0	0.0	0.0	0.0	0.0	8.0	8.0	0.0	3.0	0.0	0.0
5878	CG17304	CG17304	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
5882	CG6202	Surf4	3	7	10	Pupal	0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
5883	CG6202	Surf4	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
5912	CG7142	CG7142	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5919	CG7685	CG7685	1	5	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
5930	CG31411	CG31411	3	4	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5942	CG8516	CG8516	0	0	0	Pupal	1											
6031	CG6666	CG6666	7	3	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
6064	CG14723	HisCl1	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6076	CG18347	CG18347	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
6098	CG18549	CG18549	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
6100	CG34055	CG34055	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
6125	CG4301	CG4301	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
6130	CG9947	CG9947	0	9	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6137	CG9703	Axs	4	4	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
6139	CG13004	CG13004	0	8	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
6143	CG4928	CG4928	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
6149	CG5070	CG5070	4	6	10	Not Lethal	0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6159	CG8664	CG8664	0	10	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6161	CG12986	CG12986	6	3	9	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	4.0	5.0	0.0	0.0	0.0	0.0
6167	CG15060	CG15060	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
6168	CG15060	CG15060	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	2.0	1.0	0.0	0.0	8.0	0.0	0.0
6169	CG6578	phm	10	0	10	Not Lethal	0	2.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
6181	CG14194	CG14194	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
6184	CG14195	CG14195	6	2	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	2.0	0.0	0.0
6201	CG14208	Tyler	1	4	5	Not Lethal	0	0.0	0.8	0.0	0.0	0.0	0.6	0.0	0.0	1.4	0.0	0.0
6205	CG6596	CG6596	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6205	CG6596	CG6596	0	9	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6208	CG8625	Iswi	10	0	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
6212	CG33956	kay	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	4.0	5.0	0.0	1.0	0.0
6213	CG33956	kay	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	8.0	5.0	0.0	1.0	0.0
6216	CG8440	Lis-1	0	0	0	Pupal	1											
6217	CG6246	nub	3	7	10	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6222	CG6716	prd	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6224	CG3978	pnr	0	8	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
6229	CG9985	sktl	0	0	0	Pupal	1											
6231	CG9985	sktl	0	0	0	Pupal	1											
6236	CG1378	tll	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
6243	CG7893	vav	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	2.0	0.0	0.0
6248	CG4158	wor	3	7	10	Not Lethal	0	2.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6250	CG10659	CG10659	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6252	CG4936	CG4936	6	4	10	Pupal	0	0.0	2.0	0.0	0.0	0.0	1.0	0.0	0.0	7.0	0.0	0.0
6253	CG4936	CG4936	3	7	10	Pupal	0	0.0	4.0	0.0	0.0	0.0	4.0	0.0	0.0	5.0	0.0	0.0
6274	CG5902	CG5902	4	6	10	Not Lethal	0	5.0	0.0	0.0	0.0	6.0	0.0	0.0	4.0	0.0	0.0	0.0
6275	CG5902	CG5902	5	5	10	Not Lethal	0	6.0	0.0	0.0	0.0	4.0	0.0	0.0	3.0	0.0	0.0	0.0
6276	CG8649	Fim	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6283	CG6871	Cat	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
6295	CG9239	B4	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
6299	CG9748	bel	0	0	0	Before Pupal	1											
6313	CG6975	gig	3	4	7	Not Lethal	0	2.0	3.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	1.0	0.0
6314	CG6975	gig	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	5.0	5.0	0.0	0.0	4.0	1.0	0.0
6315	CG8384	gro	7	3	10	Not Lethal	0	4.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
6316	CG8384	gro	8	2	10	Pupal	0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6331	CG7747	CG7747	0	0	0	Pupal	1											
6431	CG11900	CG11900	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6439	CG11274	SRm160	9	1	10	Not Lethal	0	0.0	2.0	0.0	0.0	3.0	4.0	0.0	0.0	3.0	0.0	0.0
6441	CG18543	mtrm	0	0	0	Pupal	1											
6463	CG12010	CG12010	2	5	7	Pupal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	7.0	0.0	0.0
6465	CG5284	CG5284	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	9.0	0.0	0.0	0.0	0.0	9.0
6466	CG5284	CG5284	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
6470	CG4899	Pdh	0	0	0	Pupal	1											
6481	CG32442	CG32442	0	0	0	Pupal	1											
6484	CG1063	Itp-r83A	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
6532	CG6057	SMC1	2	2	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
6543	CG7398	Trn	0	0	0	Pupal	1											
6544	CG7398	Trn	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
6545	CG1511	Eph	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6553	CG8964	CG8964	0	0	0	Pupal	1											
6554	CG8964	CG8964	0	0	0	Pupal	1											
6583	CG15654	CG15654	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
6585	CG15655	CG15655	0	0	0	Before Pupal	1											
6606	CG9308	CG9308	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	0.0	0.0
6613	CG6437	GlcT-1	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6625	CG30277	Oatp58Da	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	1.0	0.0	9.0
6631	CG9826	CG9826	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
6652	CG5562	gbb	4	6	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6656	CG12240	DnaJ-60	2	0	2	Pupal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	1.0	0.0	1.0	0.0
6661	CG4589	CG4589	2	8	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6662	CG4589	CG4589	1	1	2	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
6679	CG9722	CG9722	0	0	0	Before Pupal	1											
6688	CG1634	Nrg	0	0	0	Pupal	1											
6704	CG9562		4	6	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	4.0	0.0	0.0
6719	CG6668	atl	0	0	0	Before Pupal	1											
6720	CG6668	atl	0	0	0	Pupal	1											
6770	CG4562	CG4562	4	5	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
6786	CG4462	CG4462	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6792	CG31209		0	0	0	Before Pupal	1											
6795	CG10883	CG10883	0	0	0	Pupal	1											
6796	CG10883	CG10883	0	0	0	Pupal	1											
6800	CG5802	CG5802	0	0	0	Pupal	1											
6801	CG5802	CG5802	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	2.0	0.0	0.0
6803	CG5862	CG5862	0	0	0	Pupal	1											
6806	CG5892	CG5892	2	3	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
6815	CG31424	CG31424	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6823	CG5388	CG5388	5	4	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	3.0
6824	CG5388	CG5388	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	1.0	0.0
6851	CG5410	Miro	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6858	CG31020	spdo	0	10	10	Not Lethal	0	0.0	6.0	1.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6860	CG9702	CG9702	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6865	CG15553	CG15553	4	6	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6867	CG31004	CG31004	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6870	CG1937	sip3	0	0	0	Pupal	1											
6874	CG11091		0	0	0	Pupal	1											
6910	CG11381	CG11381	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
6914	CG3638	CG3638	0	0	0	Pupal	1											
6921	CG14799	CG14799	0	2	2	Pupal	0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
6923	CG3810	CG3810	0	9	9	Eclosion	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6932	CG3193	crn	0	0	0	Before Pupal	1											
6948	CG1921	sty	0	0	0	Before Pupal	1											
6960	CG4013	Smr	0	0	0	Pupal	1											
6961	CG4013	Smr	0	0	0	Pupal	1											
6969	CG18740	mor	0	0	0	Pupal	1											
6993	CG4379	Pka-C1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.0	0.0	0.0	0.0
7009	CG10506	Aats-gln	0	0	0	Pupal	1											
7025	CG12462	CG12462	0	0	0	Pupal	1											
7026	CG12462	CG12462	0	0	0	Pupal	1											
7035	CG2938	CG2938	1	1	2	Not Lethal	0	0.0	9.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
7038	CG3564	CHOp24	7	3	10	Not Lethal	0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7039	CG3564	CHOp24	5	5	10	Not Lethal	0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7065	CG16752	CG16752	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7070	CG3160	CG3160	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
7086	CG3033	CG3033	0	0	0	Pupal	1											
7094	CG6048	CG6048	3	5	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.6	0.0	0.0
7107	CG4013	Smr	0	0	0	Pupal	1											
7108	CG4013	Smr	0	0	0	Before Pupal	1											
7117	CG3842	CG3842	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
7140	CG4027	Act5C	5	5	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
7154	CG6539	Dhh1	4	6	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7167	CG2674	M(2)21AB	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
7168	CG2674	M(2)21AB	3	3	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
7170	CG17077	pnt	0	0	0	Before Pupal	1											
7171	CG17077	pnt	0	0	0	Pupal	1											
7183	CG10449	Catsup	0	0	0	Before Pupal	1											
7188	CG32581	CG32581	0	0	0	Pupal	1											
7206	CG9652	DopR	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7207	CG9652	DopR	0	0	0	Pupal	1											
7210	CG16740	Rh2	10	0	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7247	CG11840	Spp	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
7255	CG32463	CG32463	2	8	10	Not Lethal	0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7296	CG3702	CG3702	0	0	0	Pupal	1											
7298	CG15431	CG15431	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	2.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
7317	CG33131	SCAP	2	8	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7322	CG14379	CheA87a	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
7329	CG1744	chp	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
7339	CG9430	CG9430	1	9	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7350	CG12143	Tsp42Ej	2	8	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
7352	CG4471	Tsp42Ep	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
7355	CG17985	CG17985	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7358	CG30377	CG30377	0	0	0	Before Pupal	1											
7372	CG8213	CG8213	0	0	0	Pupal	1											
7374	CG11778	CG11778	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
7375	CG11778	CG11778	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
7376	CG8075	Vang	1	9	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	8.0	0.0	0.0	0.0	0.0
7387	CG30340	CG30340	1	5	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
7438	CG13936	CG13936	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
7446	CG13806	CG13806	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
7470	CG10858	CG10858	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7472	CG32262	CG32262	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7480	CG10849	Sc2	0	0	0	Before Pupal	1											
7486	CG15007	CG15007	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7492	CG7923	Fad2	10	0	10	Not Lethal	0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7494	CG14143	CG14143	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7499	CG14076	CG14076	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7505	CG14094		1	2	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
7524	CG10035	CG10035	10	0	10	Not Lethal	0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7525	CG10035	CG10035	3	1	4	Pupal	0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
7548	CG6956	Lcp65Ac	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7575	CG2187	CG2187	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7577	CG11576	CG11576	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7609	CG2054	Cht2	0	6	6	Not Lethal	0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	1.0	0.0	0.0
7615	CG31637	CG31637	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	2.0	0.0	0.0
7625	CG11098	Tango1	0	0	0	Pupal	1											
7639	CG8673	CG8673	0	1	1	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
7657	CG13129		0	0	0	Before Pupal	1											
7662	CG31717	CG31717	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
7663	CG31717	CG31717	0	0	0	Pupal	1											
7667	CG7384	CG7384	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
7688	CG31860	CG31860	0	0	0	Before Pupal	1											
7716	CG1242	Hsp83	0	0	0	Before Pupal	1											
7720	CG12532	Bap	0	0	0	Pupal	1											
7721	CG12532	Bap	0	0	0	Pupal	1											
7728	CG7828	CG7828	2	3	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
7742	CG9699	CG9699	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	3.0	3.0	0.0	0.0
7743	CG33101	Nsf2	1	2	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	7.0	0.0	0.0	0.0
7748	CG7926	Axn	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
7750	CG3821	Aats-asp	0	0	0	Pupal	1											
7752	CG5353	Aats-thr	0	0	0	Before Pupal	1											
7762	CG4376	Actn	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	1.0	0.0	0.0
7763	CG12598	Adar	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	3.0	0.0	0.0
7764	CG12598	Adar	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	0.0
7767	CG11579	arm	0	1	1	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
7769	CG2534	cno	4	3	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
7779	CG14938	crol	2	8	10	Pupal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
7787	CG9696	dom	0	0	0	Pupal	1											
7788	CG9696	dom	0	0	0	Pupal	1											
7789	CG9696	dom	1	4	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
7791	CG1897	Dr	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	6.0	0.0	0.0
7795	CG3929	dx	1	9	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7798	CG9946	eIF-2alpha	0	0	0	Pupal	1											
7799	CG9946	eIF-2alpha	0	0	0	Before Pupal	1											
7800	CG4035	eIF-4E	0	0	0	Pupal	1											
7802	CG8933	exd	0	0	0	Pupal	1											
7803	CG8933	exd	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	1.0	3.0
7810	CG7467	osa	0	0	0	Before Pupal	1											
7819	CG15792	zip	0	0	0	Pupal	1											
7823	CG11228	hpo	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	1.0	0.0
7833	CG11207	feo	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
7834	CG11207	feo	0	0	0	Before Pupal	1											
7836	CG31725		0	0	0	Before Pupal	1											
7845	CG15626	CG15626	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7860	CG8885	CG8885	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
7861	CG8885	CG8885	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
7911	CG13724	CG13724	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
7912	CG5123	W	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	3.0
7916	CG3595	sqh	0	0	0	Pupal	1											
7917	CG3595	sqh	0	0	0	Pupal	1											
7965	CG8975	RnrS	5	5	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
7978	CG3955	CG3955	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	5.0	0.0	0.0
7981	CG3955	CG3955	4	2	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
8010	CG1817	Ptp10D	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	3.0	0.0	2.0	0.0	0.0
8018	CG7466	CG7466	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
8036	CG9369	m	3	6	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
8050	CG12317	Jhl-21	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8051	CG6618	Patsas	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
8057	CG10846	dyn-p25	0	0	0	Before Pupal	1											
8058	CG10846	dyn-p25	3	1	4	Adult	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	5.0
8069	CG31793	CG31793	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
8085	CG5078	CG5078	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
8105	CG11198	CG11198	0	0	0	Pupal	1											
8198	CG17494	CG17494	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	5.0	0.0	0.0	0.0
8199	CG17494	CG17494	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
8205	CG5076	elk	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8209	CG16868	CG16868	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
8222	CG5549	CG5549	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
8234	CG32060	CG32060	2	3	5	Not Lethal	0	7.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
8235	CG7638	CG7638	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
8253	CG14901	Gr89a	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
8269	CG5123	W	0	1	1	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
8276	CG6225	CG6225	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	5.0	4.0	0.0	0.0	1.0	0.0	0.0
8286	CG14356	CG14356	2	4	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
8292	CG31344	CG31344	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
8309	CG32677	CG32677	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
8315	CG1886	ATP7	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0
8316	CG2467	CG2467	0	0	0	Pupal	1											
8325	CG32645	CG32645	0	0	0	Before Pupal	1											
8329	CG9518	CG9518	1	7	8	Not Lethal	0	5.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
8340	CG32089	Vha16-2	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
8349	CG11588	CG11588	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	8.0
8353	CG6827	Nrx-IV	0	0	0	Before Pupal	1											
8366	CG4994	Mpcp	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	2.4	8.0	0.0	0.0	2.0	0.0	0.0
8375	CG7272	CG7272	5	5	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
8378	CG13068	CG13068	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8379	CG13065	CG13065	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8392	CG3665	Fas2	2	4	6	Pupal	0	0.0	1.0	0.0	0.0	0.0	1.0	3.0	0.0	2.0	0.0	0.0
8393	CG3665	Fas2	3	7	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	3.0	0.0	0.0	1.0	0.0	0.0
8405	CG14900	Cad89D	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	10.0
8420	CG14084	CG14084	0	0	0	Before Pupal	1											
8421	CG14084	CG14084	0	0	0	Before Pupal	1											
8428	CG14103	CG14103	0	0	0	Pupal	1											
8442	CG5078	CG5078	8	2	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	2.0	0.0	0.0
8447	CG11306	CG11306	0	0	0	Pupal	1											
8448	CG11306	CG11306	0	0	0	Before Pupal	1											
8475	CG1153	Osi7	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	3.0
8476	CG1153	Osi7	7	3	10	Not Lethal	0	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8481	CG31361	dpr17	0	0	0	Pupal	1											
8488	CG6017	CG6017	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	1.0	0.0	0.0
8503	CG13029	CG13029	0	0	0	Pupal	1											
8515	CG6512	CG6512	8	2	10	Not Lethal	0	0.0	8.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
8524	CG13725	CG13725	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	2.0	0.0	0.0
8532	CG7510	CG7510	0	4	4	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	1.0	2.8
8550	CG1058	rpk	0	0	0	Pupal	1											

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
8575	CG6653	Ugt86De	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.0	0.0	0.0	0.0
8617	CG7333	CG7333	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8620	CG4288	CG4288	4	6	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
8622	CG31195	CG31195	0	0	0	Pupal	1											
8634	CG12655	CG12655	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8637	CG12656	CG12656	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
8675	CG17636		4	5	9	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
8685	CG31622	Gr39a	7	3	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
8686	CG31622	Gr39a	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	5.0	0.0	0.0
8713	CG12142	Tsp42Eg	3	5	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8716	CG12841	Tsp42Ek	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
8754	CG33135	KCNQ	0	0	0	Before Pupal	1											
8768	CG8860	CG8860	0	0	0	Before Pupal	1											
8769	CG8860	CG8860	0	0	0	Pupal	1											
8772	CG13159	CG13159	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
8782	CG6357	CG6357	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.8	0.0	0.0	0.0
8784	CG10808	synaptogyrin	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
8785	CG10130	Sec61beta	0	0	0	Before Pupal	1											
8786	CG12859	CG12859	10	0	10	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
8787	CG12859	CG12859	0	0	0	Before Pupal	1											
8797	CG8320	CG8320	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	3.0	0.0	0.0
8798	CG8320	CG8320	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	5.0	0.0	0.0
8809	CG17680	CG17680	0	2	2	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	1.0	0.0	0.0
8810	CG18108	IM1	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	1.0	0.0	0.0	0.0
8821	CG13426	CG13426	0	2	2	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	3.0	0.0	0.0
8827	CG15653	CG15653	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8837	CG10320	CG10320	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
8850	CG30172	CG30172	6	4	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8858	CG7970	CG7970	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0
8893	CG4722	bib	3	5	8	Not Lethal	0	5.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	6.0	0.0	0.0
8894	CG4758	Trp1	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	8.0	0.0	0.0	0.0	0.0	0.0
8895	CG4758	Trp1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	7.0	0.0	0.0	0.0	0.0	0.0
8897	CG6230	CG6230	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
8931	CG5798	CG5798	0	0	0	Pupal	1											
8950	CG11121	so	0	0	0	Before Pupal	1											
8966	CG30082		5	5	10	Not Lethal	0	0.0	8.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
8997	CG10737	CG10737	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
9012	CG10624	sinu	0	0	0	Pupal	1											
9015	CG5592	CG5592	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9016	CG5592	CG5592	2	5	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9038	CG32053	CG32053	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9039	CG6827	Nrx-IV	0	0	0	Before Pupal	1											
9055	CG2358	Spase18-21	0	0	0	Before Pupal	1											
9073	CG9637	Task6	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
9075	CG31292	CG31292	6	4	10	Pupal	0	3.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0
9076	CG31292	CG31292	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
9081	CG31448	CG31448	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	5.0	2.0	0.0	0.0	0.0	0.0	0.0
9082	CG14909	CG14909	10	0	10	Not Lethal	0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9108	CG7181	CG7181	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
9133	CG15642	CG15642	0	6	6	Not Lethal	0	0.0	1.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
9137	CG33173	CG33173	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9137	CG33173	CG33173	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9137	CG33173	CG33173	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9141	CG5004	CG5004	0	0	0	Pupal	1											
9143	CG12991	CG12991	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
9149	CG6205	por	7	3	10	Not Lethal	0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0
9150	CG6205	por	0	0	0	Pupal	1											
9174	CG1268	CG1268	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9180	CG4769	CG4769	4	6	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	3.0	0.0	0.0
9196	CG5747	mfr	0	3	3	Not Lethal	0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9202	CG32069	CG32069	0	0	0	Before Pupal	1											
9209	CG7394	CG7394	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	1.0	0.0	0.0
9210	CG7394	CG7394	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
9235	CG5183	KdelR	0	0	0	Before Pupal	1											
9236	CG5183	KdelR	0	0	0	Before Pupal	1											
9239	CG10385	msl-1	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	0.0
9240	CG10385	msl-1	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	0.0
9241	CG2048	dco	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
9248	CG5248	loco	5	5	10	Not Lethal	0	0.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9285	CG2328	eve	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9288	CG10146	AttA	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9289	CG5645	CG5645	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
9290	CG5645	CG5645	0	0	0	Pupal	1											
9292	CG11317	CG11317	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	7.0	0.0	0.0
9293	CG11317	CG11317	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
9303	CG5559	CG5559	7	3	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9308	CG33116	CG33116	6	4	10	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
9337	CG5996	trpgamma	9	1	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9338	CG5996	trpgamma	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9363	CG13575	CG13575	5	5	10	Not Lethal	0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9366	CG13579	CG13579	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
9374	CG7497	CG7497	0	10	10	Adult	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
9375	CG7497	CG7497	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
9389	CG31936	Gr22e	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	3.0
9392	CG3604	CG3604	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9394	CG3604	CG3604	1	2	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9396	CG3352	ft	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.0
9402	CG31989	Cap-D3	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
9408	CG6750	CG6750	0	0	0	Pupal	1											
9413	CG18319	ben	3	4	7	Eclosion	0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
9416	CG4153	eIF-2beta	0	0	0	Before Pupal	1											
9416	CG4153	eIF-2beta	0	0	0	Before Pupal	1											
9425	CG31781	CG31781	0	4	4	Not Lethal	0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9425	CG31781	CG31781	10	0	10	Not Lethal	0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9430	CG6890	Tollo	0	0	0	Before Pupal	1											
9441	CG4838	beat-Ic	0	0	0	Before Pupal	1											
9444	CG6490	CG6490	1	5	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9456	CG12664	Id14	0	0	0	Pupal	1											
9516	CG14031	Cyp4ac3	0	0	0	Pupal	1											
9517	CG14069	CG14069	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	2.0
9519	CG14069	CG14069	2	5	7	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
9542	CG11561	smo	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
9571	CG5738	lolal	0	0	0	Pupal	1											
9572	CG5738	lolal	0	0	0	Pupal	1											
9573	CG5738	lolal	0	0	0	Pupal	1											
9584	CG14560	msopa	0	0	0	Before Pupal	1											
9590	CG3204	Rap2l	0	0	0	Pupal	1											
9646	CG3851	odd	0	0	0	Pupal	1											
9647	CG3851	odd	0	0	0	Pupal	1											
9660	CG31229	CG31229	5	5	10	Not Lethal	0	0.0	5.6	0.3	0.8	0.0	2.0	0.0	0.0	0.0	0.0	0.0
9661	CG14298	CG14298	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9701	CG33203	CG33203	9	1	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
9704	CG11500	Spase12	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	3.0	0.0	0.0
9705	CG11500	Spase12	0	3	3	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
9711	CG1365	CecA1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
9718	CG1878	CecB	2	8	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9727	CG12410	cv	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
9729	CG12410	cv	1	8	9	Not Lethal	0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	1.0	0.0	0.0
9763	CG4701	CG4701	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9776	CG7478	Act79B	0	0	0	Pupal	1											
9780	CG5178	Act88F	0	0	0	Before Pupal	1											
9787	CG11949	cora	0	0	0	Pupal	1											
9788	CG11949	cora	0	0	0	Pupal	1											
9793	CG3758	esg	0	0	0	Pupal	1											
9794	CG3758	esg	2	4	6	Pupal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
9797	CG7005	Esp	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9807	CG31523	CG31523	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9864	CG11769	CG11769	0	0	0	Before Pupal	1											
9865	CG7709	CG7709	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
9867	CG7709	CG7709	3	3	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
9868	CG7709	CG7709	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
9869	CG31149	CG31149	1	3	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
9888	CG7359	CG7359	1	5	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9894	CG3703	CG3703	4	5	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
9912	CG32069	CG32069	0	0	0	Pupal	1											
9921	CG7847	sr	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0
9925	CG3497	Su(H)	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9928	CG12072	wts	4	0	4	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	3.0	0.0	1.0	0.0
9942	CG7881	CG7881	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
9953	CG2060	Cyp4e2	1	3	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9954	CG13739	CG13739	0	0	0	Before Pupal	1											
9955	CG13739	CG13739	0	0	0	Before Pupal	1											
9960	CG12209	CG12209	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
9961	CG12209	CG12209	0	9	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10005	CG15188	Osi20	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
10020	CG4016	Spt-I	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	0.0	0.0
10042	CG8249	CG8249	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10049	CG30461	CG30461	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0
10055	CG4984	CG4984	3	7	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0
10060	CG12263	CG12263	1	6	7	Pupal	0	0.0	0.0	0.0	0.0	7.0	5.0	0.0	0.0	5.0	0.0	4.0
10102	CG6817	foi	6	4	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	1.0	0.0
10133	CG3443	pcx	9	1	10	Not Lethal	0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
10156	CG32751	CG32751	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10157	CG32751	CG32751	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10161	CG3044	CG3044	0	9	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10164	CG4645	CG4645	1	2	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
10168	CG9053	CG9053	2	1	3	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	3.0	0.0	0.0
10190	CG11769	CG11769	0	0	0	Pupal	1											
10215	CG18208	CG18208	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
10274	CG14446	CG14446	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10299	CG32146	dlp	10	0	10	Not Lethal	0	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
10328	CG32975	nAcRalpha-34E	0	0	0	Before Pupal	1											
10330	CG32975	nAcRalpha-34E	0	0	0	Before Pupal	1											
10351	CG15259	nht	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
10362	CG33133	grau	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10388	CG3041	Orc2	0	10	10	Not Lethal	0	0.0	6.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
10396	CG18023	Eip78C	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10406	CG1048	zen2	0	0	0	Before Pupal	1											
10418	CG10278	GATAe	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
10420	CG10278	GATAe	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
10424	CG31240	repo	4	5	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
10442	CG3319	Cdk7	4	6	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	1.0	0.0	0.0
10443	CG18009	Trf2	0	0	0	Pupal	1											
10463	CG8016	rad201	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.0	0.2
10477	CG9571	CG9571	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	5.0	0.0	0.0
10497	CG11294	CG11294	0	0	0	Before Pupal	1											
10595	CG30415	CG30415	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	4.0	0.0	0.0
10598	CG4797	CG4797	1	0	1	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
10600	CG30423	CG30423	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
10613	CG11348	nAcRbeta-64B	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10639	CG6146	Top1	1	2	3	Not Lethal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
10639	CG6146	Top1	10	0	10	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
10662	CG11988	neur	10	0	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
10663	CG1922	onecut	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10677	CG1584	Orc6	6	4	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
10679	CG18412	ph-p	0	0	0	Pupal	1											
10679	CG18412	ph-p	0	0	0	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10696	CG7413	Rbf	0	1	1	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
10709	CG4354	slbo	0	0	0	Pupal	1											
10711	CG10212	SMC2	4	3	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
10713	CG10212	SMC2	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
10715	CG6993	ss	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	1.0	3.0
10722	CG8573	su(Hw)	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10724	CG8573	su(Hw)	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0
10735	CG11987	tgo	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
10739	CG16778	Tkr	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
10749	CG3848	trr	0	0	0	Pupal	1											
10756	CG10037	vvl	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
10762	CG3696	kis	2	7	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0	0.0	0.0	1.2
10771	CG17218	CG17218	0	0	0	Pupal	1											
10771	CG17218	CG17218	0	0	0	Pupal	1											
10784	CG18816	Tsp42Eb	0	9	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10790	CG12844	Tsp42Eh	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
10791	CG12844	Tsp42Eh	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	5.0	0.0	0.0
10801	CG1705	Rst(1)JH	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10808	CG8815	Sin3A	2	4	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
10813	CG7345	Sox21a	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
10823	CG6269	unc-4	3	2	5	Not Lethal	0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10833	CG17396		10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	2.0
10835	CG2275	Jra	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	10.0	0.0	1.0	0.0
10853	CG6222	su(s)	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	2.0	0.0	1.0	3.0
10855	CG1856	ttk	9	1	10	Not Lethal	0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10856	CG3090	Sox14	4	6	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	1.0	3.0
10881	CG8142	CG8142	10	0	10	Not Lethal	0	0.0	7.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
10916	CG1828	dre4	0	0	0	Pupal	1											
10937	CG11397	glu	1	3	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0
10942	CG1119	Gnf1	10	0	10	Not Lethal	0	0.0	8.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
10943	CG1119	Gnf1	0	1	1	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
10967	CG7538	Mcm2	10	0	10	Not Lethal	0	0.0	8.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0
10970	CG13316	Mnt	0	0	0	Before Pupal	1											
10971	CG13316	Mnt	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
11010	CG13049	CG13049	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	4.0	0.0	0.0
11020	CG33989	pHCl	0	0	0	Before Pupal	1											
11067	CG5724	CG5724	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
11082	CG31731	CG31731	0	0	0	Pupal	1											
11096	CG11094	dsx	5	4	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	5.0
11099	CG11084	pk	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0
11107	CG8078	CG8078	2	4	6	Not Lethal		0.0	0.0	0.0	7.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
11112	CG14632	CG14632	3	4	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0
11149	CG3167	MAN1	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11152	CG5505	mule	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
11176	CG6211	gce	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11203	CG11246	Rpb8	0	0	0	Before Pupal	1											
11205	CG12005	Mms19	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
11210	CG9633	RpA-70	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
11211	CG9633	RpA-70	0	0	0	Pupal	1											
11219	CG3284	RpII15	0	0	0	Pupal	1											
11227	CG6349	DNApol-alpha180	0	0	0	Pupal	1											
11228	CG5380	CG5380	0	0	0	Pupal	1											
11229	CG5380	CG5380	0	0	0	Pupal	1											
11245	CG15367	Dip1	10	0	10	Not Lethal	0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
11257	CG1007	emc	0	1	1	Pupal	0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
11267	CG3891	CG3891	0	0	0	Pupal	1											
11270	CG3891	CG3891	0	1	1	Pupal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
11280	CG14049	Ilp6	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11317	CG15304	Neb-cGP	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11336	CG30080	CG30080	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11422	CG14773	CG14773	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	0.0
11446	CG8250	Alk	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11504	CG31390	MED7	0	0	0	Pupal	1											
11542	CG5541	CG5541	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
11547	CG9210	Ac13E	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
11554	CG8931	CG8931	2	8	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11558	CG9917	CG9917	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11570	CG5488	B-H2	10	0	10	Pupal	0	2.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	1.0	2.0
11575	CG7536	CG7536	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	2.0
11649	CG7678	CG7678	0	0	0	Pupal	1											
11655	CG9336	CG9336	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	2.0	0.0	0.0
11660	CG1499	CG1499	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11682	CG32736	CG32736	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
11690	CG32120	sens	0	0	0	Pupal	1											
11693	CG6364	CG6364	2	1	3	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0
11697	CG31090	CG31090	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
11701	CG14666	Tim17a2	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
11702	CG14666	Tim17a2	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
11717	CG9078	ifc	1	9	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11735	CG4105	Cyp4e3	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11746	CG6583	CG6583	0	10	10	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
11761	CG32972	CG32972	0	0	0	Pupal	1											
11763	CG4013	Smr	0	0	0	Pupal	1											
11766	CG9649	CG9649	1	3	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	5.0	0.0	0.0
11770	CG12051	Act42A	0	1	1	Pupal	0	3.0	0.0	0.0	0.0	0.0	1.0	0.0	2.0	0.0	1.0	10.0
11775	CG9786	hb	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11776	CG9786	hb	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11784	CG5099	msi	0	10	10	Not Lethal	0	0.0	0.0	1.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11791	CG8705	pnut	0	3	3	Pupal	0	0.0	1.0	0.0	0.0	0.0	1.0	2.0	0.0	4.0	0.0	0.0
11792	CG6348	ro	0	0	0	Pupal	1											
11796	CG10393	amos	0	0	0	Pupal	1											
11817	CG30267	CG30267	0	0	0	Pupal	1											
11821	CG31774	fred	8	2	10	Not Lethal	0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11855	CG4239	CG4239	0	0	0	Pupal	1											
11857	CG4239	CG4239	8	2	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
11938	CG6455	CG6455	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
11968	CG16944	sesB	0	0	0	Pupal	1											
11989	CG14214	Sec61gamma	0	0	0	Before Pupal	1											
12024	CG11648	Abd-B	5	4	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
12031	CG1101	Aly	0	8	8	Not Lethal	0	0.0	5.0	0.1	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0
12044	CG33183	Hr46	0	0	0	Before Pupal	1											
12082	CG8380	DAT	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	1.0
12098	CG17032	CG17032	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
12116	CG14396	Ret	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
12163	CG7084	CG7084	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
12187	CG33513	Nmdar2	0	0	0	Pupal	1											
12196	CG1967	p24-1	0	0	0	Before Pupal	1											
12198	CG1662	CG1662	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
12202	CG13011	CG13011	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
12203	CG13011	CG13011	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
12205	CG31236		4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	1.0	0.0
12209	CG2901	CG2901	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	3.0	0.0	0.0
12210	CG2901	CG2901	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0
12213	CG14417	CG14417	3	5	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	6.0	0.0	0.0
12215	CG14417	CG14417	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0
12221	CG11430	olf186-F	0	0	0	Pupal	1											
12223	CG11430	olf186-F	0	0	0	Pupal	1											
12227	CG3376	CG3376	2	8	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12239	CG32301	CG32301	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	1.0	0.0	0.0	0.0
12247	CG15168	CG15168	1	4	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12248	CG15168	CG15168	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
12253	CG5583	Ets98B	0	0	0	Pupal	1											
12258	CG6993	ss	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
12259	CG4013	Smr	0	0	0	Before Pupal	1											
12330	CG5670	Atpalpha	0	0	0	Pupal	1											
12342	CG4963	CG4963	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12352	CG10211	CG10211	0	0	0	Before Pupal	1											
12357	CG10492	CG10492	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	8.0	2.0	0.0	0.0	0.0	0.0	0.0
12358	CG10691	l(2)37Cc	2	0	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
12360	CG10691	l(2)37Cc	1	4	5	Pupal	0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	8.0	0.0	0.0
12386	CG33302	CG33302	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
12411	CG15255	CG15255	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
12412	CG15255	CG15255	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
12429	CG7655	CG7655	2	6	8	Not Lethal	0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12456	CG12051	Act42A	0	0	0	Pupal	1											
12470	CG10166	CG10166	0	0	0	Pupal	1											
12474	CG13082	CG13082	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
12475	CG33316	CG33316	1	3	4	Pupal	0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
12476	CG33316	CG33316	0	0	0	Before Pupal	1											
12477	CG33316	CG33316	1	4	5	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	3.0	0.0	0.0
12478	CG33316	CG33316	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	9.0	0.0	0.0
12482	CG2478	CG2478	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
12483	CG2478	CG2478	3	2	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	6.0	0.0	0.0
12485	CG2615	Ik2	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
12503	CG12944	Obp47a	2	3	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
12553	CG10295	Pak	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12555	CG10595	d	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	4.0	0.0	0.0
12556	CG10595	d	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
12558	CG7438	Myo31DF	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	3.0
12561	CG5041	Tfb4	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
12568	CG1650	unpg	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	3.0	7.0	0.0	0.0
12571	CG1884	Not1	0	0	0	Before Pupal	1											
12573	CG12052	lola	3	7	10	Pupal	0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	8.0	0.0	1.0	0.0
12574	CG12052	lola	3	4	7	Pupal	0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	8.0	0.0	1.0	0.0
12575	CG7614	Mat1	4	6	10	Not Lethal	0	0.0	0.0	0.0	2.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
12576	CG6751	CG6751	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
12577	CG6751	CG6751	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
12580	CG8151	Tfb1	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
12581	CG8151	Tfb1	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
12584	CG13906	nerfin-1	0	0	0	Pupal	1											
12591	CG10415	TfIIEalpha	0	0	0	Before Pupal	1											
12592	CG10415	TfIIEalpha	0	0	0	Before Pupal	1											
12596	CG7764	Tfb2	1	2	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
12598	CG5444	Taf4	0	0	0	Pupal	1											
12600	CG5444	Taf4	0	0	0	Pupal	1											
12602	CG6538	TfIIFbeta	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
12603	CG6538	TfIIFbeta	0	8	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	4.0	0.0	0.0
12610	CG4029	jumu	7	3	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12612	CG4029	jumu	10	0	10	Not Lethal	0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
12618	CG6258	RfC38	10	0	10	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
12626	CG10670	Gen	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12632	CG6338	Ets97D	0	9	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	1.0	0.0	0.0	0.0
12633	CG6338	Ets97D	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	4.0	0.0	0.0
12635	CG12399	Mad	0	0	0	Pupal	1											
12645	CG1064	Snr1	0	0	0	Pupal	1											
12647	CG13281	Cas	0	0	0	Pupal	1											
12648	CG13281	Cas	0	0	0	Pupal	1											
12654	CG17358	Taf12	10	0	10	Pupal	1											
12656	CG7895	tin	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
12663	CG6824	ovo	0	0	0	Pupal	1											
12664	CG6824	ovo	0	0	0	Pupal	1											
12665	CG9060	Zpr1	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
12668	CG12653	btd	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12673	CG4303	Bap60	0	0	0	Before Pupal	1											
12675	CG4303	Bap60	0	0	0	Pupal	1											
12681	CG1620	CG1620	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
12682	CG1620	CG1620	3	7	10	Not Lethal	0	0.0	1.0	0.0	0.0	3.0	2.0	2.0	2.0	0.0	0.0	0.0
12688	CG10122	Rpl1	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
12691	CG7839	CG7839	5	4	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
12698	CG11352	jim	0	0	0	Pupal	1											
12703	CG3839	l(1)sc	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12720	CG7074	mio	2	2	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0
12722	CG4654	Dp	1	6	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
12734	CG8416	Rho1	0	0	0	Pupal	1											
12745	CG5163	TfIIA-S	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	0.0
12746	CG5163	TfIIA-S	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
12751	CG4143	mbf1	0	3	3	Pupal	0	0.0	0.0	0.0	4.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
12752	CG4143	mbf1	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
12754	CG5057	MED10	0	0	0	Pupal	1											
12755	CG5057	MED10	0	0	0	Pupal	1											
12763	CG17117	hth	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12764	CG17117	hth	0	0	0	Pupal	1											
12768	CG5499	His2Av	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
12769	CG5825	His3.3A	0	0	0	Pupal	1											
12778	CG11661	Nc73EF	5	0	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	5.0	0.0	0.0
12781	CG32464	l(3)82Fd	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
12792	CG4307	Oscp	0	0	0	Pupal	1											
12794	CG4307	Oscp	0	0	0	Pupal	1											
12803	CG10107	CG10107	0	0	0	Pupal	1											
12808	CG9008	CG9008	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	8.0	7.0	0.0	0.0	4.0	0.0	0.0
12821	CG18332	CSN3	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	7.0	0.0	0.0
12822	CG18332	CSN3	2	4	6	Pupal	0	3.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
12823	CG7758	ppl	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
12824	CG7758	ppl	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
12834	CG7013	ARP-like	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12835	CG7013	ARP-like	0	0	0	Before Pupal	1											
12838	CG11455	CG11455	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
12840	CG30052	Obp49a	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	5.0	0.0	0.0	0.0
12858	CG6611	ect	1	5	6	Not Lethal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	7.0	0.0	0.0
12901	CG3734	CG3734	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	2.0	0.0	0.0
12903	CG33107	CG33107	0	10	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
12906	CG4000	CG4000	2	8	10	Pupal	0	2.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	4.0	0.0	0.0
12913	CG5864	AP-1sigma	3	1	4	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	7.0	0.0	0.0	0.0	0.0	0.0
12921	CG18404	CG18404	0	0	0	Pupal	1											
12922	CG18404	CG18404	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
12925	CG2216	Fer1HCH	0	0	0	Before Pupal	1											
12931	CG11027	Arf102F	0	0	0	Before Pupal	1											
12934	CG17052	CG17052	0	6	6	Pupal	0	0.0	1.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	3.0
12935	CG17052	CG17052	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12943	CG4087	RpLP1	0	0	0	Before Pupal	1											
12944	CG4087	RpLP1	0	0	0	Pupal	1											
12945	CG11266	CG11266	5	5	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
12952	CG4204	Elongin-B	0	0	0	Before Pupal	1											
12953	CG4204	Elongin-B	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	3.0	0.0	0.0
12961	CG12483	CG12483	1	0	1	Pupal	0	0.0	1.0	0.0	0.0	0.0	4.0	0.0	0.0	2.0	0.0	0.0
12980	CG17290	CG17290	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0
12982	CG17290	CG17290	1	7	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12998	CG30448	Obp56i	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	3.0
13005	CG9695	Dab	0	0	0	Pupal	1											
13028	CG31954	CG31954	9	1	10	Not Lethal	0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13041	CG7631	CG7631	4	0	4	Not Lethal	0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13043	CG9965	CG9965	0	5	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	1.0	0.0	0.0
13054	CG7162	MED1	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
13055	CG7162	MED1	0	0	0	Pupal	1											
13061	CG32133	CG32133	2	3	5	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
13066	CG32067	simj	0	0	0	Pupal	1											
13070	CG7036	rno	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	1.0	0.0
13072	CG15636	CG15636	2	4	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
13073	CG15636	CG15636	1	2	3	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
13074	CG15636	CG15636	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
13075	CG18389	Elp93F	0	0	0	Pupal	1											
13077	CG8328	HLHmdelta	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
13081	CG8817	lilli	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13082	CG8817	lilli	0	0	0	Before Pupal	1											
13102	CG13410	mRpL35	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
13107	CG5897	CG5897	4	6	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13112	CG4320	raptor	0	0	0	Before Pupal	1											
13121	CG7555	Nedd4	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
13128	CG18136	CG18136	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13130	CG6020	CG6020	7	3	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	7.0	0.0	0.0	2.0	0.0	0.0
13131	CG6020	CG6020	6	0	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	0.0
13132	CG32441	CG32441	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	2.0	0.0	0.0
13134	CG32441	CG32441	0	8	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	7.0	0.0	0.0
13135	CG14655	CG14655	0	2	2	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
13135	CG14655	CG14655	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
13139	CG15597	CG15597	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0
13141	CG31546	CG31546	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
13151	CG32468	CG32468	2	5	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13154	CG31302	CG31302	0	0	0	Pupal	1											
13177	CG12157	Tom40	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13178	CG12157	Tom40	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	1.0	0.0	0.0
13184	CG32705	CG32705	0	0	0	Pupal	1											
13198	CG15454	CG15454	0	0	0	Before Pupal	1											
13215	CG2837	CG2837	0	0	0	Before Pupal	1											
13245	CG6201	CG6201	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
13249	CG11066	scarface	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13275	CG1371	CG1371	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13283	CG17633	CG17633	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	7.0	0.0	0.0
13295	CG13300	CG13300	0	0	0	Before Pupal	1											
13296	CG13300	CG13300	0	0	0	Pupal	1											
13298	CG32025	desert	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13305	CG1449	zfh2	0	4	4	Pupal	1											
13308	CG2684	lds	0	0	0	Pupal	1											
13320	CG30481	mRpL53	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
13321	CG10200	CG10200	0	4	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0
13324	CG4692	CG4692	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	1.2	0.0	0.0
13325	CG4692	CG4692	4	6	10	Not Lethal	0	0.0	8.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
13326	CG1086	Glut1	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
13328	CG1086	Glut1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
13343	CG2985	Yp1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
13344	CG2985	Yp1	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
13351	CG4889	wg	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0
13360	CG1871	e(r)	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0
13361	CG15812	pfk	5	3	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	6.0	0.0	0.0
13362	CG7948	spn-A	0	0	0	Pupal	1											
13367	CG31976	CG31976	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	1.0	0.0	0.0
13395	CG18859	Or19a	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13395	CG18859	Or19a	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
13403	CG14028	cype	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
13404	CG14028	cype	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
13422	CG4795	Cpn	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
13425	CG5836	SF1	0	0	0	Pupal	1											
13426	CG5836	SF1	0	0	0	Pupal	1											
13443	CG13410	mRpL35	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
13466	CG10363	TeplV	10	0	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13479	CG1994	l(1)G0020	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	4.0	0.0	0.0
13492	CG6905	CG6905	0	0	0	Before Pupal	1											
13493	CG30269	CG30269	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
13517	CG5697	CG5697	0	0	0	Pupal	1											
13526	CG13757		6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0
13541	CG7818	CG7818	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
13566	CG7665	Fsh	0	8	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
13589	CG14915	CG14915	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
13590	CG14915	CG14915	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	2.9	0.0	0.0
13593	CG14925	Osi21	1	4	5	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
13595	CG14925	Osi21	0	8	8	Pupal	0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	1.0	0.0	0.0
13613	CG2917	Orc4	1	5	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
13614	CG2917	Orc4	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
13621	CG12018	CG12018	4	6	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
13625	CG10489	Pole2	3	6	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	4.0	0.0	0.0
13629	CG7339	CG7339	0	0	0	Pupal	1											
13636	CG9594	Chd3	2	5	7	Not Lethal	0	0.0	6.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
13639	CG4082	Mcm5	3	4	7	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	0.0
13645	CG6768	DNApol-epsilon	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
13647	CG6768	DNApol-epsilon	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
13661	CG4039	Mcm6	10	0	10	Not Lethal	0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13663	CG1554	RpII215	0	0	0	Pupal	1											
13664	CG2028	Cklalpha	0	0	0	Pupal	1											
13667	CG17397		1	2	3	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0
13669	CG17436		2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
13683	CG4756	CG4756	0	0	0	Pupal	1											
13687	CG6964	Gug	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	1.0	5.0
13696	CG10107	CG10107	0	0	0	Pupal	1											

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
13697	CG1245	MED27	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
13705	CG11491	br	0	0	0	Pupal	1											
13716	CG4013	Smr	10	0	10	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13725	CG5005	HLH54F	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	1.0	0.0
13731	CG10166	CG10166	0	0	0	Pupal	1											
13740	CG1884	Not1	0	0	0	Before Pupal	1											
13756	CG10293	how	0	0	0	Before Pupal	1											
13757	CG1520	WASp	7	3	10	Pupal	0	0.0	3.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
13759	CG1520	WASp	4	6	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13762	CG2183	CG2183	7	3	10	Not Lethal	0	0.0	8.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13767	CG6727	gom	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13777	CG9936	skd	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
13779	CG9768	hkb	0	2	2	Pupal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
13793	CG1607	CG1607	3	4	7	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	5.0	0.0	0.0	1.0	0.0	0.0
13794	CG5268	blp	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
13796	CG5268	blp	3	0	3	Pupal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	2.0	0.0	7.0
13810	CG8087	CG8087	7	3	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	3.0	0.0	0.0
13813	CG14852	CG14852	2	5	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	1.0	0.0
13820	CG31267	CG31267	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
13824	CG14147	CG14147	0	0	0	Pupal	1											
13825	CG32080	CG32080	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	3.0	0.0	0.0
13828	CG7636	mRpL2	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
13856	CG12079	CG12079	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
13858	CG12079	CG12079	10	0	10	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	5.0	0.0	0.0	1.0	0.0	0.0
13859	CG32029	CG32029	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
13864	CG7225	wbl	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
13871	CG15226	CG15226	0	8	8	Eclosion	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
13872	CG15650	CG15650	2	5	7	Pupal	0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	8.0	0.0	0.0
13875	CG3986	Cht4	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13883	CG30289	CG30289	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13890	CG9889	yellow-d	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
13926	CG15067	CG15067	4	6	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
13927	CG15067	CG15067	0	0	0	Pupal	1											
13960	CG30482	CG30482	8	2	10	Not Lethal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14000	CG7885	RpII33	0	0	0	Before Pupal	1											
14003	CG6611	ect	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
14008	CG9695	Dab	0	0	0	Before Pupal	1											
14011	CG18811	CG18811	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	10.0
14019	CG1871	e(r)	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
14020	CG15812	pfk	3	3	6	Not Lethal	0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	4.0	0.0	0.0	0.0
14023	CG2794	CG2794	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14032	CG8609	MED4	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
14063	CG13676	CG13676	0	0	0	Pupal	1											
14075	CG14107	CG14107	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
14099	CG7454	Or85a	3	6	9	Not Lethal	0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14107	CG32374	CG32374	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
14173	CG9311	CG9311	0	0	0	Pupal	1											
14174	CG9311	CG9311	0	0	0	Pupal	1											
14189	CG13461	CG13461	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	7.0	0.0	0.0	2.0	0.0	0.0
14191	CG33957	cp309	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	5.0	5.0	0.0	0.0	5.0	0.0	0.0
14192	CG33957	cp309	1	2	3	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
14194	CG17081	CG17081	10	0	10	Not Lethal	0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14207	CG3088	CG3088	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14210	CG8189	ATPsyn-b	1	1	2	Pupal	0	0.0	5.0	0.0	0.0	0.0	2.0	0.0	0.0	5.0	0.0	0.0
14211	CG8189	ATPsyn-b	2	2	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
14214	CG9040	CG9040	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	9.0
14218	CG8947	26-29-p	8	2	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14230	CG4982	CG4982	0	0	0	Pupal	1											
14270	CG9697	PGRP-SB2	2	8	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14283	CG7603	CG7603	2	4	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
14285	CG7603	CG7603	1	8	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
14289	CG32185	CG32185	4	5	9	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	5.0	0.0	1.0	0.0	0.0	0.0
14318	CG7365	CG7365	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
14319	CG7365	CG7365	6	4	10	Not Lethal	0	0.0	6.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
14334	CG11577	CG11577	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
14339	CG32206	CG32206	7	3	10	Not Lethal	0	0.0	9.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
14369	CG5866	CG5866	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0
14374	CG5873	CG5873	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.0
14383	CG17802	CG17802	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14385	CG31243	cpo	0	0	0	Before Pupal	1											
14392	CG7714	CG7714	1	5	6	Not Lethal	0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.0
14404	CG15769	CG15769	7	3	10	Not Lethal	0	0.0	7.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
14406	CG11462	CG11462	0	0	0	Before Pupal	1											
14416	CG31509	TotA	7	3	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14420	CG31508	TotC	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14444	CG6343	ND42	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	9.0	0.0	0.0	1.0	0.0	0.0
14455	CG5386	CG5386	0	0	0	Before Pupal	1											
14456	CG5386	CG5386	0	0	0	Before Pupal	1											
14469	CG10000	CG10000	1	1	2	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	2.5	0.0	0.0
14480	CG31152	CG31152	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	7.0	5.0	0.0	0.0	3.0	0.0	0.0
14481	CG31152	CG31152	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	6.0	1.0	0.0	0.0	0.0	0.0	0.0
14520	CG14787	CG14787	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
14521	CG14787	CG14787	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
14526	CG3100	b6	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
14529	CG3109	mRpL16	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
14530	CG17766	CG17766	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	1.0	0.0	0.0	0.0
14531	CG17766	CG17766	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	5.0	0.0	0.0
14534	CG32498	dnc	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
14535	CG32498	dnc	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
14541	CG32793	CG32793	0	0	0	Pupal	1											
14543	CG14420	CG14420	0	3	3	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
14555	CG10781	ng1	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	5.0	0.0	0.0	0.0
14556	CG10781	ng1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	1.0	0.0
14558	CG12206	CG12206	0	0	0	Pupal	1											
14575	CG4151	CG4151	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
14577	CG33980	CG33980	0	0	0	Before Pupal	1											
14579	CG1368	CG1368	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14580	CG11581	CG11581	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14606	CG2233	CG2233	1	3	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14609	CG2262	Smox	0	0	0	Pupal	1											
14614	CG32702	CG32702	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.4	0.0	0.0	0.0
14637	CG32685	CG32685	3	2	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	6.0	0.0	0.0
14641	CG15311	CG15311	0	2	2	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14645	CG15307	CG15307	6	4	10	Not Lethal	0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14682	CG17599	CG17599	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
14683	CG17599	CG17599	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
14684	CG10491	vn	4	6	10	Not Lethal	0	6.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0
14685	CG10491	vn	0	0	0	Before Pupal	1											
14691	CG1621	CG1621	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
14697	CG31148	CG31148	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
14725	CG13647	CG13647	0	0	0	Pupal	1											
14726	CG13647	CG13647	0	0	0	Pupal	1											
14727	CG31238	CG31238	10	0	10	Not Lethal	0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0
14751	CG4685	CG4685	5	5	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14781	CG6283	CG6283	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0
14783	CG5468	CG5468	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
14784	CG5468	CG5468	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
14798	CG14250	CG14250	0	0	0	Pupal	1											
14815	CG5560	CG5560	1	4	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	8.0
14821	CG11190	CG11190	0	0	0	Pupal	1											
14823	CG11190	CG11190	0	0	0	Pupal	1											
14834	CG11679	CG11679	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
14839	CG12875	CG12875	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14842	CG12425	CG12425	0	0	0	Pupal	1											
14848	CG11841	CG11841	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14857	CG7584	Obp99c	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
14871	CG2111	CG2111	0	10	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14874	CG2145	CG2145	1	3	4	Pupal	0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	3.3	0.0	8.0
14875	CG2145	CG2145	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	2.3	0.0	0.0
14877	CG2522	Gtp-bp	0	0	0	Before Pupal	1											

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
14882	CG4147	Hsc70-3	0	0	0	Before Pupal	1											
14883	CG4147	Hsc70-3	0	0	0	Before Pupal	1											
14885	CG15741	CG15741	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
14886	CG15741	CG15741	0	0	0	Pupal	1											
14890	CG15739	CG15739	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
14891	CG15739	CG15739	1	3	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
14900	CG32648	Pde9	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
14902	CG32645	CG32645	0	0	0	Pupal	1											
14903	CG32645	CG32645	0	0	0	Pupal	1											
14907	CG9676	CG9676	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	4.0	0.0	0.0
14915	CG10107	CG10107	0	0	0	Pupal	1											
14922	CG9768	hkb	0	0	0	Pupal	1											
14933	CG18104	arg	1	3	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14960	CG33980	CG33980	0	0	0	Pupal	1											
14966	CG17378	CG17378	0	0	0	Pupal	1											
14971	CG16812	CG16812	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
14982	CG9646	CG9646	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	8.0	0.0	0.0	0.0	0.0	0.0
14999	CG5756	CG5756	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
15000	CG5756	CG5756	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
15021	CG6219	cav	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0
15022	CG6219	cav	0	8	8	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	3.0	1.0	4.0	0.0	0.0	0.0
15081	CG13208	Obp47b	3	7	10	Pupal	0	2.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
15082	CG13208	Obp47b	0	3	3	Not Lethal	0	3.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0
15134	CG7173	CG7173	0	0	0	Pupal	1											
15156	CG18550	yellow-f	4	5	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0
15185	CG5186	slim	9	1	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	7.0	0.0	0.0
15194	CG10145	mspo	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
15199	CG8612	mRpL50	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
15200	CG8612	mRpL50	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
15216	CG12520	CG12520	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15238	CG3825	CG3825	0	1	1	Pupal	0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	1.0	0.0
15243	CG33988	CG33988	4	3	7	Not Lethal	0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
15244	CG33988	CG33988	0	0	0	Pupal	1											
15267	CG32302	CG32302	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
15272	CG14961	CG14961	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	1.0	0.0
15276	CG12002	Pxn	0	0	0	Pupal	1											
15277	CG12002	Pxn	0	0	0	Pupal	1											
15283	CG32269	CG32269	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
15286	CG11505	CG11505	0	0	0	Before Pupal	1											
15287	CG11505	CG11505	0	0	0	Pupal	1											
15298	CG5150	CG5150	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15303	CG9291	Elongin-C	0	0	0	Pupal	1											
15333	CG2859	Taf10	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	1.0	0.0	0.0
15337	CG9473	MED6	1	3	4	Pupal	0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
15339	CG9473	MED6	1	2	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
15347	CG9415	Xbp1	2	8	10	Not Lethal	0	8.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15351	CG9648	Max	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
15362	CG4821	Tequila	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15368	CG2016	CG2016	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15369	CG2016	CG2016	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
15374	CG9427	CG9427	0	0	0	Pupal	1											
15376	CG5500	CG5500	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15380	CG15220	CG15220	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
15382	CG15220	CG15220	1	4	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
15392	CG32833	CG32833	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
15396	CG1221	miple	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15399	CG10075	CG10075	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15418	CG6223	betaCop	0	0	0	Pupal	1											
15419	CG6223	betaCop	0	0	0	Before Pupal	1											
15425	CG10036	otp	0	10	10	Not Lethal	0	4.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
15451	CG10318	NC2alpha	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
15453	CG3644	bic	0	0	0	Pupal	1											
15457	CG14820	CG14820	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15464	CG8756	LCBP1	0	0	0	Pupal	1											
15465	CG8756	LCBP1	0	0	0	Pupal	1											
15466	CG32209	CG32209	0	0	0	Pupal	1											
15468	CG33343		0	0	0	Pupal	1											
15469	CG33343		3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	2.0	0.0	0.0	0.0	0.0	0.0
15480	CG15376	CG15376	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	4.0	0.0	0.0
15482	CG2371	CG2371	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
15483	CG2371	CG2371	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
15492	CG13356		0	0	0	Pupal	1											
15494	CG12416		4	6	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	3.0
15495	CG12416		7	3	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	2.0
15496	CG31821	CG31821	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
15499	CG13783	CG13783	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
15500	CG13783	CG13783	6	4	10	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0
15504	CG8869	Jon25Bii	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
15515	CG10764	CG10764	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	1.0	0.0	0.0
15516	CG10764	CG10764	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
15537	CG15818	CG15818	10	0	10	Not Lethal	0	0.0	0.0	0.3	0.7	0.0	1.0	0.0	0.0	0.0	0.0	0.0
15541	CG13095	CG13095	0	0	0	Pupal	1											
15544	CG9302	CG9302	0	0	0	Pupal	1											
15545	CG9302	CG9302	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	8.0	7.0	0.0	0.0	0.0	0.0	0.0
15547	CG9271	Vm34Ca	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
15548	CG9271	Vm34Ca	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	8.0	0.0	0.0
15549	CG1429	Mef2	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
15550	CG1429	Mef2	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
15565	CG4260	alpha-Adaptin	0	0	0	Pupal	1											
15566	CG4260	alpha-Adaptin	0	0	0	Pupal	1											
15570	CG17012	CG17012	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	0.0	0.0
15580	CG3246	CG3246	1	2	3	Pupal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	5.0	0.0	1.0	0.0
15596	CG17011	lectin-30A	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	7.0	0.0	0.0
15597	CG17011	lectin-30A	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	5.0	0.0	0.0
15601	CG3759	CG3759	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	7.0	0.0	0.0	0.0	0.0	0.0
15602	CG3759	CG3759	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	9.0	0.0	0.0	0.0	0.0	0.0
15604	CG15254	CG15254	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
15610	CG1017	CG1017	0	0	0	Before Pupal	1											
15613	CG1135	CG1135	0	0	0	Pupal	1											
15618	CG7386	CG7386	0	0	0	Pupal	1											
15620	CG10542	CG10542	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
15621	CG6619	CG6619	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15625	CG10984	CG10984	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15631	CG7323	CG7323	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
15636	CG9772	CG9772	7	3	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	4.0	0.0	0.0	4.0	0.0	0.0
15683	CG5371	RnrL	5	2	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
15692	CG8344	RpII1128	0	0	0	Pupal	1											
15698	CG8648	Fen1	6	2	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
15699	CG8648	Fen1	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
15709	CG13109	tai	0	0	0	Pupal	1											
15718	CG4882	CG4882	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
15719	CG7056	CG7056	3	6	9	Not Lethal	0	0.0	0.0	0.0	0.0	1.4	0.3	0.0	0.0	0.9	0.0	0.0
15721	CG7056	CG7056	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
15736	CG6443	CG6443	4	5	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
15741	CG32343	CG32343	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	8.0	1.0	0.0	0.0	0.0	1.0	3.0
15742	CG12690	CHES-1-like	0	0	0	Pupal	1											
15743	CG12690	CHES-1-like	0	0	0	Pupal	1											
15749	CG16738	slp1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	7.0	2.0	0.0	0.0	0.0	0.0	0.0
15753	CG3998	zf30C	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	2.0
15775	CG9342	CG9342	0	0	0	Pupal	1											
15780	CG12551	CG12551	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15783	CG1865	Spn43Ab	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15784	CG1865	Spn43Ab	0	8	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15790	CG8696	LvpH	10	0	10	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15829	CG31706	CG31706	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15838	CG5955	CG5955	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
15872	CG3069	Taf10b	3	7	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
15875	CG11607	H2.0	0	0	0	Pupal	1											
15877	CG12031	MED14	0	0	0	Pupal	1											
15878	CG7999	MED24	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	4.0	0.0	2.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
15886	CG6376	E2f	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	6.0	0.0	0.0
15887	CG6376	E2f	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	4.0	0.0	0.0	0.0
15900	CG7230	rib	0	0	0	Pupal	1											
15917	CG13073	CG13073	0	0	0	Pupal	1											
15944	CG14643	CG14643	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
15953	CG6289	CG6289	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0
15954	CG6289	CG6289	0	0	0	Before Pupal	1											
15993	CG10260	CG10260	0	0	0	Pupal	1											
16001	CG10272	gpp	0	0	0	Pupal	1											
16005	CG10289	CG10289	2	7	9	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
16006	CG10289	CG10289	0	10	10	Pupal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
16012	CG10305	RpS26	0	0	0	Before Pupal	1											
16035	CG10364	msb1l	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	2.0	0.0	0.0
16039	CG10210	tst	10	0	10	Not Lethal	0	1.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
16040	CG10377	Hrb27C	5	5	10	Pupal	0	1.0	1.0	0.0	0.0	0.0	3.0	0.0	0.0	5.0	0.0	0.0
16041	CG10377	Hrb27C	3	5	8	Pupal	0	0.0	2.0	0.0	0.0	0.0	4.0	0.0	0.0	4.0	0.0	0.0
16044	CG10379	mbc	7	3	10	Pupal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0
16045	CG10384	CG10384	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	3.0	0.0	0.0
16047	CG10414	CG10414	0	0	0	Pupal	1											
16058	CG10494	CG10494	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16067	CG10528	fs(2)ltoPP43	0	7	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
16068	CG10528	fs(2)ltoPP43	4	3	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	5.0	0.0	0.0
16077	CG10535	CG10535	0	9	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16103	CG10933	CG10933	0	0	0	Pupal	1											
16104	CG10938	ProsMA5	0	0	0	Before Pupal	1											
16105	CG10938	ProsMA5	0	0	0	Before Pupal	1											
16130	CG10965	Corp	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16134	CG10969	CG10969	0	0	0	Pupal	1											
16144	CG10979	CG10979	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	0.0
16145	CG10979	CG10979	6	4	10	Not Lethal	0	0.0	1.0	0.1	0.0	0.0	1.0	0.0	2.0	0.0	0.0	0.0
16182	CG1107	auxillin	0	0	0	Pupal	1											
16186	CG1109	CG1109	0	0	0	Eclosion	1											
16187	CG1109	CG1109	0	0	0	Pupal	1											
16188	CG11092	CG11092	0	0	0	Pupal	1											
16189	CG11092	CG11092	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	0.0
16210	CG11523	CG11523	4	6	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16211	CG11526	CG11526	0	0	0	Pupal	1											
16212	CG11526	CG11526	0	0	0	Pupal	1											
16227	CG11593	CG11593	0	0	0	Pupal	1											
16228	CG11593	CG11593	0	0	0	Pupal	1											
16239	CG11621	PI3K68D	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16244	CG11622	Rlip	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	3.0
16258	CG11659	CG11659	6	4	10	Not Lethal	0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16264	CG33975	CG33975	0	0	0	Eclosion	1											
16265	CG33975	CG33975	0	0	0	Adult	1											
16268	CG33208	MICAL	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	1.0	0.0	0.0
16283	CG3800	CG3800	0	8	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	6.0	0.0	0.0
16284	CG3800	CG3800	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
16289	CG11738	l(1)G0004	2	8	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
16293	CG11752	CG11752	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
16309	CG11779	CG11779	4	1	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
16331	CG11861	gft	0	0	0	Before Pupal	1											
16337	CG11873	CG11873	0	0	0	Before Pupal	1											
16338	CG11873	CG11873	0	0	0	Pupal	1											
16356	CG11893	CG11893	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0
16371	CG11940	CG11940	7	3	10	Not Lethal	0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
16373	CG11941	skpC	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
16381	CG12000	CG12000	0	0	0	Pupal	1											
16382	CG12000	CG12000	0	0	0	Pupal	1											
16385	CG12030	CG12030	0	0	0	Pupal	1											
16385	CG12030	CG12030	0	0	0	Pupal	1											
16400	CG12106	CG12106	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0
16432	CG4538	CG4538	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	3.0
16434	CG16734	CG16734	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
16444	CG13041	CG13041	0	0	0	Pupal	1											
16453	CG4998	CG4998	10	0	10	Pupal	0	0.0	3.0	0.0	0.0	0.0	3.0	0.0	0.0	4.0	0.0	0.0
16497	CG9521	CG9521	0	0	0	Before Pupal	1											
16500	CG9521	CG9521	0	0	0	Before Pupal	1											
16506	CG5599	CG5599	10	0	10	Pupal	0	0.0	1.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
16523	CG33103	Ppn	0	0	0	Pupal	1											
16538	CG7610	ATPsyn-gamma	0	2	2	Pupal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
16546	CG9733	CG9733	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
16556	CG1567	C901	0	0	0	Eclosion	1											
16589	CG10824	CG10824	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16604	CG9434	Fst	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16636	CG14372	CG14372	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
16653	CG3153	CG3153	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	4.0	0.0	0.0	0.0
16657	CG14840	CG14840	4	5	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	0.0
16663	CG3599	CG3599	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16681	CG14254	CG14254	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16696	CG11395	CG11395	0	0	0	Pupal	1											
16720	CG3634	CG3634	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
16729	CG12703	CG12703	0	6	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0
16747	CG5133	Doc1	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
16751	CG15191	e(y)2	10	0	10	Pupal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
16755	CG4013	Smr	0	0	0	Before Pupal	1											
16767	CG33227	CG33227	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	1.0	0.0	0.0	0.0	0.0	0.0
16786	CG14847	CG14847	1	6	7	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	3.0	0.0	0.0	4.0	0.0	0.0
16787	CG14847	CG14847	0	3	3	Before Pupal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
16789	CG5302	CG5302	1	2	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16792	CG33472	CG33472	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16801	CG11770	lin	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
16806	CG12372	spt4	2	0	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16820	CG2855	aph-1	7	3	10	Not Lethal	0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16821	CG2855	aph-1	10	0	10	Not Lethal	0	0.0	2.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16826	CG4013	Smr	0	0	0	Pupal	1											
16846	CG10711	CG10711	0	0	0	Pupal	1											
16847	CG10711	CG10711	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0
16893	CG4380	usp	0	0	0	Pupal	1											
16898	CG8102	CG8102	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0
16981	CG9109	CG9109	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
16982	CG9109	CG9109	0	0	0	Before Pupal	1											
17000	CG10805	CG10805	0	0	0	Pupal	1											
17002	CG10811	eIF-4G	0	0	0	Before Pupal	1											
17003	CG10811	eIF-4G	0	0	0	Before Pupal	1											
17005	CG10822	CG10822	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	3.0	0.0	7.0
17023	CG12123	CG12123	2	7	9	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
17031	CG12133	CG12133	0	9	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17032	CG12135	c12.1	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
17037	CG32721	CG32721	4	4	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	7.0	0.0	0.0
17038	CG32721	CG32721	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
17043	CG1216	mri	10	0	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
17044	CG12165	Incenp	7	3	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
17060	CG12261	mRpS22	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	2.0	0.0	0.0
17062	CG12261	mRpS22	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
17067	CG12182	CG12182	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
17081	CG33144	CG33144	0	0	0	Pupal	1											
17082	CG33144	CG33144	0	0	0	Pupal	1											
17083	CG1234	CG1234	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
17084	CG1234	CG1234	0	0	0	Pupal	1											
17099	CG12377	CG12377	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
17100	CG1239	CG1239	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
17102	CG12403	Vha68-1	0	1	1	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
17109	CG12614		10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
17112	CG12970	CG12970	10	0	10	Not Lethal	0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17116	CG32791	CG32791	0	0	0	Before Pupal	1											
17116	CG32791	CG32791	0	0	0	Pupal	1											
17132	CG13296	CG13296	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	1.5	0.0	0.0	0.0
17133	CG13296	CG13296	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
17134	CG13332	CG13332	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
17135	CG13332	CG13332	2	0	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
17139	CG13343	CG13343	1	2	3	Pupal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	1.0	0.0
17141	CG13344	CG13344	2	4	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	0.0
17142	CG13344	CG13344	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	1.5	0.0	0.0	0.0
17145	CG13345	RacGAP50C	4	6	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
17158	CG13369	CG13369	10	0	10	Not Lethal	0	0.0	0.0	1.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
17161	CG13369	CG13369	9	1	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	3.0	0.0	0.0
17162	CG18273	CG18273	4	4	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
17163	CG18273	CG18273	3	2	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
17167	CG13379	CG13379	3	4	7	Not Lethal	0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
17168	CG13389	RpS13	0	0	0	Pupal	1											
17171	CG13391	Aats-ala	0	0	0	Pupal	1											
17174	CG13407	CG13407	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
17176	CG1341	Rpt1	0	0	0	Before Pupal	1											
17198	CG33261	Trl	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	7.0	0.0	7.0
17205	CG13481	CG13481	2	6	8	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
17231	CG13539	CG13539	0	6	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
17235	CG1354	CG1354	4	3	7	Not Lethal	0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0
17244	CG11738	l(1)G0004	3	4	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
17245	CG11844	CG11844	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
17248	CG12030	CG12030	0	3	3	Not Lethal	0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0
17255	CG1331	Ccp84Af	10	0	10	Pupal	1											
17262	CG1263	RpL8	0	0	0	Pupal	1											
17274	CG13578	CG13578	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
17295	CG12713	CG12713	6	4	10	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17296	CG12713	CG12713	6	4	10	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
17303	CG12750	ncm	0	0	0	Before Pupal	1											
17304	CG12750	ncm	0	0	0	Pupal	1											
17306	CG12759	Dbp45A	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	6.0	0.0	0.0
17334	CG13623	CG13623	5	5	10	Pupal	0	0.0	7.0	0.0	0.0	0.0	3.0	0.0	0.0	1.0	0.0	0.0
17340	CG14011	CG14011	0	5	5	Not Lethal	0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17343	CG14013	CG14013	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	10.0
17348	CG14039	qtc	0	0	0	Pupal	1											
17349	CG14039	qtc	3	6	9	Not Lethal	0	3.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	2.0	0.0	0.0
17358	CG1406	U2A	1	5	6	Before Pupal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
17366	CG14065	CG14065	0	0	0	Pupal	1											
17367	CG14065	CG14065	1	4	5	Pupal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
17373	CG14074	CG14074	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0
17374	CG14074	CG14074	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	1.0	0.0	0.0
17407	CG14126	CG14126	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
17416	CG14174	CG14174	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
17418	CG14174	CG14174	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	9.0	0.0	0.0	0.0	0.0	0.0
17432	CG14217	Tao-1	0	0	0	Pupal	1											
17436	CG14224	CG14224	0	5	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
17453	CG14264	CG14264	0	0	0	Pupal	1											
17456	CG1427	CG1427	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	5.0	0.0	0.0
17457	CG1427	CG1427	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
17459	CG14270	CG14270	0	0	0	Pupal	1											
17471	CG14299	CG14299	6	4	10	Not Lethal	0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17473	CG1430	bys	2	4	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
17490	CG1433	Atu	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	2.0	0.0	0.0	0.0
17491	CG14333	CG14333	0	0	0	Pupal	1											
17492	CG14333	CG14333	0	0	0	Pupal	1											
17505	CG14366	CG14366	0	0	0	Pupal	1											
17506	CG14366	CG14366	0	0	0	Pupal	1											
17514	CG14387	CG14387	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0
17529	CG11139	p47	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	3.0	2.0	0.0	0.0	8.0	0.0	0.0
17530	CG11139	p47	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	4.0	3.0	0.0	0.0	6.0	0.0	0.0
17541	CG11286	CG11286	6	4	10	Not Lethal	0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17541	CG11286	CG11286	4	6	10	Not Lethal	0	8.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17543	CG11349	CG11349	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	9.0
17552	CG11732	Obp85a	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17559	CG11887	StIP	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	1.0	0.0	0.0
17560	CG11887	StIP	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
17567	CG12082	CG12082	0	0	0	Pupal	1											
17568	CG12082	CG12082	0	0	0	Pupal	1											
17571	CG12202	Nat1	0	0	0	Before Pupal	1											
17572	CG14410	CG14410	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	3.0	0.0	3.0	0.0	0.0
17574	CG14410	CG14410	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	0.0
17580	CG1442	eIF4E-6	10	0	10	Not Lethal	0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
17581	CG1442	eIF4E-6	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	8.0	0.0	0.0	8.0	0.0	0.0
17585	CG14425	CG14425	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17600	CG14435	CG14435	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
17613	CG14442	CG14442	2	6	8	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
17614	CG14442	CG14442	4	5	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
17626	CG14448	CG14448	7	3	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17636	CG14459	CG14459	0	0	0	Before Pupal	1											
17637	CG14459	CG14459	0	0	0	Pupal	1											
17643	CG14471	CG14471	10	0	10	Not Lethal	0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17647	CG14472	poe	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
17648	CG14472	poe	4	0	4	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
17671	CG14496	CG14496	0	0	0	Pupal	1											
17674	CG14497	CG14497	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
17690	CG13708	CG13708	8	2	10	Not Lethal	0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17698	CG13760	CG13760	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
17716	CG13852	mats	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	2.0	0.0	0.0	0.0	1.0	6.0
17730	CG13886	CG13886	0	2	2	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
17732	CG13889	CG13889	0	10	10	Pupal	0	0.0	3.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
17754	CG13933	CG13933	10	0	10	Not Lethal	0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17759	CG13942	CG13942	0	0	0	Pupal	1											
17760	CG1395	stg	3	5	8	Not Lethal	0	0.0	7.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
17766	CG13956	kat80	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	4.0	0.0	4.0	0.0	0.0
17781	CG12320	CG12320	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
17786	CG12324	RpS15Ab	0	0	0	Before Pupal	1											
17802	CG10419	CG10419	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17803	CG11158	CG11158	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17804	CG11756	CG11756	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	3.0
17807	CG11756	CG11756	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0
17829	CG5242	mRpL40	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
17844	CG15055	CG15055	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	1.5	1.5	0.0	0.0	5.0	0.0	0.0
17847	CG10685	CG10685	0	0	0	Pupal	1											
17856	CG12506	CG12506	6	4	10	Pupal	0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
17858	CG12506	CG12506	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
17860	CG33543	CG33543	10	0	10	Not Lethal	0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17869	CG14634	CG14634	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
17913	CG17418		0	5	5	Adult	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17917	CG1276	TfIIEbeta	0	0	0	Before Pupal	1											
17920	CG13738	CG13738	0	0	0	Pupal	1											
17922	CG13738	CG13738	0	0	0	Pupal	1											
17940	CG30369	CG30369	2	3	5	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	8.0	0.0	0.0	1.0	0.0	0.0
17949	CG33518	mun	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17950	CG33518	mun	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17952	CG2839	CG2839	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17954	CG10009	Noa36	0	0	0	Pupal	1											
17975	CG10061	l(3)s2214	7	1	8	Not Lethal	0	0.0	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17979	CG10067	Act57B	0	0	0	Pupal	1											
17984	CG10080	CG10080	0	10	10	Not Lethal	0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
18004	CG10107	CG10107	0	0	0	Pupal	1											
18005	CG10107	CG10107	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
18009	CG10110	cpsf	0	0	0	Pupal	1											
18019	CG10144	CG10144	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	0.0	0.0	0.0
18022	CG10149	Rpn6	0	0	0	Before Pupal	1											
18026	CG10158	CG10158	0	0	0	Pupal	1											
18037	CG10222	CG10222	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
18038	CG10222	CG10222	0	0	0	Pupal	1											
18039	CG10231	Pde11	0	0	0	Pupal	1											
18041	CG10231	Pde11	0	0	0	Pupal	1											
18073	CG11396	CG11396	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0
18074	CG11396	CG11396	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	4.0	0.0	0.0
18087	CG11417	CG11417	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
18088	CG11417	CG11417	2	0	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
18090	CG12740	RpL28	3	0	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
18091	CG12740	RpL28	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
18093	CG12895	CG12895	3	4	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
18095	CG12895	CG12895	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
18098	CG12975	CG12975	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	7.0	0.0	0.0
18101	CG1320	mRpL23	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
18105	CG7296	CG7296	0	7	7	Pupal	0	2.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	2.0	0.0	0.0
18106	CG17108	CG17108	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	2.0	0.0	0.0
18107	CG7279	Lip1	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
18112	CG6756	Tom70	0	0	0	Pupal	1											
18121	CG14597		9	1	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
18126	CG10539	S6k	0	5	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
18129	CG11151	CG11151	4	6	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
18130	CG11151	CG11151	4	6	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	7.0	0.0	0.0
18132	CG10333	CG10333	0	0	0	Pupal	1											
18133	CG10333	CG10333	0	0	0	Pupal	1											
18140	CG32498	dnc	3	5	8	Pupal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
18142	CG11123	CG11123	5	4	9	Pupal	0	2.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
18145	CG11130	Rtc1	4	6	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
18146	CG11132	DMAP1	0	0	0	Pupal	1											
18161	CG1116	CG1116	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	1.0	3.0
18163	CG11160	CG11160	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0
18171	CG11168	CG11168	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18172	CG11173	usnp	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18173	CG11173	usnp	0	0	0	Pupal	1											
18179	CG11181	cup	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
18182	CG11188	CG11188	0	0	0	Pupal	1											
18184	CG1120	CG1120	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
18188	CG11233	l(1)19Ec	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18208	CG13434	CG13434	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
18212	CG14216	CG14216	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	2.0	0.0	0.0
18213	CG14222	CG14222	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
18214	CG14229	CG14229	0	0	0	Pupal	1											
18217	CG14414	CG14414	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
18225	CG32810	CG32810	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
18226	CG32810	CG32810	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
18231	CG1490	Usp7	1	3	4	Pupal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
18250	CG13599	CG13599	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
18253	CG12729	CG12729	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18255	CG12637	CG12637	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18304	CG14656	CG14656	0	0	0	Pupal	1											
18307	CG14658	CG14658	10	0	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
18323	CG14677		0	3	3	Pupal	0	1.0	0.0	0.0	0.0	2.0	2.0	0.0	2.0	0.0	0.0	0.0
18324	CG14677		6	0	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
18347	CG14712	CG14712	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
18354	CG14721	CG14721	5	5	10	Not Lethal	0	0.0	3.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18379	CG14788	l(1)G0431	3	0	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
18380	CG14788	l(1)G0431	8	2	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
18396	CG14804	CG14804	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	7.0	0.0	7.0
18398	CG14804	CG14804	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18399	CG14827	mei-P22	2	4	6	Adult	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18428	CG10021	bowl	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0
18430	CG4627	CG4627	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18431	CG31371	CG31371	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
18433	CG9720	PH4alphaNE2	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18440	CG2918	CG2918	0	0	0	Before Pupal	1											
18456	CG13403	CG13403	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18461	CG9806	CG9806	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
18467	CG14911	CG14911	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18468	CG14911	CG14911	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
18474	CG14932	CG14932	10	0	10	Not Lethal	0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18484	CG14991	Flt1	0	0	0	Pupal	1											
18489	CG14998	CG14998	4	6	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18491	CG14998	CG14998	6	0	6	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
18492	CG15015	Cip4	2	4	6	Adult	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18497	CG33514	CG33514	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18509	CG15032	CG15032	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18526	CG11660	CG11660	5	4	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	6.0	0.0	0.0
18528	CG12276	Aos1	0	0	0	Pupal	1											
18532	CG4013	Smr	0	0	0	Pupal	1											
18534	CG8568	CG8568	0	0	0	Pupal	1											
18545	CG6461	CG6461	7	3	10	Adult	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18553	CG32542	CG32542	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
18554	CG32542	CG32542	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
18556	CG1324	CG1324	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
18565	CG8877	prp8	0	0	0	Before Pupal	1											
18567	CG8877	prp8	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
18593	CG1019	Mlp84B	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
18597	CG1024	CG1024	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
18599	CG1024	CG1024	0	0	0	Pupal	1											
18600	CG10255	Lap1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
18610	CG10392	Ogt	3	3	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
18611	CG10392	Ogt	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	1.0	0.0
18616	CG10399	CG10399	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18648	CG10540	cpa	0	0	0	Pupal	1											
18676	CG1100	Rpn5	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
18682	CG11053	CG11053	0	10	10	Pupal	0	0.0	8.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
18688	CG33140	CG33140	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.0	0.0	0.0	0.0
18723	CG12015	RabX6	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18736	CG1210	Pk61C	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0
18738	CG12101	Hsp60	0	0	0	Pupal	1											
18739	CG12101	Hsp60	0	0	0	Before Pupal	1											
18742	CG12113	l(1)G0095	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
18743	CG12113	l(1)G0095	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
18749	CG12272	CG12272	3	0	3	Eclosion	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
18750	CG12272	CG12272	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
18754	CG12298	sub	0	10	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
18764	CG12954	mRpL41	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
18765	CG12954	mRpL41	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
18770	CG13167	CG13167	1	8	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
18771	CG13167	CG13167	1	7	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
18776	CG13168	CG13168	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18782	CG13185	CG13185	4	3	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
18822	CG3608	CG3608	7	3	10	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
18832	CG9358	Phk-3	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
18842	CG1143	CG1143	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
18845	CG10850	ida	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
18847	CG10850	ida	6	4	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	2.0	0.0	0.0	4.0	0.0	0.0
18935	CG31239	CG31239	3	0	3	Pupal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
18937	CG31239	CG31239	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	2.0	0.0	0.0
18949	CG7104	Spz3	0	0	0	Pupal	1											
18950	CG7104	Spz3	0	0	0	Pupal	1											
18955	CG13900	CG13900	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
18988	CG33150	Gr59f	0	1	1	Adult	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19002	CG30389	CG30389	3	5	8	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	4.0	0.0	0.0	5.0	0.0	0.0
19004	CG11368	CG11368	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19021	CG9750	rept	0	0	0	Pupal	1											
19022	CG11153	Sox102F	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
19026	CG17950	HmgD	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
19027	CG17950	HmgD	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	1.6	0.0	0.0	0.0
19032	CG17549	CG17549	2	8	10	Not Lethal	0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
19035	CG17549	CG17549	10	0	10	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
19042	CG17572	CG17572	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19043	CG17572	CG17572	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19045	CG3433	Coprox	0	0	0	Pupal	1											
19045	CG3433	Coprox	0	0	0	Pupal	1											
19046	CG31845	CG31845	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
19065	CG1643	Atg5	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
19066	CG33553	Doa	0	0	0	Pupal	1											

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
19075	CG33229	CG33229	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
19079	CG17331	CG17331	0	0	0	Pupal	1											
19081	CG17331	CG17331	0	0	0	Before Pupal	1											
19083	CG17521	Qm	0	0	0	Before Pupal	1											
19084	CG17521	Qm	0	0	0	Pupal	1											
19093	CG17934	Mst84Db	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	0.0	0.0
19097	CG18156	CG18156	2	0	2	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
19098	CG18156	CG18156	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
19120	CG2082	CG2082	0	4	4	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19152	CG1569	rod	10	0	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	2.0	0.0	2.0	0.0	0.0	0.0
19153	CG1575	CG1575	0	1	1	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	3.0	0.0	7.0	0.0	0.0	0.0
19169	CG17153	CG17153	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
19171	CG17329	CG17329	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
19173	CG17332	VhaSFD	0	0	0	Pupal	1											
19180	CG17683	CG17683	10	0	10	Not Lethal	0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
19182	CG17947	alpha-Cat	0	0	0	Pupal	1											
19197	CG18806	CG18806	0	0	0	Pupal	1											
19198	CG12324	RpS15Ab	0	0	0	Before Pupal	1											
19202	CG7756	Hsc70-2	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
19206	CG3011	CG3011	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
19208	CG3011	CG3011	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	2.0	0.0	0.0
19210	CG30259	CG30259	4	3	7	Not Lethal	0	0.0	0.0	0.7	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0
19220	CG3040	CG3040	3	1	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	3.0	0.0	0.0
19223	CG30403	CG30403	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
19241	CG31791	CG31791	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	4.0	0.0	0.0	0.0	0.0	0.0
19242	CG31791	CG31791	9	1	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
19248	CG31952	CG31952	8	2	10	Not Lethal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19251	CG32048	CG32048	0	0	0	Pupal	1											
19253	CG32048	CG32048	0	0	0	Pupal	1											
19255	CG32075	CG32075	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	1.0	0.0	0.0
19256	CG32075	CG32075	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
19267	CG1628	CG1628	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19270	CG17786	CG17786	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19272	CG18174	Rpn11	0	0	0	Before Pupal	1											
19278	CG1973	CG1973	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
19297	CG1512	cul-2	10	0	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
19298	CG1512	cul-2	0	0	0	Pupal	1											
19309	CG15142	CG15142	0	1	1	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19329	CG1515	l(1)G0155	0	0	0	Pupal	1											
19339	CG10107	CG10107	3	4	7	Not Lethal	0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0
19379	CG15287	CG15287	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
19395	CG15314	CG15314	0	0	0	Before Pupal	1											
19398	CG1532	CG1532	0	0	0	Pupal	1											
19428	CG32717	sdt	0	1	1	Pupal	0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19431	CG33962	Cp7Fa	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
19450	CG15399	CG15399	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19466	CG15432	CG15432	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
19470	CG15433	CG15433	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
19485	CG10009	Noa36	1	0	1	Adult	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
19490	CG15439	CG15439	2	1	3	Adult	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
19494	CG15440	CG15440	0	3	3	Before Pupal	0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	1.0	0.0	0.0	0.0
19496	CG15440	CG15440	2	2	4	Pupal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0
19507	CG15489	CG15489	0	0	0	Pupal	1											
19512	CG33956	kay	0	0	0	Pupal	1											
19516	CG15523	CG15523	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19527	CG15572	CG15572	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
19529	CG1558	l(1)G0237	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
19530	CG1558	l(1)G0237	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
19540	CG15701	CG15701	4	3	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
19547	CG14842	CG14842	0	0	0	Before Pupal	1											
19555	CG13333	CG13333	0	0	0	Pupal	1											
19565	CG8256	l(2)k05713	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
19568	CG8355	sli	4	6	10	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19584	CG15737	CG15737	3	0	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	5.0	0.0	0.0
19594	CG32635	CG32635	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19613	CG15777	CG15777	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
19640	CG1603	CG1603	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	3.0	0.0	0.0
19641	CG1603	CG1603	1	6	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	1.0	0.0	4.0	0.0	0.0
19649	CG1657	CG1657	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
19656	CG16711	CG16711	0	9	9	Pupal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19661	CG16787	CG16787	0	0	0	Pupal	1											
19664	CG16813	CG16813	0	0	0	Pupal	1											
19679	CG5461	bun	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
19680	CG5461	bun	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	1.0	0.0	0.0	0.0
19688	CG11525	CycG	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
19689	CG11525	CycG	0	0	0	Pupal	1											
19691	CG11680	mle	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19692	CG11518	pygo	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	8.0	0.0	0.0
19693	CG11518	pygo	1	4	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
19696	CG15811	Rop	0	0	0	Before Pupal	1											
19703	CG3500	CG3500	0	0	0	Pupal	1											
19717	CG14226	dome	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
19730	CG5884	par-6	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
19731	CG5884	par-6	4	2	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0
19732	CG5884	par-6	0	0	0	Pupal	1											
19738	CG3906	CG3906	2	5	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	7.0	0.0	0.0
19749	CG30148	CG30148	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
19774	CG11686	CG11686	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	10.0
19783	CG2819	Pph13	0	0	0	Pupal	1											
19793	CG7626	Spt5	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	2.0	0.0	0.0	0.0
19804	CG9233	fu2	1	6	7	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
19805	CG9233	fu2	4	6	10	Pupal	0	0.0	0.0	0.0	0.0	8.0	1.0	0.0	0.0	3.0	0.0	0.0
19819	CG3178	Rrp1	10	0	10	Not Lethal	0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19867	CG11590	CG11590	0	0	0	Before Pupal	1											
19879	CG12506	CG12506	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19988	CG12523	CG12523	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19989	CG3292	CG3292	2	6	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
20027	CG11419	CG11419	2	8	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
20104	CG1100	Rpn5	0	0	0	Pupal	1											
20105	CG11053	CG11053	0	2	2	Pupal	0	1.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20117	CG3794		0	0	0	Pupal	1											
20120	CG33553	Doa	0	0	0	Pupal	1											
20123	CG17947	alpha-Cat	0	0	0	Pupal	1											
20127	CG11966	CG11966	0	0	0	Before Pupal	1											
20137	CG12007	CG12007	0	0	0	Pupal	1											
20143	CG12024	CG12024	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
20144	CG12085	pUf68	3	0	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
20151	CG12109	Caf1-180	7	3	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
20157	CG33183	Hr46	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
20177	CG12306	polo	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
20185	CG12346	cag	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	0.0
20205	CG15429	CG15429	10	0	10	Not Lethal	0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20206	CG15645	CG15645	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
20210	CG8355	sli	6	4	10	Not Lethal	0	1.0	4.0	0.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20240	CG12567		0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20250	CG12605	CG12605	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	1.0	1.0	3.0
20270	CG12892	Caf1-105	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0
20271	CG12921	mRpL42	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
20280	CG12924	CG12924	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20281	CG12924	CG12924	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20327	CG16912	CG16912	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
20334	CG3278	Tif-IA	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
20336	CG3278	Tif-IA	1	2	3	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
20338	CG16941	CG16941	0	0	0	Before Pupal	1											
20385	CG17159		1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
20388	CG17166	mRpL39	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
20410	CG17252	BCL7-like	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	1.0	0.0
20415	CG17264	CG17264	0	0	0	Pupal	1											
20432	CG17420		0	0	0	Pupal	1											
20433	CG17420		0	0	0	Before Pupal	1											

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
20445	CG17440	CG17440	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	1.0	0.0	0.0
20453	CG17446	CG17446	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
20458	CG17454		1	3	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
20483	CG17556	CG17556	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20518	CG1768	dia	3	0	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
20522	CG1770	HDAC4	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0
20538	CG17754	CG17754	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20544	CG17769	And	4	6	10	Not Lethal	0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
20561	CG17855	CG17855	8	0	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
20567	CG1789	CG1789	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
20571	CG7102	CG7102	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
20580	CG18012	CG18012	0	0	0	Pupal	1											
20599	CG18130	CG18130	0	0	0	Pupal	1											
20637	CG18497	spen	0	0	0	Pupal	1											
20665	CG33957	cp309	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20705	CG3658	CDC45L	10	0	10	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20711	CG1883	RpS7	0	0	0	Before Pupal	1											
20712	CG1883	RpS7	0	0	0	Before Pupal	1											
20729	CG1893	CG1893	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	0.0	0.0	0.0	0.0
20735	CG1901	mav	1	9	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20755	CG1915	sls	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
20761	CG1956	R	0	0	0	Pupal	1											
20771	CG1975	Rep2	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
20783	CG2031	Hpr1	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
20784	CG2031	Hpr1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
20793	CG2070	CG2070	0	0	0	Before Pupal	1											
20794	CG2070	CG2070	0	0	0	Pupal	1											
20796	CG2079	Dok	0	0	0	Pupal	1											
20796	CG2079	Dok	0	0	0	Pupal	1											
20798	CG2083	CG2083	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
20799	CG2091	CG2091	1	8	9	Not Lethal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
20804	CG2098	ferrochelatase	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
20814	CG2128	Hdac3	0	0	0	Pupal	1											
20824	CG2158	CG2158	10	0	10	Not Lethal		0.0	1.0	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20826	CG2161	Rga	10	0	10	Not Lethal	0	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
20829	CG2179	Xe7	9	1	10	Not Lethal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
20839	CG2199	CG2199	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
20849	CG2222	Psf3	10	0	10	Not Lethal	0	0.0	9.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
20855	CG2244	MTA1-like	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	1.0	0.0
20860	CG2258	CG2258	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
20876	CG2503	atms	0	0	0	Pupal	1											
20886	CG2608	CG2608	2	4	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	4.0	0.0	0.0
20887	CG2685	CG2685	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
20903	CG2790	CG2790	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	2.0	0.0	0.0	0.0	0.0
20905	CG32782	tlk	0	0	0	Before Pupal	1											
20909	CG2845	phl	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	7.0	0.0	0.0
20928	CG2898	CG2898	2	5	7	Adult	0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20933	CG2903	Hrs	0	1	1	Adult	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
20942	CG2910	nito	7	0	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
20943	CG2925	noi	0	0	0	Before Pupal	1											
20945	CG2925	noi	0	0	0	Before Pupal	1											
20946	CG2931	CG2931	4	4	8	Not Lethal	0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
20950	CG2934	VhaAC39	0	0	0	Pupal	1											
20951	CG2934	VhaAC39	0	0	0	Before Pupal	1											
20961	CG2972	CG2972	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
20962	CG2976	CG2976	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0
20963	CG5920	sop	0	0	0	Before Pupal	1											
20968	CG5933	CG5933	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
20969	CG5933	CG5933	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
20994	CG5965	woc	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	4.0
20995	CG5965	woc	2	3	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
20998	CG5970	CG5970	0	0	0	Pupal	1											
20999	CG5970	CG5970	0	0	0	Before Pupal	1											
21009	CG5994	Nelf-E	0	0	0	Pupal	1											
21010	CG5994	Nelf-E	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	3.0	0.0	0.0
21018	CG6030	ATPsyn-d	0	0	0	Before Pupal	1											
21025	CG6040	CG6040	5	5	10	Not Lethal	0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21037	CG7581	Bub3	10	0	10	Not Lethal	0	0.0	6.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
21045	CG7697	CstF-64	0	0	0	Pupal	1											
21048	CG7728	CG7728	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	3.0	0.0	0.0
21049	CG7728	CG7728	0	0	0	Pupal	1											
21053	CG30007	CG30007	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
21061	CG30023	sprt	0	0	0	Pupal	1											
21079	CG30070	CG30070	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
21090	CG30076	CG30076	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	1.0	0.0
21109	CG30149	rig	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21110	CG3017	Alas	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21135	CG30337		10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	2.0	0.0	1.0	0.0
21136	CG30342	CG30342	0	0	0	Pupal	1											
21137	CG30342	CG30342	0	0	0	Pupal	1											
21139	CG3035	cm	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
21156	CG18495	Prosalpha6	0	0	0	Before Pupal	1											
21173	CG30426	CG30426	2	6	8	Not Lethal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	5.0	0.0	0.0	0.0
21192	CG30459	CG30459	1	3	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21216	CG30483	Prosap	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	6.0	3.0	0.0	0.0	4.0	0.0	0.0
21218	CG30483	Prosap	0	5	5	Not Lethal	0	1.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	4.0	0.0	0.0
21244	CG30496	CG30496	2	3	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
21251	CG30500	CG30500	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21258	CG3058	CG3058	0	0	0	Pupal	1											
21259	CG3058	CG3058	0	0	0	Pupal	1											
21276	CG32697	l(1)G0232	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	0.0
21289	CG3104	CG3104	10	0	10	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
21293	CG31048	CG31048	0	0	0	Pupal	1											
21301	CG31099	CG31099	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21331	CG12581	CG12581	1	7	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	4.0	0.0	0.0
21333	CG31411	CG31411	10	0	10	Not Lethal	0	0.0	6.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
21344	CG31436	CG31436	0	0	0	Pupal	1											
21345	CG31441	CG31441	0	0	0	Pupal	1											
21358	CG31478	mRpL9	4	6	10	Not Lethal	0	0.0	2.0	0.0	0.1	0.0	6.0	4.0	0.0	0.0	0.0	0.0
21360	CG31499		10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
21370	CG31538	CG31538	6	4	10	Not Lethal	0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21385	CG31632	CG31632	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
21399	CG31695	scw	2	2	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
21405	CG31721	Trim9	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
21410	CG31739	CG31739	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
21412	CG31742	CG31742	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	3.0
21418	CG31757	CG31757	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0
21429	CG31842	mRpS23	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
21435	CG33205	CG33205	7	3	10	Not Lethal	0	2.0	0.0	1.0	0.0	6.0	0.0	0.0	0.0	2.0	0.0	0.0
21439	CG32082	CG32082	0	0	0	Pupal	1											
21454	CG32108	CG32108	0	0	0	Before Pupal	1											
21455	CG32108	CG32108	0	0	0	Before Pupal	1											
21477	CG32490	cpx	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	1.0	0.0
21478	CG32490	cpx	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	1.0	0.0
21480	CG3351	mRpL11	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
21481	CG3351	mRpL11	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
21483	CG3402	CG3402	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
21485	CG3402	CG3402	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
21494	CG3717	bcn92	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21500	CG3849	Lasp	0	0	0	Pupal	1											
21514	CG4046	RpS16	0	0	0	Before Pupal	1											
21516	CG4046	RpS16	0	0	0	Before Pupal	1											
21534	CG4742	mRpL22	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	0.0
21536	CG4760	bol	5	5	10	Not Lethal	0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21549	CG4944	cib	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
21568	CG5569	CG5569	3	0	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
21569	CG5569	CG5569	2	6	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
21573	CG6686	CG6686	0	0	0	Before Pupal	1											
21574	CG6686	CG6686	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
21577	CG7920	CG7920	8	2	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
21594	CG11098	Tango1	0	0	0	Pupal	1											
21603	CG32467	CG32467	0	0	0	Pupal	1											
21608	CG31923	CG31923	0	0	0	Before Pupal	1											
21616	CG4393	CG4393	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
21618	CG4400	CG4400	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0
21619	CG4400	CG4400	1	9	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
21620	CG4554	CG4554	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
21621	CG4554	CG4554	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
21641	CG5434	Srp72	0	0	0	Before Pupal	1											
21643	CG5568	CG5568	0	0	0	Before Pupal	1											
21645	CG5846	CG5846	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	4.0	0.0	0.0
21658	CG6637	CG6637	0	0	0	Pupal	1											
21661	CG3213	CG3213	1	4	5	Not Lethal	0	0.0	6.0	0.0	0.0	0.0	2.0	0.0	0.0	6.0	0.0	0.0
21669	CG32150	CG32150	0	0	0	Pupal	1											
21675	CG32344	CG32344	0	0	0	Pupal	1											
21677	CG3291	pcm	9	1	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
21695	CG3600	CG3600	0	0	0	Pupal	1											
21696	CG3600	CG3600	0	0	0	Pupal	1											
21707	CG3752	Aldh	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
21713	CG2213	CG2213	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
21715	CG3788	CG3788	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
21716	CG3817	CG3817	0	4	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
21718	CG3817	CG3817	1	2	3	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
21725	CG31373	CG31373	0	0	0	Before Pupal	1											
21728	CG3176	CG3176	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21732	CG32160	CG32160	0	10	10	Pupal	0	2.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	8.0	0.0	0.0
21733	CG3511	CG3511	0	8	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
21735	CG3511	CG3511	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	4.0	0.0	0.0
21738	CG3911	CG3911	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	8.0	0.0	0.0
21739	CG3941	pita	0	0	0	Pupal	1											
21748	CG3944	ND23	6	4	10	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	5.0	0.0	0.0	2.0	0.0	0.0
21749	CG3944	ND23	3	2	5	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	5.0	0.0	0.0	1.0	0.0	0.0
21756	CG3954	csw	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	3.0	0.0	0.0	0.0	0.0
21757	CG3954	csw	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	0.0	0.0	0.0
21763	CG2950	CG2950	5	5	10	Not Lethal	0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21770	CG12052	lola	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21772	CG4008	und	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
21775	CG4038	CG4038	2	0	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
21776	CG4043	Rrp46	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
21782	CG4062	Aats-val	0	0	0	Pupal	1											
21783	CG4069	CG4069	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	8.0	0.0	0.0
21784	CG4076	Nufip	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
21786	CG4107	Pcaf	7	3	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
21788	CG4108	Chmp1	0	10	10	Before Pupal	0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	7.6	0.0	0.0	0.0
21788	CG4108	Chmp1	2	6	8	Pupal	0	0.0	0.0	0.0	4.0	5.0	0.0	0.0	0.0	5.0	0.0	3.0
21789	CG32763	l(1)G0045	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
21790	CG32763	l(1)G0045	0	10	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
21792	CG4132	pkaap	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0	0.0
21793	CG4152	l(2)35Df	0	0	0	Before Pupal	1											
21795	CG4152	l(2)35Df	0	0	0	Pupal	1											
21799	CG4157	Rpn12	0	0	0	Before Pupal	1											
21806	CG4167	Hsp67Ba	3	5	8	Not Lethal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
21807	CG4167	Hsp67Ba	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0
21809	CG4184	MED15	0	0	0	Pupal	1											
21811	CG4193	dhd	2	2	4	Not Lethal	0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0
21813	CG4244	Su(dx)	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
21814	CG4244	Su(dx)	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
21827	CG4299	Set	1	5	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
21830	CG4345	grim	0	0	0	Pupal	1											
21839	CG4367	CG4367	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21841	CG4013	Smr	0	0	0	Pupal	1											
21850	CG32575	hang	8	2	10	Adult	0	0.0	2.0	0.0	0.0	0.0	1.0	2.0	0.0	0.0	0.0	0.0
21852	CG32575	hang	4	6	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
21862	CG4535	FKBP59	4	6	10	Adult	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21871	CG4569	Pros28.1B	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21874	CG4573	CG4573	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
21875	CG4573	CG4573	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
21878	CG4579	Nup154	2	1	3	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
21883	CG4584	dUTPase	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
21884	CG4584	dUTPase	4	4	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
21888	CG4593	CG4593	2	2	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	3.0	0.0	0.0
21895	CG4609	fax	3	5	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
21896	CG4609	fax	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	0.0	0.0
21899	CG4611	CG4611	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
21903	CG4621	YL-1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	0.0
21905	CG4633	Aats-ala-m	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	4.0	0.0	0.0	0.0	0.0
21906	CG4633	Aats-ala-m	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
21910	CG4641	CG4641	10	0	10	Not Lethal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0
21917	CG4673	CG4673	0	0	0	Before Pupal	1											
21928	CG4713	CG4713	0	0	0	Pupal	1											
21937	CG4738	CG4738	0	0	0	Before Pupal	1											
21943	CG4759	RpL27	0	0	0	Before Pupal	1											
21948	CG4785	CG4785	0	0	0	Pupal	1											
21949	CG4787	CG4787	0	0	0	Pupal	1											
21950	CG4813	CG4813	4	3	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	3.0	0.0	0.0
21960	CG4845	CG4845	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
21963	CG4849	CG4849	0	0	0	Pupal	1											
21973	CG4897	RpL7	0	0	0	Before Pupal	1											
21974	CG4903	MESR4	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	4.0	0.0	0.0
21976	CG4903	MESR4	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	2.0	0.0	0.0
21981	CG14929	CG14929	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21982	CG5000	msps	4	1	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
22003	CG5105	Plap	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
22004	CG5109	Pcl	0	0	0	Pupal	1											
22005	CG5109	Pcl	0	0	0	Pupal	1											
22007	CG5119	pAbp	0	0	0	Before Pupal	1											
22019	CG5160	CG5160	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
22024	CG5169	CG5169	1	0	1	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
22040	CG5232	Sas	0	6	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	3.0
22041	CG5232	Sas	7	3	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22050	CG5280	CG5280	0	6	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
22052	CG5289	Pros26.4	0	0	0	Before Pupal	1											
22057	CG5290	CG5290	0	0	0	Pupal	1											
22066	CG5333	trus	2	3	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
22067	CG5333	trus	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
22073	CG5338	RpS19b	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
22077	CG5341	sec6	0	0	0	Before Pupal	1											
22079	CG5341	sec6	2	0	2	Adult	0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
22097	CG5360	CG5360	0	10	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
22104	CG5378	Rpn7	0	0	0	Pupal	1											
22108	CG5383	PSR	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
22125	CG5433	Klc	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
22132	CG5454	CG5454	0	0	0	Pupal	1											
22133	CG5454	CG5454	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
22135	CG5463	CG5463	2	3	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
22137	CG5463	CG5463	3	5	8	Adult	0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
22138	CG5479	mRpL43	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
22145	CG5518	sda	5	1	6	Pupal	0	0.0	0.0	0.0	0.0	10.0	0.0	6.0	0.0	3.0	0.0	0.0
22147	CG5519	Gbp	0	0	0	Before Pupal	1											
22154	CG5525	CG5525	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
22155	CG5525	CG5525	0	0	0	Before Pupal	1											
22158	CG5537	CG5537	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
22164	CG5585	CG5585	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
22170	CG5591	CG5591	1	2	3	Eclosion	0	0.0	0.0	0.0	0.0	0.0	4.0	2.0	0.0	0.0	0.0	2.0
22171	CG5591	CG5591	2	6	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.0	0.0	0.0	0.0
22172	CG32467	CG32467	0	0	0	Pupal	1											
22180	CG5625	CG5625	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22194	CG5703	CG5703	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	2.0	0.0	0.0	0.0	0.0
22197	CG5740	CG5740	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	5.0	0.0	0.0	0.0	0.0
22198	CG5771	Rab11	0	0	0	Before Pupal	1											

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
22199	CG5808	CG5808	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
22207	CG5837	Hem	0	1	1	Pupal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
22209	CG5838	Dref	0	0	0	Pupal	1											
22210	CG5838	Dref	0	0	0	Pupal	1											
22217	CG6090	RpL34a	0	0	0	Before Pupal	1											
22218	CG6090	RpL34a	0	0	0	Before Pupal	1											
22225	CG6114	CG6114	0	0	0	Pupal	1											
22231	CG6121	Tip60	0	0	0	Pupal	1											
22233	CG6121	Tip60	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0	0.0	0.0
22235	CG6122	piwi	0	0	0	Before Pupal	1											
22244	CG6141	RpL9	0	0	0	Pupal	1											
22252	CG6147	Tsc1	5	5	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
22269	CG5781	CG5781	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	4.0	0.0	0.0
22272	CG6169	CG6169	0	0	0	Pupal	1											
22276	CG6174	Arp87C	0	0	0	Pupal	1											
22277	CG6174	Arp87C	0	0	0	Pupal	1											
22280	CG6177	Idlcp	0	0	0	Pupal	1											
22281	CG6177	Idlcp	0	0	0	Pupal	1											
22287	CG6189	l(1)1Bi	0	0	0	Pupal	1											
22288	CG6189	l(1)1Bi	0	0	0	Pupal	1											
22293	CG6194	CG6194	1	6	7	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22294	CG6194	CG6194	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	3.0	0.0	0.0
22300	CG6198	CHORD	0	0	0	Pupal	1											
22307	CG6932	CSN6	10	0	10	Not Lethal	0	2.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
22308	CG6932	CSN6	2	5	7	Not Lethal	0	2.0	1.0	2.0	0.0	0.0	1.0	0.0	0.0	5.0	0.0	0.0
22315	CG6937	CG6937	0	0	0	Pupal	1											
22317	CG6939	Sbf	0	0	0	Eclosion	1											
22331	CG7035	Cbp80	0	0	0	Before Pupal	1											
22332	CG7035	Cbp80	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
22335	CG7037	Cbl	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22346	CG12333	CG12333	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22348	CG2637	Fs(2)Ket	0	0	0	Pupal	1											
22379	CG6625	Snap	0	0	0	Before Pupal	1											
22407	CG6743	Nup170	0	0	0	Before Pupal	1											
22419	CG6759	cdc16	0	8	8	Not Lethal	0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
22438	CG6801	l(3)j2D3	0	0	0	Pupal	1											
22439	CG6801	l(3)j2D3	0	0	0	Before Pupal	1											
22444	CG6815	bor	0	0	0	Pupal	1											
22445	CG6815	bor	0	5	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	3.0	0.0	0.0
22446	CG6819	mbo	0	0	0	Pupal	1											
22450	CG6834	CG6834	3	2	5	Pupal	0	0.0	1.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
22454	CG6873	CG6873	0	0	0	Pupal	1											
22478	CG6226	FK506-bp1	1	0	1	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
22480	CG6226	FK506-bp1	2	2	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
22488	CG6341	Ef1beta	0	0	0	Pupal	1											
22495	CG6472	CG6472	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
22496	CG6509	CG6509	8	2	10	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
22497	CG6521	Stam	0	8	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	5.0
22540	CG7239	CG7239	0	0	0	Pupal	1											
22548	CG7257	CG7257	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22556	CG7269	Hel25E	0	0	0	Pupal	1											
22557	CG7269	Hel25E	0	0	0	Before Pupal	1											
22561	CG7275	CG7275	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
22574	CG7843	CG7843	5	4	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
22575	CG7843	CG7843	2	3	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
22578	CG7845	CG7845	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
22588	CG7849	CG7849	0	4	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0
22590	CG7855	timeout	5	5	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22592	CG7855	timeout	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
22597	CG4345	grim	0	0	0	Before Pupal	1											
22600	CG4597	CG4597	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22635	CG7950	CG7950	1	4	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	3.0	0.0	0.0
22660	CG8003	CG8003	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22664	CG8005	CG8005	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
22671	CG8014	Rme-8	7	2	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
22672	CG8014	Rme-8	3	2	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
22693	CG5637	nos	0	0	0	Pupal	1											
22700	CG6785	CG6785	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	6.0	0.0	0.0	0.0	0.0	0.0
22703	CG6883	trh	0	0	0	Pupal	1											
22704	CG6883	trh	0	1	1	Pupal	0	1.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22709	CG13548	CG13548	7	3	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	8.0	0.0	0.0
22710	CG13548	CG13548	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
22714	CG13608	mRpS24	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
22718	CG14057	CG14057	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
22724	CG14249	beat-VII	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
22738	CG14413	mRpS25	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
22740	CG14413	mRpS25	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
22760	CG10751	robl	4	6	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	3.0	0.0	0.0
22761	CG10751	robl	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
22763	CG32021	CG32021	8	2	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
22767	CG32859	eIF4E-7	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22772	CG11985	CG11985	0	0	0	Pupal	1											
22773	CG11985	CG11985	0	0	0	Pupal	1											
22775	CG12158	CG12158	8	2	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
22777	CG12158	CG12158	1	7	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	8.0	0.0	0.0
22781	CG32685	CG32685	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	4.0	0.0	0.0	6.0	0.0	0.0
22800	CG13673	CG13673	0	0	0	Pupal	1											
22801	CG13673	CG13673	0	0	0	Pupal	1											
22810	CG13719	CG13719	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	3.0
22823	CG9379	by	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
22836	CG10267	CG10267	0	0	0	Before Pupal	1											
22841	CG10601	mirr	3	4	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	7.0	2.0	1.0	0.0	0.0	0.0
22843	CG10601	mirr	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
22850	CG10724	CG10724	0	0	0	Pupal	1											
22851	CG10724	CG10724	0	0	0	Pupal	1											
22853	CG10772	Fur1	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	4.0	4.0	0.0	0.0	5.0	0.0	0.0
22860	CG1140	CG1140	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	8.0	0.0	0.0	0.0	0.0	0.0
22883	CG12864	Su(var)2-HP2	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
22901	CG1531	CG1531	0	0	0	Pupal	1											
22902	CG1531	CG1531	0	0	0	Pupal	1											
22905	CG15322	CG15322	0	0	0	Before Pupal	1											
22906	CG15322	CG15322	0	0	0	Pupal	1											
22908	CG15378	lectin-22C	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
22911	CG15470	CG15470	0	0	0	Pupal	1											
22920	CG16880	l(2)34Fa	4	3	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
22944	CG2198	Ama	0	1	1	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22959	CG30437	CG30437	2	6	8	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0
22983	CG3811	Oatp30B	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	6.0	0.0	0.0	0.0	0.0
22984	CG3811	Oatp30B	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
22994	CG4114	ex	3	5	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	4.0
23000	CG32575	hang	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	4.0	0.0	0.0
23003	CG4938	Aats-ser	0	0	0	Before Pupal	1											
23004	CG4938	Aats-ser	0	0	0	Before Pupal	1											
23016	CG6721	Gap1	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
23017	CG6721	Gap1	0	0	0	Pupal	1											
23027	CG8086	CG8086	0	0	0	Before Pupal	1											
23028	CG8086	CG8086	0	0	0	Before Pupal	1											
23033	CG8091	Nc	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
23040	CG12220	mRpL32	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
23041	CG12220	mRpL32	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
23061	CG9890	CG9890	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
23062	CG9890	CG9890	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	7.0	0.0	0.0
23079	CG33747	primo-2	0	0	0	Pupal	1											
23081	CG33747	primo-2	0	0	0	Pupal	1											
23082	CG8385	Arf79F	0	0	0	Before Pupal	1											
23091	CG12333	CG12333	10	0	10	Not Lethal	0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23105	CG15411	CG15411	0	0	0	Pupal	1											
23114	CG31856	CG31856	3	5	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
23119	CG7123	LanB1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
23121	CG7123	LanB1	1	3	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
23126	CG8146	Socs16D	10	0	10	Not Lethal	0	1.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	4.0	0.0	0.0
23130	CG8171	dup	0	0	0	Before Pupal	1											
23131	CG8171	dup	0	0	0	Before Pupal	1											
23136	CG8306	CG8306	0	0	0	Before Pupal	1											
23142	CG8491	kto	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
23143	CG8491	kto	2	4	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	7.0	0.0	0.0	0.0
23150	CG8749	snRNP70K	0	0	0	Pupal	1											
23151	CG8749	snRNP70K	0	0	0	Pupal	1											
23153	CG9047	CG9047	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
23183	CG8515	CG8515	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
23185	CG8515	CG8515	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
23186	CG10853	CG10853	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23189	CG10853	CG10853	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23199	CG5216	Sir2	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23206	CG13873	Obp56g	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
23226	CG18678	CG18678	0	0	0	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23229	CG2013	UbcD6	0	0	0	Pupal	1											
23230	CG2013	UbcD6	0	0	0	Pupal	1											
23231	CG30320	CG30320	5	5	10	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	3.0
23232	CG30320	CG30320	0	0	0	Pupal	1											
23249	CG5184	mRpS11	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
23250	CG5184	mRpS11	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
23253	CG7299	CG7299	10	0	10	Not Lethal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23254	CG8117	CG8117	4	2	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
23255	CG9172	CG9172	4	5	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	0.0
23256	CG9172	CG9172	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	1.0	0.0	0.0
23257	CG10781	ng1	0	9	9	Pupal	0	1.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
23258	CG10781	ng1	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	7.0	9.0	0.0	0.0	0.0	0.0	3.0
23265	CG13674	CG13674	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
23289	CG6840	Rpb11	0	0	0	Before Pupal	1											
23290	CG6840	Rpb11	0	0	0	Pupal	1											
23294	CG33785	CG33785	2	3	5	Pupal	0	0.0	4.0	0.0	0.0	0.0	6.0	0.0	0.0	6.0	0.0	0.0
23296	CG33785	CG33785	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	5.0	0.0	0.0
23298	CG4337	mtSSB	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
23299	CG4337	mtSSB	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
23308	CG33520	Rpb4	0	0	0	Before Pupal	1											
23335	CG9032	sun	7	3	10	Pupal	0	0.0	9.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
23342	CG32698	CG32698	0	0	0	Before Pupal	1											
23355	CG1577	mRpL52	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
23359	CG6988	Pdi	8	2	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23364	CG10406	mRpS33	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
23367	CG10466	CG10466	0	0	0	Pupal	1											
23370	CG11043	CG11043	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
23376	CG11258	mRpL20	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
23377	CG11258	mRpL20	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
23381	CG11824	CG11824	0	0	0	Before Pupal	1											
23403	CG31812	CG31812	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
23404	CG31812	CG31812	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
23416	CG3661	RpL23	0	0	0	Before Pupal	1											
23418	CG3661	RpL23	0	0	0	Before Pupal	1											
23419	CG4863	RpL3	0	0	0	Before Pupal	1											
23420	CG4863	RpL3	0	0	0	Pupal	1											
23422	CG5417	Srp14	0	0	0	Pupal	1											
23458	CG7283	RpL10Ab	0	0	0	Before Pupal	1											
23459	CG7283	RpL10Ab	0	0	0	Pupal	1											
23467	CG8680	CG8680	6	4	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
23477	CG8857	RpS11	0	0	0	Pupal	1											
23480	CG8928	CG8928	0	0	0	Pupal	1											
23489	CG13981	CG13981	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
23519	CG3513	CG3513	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23539	CG17409		8	2	10	Not Lethal	0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23548	CG17541		10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
23565	CG18001	RpL38	0	0	0	Before Pupal	1											
23569	CG18591	CG18591	0	0	0	Before Pupal	1											
23570	CG18591	CG18591	0	0	0	Pupal	1											
23574	CG30029	CG30029	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23578	CG3997	RpL39	0	0	0	Pupal	1											
23589	CG5827	RpL37A	0	0	0	Before Pupal	1											
23590	CG5827	RpL37A	0	0	0	Pupal	1											
23606	CG12340	CG12340	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
23617	CG8728	CG8728	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	4.0	6.0	0.0	0.0	7.0	0.0	0.0
23618	CG8739	cmp44E	0	0	0	Pupal	1											
23619	CG8739	cmp44E	0	0	0	Pupal	1											
23629	CG8851	CG8851	1	8	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	8.0	0.0	0.0
23637	CG8863	CG8863	0	0	0	Pupal	1											
23638	CG8863	CG8863	0	0	0	Before Pupal	1											
23639	CG8865	Rgl	8	2	10	Not Lethal	0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23650	CG8902	CG8902	5	2	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
23666	CG9012	Chc	0	0	0	Before Pupal	1											
23669	CG7637	CG7637	5	2	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
23670	CG7637	CG7637	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
23675	CG8021	CG8021	3	6	9	Not Lethal	0	8.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23678	CG8268	Srp9	1	3	4	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
23685	CG9032	sun	2	3	5	Pupal	0	0.0	9.0	0.0	0.0	0.0	1.0	0.0	0.0	2.0	0.0	0.0
23689	CG9344	CG9344	0	0	0	Pupal	1											
23690	CG9344	CG9344	0	0	0	Pupal	1											
23697	CG9470	MtnA	4	6	10	Not Lethal	0	2.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
23702	CG9790	Cks85A	5	5	10	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
23703	CG9878	Tim10	1	2	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	7.0	0.0	0.0
23705	CG9878	Tim10	6	3	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
23726	CG8269	Dmn	0	0	0	Pupal	1											
23728	CG8269	Dmn	0	0	0	Pupal	1											
23737	CG9383	asf1	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	6.0	0.0	0.0	3.0	0.0	0.0
23748	CG8136	CG8136	2	8	10	Not Lethal	0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23751	CG8231	l(1)G0022	0	0	0	Adult	1											
23759	CG8326	CG8326	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	9.0	0.0	0.0
23760	CG8326	CG8326	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
23764	CG8330	tomboy40	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
23765	CG8441	CG8441	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	2.0
23766	CG8441	CG8441	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0
23769	CG8454	Vps16A	0	0	0	Pupal	1											
23772	CG8730	drosha	3	7	10	Not Lethal	0	0.0	6.1	0.0	0.0	0.0	1.6	0.0	0.0	2.3	0.0	0.0
23773	CG8730	drosha	8	2	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	0.0
23825	CG1639	l(1)10Bb	0	0	0	Pupal	1											
23826	CG1639	l(1)10Bb	0	0	0	Pupal	1											
23837	CG16777	CG16777	0	0	0	Before Pupal	1											
23839	CG16777	CG16777	0	0	0	Pupal	1											
23848	CG13127	CG13127	3	6	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
23850	CG13127	CG13127	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
23851	CG1316	CG1316	3	3	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
23858	CG13243	CG13243	0	0	0	Pupal	1											
23859	CG13243	CG13243	0	0	0	Pupal	1											
23862	CG13277	CG13277	1	2	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	8.0	0.0	0.0
23863	CG13277	CG13277	0	0	0	Pupal	1											
23863	CG13277	CG13277	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
23865	CG13320	Sans	5	2	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
23866	CG13320	Sans	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23869	CG13321	CG13321	1	4	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
23870	CG13321	CG13321	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
23873	CG13349	CG13349	2	8	10	Not Lethal	0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23886	CG13383	CSN8	0	1	1	Not Lethal	0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	8.0	0.0	0.0
23888	CG13503	CG13503	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	1.0	0.0
23892	CG13544	CG13544	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23896	CG13570	spag	2	4	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
23911	CG14080	Mkp3	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23944	CG9712	TSG101	0	0	0	Pupal	1											
23945	CG32676	CG32676	0	0	0	Before Pupal	1											
23946	CG32676	CG32676	0	0	0	Before Pupal	1											
23949	CG9735	Aats-trp	0	0	0	Pupal	1											
23951	CG9735	Aats-trp	0	0	0	Before Pupal	1											

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
23958	CG18011	CG18011	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23981	CG15675	CG15675	3	4	7	Pupal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24017	CG9388	AP-47	3	3	6	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	4.0	0.0	0.0
24036	CG9460	CG9460	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	2.0	0.0	0.0	0.0
24039	CG9461	CG9461	3	5	8	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24041	CG9461	CG9461	10	0	10	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
24047	CG9498	CG9498	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
24076	CG9638	Ada2b	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
24093	CG8414	CG8414	7	3	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	2.0	0.0	0.0
24098	CG8439	Cct5	0	0	0	Before Pupal	1											
24099	CG13175	CG13175	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24100	CG13175	CG13175	6	4	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24103	CG8461	CG8461	4	3	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
24107	CG8465	l(1)G0222	1	4	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
24114	CG8506	CG8506	0	0	0	Pupal	1											
24125	CG8542	Hsc70-5	0	0	0	Pupal	1											
24126	CG8563	CG8563	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24127	CG8564	CG8564	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
24128	CG8564	CG8564	0	0	0	Pupal	1											
24130	CG8580	bhr	0	0	0	Pupal	1											
24136	CG9246	CG9246	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
24137	CG9252	CG9252	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24138	CG9277	betaTub56D	0	0	0	Pupal	1											
24139	CG9300	CG9300	0	0	0	Pupal	1											
24143	CG9351	fifl	0	7	7	Pupal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
24144	CG9359	betaTub85D	0	5	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
24148	CG8890	Gmd	10	0	10	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24152	CG9242	bur	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
24156	CG9326	CG9326	0	0	0	Pupal	1											
24157	CG9326	CG9326	0	0	0	Eclosion	1											
24171	CG9900	mit(1)15	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
24172	CG9900	mit(1)15	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
24176	CG9998	U2af50	0	0	0	Pupal	1											
24177	CG9998	U2af50	0	0	0	Pupal	1											
24193	CG4013	Smr	1	3	4	Not Lethal	0	0.0	9.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
24215	CG8149	CG8149	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	3.0	0.0	0.0
24216	CG8149	CG8149	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
24218	CG8155	CG8155	4	4	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	8.0	0.0	0.0
24221	CG8155	CG8155	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	4.0	4.0	0.0	0.0
24225	CG8086	CG8086	3	1	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
24226	CG8086	CG8086	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
24237	CG8211	CG8211	0	0	0	Pupal	1											
24239	CG8211	CG8211	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24248	CG8233	CG8233	0	0	0	Pupal	1											
24253	CG8239	CG8239	0	2	2	Not Lethal	0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24253	CG8239	CG8239	6	4	10	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24254	CG8239	CG8239	5	5	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
24254	CG8239	CG8239	10	0	10	Not Lethal	0	0.0	2.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24257	CG8251	Pgi	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
24258	CG8251	Pgi	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	3.0
24265	CG8274	Mtor	4	1	5	Pupal	0	0.0	0.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0
24270	CG8280	Ef1alpha48D	0	0	0	Pupal	1											
24271	CG8280	Ef1alpha48D	0	0	0	Before Pupal	1											
24278	CG8288	mRpL3	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
24297	CG8308	alphaTub67C	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
24305	CG8395	Rrp42	4	2	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
24313	CG17665	CG17665	0	10	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
24325	CG17824	CG17824	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
24333	CG18673	CG18673	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24354	CG2331	TER94	0	0	0	Before Pupal	1											
24370	CG7691	CG7691	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0
24446	CG9047	CG9047	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
24451	CG3265	Eb1	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
24466	CG5460	H	1	9	10	Pupal	0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	1.0	0.0
24477	CG6490	CG6490	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
24481	CG13827	CG13827	5	5	10	Not Lethal	0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24482	CG11781	CG11781	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24494	CG15277	CG15277	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	5.0	0.0	0.0
24498	CG13158	Or49a	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	0.0
24503	CG5482	CG5482	0	0	0	Before Pupal	1											
24505	CG8625	Iswi	2	6	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
24521	CG12373	mRpL18	3	6	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
24530	CG12437	raw	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
24532	CG12437	raw	2	7	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
24533	CG1244	CG1244	0	5	5	Pupal	0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
24534	CG1244	CG1244	0	3	3	Pupal	0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
24539	CG12449		0	0	0	Before Pupal	1											
24550	CG12499	CG12499	3	7	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	5.0	0.0	0.0	2.0	0.0	0.0
24551	CG12499	CG12499	3	2	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
24552	CG1250	sec23	0	0	0	Before Pupal	1											
24564	CG12640	CG12640	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
24565	CG12640	CG12640	1	4	5	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	8.0	0.0	0.0	3.0	0.0	0.0
24566	CG12645	CG12645	0	0	0	Before Pupal	1											
24573	CG12660	CG12660	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
24574	CG12660	CG12660	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0
24602	CG12737	Crag	3	6	9	Pupal	0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	8.0	0.0	0.0
24604	CG12737	Crag	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	4.0
24608	CG12768	CG12768	0	0	0	Pupal	1											
24609	CG12768	CG12768	0	0	0	Pupal	1											
24627	CG15027	CG15027	0	0	0	Pupal	1											
24632	CG12996	CG12996	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
24649	CG10491	vn	0	0	0	Pupal	1											
24667	CG4792	Dcr-1	1	5	6	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	3.0
24667	CG4792	Dcr-1	7	3	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
24674	CG4933	CG4933	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	2.0	0.0	0.0
24675	CG4933	CG4933	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
24679	CG4937	RhoGAP15B	4	3	7	Adult	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24681	CG4943	lack	1	9	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	1.0	0.0	0.0	0.0
24696	CG5728	CG5728	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	6.0	0.0	0.0
24697	CG5728	CG5728	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	7.0	0.0	0.0
24703	CG6546	Bap55	0	0	0	Before Pupal	1											
24704	CG6546	Bap55	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
24705	CG7570	hale	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
24709	CG3295	CG3295	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
24714	CG5548	CG5548	1	3	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	2.0	0.0	0.0
24715	CG5548	CG5548	0	0	0	Pupal	1											
24725	CG3225	CG3225	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
24726	CG3225	CG3225	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
24728	CG32319	CG32319	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	6.0	0.0	0.0
24732	CG32350	CG32350	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
24740	CG32346	E(bx)	1	2	3	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
24749	CG3329	Prosbeta2	0	0	0	Before Pupal	1											
24759	CG3469	betaggt-I	0	0	0	Pupal	1											
24762	CG3527	CG3527	1	9	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	7.0	0.0	0.0
24783	CG8308	alphaTub67C	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
24789	CG9012	Chc	0	0	0	Before Pupal	1											
24791	CG13807	CG13807	0	5	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
24797	CG1381	CG1381	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
24798	CG1381	CG1381	4	0	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	7.0	0.0	0.0
24801	CG32133	CG32133	0	0	0	Pupal	1											
24801	CG32133	CG32133	1	4	5	Pupal	0	2.0	0.0	0.0	0.0	3.0	3.0	0.0	0.0	7.0	0.0	0.0
24802	CG32133	CG32133	0	0	0	Pupal	1											
24802	CG32133	CG32133	0	0	0	Pupal	1											
24804	CG13845	CG13845	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
24805	CG13845	CG13845	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
24806	CG13867	MED8	4	3	7	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
24807	CG13867	MED8	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0
24809	CG13880	mRpL17	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
24810	CG13880	mRpL17	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
24815	CG13924	CG13924	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
24822	CG33316	CG33316	2	8	10	Pupal	0	0.0	0.0	0.0	0.0	6.0	2.0	0.0	0.0	4.0	0.0	0.0
24833	CG14030	CG14030	0	0	0	Pupal	1											
24835	CG1404	ran	0	0	0	Before Pupal	1											
24840	CG14066	larp	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	5.0	0.0	0.0	0.0	0.0	0.0
24866	CG14519	CG14519	0	0	0	Pupal	1											
24867	CG14534	CG14534	5	5	10	Adult	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24869	CG14542	CG14542	0	0	0	Before Pupal	1											
24885	CG14622	DAAM	10	0	10	Not Lethal	0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24918	CG14749	CG14749	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
24921	CG1475	RpL13A	0	0	0	Before Pupal	1											
24923	CG14759	CG14759	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24936	CG1489	Pros45	0	0	0	Pupal	1											
24937	CG1489	Pros45	0	0	0	Before Pupal	1											
24944	CG33545	nab	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0
24958	CG2835	G-salpha60A	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
24959	CG2835	G-salpha60A	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
24964	CG15261	CG15261	3	4	7	Adult	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
24968	CG1740	Ntf-2	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
24969	CG17724	CG17724	0	0	0	Before Pupal	1											
24971	CG17724	CG17724	0	0	0	Pupal	1											
24977	CG1821	RpL31	0	0	0	Pupal	1											
24980	CG1983	CG1983	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
24985	CG2246	CG2246	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	5.0	3.0	0.0	0.0	5.0	0.0	0.0
24987	CG2246	CG2246	0	0	0	Pupal	1											
24996	CG33108	CG33108	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
24998	CG5973	CG5973	0	0	0	Pupal	1											
25014	CG3029	or	2	4	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
25020	CG3083	Prx6005	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
25023	CG31057	tau	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	3.0	0.0	1.0	0.0
25025	CG31069	spn-D	0	0	0	Before Pupal	1											
25034	CG8176	CG8176	10	0	10	Not Lethal	0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25041	CG31191	CG31191	9	1	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	0.0
25045	CG31363	Jupiter	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	2.0	0.0	0.0
25046	CG3140	Adk2	0	0	0	Pupal	1											
25072	CG15524	CG15524	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25073	CG15524	CG15524	10	0	10	Pupal	0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25074	CG33456	CG33456	0	0	0	Pupal	1											
25093	CG7138	r2d2	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	3.0	0.0	0.0
25095	CG15240	CG15240	4	2	6	Not Lethal	0	5.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
25096	CG15240	CG15240	2	4	6	Not Lethal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25099	CG15251	CG15251	0	0	0	Before Pupal	1											
25101	CG1528	gammaCop	0	0	0	Pupal	1											
25115	CG15423	CG15423	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
25153	CG2227	Gip	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
25154	CG2260	CG2260	2	6	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
25155	CG2260	CG2260	1	3	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	6.0	0.0	0.0
25161	CG2807	CG2807	0	0	0	Before Pupal	1											
25162	CG2807	CG2807	0	0	0	Before Pupal	1											
25165	CG2922	exba	0	0	0	Pupal	1											
25176	CG31299	nocturnin	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25179	CG31852	Tap42	0	0	0	Pupal	1											
25191	CG15100	CG15100	0	0	0	Pupal	1											
25193	CG15100	CG15100	0	0	0	Before Pupal	1											
25196	CG15143	CG15143	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	6.0	3.0	0.0	0.0	0.0	0.0	0.0
25197	CG15159	CG15159	0	7	7	Pupal	0	4.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
25199	CG1523	CG1523	1	9	10	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25204	CG1673	CG1673	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
25228	CG14755	CG14755	0	0	0	Before Pupal	1											
25232	CG17233	CG17233	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0
25238	CG17258	CG17258	10	0	10	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25243	CG17266	CG17266	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
25246	CG17293	CG17293	5	4	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
25248	CG17293	CG17293	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
25251	CG17295	CG17295	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	5.0	0.0	1.0	0.0
25290	CG18005	CG18005	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0
25297	CG18155	CG18155	0	2	2	Adult	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25307	CG18257		2	7	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
25308	CG18257		1	8	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
25312	CG18316	CG18316	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
25313	CG18316	CG18316	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
25317	CG32505	Pp4-19C	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
25332	CG18375	CG18375	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25333	CG12052	lola	4	1	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
25335	CG12052	lola	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
25358	CG18539	CG18539	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25363	CG16902	Hr4	0	0	0	Before Pupal	1											
25366	CG33274	CG33274	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
25410	CG2241	CG2241	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0
25412	CG2241	CG2241	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
25423	CG2656	CG2656	6	2	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
25424	CG2669	CG2669	0	2	2	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25426	CG2677	eIF2B-beta	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
25427	CG2677	eIF2B-beta	0	0	0	Before Pupal	1											
25443	CG2827	Tal	0	7	7	Not Lethal	0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
25445	CG2890	PPP4R2r	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
25462	CG2957	mRpS9	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
25463	CG2957	mRpS9	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
25466	CG11624	Ubi-p63E	1	5	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
25467	CG11624	Ubi-p63E	0	0	0	Pupal	1											
25479	CG5986	CG5986	2	7	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	3.0	0.0	0.0
25497	CG6049	CG6049	2	0	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
25500	CG6051	CG6051	1	9	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	1.0	0.0
25503	CG6051	CG6051	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
25508	CG7597	CG7597	0	0	0	Pupal	1											
25510	CG7597	CG7597	0	0	0	Pupal	1											
25511	CG7611	CG7611	1	1	2	Not Lethal	0	0.0	6.0	0.0	0.0	0.0	1.0	0.0	3.0	0.0	0.0	0.0
25514	CG7615	fig	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25524	CG7706	CG7706	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0
25532	CG7718	CG7718	1	4	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25541	CG7752	Z4	4	0	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
25542	CG7752	Z4	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
25547	CG7757	CG7757	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
25548	CG7757	CG7757	0	0	0	Before Pupal	1											
25549	CG7762	Rpn1	0	0	0	Before Pupal	1											
25550	CG3000	rap	4	0	4	Pupal	0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25553	CG3000	rap	7	0	7	Pupal	0	0.0	0.0	0.0	1.0	0.0	6.0	0.0	0.0	0.0	0.0	3.0
25554	CG30004	CG30004	3	4	7	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	5.0	0.0	0.0
25558	CG30027	CG30027	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
25568	CG30077	CG30077	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0
25571	CG33147	CG33147	0	0	0	Before Pupal	1											
25572	CG33147	CG33147	0	0	0	Before Pupal	1											
25575	CG30143	CG30143	2	8	10	Not Lethal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
25576	CG30143	CG30143	4	0	4	Not Lethal	0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0
25580	CG30147	Hll	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
25587	CG30161	CG30161	0	0	0	Pupal	1											
25588	CG30161	CG30161	0	0	0	Pupal	1											
25592	CG30176	wlbg	0	0	0	Pupal	1											
25593	CG30176	wlbg	0	0	0	Before Pupal	1											
25597	CG3019	su(w[a])	1	6	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
25598	CG3019	su(w[a])	2	0	2	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
25612	CG30275	CG30275	1	4	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
25619	CG30417	CG30417	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
25620	CG32732	CG32732	0	7	7	Not Lethal	0	3.0	0.0	0.0	0.0	6.0	0.0	3.0	0.0	1.0	0.0	0.0
25640	CG31003	gskt	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	1.0	0.0	0.0
25666	CG31058	CG31058	2	7	9	Not Lethal	0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
25680	CG3108	CG3108	0	0	0	Pupal	1											
25681	CG31087	CG31087	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
25683	CG31087	CG31087	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
25707	CG31170	epsin-like	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
25709	CG31170	epsin-like	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
25723	CG31231	CG31231	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25733	CG31246	CG31246	0	1	1	Eclosion	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
25734	CG31246	CG31246	0	0	0	Before Pupal	1											
25739	CG31251	CG31251	7	3	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
25742	CG31320	CG31320	4	4	8	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
25747	CG10065		0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
25748	CG10065		1	0	1	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
25780	CG31608		1	8	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
25781	CG31608		4	6	10	Not Lethal	0	0.0	0.0	0.4	0.0	0.0	6.0	0.0	0.0	0.0	0.0	6.0
25782	CG31618	His2A:CG31618	0	0	0	Pupal	1											
25783	CG31618	His2A:CG31618	0	0	0	Pupal	1											
25787	CG33526	PNUTS	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25793	CG31671	tho2	5	4	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.0	0.0	0.0
25796	CG31673	CG31673	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0
25809	CG4970	CG4970	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25810	CG4970	CG4970	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
25813	CG31711	CG31711	0	0	0	Pupal	1											
25814	CG31711	CG31711	0	0	0	Pupal	1											
25817	CG3172	twf	4	6	10	Not Lethal	0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25823	CR33195		3	7	10	Not Lethal	0	5.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	1.0	4.0
25825	CG3173	CG3173	0	0	0	Pupal	1											
25828	CG31735	CG31735	2	3	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
25833	CG31756		2	0	2	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	10.0
25835	CG31756		10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	10.0
25880	CG3184	CG3184	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
25897	CG31865	CG31865	0	0	0	Pupal	1											
25898	CG31865	CG31865	0	0	0	Pupal	1											
25899	CG31865	CG31865	0	0	0	Pupal	1											
25908	CG31917	CG31917	1	4	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
25918	CG3193	crn	0	0	0	Before Pupal	1											
25919	CG3193	crn	0	0	0	Before Pupal	1											
25933	CR33195		10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	2.0	0.0	1.0	0.0
25958	CG3400	Pfrx	0	2	2	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	1.0	0.0
25959	CG3400	Pfrx	0	1	1	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
25960	CG3683	CG3683	9	1	10	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	4.0	0.0	0.0	1.0	0.0	0.0
25961	CG3683	CG3683	5	1	6	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
25968	CG4247	mRpS10	5	4	9	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
25981	CG5739	CG5739	0	0	0	Pupal	1											
25985	CG6213	Vha13	0	0	0	Pupal	1											
25986	CG6213	Vha13	0	0	0	Pupal	1											
25989	CG6259	CG6259	0	0	0	Pupal	1											
26001	CG6852	CG6852	0	1	1	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
26001	CG6852	CG6852	3	5	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
26003	CG6963	gish	2	2	4	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	2.0	0.0	0.0	0.0
26007	CG7039	CG7039	5	5	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	4.0	0.0	0.0	3.0	0.0	0.0
26011	CG7425	eff	0	0	0	Pupal	1											
26012	CG7425	eff	0	0	0	Pupal	1											
26022	CG8053	eIF-1A	0	0	0	Before Pupal	1											
26028	CG6489	Hsp70Bc	0	0	0	Before Pupal	1											
26030	CG6745	CG6745	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26038	CG8025	Mtr3	1	0	1	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	4.0	0.0	0.0
26042	CG32345	CG32345	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	1.0	0.0
26046	CG32406	CG32406	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
26054	CG3248	CG3248	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
26055	CG3248	CG3248	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
26059	CG3898	CG3898	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
26060	CG3898	CG3898	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
26065	CG3969	PR2	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
26066	CG3983	CG3983	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
26077	CG4599	Tpr2	8	2	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26085	CG7891	CG7891	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26096	CG6923	CG6923	2	1	3	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
26108	CG7838	Bub1	1	5	6	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26109	CG7838	Bub1	5	5	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
26132	CG32414	CG32414	0	10	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
26135	CG32436	CG32436	5	5	10	Not Lethal	0	0.0	1.0	0.1	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
26175	CG3363	CG3363	4	0	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	7.0	0.0	0.0
26176	CG3363	CG3363	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
26178	CG3368	CG3368	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26183	CG3416	Mov34	0	0	0	Before Pupal	1											
26191	CG3425	T3dh	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
26216	CG3530	CG3530	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
26217	CG3530	CG3530	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	6.0	0.0	0.0	0.0	0.0
26223	CG3539	Slh	0	0	0	Pupal	1											
26227	CG3542	CG3542	2	7	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	8.0	0.0	0.0
26231	CG3548	CG3548	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
26232	CG3548	CG3548	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
26235	CG3563	CG3563	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
26242	CG3584	qkr58E-3	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
26246	CG3594	Eap	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
26248	CG3594	Eap	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
26250	CG3605	CG3605	0	0	0	Pupal	1											
26252	CG3605	CG3605	0	0	0	Before Pupal	1											
26254	CG3632	CG3632	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	2.0	0.0	0.0
26259	CG3642	Clp	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
26261	CG3642	Clp	1	5	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0
26265	CG17556	CG17556	0	0	0	Pupal	1											
26267	CG17556	CG17556	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0
26269	CG3688	l(2)35Bd	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
26275	CG3714	CG3714	0	9	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26277	CG3733	Chd1	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
26278	CG3735	CG3735	3	2	5	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
26279	CG3735	CG3735	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
26281	CG3773	CG3773	0	0	0	Before Pupal	1											
26309	CG3931	Rrp4	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26310	CG3931	Rrp4	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
26315	CG30180		10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	3.0
26316	CG30180		4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
26319	CG31450	mRpS18A	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
26320	CG31450	mRpS18A	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
26326	CG32428	CG32428	0	0	0	Before Pupal	1											
26332	CG3613	qkr58E-1	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
26333	CG3613	qkr58E-1	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
26336	CG3805		8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	3.0	0.0	0.0
26349	CG3991	TppII	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	3.0
26352	CG3999	CG3999	2	0	2	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26359	CG4022	CG4022	4	5	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	3.0	0.0	2.0	0.0	0.0
26360	CG4022	CG4022	2	7	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	3.0	0.0	1.0	0.0	0.0
26367	CG4030	CG4030	9	1	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	7.0	0.0	3.0	0.0	0.0
26368	CG4030	CG4030	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
26376	CG4042	CG4042	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
26377	CG4042	CG4042	4	6	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26380	CG4060	CG4060	0	0	0	Pupal	1											
26381	CG4060	CG4060	0	0	0	Pupal	1											
26387	CG4071	Vps20	0	0	0	Pupal	1											
26388	CG4071	Vps20	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
26389	CG4103	CG4103	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	2.2	0.0	0.0
26390	CG4103	CG4103	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	6.0	0.0	0.0
26396	CG4140	CG4140	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0
26401	CG4161	CG4161	2	0	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26404	CG4169	CG4169	3	2	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	4.0	0.0	0.0
26405	CG4169	CG4169	0	2	2	Pupal	0	0.0	1.0	0.0	0.0	0.0	2.0	0.0	0.0	7.0	0.0	0.0
26412	CG4173	1/9/2002	10	0	10	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
26413	CG4173	1/9/2002	1	7	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	6.0	0.0	0.0
26421	CG4198	CG4198	0	0	0	Before Pupal	1											
26431	CG4202	Sas10	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
26432	CG4202	Sas10	0	0	0	Pupal	1											
26438	CG4207	bonsai	0	0	0	Pupal	1											
26439	CG4207	bonsai	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	1.0	0.0	0.0
26455	CG4236	Caf1	0	0	0	Pupal	1											

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
26456	CG4236	Caf1	1	2	3	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	5.0	5.0	0.0	0.0
26459	CG4237	Gap69C	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
26460	CG4237	Gap69C	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	3.0	0.0	1.0	0.0
26465	CG4264	Hsc70-4	4	2	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
26472	CG4266	CG4266	5	5	10	Not Lethal	0	2.0	1.0	0.0	0.0	6.0	0.0	0.0	0.0	2.0	1.0	0.0
26475	CG4266	CG4266	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
26480	CG4276	aru	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
26490	CG4285	CG4285	0	10	10	Pupal	0	5.0	0.0	0.0	0.0	8.0	5.0	0.0	0.0	0.0	0.0	0.0
26491	CG4285	CG4285	1	3	4	Pupal	0	4.0	0.0	0.0	0.0	8.0	3.0	0.0	0.0	0.0	0.0	0.0
26504	CG4311	Hmgs	0	0	0	Pupal	1											
26505	CG4311	Hmgs	4	2	6	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	8.0	0.0	0.0
26524	CG4364	CG4364	0	4	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
26531	CG4404	CG4404	0	0	0	Pupal	1											
26532	CG4404	CG4404	0	10	10	Pupal	0	2.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
26537	CG4422	Gdi	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
26544	CG4510	Surf6	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	3.0	0.0	0.0
26545	CG4510	Surf6	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	2.0	0.0	0.0
26548	CG4560	Arpc3A	6	4	10	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26549	CG4560	Arpc3A	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
26553	CG4563	CG4563	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26568	CG4617	CG4617	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	2.0	0.0	0.0
26577	CG4643	CG4643	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
26578	CG4643	CG4643	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
26585	CG4649	Sodh-2	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26586	CG4655	CG4655	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	4.0	0.0	0.0
26614	CG32574	CG32574	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	2.0	3.0	0.0	0.0	3.0	0.0	0.0
26632	CG4800	Tctp	0	7	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
26633	CG4806	CG4806	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	3.0	0.0	0.0
26635	CG4806	CG4806	2	7	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
26651	CG4878	eIF3-S9	0	0	0	Before Pupal	1											
26653	CG4904	Pros35	0	0	0	Pupal	1											
26658	CG4912	eEF1delta	0	0	0	Pupal	1											
26664	CG4954	eIF3-S8	0	0	0	Before Pupal	1											
26667	CG4954	eIF3-S8	0	0	0	Before Pupal	1											
26673	CG4975	CG4975	4	4	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
26675	CG4980	CG4980	6	2	8	Not Lethal	0	0.0	0.0	0.0	0.0	5.0	4.0	0.0	0.0	5.0	0.0	0.0
26676	CG4980	CG4980	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	5.0	0.0	0.0
26679	CG5003	CG5003	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
26680	CG5003	CG5003	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
26684	CG5012	mRpL12	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
26708	CG6661	CG6661	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
26721	CG33529	Rapgap1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	5.0	0.0	0.0
26737	CG7298	CG7298	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26759	CG10726	barr	0	0	0	Pupal	1											
26760	CG10726	barr	0	0	0	Pupal	1											
26782	CG10734	CG10734	1	9	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
26830	CG15929	lin-52	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
26832	CG1707	CG1707	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	1.0	0.0	0.0
26841	CG15494	CG15494	0	0	0	Before Pupal	1											
26842	CG15494	CG15494	0	0	0	Before Pupal	1											
26848	CG14235	CG14235	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0
26850	CG31749	CG31749	0	0	0	Before Pupal	1											
26856	CG31840	CG31840	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0
26860	CG32027	CG32027	0	0	0	Pupal	1											
26871	CG3450	ubl	2	0	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
26880	CG7656	CG7656	3	6	9	Not Lethal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
26881	CG7656	CG7656	1	3	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
26885	CG7664	crp	2	2	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
26886	CG7664	crp	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	6.0	0.0	0.0
26890	CG7771	sim	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
26894	CG14817	CG14817	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
26914	CG8914	CkIIbeta2	8	2	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26916	CG8963	CG8963	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	4.0	0.0	0.0	0.0
26917	CG8963	CG8963	1	8	9	Pupal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	3.0	0.0	0.0	5.0
26928	CG9738	Mkk4	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	2.0	0.0	0.0
26929	CG9738	Mkk4	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
26935	CG8184	CG8184	0	3	3	Pupal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
26946	CG8205	fus	3	0	3	Pupal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	5.0	0.0	0.0
26952	CG8243	CG8243	0	0	0	Before Pupal	1											
26953	CG8243	CG8243	0	0	0	Pupal	1											
26959	CG8431	Aats-cys	0	0	0	Pupal	1											
26970	CG15357	CG15357	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
26976	CG33232	CG33232	0	0	0	Pupal	1											
26978	CG33232	CG33232	0	0	0	Pupal	1											
26989	CG8587	Cyp301a1	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
27001	CG4013	Smr	0	0	0	Pupal	1											
27002	CG9100	Rab30	1	0	1	Adult	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
27006	CG9144	CG9144	0	8	8	Not Lethal	0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0
27007	CG9144	CG9144	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
27013	CG9346	CG9346	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
27015	CG9491	Gef26	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0
27017	CG9491	Gef26	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
27026	CG9596	CG9596	5	5	10	Not Lethal	0	0.0	9.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
27032	CG9677	Int6	0	0	0	Pupal	1											
27035	CG32676	CG32676	0	3	3	Not Lethal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
27036	CG32676	CG32676	0	0	0	Pupal	1											
27041	CG31617	His1:CG31617	1	9	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
27044	CG12676	ed	0	0	0	Before Pupal	1											
27045	CG15427	tutl	1	2	3	Not Lethal	0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0
27046	CG15427	tutl	0	0	0	Pupal	1											
27056	CG17559	dnt	4	6	10	Pupal	0	2.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
27063	CG4977	kek2	0	0	0	Pupal	1											
27064	CG4977	kek2	0	0	0	Pupal	1											
27081	CG3722	shg	0	0	0	Pupal	1											
27082	CG3722	shg	0	0	0	Pupal	1											
27090	CG10975	Ptp69D	2	8	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27095	CG8742	Gyc76C	1	9	10	Not Lethal	0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27103	CG7250	Toll-6	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
27117	CG7166	CG7166	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
27125	CG12607	CG12607	2	4	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0
27133	CG4013	Smr	0	0	0	Before Pupal	1											
27147	CG10268	CG10268	0	6	6	Pupal	0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27152	CG10315	eIF2B-delta	0	0	0	Pupal	1											
27154	CG10315	eIF2B-delta	0	0	0	Pupal	1											
27172	CG6127	Ser	6	2	8	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
27174	CG6127	Ser	0	3	3	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	6.0	0.0	0.0	0.0	0.0	0.0
27180	CG7223	htl	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
27187	CG3619	Dl	10	0	10	Not Lethal	0	1.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27193	CG31140	CG31140	0	0	0	Pupal	1											
27194	CG31140	CG31140	1	0	1	Before Pupal	0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27201	CG1634	Nrg	1	5	6	Not Lethal	0	0.0	3.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27202	CG1634	Nrg	0	6	6	Pupal	0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27207	CG2005		5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
27223	CG4125	rst	8	2	10	Not Lethal	0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
27228	CG3936	N	0	1	1	Pupal	0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
27229	CG3936	N	7	3	10	Not Lethal	0	0.1	10.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
27252	CG16993	in	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0
27254	CG10354	CG10354	3	0	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
27272	CG10512	CG10512	2	4	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	2.0	0.0	2.0
27277	CG10560	CG10560	0	0	0	Before Pupal	1											
27285	CG1057	MED31	0	0	0	Pupal	1											
27290	CG10618	CHKov1	0	10	10	Not Lethal	0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0
27295	CG1065	Scsalpha	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
27298	CG1065	Scsalpha	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	2.0
27317	CG1078	CG1078	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
27327	CG1088	Vha26	0	0	0	Pupal	1											
27334	CG10903	CG10903	1	9	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	7.0	0.0	0.0
27335	CG1093	plx	0	0	0	Pupal	1											
27341	CG10955	CG10955	3	3	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
27342	CG10964	sni	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
27347	CG1098	Madm	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0
27351	CG5064	Srp68	0	0	0	Before Pupal	1											
27356	CG5098	CG5098	0	0	0	Before Pupal	1											
27369	CG5198	CG5198	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
27370	CG5198	CG5198	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	2.0	0.0	0.0	0.0	0.0
27376	CG5208	CG5208	1	0	1	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
27380	CG5222	CG5222	0	10	10	Pupal	0	0.0	2.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
27392	CG5330	Nap1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	6.0	0.0	0.0
27393	CG5330	Nap1	8	2	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
27396	CG5357	CG5357	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
27398	CG5362	CG5362	1	3	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
27399	CG5362	CG5362	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	5.8
27405	CG5384	CG5384	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
27413	CG5412	CG5412	0	1	1	Eclosion	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
27424	CG5462	scrib	2	0	2	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
27428	CG5466	CG5466	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
27430	CG5467	CG5467	0	1	1	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
27430	CG5467	CG5467	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	3.0	0.0	0.0
27434	CG5491	CG5491	0	0	0	Pupal	1											
27435	CG5495	Txl	0	3	3	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
27436	CG5495	Txl	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
27445	CG5514	CG5514	0	8	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0
27453	CG5543	CG5543	0	0	0	Pupal	1											
27454	CG5543	CG5543	0	0	0	Pupal	1											
27457	CG5546	MED19	0	0	0	Pupal	1											
27461	CG5561	CG5561	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
27465	CG5595	Sce	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0
27467	CG5604	CG5604	0	2	2	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
27486	CG5692	raps	8	2	10	Not Lethal	0	0.0	6.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27490	CG5729	Dgp-1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0
27495	CG5733	CG5733	0	0	0	Pupal	1											
27503	CG5753	stau	0	0	0	Pupal	1											
27507	CG5776	CG5776	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	3.0	0.0	0.0
27515	CG5788	UbcD10	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27517	CG5794	CG5794	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
27519	CG5800	CG5800	0	0	0	Pupal	1											
27525	CG5841	mib1	1	8	9	Not Lethal	0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27526	CG5841	mib1	10	0	10	Not Lethal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27528	CG5844	CG5844	0	0	0	Pupal	1											
27529	CG5844	CG5844	0	0	0	Pupal	1											
27532	CG5882	CG5882	3	7	10	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27542	CG6058	Ald	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
27545	CG6064	TORC	0	0	0	Pupal	1											
27551	CG6084	CG6084	0	10	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	0.0
27552	CG6084	CG6084	0	7	7	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	3.0	0.0	0.0	1.7	0.0	0.0
27558	CG6091	CG6091	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
27559	CG6091	CG6091	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
27564	CG6094	CG6094	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	3.0	0.0	0.0
27566	CG6098	Lrr47	6	4	10	Not Lethal	0	0.0	9.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0
27567	CG6098	Lrr47	10	0	10	Not Lethal	0	0.0	9.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
27569	CG6240	CG6240	8	2	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
27576	CG11659	CG11659	0	0	0	Pupal	1											
27577	CG6315	fl(2)d	3	4	7	Not Lethal	0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	1.0
27578	CG6315	fl(2)d	5	2	7	Pupal	0	2.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
27591	CG33981	CG33981	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	8.0	0.0	0.0
27600	CG6375	plt	0	0	0	Pupal	1											
27601	CG6385	CG6385	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
27607	CG4364	CG4364	0	0	0	Pupal	1											
27609	CG4878	eIF3-S9	0	0	0	Before Pupal	1											
27625	CG6444	CG6444	1	0	1	Pupal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
27626	CG6444	CG6444	0	2	2	Not Lethal	0	4.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
27633	CG6470	CG6470	0	0	0	Pupal	1											
27645	CG6502	E(z)	0	6	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
27654	CG33130	l(2)k07433	3	1	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
27673	CG6593	Pp1alpha-96A	0	0	0	Before Pupal	1											
27680	CG6603	Hsc70Cb	0	4	4	Pupal	0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0	6.0	0.0	0.0
27681	CG6603	Hsc70Cb	6	4	10	Not Lethal	0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27683	CG6605	BicD	4	6	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
27684	CG6605	BicD	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	2.0
27687	CG6607	CG6607	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	4.0	0.0	0.0	0.0
27688	CG6607	CG6607	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	3.0
27691	CG33522	scaf6	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0
27692	CG33522	scaf6	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	0.0	0.0	0.0
27710	CG6689	CG6689	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27722	CG6713	Nos	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
27725	CG6713	Nos	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
27726	CG6719	CG6719	1	9	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
27730	CG6724	CG6724	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	2.0	0.0	0.0
27731	CG6724	CG6724	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
27738	CG6742	cenB1A	3	3	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	4.0	0.0	0.0
27747	CG6789	CG6789	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	0.0	4.0	0.0	3.0
27748	CG6791	CG6791	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27749	CG4013	Smr	0	0	0	Before Pupal	1											
27750	CG4013	Smr	0	0	0	Before Pupal	1											
27752	CG6946	glo	3	3	6	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
27759	CG6954	CG6954	4	4	8	Not Lethal	0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27775	CG6987	SF2	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0
27776	CG6987	SF2	0	0	0	Pupal	1											
27785	CG7004	fwd	0	0	0	Pupal	1											
27792	CG7014	RpS5b	0	1	1	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
27793	CG7014	RpS5b	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27807	CG7028	CG7028	0	0	0	Pupal	1											
27808	CG7028	CG7028	0	0	0	Pupal	1											
27820	CG7057	AP-50	0	0	0	Pupal	1											
27821	CG7057	AP-50	0	0	0	Pupal	1											
27837	CG7092	Dhc16F	1	5	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
27847	CG7099	CG7099	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
27859	CG7111	Rack1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
27860	CG7120	CG7120	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
27863	CG7120	CG7120	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
27868	CG7128	Taf8	4	5	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
27870	CG7128	Taf8	0	0	0	Pupal	1											
27880	CG4013	Smr	0	0	0	Pupal	1											
27881	CG4013	Smr	0	0	0	Pupal	1											
27884	CG7137	CG7137	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	4.0	0.0	0.0
27898	CG7172	CG7172	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
27899	CG7175	CG7175	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
27900	CG7175	CG7175	3	5	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
27923	CG7242	CG7242	0	2	2	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.0	0.0	0.0
27931	CG7261	CG7261	0	5	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
27936	CG7281	CycC	0	0	0	Before Pupal	1											
27937	CG7281	CycC	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
27941	CG7282	CG7282	4	2	6	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
27943	CG7293	Klp68D	0	0	0	Pupal	1											
27944	CG7293	Klp68D	1	2	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	7.0	0.0	0.0
27965	CG7338	CG7338	0	0	0	Pupal	1											
27971	CG7357	CG7357	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	8.0	0.0	0.0
27978	CG7368	CG7368	1	9	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0
27985	CG7371	CG7371	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	5.0	0.0	0.0	0.0	0.0
27988	CG7379	CG7379	1	9	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	2.0
27989	CG7379	CG7379	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
27993	CG7387	CG7387	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27995	CG7421	Nopp140	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
28001	CG7423	CG7423	0	0	0	Pupal	1											
28003	CG7423	CG7423	0	0	0	Pupal	1											
28019	CG7436	Nmt	0	0	0	Pupal	1											
28021	CG7436	Nmt	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
28023	CG7437	mub	0	0	0	Pupal	1											
28027	CG7441	CG7441	1	2	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
28042	CG7494	mRpL1	8	2	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	8.0	0.0	2.0	0.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
28043	CG7494	mRpL1	4	5	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	2.0	0.0	0.0
28053	CG7507	Dhc64C	0	0	0	Pupal	1											
28054	CG7507	Dhc64C	0	0	0	Before Pupal	1											
28057	CG7516	CG7516	2	2	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
28058	CG7516	CG7516	0	0	0	Pupal	1											
28065	CG7788	Ice	3	4	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28070	CG7958	tna	2	3	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
28071	CG7958	tna	3	5	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
28079	CG12264	CG12264	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	1.0	0.0	0.0
28092	CG8287	Rab8	0	0	0	Before Pupal	1											
28105	CG4875	CG4875	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
28117	CG9218	sm	1	0	1	Pupal	0	0.0	4.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
28129	CG9375	Ras85D	0	0	0	Pupal	1											
28130	CG9378	Rlc1	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	10.0	8.0	0.0	0.0	0.0	0.0	0.0
28132	CG9401	mago	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	9.0	0.0	9.0
28140	CG9805	eIF3-S10	0	0	0	Before Pupal	1											
28141	CG9881	p16-ARC	0	0	0	Pupal	1											
28143	CG9881	p16-ARC	0	0	0	Pupal	1											
28153	CG10209	CG10209	0	0	0	Pupal	1											
28159	CG15357	CG15357	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
28172	CG7989	l(2)k07824	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
28173	CG7989	l(2)k07824	0	1	1	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
28176	CG8032	CG8032	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28179	CG8038	CG8038	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0
28181	CG8043	CG8043	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28182	CG8064	CG8064	2	3	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	4.0	0.0	0.0
28183	CG8064	CG8064	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
28194	CG8085	RN-tre	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	2.0	0.0	0.0	0.0
28196	CG8092	CG8092	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	1.0
28215	CG6754	nbs	0	10	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28216	CG6754	nbs	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	2.0	0.0	0.0
28239	CG8338	mRpS16	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
28240	CG8338	mRpS16	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
28243	CG8472	Cam	0	3	3	Not Lethal	0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28246	CG8765	CG8765	4	2	6	Not Lethal	0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28247	CG8765	CG8765	0	3	3	Pupal	0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28257	CG11527	Tig	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28259	CG11897	CG11897	7	3	10	Not Lethal	0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28264	CG14802	MED18	2	8	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	3.0	0.0	0.0
28265	CG14802	MED18	3	6	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	2.0	0.0	0.0
28280	CG3258	ase	3	7	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28282	CG5190	CG5190	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	3.0	0.0	0.0
28294	CG1084	Cont	2	4	6	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
28297	CG10953	CG10953	5	4	9	Not Lethal	0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
28298	CG10953	CG10953	1	9	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	3.0	0.0	0.0
28302	CG10997	Clic	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
28305	CG1105	CG1105	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
28308	CG1105	CG1105	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	0.0	0.0	0.0
28317	CG11990	hyx	0	0	0	Before Pupal	1											
28318	CG11990	hyx	0	0	0	Before Pupal	1											
28322	CG13829	CG13829	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	0.0	0.0	0.0
28341	CG1903	sno	0	0	0	Before Pupal	1											
28343	CG1960	mu2	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	8.0	0.0	0.0	0.0	0.0	0.0
28346	CG1964	Kul	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
28347	CG1964	Kul	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
28359	CG3690	CG3690	1	6	7	Not Lethal	0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
28368	CG4145	Cg25C	0	0	0	Pupal	1											
28377	CG4677	Imd	4	4	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
28378	CG4678	CG4678	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
28386	CG4881	salr	4	1	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
28387	CG4881	salr	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
28391	CG5397	CG5397	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
28396	CG5684	Pop2	0	0	0	Pupal	1											
28398	CG5714	ecd	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
28400	CG5813	chif	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
28401	CG5813	chif	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	6.0	0.0	0.0	2.0	0.0	0.0
28403	CG5919	CG5919	0	10	10	Not Lethal	0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28415	CG6604	H15	0	0	0	Pupal	1											
28416	CG6604	H15	0	0	0	Pupal	1											
28423	CG6687	CG6687	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
28425	CG6687	CG6687	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
28426	CG6696	CG6696	3	4	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	1.0	2.0
28430	CG6747	Ir	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
28431	CG6747	Ir	2	8	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
28444	CG10679	Nedd8	0	0	0	Pupal	1											
28445	CG10679	Nedd8	0	0	0	Pupal	1											
28449	CG11296		4	5	9	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	4.0	0.0	0.0
28463	CG13364	CG13364	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0
28464	CG13364	CG13364	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
28470	CG30092	Jbug	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	2.0	0.0	0.0
28471	CG30092	Jbug	0	7	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	2.0	0.0	0.0	0.0
28471	CG30092	Jbug	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0
28476	CG14113	CG14113	0	10	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
28488	CG14359	CG14359	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
28503	CG14581	CG14581	1	5	6	Adult	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
28505	CG14582		5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
28539	CG4013	Smr	0	0	0	Pupal	1											
28552	CG15292	CG15292	0	5	5	Pupal	0	0.0	8.0	0.0	0.0	9.0	1.0	0.0	0.0	0.0	0.0	0.0
28563	CG15715	CG15715	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
28564	CG15715	CG15715	4	6	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	6.0	0.0	0.0
28568	CG15758	CG15758	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28569	CG15758	CG15758	0	0	0	Pupal	1											
28570	CG33080	CG33080	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28588	CG31230	CG31230	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
28600	CG31477	CG31477	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	1.0	0.0	0.0
28601	CG31477	CG31477	1	8	9	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
28608	CG7187	Ssdp	0	0	0	Pupal	1											
28610	CG7187	Ssdp	0	0	0	Pupal	1											
28618	CG7490	RpLP0	0	0	0	Before Pupal	1											
28619	CG7490	RpLP0	0	0	0	Before Pupal	1											
28628	CG7826	mnb	10	0	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
28635	CG8420	CG8420	0	0	0	Before Pupal	1											
28649	CG5422	Rox8	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
28667	CG9559	fog	2	6	8	Not Lethal	0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.0
28691	CG5770	CG5770	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	2.0	0.0	0.0
28694	CG32542	CG32542	0	0	0	Before Pupal	1											
28695	CG32542	CG32542	0	0	0	Pupal	1											
28702	CG10233	CG10233	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	10.0
28726	CG5676	CG5676	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28727	CG7630	CG7630	4	2	6	Not Lethal	0	0.0	6.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
28728	CG7630	CG7630	5	5	10	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
28732	CG33197	mbl	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	2.0	0.0	0.0	0.0	0.0
28753	CG14795	CG14795	0	0	0	Pupal	1											
28757	CG17060	Rab10	3	1	4	Pupal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	6.0	0.0	0.0
28758	CG17060	Rab10	7	3	10	Pupal	0	2.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	4.0	0.0	0.0
28764	CG11217	CanB2	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
28776	CG31076	CG31076	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
28788	CG31658	CG31658	7	3	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	9.0
28794	CG6302	l(3)01239	1	6	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	10.0
28797	CG8937	Hsc70-1	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	4.0	0.0	0.0
28798	CG9924	CG9924	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	1.0	0.0	5.0	0.0	0.0	2.0
28800	CG9924	CG9924	0	10	10	Pupal	0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
28807	CG17343	CG17343	1	5	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
28809	CG17343	CG17343	2	0	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
28815	CG3193	crn	0	0	0	Pupal	1											
28816	CG3193	crn	0	0	0	Before Pupal	1											
28822	CG2986	oho23B	0	0	0	Before Pupal	1											
28823	CG2986	oho23B	0	0	0	Before Pupal	1											
28835	CG33967	CG33967	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28836	CG33967	CG33967	0	0	0	Pupal	1											

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
28839	CG7580	CG7580	0	0	0	Pupal	1											
28840	CG7580	CG7580	0	0	0	Pupal	1											
28844	CG8261	Ggamma1	1	3	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
28849	CG8495	RpS29	0	0	0	Pupal	1											
28850	CG8495	RpS29	0	0	0	Pupal	1											
28853	CG8788	CG8788	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
28858	CG8979	CG8979	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	10.0	2.0	0.0	0.0	6.0	0.0	0.0
28860	CG8979	CG8979	2	6	8	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	2.0	0.0	3.0	0.0	0.0
28864	CG8432	Rep	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28864	CG8432	Rep	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
28866	CG8432	Rep	0	0	0	Pupal	1											
28873	CG8843	sec5	0	0	0	Pupal	1											
28888	CG8276	bin3	10	0	10	Not Lethal	0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28889	CG8276	bin3	6	0	6	Not Lethal	0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
28895	CG8351	CG8351	0	0	0	Before Pupal	1											
28900	CG8435	CG8435	0	0	0	Before Pupal	1											
28901	CG8435	CG8435	0	0	0	Pupal	1											
28904	CG8445	CG8445	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	3.0
28906	CG8481	CG8481	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	5.0	5.0	0.0	0.0	1.6	0.0	0.0
28907	CG8489	CG8489	10	0	10	Not Lethal	0	2.0	0.0	0.0	1.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
28908	CG8489	CG8489	4	6	10	Not Lethal	0	3.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	2.0	0.0	0.0
28926	CG8556	Rac2	0	0	0	Pupal	1											
28937	CG8636	CG8636	0	0	0	Before Pupal	1											
28941	CG8725	CSN4	0	4	4	Pupal	0	1.0	0.0	2.0	0.0	0.0	1.0	0.0	0.0	7.0	0.0	0.0
28942	CG8725	CSN4	0	5	5	Pupal	0	1.0	0.0	2.0	0.0	0.0	1.0	0.0	0.0	4.0	0.0	0.0
28950	CG8782	Oat	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
28952	CG8782	Oat	0	0	0	Pupal	1											
28960	CG8830	CG8830	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28963	CG8838	CG8838	0	0	0	Pupal	1											
28970	CG8878	CG8878	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	5.0	3.0	0.0	0.0
28971	CG8878	CG8878	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
28974	CG8881	skpB	2	8	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	5.0	0.0	2.0	0.0	0.0
28975	CG8881	skpB	3	4	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
28976	CG8882	Trip1	0	0	0	Before Pupal	1											
28977	CG8882	Trip1	0	0	0	Pupal	1											
28982	CG8887	ash1	1	9	10	Pupal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
28985	CG8892	CG8892	4	5	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0
28987	CG8907	CG8907	0	0	0	Pupal	1											
28989	CG8912	Psi	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
28996	CG32562	xmas-2	0	3	3	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
29000	CG8936	Arpc3B	3	5	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
29011	CG9038	UBL3	0	0	0	Pupal	1											
29012	CG9038	UBL3	0	0	0	Before Pupal	1											
29021	CG9056	CG9056	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0
29042	CG10209	CG10209	0	0	0	Before Pupal	1											
29050	CG9147	CG9147	5	5	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
29057	CG9156	Pp1-13C	0	0	0	Pupal	1											
29058	CG9156	Pp1-13C	0	0	0	Before Pupal	1											
29070	CG9177	eIF5	0	0	0	Before Pupal	1											
29071	CG9177	eIF5	0	0	0	Pupal	1											
29072	CG9198	shtd	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	8.0	0.0	0.0
29084	CG9220	CG9220	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
29096	CG9296	CG9296	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
29113	CG9412	rin	0	0	0	Pupal	1											
29144	CG10095	dpr15	1	2	3	Adult	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29145	CG10095	dpr15	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
29155	CG31999	CG31999	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
29158	CG15445	CG15445	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
29182	CG12019	Cdc37	0	0	0	Pupal	1											
29192	CG30470	CG30470	0	0	0	Pupal	1											
29193	CG30470	CG30470	2	4	6	Pupal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
29220	CG17376	CG17376	2	4	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
29236	CG15434	CG15434	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.0	0.0	0.0	0.0
29239	CR31696	pncr003:2L	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0
29253	CG13628	Rpb10	0	0	0	Pupal	1											
29264	CG18178	CG18178	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
29267	CG9776	CG9776	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0
29275	CG9779	CG9779	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
29280	CG9799	CG9799	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
29290	CG9834	endoB	0	0	0	Pupal	1											
29291	CG9834	endoB	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
29295	CG9836	CG9836	0	0	0	Pupal	1											
29302	CG9862	Rae1	4	5	9	Not Lethal	0	0.0	6.0	0.0	0.0	0.0	3.0	0.0	3.0	0.0	0.0	0.0
29303	CG9862	Rae1	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
29326	CG9920	CG9920	1	9	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0
29337	CG9938	CG9938	1	8	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	7.0	0.0	0.0
29345	CR31930	Gr22d	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
29355	CG3181	Ts	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
29359	CG31961	CG31961	6	4	10	Not Lethal	0	0.0	0.0	0.0	6.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
29360	CG31961	CG31961	1	3	4	Adult	0	0.0	0.0	0.0	4.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
29385	CG30404	Tango11	5	5	10	Not Lethal	0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
29406	CG30295	Ipk1	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29408	CG4581	Thiolase	3	4	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
29435	CG8605	CG8605	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0	0.0
29436	CG8605	CG8605	0	0	0	Before Pupal	1											
29445	CG5660	CG5660	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
29446	CG5660	CG5660	0	3	3	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
29459	CG7564	CG7564	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
29462	CG7564	CG7564	7	3	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29466	CG14564	CG14564	0	4	4	Pupal	0	3.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	0.0	0.0
29468	CG4433	CG4433	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	1.0	0.0	0.0	0.0
29473	CG8039	mRpL19	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	2.0	0.0	0.0	0.0	0.0
29474	CG8039	mRpL19	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
29481	CG2345	Edg84A	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
29484	CG12278	CG12278	0	0	0	Pupal	1											
29503	CG31241	CG31241	0	0	0	Pupal	1											
29505	CG31241	CG31241	1	4	5	Pupal	0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
29508	CG3739	CG3739	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	2.0	0.0	0.0
29512	CG7006	CG7006	0	0	0	Pupal	1											
29514	CG7006	CG7006	2	0	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
29518	CG17269	Fancd2	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
29523	CG9983	Hrb98DE	9	1	10	Not Lethal	0	5.0	0.0	0.0	0.0	0.0	5.0	5.0	0.0	5.0	0.0	0.0
29524	CG9983	Hrb98DE	3	7	10	Not Lethal	0	4.0	0.0	0.0	0.0	3.0	4.0	4.0	0.0	4.0	0.0	0.0
29541	CG10107	CG10107	0	0	0	Before Pupal	1											
29542	CG10107	CG10107	0	2	2	Pupal	0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29550	CG31439	CG31439	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	2.0
29552	CG31439	CG31439	1	0	1	Pupal	0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
29561	CG3224	CG3224	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
29562	CG3224	CG3224	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	1.0	0.0	0.0
29575	CG1957	CG1957	0	0	0	Pupal	1											
29589	CG3071	CG3071	0	0	0	Pupal	1											
29598	CG15784	CG15784	2	0	2	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
29599	CG15784	CG15784	0	0	0	Before Pupal	1											
29617	CG1677	CG1677	0	0	0	Pupal	1											
29619	CG1560	mys	0	0	0	Pupal	1											
29620	CG1560	mys	0	0	0	Before Pupal	1											
29638	CG32556	CG32556	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0
29645	CG32084		0	0	0	Before Pupal	1											
29645	CG32084		0	0	0	Before Pupal	1											
29646	CG32084		0	0	0	Before Pupal	1											
29646	CG32084		0	0	0	Before Pupal	1											
29655	CG12621	beat-IIIa	0	10	10	Not Lethal	0	0.0	0.7	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
29657	CG31989	Cap-D3	0	0	0	Pupal	1											
29674	CG3875	CG3875	6	4	10	Not Lethal	0	0.0	8.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29681	CG9632	CG9632	0	0	0	Pupal	1											
29686	CG5266	Pros25	0	0	0	Before Pupal	1											
29689	CG33110	CG33110	0	0	0	Pupal	1											
29703	CG11933		4	6	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29704	CG4013	Smr	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	2.0	0.0	0.0	0.0
29711	CG6115	CG6115	3	3	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
29715	CG10570	CG10570	7	3	10	Not Lethal	0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
29720	CG33531	Ddr	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
29741	CG33507	dpr2	0	0	0	Pupal	1											
29742	CG33507	dpr2	0	0	0	Pupal	1											
29749	CG10107	CG10107	0	0	0	Pupal	1											
29750	CG10107	CG10107	0	0	0	Pupal	1											
29760	CG9873	RpL37b	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
29775	CG9086	CG9086	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
29788	CG8104	nudE	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	4.0	0.0	1.0	2.0	0.0	0.0
29812	CG7048	CG7048	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
29830	CG4575	CG4575	2	6	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
29831	CG4575	CG4575	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
29838	CG9065	CG9065	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
29839	CG9065	CG9065	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0
29873	CG32626	CG32626	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29878	CG12688	CG12688	1	9	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0
29883	CG18624	CG18624	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
29884	CG18624	CG18624	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
29894	CG10491	vn	0	0	0	Pupal	1											
29895	CG10491	vn	0	0	0	Pupal	1											
29903	CG9952	ppa	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	7.0	0.0	0.0
29905	CG31738	CG31738	3	7	10	Pupal	0	0.0	0.0	0.0	1.0	5.0	0.0	0.0	0.0	3.0	0.0	7.0
29906	CG31738	CG31738	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0
29929	CR31863	bft	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
29931	CG8930	rk	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	2.0	0.0	0.0
29932	CG8930	rk	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
29943	CG9901	Arp14D	2	0	2	Pupal		0.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
29944	CG9901	Arp14D	0	0	0	Pupal	1											
29948	CG31867	CG31867	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	2.0	0.0	0.0
29962	CG9270	CG9270	3	3	6	Not Lethal	0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29968	CG8639	Cirl	1	9	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
29969	CG8639	Cirl	0	0	0	Before Pupal	1											
29988	CG7189	Gr66a	8	2	10	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29990	CG14955	CG14955	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	1.0	0.0
30002	CG3223	CG3223	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
30008	CG32132	CG32132	0	0	0	Pupal	1											
30009	CG32132	CG32132	0	0	0	Before Pupal	1											
30015	CG32176	CG32176	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	1.0	0.0	0.0	0.0
30030	CG9108	RSG7	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30032	CG9990	CG9990	0	0	0	Before Pupal	1											
30033	CG2759	w	2	6	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
30034	CG2759	w	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
30035	CG3201	Mlc-c	8	2	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30038	CG8721	Odc1	4	6	10	Not Lethal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30039	CG8721	Odc1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	5.0	0.0	0.0	0.0	0.0	0.0
30046	CG14135	CG14135	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
30058	CG13012	CG13012	4	6	10	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30066	CG8219	CG8219	0	0	0	Pupal	1											
30067	CG2507	sas	0	0	0	Before Pupal	1											
30068	CG2507	sas	0	0	0	Pupal	1											
30087	CG2937	mRpS2	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
30088	CG2937	mRpS2	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
30103	CG9811	Rgk1	0	0	0	Before Pupal	1											
30111	CG6095	CG6095	0	2	2	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
30112	CG6095	CG6095	3	2	5	Eclosion	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
30115	CG6104	m2	0	0	0	Pupal	1											
30136	CG6238	ssh	0	0	0	Pupal	1											
30140	CG6249	Csl4	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	5.0
30145	CG6304	CG6304	3	5	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30146	CG6304	CG6304	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	6.0	0.0	0.0
30158	CG10039	CG10039	7	3	10	Not Lethal	0	0.0	1.5	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0
30163	CG11928	CG11928	0	9	9	Not Lethal	0	0.0	1.4	0.0	0.0	0.0	0.0	3.0	0.0	1.1	0.0	0.0
30167	CG31822	CG31822	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
30170	CG9422	CG9422	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
30171	CG9422	CG9422	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
30193	CG15550	CG15550	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	2.3	0.0	0.0
30194	CG15550	CG15550	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	3.0	0.0	0.0
30203	CG2165	CG2165	5	5	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30226	CG10804	CG10804	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0
30248	CG15756	CG15756	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0
30251	CG15756	CG15756	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
30269	CG1688	CG1688	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30270	CG1688	CG1688	2	5	7	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
30273	CG6308	CG6308	1	0	1	Pupal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
30274	CG6308	CG6308	10	0	10	Not Lethal	0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30280	CG8322	ATPCL	7	3	10	Pupal	0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0
30282	CG8322	ATPCL	2	2	4	Not Lethal	0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
30294	CG7091	CG7091	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0
30297	CG18617	Vha100-2	0	0	0	Before Pupal	1											
30298	CG18617	Vha100-2	1	9	10	Not Lethal	0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0
30353	CG11589	VhaM9.7-1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
30379	CG6038	CG6038	10	0	10	Not Lethal	0	0.0	1.7	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
30382	CG7625	VhaM9.7-2	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
30384	CG7625	VhaM9.7-2	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
30389	CG17342	Lk6	0	4	4	Pupal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
30390	CG17342	Lk6	5	5	10	Not Lethal	0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
30393	CG7713	CG7713	0	0	0	Pupal	1											
30395	CG7713	CG7713	0	0	0	Before Pupal	1											
30404	CG5014	Vap-33-1	1	5	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
30405	CG5014	Vap-33-1	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
30413	CG3192	CG3192	10	0	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
30414	CG12541	CG12541	10	0	10	Not Lethal	0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30420	CG9034	CG9034	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
30430	CG15814	CG15814	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
30436	CG1845	CG1845	0	1	1	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	5.0
30437	CG1845	CG1845	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	1.0	0.0
30442	CG4079	Taf11	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
30448	CG5179	Cdk9	0	0	0	Before Pupal	1											
30449	CG5179	Cdk9	0	0	0	Before Pupal	1											
30454	CG3924	Chi	2	0	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
30460	CG8524	NK7.1	0	0	0	Pupal	1											
30462	CG6534	slou	0	0	0	Pupal	1											
30463	CG6534	slou	0	0	0	Pupal	1											
30506	CG4208	XRCC1	10	0	10	Not Lethal	0	0.0	7.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
30507	CG2990	CG2990	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
30508	CG2990	CG2990	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30512	CG17209	CG17209	3	1	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
30514	CG17209	CG17209	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
30517	CG4328	CG4328	1	3	4	Pupal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	3.0	0.0	0.0
30523	CG9305	CG9305	0	0	0	Pupal	1											
30534	CG11617	CG11617	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
30537	CG11641	pdm3	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	3.0	3.0	0.0	0.0
30538	CG11641	pdm3	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
30539	CG15455	CG15455	0	0	0	Before Pupal	1											
30545	CG31612	CG31612	10	0	10	Not Lethal	0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30551	CG5033	CG5033	1	1	2	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
30552	CG6892	Ets96B	0	0	0	Pupal	1											
30556	CG3143	foxo	0	0	0	Before Pupal	1											
30557	CG3143	foxo	0	0	0	Before Pupal	1											
30560	CG4694	her	0	0	0	Before Pupal	1											
30562	CG11194	Hey	0	0	0	Before Pupal	1											
30568	CG9999	RanGap	5	0	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
30570	CG9273	CG9273	2	1	3	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
30572	CG9273	CG9273	2	0	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
30573	CG9727	CG9727	0	0	0	Pupal	1											
30575	CG9727	CG9727	0	0	0	Before Pupal	1											
30591	CG2368	psq	0	0	0	Pupal	1											
30596	CG4216	term	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
30599	CG7471	Rpd3	0	2	2	Pupal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0
30600	CG7471	Rpd3	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
30618	CG9350	CG9350	10	0	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	2.0	0.0	0.0	5.0	0.0	0.0
30623	CG5553	DNAprim	0	0	0	Pupal	1											
30625	CG10223	Top2	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
30642	CG33169	CG33169	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
30643	CG33169	CG33169	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
30654	CG5326	CG5326	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30685	CG12066	Pka-C2	7	3	10	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
30698	CG10371	Plip	0	9	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	3.0	0.0	4.0	0.0	0.0
30707	CG1716	CG1716	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
30709	CG8068	Su(var)2-10	0	0	0	Pupal	1											
30710	CG8068	Su(var)2-10	0	0	0	Pupal	1											
30711	CG8591	CTCF	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	8.0
30713	CG8591	CTCF	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	8.0
30718	CG31661	CG31661	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
30719	CG17642	mRpL48	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
30720	CG17642	mRpL48	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
30729	CG15253	CG15253	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30730	CG9364	Treh	0	0	0	Pupal	1											
30731	CG9364	Treh	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	4.0	0.0	0.0	1.0	4.0
30734	CG5669	CG5669	0	9	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
30757	CG13396	fy	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	4.0	0.0	0.0	0.0	0.0
30760	CG13396	fy	4	1	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	4.0	0.0	0.0	0.0	0.0
30774	CG9334	Spn3	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.0
30833	CG8967	otk	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
30854	CG12115	CG12115	2	0	2	Adult	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
30856	CG12057	CG12057	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
30863	CG6407	Wnt5	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	3.0	0.0	1.0	0.0
30864	CG15457	Obp19c	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	3.0	0.0	0.0	5.0	0.0	0.0
30868	CG17148	Est-P	1	3	4	Adult	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30877	CG15116	CG15116	9	1	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
30879	CG15116	CG15116	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
30884	CG10374	Lsd-1	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
30892	CG11015	CG11015	1	2	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
30905	CG8196	Ance-4	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
30911	CG10491	vn	0	0	0	Before Pupal	1											
30912	CG10491	vn	0	0	0	Before Pupal	1											
30915	CG11811	CG11811	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
30923	CG5717	yellow-g	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	4.0	0.0	0.0
30924	CG5717	yellow-g	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
30928	CG15002	mas	0	0	0	Pupal	1											
30937	CG15023	CG15023	3	6	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.0	5.0	0.0	0.0
30938	CG15023	CG15023	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	5.0	0.0	0.0
30941	CG10591	CG10591	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30972	CG16705	CG16705	1	7	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	0.0
30979	CG3835	CG3835	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30980	CG14418	CG14418	0	1	1	Pupal	0	1.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
30981	CG10790	Pig1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
30991	CG11584	CG11584	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31044	CG5195	CG5195	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	0.0	0.0	0.0
31052	CG10523	park	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31066	CG12971	CG12971	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0
31073	CG7160	CG7160	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	3.0
31081	CG9630	CG9630	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
31082	CG9630	CG9630	0	0	0	Pupal	1											
31083	CG12045	CG12045	4	3	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	3.0
31084	CG12045	CG12045	6	2	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
31086	CG1327	Ccp84Ac	2	8	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
31087	CG1327	Ccp84Ac	8	2	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	3.0	0.0	0.0
31097	CG14877	CG14877	0	8	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31113	CG11263	CG11263	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31121	CG12065	CG12065	8	2	10	Not Lethal	0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31125	CG9791	CG9791	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	3.0	0.0	0.0
31131	CG32188	CG32188	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
31134	CG14265	CG14265	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	2.0	0.0	0.0
31139	CG3934	CG3934	1	5	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
31140	CG3934	CG3934	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
31149	CG14531	CG14531	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
31151	CG12622	Gr10b	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	1.0	0.0	0.0	0.0
31158	CG6720	UbcD2	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
31179	CG10119	LamC	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	2.0	0.0	0.0
31186	CG10153	CG10153	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
31195	CG10174	Ntf-2r	0	0	0	Pupal	1											
31198	CG10198	Nup98	0	0	0	Before Pupal	1											
31199	CG10198	Nup98	0	0	0	Before Pupal	1											
31203	CG10203	xl6	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	0.0	3.0
31204	CG10206	nop5	0	0	0	Pupal	1											
31206	CG10230	Rpn9	0	0	0	Pupal	1											
31225	CG10324	CG10324	0	0	0	Pupal	1											
31226	CG10324	CG10324	0	0	0	Before Pupal	1											
31228	CG10346	Grip71	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	2.0	0.0	0.0
31244	CG10395	CG10395	1	4	5	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	9.0
31248	CG10463	CG10463	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
31249	CG10463	CG10463	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	1.0	0.0	0.0
31253	CG10541	Tektin-C	0	0	0	Pupal	1											
31257	CG10545	Gbeta13F	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	6.0	2.0	0.0	4.0	4.0	0.0	0.0
31260	CG10562	CG10562	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
31261	CG10562	CG10562	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
31264	CG10572	Cdk8	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
31272	CG10585	CG10585	0	0	0	Pupal	1											
31273	CG10585	CG10585	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
31284	CG10603	mRpL13	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
31285	CG10603	mRpL13	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
31308	CG10641	CG10641	2	5	7	Eclosion	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
31319	CG10686	tral	0	0	0	Pupal	1											
31320	CG10687	Aats-asn	0	0	0	Before Pupal	1											
31321	CG10687	Aats-asn	0	0	0	Before Pupal	1											
31324	CG10689	CG10689	0	0	0	Before Pupal	1											
31325	CG10689	CG10689	0	0	0	Adult	1											
31328	CG10712	Chro	0	0	0	Pupal	1											
31330	CG10718	neb	8	2	10	Not Lethal	0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31341	CG10741	CG10741	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
31342	CG10753	snRNP69D	0	0	0	Before Pupal	1											
31343	CG10753	snRNP69D	0	0	0	Before Pupal	1											
31346	CG10754	CG10754	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
31347	CG10754	CG10754	3	1	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
31360	CG10825	CG10825	5	2	7	Adult	0	0.0	2.0	0.0	0.0	0.0	5.0	0.0	0.0	2.0	0.0	0.0
31365	CG10840	eIF5B	0	0	0	Before Pupal	1											
31366	CG10840	eIF5B	0	0	0	Pupal	1											
31386	CG10948	CG10948	0	0	0	Pupal	1											
31388	CG10948	CG10948	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31394	CG11006	CG11006	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
31395	CG11006	CG11006	2	3	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
31398	CG11030	CG11030	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
31400	CG11030	CG11030	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
31417	CG11076	CG11076	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
31426	CG1113	CG1113	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	2.0
31429	CG1113	CG1113	6	4	10	Not Lethal	0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
31432	CG11156	mus101	10	0	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31436	CG11166	CG11166	10	0	10	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
31438	CG11180	CG11180	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
31439	CG11180	CG11180	0	0	0	Before Pupal	1											
31442	CG11183	Dcp1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
31444	CG11184	Upf3	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	0.0
31448	CG11191	CG11191	4	6	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
31456	CG11201	CG11201	0	0	0	Pupal	1											
31467	CG11245	CG11245	0	0	0	Before Pupal	1											
31468	CG11245	CG11245	0	0	0	Before Pupal	1											
31472	CG11253	CG11253	5	5	10	Not Lethal	0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31472	CG11253	CG11253	10	0	10	Not Lethal	0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31473	CG11253	CG11253	10	0	10	Not Lethal	0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
31478	CG11261	CG11261	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
31479	CG11261	CG11261	3	2	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	3.0	0.0	0.0
31484	CG11295	l(2)dtl	0	0	0	Before Pupal	1											
31489	CG11399	CG11399	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.0	0.0	0.0	0.0
31490	CG11399	CG11399	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
31497	CG11418	CG11418	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
31500	CG11420	png	1	9	10	Not Lethal	0	0.0	2.6	0.0	0.0	0.0	0.0	2.4	2.4	0.0	0.0	0.0
31508	CG11488	mRpL10	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
31518	CG11539	CG11539	2	1	3	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	5.0	0.0	0.0
31522	CG11546	kermit	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	1.0	0.0
31523	CG11546	kermit	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
31524	CG32593	Flo-2	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	3.0	0.0	0.0
31525	CG32593	Flo-2	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
31531	CG11586	CG11586	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	4.0	0.0	0.0	0.0
31532	CG11586	CG11586	2	0	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
31551	CG11793	Sod	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.2	2.0	0.0	0.6	0.0	0.0
31562	CG13240	l(2)35Di	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
31576	CG11839	CG11839	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
31580	CG11859	CG11859	0	0	0	Pupal	1											
31589	CG11901	Ef1gamma	0	0	0	Before Pupal	1											
31598	CG1193	CG1193	10	0	10	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0	0.0	0.0
31608	CG11981	Prosbeta3	0	0	0	Before Pupal	1											
31609	CG11983	CG11983	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	2.0	0.0	0.0	0.0
31613	CG11984	CG11984	0	0	0	Pupal	1											
31616	CG11989	Ard1	0	0	0	Pupal	1											
31619	CG11989	Ard1	0	0	0	Pupal	1											
31623	CG12042	CG12042	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
31624	CG12042	CG12042	1	1	2	Eclosion	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
31635	CG12058	mxc	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
31636	CG12058	mxc	1	5	6	Pupal	0	1.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	2.0	0.0	0.0
31652	CG12132	c11.1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
31665	CG12156	Rab39	5	4	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
31666	CG12156	Rab39	3	4	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0
31677	CG12175	tth	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
31686	CG12187	CG12187	0	0	0	Before Pupal	1											
31687	CG12187	CG12187	0	0	0	Pupal	1											
31690	CG12217	PpV	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	4.0	0.0	0.0
31693	CG12218	mei-P26	0	0	0	Pupal	1											
31695	CG12218	mei-P26	0	0	0	Before Pupal	1											
31698	CG12219	CG12219	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0
31701	CG12225	Spt6	0	0	0	Before Pupal	1											
31703	CG12225	Spt6	0	0	0	Before Pupal	1											
31704	CG12229	CG12229	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
31706	CG12234	Ranbp21	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	3.0	0.0	0.0
31707	CG12234	Ranbp21	2	6	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
31710	CG12235	Arp11	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
31711	CG12235	Arp11	0	0	0	Pupal	1											
31726	CG12325	CG12325	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
31728	CG12325	CG12325	0	0	0	Pupal	1											
31737	CG12343	CG12343	0	0	0	Pupal	1											
31738	CG12343	CG12343	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
31741	CG12352	san	8	2	10	Not Lethal	0	0.0	7.0	0.0	1.2	0.0	2.0	0.0	0.0	0.0	0.0	0.0
31742	CG12352	san	7	3	10	Not Lethal	0	0.0	5.0	0.0	1.0	0.0	2.0	0.0	2.0	0.0	0.0	0.0
31744	CG12359	Ulp1	2	1	3	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
31746	CG12362	CG12362	0	0	0	Pupal	1											
31747	CG12362	CG12362	0	0	0	Pupal	1											
31750	CG12363	Dic90F	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.5	2.5	0.0	0.0	0.0	0.0	0.0
31761	CG12756	Eaf6	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
31765	CG32556	CG32556	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0
31766	CG32556	CG32556	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0
31769	CG32791	CG32791	0	1	1	Pupal	0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
31769	CG32791	CG32791	1	8	9	Pupal	0	1.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	4.0	0.0	0.0
31770	CG32791	CG32791	0	0	0	Pupal	1											
31770	CG32791	CG32791	5	5	10	Pupal	0	2.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	3.0	0.0	0.0
31777	CG13298	CG13298	0	0	0	Pupal	1											
31778	CG13298	CG13298	2	2	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
31787	CG13779	CG13779	0	0	0	Pupal	1											
31789	CG13779	CG13779	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
31791	CG13994	CG13994	0	0	0	Pupal	1											
31794	CG13994	CG13994	0	0	0	Pupal	1											
31796	CG14022	CG14022	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
31803	CG14210	CG14210	0	0	0	Pupal	1											
31804	CG14210	CG14210	0	0	0	Pupal	1											
31819	CG1488	Cyp311a1	0	0	0	Before Pupal	1											
31830	CG12785	CG12785	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
31832	CG12785	CG12785	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
31858	CG12851	CG12851	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	3.0	3.0	0.0	2.0
31859	CG12851	CG12851	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31877	CG1463	CG1463	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
31890	CG15025	CG15025	0	5	5	Not Lethal	0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31892	CG15042	CG15042	2	0	2	Not Lethal	0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
31894	CG12770	Vps28	0	0	0	Before Pupal	1											
31895	CG12770	Vps28	0	0	0	Before Pupal	1											
31898	CG12818	CG12818	3	7	10	Not Lethal	0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31902	CG12848	CG12848	5	5	10	Not Lethal	0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31908	CG32604	l(1)G0007	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
31909	CG32604	l(1)G0007	1	5	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
31927	CG12396	Nnp-1	0	0	0	Pupal	1											
31930	CG12396	Nnp-1	0	0	0	Pupal	1											
31940	CG12460	CG12460	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
31941	CG12460	CG12460	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
31946	CG1249	CG1249	0	0	0	Before Pupal	1											
31947	CG1249	CG1249	0	0	0	Pupal	1											
31950	CG12496	CG12496	0	3	3	Pupal	0	0.0	0.0	0.0	1.0	0.0	4.0	0.0	6.0	0.0	0.0	0.0
31979	CG12581	CG12581	4	6	10	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31981	CG12581	CG12581	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	1.0	0.0	0.0
31984	CG12591	dpr16	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	0.0	0.0
31986	CG12591	dpr16	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
31992	CG33967	CG33967	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
31993	CG33967	CG33967	0	0	0	Pupal	1											
31994	CG8409	Su(var)205	8	2	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
31995	CG8409	Su(var)205	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
32000	CG12641	CG12641	0	0	0	Pupal	1											
32001	CG32694	CG32694	0	0	0	Before Pupal	1											
32002	CG32694	CG32694	0	0	0	Before Pupal	1											
32016	CG12775	RpL21	0	0	0	Before Pupal	1											
32020	CG12797	Ciao1	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
32021	CG12797	Ciao1	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
32034	CG12831	CG12831	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0
32051	CG14199	CG14199	0	0	0	Before Pupal	1											
32055	CG13652	CG13652	10	0	10	Not Lethal	0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
32060	CG13692	CG13692	8	2	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
32075	CG13868	CG13868	0	6	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
32082	CG13917	CG13917	2	5	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
32084	CG14034	CG14034	0	0	0	Pupal	1											
32085	CG14034	CG14034	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
32097	CG14185	CG14185	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
32098	CG32541	CG32541	4	3	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
32100	CG1420	CG1420	0	0	0	Before Pupal	1											
32104	CG14213	CG14213	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0
32112	CG11765	Prx2540-2	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	5.0	0.0	0.0	0.0	0.0	0.0
32115	CG1291	CG1291	10	0	10	Pupal	1											
32116	CG1291	CG1291	10	0	10	Pupal	1											
32119	CG12912	CG12912	10	0	10	Before Pupal	1											
32122	CG12927	CG12927	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0	0.0	0.0
32130	CG12987		10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
32138	CG13037	mRpS34	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
32139	CG13037	mRpS34	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
32142	CG13087	CG13087	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32145	CG13139	CG13139	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
32148	CG13162	CG13162	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	2.0	0.0	0.0	0.0
32149	CG13162	CG13162	7	3	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32152	CG13188	CG13188	0	0	0	Before Pupal	1											
32153	CG13188	CG13188	0	0	0	Pupal	1											
32163	CG13221	Vhl	1	3	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	4.0	0.0	0.0	0.0	0.0
32164	CG13221	Vhl	0	0	0	Pupal	1											
32175	CG1332	CG1332	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
32191	CG1340	CG1340	0	0	0	Pupal	1											
32192	CG1340	CG1340	1	6	7	Not Lethal	0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	3.0	0.0	0.0	0.0
32194	CG13472	CG13472	2	5	7	Not Lethal	0	1.0	2.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
32231	CG1360	CG1360	2	6	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	2.0	0.0	0.0	0.0	0.0
32232	CG1360	CG1360	4	3	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
32239	CG13604	CG13604	2	2	4	Not Lethal	0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
32267	CG10640	Uev1A	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
32271	CG14480	CG14480	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	8.0	3.0	0.0	0.0	0.0	0.0	0.0
32275	CG33203	CG33203	4	6	10	Pupal	0	5.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	2.0	0.0	0.0
32278	CG14544	CG14544	10	0	10	Not Lethal	0	0.0	9.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
32279	CG14544	CG14544	10	0	10	Not Lethal	0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
32283	CG1455	CanA1	1	3	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32287	CG14562	CG14562	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32308	CG14711	CG14711	2	5	7	Adult	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32325	CG14805	CG14805	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
32327	CG14805	CG14805	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
32359	CG15056	CG15056	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	6.0	0.0	0.0
32361	CG15081	l(2)03709	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
32362	CG15081	l(2)03709	0	0	0	Pupal	1											
32377	CG15224	CkIIbeta	0	0	0	Pupal	1											
32378	CG15224	CkIIbeta	0	0	0	Pupal	1											
32383	CG15693	RpS20	0	0	0	Before Pupal	1											
32395	CG16901	sqd	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0
32396	CG16901	sqd	0	0	0	Pupal	1											
32398	CG16982	Roc1a	0	0	0	Before Pupal	1											
32399	CG16982	Roc1a	0	0	0	Before Pupal	1											
32421	CG5940	CycA	10	0	10	Not Lethal	0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
32428	CG7726	RpL11	0	0	0	Pupal	1											
32441	CG8080	CG8080	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.8
32441	CG8080	CG8080	0	10	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
32443	CG3431	Uch-L3	0	0	0	Pupal	1											
32449	CG3195	RpL12	0	0	0	Before Pupal	1											
32450	CG3195	RpL12	0	0	0	Before Pupal	1											
32459	CG17183	MED30	10	0	10	Not Lethal	0	0.0	0.0	0.0	1.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
32463	CG1738	CG1738	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
32478	CG2485		9	1	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32482	CG32659	Ten-a	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
32484	CG2974	CG2974	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
32486	CG2974	CG2974	8	2	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0	3.0	0.0	0.0
32492	CG31702	CG31702	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
32500	CG11488	mRpL10	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
32510	CG7895	tin	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
32511	CG15697	RpS30	0	0	0	Pupal	1											
32512	CG15697	RpS30	0	0	0	Pupal	1											
32521	CG31809	CG31809	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
32522	CG31809	CG31809	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
32538	CG15207	CG15207	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	6.0	0.0	0.0
32561	CG15316	CG15316	0	0	0	Pupal	1											
32563	CG15329	hdm	6	4	10	Not Lethal	0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32583	CG15368	CG15368	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
32584	CG15368	CG15368	0	0	0	Pupal	1											
32595	CG15383	CG15383	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
32596	CG15383	CG15383	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
32610	CG15479	CG15479	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0
32611	CG15480	CG15480	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
32612	CG15481	Ski6	6	3	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
32634	CG1561	CG1561	0	10	10	Adult	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32638	CG15690	CG15690	0	0	0	Pupal	1											
32657	CG15930	CG15930	1	7	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0
32673	CG1635	CG1635	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
32681	CG1640	CG1640	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
32685	CG1648	CG1648	2	7	9	Not Lethal	0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0
32686	CG1648	CG1648	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	3.0	0.0	0.0	0.0
32690	CG1664	sbr	0	0	0	Pupal	1											
32691	CG1664	sbr	0	0	0	Before Pupal	1											
32693	CG1666	Hlc	2	0	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
32694	CG1666	Hlc	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
32698	CG1671	CG1671	0	0	0	Pupal	1											
32700	CG16710	CG16710	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0
32714	CG16758	CG16758	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
32716	CG16758	CG16758	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0
32718	CG1676	cactin	0	0	0	Pupal	1											
32719	CG1676	cactin	0	0	0	Pupal	1											
32733	CG16800	CG16800	4	6	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
32734	CG16800	CG16800	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	2.0	0.0	2.0
32765	CG16889	adat	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32767	CG16908	CG16908	4	6	10	Not Lethal	0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32768	CG16908	CG16908	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
32780	CG16964	CG16964	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	5.0	0.0	1.0	0.0	0.0
32789	CG16983	skpA	0	0	0	Before Pupal	1											
32790	CG16983	skpA	0	0	0	Before Pupal	1											
32797	CG16988	Roc1b	0	0	0	Before Pupal	1											
32798	CG16988	Roc1b	0	1	1	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
32805	CG17003	CG17003	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	3.0	0.0	0.0
32809	CG17009	aust	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
32817	CG17027	CG17027	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32826	CG1703	CG1703	0	0	0	Pupal	1											
32830	CG17033	CG17033	0	8	8	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	1.0	0.0
32832	CG17033	CG17033	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0
32835	CG17042	CG17042	1	3	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	1.0	0.0
32836	CG17046	klar	0	3	3	Pupal	0	0.7	2.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
32845	CG17065	CG17065	1	8	9	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32850	CG17068	CG17068	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	3.0	0.0	0.0
32854	CG17090	CG17090	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
32855	CG17090	CG17090	4	6	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32858	CG17109	CG17109	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32868	CG17170		0	0	0	Before Pupal	1											
32877	CG17309	Csk	0	0	0	Pupal	1											
32878	CG10491	vn	0	0	0	Before Pupal	1											
32880	CG10491	vn	0	0	0	Pupal	1											
32880	CG10491	vn	0	0	0	Pupal	1											
32884	CG17342	Lk6	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	6.0	4.0	0.0	3.0	0.0	0.0	2.4
32885	CG17342	Lk6	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	8.0	0.0	0.0
32904	CG32512	CG32512	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
32924	CG32699	CG32699	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
32933	CG1748	RhoGAP102A	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	8.0	0.0	0.0	0.0	0.0	0.0
32936	CG1748	RhoGAP102A	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
32937	CG1749	CG1749	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	8.0	0.0	0.0	0.0	0.0	0.0
32940	CG17515	Rab21	0	0	0	Before Pupal	1											
32941	CG17515	Rab21	0	0	0	Before Pupal	1											
32949	CG17540	CG17540	0	9	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
32951	CG17565	CG17565	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
32960	CG32666	CG32666	0	0	0	Before Pupal	1											
32965	CG17617		0	0	0	Pupal	1											
32987	CG17712	CG17712	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	3.0
32996	CG17736	schuy	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0
33011	CG17838	CG17838	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
33012	CG17838	CG17838	3	5	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
33015	CG17856	CG17856	2	2	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
33016	CG17856	CG17856	3	3	6	Pupal	0	0.0	4.0	0.0	0.0	0.0	4.0	0.0	0.0	2.0	0.0	0.0
33019	CG17903	Cyt-c-p	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
33025	CG17949	His2B:CG17949	0	0	0	Before Pupal	1											
33026	CG17949	His2B:CG17949	0	0	0	Before Pupal	1											

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
33040	CG18013	Psf2	10	0	10	Not Lethal	0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
33041	CG18013	Psf2	10	0	10	Not Lethal	0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33050	CG18273	CG18273	4	4	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0	0.0
33051	CG18273	CG18273	1	2	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	4.0	0.0	0.0
33054	CG1830	PhKgamma	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	3.0	0.0	0.0
33088	CG33970	CG33970	0	0	0	Before Pupal	1											
33090	CG33970	CG33970	0	0	0	Before Pupal	1											
33102	CG31619	CG31619	4	4	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
33112	CG31136	Syx1A	10	0	10	Before Pupal	1											
33113	CG31136	Syx1A	0	0	0	Before Pupal	1											
33123	CG4356	mAcR-60C	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
33124	CG4356	mAcR-60C	1	0	1	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
33128	CG18340	Ucp4B	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
33130	CG18340	Ucp4B	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
33133	CG1851	Ady43A	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33164	CG13393	CG13393	0	0	0	Pupal	1											
33172	CG3763	Fbp2	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	2.0	0.0	0.0
33181	CG10491	vn	0	0	0	Before Pupal	1											
33197	CG4088	lat	10	0	10	Not Lethal	0	0.0	7.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
33200	CG5424	f	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
33204	CG4013	Smr	0	0	0	Pupal	1											
33250	CG4050	CG4050	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33281	CG8583	sec63	0	0	0	Before Pupal	1											
33282	CG8583	sec63	0	0	0	Before Pupal	1											
33294	CG5820	Gp150	0	0	0	Pupal	1											
33295	CG5820	Gp150	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
33306	CG32462	CG32462	2	8	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33337	CG5887	desat1	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33339	CG5999	CG5999	0	0	0	Before Pupal	1											
33340	CG8630	CG8630	0	0	0	Before Pupal	1											
33342	CG7007	VhaPPA1-1	0	0	0	Before Pupal	1											
33343	CG7007	VhaPPA1-1	0	0	0	Before Pupal	1											
33377	CG18605	CG18605	6	4	10	Pupal	0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
33386	CG18627	betaggt-II	0	0	0	Pupal	1											
33394	CG33106	mask	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	7.0	0.0	0.0
33396	CG33106	mask	1	5	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
33406	CG1877	lin19	0	0	0	Pupal	1											
33419	CG1898	HBS1	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
33423	CG1911	CAP-D2	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
33427	CG1913	alphaTub84B	0	2	2	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
33434	CG1954	Pkc98E	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
33437	CG1956	R	0	0	0	Pupal	1											
33450	CG1972	CG1972	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	8.0	0.0	0.0
33451	CG1972	CG1972	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	5.0	0.0	0.0	0.0
33461	CG2063	CG2063	0	0	0	Before Pupal	1											
33462	CG2063	CG2063	0	0	0	Before Pupal	1											
33465	CG2092	scra	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
33466	CG2092	scra	2	0	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
33469	CG2097	CG2097	0	0	0	Pupal	1											
33470	CG2097	CG2097	0	0	0	Pupal	1											
33473	CG2101	mRpS35	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	3.0	0.0	0.0	0.0
33474	CG2101	mRpS35	2	9	11	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	1.0	0.0	0.0	0.0
33482	CG2127	CG2127	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33493	CG2162	CG2162	0	0	0	Pupal	1											
33494	CG2162	CG2162	0	0	0	Pupal	1											
33499	CG2163	Pabp2	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33507	CG2253	Upf2	0	6	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.7	0.0	0.0	0.0
33509	CG2257	Ubc-E2H	1	4	5	Not Lethal	0	1.0	0.0	0.0	0.0	4.0	0.0	0.0	2.0	0.0	0.0	0.0
33510	CG2257	Ubc-E2H	1	6	7	Not Lethal	0	1.0	0.0	0.0	0.0	4.0	0.0	0.0	3.0	0.0	0.0	0.0
33514	CG2263	CG2263	0	0	0	Before Pupal	1											
33515	CG2263	CG2263	0	0	0	Before Pupal	1											
33516	CG2272	slpr	0	5	5	Pupal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
33518	CG2272	slpr	1	5	6	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
33523	CG2321	CG2321	2	5	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
33524	CG2321	CG2321	4	4	8	Not Lethal	0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33548	CG2663	CG2663	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
33557	CG2702	CG2702	2	4	6	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
33558	CG2702	CG2702	7	3	10	Not Lethal	0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
33560	CG2708	Tom34	0	0	0	Before Pupal	1											
33561	CG2708	Tom34	0	0	0	Pupal	1											
33566	CG2747	CG2747	0	0	0	Pupal	1											
33569	CG2848	Trn-SR	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
33571	CG2848	Trn-SR	0	0	0	Pupal	1											
33573	CG2863	Nle	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
33574	CG2863	Nle	0	0	0	Pupal	1											
33575	CG2875	CG2875	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
33577	CG32683	CG32683	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0
33589	CG2926	CG2926	6	4	10	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33593	CG2948	rev7	0	10	10	Pupal	0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0
33600	CG2984	Pp2C1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	2.0	0.0	3.0
33605	CG2993	CG2993	0	0	0	Before Pupal	1											
33613	CG5937	CG5937	3	6	9	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
33615	CG5939	Prm	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	4.0	0.0	0.0
33617	CG5964	CG5964	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33634	CG7578	sec71	0	0	0	Pupal	1											
33641	CG7639	CG7639	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
33642	CG7639	CG7639	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
33650	CG7686	CG7686	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
33662	CG30015	CG30015	4	6	10	Pupal	0	0.0	0.0	0.0	0.0	2.0	7.0	0.0	0.0	3.0	0.0	7.0
33663	CG30015	CG30015	10	0	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
33667	CG30061	CG30061	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33680	CG30111	CG30111	1	5	6	Pupal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33684	CG3018	lwr	0	0	0	Pupal	1											
33685	CG3018	lwr	0	0	0	Pupal	1											
33700	CG30288	CG30288	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33714	CG30356	CG30356	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	4.0	0.0	0.0
33719	CG30376	CG30376	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	2.0	0.0	0.0
33720	CG30385	CG30385	2	3	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33733	CG3093	dor	0	0	0	Pupal	1											
33734	CG3093	dor	0	0	0	Pupal	1											
33735	CG31000	heph	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
33736	CG31000	heph	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
33739	CG31007	CG31007	6	4	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33742	CG31007	CG31007	0	10	10	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33744	CG32697	l(1)G0232	0	0	0	Pupal	1											
33747	CG31044	CG31044	0	0	0	Pupal	1											
33781	CG31142	CG31142	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
33788	CG31224	CG31224	0	0	0	Pupal	1											
33790	CG31258	CG31258	0	0	0	Pupal	1											
33792	CG31258	CG31258	0	0	0	Pupal	1											
33799	CG31285	CG31285	0	10	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	0.0
33807	CG13636	CG13636	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	7.0
33827	CG3250	Os-C	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0
33829	CG11753	CG11753	0	0	0	Pupal	1											
33830	CG11753	CG11753	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
33834	CG6476	Su(var)3-9	0	0	0	Before Pupal	1											
33841	CG14028	cype	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
33842	CG33169	CG33169	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
33844	CG16713	CG16713	5	1	6	Not Lethal	0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33860	CG13018	CG13018	0	0	0	Pupal	1											
33864	CG31563	CG31563	0	0	0	Pupal	1											
33877	CG9065	CG9065	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
33892	CG18624	CG18624	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	5.0	0.0	0.0
33893	CG18624	CG18624	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
33896	CG3576	Lag1	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	7.0
33905	CG18160		5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	4.0
33906	CG18160		10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33914	CG12997	CG12997	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	1.0	0.0	0.0
33930	CG32021	CG32021	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	2.0
33931	CG10065		1	5	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
33932	CG10065		0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
33938	CG3151	Rbp9	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	7.0	0.0	0.0
33939	CG3151	Rbp9	0	0	0	Pupal	1											
33952	CG17735	CG17735	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	5.0	0.0	0.0	0.0
33953	CG17735	CG17735	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	3.0	0.0	0.0
33972	CG31613	Hls3:CG31613	0	0	0	Before Pupal	1											
33974	CG31613	Hls3:CG31613	0	0	0	Before Pupal	1											
33979	CG31635	CG31635	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	0.0
33980	CG31635	CG31635	4	6	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
33982	CG31638	CG31638	1	3	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
33998	CR33195		1	0	1	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	2.0
34006	CG31833		10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
34036	CG32031	Argk	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	4.0	0.0	0.0	0.0
34037	CG32031	Argk	2	3	5	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
34046	CG32062	CG32062	0	0	0	Before Pupal	1											
34047	CG32062	CG32062	0	0	0	Pupal	1											
34057	CG32088	CG32088	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
34067	CG6544	fau	0	0	0	Before Pupal	1											
34070	CG5374	T-cp1	0	0	0	Pupal	1											
34079	CG3214	CG3214	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
34086	CG18170	CG18170	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0
34090	CG32576	CG32576	0	0	0	Pupal	1											
34091	CG32576	CG32576	0	0	0	Pupal	1											
34094	CG3664	Rab5	0	0	0	Before Pupal	1											
34096	CG3664	Rab5	0	0	0	Pupal	1											
34102	CG4091	CG4091	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0
34105	CG4270	CG4270	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
34113	CG4494	smt3	0	0	0	Pupal	1											
34115	CG4866	CG4866	0	0	0	Pupal	1											
34116	CG4866	CG4866	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	7.0	0.0	0.0
34119	CG4898	Tm1	1	2	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
34135	CG5674	CG5674	0	0	0	Pupal	1											
34136	CG5674	CG5674	3	4	7	Not Lethal	0	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34138	CG5680	bsk	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	6.0	0.0	1.0	0.0
34139	CG5680	bsk	1	5	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	5.0	0.0	1.0	0.0
34145	CG5869	CG5869	6	4	10	Not Lethal	0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34148	CG6056	AP-2sigma	0	0	0	Pupal	1											
34151	CG6155	Roe1	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
34156	CG6272	CG6272	0	0	0	Pupal	1											
34160	CG6340	CG6340	5	5	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34171	CG6463	CG6463	4	6	10	Not Lethal	0	0.0	4.0	0.0	0.0	3.0	5.0	0.0	0.0	0.0	0.0	0.0
34172	CG6463	CG6463	3	4	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
34173	CG6513	endos	0	7	7	Adult	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
34180	CG33525	CG33525	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.0	0.0	0.0	0.0
34185	CG6703	Caki	1	8	9	Not Lethal	0	0.0	7.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
34191	CG7073	sar1	0	0	0	Before Pupal	1											
34192	CG7073	sar1	0	0	0	Before Pupal	1											
34203	CG7770	CG7770	0	0	0	Pupal	1											
34204	CG7770	CG7770	0	0	0	Before Pupal	1											
34207	CG7866	CG7866	0	0	0	Pupal	1											
34222	CG3437	CG3437	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
34242	CG6322	CG6322	0	0	0	Before Pupal	1											
34253	CG6841	CG6841	0	0	0	Before Pupal	1											
34254	CG6841	CG6841	0	0	0	Pupal	1											
34256	CG7246	CG7246	1	5	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	8.0	0.0	0.0
34262	CG7971	CG7971	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	1.0	0.0	0.0
34268	CG7213	CG7213	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
34273	CG3412	slmb	0	0	0	Pupal	1											
34274	CG3412	slmb	0	0	0	Pupal	1											
34282	CG3499	CG3499	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
34300	CG4213	CG4213	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	4.0	0.0	0.0
34315	CG5121	MED28	0	0	0	Pupal	1											
34316	CG5121	MED28	0	0	0	Before Pupal	1											
34323	CG5265	CG5265	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
34325	CG11624	Ubi-p63E	0	0	0	Before Pupal	1											
34326	CG11624	Ubi-p63E	0	0	0	Before Pupal	1											
34331	CG5596	Mlc1	3	6	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
34339	CG6235	tws	7	3	10	Not Lethal	0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34340	CG6235	tws	3	7	10	Not Lethal	0	0.0	0.0	6.0	0.0	10.0	0.0	0.0	0.0	4.0	0.0	0.0
34355	CG6856	CG6856	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	3.0
34358	CG6874	l(3)neo26	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
34359	CG6874	l(3)neo26	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
34362	CG6889	tara	1	2	3	Not Lethal	0	3.3	0.0	0.0	0.0	7.0	0.0	0.0	0.0	4.0	1.0	0.0
34363	CG6889	tara	3	4	7	Not Lethal	0	3.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
34374	CG7184	Mkrn1	1	0	1	Pupal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34377	CG7222	CG7222	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	7.0	0.0	0.0
34382	CG7238	sip1	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
34389	CG3762	Vha68-2	3	2	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
34390	CG3762	Vha68-2	0	0	0	Pupal	1											
34405	CG32121	CG32121	0	0	0	Before Pupal	1											
34408	CG32130	stv	0	1	1	Pupal	0	5.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	5.0	0.0	0.0
34409	CG32130	stv	0	0	0	Pupal	1											
34412	CG32138	CG32138	0	0	0	Before Pupal	1											
34416	CG33991	nuf	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34426	CG33522	scaf6	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
34437	CG32187	CG32187	0	8	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34446	CG32203	BG642378	10	0	10	Not Lethal	0	0.0	9.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
34452	CG32211	Taf6	0	0	0	Pupal	1											
34458	CG32217	Su(Tpl)	0	3	3	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34470	CG32239	Gef64C	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
34476	CG32251	CG32251	3	6	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
34478	CG32253		1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
34479	CG32253		0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
34498	CG33123	CG33123	0	0	0	Before Pupal	1											
34502	CG32296	Mrtf	0	0	0	Before Pupal	1											
34503	CG32296	Mrtf	0	0	0	Before Pupal	1											
34506	CG32297	CG32297	0	0	0	Pupal	1											
34507	CG32297	CG32297	0	0	0	Before Pupal	1											
34513	CG33484	zormin	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	2.0
34514	CG33484	zormin	0	10	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	4.0	0.0	5.0	0.0	0.0
34515	CG3231	CG3231	0	0	0	Pupal	1											
34517	CG33484	zormin	3	7	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34543	CG32409	CG32409	4	1	5	Not Lethal	0	0.0	0.2	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0
34549	CG32418	CG32418	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
34574	CG3251	CG3251	9	1	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
34578	CG3257	CG3257	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
34579	CG3257	CG3257	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	5.0	0.0	0.0
34582	CG3274	Bap170	0	8	8	Adult	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
34589	CG3307	pr-set7	4	5	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	5.0	0.0	0.0
34590	CG3307	pr-set7	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
34594	CG3324	Pkg21D	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	3.0	0.0	0.0	0.0
34595	CG3324	Pkg21D	1	3	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
34597	CG3333	Nop60B	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	4.0	0.0	0.0	0.0
34598	CG3333	Nop60B	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
34606	CG3401	betaTub60D	8	2	10	Pupal	0	0.0	4.0	0.0	2.0	0.0	2.0	0.0	0.0	3.0	0.0	0.0
34607	CG3401	betaTub60D	2	2	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
34611	CG3407	CG3407	3	1	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	6.0	0.0	0.0
34614	CG3415	CG3415	1	5	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
34617	CG3431	Uch-L3	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	4.0	0.0	0.0
34618	CG3431	Uch-L3	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	3.0	0.0	0.0	0.0
34624	CG3455	Rpt4	0	0	0	Before Pupal	1											
34629	CG3481	Adh	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	4.0	4.0	0.0	0.0	3.0	0.0	0.0
34632	CG3508	CG3508	0	0	0	Before Pupal	1											
34633	CG3508	CG3508	0	0	0	Pupal	1											
34650	CG3573	CG3573	5	5	10	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34663	CG3612	blw	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
34664	CG3612	blw	0	0	0	Before Pupal	1											
34674	CG3679	CG3679	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
34683	CG3704	CG3704	0	0	0	Pupal	1											
34684	CG3704	CG3704	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	2.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
34685	CG3707	wapl	2	5	7	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0
34686	CG3707	wapl	2	3	5	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
34699	CG3751	RpS24	0	0	0	Pupal	1											
34701	CG3753	Marcal1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
34702	CG3753	Marcal1	0	1	1	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	2.0	0.0	0.0
34709	CG3766	scat	0	3	3	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
34710	CG3766	scat	1	3	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
34711	CG3806	eIF2B-epsilon	0	0	0	Pupal	1											
34719	CG3845	l(2)01424	4	6	10	Not Lethal	0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
34725	CG3880	CG3880	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
34727	CG3889	CSN1b	1	1	2	Pupal	0	1.0	0.0	1.0	0.0	2.0	1.0	0.0	0.0	8.0	0.0	0.0
34731	CG3917	Grip84	1	4	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	0.0	0.0	0.0	0.0
34735	CG3920	l(2)k16918	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
34743	CG30280	CG30280	10	0	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	3.0	2.0	0.0	0.0	0.0
34752	CG17768	CG17768	0	0	0	Pupal	1											
34752	CG17768	CG17768	0	0	0	Pupal	1											
34753	CG17768	CG17768	0	0	0	Pupal	1											
34753	CG17768	CG17768	1	3	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
34758	CG32118	CG32118	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
34765	CG33969	CG33969	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
34768	CG3948	zetaCOP	0	0	0	Before Pupal	1											
34777	CG3982	CG3982	0	0	0	Before Pupal	1											
34786	CG4068	CG4068	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	3.0	0.0	0.0	2.0
34787	CG4068	CG4068	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
34788	CG4083	Mo25	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	3.0	0.0	0.0	0.0
34789	CG4083	Mo25	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
34792	CG4090	CG4090	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
34796	CG4094	l(1)G0255	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
34797	CG4094	l(1)G0255	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
34801	CG4097	Pros26	0	0	0	Pupal	1											
34804	CG4116	CG4116	0	10	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0
34807	CG4120	Cyp12c1	0	0	0	Pupal	1											
34820	CG4258	dbe	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
34821	CG4258	dbe	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
34825	CG4281	CG4281	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
34829	CG4013	Smr	0	0	0	Before Pupal	1											
34847	CG4448	CG4448	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
34848	CG4013	Smr	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	0.0	0.0
34848	CG4013	Smr	1	4	5	Pupal	0	0.0	0.0	0.0	0.0	3.0	1.0	0.0	0.0	7.0	0.0	0.0
34853	CG4501	bgm	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
34853	CG4501	bgm	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
34854	CG4501	bgm	0	0	0	Pupal	1											
34855	CG4502	CG4502	3	4	7	Pupal	0	0.0	0.0	0.0	0.0	6.0	6.0	0.0	0.0	6.0	0.0	6.0
34861	CG4511	CG4511	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
34874	CG4567	CG4567	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
34875	CG4567	CG4567	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
34893	CG4733	CG4733	10	0	10	Not Lethal	0	3.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	2.0	0.0	0.0
34894	CG4733	CG4733	8	2	10	Not Lethal	0	4.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	3.1	0.0	0.0
34904	CG4901	CG4901	3	6	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	2.0	0.0	0.0
34905	CG4901	CG4901	2	4	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	7.0	0.0	0.0
34908	CG4931	Sra-1	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.0	0.0	0.0	0.0
34934	CG5108	mRpS7	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
34950	CG5161	CG5161	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
34951	CG5161	CG5161	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
34953	CG5165	Pgm	10	0	10	Not Lethal	0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
34955	CG5166	Atx2	0	0	0	Pupal	1											
34956	CG5166	Atx2	0	0	0	Pupal	1											
34960	CG5175	kuk	1	3	4	Adult	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34965	CG5214	CG5214	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	7.0	5.0	0.0	0.0	3.0	0.0	0.0
34966	CG5214	CG5214	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	7.0	0.0	0.0	3.0	0.0	0.0
34969	CG5215	Zn72D	1	9	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
34978	CG5249	Blimp-1	0	0	0	Pupal	1											
34979	CG5277	Ip259	0	0	0	Pupal	1											
34981	CG5277	Ip259	0	0	0	Before Pupal	1											
34990	CG5387	Cdk5alpha	3	0	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
34991	CG5387	Cdk5alpha	0	0	0	Pupal	1											
34994	CG5394	Aats-glupro	0	0	0	Before Pupal	1											
34995	CG5394	Aats-glupro	0	0	0	Pupal	1											
34999	CG5395	nmd	3	0	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
35000	CG5395	nmd	1	2	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
35001	CG5414	CG5414	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
35007	CG5436	Hsp68	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
35007	CG5436	Hsp68	1	4	5	Pupal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	2.0	0.0	0.0
35012	CG5555	CG5555	0	0	0	Pupal	1											
35013	CG5555	CG5555	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	7.0	0.0	0.0
35024	CG5650	Pp1-87B	0	0	0	Before Pupal	1											
35034	CG5745	CG5745	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0
35036	CG5745	CG5745	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0
35042	CG5787	CG5787	0	0	0	Pupal	1											
35043	CG5787	CG5787	3	6	9	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35048	CG5904	mRpS31	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
35064	CG6066	CG6066	0	0	0	Pupal	1											
35065	CG6066	CG6066	0	0	0	Pupal	1											
35072	CG6325	CG6325	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
35077	CG6384	Cp190	7	3	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35081	CG6392	cmet	6	4	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
35090	CG6413	Dis3	0	0	0	Pupal	1											
35091	CG6413	Dis3	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
35107	CG6620	ial	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0
35111	CG6767	CG6767	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	1.0	0.0	0.0
35121	CG6829	Ark	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
35122	CG6829	Ark	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
35123	CG6838	CG6838	8	2	10	Not Lethal	0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35125	CG6842	CG6842	0	0	0	Pupal	1											
35126	CG6842	CG6842	0	0	0	Before Pupal	1											
35131	CG6876	CG6876	1	0	1	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
35132	CG6897	CG6897	2	4	6	Pupal	0	0.0	0.0	2.0	4.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
35134	CG6897	CG6897	2	8	10	Not Lethal	0	0.0	0.0	0.4	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35137	CG6904	CG6904	0	0	0	Before Pupal	1											
35138	CG6908	CG6908	4	4	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
35145	CG6930	l(3)neo38	1	9	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
35147	CG6930	l(3)neo38	8	2	10	Not Lethal	0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
35161	CG7034	sec15	0	0	0	Pupal	1											
35162	CG7034	sec15	0	0	0	Pupal	1											
35165	CG7070	PyK	0	0	0	Pupal	1											
35172	CG7109	mts	0	0	0	Pupal	1											
35179	CG7158	CG7158	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
35193	CG7177	CG7177	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0
35195	CG7215	CG7215	1	2	3	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	6.0	0.0	0.0
35196	CG7215	CG7215	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	0.0
35199	CG7292	Rrp6	0	0	0	Pupal	1											
35200	CG7292	Rrp6	0	0	0	Pupal	1											
35209	CG7358	CG7358	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
35212	CG7358	CG7358	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
35213	CG7372	CG7372	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	1.0
35214	CG7372	CG7372	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
35219	CG7375	CG7375	0	0	0	Pupal	1											
35220	CG7375	CG7375	0	0	0	Pupal	1											
35232	CG7392	Cka	0	0	0	Pupal	1											
35234	CG7392	Cka	0	0	0	Pupal	1											
35253	CG7546	CG7546	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	7.0	0.0	0.0	0.0
35254	CG7550	CG7550	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	7.0	0.0	0.0
35258	CG7558	Arp66B	2	0	2	Pupal	0	0.0	3.0	0.0	0.0	0.0	3.0	0.0	0.0	4.0	0.0	0.0
35267	CG7773	fidipidine	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
35268	CG7776	E(Pc)	0	0	0	Pupal	1											
35271	CG7776	E(Pc)	1	5	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
35272	CG7791	CG7791	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
35277	CG7808	RpS8	0	0	0	Pupal	1											
35278	CG7808	RpS8	0	0	0	Before Pupal	1											
35279	CG7814		0	0	0	Pupal	1											

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
35280	CG7814		0	0	0	Pupal	1											
35282	CG7835	CG7835	0	0	0	Pupal	1											
35283	CG7835	CG7835	0	0	0	Pupal	1											
35288	CG7878		0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35290	CG7928	CG7928	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
35291	CG7928	CG7928	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35305	CG7961	alphaCop	0	0	0	Before Pupal	1											
35306	CG7961	alphaCop	0	0	0	Before Pupal	1											
35314	CG7993	CG7993	2	2	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
35316	CG7993	CG7993	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
35333	CG8070	Mys45A	0	0	0	Pupal	1											
35334	CG8070	Mys45A	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
35338	CG8094	Hex-C	10	0	10	Not Lethal	0	0.0	7.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35343	CG8108	CG8108	0	0	0	Pupal	1											
35344	CG8108	CG8108	0	0	0	Pupal	1											
35350	CG8114	pbl	1	8	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0
35354	CG1009	Psa	9	1	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
35366	CG18682	CG18682	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
35385	CG4412	ATPsyn-Cf6	0	2	2	Pupal	0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
35415	CG8332	RpS15	0	0	0	Before Pupal	1											
35416	CG8332	RpS15	0	0	0	Before Pupal	1											
35421	CG8415	RpS23	0	0	0	Before Pupal	1											
35422	CG8415	RpS23	0	0	0	Before Pupal	1											
35427	CG8505	CG8505	0	0	0	Pupal	1											
35428	CG8505	CG8505	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
35437	CG8844	Pdsw	3	6	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0
35447	CG9353	mRpL54	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
35448	CG9353	mRpL54	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0	6.0
35451	CG9480	Glycogenin	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
35452	CG9480	Glycogenin	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	0.0
35453	CG9548	CG9548	0	0	0	Pupal	1											
35454	CG9548	CG9548	0	0	0	Pupal	1											
35465	CG9922	CG9922	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
35469	CG10108	phyl	10	0	10	Not Lethal	0	0.0	9.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35486	CG10703	CG10703	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
35489	CG10800	Rca1	0	10	10	Not Lethal	0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35490	CG10800	Rca1	10	0	10	Not Lethal	0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
35495	CG10881	CG10881	0	0	0	Before Pupal	1											
35503	CG33291	CG33291	1	1	2	Before Pupal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	2.0	0.0	1.0	0.0
35505	CG11596	CG11596	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35516	CG12092	NPC1b	5	5	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
35524	CG12369	Lac	0	0	0	Pupal	1											
35538	CG12977	CG12977	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
35578	CG3992	srp	0	0	0	Pupal	1											
35579	CG33526	PNUTS	0	0	0	Pupal	1											
35580	CG33526	PNUTS	0	0	0	Pupal	1											
35583	CG4178	Lsp1beta	4	6	10	Not Lethal	0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35603	CG6639	CG6639	10	0	10	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35607	CG6917	Est-6	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35635	CG18166	CG18166	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
35641	CG18732		7	3	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
35642	CG18732		10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
35663	CG12379	CG12379	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35672	CG12589	CG12589	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.0	0.0	0.0	0.0
35677	CG7084	CG7084	2	3	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
35685	CG14192		10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
35697	CG9015	en	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
35698	CG9015	en	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
35718	CG11276	RpS4	0	0	0	Pupal	1											
35720	CG11276	RpS4	0	0	0	Pupal	1											
35729	CG5258	NHP2	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	1.0	0.0	0.0
35730	CG5258	NHP2	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	1.0	0.0	0.0
35731	CG5671	Pten	0	2	2	Pupal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
35757	CG15387	CG15387	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
35772	CG17757	CG17757	4	5	9	Not Lethal	0	0.0	0.0	0.2	9.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
35783	CG2998	RpS28b	0	0	0	Before Pupal	1											
35784	CG2998	RpS28b	0	0	0	Before Pupal	1											
35791	CG16902	Hr4	0	0	0	Before Pupal	1											
35792	CG16902	Hr4	0	0	0	Pupal	1											
35794	CG30173	SIP1	2	8	10	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	2.0	0.0	0.0
35799	CG30321	CG30321	4	6	10	Not Lethal	0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35806	CG3885	CG3885	0	0	0	Before Pupal	1											
35808	CG3918	CG3918	0	0	0	Eclosion	1											
35810	CG3738	Cks30A	3	3	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35825	CG6770	CG6770	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
35828	CG8764	ox	3	5	8	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
35829	CG8764	ox	10	0	10	Pupal	0	0.0	2.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
35832	CR30009	CR30009	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
35845	CG8173	CG8173	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
35846	CG8173	CG8173	1	3	4	Pupal	0	0.0	0.0	0.0	0.0	10.0	2.0	0.0	0.0	5.0	0.0	0.0
35861	CG8223	CG8223	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0
35863	CG8257	CG8257	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0
35865	CG8257	CG8257	1	8	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
35865	CG8257	CG8257	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	7.0	2.0	0.0	0.0	0.0	0.0	0.0
35867	CG8266	sec31	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	4.0	0.0	0.0
35868	CG8266	sec31	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	3.0	0.0	0.0
35870	CG32555	RhoGAPp190	1	0	1	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
35876	CG8318	Nf1	7	3	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
35881	CG8325	l(2)k14710	0	0	0	Pupal	1											
35885	CG8337	malpha	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	10.0	2.0	0.0	0.0	8.0	0.0	0.0
35886	CG8337	malpha	0	0	0	Pupal	1											
35898	CG8353	CG8353	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	4.0	0.0	0.0
35904	CG8363	Paps	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
35908	CG8374	dmt	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	6.0	0.0	0.0
35922	CG8386	CG8386	0	2	2	Pupal	0	4.0	0.0	0.0	4.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
35923	CG8392	l(2)05070	0	0	0	Before Pupal	1											
35924	CG8392	l(2)05070	0	0	0	Before Pupal	1											
35934	CG8427	SmD3	0	0	0	Before Pupal	1											
35939	CG8485	CG8485	0	2	2	Adult	0	0.0	0.0	0.0	0.0	8.0	6.0	0.0	0.0	3.0	0.0	0.0
35949	CG8532	lqf	0	0	0	Before Pupal	1											
35952	CG8538	CG8538	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
35953	CG8538	CG8538	4	0	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
35954	CG8545	CG8545	0	0	0	Pupal	1											
35959	CG8553	SelD	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	5.0	0.0	0.0
35961	CG8553	SelD	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
35962	CG8569	CG8569	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
35967	CG8571	smid	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
35982	CG8598	eco	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	3.0	3.0	0.0	0.0
35985	CG8610	Cdc27	2	2	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
35986	CG8610	Cdc27	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
35988	CG8637	trc	0	0	0	Pupal	1											
35991	CG8638	CG8638	0	3	3	Pupal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
35992	CG8638	CG8638	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	10.0
35997	CG8642	CG8642	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
36013	CG8740	CG8740	0	0	0	Before Pupal	1											
36014	CG8740	CG8740	2	5	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	5.0	0.0	0.0	0.0	0.0
36017	CG8759	Nacalpha	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
36018	CG8759	Nacalpha	0	0	0	Pupal	1											
36019	CG8768	CG8768	4	1	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
36024	CG8781	tsu	0	0	0	Pupal	1											
36025	CG8781	tsu	0	0	0	Pupal	1											
36033	CG8793	CG8793	0	0	0	Pupal	1											
36035	CG8798	CG8798	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
36046	CG8822	PpD6	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
36047	CG8822	PpD6	0	0	0	Pupal	1											
36050	CG8849	mRpL24	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
36052	CG8849	mRpL24	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	3.0	0.0	0.0	0.0	0.0
36060	CG8922	RpS5a	0	0	0	Before Pupal	1											
36061	CG8922	RpS5a	0	0	0	Before Pupal	1											
36063	CG33935	mei-217	1	1	2	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
36064	CG33935	mei-217	0	4	4	Pupal	0	4.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
36066	CG8944	CG8944	6	4	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
36067	CG8944	CG8944	6	4	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
36070	CG8977	Cctgamma	0	0	0	Before Pupal	1											
36071	CG8977	Cctgamma	0	0	0	Pupal	1											
36080	CG9005	CG9005	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	2.0	0.0	0.0
36086	CG9124	eIF-3p40	0	0	0	Before Pupal	1											
36087	CG9124	eIF-3p40	0	0	0	Pupal	1											
36090	CG9135	CG9135	1	5	6	Not Lethal	0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
36091	CG9135	CG9135	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	1.0	0.0	4.0	0.0	0.0
36095	CG9250	Mpp6	0	2	2	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
36096	CG9253	CG9253	0	0	0	Pupal	1											
36102	CG9386	CG9386	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36103	CG9423	Kap-alpha3	0	0	0	Before Pupal	1											
36104	CG9423	Kap-alpha3	0	1	1	Before Pupal	0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
36117	CG9597	CG9597	7	3	10	Not Lethal	0	0.0	6.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
36127	CG9667	CG9667	1	0	1	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
36128	CG9667	CG9667	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
36131	CG9680	Dbp73D	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
36132	CG9680	Dbp73D	0	0	0	Pupal	1											
36138	CG9715	CG9715	2	2	4	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0
36140	CG9730	mRpL21	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
36142	CG9749	Abi	3	6	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0
36144	CG17667	CG17667	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	4.0
36186	CG9968	Anxb11	0	0	0	Before Pupal	1											
36187	CG9973	CG9973	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
36188	CG9973	CG9973	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
36189	CG9975	CG9975	0	0	0	Pupal	1											
36190	CG9975	CG9975	0	0	0	Pupal	1											
36198	CG9987	CG9987	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0
36199	CG9987	CG9987	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	8.0	0.0	0.0
36216	CG15218	CycK	0	0	0	Pupal	1											
36219	CG17941	ds	2	6	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	1.0	4.0
36220	CG14351	CG14351	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	1.0	0.0	2.0
36221	CG14351	CG14351	0	0	0	Before Pupal	1											
36234	CG17800	Dscam	1	6	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
36237	CG33179	beat-IIIb	0	0	0	Pupal	1											
36238	CG33179	beat-IIIb	0	0	0	Pupal	1											
36246	CG10275	CG10275	0	0	0	Pupal	1											
36247	CG10275	CG10275	0	0	0	Pupal	1											
36253	CG18095	CG18095	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	1.0	0.0	0.0	0.0	0.0	0.0
36256	CG18095	CG18095	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
36261	CG18146	CG18146	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
36268	CG4838	beat-Ic	0	0	0	Pupal	1											
36270	CG10443	Lar	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
36294	CG4281	CG4281	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.0	0.0	0.0	0.0
36301	CG5820	Gp150	0	4	4	Pupal	0	5.0	0.0	0.0	0.0	8.0	8.0	0.0	0.0	5.0	0.0	0.0
36305	CG8896	18w	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	6.0	0.0	0.0
36310	CG6490	CG6490	0	0	0	Pupal	1											
36312	CG6490	CG6490	0	0	0	Pupal	1											
36318	CG6445	Cad74A	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0
36320	CG6445	Cad74A	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	10.0
36343	CG7896	CG7896	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
36350	CG3665	Fas2	1	4	5	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36351	CG3665	Fas2	1	9	10	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
36355	CG14226	dome	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
36356	CG14226	dome	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
36380	CG31227		0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
36389	CG12654	CG12654	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
36406	CG3712	mRpL33	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
36407	CG3712	mRpL33	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
36408	CG8833	CG8833	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0
36409	CG8833	CG8833	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36424	CG5585	CG5585	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	4.0	0.0	1.0	0.0
36425	CG5585	CG5585	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
36427	CG5742	CG5742	4	3	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
36428	CG5742	CG5742	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
36437	CG7224	CG7224	2	0	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
36439	CG5021	CG5021	10	0	10	Not Lethal	0	0.0	0.0	0.2	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
36452	CG9796	CG9796	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36453	CG9796	CG9796	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	4.0	0.0	0.0
36478	CG17265	CG17265	0	0	0	Before Pupal	1											
36479	CG17265	CG17265	0	0	0	Before Pupal	1											
36480	CG14023	CG14023	5	5	10	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36484	CG13952	CG13952	0	0	0	Pupal	1											
36494	CG9987	CG9987	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	4.0	0.0	0.0
36497	CG11196	CG11196	3	5	8	Not Lethal	0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	4.0	0.0	0.0
36500	CG10491	vn	0	0	0	Before Pupal	1											
36508	CG8738	CG8738	2	3	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	2.0	0.0	1.0	0.0
36516	CG2173	Rs1	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
36523	CG12690	CHES-1-like	0	0	0	Before Pupal	1											
36524	CG12690	CHES-1-like	0	0	0	Before Pupal	1											
36527	CG17509	CG17509	1	3	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
36554	CG13348	Aats-phe	3	4	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	3.0	0.0	0.0
36555	CG13348	Aats-phe	7	3	10	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	2.0	0.0	0.0	3.0	0.0	0.0
36557	CG6701	CG6701	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36558	CG8241	CG8241	0	0	0	Pupal	1											
36563	CG30084	CG30084	0	0	0	Pupal	1											
36564	CG30084	CG30084	0	0	0	Pupal	1											
36584	CG9973	CG9973	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
36590	CG13594	CG13594	0	0	0	Pupal	1											
36601	CG13287	CG13287	0	0	0	Pupal	1											
36602	CG13287	CG13287	0	0	0	Before Pupal	1											
36605	CG10616	CG10616	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
36614	CG5185	Tom	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	2.0
36616	CG5114	CG5114	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
36618	CG5114	CG5114	3	0	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
36635	CG11768	CG11768	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36656	CG6695	CG6695	0	0	0	Pupal	1											
36657	CG6695	CG6695	0	0	0	Pupal	1											
36661	CG7834	CG7834	4	4	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
37035	CG15061	CG15061	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
37036	CG15061	CG15061	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	2.0	0.0	0.0	0.0
37046	CG32532	CG32532	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	5.0	0.0	0.0
37047	CG32532	CG32532	7	3	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
37058	CG1765	EcR	0	0	0	Pupal	1											
37059	CG1765	EcR	0	0	0	Before Pupal	1											
37062	CG10002	fkh	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
37066	CG16902	Hr4	0	6	6	Pupal	0	3.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	1.0	0.0
37067	CG16902	Hr4	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
37072	CG7199	Hr78	0	0	0	Pupal	1											
37073	CG7199	Hr78	3	5	8	Pupal	0	0.0	0.0	0.0	0.0	3.0	3.0	0.0	0.0	7.0	0.0	0.0
37078	CG3228	kz	10	0	10	Pupal	0	0.0	2.0	0.0	0.0	0.0	4.0	0.0	0.0	3.0	0.0	0.0
37079	CG3228	kz	9	1	10	Eclosion	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
37090	CG12284	th	0	0	0	Before Pupal	1											
37090	CG12284	th	0	0	0	Before Pupal	1											
37098	CG11529	CG11529	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
37099	CG11529	CG11529	0	0	0	Pupal	1											
37114	CG5147	CG5147	0	0	0	Pupal	1											
37115	CG3903	Gli	1	7	8	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37116	CG3903	Gli	2	4	6	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
37124	CG10234	Hs2st	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37127	CG8666	Tsp39D	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
37136	CG3635	CG3635	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	5.0	0.0	0.0	0.0	0.0	0.0
37139	CG3409	CG3409	0	0	0	Pupal	1											
37161	CG8083	CG8083	4	4	8	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	1.0	0.0	2.0	0.0	1.0	0.0
37185	CG15110	botv	6	4	10	Not Lethal	0	0.0	2.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	2.0
37186	CG15110	botv	0	0	0	Pupal	1											
37188	CG15111	CG15111	0	0	0	Before Pupal	1											
37201	CG11175	CG11175	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
37216	CG9128	Sac1	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37217	CG9128	Sac1	0	0	0	Pupal	1											
37230	CG32246	CG32246	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0
37237	CG33523	CG33523	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
37238	CG33523	CG33523	1	2	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
37250	CG5751	TrpA1	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
37261	CG32058	CG32058	0	10	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0
37278	CG7904	put	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
37279	CG7904	put	0	0	0	Pupal	1											
37287	CG3619	Dl	10	0	10	Not Lethal	0	3.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37288	CG3619	Dl	7	3	10	Not Lethal	0	2.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
37295	CG7571	Oatp74D	0	6	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
37324	CG12546	CG12546	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
37346	CG10090	Tim17a1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
37366	CG31247	tinc	0	0	0	Pupal	1											
37373	CG15923	CG15923	1	4	5	Adult	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37376	CG15549	CG15549	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
37383	CG1597	CG1597	0	0	0	Pupal	1											
37395	CG1998	CG1998	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
37396	CG1998	CG1998	2	6	8	Not Lethal	0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37441	CG32136	Tsp68C	3	7	10	Not Lethal	0	2.0	0.0	1.0	3.0	0.0	0.0	3.0	0.0	0.0	0.0	2.0
37457	CG15598	Osi17	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37462	CG12400	CG12400	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	5.0	0.0	0.0
37463	CG12400	CG12400	3	1	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	8.0	0.0	0.0
37496	CG9603	CG9603	6	4	10	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	5.0	0.0	3.0	0.0	0.0	0.0
37505	CG4468	CG4468	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37517	CG1756	CG1756	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37526	CG11290	enok	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	5.0
37527	CG11290	enok	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	1.0	0.0
37531	CG6976	Myo28B1	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	3.0	0.0	0.0
37532	CG6976	Myo28B1	0	7	7	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
37534	CG5695	jar	1	7	8	Not Lethal	0	0.0	0.0	0.0	5.0	0.0	2.0	0.0	0.0	3.0	0.0	0.0
37543	CG10882	CG10882	0	0	0	Pupal	1											
37545	CG8426	l(2)NC136	0	0	0	Pupal	1											
37547	CG8426	l(2)NC136	0	0	0	Pupal	1											
37548	CG6711	Taf2	0	0	0	Pupal	1											
37549	CG6711	Taf2	0	0	0	Pupal	1											
37553	CG7417	Tab2	0	5	5	Pupal	0	2.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37555	CG7417	Tab2	1	9	10	Not Lethal	0	2.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
37559	CG7938	Sry-beta	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37562	CG6292	CycT	0	0	0	Pupal	1											
37570	CG16903	CG16903	0	0	0	Before Pupal	1											
37572	CG16903	CG16903	0	0	0	Pupal	1											
37575	CG11942	skpE	1	6	7	Not Lethal	0	6.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	10.0
37581	CG4033	Rpl135	2	0	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
37585	CG3945	Rad9	1	4	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
37596	CG12267	CG12267	0	0	0	Pupal	1											
37597	CG12267	CG12267	0	0	0	Pupal	1											
37607	CG4078	CG4078	10	0	10	Not Lethal	0	0.0	6.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
37608	CG7583	CtBP	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	10.0	0.0	0.0	0.0
37609	CG7583	CtBP	0	4	4	Pupal	0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
37615	CG11071	CG11071	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
37616	CG11071	CG11071	0	5	5	Pupal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
37618	CG16801	CG16801	0	0	0	Pupal	1											
37626	CG31367	CG31367	7	3	10	Not Lethal	0	0.0	3.0	0.0	1.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
37629	CG5441	dei	2	8	10	Not Lethal	0	2.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
37630	CG5441	dei	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
37656	CG11202	org-1	0	10	10	Pupal	0	0.0	0.0	0.0	2.0	0.0	7.0	0.0	0.0	2.0	0.0	0.0
37663	CG5640	CG5640	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
37664	CG5640	CG5640	0	2	2	Not Lethal	0	0.0	4.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37664	CG5640	CG5640	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
37665	CG9418	CG9418	0	0	0	Pupal	1											
37669	CG7154	CG7154	2	0	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
37674	CG17894	cnc	1	9	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37682	CG7055	dalao	0	0	0	Pupal	1											
37684	CG7055	dalao	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
37694	CG8676	Hr39	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
37695	CG8676	Hr39	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
37698	CG5748	Hsf	0	0	0	Before Pupal	1											
37699	CG5748	Hsf	0	0	0	Before Pupal	1											
37704	CG4478	Mst35Bb	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	1.0	0.0	0.0
37715	CG8651	trx	5	5	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
37717	CG7803	z	0	0	0	Before Pupal	1											
37720	CG5942	brm	0	0	0	Pupal	1											
37721	CG5942	brm	0	0	0	Pupal	1											
37741	CG6779	RpS3	0	0	0	Before Pupal	1											
37742	CG6779	RpS3	0	0	0	Pupal	1											
37745	CG10491	vn	0	0	0	Before Pupal	1											
37746	CG10491	vn	0	0	0	Before Pupal	1											
37756	CG14999	RfC40	10	0	10	Not Lethal	0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
37757	CG14999	RfC40	10	0	10	Not Lethal	0	0.0	8.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
37761	CG5313	RfC3	10	0	10	Not Lethal	0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
37762	CG5313	RfC3	3	7	10	Not Lethal	0	0.0	6.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
37770	CG17888	Pdp1	0	0	0	Before Pupal	1											
37779	CG11100	Mes2	0	0	0	Before Pupal	1											
37782	CG11100	Mes2	0	0	0	Before Pupal	1											
37789	CG32542	CG32542	7	3	10	Pupal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
37790	CG32542	CG32542	0	1	1	Pupal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
37791	CG8376	ap	0	0	0	Pupal	1											
37792	CG8544	sd	2	2	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
37794	CG9027	CG9027	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
37802	CG14283	mRpL55	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
37812	CG11154	ATPsyn-beta	0	3	3	Pupal	0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
37819	CG4217	TFAM	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
37820	CG4217	TFAM	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
37829	CG4577	CG4577	1	5	6	Not Lethal	0	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
37830	CG4577	CG4577	0	0	0	Pupal	1											
37842	CG15630	CG15630	0	0	0	Pupal	1											
37843	CG15630	CG15630	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
37858	CG32479	CG32479	0	0	0	Before Pupal	1											
37859	CG32479	CG32479	0	0	0	Before Pupal	1											
37865	CG1106	Gel	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37867	CG1106	Gel	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37877	CG5295	CG5295	10	0	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37881	CG17285	Fbp1	3	3	6	Not Lethal	0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0
37896	CG9215	CG9215	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	3.0
37922	CG14191	CG14191	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	0.0
37930	CG14619	CG14619	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
37938	CG8867	Jon25Bi	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
37945	CG6181	CG6181	0	0	0	Before Pupal	1											
37946	CG6181	CG6181	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	6.0	0.0	0.0
37958	CG1857	nec	0	0	0	Before Pupal	1											
37959	CG1857	nec	0	0	0	Before Pupal	1											
37975	CG8946	Sply	4	6	10	Not Lethal	0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37983	CG3818	CG3818	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	1.0	4.0
37984	CG3818	CG3818	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	2.0
37987	CG31876	CG31876	3	2	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
37988	CG6453	CG6453	0	10	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
37991	CG6453	CG6453	2	5	7	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37993	CG7157	Acp36DE	0	0	0	Before Pupal	1											
38003	CG13983	CG13983	10	0	10	Not Lethal	0	3.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38008	CG9511	CG9511	0	6	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
38016	CG13098	mRpL51	2	5	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
38018	CG4804	CG4804	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
38024	CG16886	CG16886	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	4.0	0.0	0.0
38026	CG16886	CG16886	3	3	6	Not Lethal	0	0.0	2.0	0.0	0.0	8.0	8.0	1.0	0.0	0.0	0.0	0.0
38036	CG2100	CG2100	0	0	0	Pupal	1											
38037	CG2100	CG2100	0	0	0	Pupal	1											
38040	CG1152	Gld	0	0	0	Before Pupal	1											
38041	CG1152	Gld	0	0	0	Pupal	1											

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
38051	CG4757	CG4757	10	0	10	Pupal	0	0.0	4.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0
38052	CG4757	CG4757	1	4	5	Pupal	0	0.2	0.0	0.0	0.0	0.0	3.0	0.0	0.0	5.0	0.0	0.0
38058	CG10013	CG10013	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0
38061	CG6118	CG6118	0	0	0	Before Pupal	1											
38062	CG6118	CG6118	0	0	0	Before Pupal	1											
38068	CG13822	CG13822	0	5	5	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0	0.0
38069	CG13822	CG13822	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	2.0	0.0	0.0
38089	CG5785	thr	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
38092	CG8646	CG8646	0	0	0	Before Pupal	1											
38093	CG12488	CG12488	0	0	0	Pupal	1											
38094	CG12488	CG12488	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
38102	CG1773	CG1773	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
38111	CG4679	CG4679	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	9.0	0.0	0.0	0.0	0.0	0.0
38131	CG13307	CG13307	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38136	CG13519	Obp58d	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
38146	CG3006	Fmo-1	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38162	CG7465	CG7465	1	1	2	Not Lethal	0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
38163	CG7465	CG7465	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	3.0	0.0	0.0
38166	CG11350	CG11350	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
38167	CG11350	CG11350	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
38180	CG6462	CG6462	4	6	10	Not Lethal	0	0.0	1.1	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0
38188	CG8647	CG8647	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	3.0	0.0	0.0	3.0	0.0	0.0
38190	CG18417	CG18417	8	2	10	Not Lethal	0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
38191	CG18417	CG18417	1	9	10	Not Lethal	0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
38198	CG14180	CG14180	0	0	0	Before Pupal	1											
38200	CG14180	CG14180	0	0	0	Before Pupal	1											
38208	CG32183	Ccn	0	0	0	Pupal	1											
38223	CG32611	CG32611	0	0	0	Pupal	1											
38224	CG1970	CG1970	8	2	10	Not Lethal	0	0.0	7.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
38225	CG1970	CG1970	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
38230	CG7058	CG7058	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38233	CG8355	sli	10	0	10	Not Lethal	0	2.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38239	CG18654	Dgk	0	0	0	Before Pupal	1											
38241	CG18654	Dgk	0	0	0	Pupal	1											
38243	CG5224	CG5224	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
38245	CG5224	CG5224	4	3	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
38250	CG18767	mRpL36	1	7	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	1.0	0.0	0.0
38251	CG18767	mRpL36	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	6.0	0.0	0.0
38254	CG18490	CG18490	2	5	7	Not Lethal	0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	1.0	0.0	0.0
38255	CG18490	CG18490	9	1	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
38261	CG31708	CG31708	0	0	0	Pupal	1											
38269	CG3776	CG3776	1	2	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	5.0	0.0	0.0
38270	CG3776	CG3776	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
38277	CG32412	CG32412	8	2	10	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	3.0	0.0	0.0
38293	CG14757	CG14757	10	0	10	Pupal	0	0.0	2.0	0.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0
38319	CG10033	for	3	0	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
38320	CG10033	for	3	4	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
38334	CG10084	swm	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
38336	CG10084	swm	6	3	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
38349	CG10177	CG10177	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	2.0	0.0	1.0	0.0
38357	CG10217	CG10217	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38365	CG10228	Pcf11	2	3	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
38366	CG10228	Pcf11	1	4	5	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	7.0	0.0	0.0	0.0
38380	CG10343	CG10343	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
38386	CG10435	CG10435	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
38389	CG10480	Bj1	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
38393	CG10565	CG10565	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
38399	CG33100	4EHP	3	5	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
38401	CG33100	4EHP	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	4.0	0.0	0.0
38413	CG10897	tou	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
38420	CG10914	CG10914	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38429	CG11000	CG11000	2	2	4	Before Pupal	0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38433	CG11008	CG11008	0	0	0	Before Pupal	1											
38434	CG11008	CG11008	0	0	0	Before Pupal	1											
38441	CG11061	GM130	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38443	CG11063	CG11063	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0
38447	CG11107	CG11107	3	2	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
38468	CG11251	CG11251	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0
38471	CG1129	CG1129	0	0	0	Before Pupal	1											
38472	CG1129	CG1129	0	0	0	Pupal	1											
38493	CG11386	CG11386	0	0	0	Before Pupal	1											
38494	CG11386	CG11386	0	0	0	Before Pupal	1											
38511	CG11451	CG11451	0	0	0	Pupal	1											
38519	CG11508	CG11508	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
38526	CG11491	br	2	8	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	3.0	3.0	0.0	0.0
38527	CG11555	CG11555	3	6	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0
38528	CG11555	CG11555	5	4	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
38540	CG11597	CG11597	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
38541	CG11597	CG11597	7	3	10	Not Lethal	0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38547	CG11652	CG11652	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
38551	CG10491	vn	0	0	0	Pupal	1											
38554	CG10491	vn	0	0	0	Pupal	1											
38567	CG11814	CG11814	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38573	CG11837	CG11837	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	1.0	0.0	0.0
38574	CG11837	CG11837	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
38581	CG11856	Nup358	3	0	3	Pupal	0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
38590	CG11883	CG11883	1	9	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	3.0	0.0	0.0
38608	CG11943	CG11943	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
38610	CG11943	CG11943	3	0	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
38612	CG11967	CG11967	9	1	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
38634	CG32533	CG32533	2	2	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
38634	CG32533	CG32533	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
38635	CG12227	skpF	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
38637	CG12238	l(1)G0084	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
38638	CG12238	l(1)G0084	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
38640	CG12252	CG12252	0	0	0	Pupal	1											
38643	CG12259	CG12259	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
38646	CG12259	CG12259	4	6	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
38655	CG12304	CG12304	7	3	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
38658	CG12323	Prosbeta5	0	0	0	Before Pupal	1											
38659	CG12323	Prosbeta5	0	0	0	Before Pupal	1											
38660	CG33970	CG33970	0	0	0	Before Pupal	1											
38661	CG33970	CG33970	0	0	0	Before Pupal	1											
38664	CG15064	Him	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
38665	CG15064	Him	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
38669	CG13398	CG13398	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0
38675	CG13097	CG13097	0	0	0	Pupal	1											
38696	CG12625	CG12625	0	0	0	Pupal	1											
38702	CG12700	skpD	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
38703	CG12700	skpD	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
38706	CG12701	CG12701	0	0	0	Pupal	1											
38707	CG12701	CG12701	0	0	0	Before Pupal	1											
38716	CG10197	kn	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	5.0	0.0	0.0
38717	CG10197	kn	8	2	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
38722	CG12878	btz	4	3	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
38729	CG12897	CG12897	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
38730	CG12897	CG12897	3	5	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
38746	CG12932	CG12932	7	3	10	Not Lethal	0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
38758	CG12976	CG12976	5	3	8	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38759	CG12976	CG12976	6	4	10	Not Lethal	0	3.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
38780	CG13550	CG13550	0	0	0	Before Pupal	1											
38790	CG14641	CG14641	2	0	2	Pupal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
38793	CG14641	CG14641	5	1	6	Pupal	0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	8.0	0.0	0.0
38799	CG14687	CG14687	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
38800	CG14687	CG14687	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
38821	CG14750	Vps25	0	0	0	Pupal	1											
38822	CG14792	sta	0	0	0	Before Pupal	1											
38823	CG14792	sta	0	0	0	Before Pupal	1											
38826	CG14801	CG14801	0	0	0	Pupal	1											
38827	CG14801	CG14801	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	8.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
38842	CG15016	mRpS6	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
38843	CG15016	mRpS6	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
38850	CG30267	CG30267	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
38854	CG31012	CG31012	10	0	10	Not Lethal	0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
38860	CG10851	B52	3	1	4	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
38862	CG10851	B52	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	5.0	0.0	0.0
38924	CG17427		4	3	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
38926	CG17437	wds	0	0	0	Pupal	1											
38929	CG17489	RpL5	0	0	0	Before Pupal	1											
38933	CG2843	CG2843	0	0	0	Pupal	1											
38939	CG31347	CG31347	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
38940	CG31347	CG31347	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0
38943	CG31422	CG31422	0	0	0	Pupal	1											
38950	CG4111	RpL35	0	0	0	Before Pupal	1											
38955	CG7470	CG7470	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
38963	CG7935	msk	7	3	10	Not Lethal	0	0.0	7.0	0.0	0.0	0.0	3.0	0.0	0.0	0.9	0.0	0.0
38981	CG3964	CG3964	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
38983	CG3964	CG3964	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38985	CG4141	Pi3K92E	1	1	2	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
38986	CG4141	Pi3K92E	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
38988	CG32707	APC4	5	5	10	Not Lethal	0	0.0	4.0	0.0	1.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
38989	CG32707	APC4	4	6	10	Not Lethal	0	0.0	4.0	0.0	1.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0
38998	CG5469	Gint3	3	3	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
39000	CG5469	Gint3	4	4	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
39001	CG5786	ppan	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
39004	CG5877	CG5877	7	3	10	Not Lethal	0	0.0	1.2	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0
39007	CG6700	CG6700	0	0	0	Before Pupal	1											
39012	CG6712	CG6712	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
39012	CG6712	CG6712	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
39022	CG15013	dyl	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
39023	CG15013	dyl	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
39049	CG13418	Rpl12	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
39052	CG3420	CG3420	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39069	CG7764	Tfb2	0	0	0	Pupal	1											
39076	CG8809	Camta	4	6	10	Not Lethal	0	0.0	3.0	0.2	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
39084	CG2507	sas	0	1	1	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
39091	CG31289	Dph5	3	2	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	2.0	0.0	0.0
39095	CG1448	inx3	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
39116	CG31618	His2A:CG31618	0	0	0	Before Pupal	1											
39118	CG31618	His2A:CG31618	0	0	0	Before Pupal	1											
39123	CG17388	CG17388	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
39124	CG17388	CG17388	2	5	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
39126	CG8448	mrj	0	7	7	Adult	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.0
39133	CG13476	CG13476	0	8	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39134	CG31155	Rpb7	0	0	0	Before Pupal	1											
39154	CG8629	CG8629	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	3.0	0.0	0.0	7.0	0.0	0.0
39155	CG8629	CG8629	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	0.0	0.0
39162	CG9236	CG9236	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	3.0	0.0	0.0
39166	CG32235	CG32235	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39177	CG6383	crb	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
39192	CG31784	CG31784	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	1.0	5.0
39205	CG9802	Cap	9	1	10	Pupal	0	0.0	2.0	1.0	0.0	0.0	2.0	0.0	3.0	3.0	1.0	0.0
39207	CG9802	Cap	0	0	0	Pupal	1											
39218	CG11760	CG11760	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39232	CG9160	mtacp1	7	2	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	8.0	0.0	0.0
39233	CG9160	mtacp1	2	3	5	Not Lethal	0	0.0	3.6	0.0	0.0	0.0	3.8	0.0	3.0	0.0	0.0	0.0
39238	CG32664	Gr10a	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39249	CG11373	CG11373	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
39255	CG9742	CG9742	0	0	0	Before Pupal	1											
39256	CG9742	CG9742	0	0	0	Before Pupal	1											
39272	CG31406	CG31406	10	0	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
39273	CG31406	CG31406	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
39283	CG33989	pHCl	0	0	0	Pupal	1											
39310	CG14447	Grip	0	0	0	Before Pupal	1											
39335	CG3193	crn	0	0	0	Pupal	1											
39340	CG15758	CG15758	2	4	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0
39341	CG15758	CG15758	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	1.0	2.0
39343	CG12683	CG12683	0	0	0	Pupal	1											
39344	CG12683	CG12683	0	0	0	Pupal	1											
39347	CG10491	vn	0	0	0	Pupal	1											
39348	CG18275	CG18275	0	0	0	Pupal	1											
39349	CG18275	CG18275	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39358	CG33080	CG33080	0	0	0	Pupal	1											
39364	CG9766	CG9766	2	7	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	7.0	0.0	0.0
39365	CG9766	CG9766	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
39377	CG6476	Su(var)3-9	0	0	0	Pupal	1											
39378	CG6476	Su(var)3-9	0	0	0	Before Pupal	1											
39395	CG31072	Lerp	3	7	10	Pupal	0	5.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	4.0	0.0	0.0
39411	CG32975	nAcRalpha-34E	10	0	10	Not Lethal	0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39416	CG32194	CG32194	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
39417	CG32194	CG32194	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
39433	CG4013	Smr	0	0	0	Before Pupal	1											
39434	CG4013	Smr	0	0	0	Before Pupal	1											
39436	CG15862	Pka-R2	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
39437	CG15862	Pka-R2	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0	0.0	0.0
39450	CG31704	CG31704	0	0	0	Pupal	1											
39476	CG13545	CG13545	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39486	CG4477	CG4477	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
39493	CG32054	CG32054	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
39507	CG1804	kek6	0	0	0	Pupal	1											
39510	CG1804	kek6	0	0	0	Pupal	1											
39552	CG6401	CG6401	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	3.0	1.0	0.0	0.0	1.0	0.0	3.0
39557	CG7698	CG7698	0	0	0	Pupal	1											
39558	CG7698	CG7698	0	0	0	Pupal	1											
39572	CG32684	alpha-Man-I	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
39575	CG1500	fw	2	5	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
39579	CG15728	CG15728	0	8	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39583	CG5433	Klc	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	9.0
39585	CG3774	CG3774	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39588	CG5326	CG5326	3	5	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39591	CG5659	ari-1	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39596	CG6151	CG6151	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39647	CG14523	CG14523	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
39648	CG14048	mRpL14	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
39666	CG10370	Tbp-1	0	0	0	Pupal	1											
39675	CG6815	bor	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
39676	CG4889	wg	5	5	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39680	CG1871	e(r)	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0
39686	CG11286	CG11286	8	2	10	Not Lethal	0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39689	CG4345	grim	0	0	0	Pupal	1											
39699	CG4538	CG4538	3	6	9	Not Lethal	0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
39700	CG14240	CG14240	0	0	0	Pupal	1											
39705	CG10553	CG10553	4	3	7	Not Lethal	0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39711	CG1059	Karybeta3	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	6.0	0.0	0.0
39713	CG1059	Karybeta3	0	0	0	Pupal	1											
39715	CG10688	CG10688	0	0	0	Pupal	1											
39716	CG10688	CG10688	0	0	0	Pupal	1											
39723	CG11723	CG11723	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
39740	CG12419	CG12419	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0
39748	CG12620	CG12620	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
39757	CG9834	endoB	0	0	0	Pupal	1											
39761	CG6502	E(z)	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	1.0	2.0
39764	CG10689	CG10689	0	0	0	Before Pupal	1											
39765	CG10802	CG10802	1	2	3	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	1.0	0.0
39767	CG30092	jbug	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
39770	CG12210	Syb	0	0	0	Pupal	1											
39776	CG13391	Aats-ala	0	0	0	Before Pupal	1											
39788	CG13165	CG13165	0	0	0	Pupal	1											
39792	CG1319	CG1319	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
39800	CG13664	Cad96Cb	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
39805	CG13681	CG13681	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
39808	CG32604	l(1)G0007	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	4.0	0.0	0.0
39809	CG32604	l(1)G0007	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
39826	CG14137	CG14137	2	3	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39830	CG14193	CG14193	4	6	10	Not Lethal	0	0.0	3.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39839	CG14673	CG14673	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39843	CG14895	Pak3	0	3	3	Adult	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
39857	CG14992	Ack	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
39870	CG1524	RpS14a	0	0	0	Pupal	1											
39876	CG15532	hdc	2	5	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	1.7	0.0	0.0
39877	CG15532	hdc	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	3.0	0.0	1.0
39884	CG17002	CG17002	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39895	CG2099	RpL35A	0	0	0	Before Pupal	1											
39896	CG2099	RpL35A	0	0	0	Before Pupal	1											
39898	CG1989	Yippee	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
39899	CG1989	Yippee	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
39901	CG33719	Pif1A	1	0	1	Pupal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
39904	CG31711	CG31711	0	0	0	Pupal	1											
39907	CG32467	CG32467	0	0	0	Pupal	1											
39911	CG31436	CG31436	2	3	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
39914	CG7622	RpL36	0	0	0	Pupal	1											
39920	CG33785	CG33785	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
39931	CG15720	CG15720	1	3	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
39932	CG15720	CG15720	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
39936	CG17083	CG17083	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	5.0	0.0	0.0
39937	CG17083	CG17083	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	2.8	0.0	0.0
39939	CG1722	CG1722	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
39940	CG1722	CG1722	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	2.0	0.0	0.0
39952	CG30115	CG30115	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39959	CG30349	CG30349	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
39970	CG15260	CG15260	0	0	0	Pupal	1											
39972	CG15340		1	4	5	Pupal	0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39976	CG1542	CG1542	0	0	0	Before Pupal	1											
39977	CG1542	CG1542	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
39993	CG15525	CG15525	7	3	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	3.0	0.0	0.0
40003	CG10491	vn	0	0	0	Pupal	1											
40004	CG10491	vn	0	0	0	Pupal	1											
40006	CG15618	CG15618	3	0	3	Not Lethal	0	3.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0
40017	CG33094	Synd	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	6.0
40024	CG15753	CG15753	0	2	2	Not Lethal	0	6.0	0.0	0.0	0.0	4.0	0.0	0.0	5.0	0.0	0.0	0.0
40025	CG15793	Dsor1	3	5	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
40026	CG15793	Dsor1	0	0	0	Pupal	1											
40047	CG17054	Cap-G	1	0	1	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
40051	CG17187	CG17187	0	0	0	Pupal	1											
40056	CG17268	Pros28.1A	1	2	3	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	1.0	0.0	0.0	0.0
40059	CG17282	CG17282	0	10	10	Not Lethal	0	0.0	0.0	0.2	0.8	0.0	0.0	0.0	6.0	0.0	0.0	0.0
40088	CG17657	CG17657	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0
40104	CG17788	CG17788	0	10	10	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
40107	CG17912	CG17912	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40118	CG1800	pasha	3	6	9	Not Lethal	0	0.0	6.0	0.0	0.0	0.0	2.0	0.0	4.0	0.0	1.0	0.0
40127	CG18128	CG18128	1	4	5	Adult	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	9.0
40137	CG18214	trio	0	3	3	Not Lethal	0	0.0	9.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
40138	CG18214	trio	2	1	3	Not Lethal	0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40149	CG18528	CG18528	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
40156	CG1873	Ef1alpha100E	0	0	0	Before Pupal	1											
40157	CG1873	Ef1alpha100E	0	0	0	Before Pupal	1											
40159	CG1910	CG1910	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	4.0	0.0	0.0
40198	CG31111	CG31111	0	2	2	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
40199	CG31111	CG31111	1	1	2	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
40207	CG31122	CG31122	9	1	10	Not Lethal	0	2.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
40208	CG31132	BRWD3	0	0	0	Pupal	1											
40209	CG31132	BRWD3	0	0	0	Pupal	1											
40211	CG31161	CG31161	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
40218	CG31256	Brf	0	0	0	Pupal	1											
40219	CG31256	Brf	0	0	0	Pupal	1											
40228	CG3129	Rab-RP4	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
40229	CG32758	CG32758	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
40235	CG31302	CG31302	0	0	0	Before Pupal	1											
40236	CG33555	btsz	1	3	4	Not Lethal	0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
40237	CG33555	btsz	1	3	4	Not Lethal	0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
40246	CG31357	CG31357	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.5	0.0	0.0	0.0
40256	CG31395	CG31395	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
40277	CG31551	CG31551	0	0	0	Before Pupal	1											
40289	CG31786	CG31786	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	1.0	0.0	0.0
40295	CG3187	Sirt4	0	10	10	Not Lethal	0	0.0	2.2	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0
40303	CG31912	CG31912	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
40306	CG31938	CG31938	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
40308	CG32045	fry	0	0	0	Before Pupal	1											
40309	CG32045	fry	0	0	0	Before Pupal	1											
40311	CG33205	CG33205	0	0	0	Before Pupal	1											
40312	CG33205	CG33205	0	0	0	Before Pupal	1											
40314	CG33332	CG33332	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	6.0	2.0	0.0	0.0	4.0	0.0	0.0
40318	CG5189	CG5189	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0
40321	CG7883	eIF2B-alpha	0	8	8	Not Lethal	0	0.0	7.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
40322	CG7883	eIF2B-alpha	10	0	10	Not Lethal	0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40334	CG5913	CG5913	0	1	1	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	2.0	0.0	0.0	0.0
40336	CG5913	CG5913	0	0	0	Pupal	1											
40351	CG6227	CG6227	0	0	0	Pupal	1											
40352	CG6227	CG6227	0	0	0	Pupal	1											
40354	CG6255	CG6255	5	5	10	Not Lethal	0	1.0	1.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40360	CG6333	CG6333	7	3	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40363	CG6353	CG6353	0	8	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	1.0	0.0	0.0
40364	CG6353	CG6353	0	0	0	Pupal	1											
40376	CG6393	CG6393	2	4	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
40377	CG6393	CG6393	1	2	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
40382	CG6450	lva	0	0	0	Pupal	1											
40399	CG6831	rhea	0	0	0	Pupal	1											
40400	CG6831	rhea	0	0	0	Before Pupal	1											
40402	CG6846	RpL26	0	0	0	Before Pupal	1											
40405	CG6949	mRpL45	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
40408	CG6949	mRpL45	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	2.0	0.0	0.0
40410	CG7010	l(1)G0334	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
40413	CG7038	mRpL30	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
40415	CG7054	CG7054	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	2.0
40425	CG7146	CG7146	4	4	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	1.9	0.0	1.1
40427	CG7146	CG7146	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
40429	CG7183	CG7183	0	0	0	Pupal	1											
40437	CG7274	CG7274	1	4	5	Adult	0	0.0	1.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	3.0
40442	CG3403	CG3403	0	0	0	Pupal	1											
40451	CG3517	CG3517	0	0	0	Pupal	1											
40452	CG3517	CG3517	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	2.0	0.0	4.0	1.0	0.0	0.0
40466	CG3731	CG3731	2	0	2	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
40467	CG3731	CG3731	2	0	2	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
40471	CG3780	Spx	0	0	0	Before Pupal	1											
40472	CG3780	Spx	0	0	0	Before Pupal	1											
40475	CG3793	CG3793	4	4	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	3.0
40476	CG3793	CG3793	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0
40477	CG3843	RpL10Aa	1	0	1	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
40478	CG3869	Marf	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
40495	CG3981	Unc-76	1	4	5	Not Lethal	0	3.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
40497	CG4005	yki	0	0	0	Pupal	1											
40500	CG4274	fzy	0	0	0	Before Pupal	1											
40508	CG4371	GstD7	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	2.0	0.0	0.0	0.0
40513	CG4420	CG4420	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40530	CG4466	Hsp27	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
40537	CG4552	CG4552	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
40538	CG4552	CG4552	0	4	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
40540	CG4556	eyc	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	1.0	0.0
40541	CG4561	Aats-tyr	0	0	0	Before Pupal	1											
40551	CG4681	CG4681	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
40571	CG5052	pim	2	3	5	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
40576	CG5072	Cdk4	7	3	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40577	CG5072	Cdk4	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
40581	CG5164	GstE1	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40587	CG5352	SmB	0	0	0	Before Pupal	1											
40611	CG5830	CG5830	0	0	0	Pupal	1											
40613	CG1084	Cont	4	5	9	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	2.0	0.0	0.0	3.0	0.0	0.0
40622	CG2446	CG2446	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	10.0	10.0	0.0	0.0	4.0	0.0	0.0
40625	CG12797	Ciao1	2	4	6	Pupal	0	0.0	1.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
40627	CG7223	htl	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
40631	CG10975	Ptp69D	10	0	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40637	CG7409	CG7409	4	6	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40650	CG2191	CG2191	1	3	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	3.0	0.0	0.0
40670	CG10728	vls	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40675	CG11416	ori	0	3	3	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0
40683	CG17395		7	3	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40691	CG2038	CSN7	1	2	3	Pupal	0	2.0	2.0	2.0	0.0	0.0	1.0	0.0	0.0	3.0	0.0	0.0
40700	CG14818	CG14818	0	0	0	Pupal	1											
40701	CG9865	CG9865	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.3	0.0	0.0	1.0
40702	CG33993	CG33993	2	7	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
40712	CG8470	mRpS30	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
40713	CG8547	CG8547	0	5	5	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40714	CG8547	CG8547	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40715	CG32742	l(1)G0148	7	3	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
40717	CG8722	Nup44A	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
40724	CG8806	prel	6	4	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	3.0	0.0	3.0	0.0	0.0	0.0
40727	CG9004	CG9004	4	4	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
40732	CG9018	CG9018	1	2	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
40734	CG9057	Lsd-2	1	4	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
40735	CG9057	Lsd-2	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
40737	CG9063	CG9063	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	3.0	0.0	0.0	0.0
40738	CG9063	CG9063	2	6	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	2.0	0.0	0.0
40743	CG9493	Pez	0	0	0	Pupal	1											
40770	CG14950	CG14950	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
40789	CG33554	Nipped-A	2	5	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	6.0	0.0	0.0
40790	CG33554	Nipped-A	5	5	10	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
40795	CG17626		10	0	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
40801	CG10082	CG10082	0	0	0	Pupal	1											
40802	CG10082	CG10082	0	0	0	Before Pupal	1											
40811	CG32584	CG32584	10	0	10	Not Lethal	0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40814	CG10491	vn	0	0	0	Pupal	1											
40815	CG10491	vn	0	0	0	Pupal	1											
40823	CG15576	CG15576	1	3	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40836	CG9194	CG9194	10	0	10	Not Lethal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
40837	CG9194	CG9194	7	3	10	Pupal	0	3.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
40852	CG15396	Gr23a	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	10.0
40855	CG3625	CG3625	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
40857	CG9227	tectonic	10	0	10	Not Lethal	0	0.0	0.0	0.1	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
40862	CG4063	ebi	0	0	0	Pupal	1											
40863	CG4063	ebi	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
40877	CG15443	CG15443	10	0	10	Not Lethal	0	0.0	9.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
40882	CG17947	alpha-Cat	0	0	0	Pupal	1											
40884	CG14199	CG14199	0	0	0	Before Pupal	1											
40896	CG7449	hbs	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
40901	CG2519	CG2519	3	1	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40918	CG32848	VAChT	1	6	7	Not Lethal	0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40932	CG6475	CG6475	0	8	8	Pupal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
40936	CG5315	CG5315	0	0	0	Pupal	1											
40946	CG3706	CG3706	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
40964	CG9176	cngl	3	3	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	2.0
40966	CG9089	wus	0	0	0	Before Pupal	1											
40974	CG13743	CG13743	0	0	0	Pupal	1											
40975	CG13743	CG13743	0	0	0	Pupal	1											
40977	CG2249	CG2249	4	6	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
40983	CG31789	CG31789	1	4	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
40991	CG2848	Trn-SR	0	0	0	Pupal	1											
40994	CG2245	l(3)s1921	10	0	10	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40997	CG32297	CG32297	0	0	0	Before Pupal	1											
40998	CG3257	CG3257	3	5	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	0.0
41005	CG4807	ab	0	0	0	Pupal	1											
41015	CG9916	Cyp1	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	1.0	0.0	0.0
41021	CG9433	Xpd	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	3.0	0.0	0.0
41023	CG8019	hay	0	0	0	Before Pupal	1											
41027	CG5949	DNApol-delta	7	3	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	2.0	0.0	0.0
41028	CG5949	DNApol-delta	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
41029	CG12223	Dsp1	0	0	0	Before Pupal	1											
41030	CG1379		0	0	0	Before Pupal	1											
41031	CG1379		0	0	0	Pupal	1											
41034	CG3075	CG3075	0	0	0	Before Pupal	1											
41035	CG9895	CG9895	2	0	2	Not Lethal	0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41036	CG9895	CG9895	7	3	10	Not Lethal	0	0.0	0.0	0.0	3.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
41070	CG1130	scrt	0	0	0	Pupal	1											
41071	CG1130	scrt	0	0	0	Pupal	1											
41079	CG18024	SoxN	0	0	0	Before Pupal	1											
41080	CG18024	SoxN	0	0	0	Before Pupal	1											
41084	CG3658	CDC45L	2	6	8	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	1.0	0.0	7.0	9.0	0.0	0.0
41086	CG11924	Cf2	5	5	10	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	1.0	0.0	4.0	0.0	0.0	0.0
41087	CG11924	Cf2	0	0	0	Before Pupal	1											
41091	CG3726	CG3726	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
41095	CG33261	Trl	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
41098	CG32139	Sox21b	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41099	CG17603	Taf1	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
41105	CG8009	CG8009	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41114	CG3576	Lag1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	7.0
41118	CG33254	CG33254	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
41126	CG8993	CG8993	5	4	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	2.0	0.0	0.0
41134	CG1725	dlg1	0	0	0	Before Pupal	1											
41190	CG7033	CG7033	0	0	0	Before Pupal	1											
41191	CG12233	l(1)G0156	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
41210	CG17797	Acp29AB	2	3	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	3.0	0.0	0.0
41211	CG17797	Acp29AB	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	2.0	0.0	0.0
41220	CG13083	CG13083	0	0	0	Pupal	1											
41221	CG13083	CG13083	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
41223	CG13965	CG13965	0	0	0	Pupal	1											
41228	CG13222	CG13222	0	0	0	Before Pupal	1											
41242	CG12351	deltaTry	2	5	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
41263	CG8483	CG8483	0	2	2	Pupal	0	2.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
41264	CG8483	CG8483	5	4	9	Not Lethal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	1.0	0.0	0.0
41284	CG12763	Dpt	0	0	0	Pupal	1											
41285	CG12763	Dpt	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
41287	CG14972	CG14972	3	6	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	4.0	0.0	0.0
41293	CG12093	CG12093	0	0	0	Before Pupal	1											
41305	CG32334	CG32334	0	0	0	Pupal	1											
41306	CG32334	CG32334	0	0	0	Before Pupal	1											
41318	CG6933	CG6933	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
41319	CG6933	CG6933	0	9	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41364	CG14422	CG14422	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	6.0	0.0	0.0
41384	CG14052	CG14052	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	2.0	0.0	0.0	2.0	0.0	0.0
41391	CG18131	CG18131	0	0	0	Before Pupal	1											
41392	CG18131	CG18131	0	0	0	Before Pupal	1											
41397	CG5953	CG5953	2	7	9	Pupal	0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
41397	CG5953	CG5953	6	4	10	Pupal	0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
41398	CG5953	CG5953	0	0	0	Pupal	1											
41402	CG13746	MrgBP	0	0	0	Before Pupal	1											
41403	CG13746	MrgBP	0	0	0	Before Pupal	1											
41405	CG1882	CG1882	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
41406	CG1882	CG1882	3	5	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
41415	CG12052	lola	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
41427	CG10042	MBD-R2	0	0	0	Pupal	1											
41431	CG4836	CG4836	2	0	2	Before Pupal	0	0.0	0.0	0.0	0.0	10.0	10.0	0.0	0.0	7.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
41432	CG30088	CG30088	1	1	2	Adult	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41435	CG5289	Pros26.4	0	0	0	Pupal	1											
41437	CG5362	CG5362	10	0	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	1.0	0.0	0.0
41438	CG5519	Gbp	0	0	0	Pupal	1											
41440	CG5462	scrib	0	0	0	Pupal	1											
41441	CG5543	CG5543	1	3	4	Pupal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41443	CG4281	CG4281	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
41462	CG10950	CG10950	0	0	0	Pupal	1											
41472	CG11330	cort	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
41489	CG12792	l(2)09851	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
41495	CG13046	CG13046	4	6	10	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
41496	CG13046	CG13046	7	3	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
41499	CG13096	CG13096	1	5	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
41500	CG13137	CG13137	5	5	10	Not Lethal	0	0.0	1.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
41503	CG13144	CG13144	0	0	0	Pupal	1											
41514	CG13913	CG13913	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
41516	CG13922	mRpL46	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
41526	CG14512	CG14512	0	0	0	Pupal	1											
41527	CG14512	CG14512	0	0	0	Pupal	1											
41530	CG14507	CG14507	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
41534	CG1453	Klp10A	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
41551	CG14813	deltaCOP	0	0	0	Before Pupal	1											
41553	CG14814	CG14814	0	0	0	Before Pupal	1											
41559	CG1487	krz	0	0	0	Before Pupal	1											
41562	CG5134	MED9	0	0	0	Pupal	1											
41563	CG5134	MED9	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
41564	CG30290	CG30290	3	7	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
41565	CG30290	CG30290	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	3.0	0.0	0.0	0.0	0.0
41565	CG30290	CG30290	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
41577	CG1516	CG1516	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41584	CG6824	ovo	7	3	10	Not Lethal	0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
41596	CG32632	Tango13	0	0	0	Pupal	1											
41597	CG32632	Tango13	0	0	0	Before Pupal	1											
41599	CG1578	CG1578	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
41600	CG1578	CG1578	5	3	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	2.0	0.0	0.0
41602	CG15797	ric8a	5	3	8	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
41603	CG15797	ric8a	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
41625	CG17168		0	0	0	Pupal	1											
41625	CG17168		1	1	2	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
41627	CG17202	CG17202	0	0	0	Pupal	1											
41628	CG17202	CG17202	0	0	0	Pupal	1											
41631	CG17205		4	1	5	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	6.0	0.0	0.0
41632	CG17205		2	5	7	Not Lethal	0	0.0	0.0	0.0	0.0	6.0	6.0	0.0	0.0	6.0	0.0	0.0
41657	CG17569	gry	8	2	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
41676	CG18672	CG18672	0	10	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41680	CG1874	CG1874	0	0	0	Before Pupal	1											
41681	CG1874	CG1874	0	0	0	Before Pupal	1											
41686	CG1938	Dlic2	0	0	0	Pupal	1											
41693	CG2577	CG2577	0	0	0	Pupal	1											
41708	CG6015	CG6015	0	0	0	Before Pupal	1											
41711	CG4013	Smr	0	0	0	Before Pupal	1											
41714	CG7650	CG7650	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	1.0	0.0
41718	CG7693	fray	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
41719	CG7693	fray	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
41730	CG30366	CG30366	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
41748	CG18743	Hsp70Ab	0	0	0	Pupal	1											
41749	CG18743	Hsp70Ab	0	0	0	Pupal	1											
41762	CG31848	CG31848	0	0	0	Before Pupal	1											
41772	CG31909	CG31909	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41777	CG3203	RpL17	0	0	0	Before Pupal	1											
41778	CG3203	RpL17	0	0	0	Pupal	1											
41779	CG3208	RhoGAP5A	4	4	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	2.0	0.0	0.0
41789	CG32104	CG32104	4	5	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
41792	CG32113	CG32113	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
41800	CG5497	mRpS28	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
41812	CG6702	Cbp53E	4	4	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	1.0	0.0	0.0
41819	CG3358	CG3358	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41838	CG5363	cdc2	2	3	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
41839	CG5363	cdc2	3	3	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
41854	CG6945	CG6945	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	5.0	0.0	0.0
41855	CG6945	CG6945	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
41857	CG7015	Unr	0	1	1	Not Lethal	0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
41858	CG7015	Unr	2	3	5	Not Lethal	0	4.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
41861	CG32149	RhoGAP71E	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
41875	CG32315	dlt	10	0	10	Not Lethal	0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
41876	CG32315	dlt	3	6	9	Not Lethal	0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
41890	CG32389	CG32389	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	2.0
41902	CG33975	CG33975	1	1	2	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
41907	CG32486	CG32486	2	6	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
41908	CG32486	CG32486	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	7.0	0.0	0.0
41912	CG3289	Ptpa	3	4	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0
41923	CG3354	Mst77F	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41924	CG7109	mts	0	0	0	Pupal	1											
41928	CG4938	Aats-ser	0	0	0	Before Pupal	1											
41949	CG3782	mRpL28	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
41950	CG3782	mRpL28	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
41964	CG3820	Nup214	0	0	0	Pupal	1											
41976	CG4165	CG4165	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	4.0	0.0	0.0
41977	CG4165	CG4165	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	5.0	0.0	0.0
41980	CG4180	l(2)35Bg	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
41990	CG32743	Smg1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
42001	CG4802	CG4802	0	0	0	Before Pupal	1											
42002	CG4802	CG4802	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42010	CG4843	Tm2	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	4.0	0.0	0.0
42015	CG4973	CG4973	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42017	CG5018	CG5018	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
42018	CG5018	CG5018	3	6	9	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
42036	CG5451	CG5451	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
42039	CG5590	CG5590	4	3	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	1.0	0.0	0.0
42046	CG5706	CG5706	0	0	0	Before Pupal	1											
42051	CG5851	sds22	2	5	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
42058	CG6294	CG6294	2	2	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
42064	CG6612	Adk3	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	2.0	0.0	0.0
42079	CG7481	RhoGAP18B	1	3	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
42080	CG7481	RhoGAP18B	3	5	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
42090	CG11932		10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
42100	CG32774	CG32774	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	2.0	2.0	0.0	0.0
42101	CG32774	CG32774	0	0	0	Before Pupal	1											
42108	CG31477	CG31477	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
42109	CG31517	CG31517	2	5	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42110	CG8963	CG8963	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	3.0	0.0	0.0
42113	CG5450	Cdlc2	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	5.0	5.0	0.0	0.0
42125	CG8197	CG8197	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	8.0
42126	CG8197	CG8197	3	4	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
42129	CG8200	Flo	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	3.0	1.0	0.0	0.0
42130	CG8200	Flo	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	3.0	1.0	0.0	0.0
42136	CG8443	CG8443	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
42138	CG8443	CG8443	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	10.0
42140	CG8487	garz	0	0	0	Before Pupal	1											
42141	CG8487	garz	0	0	0	Pupal	1											
42149	CG8615	RpL18	0	0	0	Pupal	1											
42153	CG8831	CG8831	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
42154	CG8831	CG8831	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
42171	CG8978	Sop2	1	0	1	Pupal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	1.0	0.0
42172	CG8978	Sop2	1	0	1	Pupal	0	0.0	4.0	1.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
42176	CG8980	NiPp1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
42182	CG8994	exu	9	1	10	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
42184	CG9020	Aats-arg	0	0	0	Pupal	1											
42185	CG9020	Aats-arg	0	0	0	Before Pupal	1											
42198	CG9072	CG9072	0	0	0	Before Pupal	1											

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
42201	CG9075	eIF-4a	0	0	0	Pupal	1											
42202	CG9075	eIF-4a	0	0	0	Before Pupal	1											
42203	CG9088	lid	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
42204	CG9088	lid	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
42211	CG9249	CG9249	9	1	10	Not Lethal	0	0.0	8.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
42217	CG9984	TH1	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
42231	CG5803	Fas3	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0	3.0	0.0	0.0
42234	CG1762	betaInt-nu	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0
42235	CG1762	betaInt-nu	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	0.0
42245	CG10776	wit	7	3	10	Not Lethal	0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42279	CG15345	CG15345	4	1	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
42314	CG18554	CG18554	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0
42327	CG13648	tnc	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
42336	CG32767	CG32767	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
42337	CG32767	CG32767	3	6	9	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	3.0
42342	CG15478	CG15478	10	0	10	Pupal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
42348	CG31618	His2A:CG31618	0	0	0	Before Pupal	1											
42350	CG31618	His2A:CG31618	0	0	0	Before Pupal	1											
42358	CG15649	CG15649	4	6	10	Not Lethal	0	4.0	0.0	0.0	0.0	10.0	0.0	8.0	0.0	0.0	0.0	10.0
42359	CG15649	CG15649	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
42364	CG32275	CG32275	5	3	8	Pupal	0	0.0	0.0	0.0	0.0	10.0	3.0	0.0	6.0	0.0	0.0	0.0
42374	CG13715	CG13715	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
42397	CG11958	Cnx99A	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
42398	CG14406	CG14406	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
42402	CG7637	CG7637	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
42403	CG7637	CG7637	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
42412	CG3712	mRpL33	3	6	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
42413	CG3712	mRpL33	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
42419	CG2998	RpS28b	0	0	0	Before Pupal	1											
42422	CG8013	Su(z)12	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0
42423	CG8013	Su(z)12	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	1.0	1.0
42439	CG8330	tomboy40	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
42441	CG18095	CG18095	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
42445	CG1877	lin19	0	0	0	Pupal	1											
42446	CG18155	CG18155	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
42465	CG9664	CG9664	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42498	CG4775	Tango14	0	0	0	Before Pupal	1											
42499	CG4775	Tango14	0	0	0	Before Pupal	1											
42507	CG8370	CG8370	1	5	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
42520	CG15533	CG15533	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0	1.0	0.0
42535	CG6702	Cbp53E	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	2.0	0.0	0.0
42547	CG13721	CG13721	0	0	0	Before Pupal	1											
42548	CG14181	Use1	0	0	0	Before Pupal	1											
42549	CG14181	Use1	0	0	0	Pupal	1											
42561	CG4109	Syx8	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	0.0
42562	CG4109	Syx8	5	3	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
42579	CG13521	robo	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
42583	CG5535	CG5535	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
42610	CG2666	kkv	0	0	0	Before Pupal	1											
42611	CG2666	kkv	0	0	0	Before Pupal	1											
42616	CG31146	CG31146	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0
42655	CG6231	CG6231	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
42656	CG6231	CG6231	9	1	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
42697	CG3446	CG3446	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
42716	CG5911	ETHR	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42717	CG5911	ETHR	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
42734	CG3164	CG3164	3	0	3	Adult	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42745	CG31932	Gr22f	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42750	CG2969	Atet	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
42751	CG2969	Atet	0	0	0	Pupal	1											
42786	CG5037	CG5037	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
42787	CG5037	CG5037	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
42791	CG6737	CG6737	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	1.0	0.0	0.0
42792	CG6737	CG6737	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	1.0	0.0	0.0	10.0
42799	CG6627	Dnz1	7	3	10	Not Lethal	0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42817	CG4480	CG4480	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42818	CG4480	CG4480	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42840	CG5201	Dad	0	0	0	Before Pupal	1											
42848	CG7793	Sos	8	2	10	Not Lethal	0	2.0	0.0	0.0	0.0	7.0	1.0	0.0	0.0	3.0	0.0	0.0
42849	CG7793	Sos	1	9	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	3.0	0.0	0.0
42851	CG4659	Srp54k	0	0	0	Before Pupal	1											
42852	CG4659	Srp54k	0	0	0	Before Pupal	1											
42869	CG12865	CG12865	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42894	CG1939	CG1939	4	5	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
42915	CG7176	Idh	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0
42924	CG10349	CG10349	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
42947	CG11221	CG11221	0	0	0	Pupal	1											
42976	CG12050	CG12050	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
42978	CG12124	CG12124	6	4	10	Not Lethal	0	0.0	7.0	0.0	0.0	0.0	1.0	0.0	0.0	6.0	0.0	0.0
42984	CG12203	CG12203	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
42988	CG12316	CG12316	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42996	CG1474	Es2	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43002	CG13213	CG13213	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	4.0	0.0	0.0
43004	CG13213	CG13213	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
43011	CG13773	CG13773	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
43014	CG14054	CG14054	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	3.0	0.0	0.0	0.0	0.0	10.0
43021	CG14407	CG14407	10	0	10	Not Lethal	0	0.0	2.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43029	CG14902	decay	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
43056	CG15112	ena	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
43062	CG2140	Cyt-b5	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43065	CG2140	Cyt-b5	0	0	0	Before Pupal	1											
43074	CG32042	PGRP-LA	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43075	CG17697	fz	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0
43077	CG17697	fz	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
43082	CG18803	Psn	2	8	10	Not Lethal	0	0.0	9.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
43083	CG18803	Psn	6	4	10	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
43093	CG7662	veli	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	4.0	0.0	0.0
43094	CG7662	veli	5	3	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	0.0
43112	CG12265	CG12265	8	2	10	Not Lethal	0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
43113	CG12265	CG12265	9	1	10	Not Lethal	0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
43113	CG12265	CG12265	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	2.0	0.0	0.0
43115	CG6998	ctp	2	8	10	Not Lethal	0	0.0	0.0	0.0	3.0	0.0	10.0	0.0	0.0	2.0	0.0	0.0
43116	CG6998	ctp	1	7	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	1.0	0.0	0.0
43118	CG4195	l(3)73Ah	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
43120	CG4195	l(3)73Ah	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
43123	CG12559		10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	2.0	0.0	0.0
43124	CG12559		3	6	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
43128	CG15517	CG15517	1	5	6	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	1.0	0.0	1.0	0.0
43183	CG9140	CG9140	6	4	10	Pupal	0	0.0	2.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
43184	CG9140	CG9140	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	2.0	0.0	0.0
43211	CG12690	CHES-1-like	0	0	0	Before Pupal	1											
43212	CG12690	CHES-1-like	0	0	0	Pupal	1											
43222	CG9297	CG9297	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
43241	CG32383	CG32383	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43267	CG10079	Egfr	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	1.0	0.0	0.0
43268	CG10079	Egfr	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	2.0	0.0	3.0
43306	CG31605	Bsg	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
43307	CG31605	Bsg	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
43325	CG14575	capaR	0	0	0	Before Pupal	1											
43342	CG30480	CG30480	4	6	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
43343	CG30480	CG30480	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	6.0	0.0	0.0	0.0
43344	CG13567	CG13567	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
43370	CG11446		0	2	2	Pupal	0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
43378	CG12459		0	0	0	Pupal	1											
43379	CG12459		4	3	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	0.0
43382	CG2069	Oseg4	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
43386	CG12026	CG12026	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43402	CG15330	CG15330	3	7	10	Not Lethal	0	2.0	2.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
43406	CG15609	CG15609	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	7.0	0.0	0.0
43407	CG15609	CG15609	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
43408	CG15824	CG15824	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0
43412	CG16708	CG16708	7	3	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
43413	CG16708	CG16708	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
43414	CG18112	Vps16B	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
43415	CG18112	Vps16B	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43426	CG31223	CG31223	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
43427	CG31223	CG31223	6	3	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
43430	CG31389	CG31389	10	0	10	Pupal	0	2.0	0.0	1.0	0.0	5.0	0.0	0.0	0.0	5.0	0.0	0.0
43431	CG31389	CG31389	0	0	0	Pupal	1											
43436	CG3760	CG3760	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
43437	CG3760	CG3760	1	9	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0
43449	CG5213	CG5213	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
43450	CG5213	CG5213	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
43456	CG14706		8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0
43457	CG14706		8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	10.0
43459	CG8222	Pvr	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0
43461	CG8222	Pvr	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	4.0	0.0	0.0
43463	CG13047	CG13047	0	0	0	Pupal	1											
43497	CG2970	CG2970	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
43498	CG2970	CG2970	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
43502	CG9160	mtacp1	7	3	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
43503	CG9160	mtacp1	4	6	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	4.0	0.0	0.0	4.0	0.0	0.0
43528	CG12267	CG12267	0	0	0	Pupal	1											
43530	CG11030	CG11030	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
43533	CG8786	CG8786	8	2	10	Pupal	0	0.0	0.0	0.0	0.0	6.0	4.0	0.0	0.0	0.0	0.0	0.0
43534	CG12847	Tsp42Ec	7	3	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43588	CG14549	Sid5	5	5	10	Not Lethal	0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
43594	CG14785	CG14785	0	4	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
43595	CG14835	CG14835	10	0	10	Pupal	0	0.0	2.0	0.0	0.0	0.0	1.0	0.0	0.0	7.0	0.0	0.0
43601	CG14896	CG14896	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
43621	CG15033	CheA7a	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
43622	CG2849	Rala	0	0	0	Pupal	1											
43623	CG2849	Rala	0	0	0	Pupal	1											
43626	CG2168	RpS3A	0	0	0	Before Pupal	1											
43627	CG2168	RpS3A	0	0	0	Before Pupal	1											
43629	CG17762	tomosyn	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	4.0
43630	CG17762	tomosyn	3	3	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
43634	CG6027	cdi	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	8.0
43639	CG17461	Kif3C	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43645	CG18398	Tango6	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
43647	CG18398	Tango6	0	0	0	Pupal	1											
43649	CG7668	CG7668	0	1	1	Pupal	0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	1.0	3.0
43650	CG32099	eap	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
43650	CG32099	eap	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
43660	CG32717	sdt	0	0	0	Pupal	1											
43678	CG15488	CG15488	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43689	CG15771	CG15771	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
43691	CG15871	mRpL38	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	1.0	0.0	0.0
43692	CG15871	mRpL38	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
43699	CG32521	CG32521	0	0	0	Pupal	1											
43700	CG32521	CG32521	0	0	0	Pupal	1											
43705	CG18495	Prosalpha6	0	0	0	Before Pupal	1											
43714	CG2072	TXBP181-like	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
43740	CG31249	CG31249	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	4.0	0.0	0.0
43741	CG31627	CG31627	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43751	CG3298	Jhl-1	1	2	3	Not Lethal	0	0.0	9.0	0.0	0.0	0.0	1.0	0.0	0.0	5.0	0.0	0.0
43752	CG3298	Jhl-1	1	3	4	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	6.0	0.0	0.0	5.0	0.0	0.0
43758	CG3313	CG3313	1	2	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43760	CG3314	RpL7A	0	0	0	Pupal	1											
43763	CG3365	drongo	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
43768	CG3496	vir	0	5	5	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	5.0	0.0	0.0
43777	CG3571	CG3571	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	2.0	0.0	0.0
43779	CG32793	CG32793	0	6	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
43784	CG4527	slik	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
43790	CG5405	KrT95D	0	2	2	Adult	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	3.0	0.0	1.0	0.0
43796	CG5428	CG5428	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	0.0	0.0
43800	CG6363	MRG15	0	0	0	Pupal	1											
43804	CG6486	CG6486	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
43805	CG6486	CG6486	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
43808	CG3569	Or59b	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	1.0	0.0	0.0
43809	CG3569	Or59b	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	4.0	0.0	0.0
43822	CG7367	CG7367	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0
43841	CG1693	tty	7	3	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43848	CG13586	Itp	7	3	10	Not Lethal	0	4.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
43856	CG13329	cid	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	8.0	0.0	0.0
43857	CG13329	cid	1	6	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	8.0	0.0	0.0
43858	CG5069	croc	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	7.0
43860	CG5069	croc	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
43866	CG4257	Stat92E	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
43869	CG12690	CHES-1-like	0	0	0	Pupal	1											
43870	CG7108	DNApol-alpha50	0	0	0	Before Pupal	1											
43880	CG30023	sprt	2	6	8	Pupal	0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
43885	CG9688	mRpS18C	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
43887	CG9688	mRpS18C	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
43909	CG7260	byn	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
43917	CG8190	eIF2B-gamma	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
43927	CG7724	CG7724	0	0	0	Before Pupal	1											
43929	CG32227	CG32227	9	1	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
43934	CG3924	Chi	1	2	3	Pupal	0	3.0	0.0	0.0	0.0	0.0	2.0	0.0	9.0	0.0	0.0	0.0
43939	CG3743	MTF-1	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	1.0	2.0
43943	CG1965	CG1965	0	0	0	Pupal	1											
43944	CG1965	CG1965	0	0	0	Before Pupal	1											
43950	CG2684	lds	4	6	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	2.0	0.0	0.0
43952	CG8121	CG8121	0	0	0	Pupal	1											
43953	CG8121	CG8121	0	0	0	Before Pupal	1											
43955	CG1412	RhoGAP19D	0	3	3	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	4.0	0.0	0.0
43975	CG18417	CG18417	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	2.0	0.0	0.0
43977	CG1970	CG1970	7	3	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	5.0	0.0	0.0	2.0	0.0	0.0
43991	CG33264	Or69a	10	0	10	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43998	CG6335	Aats-his	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44024	CG7957	MED17	0	0	0	Before Pupal	1											
44030	CG7833	Orc5	0	10	10	Not Lethal	0	0.0	8.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
44038	CG2150	CG2150	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	2.0	0.0	0.0
44039	CG6131	CG6131	0	0	0	Pupal	1											
44046	CG12366	O-fut1	7	3	10	Not Lethal	0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44064	CG14624	CG14624	7	3	10	Not Lethal	0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
44065	CG14624	CG14624	8	2	10	Pupal	0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
44093	CG11606	Rpp30	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
44103	CG10126	CG10126	0	0	0	Pupal	1											
44104	CG10126	CG10126	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44108	CG33056	CG33056	10	0	10	Not Lethal	0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44114	CG11722	CG11722	4	2	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
44115	CG10228	Pcf11	8	2	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
44117	CG11967	CG11967	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	0.0	2.1	0.0	0.0
44124	CG32499	CG32499	5	4	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0
44125	CG32499	CG32499	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0
44143	CG12592	CG12592	2	4	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	3.0	0.0	6.0
44144	CG32694	CG32694	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
44145	CG32694	CG32694	0	0	0	Pupal	1											
44146	CG12752	Nxt1	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
44155	CG3210	Drp1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
44157	CG33969	CG33969	0	0	0	Before Pupal	1											
44171	CG32335	CG32335	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
44172	CG32335	CG32335	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44197	CG2813	CG2813	10	0	10	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
44198	CG2813	CG2813	0	4	4	Pupal	0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44210	CG10908	CG10908	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
44211	CG10908	CG10908	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
44221	CG14020	CG14020	6	4	10	Not Lethal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
44225	CG31648	CG31648	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
44226	CG31648	CG31648	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
44232	CG11567	Cpr	0	0	0	Pupal	1											
44249	CG13116	CG13116	10	0	10	Pupal	0	2.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	3.0	0.0	0.0
44256	CG31813	CG31813	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0
44287	CG9033	Tsp47F	9	1	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
44288	CG9033	Tsp47F	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	5.0	0.0	0.0
44302	CG9815	CG9815	10	0	10	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
44306	CG6851	Mtch	1	9	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
44322	CG5589	CG5589	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	6.0	0.0	0.0
44325	CG5651	CG5651	0	0	0	Before Pupal	1											
44327	CG6412	CG6412	1	5	6	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
44333	CG7435	Arf84F	8	2	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
44334	CG7435	Arf84F	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
44337	CG7765	Khc	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
44338	CG7765	Khc	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
44340	CG16820	CG16820	8	2	10	Not Lethal	0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
44343	CG4817	Ssrp	0	0	0	Pupal	1											
44344	CG4817	Ssrp	0	3	3	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
44362	CG9131	slmo	1	7	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	3.0	0.0	0.0
44363	CG9131	slmo	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	5.0	0.0	0.0
44366	CG9187	Psf1	6	4	10	Not Lethal	0	0.0	8.0	0.0	0.0	0.0	2.0	0.0	0.0	4.0	0.0	0.0
44367	CG9187	Psf1	0	10	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	3.0	0.0	0.0	4.0	0.0	0.0
44374	CG32666	CG32666	8	2	10	Not Lethal	0	2.1	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0
44376	CG9128	Sac1	0	0	0	Pupal	1											
44377	CG33523	CG33523	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
44401	CG4073	CG4073	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44402	CG4073	CG4073	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44409	CG31208	Gr92a	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44441	CG17035	GXIVsPLA2	8	2	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	0.0
44443	CG17035	GXIVsPLA2	4	6	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	4.0	0.0	0.0
44446	CG1742	Mgstl	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	3.0	0.0	0.0
44465	CG10756	Taf13	7	3	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
44470	CG8667	dimm	0	0	0	Pupal	1											
44475	CG13350	CG13350	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
44484	CG1616	dpa	5	5	10	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	1.0	0.0	0.0	5.0	0.0	0.0
44487	CG3161	Vha16	3	6	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
44490	CG14724	CoVa	6	4	10	Pupal	0	0.0	2.0	0.0	0.0	5.0	2.0	0.0	0.0	5.0	0.0	0.0
44501	CG11509	CG11509	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
44502	CG11509	CG11509	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
44510	CG1422	p115	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	3.0	0.0	0.0
44511	CG1422	p115	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	2.0	0.0	0.0
44526	CG4832	cnn	0	8	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44527	CG17579	sca	9	1	10	Not Lethal	0	0.0	0.0	0.0	2.0	0.0	6.0	4.0	0.0	2.0	0.0	0.0
44528	CG17579	sca	0	9	9	Pupal	0	0.0	0.0	1.0	3.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
44535	CG4780	CG4780	7	3	10	Pupal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	7.0	0.0	0.0
44544	CG1151	Osi6	0	0	0	Before Pupal	1											
44545	CG1151	Osi6	0	0	0	Before Pupal	1											
44548	CG10101	CG10101	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	4.0	0.0	3.0	0.0	0.0	0.0
44554	CG15888	CG15888	0	0	0	Before Pupal	1											
44564	CG6217	knk	0	0	0	Pupal	1											
44565	CG6217	knk	0	0	0	Pupal	1											
44575	CG3837	CG3837	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
44576	CG3837	CG3837	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	5.0	0.0	0.0
44586	CG14424	CG14424	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	5.0	3.0	0.0	0.0
44588	CG12275	RpS10a	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
44589	CG12275	RpS10a	0	0	0	Pupal	1											
44594	CG11451	CG11451	0	0	0	Pupal	1											
44595	CG7670	CG7670	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44603	CG6778	Aats-gly	0	0	0	Before Pupal	1											
44606	CG6778	Aats-gly	0	0	0	Before Pupal	1											
44607	CG14895	Pak3	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
44629	CG6253	RpL14	0	0	0	Before Pupal	1											
44630	CG7424	RpL36A	0	0	0	Before Pupal	1											
44631	CG7424	RpL36A	0	0	0	Pupal	1											
44646	CG9298	CG9298	0	0	0	Pupal	1											
44647	CG9314	CG9314	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
44649	CG9330	CG9330	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
44675	CG9484	hyd	0	1	1	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
44676	CG9484	hyd	0	0	0	Pupal	1											
44693	CG9576	CG9576	4	3	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
44695	CG9591	omd	0	0	0	Pupal	1											
44696	CG9591	omd	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
44704	CG7121	Tehao	6	4	10	Pupal	0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
44710	CG16765	ps	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0
44713	CG5430	a5	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44716	CG10052	Rx	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
44717	CG10052	Rx	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0
44721	CG7143	DNApol-eta	2	0	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
44722	CG7143	DNApol-eta	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
44731	CG33139	Ranbp11	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0
44737	CG1776	CG1776	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	5.0	0.0	0.0
44747	CG30182	CG30182	0	2	2	Adult	0	0.0	9.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
44748	CG30182	CG30182	0	0	0	Before Pupal	1											
44781	CG33554	Nipped-A	0	0	0	Pupal	1											
44783	CG2682	d4	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44792	CG13847	CG13847	1	6	7	Not Lethal	0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44796	CG13744	CG13744	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44810	CG10139	CG10139	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	10.0	0.0	0.0	0.0	1.0	4.0
44829	CG8711	cul-4	2	0	2	Pupal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
44834	CG4274	fzy	1	7	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	3.0	0.0	0.0
44837	CG1857	nec	0	0	0	Before Pupal	1											
44881	CG6583	CG6583	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
44882	CG32972	CG32972	0	0	0	Before Pupal	1											
44885	CG9623	lf	0	3	3	Pupal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44895	CG5099	msi	10	0	10	Not Lethal	0	0.0	0.0	1.0	8.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
44904	CG18543	mtrm	0	0	0	Pupal	1											
44911	CG6437	GlcT-1	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44912	CG6437	GlcT-1	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	2.0	0.0	0.0
44929	CG10624	sinu	6	4	10	Pupal	0	0.0	3.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	2.0
44934	CG1380	sut4	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
44942	CG31321	CG31321	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	2.0	0.0	0.0	0.0	0.0	0.0
44944	CG30095	CG30095	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0
44952	CG15212	CG15212	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
44964	CG1161	CG1161	0	0	0	Pupal	1											
44965	CG1161	CG1161	0	0	0	Before Pupal	1											
44974	CG7769	DDB1	0	0	0	Pupal	1											
44976	CG7769	DDB1	0	0	0	Pupal	1											
44984	CG9323	CG9323	0	0	0	Before Pupal	1											
45000	CG2109	mRpL44	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
45005	CG10746	fok	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
45012	CG10868	orb	8	2	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	8.0	0.0	0.0
45013	CG10954	Arc-p34	5	0	5	Pupal	0	4.0	1.0	0.0	0.0	0.0	2.0	0.0	0.0	5.0	0.0	0.0
45020	CG6022	CG6022	6	4	10	Not Lethal	0	0.0	6.0	0.0	0.0	0.0	2.0	0.0	0.0	5.0	0.0	0.0
45021	CG6022	CG6022	4	5	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	5.0	0.0	0.0
45027	CG5605	eRF1	0	0	0	Before Pupal	1											
45032	CG2095	CG2095	0	0	0	Pupal	1											
45037	CG17840	CG17840	4	5	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
45038	CG17840	CG17840	2	5	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
45039	CG32779	CG32779	4	5	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
45040	CG2899	ksr	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
45041	CG2899	ksr	0	0	0	Pupal	1											
45048	CG7479	Aats-leu	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	2.0	3.0	0.0	0.0	0.0	0.0	0.0
45069	CG15532	hdc	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0
45071	CG15340		4	2	6	Not Lethal	0	3.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
45089	CG17304	CG17304	0	0	0	Pupal	1											
45091	CG10583	Sse	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
45092	CG10583	Sse	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
45098	CG10479	CG10479	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
45130	CG3434	CG3434	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
45151	CG10883	CG10883	0	0	0	Before Pupal	1											

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
45152	CG10883	CG10883	0	0	0	Before Pupal	1											
45153	CG10883	CG10883	0	0	0	Before Pupal	1											
45154	CG10883	CG10883	0	0	0	Pupal	1											
45155	CG5862	CG5862	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
45167	CG12664	Id14	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	6.0	0.0	0.0
45168	CG12664	Id14	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	2.0	0.0	0.0
45169	CG12664	Id14	0	0	0	Pupal	1											
45170	CG12664	Id14	2	8	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	2.0	0.0	0.0
45171	CG9022	Ost48	0	0	0	Pupal	1											
45173	CG9022	Ost48	0	0	0	Pupal	1											
45177	CG1683	Ant2	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
45186	CG13004	CG13004	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0	0.0
45187	CG13004	CG13004	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
45202	CG12656	CG12656	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
45203	CG12656	CG12656	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
45211	CG17680	CG17680	0	0	0	Before Pupal	1											
45227	CG3204	Rap2l	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	5.0	0.0	0.0
45248	CG5148	CG5148	4	6	10	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	1.0	0.0	0.0	7.0	0.0	0.0
45249	CG5148	CG5148	8	2	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	3.0	0.0	0.0	8.0	0.0	0.0
45257	CG8260	CG8260	0	6	6	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
45261	CG11265	CG11265	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
45264	CG9726	PH4alphaMP	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
45265	CG13913	CG13913	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
45278	CG3689	CG3689	10	0	10	Pupal	0	0.0	0.0	0.0	7.0	7.0	3.0	0.0	0.0	2.0	0.0	0.0
45280	CG3689	CG3689	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
45281	CG3689	CG3689	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
45290	CG31931	Gr22b	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45310	CG33302	CG33302	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	7.0	7.0	0.0	0.0	3.0	0.0	0.0
45339	CG4982	CG4982	4	1	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
45340	CG4982	CG4982	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
45349	CG32611	CG32611	0	0	0	Pupal	1											
45368	CG10535	CG10535	5	3	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
45369	CG10535	CG10535	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
45370	CG10572	Cdk8	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	2.0
45371	CG10572	Cdk8	0	8	8	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	2.0
45374	CG1088	Vha26	0	0	0	Pupal	1											
45377	CG1088	Vha26	0	0	0	Pupal	1											
45384	CG11141	CG11141	0	5	5	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	2.0
45402	CG12298	sub	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
45407	CG13662		10	0	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45414	CG14011	CG14011	4	6	10	Pupal	0	4.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	5.0	0.0	0.0
45415	CG14080	Mkp3	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	10.0
45426	CG7726	RpL11	0	0	0	Before Pupal	1											
45459	CG32315	dlt	10	0	10	Not Lethal	0	0.0	8.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
45461	CG3557	CG3557	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45462	CG5590	CG5590	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	1.0	0.0	0.0	0.0
45463	CG1874	CG1874	0	0	0	Pupal	1											
45481	CG13606	CG13606	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0
45483	CG8404	Sox15	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
45493	CG10757	mRpS18B	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
45494	CG10757	mRpS18B	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	4.0	0.0	0.0
45506	CG9868	Prosbeta5R1	4	4	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
45524	CG4617	CG4617	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	0.0
45526	CG4617	CG4617	6	3	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
45531	CG4800	Tctp	7	3	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	0.0
45532	CG4800	Tctp	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	3.0	0.0	0.0
45542	CG5219	mRpL15	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0
45543	CG5219	mRpL15	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
45544	CG5219	mRpL15	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
45545	CG5219	mRpL15	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
45546	CG5222	CG5222	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
45550	CG5360	CG5360	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
45551	CG5360	CG5360	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
45552	CG5360	CG5360	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
45553	CG5360	CG5360	7	2	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
45554	CG5466	CG5466	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
45555	CG5467	CG5467	0	0	0	Pupal	1											
45556	CG5467	CG5467	5	3	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
45562	CG5516	CG5516	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0
45563	CG5516	CG5516	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
45569	CG5608	CG5608	6	4	10	Not Lethal	0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45570	CG5625	CG5625	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	3.0
45571	CG6341	Ef1beta	0	0	0	Pupal	1											
45572	CG6410	CG6410	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
45575	CG6410	CG6410	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
45582	CG7421	Nopp140	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
45583	CG7421	Nopp140	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
45596	CG8937	Hsc70-1	7	3	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45606	CR31625	snRNA:U4:39B	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
45613	CG8431	Aats-cys	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
45618	CG8873	CG8873	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45635	CG6944	Lam	4	4	8	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	2.0	0.0	0.0	3.0	0.0	0.0
45636	CG6944	Lam	0	10	10	Not Lethal	0	0.0	7.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
45648	CG6479	CG6479	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	2.0	0.0	1.0	3.0
45652	CG32047		6	4	10	Pupal	0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
45655	CG16756	CG16756	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	0.0	1.0	0.0
45665	CG15185	CG15185	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45670	CG17779		10	0	10	Not Lethal	0	7.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45678	CG5859	CG5859	0	0	0	Pupal	1											
45686	CG9932	CG9932	0	6	6	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	1.0	0.0	0.0	0.0
45687	CG9932	CG9932	0	7	7	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	1.0	0.0	0.0	0.0
45688	CG3331	e	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
45689	CG3331	e	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
45715	CG7787	CG7787	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45744	CG12131	Adam	3	2	5	Pupal	0	0.0	2.0	0.0	0.0	0.0	1.0	0.0	0.0	7.0	0.0	0.0
45745	CG12131	Adam	0	0	0	Pupal	1											
45751	CG1162	CG1162	0	0	0	Before Pupal	1											
45752	CG1162	CG1162	7	3	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
45755	CG13588	CG13588	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	2.0	0.0	0.0
45756	CG13588	CG13588	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	4.0	0.0	0.0	0.0
45758	CG1240	CG1240	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	2.0	0.0	0.0
45759	CG9924	CG9924	0	0	0	Pupal	1											
45761	CG9924	CG9924	3	3	6	Pupal	0	2.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
45772	CG31992	gw	10	0	10	Pupal	0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0	7.0	0.0	0.0
45773	CG31992	gw	0	4	4	Pupal	0	0.0	3.0	0.0	0.0	0.0	2.0	0.0	0.0	5.0	0.0	0.0
45775	CG4166	not	0	0	0	Before Pupal	1											
45776	CG4166	not	0	0	0	Pupal	1											
45793	CG13611	CG13611	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	0.0
45828	CG8200	Flo	3	6	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	3.0	3.0	0.0	0.0
45838	CG32025	desert	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45840	CG31344	CG31344	3	1	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
45852	CG1705	Rst(1)JH	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45853	CG1705	Rst(1)JH	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45855	CG18389	Eip93F	6	3	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
45856	CG18389	Eip93F	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	6.0	6.0	0.0	0.0	2.0	0.0	6.0
45858	CG18389	Eip93F	0	8	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	3.0	0.0	7.0
45868	CG31771	CG31771	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
45891	CG14015	CG14015	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	3.0
45895	CG13796	CG13796	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0
45897	CG5427	Oatp33Ea	0	0	0	Before Pupal	1											
45927	CG9163	mmd	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
45932	CG31482	CG31482	2	6	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
45935	CG9813	CG9813	7	3	10	Not Lethal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
45941	CG9022	Ost48	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
45947	CG4982	CG4982	2	0	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
45954	CG6725	Sulf1	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
45955	CG7704	Taf5	0	0	0	Pupal	1											
45957	CG7704	Taf5	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
45959	CG3180	RpII140	0	0	0	Pupal	1											
45960	CG3180	RpII140	0	1	1	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	3.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
45961	CG15552	Sox100B	0	0	0	Pupal	1											
45975	CG11177	BthD	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
45988	CG8743	CG8743	1	2	3	Pupal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
45989	CG8743	CG8743	4	6	10	Not Lethal	0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45993	CG11289	CG11289	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	3.0
46003	CG14151	CG14151	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
46012	CG7347	mus304	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0
46014	CG10491	vn	0	0	0	Before Pupal	1											
46019	CG1394	CG1394	0	0	0	Pupal	1											
46020	CG1394	CG1394	0	0	0	Pupal	1											
46029	CG8649	Fim	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46031	CG18041	CG18041	0	0	0	Pupal	1											
46033	CG18041	CG18041	0	0	0	Pupal	1											
46043	CG18582	mbt	3	5	8	Pupal	0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
46044	CG18582	mbt	0	6	6	Pupal	0	5.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	3.0	0.0	0.0
46057	CG31790	CG31790	0	4	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
46065	CG6547	mRpL37	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	3.0	0.0	0.0
46066	CG6547	mRpL37	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	0.0
46103	CG6299	CG6299	7	3	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
46117	CG1664	sbr	0	0	0	Pupal	1											
46119	CG9470	MtnA	7	3	10	Not Lethal	0	0.0	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46134	CG1258	pav	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
46150	CG7085	l(2)s5379	0	0	0	Pupal	1											
46151	CG7085	l(2)s5379	0	0	0	Pupal	1											
46165	CG3460	Nmd3	2	0	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
46169	CG4951	CG4951	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	1.0	0.0
46184	CG14910	CG14910	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
46194	CG11768	CG11768	2	4	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46199	CG4659	Srp54k	0	0	0	Before Pupal	1											
46200	CG7146	CG7146	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	8.0	0.0	0.0	2.0	0.0	2.0
46220	CG10635	CG10635	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
46234	CG6509	CG6509	8	2	10	Not Lethal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
46244	CG10095	dpr15	0	1	1	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	1.0	4.0
46245	CG10095	dpr15	3	0	3	Pupal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0
46279	CG3333	Nop60B	1	8	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
46284	CG15772	CG15772	2	2	4	Pupal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
46290	CG13567	CG13567	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
46349	CG6294	CG6294	0	7	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
46350	CG1891	sax	5	5	10	Not Lethal	0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46374	CG3782	mRpL28	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
46376	CG2221	l(1)G0289	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0
46385	CG10166	CG10166	0	0	0	Pupal	1											
46395	CG12403	Vha68-1	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
46397	CG12403	Vha68-1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	9.0
46415	CG32771	CG32771	0	0	0	Before Pupal	1											
46416	CG32771	CG32771	0	0	0	Before Pupal	1											
46424	CG32781	CG32781	0	0	0	Pupal	1											
46426	CG32782	tlk	0	0	0	Pupal	1											
46427	CG32802	CG32802	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
46429	CG32830	CG32830	0	0	0	Before Pupal	1											
46430	CG32830	CG32830	0	0	0	Before Pupal	1											
46440	CG33002	mRpL27	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
46474	CG14214	Sec61gamma	0	0	0	Pupal	1											
46495	CG14991	Flt1	0	0	0	Pupal	1											
46499	CG1030	Scr	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	1.0	0.0
46500	CG1030	Scr	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0
46513	CG6746	CG6746	0	0	0	Before Pupal	1											
46521	CG10667	Orc1	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	1.0	7.0	0.0	0.0
46534	CG15321	CG15321	0	0	0	Pupal	1											
46535	CG15321	CG15321	0	0	0	Pupal	1											
46537	CG15628	CG15628	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
46544	CG1519	Prosalpha7	0	0	0	Pupal	1											
46545	CG1519	Prosalpha7	0	0	0	Before Pupal	1											
46553	CG17369	Vha55	0	0	0	Pupal	1											
46554	CG17369	Vha55	0	0	0	Pupal	1											
46563	CG8048	Vha44	0	0	0	Pupal	1											
46572	CG5317	CG5317	0	0	0	Pupal	1											
46580	CG9850	CG9850	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	4.0	0.0	0.0	4.0	0.0	0.0
46585	CG9911	CG9911	10	0	10	Not Lethal	0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46586	CG9911	CG9911	10	0	10	Not Lethal	0	7.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
46605	CG16983	skpA	0	0	0	Pupal	1											
46619	CG14625	CG14625	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
46622	CG14300	CG14300	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
46645	CG32346	E(bx)	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	1.0	0.0
46646	CG32534	CG32534	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0
46674	CG4013	Smr	0	0	0	Before Pupal	1											
46675	CG4013	Smr	0	0	0	Pupal	1											
46685	CG3696	kis	10	0	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	2.0	0.0	0.0	5.0	0.0	0.0
46688	CG4207	bonsai	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	5.0	0.0	0.0
46702	CG8886	l(2)05714	6	4	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
46715	CG11567	Cpr	0	0	0	Before Pupal	1											
46724	CG10933	CG10933	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0
46726	CG10933	CG10933	10	0	10	Not Lethal	0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
46727	CG10933	CG10933	0	0	0	Pupal	1											
46728	CG11593	CG11593	0	0	0	Pupal	1											
46729	CG11593	CG11593	0	0	0	Pupal	1											
46741	CG14358	CG14358	0	0	0	Before Pupal	1											
46750	CG3526	CG3526	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46757	CG3977	Ctr1A	0	0	0	Pupal	1											
46758	CG3977	Ctr1A	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	8.0	0.0	0.0	0.0	0.0	0.0
46764	CG3321	CG3321	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	8.0	0.0	0.0	4.0	0.0	0.0
46770	CG32223	CG32223	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	1.0	0.0	9.0
46785	CG11129	Yp3	3	4	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
46787	CG11129	Yp3	2	5	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	7.0	0.0	0.0
46797	CG3683	CG3683	10	0	10	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	2.0	0.0	0.0	3.0	0.0	0.0
46799	CG3683	CG3683	1	7	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
46803	CG1489	Pros45	0	0	0	Pupal	1											
46830	CG31364		1	2	3	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
46838	CG33970	CG33970	0	0	0	Before Pupal	1											
46855	CG4696	Mp20	10	0	10	Not Lethal	0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
46877	CG17268	Pros28.1A	0	0	0	Pupal	1											
46902	CG14230	CG14230	0	3	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
46909	CG10279	Rm62	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
46913	CG7802	CG7802	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
46916	CG14886	Gyc-89Db	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	6.0	0.0	0.0
46927	CG2013	UbcD6	0	0	0	Pupal	1											
46959	CG8129	CG8129	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46962	CG7662	veli	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	2.0	0.0	0.0
46963	CG7662	veli	10	0	10	Not Lethal	0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46977	CG1989	Yippee	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
47000	CG8593	qm	10	0	10	Pupal	0	0.0	6.0	0.0	0.0	0.0	1.0	0.0	0.0	3.0	0.0	0.0
47042	CG14148	CG14148	0	0	0	Pupal	1											
47050	CG11674	CG11674	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
47073	CG9126	Stim	10	0	10	Not Lethal	0	0.0	5.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47074	CG9126	Stim	0	10	10	Not Lethal	0	0.0	5.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47087	CG11267	CG11267	1	6	7	Pupal	0	0.0	3.0	0.0	0.0	0.0	1.0	0.0	0.0	6.0	0.0	0.0
47110	CG32629	CG32629	3	7	10	Pupal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	2.0	0.0	8.0
47111	CG32629	CG32629	9	1	10	Pupal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	3.0	0.0	0.0
47116	CG5969	CG5969	3	1	4	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
47121	CG32239	Gef64C	9	1	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
47126	CG3849	Lasp	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
47127	CG3849	Lasp	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
47128	CG8756	LCBP1	0	0	0	Pupal	1											
47136	CG9521	CG9521	0	0	0	Pupal	1											
47140	CG6196	CG6196	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
47142	CG5887	desat1	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47143	CG3918	CG3918	0	0	0	Pupal	1											
47144	CG3918	CG3918	0	0	0	Pupal	1											
47145	CG5436	Hsp68	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
47146	CG5436	Hsp68	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
47154	CG4109	Syx8	4	2	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
47155	CG4453	Nup153	0	0	0	Before Pupal	1											
47160	CG7038	mRpL30	2	3	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	3.0	0.0	0.0
47180	CG4531	argos	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
47182	CG10037	vvl	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
47187	CG7007	VhaPPA1-1	0	0	0	Pupal	1											
47188	CG7007	VhaPPA1-1	1	3	4	Pupal	0	2.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	7.0	0.0	0.0
47213	CG3819	CG3819	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0
47225	CG4875	CG4875	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
47235	CG13484	CG13484	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47256	CG12276	Aos1	0	0	0	Pupal	1											
47257	CG12276	Aos1	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
47262	CG9453	Spn4	0	0	0	Before Pupal	1											
47298	CG1915	sls	2	5	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
47300	CG1915	sls	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
47301	CG1915	sls	9	1	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
47306	CG2151	Trxr-1	0	0	0	Pupal	1											
47314	CG7615	fig	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47349	CG12875	CG12875	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
47367	CG17378	CG17378	1	1	2	Pupal	0	0.0	0.0	0.0	0.0	2.0	1.0	0.0	0.0	8.0	0.0	0.0
47370	CG17378	CG17378	0	0	0	Pupal	1											
47376	CG11158	CG11158	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
47383	CG8396	Ssb-c31a	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0
47391	CG10414	CG10414	0	0	0	Pupal	1											
47392	CG10628	CG10628	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
47397	CG11126	CG11126	10	0	10	Not Lethal	0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47401	CG11859	CG11859	0	4	4	Pupal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
47402	CG11859	CG11859	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
47403	CG12007	CG12007	0	0	0	Before Pupal	1											
47408	CG12030	CG12030	0	0	0	Pupal	1											
47409	CG12030	CG12030	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	1.0	0.0	0.0
47431	CG12743	otu	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47436	CG1341	Rpt1	0	0	0	Pupal	1											
47438	CG13807	CG13807	10	0	10	Not Lethal	0	0.0	7.0	0.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0
47440	CG13807	CG13807	10	0	10	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
47450	CG14224	CG14224	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	2.0	0.0	1.0	2.0
47463	CG33514	CG33514	1	8	9	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47471	CG17332	VhaSFD	0	0	0	Pupal	1											
47523	CG9000	CG9000	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
47527	CG15117	CG15117	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	3.0	3.0	0.0	0.0
47530	CG15117	CG15117	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
47554	CG31424	CG31424	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
47568	CG8664	CG8664	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
47643	CG9249	CG9249	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
47663	CG7288	CG7288	0	0	0	Pupal	1											
47666	CG10491	vn	0	0	0	Pupal	1											
47681	CG5326	CG5326	1	2	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
47691	CG6819	mbo	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
47692	CG6819	mbo	0	0	0	Pupal	1											
47742	CG8439	Cct5	0	0	0	Before Pupal	1											
47745	CG8542	Hsc70-5	0	0	0	Pupal	1											
47759	CG9412	rin	0	0	0	Pupal	1											
47771	CG12199	kek5	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	1.0	2.0
47776	CG12019	Cdc37	0	0	0	Pupal	1											
47778	CG17078	CG17078	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
47811	CG32832	CG32832	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.9
47828	CG33277	CG33277	0	2	2	Pupal	0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
47834	CG33324	CG33324	0	3	3	Pupal	0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
47835	CG33324	CG33324	1	8	9	Pupal	0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
47836	CG33330	CG33330	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47846	CG15304	Neb-cGP	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47860	CG10579	Eip63E	1	6	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0
47864	CG6205	por	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
47885	CG31630	CG31630	9	1	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	4.0	0.0	0.0
47897	CG14232	CG14232	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
47901	CG17385	CG17385	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
47906	CG3318	Dat	0	0	0	Before Pupal	1											
47915	CG32531	mRpS14	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
47921	CG13521	robo	2	8	10	Pupal	0	0.0	0.0	0.0	0.0	4.0	1.0	0.0	0.0	6.0	0.0	0.0
47988	CG7654	Tom20	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	4.0	0.0	0.0
47989	CG7654	Tom20	7	3	10	Pupal	0	0.0	4.0	0.0	0.0	0.0	4.0	0.0	0.0	2.0	0.0	0.0
47999	CG7705	CG7705	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
48000	CG7705	CG7705	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0
48026	CG10344	CG10344	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0
48036	CG2009	bip2	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
48044	CG9556	allen	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
48103	CG32606	CG32606	0	0	0	Before Pupal	1											
48117	CG14656	CG14656	0	0	0	Before Pupal	1											
48123	CG9610	Poxm	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
48130	CG12505	CG12505	4	3	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0
48138	CG2781	CG2781	0	0	0	Before Pupal	1											
48139	CG2781	CG2781	0	0	0	Before Pupal	1											
48145	CG5788	UbcD10	2	3	5	Pupal	0	0.0	1.0	0.0	0.0	4.0	2.0	0.0	0.0	2.0	0.0	0.0
48153	CG15804	Dhc62B	0	0	0	Before Pupal	1											
48154	CG15804	Dhc62B	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
48171	CG32298	CG32298	2	2	4	Pupal	0	0.0	0.0	0.0	0.0	10.0	2.0	0.0	0.0	2.0	0.0	1.0
48176	CG14414	CG14414	0	8	8	Not Lethal	0	0.0	1.0	0.0	0.0	2.0	6.0	0.0	0.0	3.0	0.0	0.0
48194	CG8869	Jon25Bii	3	4	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	0.0
48196	CG8869	Jon25Bii	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
48237	CG31762	aret	3	7	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	7.0
48293	CG33292	CG33292	0	0	0	Pupal	1											
48298	CG33308	CG33308	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0
48324	CG12420	CG12420	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48333	CG18000	sw	2	0	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
48348	CG9760	CG9760	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
48349	CG9760	CG9760	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	7.0	0.0	0.0
48354	CG32709	CG32709	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	3.0
48370	CG13741	CG13741	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	2.0	0.0	0.0
48371	CG13741	CG13741	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	0.0	0.0
48374	CG14476	CG14476	1	0	1	Pupal	0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48390	CG32614	CG32614	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0
48391	CG32614	CG32614	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	3.0	0.0	0.0	1.0	0.0	2.0
48413	CG33054	CG33054	0	6	6	Pupal	0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0
48419	CG32711	CG32711	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	2.0	0.0	0.0
48441	CG33235	CG33235	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48476	CG33688	CG33688	6	4	10	Not Lethal	0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48484	CG33723	CG33723	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	5.0
48490	CG14802	MED18	10	0	10	Pupal	0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
48491	CG14802	MED18	10	0	10	Pupal	0	3.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0
48492	CG15036	CG15036	0	0	0	Pupal	1											
48507	CG3604	CG3604	0	0	0	Pupal	1											
48508	CG3604	CG3604	0	6	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
48530	CG4013	Smr	0	0	0	Before Pupal	1											
48531	CG4013	Smr	0	0	0	Pupal	1											
48541	CG4013	Smr	0	0	0	Pupal	1											
48546	CG9250	Mpp6	7	3	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
48551	CG1552	CG1552	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
48560	CG7818	CG7818	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
48568	CG10491	vn	0	0	0	Pupal	1											
48574	CG33334	CG33334	10	0	10	Pupal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
48581	CG16944	sesB	0	0	0	Pupal	1											
48582	CG16944	sesB	2	0	2	Pupal	0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	8.0	0.0	0.0
48587	CG3477	Pxd	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	4.0	0.0	0.0
48588	CG3477	Pxd	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	0.0
48596	CG5575	ken	0	0	0	Before Pupal	1											
48611	CG31517	CG31517	10	0	10	Not Lethal	0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48619	CG10863	CG10863	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	3.0
48631	CG11555	CG11555	0	4	4	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	5.0	0.0	0.0
48632	CG17255	CG17255	0	0	0	Before Pupal	1											
48633	CG17255	CG17255	0	0	0	Pupal	1											

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
48645	CG17642	mRpL48	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	7.0	0.0	0.0	0.0	0.0	0.0
48654	CG1518	CG1518	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0
48677	CG8728	CG8728	0	7	7	Pupal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
48680	CG11072	CG11072	10	0	10	Not Lethal	0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
48685	CG16787	CG16787	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	4.0	0.0	0.0
48686	CG16787	CG16787	0	0	0	Before Pupal	1											
48694	CG4040	CG4040	0	0	0	Pupal	1											
48695	CG4040	CG4040	0	0	0	Before Pupal	1											
48708	CG10315	eIF2B-delta	1	0	1	Pupal	0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
48717	CG9852	140up	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
48729	CG7796	CG7796	0	0	0	Pupal	1											
48730	CG7796	CG7796	0	0	0	Pupal	1											
48755	CG9134	CG9134	0	0	0	Pupal	1											
48756	CG9134	CG9134	0	0	0	Pupal	1											
48758	CG14952	CG14952	0	0	0	Pupal	1											
48765	CG10107	CG10107	0	0	0	Pupal	1											
48781	CG33173	CG33173	0	5	5	Not Lethal	0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48786	CG11637	CG11637	0	10	10	Pupal	0	5.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48793	CG33051	CG33051	0	0	0	Pupal	1											
48803	CG33230	CG33230	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
48830	CG7026	CG7026	0	1	1	Pupal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	7.0	0.0	0.0
48834	CG7281	CycC	4	2	6	Pupal	0	0.0	2.0	0.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0
48835	CG7281	CycC	10	0	10	Not Lethal	0	0.0	5.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	1.0	3.0
48846	CG18497	spen	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	1.0	3.0
48849	CG4381	GstD3	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
48863	CG9564	Try29F	1	8	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0
48869	CG32133	CG32133	0	0	0	Before Pupal	1											
48871	CG1963	Pcd	0	0	0	Pupal	1											
48872	CG1963	Pcd	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	4.0	0.0	0.0
48909	CG12175	tth	1	6	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	3.0	0.0	0.0
48911	CG4153	eIF-2beta	0	0	0	Before Pupal	1											
48924	CG32791	CG32791	0	0	0	Before Pupal	1											
48926	CG32791	CG32791	0	0	0	Before Pupal	1											
48928	CG7295	CG7295	0	10	10	Not Lethal	0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48961	CG7494	mRpL1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
48963	CG14057	CG14057	0	10	10	Not Lethal	0	0.0	8.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
48964	CG14057	CG14057	0	10	10	Not Lethal	0	0.0	4.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0
49000	CG8543	CG8543	0	7	7	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	0.0	0.0	0.0
49022	CG4887	CG4887	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	1.0	0.0	0.0
49037	CG32667	CG32667	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49042	CG9102	bab2	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	3.0	0.0	0.0
49049	CG10953	CG10953	8	2	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
49051	CG10953	CG10953	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	6.0	0.0	0.0
49076	CG8064	CG8064	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
49079	CG10571	ara	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49103	CG12324	RpS15Ab	0	0	0	Before Pupal	1											
49105	CG12324	RpS15Ab	0	0	0	Before Pupal	1											
49112	CG31352	CG31352	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0
49121	CG12179	CG12179	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49122	CG12700	skpD	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
49149	CG13679	CG13679	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
49153	CG13779	CG13779	1	0	1	Before Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
49169	CG14210	CG14210	2	1	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
49191	CG33980	CG33980	2	6	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0
49207	CG17637	CG17637	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0
49244	CG2241	CG2241	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	2.0	0.0	3.0
49245	CG2241	CG2241	2	4	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	7.0	0.0	0.0
49290	CG3161	Vha16	0	0	0	Before Pupal	1											
49297	CG31810	CG31810	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49314	CG32283	dro3	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49318	CG9191	Klp61F	8	2	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
49325	CG32708	CG32708	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
49326	CG12358	Paip2	0	0	0	Pupal	1											
49328	CG11907	Ent1	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0
49342	CG17121	CG17121	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49346	CG9706	CG9706	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49349	CG4495	CG4495	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49365	CG2615	Ik2	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	5.0	0.0	0.0	2.0	0.0	0.0
49369	CG32070	CG32070	6	4	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	8.0	0.0	0.0
49379	CG4916	me31B	0	0	0	Pupal	1											
49411	CG33002	mRpL27	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
49412	CG17269	Fancd2	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	4.0	0.0	0.0	0.0
49423	CG10484	Dox-A2	0	0	0	Before Pupal	1											
49425	CG17782	CG17782	0	0	0	Pupal	1											
49426	CG17782	CG17782	0	0	0	Pupal	1											
49505	CG6539	Dhh1	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
49506	CG6539	Dhh1	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
49512	CG10107	CG10107	0	0	0	Before Pupal	1											
49518	CG17556	CG17556	0	3	3	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49524	CG33505	CG33505	9	1	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
49534	CG9154	CG9154	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0
49536	CG2216	Fer1HCH	0	5	5	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	5.0	0.0	0.0
49537	CG2216	Fer1HCH	3	6	9	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
49542	CG18497	spen	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	2.0
49543	CG18497	spen	10	0	10	Not Lethal	0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0
49547	CG31201	GluRIIE	7	3	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
49577	CG10781	ng1	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	1.0	0.0
49604	CG12752	Nxt1	0	0	0	Pupal	1											
49607	CG12895	CG12895	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
49615	CG33691	CG33691	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
49639	CG8821	vis	7	3	10	Not Lethal	0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
49640	CG8821	vis	10	0	10	Not Lethal	0	0.0	0.0	0.2	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0
49655	CG10546	Crallbp	0	0	0	Before Pupal	1											
49688	CG18787	CG18787	0	0	0	Pupal	1											
49699	CG31292	CG31292	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0
49703	CG17735	CG17735	10	0	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	2.0	0.0	0.0	3.0	0.0	0.0
49705	CG32019	bt	1	6	7	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49749	CG33104	eca	10	0	10	Not Lethal	0	8.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49753	CG30481	mRpL53	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
49754	CG30481	mRpL53	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.0	0.0	0.0
49765	CG33649	CG33649	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	1.0	0.0	0.0
49809	CG10731	CG10731	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
49814	CG1179	LysB	5	5	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0
49817	CG9130	CG9130	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
49840	CG12608	CG12608	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0
49844	CG14206	RpS10b	0	0	0	Pupal	1											
49847	CG1740	Ntf-2	1	0	1	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
49848	CG1740	Ntf-2	7	3	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
49874	CG6277	CG6277	6	4	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	2.0	0.0	0.0
49878	CG7014	RpS5b	0	0	0	Pupal	1											
49885	CG4216	term	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	8.0	0.0	0.0
49886	CG7804	CG7804	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49890	CG8280	Ef1alpha48D	0	0	0	Pupal	1											
49941	CG11115	Ssl1	0	0	0	Pupal	1											
49946	CG4202	Sas10	10	0	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	4.0	0.0	0.0
49947	CG4202	Sas10	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	7.0	0.0	0.0
49957	CG31275	CG31275	10	0	10	Not Lethal	0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49976	CG5480	CG5480	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	3.0	0.0	0.0	3.0	0.0	0.0
49977	CG5480	CG5480	2	6	8	Pupal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	3.0	0.0	0.0
49979	CG17664	CG17664	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0
49986	CG1455	CanA1	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	9.0	0.0	0.0
49987	CG1455	CanA1	0	2	2	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
50027	CG18412	ph-p	0	0	0	Pupal	1											
50028	CG18412	ph-p	0	0	0	Pupal	1											
50052	CG12264	CG12264	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	4.0	4.0	0.0	0.0	5.0	0.0	0.0
50114	CG3898	CG3898	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	3.0	0.0	0.0
50115	CG10555	CG10555	3	3	6	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0
50129	CG14792	sta	0	0	0	Pupal	1											
50145	CG32133	CG32133	0	0	0	Before Pupal	1											
50146	CG32133	CG32133	0	0	0	Before Pupal	1											

Transformant ID	CG Number	Gene Symbol	Males	Females	Total	Lethality	Comp Lethal	Gain	Loss	Dup Hair	Sockets	Colour	Bmorph	Polarity	Malf Mig	Malf Death	Over Prolif	Other
50150	CG5012	mRpL12	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0
50156	CG2979	Yp2	5	5	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
50157	CG2979	Yp2	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
50159	CG30271	CG30271	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50171	CG5249	Blimp-1	0	0	0	Pupal	1											
50178	CG9949	sina	7	3	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50338	CG32854	mRpS21	0	10	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	2.0	0.0	0.0
50350	CG8556	Rac2	10	0	10	Not Lethal	0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
50381	CG18743	Hsp70Ab	0	0	0	Before Pupal	1											
50382	CG18743	Hsp70Ab	0	0	0	Pupal	1											
50390	CG12007	CG12007	2	2	4	Pupal	0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0
50416	CG6604	H15	0	0	0	Pupal	1											
50433	CG12357	Cbp20	0	0	0	Pupal	1											
50435	CG32602	CG32602	1	2	3	Pupal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0
50475	CG18030	Jon99Fi	4	6	10	Not Lethal	0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
50497	CG33270	CG33270	0	1	1	Pupal	0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	6.0	0.0	0.0
50502	CG33266		0	0	0	Pupal	1											
50510	CG33931	Rpp20	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	1.0	0.0	0.0
50511	CG33931	Rpp20	0	10	10	Pupal	0	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	1.0	0.0	0.0
50535	CG9032	sun	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0
50546	CG18000	sw	0	0	0	Pupal	1											
50563	CG10197	kn	0	8	8	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	0.0	0.0
50566	CG13383	CSN8	0	2	2	Pupal	0	2.0	0.0	1.0	0.0	0.0	2.0	0.0	0.0	4.0	0.0	0.0
50807	CG13935	CG13935	0	10	10	Not Lethal	0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51402	CG5516	CG5516	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
51611	CG17642	mRpL48	10	0	10	Not Lethal	0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0
	CG3779	numb	10	0	10	Not Lethal		0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 2b. Genome-wide bristle screen results – Lines that cause no phenotype and no lethality

This table is continued over 40 pages. It contains 13995 records.

2802	CG7870	CG7870
2804	CG7806	CG7806
2807	CG7627	CG7627
2808	CG7627	CG7627
2817	CG31891	
2818	CG12438	CG12438
2819	CG12438	CG12438
2823	CG9496	Tsp29Fb
2826	CG9520	CG9520
2830	CG31886	CG31886
2831	CG31886	CG31886
2834	CG18088	CG18088
2835	CG18088	CG18088
2838	CG9552	rost
2839	CG9552	rost
2841	CG9555	CG9555
2842	CG9555	CG9555
2845	CG9582	CG9582
2846	CG9582	CG9582
2849	CG13121	CG13121
2850	CG13121	CG13121
2851	CG13121	CG13121
2856	CG31880	CG31880
2861	CG3856	Oamb
2863	CG16854	CG16854
2864	CG16854	CG16854
2866	CG30330	Gr59d
2869	CG17036	CG17036
2870	CG5983	ACXC
2871	CG5983	ACXC
2878	CG9395	CG9395
2879	CG9267	CG9267
2884	CG15278	CG15278
2885	CG3234	tim
2886	CG3234	tim
2889	CG5974	pll
2890	CG7811	b
2892	CG8147	CG8147
2894	CG6518	inaC
2895	CG6518	inaC
2898	CG8819	achi
2900	CG3989	ade5
2901	CG3989	ade5
2910	CG6875	asp
2912	CG13425	bl
2919	CG9653	brk
2923	CG10297	Acp65Aa
2924	CG7508	ato
2931	CG10605	caup
2932	CG10605	caup
2938	CG15671	cv-2
2941	CG4952	dac
2944	CG13375	CG13375
2945	CG13375	CG13375
2955	CG1945	faf
2956	CG1945	faf
2961	CG12245	gcm
2962	CG12245	gcm
2968	CG4353	hep
2971	CG1864	Hr38
2976	CG13201	ix
2985	CG10655	l(2)37Bb
2986	CG10655	l(2)37Bb
2994	CG3060	mr
2998	CG8631	msl-3
3002	CG7892	nmo
3004	CG11614	nkd
3005	CG11614	nkd
3014	CG17964	pan
3016	CG4001	Pfk
3017	CG4001	Pfk
3025	CG1849	run
3029	CG6464	salm
3030	CG6464	salm
3040	CG15658	CG15658
3047	CG17348	drl
3053	CG31867	CG31867
3057	CG8742	Gyc76C
3058	CG8742	Gyc76C
3060	CG32796	CG32796
3064	CG15427	tutl
3065	CG10446	Side
3066	CG10446	Side
3070	CG33141	sns
3094	CG32134	btl
3098	CG5308	dpr5
3108	CG17839	CG17839
3109	CG17839	CG17839
3111	CG3653	kirre
3113	CG3653	kirre
3115	CG17800	Dscam
3116	CG18243	Ptp52F
3120	CG18146	CG18146
3121	CG17610	grk
3122	CG17610	grk
3128	CG18679	CG18679
3131	CG14425	CG14425
3132	CG14425	CG14425
3133	CG8987	tam
3135	CG8987	tam
3146	CG14211	CG14211
3147	CG14211	CG14211
3148	CG9771	Dip2
3149	CG9771	Dip2
3152	CG13466	CG13466
3153	CG13466	CG13466
3157	CG16772	CG16772
3161	CG4185	NC2beta
3162	CG5847	CG5847
3163	CG5847	CG5847
3170	CG3086	MAPk-Ak2
3171	CG3086	MAPk-Ak2
3174	CG7340	granny-smith
3175	CG7340	granny-smith
3180	CG11164	CG11164
3184	CG14676	CG14676
3189	CG6130	CG6130
3191	CG1863	CG1863
3194	CG1863	CG1863
3195	CG33513	Nmdar2
3196	CG33513	Nmdar2
3199	CG30151	CG30151
3202	CG3244	CG3244
3204	CG18607	CG18607
3215	CG10338	CG10338
3216	CG10338	CG10338
3220	CG33134	debcl
3226	CG7734	shn
3229	CG8428	spin
3230	CG4847	CG4847
3231	CG4847	CG4847
3232	CG13494	CG13494
3234	CG10866	CG10866
3235	CG7188	CG7188
3241	CG3971	Baldspot
3242	CG3971	Baldspot
3247	CG7795	CG7795
3251	CG7692	CG7692
3259	CG5538	CG5538
3260	CG5538	CG5538
3262	CG9070	CG9070
3263	CG9070	CG9070
3265	CG2291	CG2291
3266	CG2291	CG2291
3269	CG3002	Gga
3270	CG3002	Gga
3282	CG5993	os
3285	CG6903	CG6903
3290	CG4020	CG4020
3292	CG3367	CG3367
3293	CG3367	CG3367
3294	CG15335	CG15335
3299	CG9355	dy
3302	CG9355	dy
3311	CG10184	CG10184
3313	CG10245	Cyp6a20
3314	CG10245	Cyp6a20
3317	CG10246	Cyp6a9
3318	CG10246	Cyp6a9
3321	CG10253	CG10253
3324	CG10593	Acer
3327	CG10657	CG10657
3331	CG10842	Cyp4p1
3336	CG11956	SP1029
3338	CG12529	Zw
3339	CG15162	MESR3
3343	CG8956	Ahcy89E
3349	CG2155	v
3350	CG33306	CG33306
3351	CG33306	CG33306
3355	CG8462	Obp56e
3358	CG9701	CG9701
3359	CG9701	CG9701
3361	CG12690	CHES-1-like
3367	CG31858	CG31858
3368	CG9928	CG9928
3369	CG9928	CG9928
3370	CG9928	CG9928
3373	CG13937	CG13937
3375	CG13937	CG13937
3376	CG31913	CG31913
3377	CG10843	Cyp4p3
3382	CG30142	Obp57b
3385	CG2121	CG2121
3386	CG2121	CG2121
3390	CG6965	mthl5
3391	CG18741	DopR2
3395	CG11318	CG11318
3396	CG11318	CG11318
3399	CG2872	AlstR
3400	CG2872	AlstR
3405	CG11422	Os-E
3415	CG31106	CG31106
3419	CG11851	CG11851
3422	CG6120	Tsp96F
3423	CG6120	Tsp96F
3424	CG8451	CG8451
3428	CG13101	CG13101
3431	CG30018	mthl13
3440	CG31513	CG31513
3443	CG17453	Cyp317a1
3449	CG31937	CG31937
3451	CG3332	CG3332
3470	CG30394	CG30394
3479	CG6698	NtR
3480	CG6698	NtR
3498	CG31640	CG31640
3505	CG4414	Ugt58Fa
3509	CG30272	CG30272
3513	CG30265	CG30265
3517	CG3649	CG3649
3518	CG3649	CG3649
3521	CG13535	CG13535
3527	CG30194	CG30194
3528	CG30194	CG30194
3530	CG30186	Gr59c
3539	CG30184	CG30184
3579	CG7899	Acph-1
3584	CG5539	CG5539
3585	CG5539	CG5539
3587	CG4763	CG4763
3593	CG4585	CG4585
3594	CG4585	CG4585
3596	CG3803	CG3803
3604	CG11388	CG11388
3606	CG3182	sei
3608	CG10339	CG10339
3609	CG10339	CG10339
3611	CG13569	CG13569
3614	CG4065	CG4065
3618	CG3385	nvy
3621	CG3394	CG3394
3626	CG3419	CG3419
3627	CG3419	CG3419
3631	CG30164	CG30164
3633	CG30164	CG30164
3638	CG11735	Or85b
3642	CG12491	CG12491
3664	CG4675	Ndae1
3668	CG13793	CG13793
3669	CG13793	CG13793
3670	CG13795	CG13795
3671	CG13795	CG13795
3676	CG31904	CG31904
3691	CG10702	CG10702
3702	CG7649	Neu3
3704	CG7649	Neu3
3705	CG18146	CG18146
3707	CG7565	CG7565
3710	CG33087	CG33087
3721	CG6127	Ser
3733	CG31009	Cad99C
3744	CG4509	CG4509
3749	CG7749	fat2
3754	CG31851	CG31851
3761	CG1982	Sodh-1
3780	CG5799	dve
3788	CG12212	peb
3801	CG11110	CG11110
3807	CG11453	CG11453
3810	CG9062	CG9062
3813	CG7896	CG7896
3815	CG18249	CG18249
3816	CG18249	CG18249
3821	CG18480	CG18480
3825	CG8224	babo
3829	CG15270	CG15270
3830	CG15270	CG15270
3836	CG3994	CG3994
3837	CG15257	Tim17b2
3838	CG15257	Tim17b2
3839	CG4587	CG4587
3846	CG4891	CG4891
3849	CG12455	CG12455
3856	CG5876	heix
3864	CG13270	Ugt36Ba
3866	CG13270	Ugt36Ba
3873	CG31748	Gr36c
3875	CG31783	ninaD
3882	CG10413	CG10413
3886	CG10369	Irk3
3897	CG10470	CG10470
3899	CG13086	CG13086
3909	CG10165	CG10165
3912	CG10337	CG10337
3914	CG10337	CG10337
3917	CG13078	CG13078
3920	CG10334	spi
3929	CG2493	CG2493
3931	CG2617	CG2617
3948	CG11630	CG11630
3951	CG6691	CG6691
3960	CG5922	CG5922
3968	CG17907	Ace
3975	CG31150	CG31150
3976	CG17923	CG17923
3977	CG17923	CG17923
3985	CG3271	CG3271
3986	CG9428	ZIP1
3987	CG9428	ZIP1
3988	CG3268	phtf
3989	CG3268	phtf
3994	CG11127	CG11127
3996	CG2144	CG2144
3997	CG1941	CG1941
4001	CG30379	CG30379
4003	CG30379	CG30379
4004	CG14764	CG14764
4009	CG17976	sut3
4018	CG2062	Cyp4e1
4019	CG2397	Cyp6a13
4020	CG2397	Cyp6a13
4024	CG8735	CG8735
4028	CG1698	CG1698
4030	CG1667	CG1667
4031	CG1667	CG1667
4034	CG1441	CG1441
4035	CG1441	CG1441
4038	CG30006	
4039	CG18445	CG18445
4040	CG18445	CG18445
4041	CG12920	CG12920
4042	CG12920	CG12920
4043	CG12910	CG12910
4044	CG12910	CG12910
4046	CG12891	CPTI
4047	CG12891	CPTI
4049	CG13592	CG13592
4050	CG13592	CG13592
4053	CG3522	Start1
4061	CG9071	NaCP60E
4062	CG9071	NaCP60E
4064	CG3770	CG3770
4066	CG3533	uzip
4070	CG9380	CG9380
4071	CG32475	mthl8
4073	CG17142	pyx
4075	CG12313	CG12313
4080	CG1214	ru
4084	CG13927	GC
4085	CG13927	GC
4086	CG13919	CG13919
4087	CG13919	CG13919
4090	CG12035	CG12035
4092	CG18173	CG18173
4093	CG13921	CG13921
4096	CG13921	CG13921
4098	CG12025	CG12025

4100	CG1887	CG1887
4106	CG1317	CG1317
4118	CG11537	CG11537
4123	CG14960	CG14960
4125	CG12077	CG12077
4128	CG10359	CG10359
4141	CG30355	CG30355
4142	CG14743	CG14743
4145	CG30352	CG30352
4152	CG8248	CG8248
4158	CG8008	CG8008
4163	CG8026	CG8026
4166	CG30343	CG30343
4167	CG30343	CG30343
4174	CG13951	l(2)k10201
4175	CG13951	l(2)k10201
4180	CG12929	CG12929
4190	CG32983	CG32983
4190	CG32983	CG32983
4191	CG32983	CG32983
4191	CG32983	CG32983
4223	CG17107	CG17107
4247	CG7840	CG7840
4279	CG5683	Aef1
4290	CG3524	v(2)k05816
4291	CG3524	v(2)k05816
4298	CG1389	tor
4299	CG1389	tor
4300	CG1389	tor
4302	CG6124	CG6124
4306	CG7050	Nrx-1
4309	CG1372	yl
4313	CG17941	ds
4314	CG11282	caps
4319	CG8434	lbk
4322	CG17839	CG17839
4323	CG17839	CG17839
4329	CG13521	robo
4330	CG7381	CG7381
4331	CG17610	grk
4332	CG17610	grk
4339	CG10421	
4340	CG10421	
4341	CG4370	Irk2
4351	CG7016	CG7016
4365	CG8285	boss
4366	CG8285	boss
4369	CG14550	CG14550
4371	CG14550	CG14550
4373	CG31323	CG31323
4376	CG31083	
4385	CG31072	Lerp
4389	CG5507	T48
4391	CG6323	Tsp97E
4394	CG33083	Gr97a
4395	CG33083	Gr97a
4398	CG31061	Gr98d
4399	CG31061	Gr98d
4402	CG5646	CG5646
4407	CG12879	CG12879
4417	CG11833	Ssl2
4418	CG11874	CG11874
4419	CG11874	CG11874
4423	CG14516	CG14516
4426	CG14511	CG14511
4427	CG14511	CG14511
4430	CG11898	CG11898
4431	CG11898	CG11898
4434	CG14509	CG14509
4435	CG14509	CG14509
4439	CG1458	CG1458
4448	CG2304	Trc8
4449	CG2304	Trc8
4456	CG7601	CG7601
4457	CG7601	CG7601
4458	CG31036	CG31036
4460	CG31036	CG31036
4478	CG13884	CG13884
4479	CG13884	CG13884
4480	CG18676	Teh3
4481	CG18676	Teh3
4483	CG1232	tipE
4496	CG1273	CG1273
4499	CG15020	CG15020
4542	CG3935	al
4543	CG4846	beat-Ia
4544	CG4846	beat-Ia
4545	CG4846	beat-Ia
4556	CG2711	dwg
4559	CG3114	ewg
4566	CG1252	Ccp84Ab
4573	CG13228	CG13228
4574	CG13228	CG13228
4588	CG13207	nompA
4589	CG12387	zetaTry
4590	CG12387	zetaTry
4593	CG12385	thetaTry
4594	CG30030	Gr47b
4598	CG13196	CG13196
4599	CG13196	CG13196
4601	CG8988	S2P
4607	CG8271	CG8271
4609	CG8271	CG8271
4615	CG8453	Cyp6g1
4616	CG8453	Cyp6g1
4620	CG8839	CG8839
4621	CG8839	CG8839
4623	CG30047	CG30047
4629	CG13160	CG13160
4634	CG30048	CG30048
4635	CG30048	CG30048
4637	CG8824	fdl
4638	CG8824	fdl
4642	CG8594	CG8594
4643	CG30054	CG30054
4644	CG30054	CG30054
4664	CG17577	Cyp9h1
4667	CG3790	CG3790
4671	CG3814	CG3814
4672	CG13323	CG13323
4673	CG13323	CG13323
4676	CG13324	CG13324
4681	CG4627	CG4627
4683	CG4627	CG4627
4689	CG4676	CG4676
4697	CG10062	CG10062
4704	CG15121	CG15121
4712	CG11797	Obp56a
4715	CG8654	CG8654
4720	CG11208	CG11208
4722	CG10444	CG10444
4725	CG11200	CG11200
4726	CG18067	CG18067
4730	CG30153	CG30153
4734	CG13438	CG13438
4736	CG13442	CG13442
4737	CG13442	CG13442
4740	CG11081	plexA
4745	CG4977	kek2
4750	CG17667	CG17667
4758	CG11136	CG11136
4761	CG12283	kek1
4762	CG5096	CG5096
4765	CG5096	CG5096
4769	CG7398	Trn
4771	CG1511	Eph
4773	CG31183	CG31183
4777	CG10738	CG10738
4784	CG31806	CG31806
4790	CG10975	Ptp69D
4797	CG33202	dpr11
4799	CG31431	CG31431
4800	CG15744	CG15744
4801	CG15744	CG15744
4806	CG16857	CG16857
4812	CG9562	
4819	CG5912	arr
4823	CG7381	CG7381
4827	CG12781	nahoda
4828	CG12781	nahoda
4830	CG2086	drpr
4833	CG2086	drpr
4838	CG12309	CG12309
4846	CG16961	Or33b
4848	CG33478	Or46a
4856	CG33528	CG33528
4857	CG12295	stj
4861	CG8323	CG8323
4867	CG8536	beta4GalNAcTA
4869	CG8536	beta4GalNAcTA
4875	CG12869	CG12869
4876	CG12869	CG12869
4880	CG10242	Cyp6a23
4884	CG10248	Cyp6a8
4893	CG8195	CG8195
4899	CG8399	CG8399
4902	CG10731	CG10731
4903	CG10731	CG10731
4909	CG3666	Tsf3
4915	CG15711	CG15711
4916	CG15711	CG15711
4923	CG30463	CG30463
4924	CG30463	CG30463
4927	CG15614	CG15614
4928	CG15614	CG15614
4931	CG9001	CG9001
4932	CG9001	CG9001
4938	CG18469	CG18469
4940	CG18469	CG18469
4942	CG12699	CG12699
4943	CG12699	CG12699
4947	CG6550	CG6550
4949	CG30103	CG30103
4950	CG30103	CG30103
4954	CG6484	CG6484
4957	CG10936	CG10936
4964	CG9013	CG9013
4972	CG30323	CG30323
4974	CG33958	CG33958
4975	CG33958	CG33958
4978	CG33958	CG33958
4983	CG5581	Ote
4994	CG18609	CG18609
4997	CG17821	CG17821
4998	CG33147	CG33147
5002	CG15094	CG15094
5008	CG15106	Jheh3
5010	CG30125	CG30125
5012	CG30125	CG30125
5016	CG11961	CG11961
5023	CG32244	CG32244
5024	CG11353	CG11353
5027	CG11357	CG11357
5033	CG10596	Msr-110
5034	CG10596	Msr-110
5035	CG10590	CG10590
5036	CG10590	CG10590
5038	CG33717	PGRP-LD
5043	CG32413	CG32413
5044	CG10486	CG10486
5045	CG10486	CG10486
5054	CG6600	CG6600
5059	CG10173	Best2
5063	CG32401	Or65a
5067	CG32402	Or65b
5068	CG32398	CG32398
5069	CG32398	CG32398
5076	CG10121	SP1173
5081	CG9943	Surf1
5089	CG8596	CG8596
5090	CG8596	CG8596
5092	CG8909	CG8909
5094	CG12139	CG12139
5097	CG4509	CG4509
5098	CG7749	fat2
5109	CG8546	CG8546
5111	CG8541	CG8541
5112	CG8541	CG8541
5115	CG32373	CG32373
5117	CG7919	fan
5121	CG7962	CdsA
5126	CG7979	CG7979
5127	CG13679	CG13679
5130	CG13679	CG13679
5132	CG13670	CG13670
5134	CG13670	CG13670
5139	CG32354	CG32354
5142	CG6822	ergic53
5148	CG5989	CG5989
5149	CG5989	CG5989
5158	CG5741	CG5741
5163	CG13313	CG13313
5167	CG32032	CG32032
5172	CG4484	CG4484
5174	CG4484	CG4484
5176	CG4483	CG4483
5198	CG14173	Ilp1
5203	CG6640	CG6640
5208	CG6449	NijA
5209	CG32081	CG32081
5210	CG14143	CG14143
5214	CG6210	srt
5215	CG6210	srt
5219	CG7557	CG7557
5221	CG32091	CG32091
5222	CG32091	CG32091
5227	CG5906	CG5906
5229	CG6928	CG6928
5231	CG6928	CG6928
5240	CG11268	CG11268
5242	CG11280	trn
5247	CG11281	CG11281
5249	CG10713	CG10713
5252	CG10116	CG10116
5254	CG10116	CG10116
5256	CG17362	CG17362
5257	CG17362	CG17362
5260	CG5842	nan
5261	CG5842	nan
5262	CG32145	ome
5263	CG32145	ome
5265	CG13460	CG13460
5266	CG13460	CG13460
5272	CG7259	Best4
5273	CG7259	Best4
5275	CG13446	CG13446
5277	CG17943	comm
5278	CG17943	comm
5283	CG18814	CG18814
5284	CG4729	CG4729
5293	CG13026	CG13026
5296	CG3897	blot
5297	CG3897	blot
5310	CG6052	CG6052
5311	CG6052	CG6052
5319	CG32190	NUCB1
5322	CG5582	cln3
5326	CG14586	CG14586
5327	CG14586	CG14586
5329	CG7446	Grd
5341	CG5485	Prestin
5345	CG6893	CG6893
5356	CG11619	CG11619
5361	CG14088	CG14088
5369	CG9262	Shal
5371	CG14182	CG14182
5376	CG7290	CG7290
5383	CG32225	CG32225
5384	CG13248	CG13248
5387	CG5282	CG5282
5390	CG5130	CG5130
5393	CG13250	CG13250
5394	CG13250	CG13250
5396	CG13253	CG13253
5417	CG32447	CG32447
5431	CG31521	
5434	CG11101	pwn
5442	CG14430	CG14430
5443	CG14430	CG14430
5451	CG4626	fz4
5460	CG12663	CG12663
5462	CG15325	CG15325
5467	CG1514	CG1514
5469	CG2212	sws
5470	CG2254	CG2254
5474	CG10761	CG10761
5475	CG10761	CG10761
5478	CG1632	CG1632
5484	CG1636	CG1636
5485	CG2302	nAcRalpha-7E
5492	CG12125	CG12125
5497	CG2056	CG2056
5499	CG12108	Ppt1
5503	CG1787	Hexo2
5505	CG15366	CG15366
5520	CG32705	CG32705
5521	CG32705	CG32705
5526	CG2962	CG2962
5528	CG32684	alpha-Man-I
5533	CG15209	CG15209
5534	CG15209	CG15209
5537	CG2076	CG2076
5550	CG10353	CG10353
5551	CG1522	cac
5554	CG1824	CG1824
5561	CG32631	CG32631
5566	CG9413	CG9413
5569	CG9533	rut

5575	CG9066	CG9066
5580	CG17896	CG17896
5581	CG17896	CG17896
5583	CG12311	Pomt2
5584	CG12311	Pomt2
5587	CG2713	CG2713
5594	CG11709	PGRP-SA
5597	CG9906	CG9906
5601	CG6816	Cyp18a1
5602	CG6816	Cyp18a1
5606	CG11937	amn
5608	CG17131	SP71
5611	CG17707	
5616	CG11143	Inos
5617	CG11143	Inos
5622	CG11390	PebIII
5624	CG11407	CG11407
5632	CG11854	CG11854
5637	CG12256	CG12256
5639	CG12855	HPS
5641	CG12855	HPS
5643	CG13305	CG13305
5644	CG13305	CG13305
5646	CG13388	Akap200
5647	CG13388	Akap200
5655	CG15093	CG15093
5665	CG4565	CG4565
5667	CG3699	CG3699
5668	CG3699	CG3699
5671	CG1771	mew
5680	CG1435	CBP
5684	CG5229	chm
5690	CG14941	esc
5692	CG14941	esc
5694	CG2041	lgs
5699	CG8160	CG8160
5705	CG18466	Nmdmc
5706	CG18466	Nmdmc
5709	CG2647	per
5722	CG5250	CG5250
5726	CG7342	CG7342
5730	CG4608	bnl
5732	CG4608	bnl
5733	CG10280	CG10280
5738	CG15585	Osi1
5747	CG10303	Osi4
5753	CG15591	Osi8
5755	CG15596	Osi11
5756	CG15594	CG15594
5761	CG31561	Osi16
5776	CG14605	CG14605
5783	CG32465	
5804	CG7459	Ctr1B
5805	CG7459	Ctr1B
5807	CG11737	CG11737
5811	CG31454	CG31454
5820	CG11775	CG11775
5832	CG8861	CG8861
5838	CG18802	alpha-Man-II
5843	CG33104	eca
5843	CG33104	eca
5845	CG18542	CG18542
5851	CG7241	Cyp304a1
5861	CG8774	CG8774
5862	CG8774	CG8774
5863	CG8790	CG8790
5864	CG8790	CG8790
5868	CG3061	CG3061
5872	CG7530	CG7530
5875	CG14856	CG14856
5879	CG3984	CG3984
5885	CG4576	CG4576
5886	CG4287	CG4287
5894	CG10326	CG10326
5897	CG14324	CG14324
5904	CG14315	CG14315
5906	CG14315	CG14315
5908	CG7218	CG7218
5909	CG7218	CG7218
5911	CG7142	CG7142
5915	CG7675	CG7675
5934	CG8412	CG8412
5948	CG9459	CG9459
5955	CG12806	Teh1
5963	CG6264	Best1
5968	CG31147	mthl11
5973	CG31394	CG31394
5977	CG14681	CG14681
5978	CG14681	CG14681
5978	CG14681	CG14681
5985	CG14690	tomboy20
5988	CG14691	CG14691
5994	CG14694	CG14694
6005	CG6608	CG6608
6006	CG4695	
6016	CG6633	Ugt86Dd
6019	CG4739	Ugt86Dc
6024	CG17200	Ugt86Dg
6027	CG4772	Ugt86Dh
6036	CG17721	CG17721
6049	CG5281	CG5281
6053	CG14709	CG14709
6061	CG12594	CG12594
6065	CG14723	HisCl1
6082	CG31358	CG31358
6084	CG10093	Cyp313a3
6085	CG10093	Cyp313a3
6088	CG10096	CG10096
6089	CG10096	CG10096
6090	CG10096	CG10096
6092	CG5167	CG5167
6094	CG5167	CG5167
6096	CG5196	CG5196
6099	CG34055	CG34055
6104	CG33959	Octbeta3R
6107	CG18530	CG18530
6109	CG18530	CG18530
6112	CG15904	CG15904
6115	CG3216	CG3216
6119	CG32179	Krn
6121	CG12602	CG12602
6122	CG12602	CG12602
6123	CG14936	Tsp33B
6131	CG9907	para
6132	CG9907	para
6134	CG13014	CG13014
6140	CG4880	CG4880
6141	CG4880	CG4880
6145	CG16700	CG16700
6150	CG5070	CG5070
6157	CG10597	CG10597
6160	CG12990	CG12990
6162	CG6492	Ucp4A
6170	CG6578	phm
6173	CG7103	Pvf1
6175	CG7103	Pvf1
6176	CG7440	tgy
6177	CG7440	tgy
6178	CG33253	CG33253
6179	CG33253	CG33253
6183	CG14194	CG14194
6188	CG7874	CG7874
6198	CG14205	CG14205
6200	CG14208	Tyler
6202	CG12531	CG12531
6203	CG12531	CG12531
6218	CG6246	nub
6221	CG6716	prd
6225	CG1167	Ras64B
6226	CG11111	rdgB
6232	CG3956	sna
6241	CG7893	vav
6251	CG10659	CG10659
6255	CG4592	CG4592
6256	CG4592	CG4592
6261	CG4365	CG4365
6262	CG4365	CG4365
6266	CG31510	CG31510
6272	CG15263	CG15263
6273	CG33545	nab
6282	CG6755	EloA
6286	CG7592	Obp99b
6289	CG8643	rgr
6290	CG8643	rgr
6296	CG9285	Dip-B
6297	CG9285	Dip-B
6308	CG2714	crm
6335	CG32055	CG32055
6336	CG9509	CG9509
6337	CG9509	CG9509
6343	CG3590	CG3590
6354	CG4192	kek3
6356	CG4192	kek3
6360	CG5861	CG5861
6363	CG4455	CG4455
6364	CG4455	CG4455
6367	CG31991	mdy
6369	CG31991	mdy
6372	CG31787	CG31787
6375	CG10373	CG10373
6376	CG10373	CG10373
6379	CG17324	CG17324
6382	CG17324	CG17324
6384	CG17322	CG17322
6386	CG16771	CG16771
6389	CG31699	CG31699
6390	CG31699	CG31699
6394	CG13970	CG13970
6395	CG13970	CG13970
6397	CG11012	Ugt37a1
6398	CG11012	Ugt37a1
6399	CG16798	CG16798
6400	CG18858	CG18858
6401	CG9264	CG9264
6406	CG9257	CG9257
6408	CG31600	CG31600
6409	CG31600	CG31600
6420	CG1128	alpha-Est9
6421	CG1128	alpha-Est9
6422	CG5765	CG5765
6425	CG5765	CG5765
6426	CG17005	CG17005
6427	CG17005	CG17005
6430	CG11900	CG11900
6431	CG11900	CG11900
6435	CG10650	CG10650
6444	CG14745	PGRP-SC2
6446	CG8804	wun
6447	CG8804	wun
6452	CG8468	CG8468
6453	CG8468	CG8468
6455	CG8098	Picot
6456	CG8098	Picot
6459	CG11495	rasp
6469	CG4899	Pdh
6478	CG13698	CG13698
6486	CG1063	Itp-r83A
6487	CG1213	CG1213
6488	CG1213	CG1213
6489	CG15592	Osi9
6493	CG11993	Mst85C
6494	CG6796	CG6796
6498	CG12116	CG12116
6512	CG13871	CG13871
6521	CG17300	CG17300
6523	CG11314	CG11314
6525	CG11314	CG11314
6527	CG18476	CG18476
6547	CG17559	dnt
6548	CG17559	dnt
6551	CG8742	Gyc76C
6552	CG8742	Gyc76C
6557	CG8581	fra
6561	CG17716	fas
6562	CG17716	fas
6570	CG13227	CG13227
6572	CG13335	CG13335
6582	CG15654	CG15654
6586	CG15655	CG15655
6589	CG10069	CG10069
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6593	CG10505	CG10505
6596	CG30283	CG30283
6599	CG17922	CG17922
6604	CG33227	CG33227
6605	CG9308	CG9308
6609	CG13500	CG13500
6610	CG13500	CG13500
6614	CG11073	CG11073
6615	CG11073	CG11073
6617	CG3074	CG3074
6618	CG3074	CG3074
6622	CG3290	CG3290
6623	CG30277	Oatp58Da
6630	CG9826	CG9826
6633	CG13533	asrij
6640	CG3502	CG3502
6643	CG13559	CG13559
6644	CG13559	CG13559
6646	CG5372	alphaPS5
6647	CG5372	alphaPS5
6650	CG4019	CG4019
6655	CG12240	DnaJ-60
6666	CG11413	CG11413
6669	CG12017	CG12017
6670	CG12017	CG12017
6672	CG7800	CG7800
6673	CG7800	CG7800
6678	CG12199	kek5
6683	CG6490	CG6490
6685	CG31190	CG31190
6692	CG7223	htl
6694	CG14064	beat-VI
6695	CG3653	kirre
6696	CG3653	kirre
6705	CG2005	
6707	CG5912	arr
6708	CG5912	arr
6709	CG3389	Cad88C
6723	CG10693	slo
6726	CG5807	CG5807
6731	CG13663	CG13663
6733	CG13663	CG13663
6734	CG10425	CG10425
6738	CG10550	CG10550
6739	CG10550	CG10550
6742	CG4774	CG4774
6743	CG17196	CG17196
6747	CG4956	CG4956
6750	CG5772	Sur
6756	CG18482	CG18482
6757	CG31809	CG31809
6758	CG31809	CG31809
6759	CG30008	CG30008
6760	CG30008	CG30008
6762	CG12943	CG12943
6765	CG5077	CG5077
6766	CG5077	CG5077
6771	CG4465	CG4465
6774	CG10917	fj
6778	CG13603	CG13603
6781	CG31312	
6782	CG6331	Orct
6783	CG4770	CG4770
6791	CG31209	
6807	CG5892	CG5892
6810	CG31173	Gr93c
6811	CG31173	Gr93c
6813	CG31335	Gr93d
6814	CG31424	CG31424
6817	CG31423	CG31423
6818	CG31423	CG31423
6831	CG6969	CG6969
6832	CG4907	CG4907
6833	CG4907	CG4907
6835	CG6660	CG6660
6836	CG6660	CG6660
6838	CG17244	CG17244
6845	CG13833	CG13833
6852	CG5410	Miro
6853	CG17924	Acp95EF
6856	CG31020	spdo
6859	CG9702	CG9702
6862	CG1462	Aph-4
6864	CG1462	Aph-4
6866	CG15553	CG15553
6872	CG2003	CG2003
6873	CG17245	plexB
6878	CG11064	RfaBp
6879	CG11064	RfaBp
6883	CG1304	CG1304
6884	CG1304	CG1304
6885	CG4293	CG4293
6887	CG5254	CG5254
6888	CG5273	CG5273
6895	CG32815	CG32815
6901	CG11378	CG11378
6905	CG11379	CG11379
6906	CG11379	CG11379
6922	CG3810	CG3810
6924	CG4025	CG4025
6938	CG5304	l(2)01810
6940	CG6504	Pkd2
6941	CG6504	Pkd2
6950	CG7537	inx5
6951	CG7537	inx5
6953	CG33160	CG33160
6957	CG14027	TotM

6958	CG14027	TotM
6965	CG17524	GstE3
6966	CG17524	GstE3
6972	CG3064	futsch
6973	CG3064	futsch
6975	CG3461	pn
6977	CG3618	CG3618
6978	CG3618	CG3618
6981	CG4049	CG4049
6983	CG4183	Hsp26
6987	CG4205	Fdxh
6989	CG4205	Fdxh
6991	CG4336	rux
6992	CG4336	rux
6995	CG4723	CG4723
7001	CG9908	disco
7002	CG9908	disco
7005	CG2621	sgg
7010	CG3592	CG3592
7012	CG3592	CG3592
7014	CG14269	CG14269
7015	CG14269	CG14269
7018	CG16781	CG16781
7020	CG16781	CG16781
7021	CG13021	CG13021
7024	CG13021	CG13021
7028	CG2913	yin
7031	CG2930	CG2930
7032	CG2930	CG2930
7036	CG2938	CG2938
7041	CG6978	CG6978
7042	CG32770	CG32770
7052	CG10706	SK
7054	CG10706	SK
7061	CG16752	CG16752
7074	CG33080	CG33080
7077	CG33080	CG33080
7078	CG4052	CG4052
7084	CG11462	CG11462
7085	CG11462	CG11462
7090	CG3016	CG3016
7098	CG6067	CG6067
7113	CG3781	CG3781
7126	CG4536	CG4536
7128	CG4536	CG4536
7132	CG4542	CG4542
7134	CG14431	CG14431
7136	CG3039	ogre
7141	CG6677	ash2
7143	CG4426	ast
7155	CG7383	eg
7157	CG7383	eg
7161	CG14228	Mer
7162	CG14228	Mer
7164	CG17927	Mhc
7172	CG13701	skl
7173	CG4200	sl
7174	CG4200	sl
7175	CG4200	sl
7178	CG7852	CG7852
7182	CG2987	alpha-catenin-related
7190	CG8604	Amph
7192	CG8772	nemy
7195	CG17911	Or85c
7199	CG31260	
7201	CG31220	CG31220
7202	CG16755	Or85f
7203	CG16755	Or85f
7217	CG6986	CG6986
7219	CG3171	Tre1
7220	CG3171	Tre1
7222	CG17867	Or10a
7223	CG4395	CG4395
7226	CG4187	CG4187
7231	CG6857	CCKLR-17D1
7233	CG6857	CCKLR-17D1
7238	CG3772	cry
7239	CG3772	cry
7243	CG13518	Obp58b
7245	CG12178	Nhe1
7249	CG31929	Gr22c
7251	CG7295	CG7295
7254	CG32463	CG32463
7257	CG31682	CG31682
7261	CG15400	CG15400
7262	CG2983	CG2983
7263	CG2983	CG2983
7265	CG3059	NTPase
7266	CG18642	Bem46
7271	CG3277	CG3277
7273	CG33281	CG33281
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7274	CG33281	CG33281
7274	CG33281	CG33281
7278	CG9662	CG9662
7280	CG3304	CG3304
7283	CG31776	CG31776
7284	CG31956	pgant4
7286	CG31956	pgant4
7288	CG16713	CG16713
7290	CG2822	Shaw
7291	CG10019	CG10019
7292	CG10019	CG10019
7294	CG4099	Sr-CI
7303	CG15438	CG15438
7305	CG13271	Ugt36Bb
7306	CG6860	CG6860
7308	CG3305	CG3305
7309	CG3305	CG3305
7314	CG11665	CG11665
7315	CG14468	Tsp42A
7320	CG6649	Ugt35b
7321	CG14379	CheA87a
7326	CG6126	CG6126
7332	CG31998	CG31998
7333	CG3194	CG3194
7335	CG3194	CG3194
7338	CG9430	CG9430
7340	CG9447	CG9447
7342	CG9447	CG9447
7343	CG33349	ppk25
7347	CG3567	Cyp6u1
7351	CG12143	Tsp42Ej
7356	CG1339	Gr43b
7357	CG1339	Gr43b
7360	CG17853	Or43b
7361	CG17853	Or43b
7362	CG30381	CG30381
7363	CG11210	CG11210
7365	CG14756	CG14756
7366	CG14756	CG14756
7378	CG30344	CG30344
7379	CG30344	CG30344
7380	CG8046	CG8046
7388	CG12130	CG12130
7389	CG12130	CG12130
7391	CG12341	CG12341
7394	CG33145	CG33145
7398	CG10243	Cyp6a19
7400	CG8180	CG8180
7402	CG30329	Vha100-3
7405	CG3831	CG3831
7413	CG30420	Atf-2
7414	CG30420	Atf-2
7417	CG2857	CG2857
7423	CG30427	CG30427
7424	CG13877	CG13877
7427	CG13904	
7428	CG9186	CG9186
7433	CG2211	CG2211
7434	CG33166	stet
7435	CG33166	stet
7440	CG1927	CG1927
7441	CG1927	CG1927
7442	CG32300	oxt
7443	CG32300	oxt
7448	CG13806	CG13806
7450	CG1146	CG1146
7451	CG1146	CG1146
7461	CG17723	CG17723
7462	CG17723	CG17723
7467	CG32279	dro2
7477	CG1079	CG1079
7481	CG1134	CG1134
7482	CG1134	CG1134
7491	CG32250	CG32250
7495	CG32090	Vha16-3
7497	CG32090	Vha16-3
7500	CG14076	CG14076
7503	CG6836	CG6836
7513	CG11309	CG11309
7514	CG11309	CG11309
7518	CG10277	CG10277
7522	CG14606	CG14606
7523	CG14606	CG14606
7527	CG14374	CG14374
7532	CG3488	CG3488
7534	CG3488	CG3488
7535	CG11326	Tsp
7538	CG31743	CG31743
7542	CG6305	CG6305
7543	CG6305	CG6305
7545	CG13422	CG13422
7550	CG14661	CG14661
7551	CG1077	CG1077
7552	CG1077	CG1077
7554	CG16749	CG16749
7555	CG16749	CG16749
7556	CG7362	CG7362
7557	CG7362	CG7362
7558	CG7330	CG7330
7559	CG9935	CG9935
7560	CG31795	ia2
7563	CG14077	CG14077
7566	CG31164	CG31164
7571	CG6134	spz
7574	CG15541	CG15541
7576	CG2187	CG2187
7578	CG11576	CG11576
7583	CG16961	Or33b
7585	CG5006	Or33c
7593	CG17584	Or49b
7600	CG4770	CG4770
7605	CG4781	CG4781
7614	CG31637	CG31637
7618	CG31911	Ent2
7621	CG11319	CG11319
7628	CG13780	Pvf2
7629	CG13780	Pvf2
7636	CG14537	CG14537
7637	CG14537	CG14537
7642	CG14275	CG14275
7643	CG14275	CG14275
7645	CG13386	CG13386
7646	CG13386	CG13386
7652	CG4778	CG4778
7653	CG4778	CG4778
7654	CG31714	CG31714
7656	CG13129	
7665	CG5385	CG5385
7669	CG17105	CG17105
7670	CG17105	CG17105
7673	CG14070	CG14070
7679	CG14928	CG14928
7681	CG31705	CG31705
7683	CG14933	CG14933
7686	CG31760	CG31760
7696	CG5682	CG5682
7697	CG31729	CG31729
7699	CG16970	CG16970
7704	CG18507	CG18507
7705	CG18507	CG18507
7706	CG7364	CG7364
7707	CG7364	CG7364
7708	CG31765	CG31765
7712	CG15282	CG15282
7715	CG15279	CG15279
7723	CG16910	key
7735	CG8343	CG8343
7736	CG8550	CG8550
7737	CG8550	CG8550
7756	CG3796	ac
7758	CG3796	ac
7759	CG3796	ac
7760	CG4376	Actn
7761	CG4376	Actn
7776	CG5686	chico
7777	CG5686	chico
7780	CG9745	D1
7782	CG2189	Dfd
7783	CG2189	Dfd
7796	CG3929	dx
7805	CG7952	gt
7828	CG9689	CG9689
7830	CG11908	rha
7842	CG15627	CG15627
7844	CG15626	CG15626
7846	CG12194	CG12194
7852	CG31660	CG31660
7854	CG12787	hoe1
7858	CG15624	hoe2
7862	CG3792	CG3792
7863	CG3792	CG3792
7866	CG33113	Rtnl1
7868	CG6081	Cyp28d2
7870	CG10833	Cyp28d1
7871	CG10833	Cyp28d1
7878	CG7234	GluRIIB
7882	CG11149	CG11149
7885	CG14004	CG14004
7886	CG14004	CG14004
7889	CG13999	CG13999
7893	CG9159	Kr-h2
7896	CG9481	Ugt37b1
7897	CG9481	Ugt37b1
7900	CG9499	ppk7
7903	CG9501	ppk14
7904	CG9501	ppk14
7905	CG9536	CG9536
7907	CG9536	CG9536
7909	CG8776	CG8776
7922	CG12708	CG12708
7923	CG16848	CG16848
7924	CG15601	CG15601
7926	CG12297	BG4
7930	CG31741	CG31741
7933	CG10106	Tsp42Ee
7934	CG10106	Tsp42Ee
7936	CG2374	lbm
7937	CG2374	lbm
7942	CG1942	CG1942
7943	CG1942	CG1942
7944	CG8791	CG8791
7945	CG8791	CG8791
7947	CG8693	CG8693
7948	CG8693	CG8693
7949	CG8734	CG8734
7955	CG13218	CG13218
7956	CG13218	CG13218
7967	CG13170	CG13170
7976	CG30049	CG30049
7984	CG4670	CG4670
7985	CG4670	CG4670
7988	CG6016	CG6016
7989	CG6016	CG6016
7990	CG15674	CG15674
7991	CG15674	CG15674
7993	CG16974	CG16974
7995	CG7250	Toll-6
7998	CG5819	CG5819
8002	CG17559	dnt
8005	CG10946	dpr14
8006	CG10946	dpr14
8009	CG2005	
8015	CG5634	dsd
8016	CG5634	dsd
8019	CG7466	CG7466
8021	CG31665	CG31665
8024	CG3722	shg
8028	CG14883	CG14883
8029	CG14327	CG14327
8030	CG14327	CG14327
8032	CG14326	CG14326
8034	CG11715	Cyp4g15
8035	CG11715	Cyp4g15
8037	CG8105	CG8105
8038	CG6659	CG6659
8039	CG6659	CG6659
8042	CG13784	CG13784
8043	CG8372	CG8372
8052	CG6618	Patsas
8054	CG31770	He
8055	CG31770	He
8059	CG15133	CG15133
8060	CG15133	CG15133
8062	CG31744	Gr36b
8064	CG10178	CG10178
8065	CG10178	CG10178
8068	CG33120	CG33120
8070	CG13969	bwa
8071	CG13969	bwa
8101	CG7882	CG7882
8103	CG7882	CG7882
8107	CG8708	CG8708
8120	CG12935	CG12935
8121	CG12390	dare
8124	CG7777	CG7777
8126	CG30035	CG30035

8131	CG8859	Cyp6g2
8135	CG13325	CG13325
8136	CG17034	CG17034
8137	CG8166	unc-5
8138	CG8166	unc-5
8139	CG12963	CG12963
8141	CG8397	CG8397
8143	CG6657	veg
8144	CG6657	veg
8146	CG7529	CG7529
8149	CG17661	
8150	CG8889	CG8889
8152	CG15324	CG15324
8169	CG15327	CG15327
8176	CG32701	l(1)G0320
8182	CG15221	CG15221
8202	CG6665	CG6665
8214	CG30222	CG30222
8246	CG7295	CG7295
8249	CG11703	CG11703
8254	CG7026	CG7026
8257	CG7985	CG7985
8262	CG5022	CG5022
8271	CG14763	CG14763
8277	CG6225	CG6225
8281	CG32473	CG32473
8284	CG14369	CG14369
8285	CG14369	CG14369
8287	CG3360	Cyp313a1
8288	CG3360	Cyp313a1
8299	CG17929	CG17929
8301	CG5823	CG5823
8302	CG10864	CG10864
8305	CG14808	Scgdelta
8307	CG32795	CG32795
8317	CG10362	CG10362
8319	CG1492	CG1492
8320	CG1492	CG1492
8322	CG32659	Ten-a
8326	CG11162	CG11162
8328	CG9518	CG9518
8337	CG7573	CG7573
8342	CG32087	CG32087
8345	CG32087	CG32087
8346	CG5917	CG5917
8347	CG5917	CG5917
8348	CG11588	CG11588
8354	CG9760	CG9760
8357	CG6906	CAH2
8359	CG10960	CG10960
8361	CG11278	Syx13
8362	CG6650	CG6650
8363	CG6650	CG6650
8369	CG32143	CG32143
8370	CG17173	CG17173
8371	CG12327	Best3
8372	CG12327	Best3
8373	CG7255	CG7255
8374	CG7272	CG7272
8377	CG7297	pgant8
8380	CG4672	TMS1
8382	CG17245	plexB
8383	CG17245	plexB
8384	CG17319	CG17319
8385	CG17319	CG17319
8394	CG7649	Neu3
8395	CG7649	Neu3
8396	CG7565	CG7565
8397	CG33087	CG33087
8401	CG10244	Cad96Ca
8402	CG10244	Cad96Ca
8406	CG3389	Cad88C
8408	CG3389	Cad88C
8413	CG32178	Msi
8414	CG32178	Msi
8415	CG7408	CG7408
8416	CG18363	CG18363
8422	CG14095	CG14095
8423	CG14095	CG14095
8424	CG9472	CG9472
8429	CG14103	CG14103
8433	CG7385	CG7385
8436	CG5262	CG5262
8438	CG17637	CG17637
8439	CG17637	CG17637
8440	CG17637	CG17637
8445	CG3698	CG3698
8446	CG3698	CG3698
8449	CG7407	CG7407
8450	CG7442	CG7442
8451	CG11489	CG11489
8452	CG11489	CG11489
8458	CG11425	CG11425
8461	CG14455	CG14455
8463	CG11137	CG11137
8464	CG11137	CG11137
8469	CG12584	CG12584
8472	CG14662	CG14662
8477	CG2943	CG2943
8478	CG11035	CG11035
8479	CG11035	CG11035
8482	CG10094	Cyp313a2
8483	CG10094	Cyp313a2
8486	CG33976	Octbeta2R
8487	CG6017	CG6017
8492	CG4123	Mipp1
8493	CG4123	Mipp1
8495	CG9704	Nrt
8496	CG13024	CG13024
8501	CG32161	CG32161
8502	CG13029	CG13029
8516	CG6497	CG6497
8518	CG13723	CG13723
8519	CG13723	CG13723
8523	CG13725	CG13725
8528	CG13727	CG13727
8534	CG6812	CG6812
8535	CG6812	CG6812
8539	CG32432	CG32432
8540	CG32432	CG32432
8549	CG1058	rpk
8551	CG31547	CG31547
8552	CG31547	CG31547
8556	CG15590	Osi5
8558	CG15593	Osi10
8559	CG15595	Osi13
8560	CG15595	Osi13
8564	CG9361	Task7
8565	CG9361	Task7
8569	CG6658	Ugt86Di
8570	CG6658	Ugt86Di
8573	CG18578	Ugt86Da
8574	CG6653	Ugt86De
8577	CG15902	Ugt86Dj
8578	CG6977	Cad87A
8588	CG15353	CG15353
8590	CG15353	CG15353
8591	CG10880	CG10880
8593	CG31825	CG31825
8595	CG13278	CG13278
8596	CG13278	CG13278
8600	CG5050	CG5050
8602	CG31691	TotF
8605	CG12617	CG12617
8606	CG2611	CG2611
8607	CG2611	CG2611
8609	CG9338	CG9338
8610	CG14401	CG14401
8611	CG13564	CG13564
8612	CG14151	CG14151
8614	CG18087	Sgs7
8619	CG17751	CG17751
8621	CG31195	CG31195
8624	CG31198	CG31198
8627	CG31198	CG31198
8628	CG13409	CG13409
8631	CG1438	Cyp4c3
8635	CG12655	CG12655
8638	CG17063	inx6
8639	CG17063	inx6
8644	CG1467	Syx16
8645	CG15450	CG15450
8646	CG11230	CG11230
8647	CG11229	CG11229
8648	CG11229	CG11229
8651	CG32513	bves
8655	CG1801	CG1801
8658	CG14584	CG14584
8659	CG1644	Cyp6t1
8660	CG1644	Cyp6t1
8661	CG14621	CG14621
8666	CG12446	CG12446
8670	CG12466	
8673	CG17636	
8677	CG17167	
8678	CG17167	
8681	CG12061	
8682	CG12061	
8688	CG2944	gus
8690	CG3348	CG3348
8692	CG7761	pcs
8699	CG6310	CG6310
8702	CG17193	CG17193
8705	CG13408	CG13408
8706	CG11566	CG11566
8707	CG11566	CG11566
8710	CG10257	CG10257
8712	CG12845	Tsp42Ef
8717	CG12841	Tsp42Ek
8721	CG12838	Tsp42Eo
8722	CG12838	Tsp42Eo
8728	CG2064	CG2064
8729	CG2064	CG2064
8731	CG12107	CG12107
8732	CG12825	CG12825
8737	CG14763	CG14763
8739	CG8717	slv
8745	CG14752	CG14752
8747	CG8226	Tom7
8753	CG30351	
8756	CG12914	CG12914
8759	CG9035	Tapdelta
8760	CG13200	
8763	CG8972	rho-7
8765	CG8321	CG8321
8767	CG18343	CG18343
8771	CG13159	CG13159
8777	CG32843	CG32843
8780	CG17048	CG17048
8792	CG8175	Mtk
8796	CG30472	CG30472
8805	CG6426	CG6426
8812	CG18108	IM1
8814	CG18107	CG18107
8816	CG16836	CG16836
8820	CG15098	CG15098
8823	CG30154	CG30154
8825	CG13437	CG13437
8833	CG10795	CG10795
8840	CG13511	CG13511
8843	CG30411	CG30411
8846	CG11303	TM4SF
8847	CG11303	TM4SF
8857	CG7970	CG7970
8865	CG13158	Or49a
8868	CG10128	tra2
8870	CG5402	CG5402
8872	CG5156	CG5156
8873	CG15398	CG15398
8874	CG3139	syt
8875	CG3139	syt
8876	CG3139	syt
8880	CG15444	ine
8881	CG11328	Nhe3
8886	CG9289	CG9289
8888	CG9289	CG9289
8889	CG4128	nAcRalpha-30D
8890	CG4128	nAcRalpha-30D
8892	CG4722	bib
8900	CG31704	CG31704
8901	CG6579	CG6579
8903	CG15639	CG15639
8904	CG15639	CG15639
8907	CG1139	CG1139
8911	CG32282	dro4
8912	CG32282	dro4
8913	CG14969	CG14969
8916	CG32266	CG32266
8927	CG1583	CG1583
8928	CG1583	CG1583
8933	CG6203	Fmr1
8943	CG9102	bab2
8955	CG6730	Cyp4d21
8957	CG6185	CG6185
8963	CG30464	CG30464
8972	CG8297	CG8297
8976	CG8389	CG8389
8977	CG7964	Menl-1
8978	CG13338	CG13338
8982	CG15925	CG15925
8985	CG8311	CG8311
8986	CG15611	CG15611
8990	CG14485	swi2
8993	CG18635	CG18635
8994	CG18635	CG18635
8996	CG10737	CG10737
9001	CG15122	CG15122
9002	CG15122	CG15122
9003	CG11209	ppk6
9004	CG11209	ppk6
9008	CG18418	CG18418
9009	CG18418	CG18418
9011	CG10633	CG10633
9014	CG4852	Sras
9017	CG6596	CG6596
9019	CG10181	Mdr65
9024	CG9953	CG9953
9026	CG4080	CG4080
9036	CG30503	CG30503
9037	CG15004	Teh2
9044	CG13445	CG13445
9049	CG2022	CG2022
9066	CG12814	CG12814
9068	CG33959	Octbeta3R
9070	CG15887	CG15887
9072	CG15887	CG15887
9085	CG13066	CG13066
9086	CG13066	CG13066
9089	CG4101	CG4101
9092	CG11637	CG11637
9093	CG11637	CG11637
9097	CG14086	CG14086
9098	CG14086	CG14086
9101	CG9231	CG9231
9102	CG13255	CG13255
9103	CG13255	CG13255
9106	CG11458	CG11458
9116	CG14577	ORMDL
9117	CG14577	ORMDL
9120	CG32448	CG32448
9126	CG10952	eag
9127	CG10952	eag
9129	CG32594	CG32594
9130	CG9195	Scamp
9131	CG11655	CG11655
9132	CG11655	CG11655
9134	CG7872	CG7872
9138	CG8916	CG8916
9146	CG6398	CG6398
9152	CG6531	wgn
9154	CG32540	CCKLR-17D3
9157	CG7453	CG7453
9160	CG7635	Mec2
9163	CG8028	CG8028
9175	CG15012	CG15012
9176	CG15012	CG15012
9179	CG7499	Rh50
9188	CG13297	CG13297
9193	CG7498	CG7498
9199	CG14167	Ilp3
9201	CG14167	Ilp3
9206	CG32072	CG32072
9208	CG7607	CG7607
9218	CG14115	CG14115
9221	CG13462	CG13462
9222	CG13462	CG13462
9224	CG6878	CG6878
9227	CG13053	CG13053
9229	CG13069	CG13069
9233	CG13067	CG13067
9253	CG5576	imd
9258	CG7322	CG7322
9260	CG8208	MBD-like
9261	CG8208	MBD-like
9264	CG8604	Amph
9265	CG7595	ck
9271	CG3506	vas
9272	CG11099	CG11099
9274	CG11099	CG11099
9276	CG3388	gsb
9277	CG3388	gsb
9282	CG15623	c-cup
9284	CG2328	eve
9287	CG10146	AttA
9299	CG17932	Ugt36Bc
9300	CG17932	Ugt36Bc
9305	CG5559	CG5559
9310	CG33116	CG33116

9312	CG10481	CG10481	9913	CG32450	CG32450	10558	CG7464	CS-2	11683	CG32736	CG32736
9313	CG10481	CG10481	9916	CG3303	CG3303	10560	CG7464	CS-2	11686	CG32038	CG32038
9321	CG9317	CG9317	9927	CG12072	wts	10564	CG4716	CG4716	11695	CG31089	CG31089
9324	CG8237	CG8237	9931	CG4950	CG4950	10586	CG18106	IM2	11699	CG8957	CG8957
9332	CG13338	CG13338	9932	CG4950	CG4950	10589	CG18106	IM2	11703	CG14716	Ho
9340	CG11767	Or24a	9944	CG14591	CG14591	10608	CG14959	CG14959	11708	CG30043	CG30043
9346	CG1854	Or43a	9945	CG14591	CG14591	10614	CG7487	RecQ4	11710	CG13538	CG13538
9351	CG12931	Or45b	9950	CG8714	sut1	10618	CG4548	XNP	11724	CG14536	CG14536
9352	CG12931	Or45b	9951	CG8714	sut1	10635	CG10123	Top3alpha	11725	CG14536	CG14536
9354	CG13206	Or47b	9958	CG1665	CG1665	10642	CG15104	Topors	11729	CG13091	CG13091
9358	CG30129	Obp56b	9963	CG11761	translin	10642	CG15104	Topors	11730	CG9568	CG9568
9362	CG13575	CG13575	9964	CG11761	translin	10665	CG1922	onecut	11765	CG8727	cyc
9369	CG8985	DmsR-1	9965	CG13217	CG13217	10692	CG33336	p53	11767	CG9244	Acon
9370	CG8985	DmsR-1	9975	CG8942	CG8942	10758	CG6318	Rad51D	11797	CG1641	sisA
9373	CG9969	Or63a	9976	CG8942	CG8942	10759	CG6318	Rad51D	11801	CG11049	sv
9379	CG7395	NPFR76F	9981	CG3979	Indy	10766	CG8103	Mi-2	11809	CG7936	mex1
9385	CG15302	Or9a	9982	CG3979	Indy	10818	CG3169	Spt3	11812	CG12900	CG12900
9387	CG11748	Obp19a	9983	CG18294	CG18294	10825	CG6269	unc-4	11815	CG3746	CG3746
9404	CG7115	CG7115	9984	CG18294	CG18294	10830	CG5366	CG5366	11816	CG30267	CG30267
9406	CG7400	Fatp	9989	CG14186	CG14186	10836	CG4976	Mes-4	11820	CG31774	fred
9407	CG18302	CG18302	9990	CG14186	CG14186	10837	CG4976	Mes-4	11823	CG5481	lea
9409	CG18647	bin	10002	CG2019	disp	10843	CG9426	CG9426	11852	CG9245	CG9245
9417	CG2988	ems	10004	CG2019	disp	10844	CG8246	Poxn	11864	CG12994	CG12994
9419	CG2988	ems	10008	CG31259	CG31259	10850	CG31716	CG31716	11900	CG5492	Tsp74F
9420	CG14059	CG14059	10011	CG12950	CG12950	10854	CG6222	su(s)	11901	CG5492	Tsp74F
9424	CG31781	CG31781	10016	CG30044	CG30044	10932	CG5583	Ets98B	11906	CG6981	CG6981
9427	CG10202	CG10202	10018	CG30044	CG30044	10950	CG8333	HLHmgamma	11907	CG6981	CG6981
9428	CG5661	Sema-5c	10021	CG4016	Spt-I	10958	CG11783	Hr96	11925	CG11760	CG11760
9429	CG5661	Sema-5c	10022	CG6553	CG6553	11017	CG6859	CG6859	11926	CG4196	CG4196
9431	CG6890	Tollo	10023	CG6553	CG6553	11037	CG9778	CG9778	11927	CG4196	CG4196
9433	CG1891	sax	10038	CG30089	CG30089	11052	CG2616	CG2616	11963	CG11155	CG11155
9434	CG1891	sax	10039	CG30089	CG30089	11078	CG4330	CG4330	11996	CG15449	CG15449
9437	CG5227	sdk	10045	CG3615	Atg9	11090	CG15437	morgue	12016	CG9009	CG9009
9446	CG4139	Karl	10046	CG30461	CG30461	11108	CG8078	CG8078	12045	CG4319	rpr
9452	CG11437	CG11437	10046	CG30461	CG30461	11114	CG14632	CG14632	12067	CG5366	CG5366
9455	CG1158	Tim17b1	10049	CG30461	CG30461	11117	CG15095	l(2)08717	12079	CG30037	CG30037
9457	CG9376	CG9376	10050	CG30104	CG30104	11127	CG8405	CG8405	12089	CG13582	CG13582
9471	CG7449	hbs	10051	CG30104	CG30104	11133	CG10073	CG10073	12101	CG5474	SsRbeta
9487	CG4743	CG4743	10057	CG4984	CG4984	11142	CG9304	CG9304	12106	CG5027	CG5027
9489	CG2788	Dot	10058	CG5002	CG5002	11157	CG14160	CG14160	12118	CG33515	CG33515
9494	CG33508	ppk13	10059	CG5002	CG5002	11164	CG3711	CG3711	12125	CG1169	Osi18
9494	CG33508	ppk13	10061	CG33146		11166	CG3711	CG3711	12127	CG1287	CG1287
9501	CG18769	CG18769	10064	CG9416	CG9416	11178	CG6211	gce	12130	CG16905	CG16905
9513	CG33989	pHCl	10066	CG10081	CG10081	11216	CG6019	mus308	12132	CG6672	CG6672
9534	CG10251	CG10251	10067	CG16894	CG16894	11251	CG4252	mei-41	12134	CG6790	CG6790
9535	CG10251	CG10251	10105	CG32022	CG32022	11259	CG3350	bigmax	12135	CG6790	CG6790
9537	CG31280	Gr94a	10113	CG11010	Ent3	11321	CG1555	cn	12138	CG3050	Cyp6d5
9539	CG31280	Gr94a	10134	CG3443	pcx	11322	CG1555	cn	12139	CG3050	Cyp6d5
9546	CG11325	GRHR	10137	CG9659	egh	11329	CG32538	nAcRalpha-18C	12141	CG6125	CG6125
9551	CG12754	Or42b	10138	CG10742	Tsp3A	11331	CG12840	Tsp42El	12144	CG31297	CG31297
9558	CG15113	5-HT1B	10140	CG10742	Tsp3A	11344	CG11362	CG11362	12145	CG31297	CG31297
9559	CG15113	5-HT1B	10149	CG2675	Csat	11346	CG4545	SerT	12146	CG31446	CG31446
9563	CG13441	Gr57a	10171	CG31622	Gr39a	11352	CG1171	Akh	12147	CG31446	CG31446
9565	CG13495	Gr58b	10172	CG31622	Gr39a	11366	CG10674	CG10674	12148	CG7623	sll
9586	CG30197	CG30197	10199	CG17738	CG17738	11381	CG9762	l(3)neo18	12149	CG7623	sll
9594	CG2114	FR	10203	CG8773	CG8773	11392	CG12414	nAcRalpha-80B	12152	CG7700	Gos28
9603	CG11421	Pbprp3	10208	CG31247	tinc	11432	CG16974	CG16974	12154	CG4459	CG4459
9605	CG1147	NPFR1	10214	CG18208	CG18208	11434	CG17319	CG17319	12160	CG31336	Gr93b
9638	CG18030	Jon99Fi	10221	CG4686	CG4686	11461	CG8007	CG8007	12161	CG31336	Gr93b
9653	CG4007	Nrk	10251	CG12800	Cyp6d4	11462	CG8007	CG8007	12162	CG7084	CG7084
9660	CG31229	CG31229	10263	CG15551	Ctr1C	11464	CG12796	CG12796	12164	CG15538	Osi23
9661	CG14298	CG14298	10268	CG12904	CG12904	11465	CG12796	CG12796	12165	CG17245	plexB
9673	CG6982	CG6982	10269	CG4716	CG4716	11470	CG33517	D2R	12167	CG17245	plexB
9674	CG6982	CG6982	10272	CG2736	CG2736	11471	CG33517	D2R	12168	CG2316	CG2316
9674	CG6982	CG6982	10273	CG2736	CG2736	11477	CG6642	a10	12170	CG2316	CG2316
9696	CG9093	Tsp26A	10278	CG5594	CG5594	11478	CG6642	a10	12174	CG11062	activin-beta
9699	CG33129	CG33129	10281	CG3209	CG3209	11499	CG2670	Taf7	12176	CG10352	CG10352
9706	CG1361	Anp	10283	CG9184	CG9184	11514	CG13651	danr	12179	CG10352	CG10352
9710	CG1365	CecA1	10287	CG12004	CG12004	11515	CG13651	danr	12182	CG3156	CG3156
9714	CG1367	CecA2	10298	CG32146	dlp	11521	CG3260	Zfrp8	12189	CG33513	Nmdar2
9715	CG1367	CecA2	10300	CG30439		11529	CG3629	Dll	12190	CG3656	Cyp4d1
9722	CG2126	CG2126	10302	CG30273	CG30273	11536	CG15890	CG15890	12197	CG1662	CG1662
9730	CG32736	CG32736	10316	CG32230	CG32230	11538	CG15890	CG15890	12199	CG33174	CG33174
9731	CG15245	CG15245	10374	CG4215	spel1	11540	CG12398	CG12398	12216	CG3009	CG3009
9737	CG14777	CG14777	10376	CG5285	CG5285	11563	CG9981	CG9981	12226	CG3376	CG3376
9748	CG17174	ACXB	10398	CG7405	CycH	11566	CG9981	CG9981	12232	CG2727	emp
9757	CG16853	CG16853	10416	CG6312	Rfx	11574	CG8408	CG8408	12233	CG2727	emp
9763	CG4701	CG4701	10455	CG5336	Ced-12	11576	CG7536	CG7536	12238	CG32301	CG32301
9795	CG7005	Esp	10461	CG2488	phr6-4	11582	CG8051	CG8051	12242	CG1311	CG1311
9804	CG32230	CG32230	10468	CG5343	CG5343	11621	CG15003	Teh4	12250	CG1518	CG1518
9819	CG11852	CG11852	10472	CG9104	CG9104	11623	CG7730	CG7730	12272	CG9148	scf
9821	CG11852	CG11852	10480	CG9571	CG9571	11639	CG6006	CG6006	12276	CG31928	CG31928
9827	CG9151	acj6	10481	CG9876	CG9876	11641	CG6006	CG6006	12279	CG14160	CG14160
9830	CG1072	Awh	10493	CG11085	CG11085	11659	CG1499	CG1499	12298	CG7458	CG7458
9847	CG5059	CG5059	10513	CG12361	CG12361	11670	CG32528	CG32528	12333	CG31181	
9899	CG12773	CG12773	10514	CG13424	CG13424	11670	CG32528	CG32528	12339	CG12492	CG12492
9911	CG13299	CG13299	10515	CG13424	CG13424	11673	CG1819		12347	CG15779	Tre

12348	CG13786	CG13786	12723	CG3215	CG3215	12975	CG6440	Dms	13238	CG4605	Acp32CD
12354	CG15169	CG15169	12725	CG14995	CG14995	12977	CG5791	CG5791	13239	CG14913	CG14913
12356	CG10492	CG10492	12726	CG9024	Acp26Ab	12979	CG17290	CG17290	13244	CG6201	CG6201
12368	CG2915	CG2915	12731	CG2520	lap	12981	CG17290	CG17290	13244	CG6201	CG6201
12370	CG9507	CG9507	12732	CG2520	lap	12984	CG1332	CG1332	13247	CG16874	Vm32E
12371	CG11050	CG11050	12738	CG8290	CG8290	12986	CG1332	CG1332	13248	CG16874	Vm32E
12372	CG7214	CG7214	12739	CG8290	CG8290	12987	CG17298	CG17298	13259	CG3267	CG3267
12375	CG33121	CG33121	12740	CG10197	kn	12988	CG17298	CG17298	13262	CG9455	CG9455
12377	CG7219	CG7219	12743	CG1034	bcd	12991	CG32726	CG32726	13263	CG9455	CG9455
12378	CG12375	CG12375	12758	CG3909	CG3909	12995	CG16704	CG16704	13266	CG2040	hig
12392	CG5367	CG5367	12759	CG6854	CG6854	12996	CG16704	CG16704	13276	CG1371	CG1371
12397	CG7916	CG7916	12762	CG6854	CG6854	12997	CG30448	Obp56i	13279	CG12911	CG12911
12405	CG7532	CG7532	12765	CG1507	Pur-alpha	13001	CG31931	Gr22b	13280	CG12908	Ndg
12413	CG5888	CG5888	12766	CG1507	Pur-alpha	13002	CG5644	CG5644	13282	CG4017	CG4017
12414	CG4472	ldgf1	12771	CG8989	His3.3B	13004	CG5644	CG5644	13284	CG4594	CG4594
12416	CG4472	ldgf1	12772	CG17921	HmgZ	13007	CG3711	CG3711	13300	CG5027	CG5027
12422	CG4559	ldgf3	12773	CG17921	HmgZ	13008	CG3711	CG3711	13301	CG14368	CG14368
12423	CG4559	ldgf3	12774	CG31778	CG31778	13010	CG18278	CG18278	13302	CG3853	Glut3
12424	CG4580	CG4580	12775	CG13102	CG13102	13011	CG18278	CG18278	13309	CG6920	mus309
12426	CG6859	CG6859	12776	CG13102	CG13102	13014	CG33466	Fs	13310	CG6920	mus309
12432	CG8408	CG8408	12779	CG6664	CG6664	13016	CG33466	Fs	13311	CG11163	CG11163
12441	CG12414	nAcRalpha-80B	12780	CG6664	CG6664	13018	CG8194	RNaseX25	13313	CG1358	CG1358
12445	CG12714	CG12714	12785	CG12163	CG12163	13021	CG31698	CG31698	13314	CG8058	CG8058
12449	CG31089	CG31089	12787	CG12163	CG12163	13022	CG31698	CG31698	13315	CG8058	CG8058
12451	CG12511	CG12511	12795	CG14782	CG14782	13027	CG31954	CG31954	13316	CG1599	CG1599
12455	CG9244	Acon	12799	CG18431	CG18431	13029	CG17593	CG17593	13317	CG1599	CG1599
12466	CG13084	CG13084	12800	CG18431	CG18431	13030	CG3212	Sr-CIV	13319	CG6329	CG6329
12498	CG4485	Cyp9b1	12809	CG9008	CG9008	13031	CG31962	Sr-CIII	13322	CG10497	Sdc
12499	CG4485	Cyp9b1	12810	CG4440	CG4440	13032	CG31962	Sr-CIII	13323	CG13585	CG13585
12505	CG12944	Obp47a	12811	CG4440	CG4440	13035	CG11934		13330	CG17227	CG17227
12510	CG13216	CG13216	12814	CG9335	CG9335	13036	CG3355	CG3355	13331	CG17227	CG17227
12512	CG13216	CG13216	12815	CG31675	CG31675	13037	CG3355	CG3355	13334	CG5471	CG5471
12514	CG13226	CG13226	12816	CG31675	CG31675	13038	CG9287	CG9287	13335	CG5471	CG5471
12516	CG13226	CG13226	12817	CG30491	CG30491	13039	CG9287	CG9287	13336	CG3699	CG3699
12520	CG7738	CG7738	12818	CG30491	CG30491	13040	CG9466	CG9466	13338	CG12118	CG12118
12521	CG7738	CG7738	12825	CG1330	Ccp84Ae	13042	CG7631	CG7631	13340	CG12118	CG12118
12522	CG13224	CG13224	12826	CG1330	Ccp84Ae	13044	CG1271	CG1271	13341	CG9691	CG9691
12523	CG13224	CG13224	12828	CG14715	CG14715	13050	CG15248		13342	CG9691	CG9691
12526	CG9077	CG9077	12829	CG14715	CG14715	13051	CG15248		13346	CG12995	CG12995
12529	CG9076	CG9076	12830	CG14375	CG14375	13052	CG17270	CG17270	13348	CG6568	CG6568
12531	CG14760	CG14760	12831	CG14375	CG14375	13053	CG17270	CG17270	13352	CG4889	wg
12534	CG30371	CG30371	12833	CG8050	Cys	13056	CG5545	Oli	13355	CG14331	CG14331
12536	CG8697	Lcp2	12841	CG18279	IM10	13057	CG5545	Oli	13356	CG14331	CG14331
12537	CG8697	Lcp2	12843	CG18279	IM10	13062	CG6172	vnd	13358	CG7484	CG7484
12540	CG2043	Lcp3	12846	CG8401	CG8401	13086	CG4795	Cpn	13359	CG1732	CG1732
12543	CG2044	Lcp4	12848	CG13532	CG13532	13090	CG31232	CG31232	13363	CG4879	RecQ5
12544	CG8736	CG8736	12850	CG9849	CG9849	13093	CG31232	CG31232	13365	CG31137	twin
12547	CG5210	Chit	12852	CG9849	CG9849	13094	CG7397	CG7397	13366	CG31137	twin
12548	CG5210	Chit	12854	CG32356	ImpE1	13103	CG32703	CG32703	13369	CG2794	CG2794
12551	CG6301	CG6301	12855	CG32356	ImpE1	13108	CG5897	CG5897	13370	CG17648	CG17648
12552	CG6301	CG6301	12857	CG4363	CG4363	13110	CG8757	CG8757	13372	CG15358	CG15358
12559	CG5041	Tfb4	12862	CG30392	CG30392	13115	CG7460	CG7460	13373	CG15358	CG15358
12563	CG4935	CG4935	12863	CG9847	Fkbp13	13116	CG7460	CG7460	13375	CG7334	Sug
12567	CG1650	unpg	12864	CG9847	Fkbp13	13118	CG32170	CG32170	13376	CG7334	Sug
12588	CG6577	can	12875	CG5597	CG5597	13119	CG32170	CG32170	13377	CG12501	Or56a
12589	CG6577	can	12876	CG13565	CG13565	13123	CG18811	CG18811	13378	CG12501	Or56a
12606	CG1343	Sp1	12877	CG3541	pio	13127	CG18136	CG18136	13380	CG7303	Gr68a
12607	CG1343	Sp1	12879	CG3663	CG3663	13127	CG18136	CG18136	13381	CG7303	Gr68a
12608	CG13475	HGTX	12890	CG6736	Ilp4	13136	CG14655	CG14655	13384	CG14575	capaR
12616	CG9207	Gas41	12895	CG9449	CG9449	13140	CG31546	CG31546	13385	CG14575	capaR
12620	CG6258	RfC38	12899	CG3734	CG3734	13144	CG31548	CG31548	13386	CG10609	Or83b
12622	CG10215	Ercc1	12907	CG4000	CG4000	13145	CG2108	Rab23	13389	CG7454	Or85a
12624	CG10215	Ercc1	12909	CG10157	CG10157	13147	CG2108	Rab23	13392	CG6515	Takr86C
12627	CG12176	Lig4	12911	CG10157	CG10157	13152	CG32468	CG32468	13399	CG14040	CG14040
12630	CG1410	waw	12915	CG6164	CG6164	13159	CG14704	PGRP-LB	13402	CG14024	CG14024
12631	CG1410	waw	12916	CG17780	CG17780	13163	CG5966	CG5966	13407	CG9254	CG9254
12638	CG7659	tap	12918	CG5768	CG5768	13164	CG5966	CG5966	13409	CG9254	CG9254
12639	CG7659	tap	12919	CG8342	m1	13174	CG1546	PH4alphaSG2	13410	CG31686	CG31686
12644	CG1064	Snr1	12920	CG7929	ocn	13187	CG3003	CG3003	13412	CG17240	Ser12
12649	CG1046	zen	12927	CG31997	CG31997	13188	CG1386	antdh	13413	CG17240	Ser12
12655	CG7895	tin	12928	CG31997	CG31997	13189	CG9360	CG9360	13416	CG4271	CG4271
12662	CG6545	lbe	12937	CG17058	Peritrophin-A	13190	CG3754	CG3754	13417	CG4271	CG4271
12670	CG3697	mei-9	12938	CG17058	Peritrophin-A	13197	CG15462	CG15462	13418	CG16987	Alp23B
12676	CG3240	Rad1	12939	CG1696	l(1)G0269	13203	CG4793	CG4793	13420	CG16987	Alp23B
12677	CG3240	Rad1	12941	CG1696	l(1)G0269	13206	CG31709	CG31709	13429	CG7397	CG7397
12680	CG17161	grp	12947	CG11266	CG11266	13207	CG4382	CG4382	13431	CG14304	CG14304
12684	CG11482	Mlh1	12949	CG6044	CG6044	13208	CG4382	CG4382	13432	CG14304	CG14304
12685	CG11482	Mlh1	12951	CG6044	CG6044	13209	CG13120	CG13120	13436	CG31172	CG31172
12689	CG7786	CG7786	12958	CG7710	CG7710	13211	CG13120	CG13120	13437	CG31172	CG31172
12692	CG9310	Hnf4	12959	CG7710	CG7710	13213	CG7179	CG7179	13444	CG32703	CG32703
12704	CG3839	l(1)sc	12960	CG8960	CG8960	13218	CG31918	CG31918	13450	CG31912	CG31912
12706	CG4148	wek	12962	CG32284	CG32284	13220	CG31918	CG31918	13451	CG31912	CG31912
12707	CG4148	wek	12965	CG17280	CG17280	13222	CG9021	CG9021	13452	CG31644	CG31644
12709	CG5954	l(3)mbt	12966	CG10812	dro5	13225	CG7249		13457	CG30498	boca
12711	CG9954	maf-S	12969	CG10530	Lcp65Ag1	13226	CG7249		13459	CG14945	CG14945
12712	CG9954	maf-S	12970	CG10530	Lcp65Ag1	13235	CG9048	Vm26Aa	13460	CG14945	CG14945
12721	CG7074	mio	12972	CG13061	Nplp3	13236	CG9048	Vm26Aa	13463	CG12517	CG12517

13469	CG16997	CG16997
13471	CG14454	CG14454
13474	CG30037	CG30037
13478	CG33174	CG33174
13480	CG1311	CG1311
13489	CG7968	CG7968
13490	CG7532	CG7532
13496	CG3907	CG3907
13500	CG14830	CG14830
13502	CG8222	Pvr
13503	CG8222	Pvr
13516	CG14374	CG14374
13520	CG13419	burs
13525	CG3740	CG3740
13534	CG1552	CG1552
13538	CG1537	CG1537
13542	CG7818	CG7818
13546	CG2053	CG2053
13549	CG6890	Tollo
13550	CG13654	CG13654
13555	CG3054	l(2)k05819
13556	CG3054	l(2)k05819
13560	CG7285	star1
13562	CG10612	Or83a
13563	CG10612	Or83a
13569	CG13417	Gr93a
13571	CG13417	Gr93a
13573	CG12697	Or13a
13576	CG14007	CG14007
13584	CG14274	CG14274
13585	CG14274	CG14274
13597	CG2081	Vago
13601	CG15201	CG15201
13603	CG15201	CG15201
13605	CG15197	
13617	CG12189	Rev1
13643	CG10898	CG10898
13649	CG10694	CG10694
13650	CG5524	CG5524
13654	CG11525	CycG
13655	CG11525	CycG
13657	CG1981	Thd1
13673	CG2075	aly
13679	CG7960	Bro
13690	CG12153	Hira
13693	CG12153	Hira
13710	CG2678	CG2678
13719	CG11921	fd96Ca
13720	CG11922	fd96Cb
13721	CG11922	fd96Cb
13724	CG3052	HLH4C
13730	CG15779	Tre
13736	CG14760	CG14760
13737	CG30371	CG30371
13744	CG12653	btd
13749	CG15101	Jheh1
13751	CG1668	Pbprp2
13760	CG6011	Prp18
13761	CG2183	CG2183
13769	CG6723	CG6723
13770	CG3631	CG3631
13772	CG14919	Ast-C
13773	CG14919	Ast-C
13774	CG9921	CG9921
13786	CG5104	CG5104
13787	CG5104	CG5104
13788	CG9399	CG9399
13789	CG9399	CG9399
13791	CG17734	CG17734
13799	CG30145	Obp57e
13804	CG8492	CG8492
13806	CG3940	CG3940
13807	CG3940	CG3940
13808	CG4115	CG4115
13816	CG5225	CG5225
13821	CG18349	CG18349
13823	CG14147	CG14147
13824	CG14147	CG14147
13829	CG7512	CG7512
13830	CG7512	CG7512
13833	CG32095	CG32095
13838	CG13517	Obp59a
13839	CG1179	LysB
13842	CG1180	LysE
13843	CG1180	LysE
13845	CG4373	Cyp6d2
13846	CG4373	Cyp6d2
13860	CG6519	Cp15
13861	CG13308	CG13308
13862	CG13308	CG13308
13863	CG7225	wbl
13865	CG15905	CG15905
13866	CG15905	CG15905
13868	CG13443	CG13443
13869	CG13443	CG13443
13873	CG30293	CG30293
13876	CG3986	Cht4
13879	CG9394	CG9394
13880	CG9394	CG9394
13884	CG30289	CG30289
13886	CG1165	LysS
13887	CG3134	ord
13888	CG3134	ord
13889	CG30413	CG30413
13905	CG3443	pcx
13906	CG12507	CG12507
13907	CG12998	CG12998
13908	CG12998	CG12998
13909	CG9029	CG9029
13910	CG9029	CG9029
13911	CG11124	sPLA2
13912	CG33087	CG33087
13913	CG33087	CG33087
13918	CG12374	CG12374
13919	CG12374	CG12374
13921	CG18537	CG18537
13922	CG18537	CG18537
13929	CG10924	CG10924
13930	CG10924	CG10924
13937	CG8247	CG8247
13947	CG30046	CG30046
13948	CG30046	CG30046
13950	CG13155	CG13155
13952	CG13155	CG13155
13955	CG13154	CG13154
13957	CG6337	CG6337
13959	CG6692	Cp1
13965	CG30072	Obp50c
13966	CG30072	Obp50c
13968	CG30074	Obp50d
13969	CG10104	CG10104
13971	CG10112	CG10112
13973	CG10265	CG10265
13974	CG10265	CG10265
13978	CG8152	CG8152
13979	CG8192	CG8192
13980	CG8424	Jhedup
13981	CG8424	Jhedup
13983	CG33960	CG33960
13984	CG4398	CG4398
13985	CG12091	CG12091
13987	CG12091	CG12091
13990	CG12014	CG12014
13991	CG14973	CG14973
13992	CG14973	CG14973
13994	CG5954	l(3)mbt
13996	CG11354	Lim1
13998	CG14025	Bsg25D
14004	CG10157	CG10157
14005	CG17780	CG17780
14013	CG5896	CG5896
14014	CG5896	CG5896
14017	CG32245	CG32245
14021	CG7948	spn-A
14028	CG8640	CG8640
14029	CG8640	CG8640
14035	CG3441	Nplp1
14038	CG33278	CG33278
14038	CG33278	CG33278
14039	CG32040	CG32040
14047	CG14642	CG14642
14054	CG6289	CG6289
14059	CG31473	CG31473
14060	CG13312	CG13312
14061	CG13312	CG13312
14062	CG13312	CG13312
14064	CG5653	CG5653
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14067	CG6947	CG6947
14068	CG6947	CG6947
14069	CG11538	CG11538
14071	CG14118	CG14118
14072	CG10748	CG10748
14074	CG10748	CG10748
14077	CG14110	CG14110
14082	CG17368	CG17368
14083	CG11131	CG11131
14087	CG7906	CG7906
14089	CG4613	CG4613
14091	CG13480	Leucokinin
14102	CG31686	CG31686
14109	CG14153	CG14153
14110	CG14153	CG14153
14115	CG6409	CG6409
14116	CG12522	CG12522
14123	CG1179	LysB
14125	CG3200	Reg-2
14127	CG13506	CG13506
14128	CG13506	CG13506
14133	CG13309	CG13309
14134	CG13309	CG13309
14136	CG4974	dally
14141	CG30141	Obp57a
14146	CG9863	CG9863
14148	CG9863	CG9863
14154	CG8286	CG8286
14158	CG10284	CG10284
14163	CG4317	Mipp2
14164	CG4317	Mipp2
14167	CG8927	CG8927
14168	CG8927	CG8927
14169	CG9384	CG9384
14170	CG9384	CG9384
14180	CG18581	CG18581
14181	CG18581	CG18581
14185	CG12310	CG12310
14186	CG12310	CG12310
14195	CG17081	CG17081
14201	CG18090	Dsk
14202	CG18090	Dsk
14205	CG9780	CG9780
14206	CG3088	CG3088
14208	CG18179	CG18179
14209	CG18179	CG18179
14215	CG9040	CG9040
14217	CG8947	26-29-p
14220	CG5895	CG5895
14221	CG5895	CG5895
14226	CG13075	CG13075
14231	CG13043	CG13043
14232	CG13063	CG13063
14233	CG13063	CG13063
14241	CG4818	CG4818
14243	CG12255	CG12255
14246	CG13035	CG13035
14247	CG13035	CG13035
14250	CG13033	CG13033
14251	CG13033	CG13033
14255	CG4229	CG4229
14256	CG4229	CG4229
14259	CG32163	CG32163
14260	CG32163	CG32163
14263	CG4098	CG4098
14265	CG4098	CG4098
14268	CG4086	Su(P)
14269	CG4086	Su(P)
14279	CG7842	CG7842
14281	CG6485	CG6485
14282	CG6485	CG6485
14291	CG7542	CG7542
14294	CG32191	CG32191
14295	CG32191	CG32191
14297	CG32188	CG32188
14298	CG32188	CG32188
14301	CG16775	CG16775
14303	CG16775	CG16775
14305	CG7354	mRpS26
14328	CG14075	CG14075
14335	CG11577	CG11577
14337	CG14079	CG14079
14343	CG9451	CG9451
14344	CG9451	CG9451
14349	CG9290	CG9290
14351	CG31418	CG31418
14352	CG31418	CG31418
14355	CG5413	CREG
14356	CG5413	CREG
14360	CG17283	CG17283
14361	CG5860	CG5860
14362	CG5860	CG5860
14365	CG5863	CG5863
14366	CG5863	CG5863
14370	CG5866	CG5866
14375	CG14323	CG14323
14377	CG7660	pxt
14379	CG7660	pxt
14381	CG17802	CG17802
14394	CG7714	CG7714
14397	CG13633	Ast
14398	CG13633	Ast
14400	CG3097	CG3097
14403	CG15769	CG15769
14407	CG32755	CG32755
14408	CG32755	CG32755
14413	CG4790	fs(1)M3
14415	CG31509	TotA
14425	CG5849	CG5849
14426	CG5849	CG5849
14429	CG6705	tsl
14430	CG6705	tsl
14431	CG6575	glec
14433	CG17820	fit
14434	CG17820	fit
14439	CG6690	CG6690
14443	CG6439	CG6439
14447	CG7080	CG7080
14448	CG7080	CG7080
14452	CG5391	CG5391
14461	CG5379	CG5379
14465	CG13003	CG13003
14471	CG15927	CG15927
14474	CG13856	CG13856
14478	CG17625	CG17625
14484	CG4725	CG4725
14485	CG13834	CG13834
14491	CG1469	Fer2LCH
14495	CG18030	Jon99Fi
14501	CG31013	CG31013
14504	CG1342	CG1342
14505	CG1342	CG1342
14510	CG14626	CG14626
14511	CG14626	CG14626
14515	CG11380	CG11380
14524	CG3095	hfw
14527	CG3100	b6
14528	CG3109	mRpL16
14537	CG3588	CG3588
14542	CG32793	CG32793
14544	CG14423	CG14423
14546	CG17959	CG17959
14552	CG10788	ng3
14561	CG15754	CG15754
14563	CG15760	CG15760
14571	CG10992	CG10992
14572	CG32772	CG32772
14590	CG11642	TRAM
14593	CG14631	CG14631
14598	CG3540	Cyp4d14
14599	CG3540	Cyp4d14
14605	CG2233	CG2233
14610	CG10962	CG10962
14613	CG32702	CG32702
14621	CG9686	CG9686
14622	CG9686	CG9686
14624	CG1780	ldgf4
14629	CG1791	CG1791
14630	CG15252	CG15252
14631	CG15252	CG15252
14635	CG32685	CG32685
14640	CG15311	CG15311
14646	CG32683	CG32683
14648	CG32683	CG32683
14650	CG9673	CG9673
14651	CG9673	CG9673
14661	CG5162	CG5162
14664	CG5988	upd2
14666	CG6186	Tsf1
14669	CG15046	CG15046
14670	CG15046	CG15046
14671	CG15044	CG15044
14677	CG14218	CG14218
14680	CG2071	Ser6
14689	CG18641	CG18641
14690	CG15412	CG15412
14692	CG1621	CG1621
14693	CG14538	CG14538
14695	CG15267	CG15267
14696	CG15267	CG15267

14698	CG31148	CG31148
14703	CG6173	kal-1
14704	CG6173	kal-1
14705	CG6182	CG6182
14706	CG6182	CG6182
14709	CG5715	CG5715
14710	CG5715	CG5715
14713	CG13618	CG13618
14714	CG13618	CG13618
14715	CG13640	CG13640
14716	CG13640	CG13640
14717	CG13641	CG13641
14720	CG31381	CG31381
14730	CG13661	
14732	CG10669	CG10669
14734	CG11909	CG11909
14735	CG11909	CG11909
14737	CG11910	CG11910
14738	CG11910	CG11910
14739	CG31437	CG31437
14741	CG31437	CG31437
14743	CG4553	CG4553
14746	CG4553	CG4553
14747	CG5112	CG5112
14749	CG5112	CG5112
14750	CG5107	CG5107
14756	CG31094	LpR1
14767	CG33344	CcapR
14768	CG33344	CcapR
14770	CG6296	CG6296
14771	CG6296	CG6296
14774	CG6295	CG6295
14775	CG6295	CG6295
14778	CG17192	CG17192
14780	CG6283	CG6283
14787	CG6452	CG6452
14788	CG6452	CG6452
14789	CG5476	CG5476
14791	CG31080	CG31080
14793	CG14243	CG14243
14797	CG5480	CG5480
14801	CG6403	CG6403
14803	CG3135	shf
14804	CG13002	CG13002
14805	CG13002	CG13002
14807	CG9540	Ag5r2
14809	CG9512	CG9512
14810	CG9504	Eo
14811	CG9504	Eo
14814	CG5560	CG5560
14824	CG1478	Cp36
14826	CG1478	Cp36
14832	CG9240	CG9240
14833	CG9240	CG9240
14835	CG8952	CG8952
14837	CG8959	CG8959
14844	CG12558	CG12558
14845	CG12558	CG12558
14849	CG11841	CG11841
14851	CG11842	CG11842
14853	CG11842	CG11842
14855	CG11470	CG11470
14856	CG11470	CG11470
14859	CG7598	CG7598
14861	CG7598	CG7598
14865	CG15528	CG15528
14866	CG15529	CG15529
14867	CG15529	CG15529
14868	CG32687	CG32687
14869	CG2124	CG2124
14870	CG2111	CG2111
14872	CG32677	CG32677
14873	CG32677	CG32677
14879	CG1837	CG1837
14892	CG1505	gd
14894	CG1502	tsg
14895	CG2560	CG2560
14898	CG2559	Lsp1alpha
14901	CG15721	CG15721
14906	CG9782	CG9782
14910	CG10898	CG10898
14916	CG5465	MED16
14918	CG2380	Nfl
14921	CG9921	CG9921
14925	CG1607	CG1607
14929	CG8492	CG8492
14931	CG1179	LysB
14934	CG3443	pcx
14939	CG14110	CG14110
14956	CG6575	glec
14959	CG15760	CG15760
14967	CG31606	CG31606
14968	CG31606	CG31606
14972	CG16812	CG16812
15005	CG13334	CG13334
15007	CG13334	CG13334
15009	CG10249	CG10249
15012	CG12011	CG12011
15028	CG12582	CG12582
15053	CG12262	CG12262
15069	CG2852	CG2852
15071	CG31882	CG31882
15072	CG31882	CG31882
15074	CG30380	CG30380
15075	CG30380	CG30380
15085	CG30072	Obp50c
15086	CG30072	Obp50c
15091	CG13524	Obp58c
15093	CG18773	Lcp65Ab2
15094	CG18773	Lcp65Ab2
15096	CG1262	Acp62F
15097	CG1262	Acp62F
15101	CG30150	Obp57d
15103	CG9094	CG9094
15104	CG9094	CG9094
15140	CG11672	CG11672
15146	CG8458	wntD
15151	CG31219	CG31219
15157	CG18550	yellow-f
15161	CG8358	CG8358
15171	CG8953	Actn3
15172	CG8953	Actn3
15179	CG14500	CG14500
15181	CG14500	CG14500
15196	CG30088	CG30088
15203	CG7047	CG7047
15204	CG7047	CG7047
15207	CG32063	CG32063
15210	CG30414	CG30414
15211	CG30414	CG30414
15212	CG3344	CG3344
15213	CG3344	CG3344
15222	CG9283	CG9283
15223	CG9283	CG9283
15226	CG14309	CG14309
15228	CG14309	CG14309
15233	CG13850	CG13850
15234	CG13850	CG13850
15235	CG4408	CG4408
15236	CG4408	CG4408
15239	CG16786	CG16786
15240	CG16786	CG16786
15241	CG3640	CG3640
15242	CG3640	CG3640
15245	CG10142	Ance-5
15246	CG10142	Ance-5
15249	CG2811	CG2811
15251	CG15861	CG15861
15253	CG12191	dpr20
15254	CG12191	dpr20
15260	CG7879	CG7879
15261	CG13926	CG13926
15265	CG1919	CG1919
15268	CG32302	CG32302
15270	CG13802	CG13802
15271	CG13802	CG13802
15273	CG14961	CG14961
15285	CG32269	CG32269
15288	CG12078	CG12078
15290	CG12078	CG12078
15291	CG10847	enc
15293	CG14989	CG14989
15294	CG10163	CG10163
15295	CG10163	CG10163
15299	CG6467	Jon65Aiv
15300	CG6467	Jon65Aiv
15302	CG9291	Elongin-C
15305	CG11051	Nplp2
15306	CG11051	Nplp2
15309	CG16817	CG16817
15314	CG9016	CG9016
15318	CG11182	PHDP
15320	CG1411	CRMP
15323	CG32388	CG32388
15324	CG32388	CG32388
15334	CG2859	Taf10
15340	CG5603	CYLD
15342	CG10699	Lim3
15344	CG11301	Mes4
15350	CG9648	Max
15354	CG7018	Ets65A
15355	CG7018	Ets65A
15360	CG13430	CG13430
15361	CG13430	CG13430
15364	CG18749	CG18749
15366	CG12163	CG12163
15370	CG11668	CG11668
15372	CG6281	Timp
15373	CG6281	Timp
15375	CG9427	CG9427
15384	CG15066	IM23
15385	CG15066	IM23
15387	CG4604	GLaz
15389	CG4604	GLaz
15394	CG13432	l(2)05510
15397	CG12023	GV1
15401	CG11905	CG11905
15410	CG4815	CG4815
15412	CG11382	CG11382
15415	CG3309	CG3309
15421	CG6448	CG6448
15426	CG10036	otp
15428	CG9280	Glt
15429	CG9280	Glt
15431	CG17914	yellow-b
15433	CG30062	CG30062
15434	CG13912	CG13912
15435	CG13912	CG13912
15436	CG13653	CG13653
15437	CG13653	CG13653
15440	CG9997	CG9997
15444	CG32498	dnc
15445	CG15664	
15447	CG4269	CG4269
15456	CG14820	CG14820
15467	CG4347	UGP
15471	CG33096	CG33096
15472	CG33096	CG33096
15475	CG1839	CG1839
15476	CG1839	CG1839
15478	CG11093	CG11093
15486	CG11734	HERC2
15491	CG1812	CG1812
15503	CG8871	Jon25Biii
15506	CG8335	CG8335
15507	CG8335	CG8335
15508	CG12140	CG12140
15512	CG15917	CG15917
15514	CG30101	CG30101
15518	CG4180	l(2)35Bg
15520	CG6459	CG6459
15522	CG13113	CG13113
15523	CG13113	CG13113
15524	CG4619	CG4619
15525	CG13282	CG13282
15526	CG13282	CG13282
15529	CG5758	CG5758
15533	CG8729	mh1
15534	CG8729	mh1
15536	CG9505	CG9505
15543	CG5731	CG5731
15555	CG4427	cbt
15561	CG11374	CG11374
15562	CG11374	CG11374
15574	CG2973	CG2973
15577	CG2772	CG2772
15587	CG9463	CG9463
15589	CG9463	CG9463
15590	CG9468	CG9468
15591	CG9468	CG9468
15603	CG15254	CG15254
15607	CG11865	CG11865
15622	CG6619	CG6619
15627	CG10984	CG10984
15639	CG31324	CG31324
15640	CG31324	CG31324
15645	CG5358	Art4
15646	CG3359	mfas
15649	CG5854	CG5854
15650	CG33340	CG33340
15652	CG33340	CG33340
15660	CG1837	CG1837
15664	CG8661	CG8661
15666	CG2071	Ser6
15669	CG10445	CG10445
15671	CG4913	ear
15672	CG4913	ear
15675	CG3756	CG3756
15679	CG5899	CG5899
15681	CG5899	CG5899
15684	CG5371	RnrL
15695	CG8153	mus210
15696	CG8153	mus210
15710	CG6046	Bin1
15716	CG10604	bsh
15723	CG8319	CG8319
15726	CG32598	CG32598
15726	CG32598	CG32598
15727	CG32598	CG32598
15727	CG32598	CG32598
15732	CG16899	CG16899
15735	CG16899	CG16899
15754	CG3998	zf30C
15757	CG33115	CG33115
15758	CG16873	CG16873
15760	CG16873	CG16873
15762	CG18125	CG18125
15763	CG18125	CG18125
15765	CG18478	CG18478
15766	CG18478	CG18478
15769	CG18478	CG18478
15771	CG11864	CG11864
15772	CG11864	CG11864
15776	CG9342	CG9342
15778	CG10730	CG10730
15779	CG10730	CG10730
15781	CG12551	CG12551
15782	CG7865	PNGase
15789	CG8696	LvpH
15791	CG8695	LvpL
15794	CG11669	CG11669
15795	CG11669	CG11669
15798	CG8690	CG8690
15800	CG8690	CG8690
15805	CG6421	CG6421
15810	CG4700	Sema-2a
15811	CG4700	Sema-2a
15817	CG1363	blow
15818	CG1363	blow
15820	CG4922	sala
15821	CG4922	sala
15824	CG14929	CG14929
15825	CG14929	CG14929
15828	CG31706	CG31706
15832	CG14934	CG14934
15833	CG14934	CG14934
15840	CG14570	CG14570
15841	CG14570	CG14570
15843	CG31461	CG31461
15846	CG7049	CG7049
15847	CG7049	CG7049
15854	CG18180	CG18180
15855	CG18180	CG18180
15858	CG14290	CG14290
15861	CG11699	CG11699
15876	CG11607	H2.0
15879	CG6339	rad50
15880	CG2525	Hus1-like
15881	CG2525	Hus1-like
15884	CG31196	14-3-3epsilon
15895	CG5649	kin17
15902	CG31733	ms(2)35Ci
15907	CG32280	CG32280
15908	CG32280	CG32280
15911	CG32280	CG32280
15914	CG13073	CG13073
15919	CG11186	toy
15925	CG8540	Cyp316a1
15926	CG8540	Cyp316a1
15927	CG33275	CG33275
15933	CG14166	CG14166
15935	CG14166	CG14166
15938	CG14636	CG14636
15939	CG14636	CG14636
15941	CG31516	CG31516
15947	CG10068	CG10068
15948	CG10068	CG10068
15952	CG7017	CG7017

15957	CG5517	Ide	16193	CG11112	CG11112	16478	CG31077	CG31077	16813	CG31332	unc-115
15958	CG5517	Ide	16199	CG11447	CG11447	16484	CG14240	CG14240	16818	CG31222	CG31222
15961	CG5883	CG5883	16202	CG11448	CG11448	16486	CG14240	CG14240	16827	CG12028	dib
15962	CG9781	CG9781	16203	CG11448	CG11448	16487	CG5471	CG5471	16828	CG10799	CG10799
15963	CG9781	CG9781	16204	CG11456	CG11456	16488	CG5471	CG5471	16829	CG10799	CG10799
15964	CG7248	CG7248	16205	CG11513	armi	16492	CG31081	CG31081	16832	CG4744	CG4744
15965	CG7248	CG7248	16206	CG11513	armi	16497	CG9521	CG9521	16833	CG4744	CG4744
15966	CG32457	CG32457	16215	CG11534	CG11534	16501	CG9519	CG9519	16836	CG6347	CG6347
15966	CG32457	CG32457	16216	CG11534	CG11534	16503	CG9519	CG9519	16837	CG6347	CG6347
15968	CG32457	CG32457	16222	CG11574	CG11574	16505	CG5599	CG5599	16840	CG7997	CG7997
15970	CG7924	CG7924	16224	CG11585	CG11585	16513	CG12111	CG12111	16841	CG9897	CG9897
15973	CG7924	CG7924	16225	CG11585	CG11585	16518	CG15641	CG15641	16842	CG1934	ImpE2
15974	CG9598	CG9598	16231	CG11620	CG11620	16531	CG11951	CG11951	16843	CG7072	CG7072
15975	CG9598	CG9598	16233	CG3206	Or2a	16532	CG11951	CG11951	16844	CG12330	CG12330
15979	CG33983	CG33983	16234	CG3206	Or2a	16536	CG31041	CG31041	16845	CG12330	CG12330
15980	CG33983	CG33983	16236	CG8852	CG8852	16537	CG31041	CG31041	16850	CG10743	CG10743
15982	CG10183	CG10183	16240	CG11621	Pi3K68D	16539	CG7610	ATPsyn-gamma	16851	CG10743	CG10743
15988	CG8784	CG8784	16245	CG11634	CG11634	16540	CG7829	CG7829	16854	CG15118	CG15118
15989	CG8784	CG8784	16246	CG11634	CG11634	16541	CG7829	CG7829	16855	CG9036	CG9036
15990	CG10238	CG10238	16251	CG11654	Ahcy13	16543	CG31039	Jon99Ci	16856	CG9036	CG9036
15992	CG10254	CG10254	16255	CG11658	CG11658	16549	CG9682	CG9682	16858	CG18066	CG18066
15999	CG10269	D19A	16260	CG11659	CG11659	16550	CG2889	CG2889	16861	CG9822	CG9822
16002	CG10286	CG10286	16267	CG33208	MICAL	16552	CG2889	CG2889	16862	CG9822	CG9822
16003	CG10286	CG10286	16270	CG11693	CG11693	16569	CG12951	CG12951	16865	CG5303	mei-S332
16010	CG10300	CG10300	16280	CG11710	CG11710	16573	CG11459	CG11459	16871	CG9192	CG9192
16011	CG10300	CG10300	16285	CG11719	Mst98Ca	16574	CG11459	CG11459	16876	CG31973	CG31973
16019	CG10336	CG10336	16292	CG11752	CG11752	16577	CG1331	Ccp84Af	16877	CG9150	CG9150
16020	CG10340	CG10340	16294	CG11757	CG11757	16583	CG10029	CG10029	16878	CG9150	CG9150
16025	CG10347	CG10347	16296	CG11757	CG11757	16587	CG31207	CG31207	16882	CG14935	CG14935
16034	CG10361	CG10361	16298	CG11759	Kap3	16588	CG10824	CG10824	16888	CG32424	
16036	CG10365	CG10365	16299	CG11759	Kap3	16594	CG6073	CG6073	16890	CG32424	
16037	CG10365	CG10365	16304	CG33719	Pif1A	16596	CG6069		16892	CG1374	tsh
16048	CG10426	CG10426	16304	CG33719	Pif1A	16597	CG6069		16896	CG3830	vg
16052	CG10473	CG10473	16305	CG33719	Pif1A	16600	CG6753	CG6753	16897	CG14291	CG14291
16057	CG10493	CG10493	16305	CG33719	Pif1A	16601	CG8063	yellow-f2	16902	CG2146	didum
16059	CG10494	CG10494	16308	CG11776	CG11776	16603	CG8063	yellow-f2	16904	CG15661	CG15661
16061	CG10496	CG10496	16313	CG11804	ced-6	16606	CG31218	CG31218	16906	CG3622	CG3622
16062	CG10504	Ilk	16319	CG11808	CG11808	16607	CG31218	CG31218	16912	CG11262	CG11262
16063	CG10514	CG10514	16323	CG11828	CG11828	16610	CG17210	scpr-B	16923	CG8581	fra
16064	CG10527	CG10527	16324	CG11828	CG11828	16619	CG11335	lox	16936	CG5731	CG5731
16065	CG10527	CG10527	16334	CG11870	CG11870	16622	CG1774	CG1774	16957	CG10932	CG10932
16071	CG10531	CG10531	16342	CG11875	CG11875	16623	CG1774	CG1774	16958	CG10939	Slp1
16072	CG10531	CG10531	16347	CG11878	CG11878	16625	CG2135	CG2135	16961	CG10555	CG10555
16073	CG32944	CG32944	16348	CG11878	CG11878	16628	CG2135	CG2135	16962	CG10555	CG10555
16074	CG32944	CG32944	16352	CG11881	CG11881	16629	CG2053	CG2053	16963	CG10561	CG10561
16078	CG10536	cbx	16357	CG11893	CG11893	16632	CG9792	yellow-e	16966	CG10642	Klp64D
16082	CG10887	CG10887	16360	CG11899	CG11899	16633	CG9792	yellow-e	16978	CG15696	CG15696
16084	CG10899	CG10899	16361	CG11902	CG11902	16639	CG9621	Adgf-D	16979	CG15696	CG15696
16085	CG10907	CG10907	16362	CG11902	CG11902	16641	CG9621	Adgf-D	16986	CG16858	vkg
16088	CG1091	CG1091	16364	CG11906	CG11906	16643	CG9345	Adgf-C	16987	CG17970	Cyp4ac2
16089	CG1091	CG1091	16366	CG11913	CG11913	16646	CG9312	CG9312	16988	CG17970	Cyp4ac2
16091	CG10920	CG10920	16369	CG11940	CG11940	16652	CG3153	CG3153	16989	CG12164	CG12164
16092	CG10920	CG10920	16374	CG11971	CG11971	16656	CG14840	CG14840	16990	CG12164	CG12164
16094	CG10927	CG10927	16376	CG11977	CG11977	16660	CG14841	CG14841	16991	CG7548	CG7548
16095	CG10927	CG10927	16383	CG12001	CG12001	16661	CG14841	CG14841	16996	CG10559	CG10559
16096	CG10930	PpY-55A	16386	CG12068	CG12068	16665	CG3599	CG3599	17006	CG10822	CG10822
16097	CG10930	PpY-55A	16388	CG12068	CG12068	16668	CG4058	Nep4	17013	CG10839	CG10839
16099	CG10932	CG10932	16390	CG12090	CG12090	16669	CG4058	Nep4	17015	CG12114	CG12114
16108	CG10939	Slp1	16391	CG12094		16671	CG4000	CG4000	17017	CG12117	Sptr
16116	CG10947	CG10947	16392	CG12094		16675	CG31199	CG31199	17018	CG12117	Sptr
16117	CG10947	CG10947	16398	CG12104	CG12104	16677	CG6378	BM-40-SPARC	17021	CG12123	CG12123
16120	CG10951	niki	16399	CG12106	CG12106	16678	CG6378	BM-40-SPARC	17029	CG12126	CG12126
16121	CG10951	niki	16401	CG33966	CG33966	16698	CG13524	Obp58c	17035	CG12149	c12.2
16123	CG10959	CG10959	16402	CG2723	ImpE3	16705	CG5235	CG5235	17036	CG12149	c12.2
16125	CG10961	Traf2	16403	CG2723	ImpE3	16717	CG32498	dnc	17046	CG12171	CG12171
16126	CG10961	Traf2	16414	CG11698	CG11698	16719	CG3634	CG3634	17049	CG12177	CG12177
16133	CG10967	Atg1	16416	CG3953	l(3)IX-14	16734	CG17580	CG17580	17052	CG12204	CG12204
16135	CG10970	CG10970	16420	CG11337	CG11337	16744	CG15749	dmrt11E	17054	CG12232	Galpha73B
16136	CG10970	CG10970	16422	CG11337	CG11337	16746	CG5133	Doc1	17056	CG12232	Galpha73B
16137	CG10971	CG10971	16423	CG11999	CG11999	16752	CG8361	HLHm7	17063	CG12119	CG12119
16138	CG10971	CG10971	16426	CG11999	CG11999	16753	CG8361	HLHm7	17065	CG12129	CG12129
16149	CG10981	CG10981	16427	CG2087	PEK	16758	CG5247	lrbp	17066	CG12129	CG12129
16150	CG10981	CG10981	16428	CG4572	CG4572	16765	CG31313	CG31313	17068	CG12186	Aats-pro
16157	CG1099	Dap160	16429	CG4572	CG4572	16768	CG11401	Trxr-2	17072	CG12307	CG12307
16158	CG1099	Dap160	16433	CG11670	CG11670	16769	CG14257	CG14257	17074	CG12307	CG12307
16160	CG10990	CG10990	16440	CG13044	CG13044	16772	CG14257	CG14257	17076	CG1231	CG1231
16162	CG10990	CG10990	16441	CG13044	CG13044	16776	CG5909	CG5909	17077	CG12321	CG12321
16165	CG10993	CG10993	16445	CG13041	CG13041	16777	CG5909	CG5909	17079	CG12334	Atg8b
16166	CG10993	CG10993	16448	CG13040	CG13040	16779	CG3132	Ect3	17085	CG12347	CG12347
16168	CG10996	CG10996	16449	CG13040	CG13040	16780	CG3916	CG3916	17088	CG14518	CG14518
16170	CG10996	CG10996	16456	CG5992	Adgf-A	16781	CG4066	CG4066	17090	CG15073	CG15073
16171	CG10999	CG10999	16459	CG13023	CG13023	16783	CG4066	CG4066	17091	CG15073	CG15073
16173	CG11009	CG11009	16460	CG13023	CG13023	16785	CG10041	CG10041	17101	CG12395	CG12395
16176	CG11042	CG11042	16463	CG6895	GNBP1	16790	CG31265	CG31265	17105	CG12448	CG12448
16178	CG11044	CG11044	16467	CG6850	Ugt	16795	CG5154	ldgf5	17113	CG12972	CG12972
16184	CG1108	alpha-Est6	16474	CG7021	Ela	16806	CG12372	spt4	17114	CG32572	CG32572
16192	CG11112	CG11112	16476	CG5116	CG5116	16809	CG32234	CG32234	17117	CG13030	CG13030

17118	CG13030	CG13030
17119	CG13039	CG13039
17121	CG13055	CG13055
17123	CG13125	CG13125
17126	CG13183	CG13183
17127	CG13251	CG13251
17128	CG13263	Cyt-c-d
17129	CG13263	Cyt-c-d
17136	CG13337	CG13337
17137	CG13343	CG13343
17149	CG13359	CG13359
17150	CG13359	CG13359
17151	CG13361	CG13361
17157	CG13367	CG13367
17166	CG13379	CG13379
17169	CG13390	CG13390
17178	CG13415	Cby
17180	CG13423	CG13423
17183	CG33209	comm3
17184	CG13449	CG13449
17185	CG13449	CG13449
17187	CG1345	Gfat2
17190	CG13454	CG13454
17191	CG13457	CG13457
17193	CG13458	CG13458
17194	CG13458	CG13458
17196	CG13467	CG13467
17199	CG13471	CG13471
17203	CG13478	shd
17204	CG13478	shd
17206	CG13481	CG13481
17207	CG13484	CG13484
17213	CG13489	CG13489
17214	CG1349	dj-1beta
17215	CG1349	dj-1beta
17218	CG13493	comr
17222	CG13501	CG13501
17223	CG13501	CG13501
17227	CG13512	CG13512
17229	CG13527	CG13527
17230	CG13531	CG13531
17233	CG13539	CG13539
17240	CG13541	CG13541
17242	CG11678	Actr13E
17250	CG4538	CG4538
17252	CG5116	CG5116
17254	CG8132	CG8132
17256	CG6073	CG6073
17258	CG9434	Fst
17259	CG11335	lox
17261	CG14292	CG14292
17267	CG32685	CG32685
17268	CG13556	CG13556
17270	CG13556	CG13556
17272	CG13563	CG13563
17273	CG13563	CG13563
17275	CG13578	CG13578
17279	CG13589	CG13589
17280	CG13591	Ssl
17282	CG13591	Ssl
17283	CG12661	CG12661
17284	CG12681	CG12681
17286	CG12681	CG12681
17290	CG12689	CG12689
17292	CG12692	CG12692
17294	CG12693	CG12693
17298	CG12717	CG12717
17299	CG12717	CG12717
17302	CG32635	CG32635
17307	CG12765	CG12765
17308	CG12765	CG12765
17314	CG12816	
17317	CG12592	CG12592
17325	CG13609	CG13609
17326	CG13609	CG13609
17328	CG13620	
17329	CG13620	
17331	CG13622	CG13622
17332	CG13622	CG13622
17342	CG14013	CG14013
17344	CG1403	1/9/2001
17346	CG14035	CG14035
17351	CG14043	CG14043
17354	CG14050	CG14050
17363	CG14062	CG14062
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17369	CG14071	CG14071
17371	CG14071	CG14071
17376	CG14087	CG14087
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17387	CG14105	CG14105
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17389	CG14106	CG14106
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17397	CG14119	CG14119
17398	CG14119	CG14119
17404	CG14121	CG14121
17410	CG14142	CG14142
17411	CG14142	CG14142
17412	CG14165	CG14165
17414	CG14168	CG14168
17415	CG14168	CG14168
17423	CG14183	CG14183
17429	CG14212	CG14212
17444	CG14233	meso18E
17452	CG14260	CG14260
17460	CG14282	CG14282
17463	CG14286	CG14286
17469	CG14299	CG14299
17474	CG14303	CG14303
17477	CG14305	CG14305
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17483	CG14314	CG14314
17484	CG14316	CG14316
17485	CG14325	CG14325
17486	CG14325	CG14325
17493	CG14339	CG14339
17498	CG14352	CG14352
17499	CG14358	CG14358
17509	CG14384	CG14384
17517	CG14395	CG14395
17519	CG14402	CG14402
17520	CG14402	CG14402
17522	CG10909	CG10909
17523	CG10909	CG10909
17528	CG11109	CG11109
17533	CG11255	CG11255
17534	CG11255	CG11255
17537	CG11259	MICAL-like
17542	CG11349	CG11349
17544	CG11726	CG11726
17545	CG11726	CG11726
17548	CG11727	CG11727
17549	CG11727	CG11727
17553	CG11732	Obp85a
17555	CG11755	CG11755
17556	CG11755	CG11755
17563	CG33484	zormin
17564	CG33484	zormin
17576	CG14411	CG14411
17579	CG14411	CG14411
17584	CG14425	CG14425
17589	CG14426	nullo
17592	CG14427	CG14427
17594	CG14434	CG14434
17595	CG14434	CG14434
17602	CG14437	COQ7
17603	CG14437	COQ7
17605	CG14438	CG14438
17606	CG14438	CG14438
17617	CG14443	CG14443
17618	CG14443	CG14443
17621	CG14444	APC7
17622	CG14444	APC7
17624	CG14445	CG14445
17625	CG14448	CG14448
17629	CG14451	CG14451
17631	CG14451	CG14451
17632	CG33768	CG33768
17632	CG33768	CG33768
17633	CG33768	CG33768
17633	CG33768	CG33768
17640	CG14470	CG14470
17642	CG14470	CG14470
17644	CG14471	CG14471
17654	CG14479	CG14479
17655	CG14489	olf186-M
17657	CG14489	olf186-M
17659	CG14490	CG14490
17660	CG14490	CG14490
17663	CG14492	CG14492
17664	CG14492	CG14492
17667	CG33996	dpr13
17668	CG33996	dpr13
17677	CG14499	
17683	CG14505	CG14505
17684	CG14506	CG14506
17685	CG13662	
17691	CG13712	CG13712
17693	CG13716	CG13716
17695	CG13728	CG13728
17701	CG13778	Mnn1
17706	CG13813	CG13813
17707	CG13814	CG13814
17709	CG13814	CG13814
17711	CG13836	CG13836
17714	CG13842	CG13842
17717	CG13855	CG13855
17718	CG13859	CG13859
17721	CG13865	CG13865
17724	CG13872	CG13872
17729	CG13882	CG13882
17733	CG13896	CG13896
17735	CG13896	CG13896
17736	CG13901	CG13901
17740	CG1391	sol
17743	CG13914	CG13914
17752	CG13929	metl
17753	CG13930	CG13930
17762	CG13950	CG13950
17763	CG13954	CG13954
17767	CG13964	CG13964
17768	CG13964	CG13964
17772	CG13966	CG13966
17773	CG13972	CG13972
17780	CG12320	CG12320
17785	CG12324	RpS15Ab
17789	CG1236	CG1236
17791	CG1236	CG1236
17792	CG12498	CG12498
17793	CG12498	CG12498
17796	CG12609	CG12609
17808	CG9759	CG9759
17812	CG31067	CG31067
17815	CG4135	beat-IIb
17818	CG13862	CG13862
17820	CG7287	Lcp65Aa
17821	CG7287	Lcp65Aa
17822	CG1295	CG1295
17824	CG1295	CG1295
17826	CG6025	Arf72A
17827	CG6025	Arf72A
17830	CG5242	mRpL40
17832	CG31298	beat-Vb
17833	CG31298	beat-Vb
17836	CG10407	CG10407
17837	CG10407	CG10407
17839	CG14245	CG14245
17842	CG14245	CG14245
17846	CG15055	CG15055
17849	CG5952	Fer2
17851	CG5952	Fer2
17853	CG5927	Her
17859	CG33543	CG33543
17863	CG14164	CG14164
17865	CG14310	CG14310
17866	CG14310	CG14310
17876	CG7191	CG7191
17876	CG7191	CG7191
17877	CG31893	Peritrophin-15b
17878	CG31893	Peritrophin-15b
17883	CG17814	Peritrophin-15a
17887	CG13231	CG13231
17893	CG30093	CG30093
17896	CG30163	CG30163
17898	CG7503	Con
17903	CG7121	Tehao
17907	CG15497	CG15497
17908	CG15497	CG15497
17924	CG10342	npf
17933	CG1678	CG1678
17935	CG13534	CG13534
17936	CG13534	CG13534
17946	CG12959	CG12959
17957	CG10023	Fak56D
17959	CG10026	CG10026
17965	CG10043	rtGEF
17966	CG10043	rtGEF
17969	CG10045	GstD1
17972	CG10053	CG10053
17973	CG10055	CG10055
17981	CG10078	Prat2
17990	CG10086	CG10086
17991	CG10089	CG10089
17998	CG10098	CG10098
18002	CG10105	CG10105
18013	CG10132	CG10132
18014	CG10133	CG10133
18016	CG10138	PpD5
18021	CG10149	Rpn6
18024	CG10155	Spred
18025	CG10155	Spred
18029	CG10188	CG10188
18031	CG10192	CG10192
18033	CG10214	CG10214
18035	CG10214	CG10214
18042	CG10232	CG10232
18043	CG11305	Sirt7
18045	CG11305	Sirt7
18048	CG1131	alpha-Est10
18050	CG1131	alpha-Est10
18054	CG11320	CG11320
18055	CG11321	CG11321
18056	CG11322	CG11322
18057	CG11323	CG11323
18059	CG11323	CG11323
18061	CG11324	homer
18062	CG11329	CG11329
18065	CG11329	CG11329
18066	CG11339	CG11339
18068	CG1137	CG1137
18070	CG11371	dbr
18071	CG11371	dbr
18075	CG11398	CG11398
18079	CG11406	CG11406
18080	CG33232	CG33232
18081	CG33232	CG33232
18099	CG13072	PDCD-5
18103	CG13339	CG13339
18104	CG7296	CG7296
18109	CG6431	CG6431
18110	CG17134	CG17134
18111	CG17134	CG17134
18114	CG30335	
18117	CG10587	CG10587
18119	CG5656	CG5656
18122	CG10252	CG10252
18124	CG12120	CG12120
18135	CG10185	CG10185
18141	CG11120	CG11120
18143	CG11125	CG11125
18144	CG11126	CG11126
18149	CG11133	CG11133
18150	CG11133	CG11133
18154	CG11138	CG11138
18155	CG11138	CG11138
18157	CG11141	CG11141
18158	CG11148	CG11148
18159	CG11148	CG11148
18164	CG11160	CG11160
18166	CG11165	CG11165
18170	CG11168	CG11168
18175	CG11176	Tango2
18178	CG11178	CG11178
18180	CG11181	cup
18187	CG11203	CG11203
18196	CG11249	CG11249
18198	CG11254	mael
18200	CG1126	CG1126
18205	CG31072	Lerp
18209	CG13949	CG13949
18210	CG13993	CG13993
18216	CG14341	CG14341
18218	CG14457	CG14457
18229	CG14898	CG14898
18232	CG14977	CG14977
18233	CG14977	CG14977
18247	CG14891	CG14891
18252	CG14657	CG14657
18256	CG12698	CG12698
18257	CG12698	CG12698

18260	CG13123	CG13123	18724	CG12015	RabX6	19054	CG18408	CAP	19280	CG2945	cin
18261	CG13123	CG13123	18727	CG12020	CG12020	19061	CG1587	Crk	19281	CG30110	CG30110
18262	CG13385	CG13385	18734	CG12099	CG12099	19068	CG33937	CG33937	19283	CG30110	CG30110
18267	CG13962	CG13962	18747	CG12207	CG12207	19069	CG33937	CG33937	19284	CG30372	CG30372
18268	CG13962	CG13962	18762	CG12630	tio	19078	CG17124	CG17124	19287	CG30372	CG30372
18272	CG14128	CG14128	18767	CG33286	CG33286	19086	CG33098	CG33098	19288	CG15099	CG15099
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18296	CG14644	CG14644	18779	CG13171	CG13171	19089	CG17818	rdgBbeta	19291	CG15105	CG15105
18297	CG14647	CG14647	18784	CG13326	CG13326	19091	CG1786	Cyp318a1	19293	CG15107	CG15107
18300	CG14651	CG14651	18785	CG13326	CG13326	19096	CG1814	CG1814	19301	CG15125	CG15125
18319	CG14674	CG14674	18787	CG13330	CG13330	19101	CG18315	Aprt	19302	CG15128	CG15128
18325	CG14684	CG14684	18790	CG13330	CG13330	19102	CG18315	Aprt	19305	CG15134	CG15134
18332	CG14693	CG14693	18794	CG13580	Crtp	19110	CG18619	CG18619	19306	CG15134	CG15134
18335	CG14695	CG14695	18795	CG10586	CG10586	19117	CG1963	Pcd	19307	CG15141	CG15141
18341	CG14710	CG14710	18796	CG10586	CG10586	19118	CG1969	CG1969	19311	CG15142	CG15142
18343	CG14710	CG14710	18800	CG14572	CG14572	19119	CG2065	CG2065	19315	CG15144	CG15144
18358	CG14739	CG14739	18801	CG14565	CG14565	19121	CG2152	Pcmt	19316	CG15145	CG15145
18395	CG14803	CG14803	18804	CG7414	CG7414	19123	CG2152	Pcmt	19318	CG15145	CG15145
18402	CG1483	Map205	18805	CG31560	CG31560	19124	CG2204	G-oalpha47A	19320	CG15147	CG15147
18403	CG1483	Map205	18806	CG31560	CG31560	19125	CG31354		19323	CG15148	btv
18406	CG14837	CG14837	18814	CG31557	Obp83ef	19130	CG3157	gammaTub23C	19324	CG15148	btv
18407	CG14837	CG14837	18816	CG6974	CG6974	19135	CG32098	CG32098	19328	CG15149	CG15149
18415	CG14861	CG14861	18817	CG6974	CG6974	19136	CG15247	CG15247	19330	CG15150	elfless
18416	CG14866	CG14866	18818	CG13590	CG13590	19137	CG15247	CG15247	19332	CG15150	elfless
18419	CG14866	CG14866	18819	CG13590	CG13590	19140	CG15286	CG15286	19341	CG15167	CG15167
18426	CG14886	Gyc-89Db	18823	CG9196	CG9196	19145	CG15446	CG15446	19342	CG15167	CG15167
18427	CG14886	Gyc-89Db	18825	CG18105	ETH	19147	CG15514	CG15514	19355	CG33235	CG33235
18447	CG3568	CG3568	18826	CG18105	ETH	19148	CG15617	CG15617	19355	CG33235	CG33235
18458	CG13403	CG13403	18828	CG3650	CG3650	19149	CG15617	CG15617	19365	CG15200	CG15200
18462	CG9806	CG9806	18830	CG3650	CG3650	19150	CG15667	Sara	19368	CG15208	CG15208
18465	CG14897	CG14897	18834	CG32304	CG32304	19151	CG15676	CG15676	19388	CG15309	CG15309
18469	CG14914	CG14914	18835	CG32304	CG32304	19155	CG15859	CG15859	19417	CG15333	CG15333
18470	CG14929	CG14929	18839	CG12009	CG12009	19156	CG15859	CG15859	19420	CG15336	CG15336
18472	CG14931	CG14931	18840	CG12009	CG12009	19157	CG15865	CG15865	19439	CG15373	CG15373
18475	CG14944	CG14944	18843	CG32271	CG32271	19159	CG1630	IP3K2	19459	CG15422	CG15422
18479	CG14980	CG14980	18849	CG1299	CG1299	19160	CG16790	CG16790	19462	CG15429	CG15429
18498	CG33514	CG33514	18852	CG15022	CG15022	19161	CG16791	CG16791	19481	CG13862	CG13862
18506	CG15031	CG15031	18854	CG32241	CG32241	19162	CG16865	CG16865	19482	CG30163	CG30163
18508	CG15031	CG15031	18855	CG32241	CG32241	19163	CG16865	CG16865	19504	CG15471	CG15471
18513	CG1504	CG1504	18861	CG13720	CG13720	19164	CG16932	Eps-15	19508	CG15498	CG15498
18515	CG15040	CG15040	18866	CG18296	axo	19165	CG16932	Eps-15	19509	CG15498	CG15498
18516	CG15040	CG15040	18867	CG18296	axo	19166	CG16952	CG16952	19516	CG15523	CG15523
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18518	CG15049		18873	CG10236	LanA	19170	CG17249	CG17249	19519	CG15539	CG15539
18524	CG15077	Cyp12b2	18900	CG6602	CG6602	19172	CG17330	jhamt	19522	CG15554	CG15554
18541	CG6367	psh	18903	CG14639	CG14639	19174	CG1737	CG1737	19531	CG15580	CG15580
18543	CG6367	psh	18905	CG14639	CG14639	19177	CG17531	GstE7	19532	CG15638	CG15638
18550	CG7280	CG7280	18910	CG14607	CG14607	19181	CG17866		19536	CG15669	MESK2
18551	CG7280	CG7280	18911	CG7252	CG7252	19184	CG18048	CG18048	19538	CG15684	CG15684
18561	CG1417	sIgA	18916	CG14125	CG14125	19186	CG18213	CG18213	19541	CG15701	CG15701
18562	CG31802	CG31802	18917	CG14125	CG14125	19187	CG18234	CG18234	19545	CG15884	CG15884
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18585	CG8157	CG8157	18919	CG32057	dpr10	19191	CG18304	CG18304	19550	CG4986	Mst57Dc
18594	CG1019	Mlp84B	18920	CG32057	dpr10	19193	CG18371	CG18371	19552	CG11843	CG11843
18602	CG10265	CG10265	18925	CG17190	CG17190	19195	CG18555	CG18555	19561	CG8093	CG8093
18603	CG10265	CG10265	18928	CG14280	CG14280	19200	CG2712	CG2712	19563	CG30091	CG30091
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18623	CG10476	CG10476	18957	CG13283	CG13283	19215	CG30279	CG30279	19586	CG15742	CG15742
18627	CG1049	Cct1	18961	CG6717	Spn7	19216	CG30339	CG30339	19601	CG15768	CG15768
18628	CG1049	Cct1	18962	CG31680	CG31680	19219	CG3040	CG3040	19603	CG15768	CG15768
18635	CG10510	CG10510	18963	CR31621	Cyp6t2Psi	19222	CG30403	CG30403	19605	CG15770	CG15770
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18651	CG10581	CG10581	18970	CG1102	MP1	19230	CG31175		19615	CG15800	CG15800
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18657	CG10588	CG10588	18977	CG32372	CG32372	19232	CG31300	CG31300	19617	CG1582	CG1582
18658	CG10654	CG10654	18978	CG8072	CG8072	19236	CG31365	CG31365	19618	CG15894	CG15894
18661	CG10672	CG10672	18979	CG8072	CG8072	19237	CG31365	CG31365	19621	CG15908	CG15908
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18664	CG10732	CG10732	18982	CG8334	CG8334	19245	CG31806	CG31806	19627	CG15916	CG15916
18666	CG10732	CG10732	18989	CG33150	Gr59f	19247	CG31835	CG31835	19636	CG1600	CG1600
18672	CG10998	r-cup	18990	CG14334	beat-IIa	19250	CG32044	CG32044	19637	CG1600	CG1600
18686	CG11055	CG11055	19005	CG11368	CG11368	19259	CG32086	CG32086	19653	CG1659	unc-119
18690	CG11086	Gadd45	19011	CG7008	Tudor-SN	19261	CG32086	CG32086	19657	CG16711	CG16711
18691	CG11086	Gadd45	19013	CG7008	Tudor-SN	19263	CG32107	CG32107	19658	CG16757	Spn
18699	CG11604	CG11604	19036	CG10287	Gasp	19264	CG32107	CG32107	19681	CG3937	cher
18706	CG11718	CG11718	19043	CG17572	CG17572	19268	CG1628	CG1628	19709	CG30165	CG30165
18708	CG11765	Prx2540-2	19047	CG31845	CG31845	19269	CG17522	GstE10	19713	CG7628	CG7628
18712	CG11844	CG11844	19049	CG33119	CG33119	19271	CG17786	CG17786	19715	CG7166	CG7166
18717	CG11848	CG11848	19050	CG33119	CG33119	19273	CG18174	Rpn11	19727	CG10421	
18719	CG11994	Ada	19052	CG31839	CG31839	19275	CG1973	CG1973	19735	CG7197	CG7197
18720	CG11994	Ada	19053	CG18408	CAP	19279	CG2194	Reg-3	19736	CG7197	CG7197

19740	CG3906	CG3906
19743	CG14834	CG14834
19744	CG14834	CG14834
19745	CG14963	CG14963
19748	CG11218	Obp56d
19750	CG30148	CG30148
19756	CG14225	CG14225
19757	CG14225	CG14225
19758	CG18477	CG18477
19760	CG18477	CG18477
19769	CG14932	CG14932
19772	CG11686	CG11686
19798	CG17462	CG17462
19799	CG17462	CG17462
19801	CG17462	CG17462
19808	CG7045	CG7045
19809	CG7045	CG7045
19815	CG9183	plu
19831	CG1447	Ptx1
19834	CG5529	B-H1
19854	CG5705	CG5705
19855	CG5705	CG5705
19856	CG10472	CG10472
19857	CG6271	CG6271
19861	CG9522	CG9522
19870	CG6533	Cp16
19872	CG6533	Cp16
19877	CG4853	CG4853
19878	CG4853	CG4853
19884	CG18557	CG18557
19902	CG14047	CG14047
19917	CG18585	CG18585
19928	CG7996	snk
19929	CG7996	snk
19930	CG6142	CG6142
19932	CG11608	CG11608
19942	CG4009	CG4009
19953	CG13601	CG13601
20040	CG11490	CG11490
20051	CG11560	CG11560
20089	CG11927	CG11927
20097	CG11963	CG11963
20098	CG2617	CG2617
20099	CG18445	CG18445
20100	CG10966	rdgA
20101	CG5554	CG5554
20102	CG8654	CG8654
20107	CG33958	CG33958
20108	CG9196	CG9196
20113	CG1859	Spn43Ad
20114	CG1102	MP1
20121	CG15676	CG15676
20124	CG30339	CG30339
20126	CG15099	CG15099
20130	CG11968	CG11968
20131	CG11968	CG11968
20136	CG11986	CG11986
20146	CG12105	CG12105
20155	CG12162	CG12162
20156	CG12162	CG12162
20161	CG12239	CG12239
20164	CG12239	CG12239
20166	CG12244	lic
20183	CG12345	Cha
20200	CG14098	CG14098
20211	CG15748	
20239	CG12489	Dnr1
20259	CG12743	otu
20260	CG12799	Ubc84D
20265	CG12877	CG12877
20277	CG12923	CG12923
20293	CG12947	CG12947
20295	CG12947	CG12947
20304	CG12993	CG12993
20305	CG16840	Art8
20307	CG16840	Art8
20310	CG16850	CG16850
20312	CG16863	CG16863
20315	CG16896	CG16896
20316	CG16896	CG16896
20319	CG16898	CG16898
20321	CG1691	Imp
20322	CG1691	Imp
20329	CG1692	mal
20332	CG1692	mal
20340	CG1695	CG1695
20363	CG17062	
20365	CG17085	CG17085
20367	CG17085	CG17085
20396	CG17181	CG17181
20401	CG17184	CG17184
20406	CG17199	CG17199
20409	CG17230	CG17230
20427	CG17383	CG17383
20429	CG17398	
20430	CG17398	
20455	CG1745	CG1745
20472	CG17525	GstE4
20485	CG17564	CG17564
20488	CG17568	CG17568
20500	CG17601	CG17601
20507	CG1764	CG1764
20529	CG17725	Pepck
20536	CG17753	CCS
20538	CG17754	CG17754
20541	CG17764	CG17764
20542	CG17764	CG17764
20546	CG17770	CG17770
20549	CG17778	CG17778
20553	CG17787	
20555	CG17787	
20604	CG18176	defl
20621	CG18258	CG18258
20629	CG15333	CG15333
20631	CG18358	CG18358
20633	CG12052	lola
20634	CG12052	lola
20639	CG18548	GstD10
20643	CG32982	CG32982
20647	CG18586	CG18586
20650	CG18594	CG18594
20655	CG18604	CG18604
20658	CG10476	CG10476
20667	CG33957	cp309
20669	CG1866	Moca-cyp
20670	CG1866	Moca-cyp
20672	CG33208	MICAL
20673	CG33208	MICAL
20681	CG18744	CG18744
20683	CG18745	CG18745
20686	CG18745	CG18745
20687	CG18748	
20688	CG18754	CG18754
20689	CG18754	CG18754
20692	CG18765	CG18765
20693	CG18765	CG18765
20694	CG18766	CG18766
20697	CG18787	CG18787
20698	CG18787	CG18787
20699	CG18787	CG18787
20700	CG18787	CG18787
20702	CG18809	CG18809
20706	CG14630	CG14630
20708	CG18823	CG18823
20710	CG18823	CG18823
20721	CG3981	Unc-76
20733	CG1896	CG1896
20745	CG1909	CG1909
20756	CG1943	CG1943
20758	CG1943	CG1943
20762	CG1958	CG1958
20767	CG1968	CG1968
20780	CG2017	CG2017
20785	CG2034	CG2034
20786	CG2034	CG2034
20787	CG2042	CG2042
20790	CG2052	CG2052
20809	CG2116	CG2116
20819	CG32687	CG32687
20834	CG2182	CG2182
20843	CG2200	CG2200
20852	CG2224	CG2224
20857	CG2244	MTA1-like
20865	CG2267	CG2267
20869	CG2277	CG2277
20872	CG2453	CG2453
20873	CG2453	CG2453
20874	CG2457	inaF
20879	CG2505	alpha-Est2
20918	CG2861	CG2861
20924	CG2865	CG2865
20926	CG2867	Prat
20931	CG2898	CG2898
20947	CG2931	CG2931
20952	CG2941	CG2941
20953	CG2941	CG2941
20959	CG2952	Dox-A3
20970	CG5934	CG5934
20979	CG5958	CG5958
20982	CG5958	CG5958
20983	CG32560	CG32560
20984	CG32560	CG32560
20986	CG5961	CG5961
20988	CG5961	CG5961
20989	CG5962	Arr2
20991	CG5962	Arr2
21000	CG5978	CG5978
21001	CG5978	CG5978
21003	CG14447	Grip
21005	CG5987	CG5987
21006	CG5987	CG5987
21012	CG6007	gatA
21014	CG6023	CG6023
21015	CG6023	CG6023
21023	CG6036	CG6036
21032	CG6045	CG6045
21033	CG6045	CG6045
21041	CG7609	CG7609
21046	CG7719	gwl
21051	CG7737	CG7737
21052	CG7759	CG7759
21054	CG3001	Hex-A
21057	CG12052	lola
21066	CG30038	CG30038
21068	CG30038	CG30038
21072	CG30039	CG30039
21077	CG30060	CG30060
21082	CG13271	Ugt36Bb
21083	CG17136	Rbp1
21086	CG17154	CG17154
21092	CG30083	CG30083
21097	CG30099	CG30099
21099	CG30099	CG30099
21101	CG30120	CG30120
21104	CG30122	CG30122
21111	CG30178	CG30178
21113	CG30187	CG30187
21114	CG30190	CG30190
21115	CG30263	CG30263
21118	CG30284	CG30284
21120	CG30291	CG30291
21126	CG30324	CG30324
21127	CG30324	CG30324
21130	CG30334	CG30334
21131	CG30334	CG30334
21134	CG30336	
21144	CG30357	CG30357
21146	CG30363	CG30363
21147	CG30363	CG30363
21153	CG30378	CG30378
21159	CG30383	CG30383
21164	CG30398	CG30398
21166	CG30398	CG30398
21171	CG30412	CG30412
21172	CG30426	CG30426
21175	CG30429	CG30429
21177	CG30440	CG30440
21178	CG30440	CG30440
21182	CG30445	Tdc1
21186	CG30456	CG30456
21187	CG30456	CG30456
21190	CG30459	CG30459
21195	CG30460	CG30460
21203	CG30467	CG30467
21204	CG30467	CG30467
21206	CG3047	Sgs1
21207	CG3047	Sgs1
21213	CG3048	Traf1
21214	CG3048	Traf1
21221	CG30484	CG30484
21222	CG30484	CG30484
21226	CG30485	CG30485
21227	CG30485	CG30485
21228	CG30486	CG30486
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21230	CG30487	CG30487
21232	CG30487	CG30487
21234	CG18240	
21235	CG18240	
21241	CG30495	CG30495
21243	CG30495	CG30495
21250	CG30500	CG30500
21253	CG30502	CG30502
21261	CG3065	CG3065
21262	CG3065	CG3065
21267	CG3092	CG3092
21272	CG31006	CG31006
21275	CG32697	l(1)G0232
21280	CG31016	CG31016
21281	CG31017	PH4alphaNE3
21284	CG31017	PH4alphaNE3
21288	CG31025	CG31025
21290	CG3104	CG3104
21294	CG33553	Doa
21300	CG31098	CG31098
21306	CG3126	C3G
21307	CG3126	C3G
21308	CG31291	CG31291
21310	CG31291	CG31291
21312	CG31293	rec
21314	CG31293	rec
21317	CG31317	stumps
21324	CG31370	CG31370
21326	CG4509	CG4509
21327	CG4509	CG4509
21332	CG31411	CG31411
21336	CG31414	CG31414
21337	CG31414	CG31414
21340	CG31426	ligatin
21341	CG31436	CG31436
21346	CG9821	CG9821
21348	CG9821	CG9821
21349	CG31453	CG31453
21350	CG31453	CG31453
21353	CG31465	CG31465
21359	CG31493	CG31493
21361	CG31499	
21366	CG31534	CG31534
21368	CG31538	CG31538
21371	CG31544	CG31544
21372	CG31554	CG31554
21374	CG3158	spn-E
21376	CG3158	spn-E
21378	CG31601	CG31601
21379	CG3162	CG3162
21380	CG3162	CG3162
21383	CG31623	dtr
21386	CG31632	CG31632
21388	CG31672	CG31672
21389	CG31679	CG31679
21392	CG31679	CG31679
21393	CG31687	CG31687
21394	CG31687	CG31687
21395	CG31687	CG31687
21396	CG31692	fbp
21398	CG31694	CG31694
21400	CG31695	scw
21401	CG31712	CG31712
21402	CG31712	CG31712
21406	CG31721	Trim9
21407	CG31730	CG31730
21408	CG31730	CG31730
21413	CG31745	CG31745
21414	CG31751	CG31751
21415	CG31751	CG31751
21421	CG31759	CG31759
21422	CG31782	CG31782
21425	CG31819	CG31819
21426	CG31819	CG31819
21436	CG32052	CG32052
21437	CG32052	CG32052
21438	CG32082	CG32082
21442	CG32094	CG32094
21443	CG32094	CG32094
21446	CG32100	CG32100
21448	CG32100	CG32100
21461	CG4646	CG4646
21462	CG4646	CG4646
21466	CG3689	CG3689
21468	CG3874	frc
21469	CG3874	frc
21472	CG32278	CG32278
21490	CG3620	norpA
21495	CG3719	CG3719
21501	CG3884	CG3884
21504	CG31715	CG31715
21505	CG31715	CG31715
21511	CG3939	CG3939

21513	CG3939	CG3939	21774	CG4008	und	22011	CG5139	CG5139	22250	CG6145	CG6145
21519	CG4342	CG4342	21779	CG4051	egl	22012	CG5139	CG5139	22253	CG6148	Past1
21521	CG4434	CG4434	21780	CG4057	tamo	22013	CG5140	CG5140	22254	CG6148	Past1
21522	CG4434	CG4434	21787	CG4107	Pcaf	22015	CG5142	CG5142	22257	CG6153	CG6153
21530	CG4710	smi21F	21797	CG4154	Gyc88E	22017	CG5142	CG5142	22258	CG6156	CG6156
21531	CG4710	smi21F	21798	CG4154	Gyc88E	22021	CG5168	CG5168	22259	CG6156	CG6156
21541	CG4768	CG4768	21803	CG4162	lace	22022	CG5168	CG5168	22264	CG6157	dah
21544	CG4779	hgo	21805	CG4162	lace	22027	CG5197	CG5197	22267	CG6163	CG6163
21550	CG4946	CG4946	21817	CG4282	CG4282	22028	CG5197	CG5197	22268	CG5781	CG5781
21551	CG4946	CG4946	21819	CG4291	CG4291	22030	CG5217	CG5217	22284	CG6180	CG6180
21554	CG4959	CG4959	21820	CG4291	CG4291	22031	CG5217	CG5217	22286	CG6180	CG6180
21555	CG4959	CG4959	21823	CG4297	CG4297	22035	CG5219	mRpL15	22289	CG6193	Apc2
21558	CG4993	PRL-1	21824	CG4297	CG4297	22037	CG5231	Las	22290	CG6193	Apc2
21563	CG5323	CG5323	21832	CG4347	UGP	22039	CG5231	Las	22296	CG6196	CG6196
21564	CG5359	CG5359	21843	CG33960	CG33960	22044	CG5263	smg	22297	CG6196	CG6196
21565	CG5359	CG5359	21845	CG4389	CG4389	22046	CG5274	CG5274	22311	CG6934	CG6934
21566	CG5447	CG5447	21848	CG4413	CG4413	22047	CG5274	CG5274	22318	CG6948	Clc
21567	CG5473	SP2637	21853	CG4423	GstD6	22051	CG5280	CG5280	22321	CG6950	CG6950
21578	CG7933	janA	21855	CG4423	GstD6	22059	CG5320	Gdh	22322	CG6950	CG6950
21579	CG7933	janA	21856	CG4424	CG4424	22061	CG5321	CG5321	22326	CG6966	CG6966
21582	CG5017	CG5017	21858	CG4497	CG4497	22064	CG5325	CG5325	22326	CG6966	CG6966
21583	CG5017	CG5017	21859	CG4497	CG4497	22068	CG5335	CG5335	22340	CG7051	CG7051
21586	CG4496	CG4496	21860	CG4523	Pink1	22069	CG5337	CG5337	22342	CG7083	CG7083
21587	CG4496	CG4496	21861	CG4532	pod1	22070	CG5337	CG5337	22344	CG7125	PKD
21599	CG32119	CG32119	21863	CG4535	FKBP59	22074	CG5338	RpS19b	22355	CG4893	CG4893
21600	CG32199	CG32199	21865	CG4539	Bka	22075	CG5339	CG5339	22356	CG4893	CG4893
21601	CG32199	CG32199	21867	CG4547	Atx-1	22076	CG33099	CG33099	22357	CG4893	CG4893
21604	CG3748	CG3748	21870	CG4547	Atx-1	22076	CG33099	CG33099	22358	CG4893	CG4893
21605	CG30130	CG30130	21872	CG4570	CG4570	22081	CG5344	wkd	22412	CG6757	SH3PX1
21606	CG30130	CG30130	21873	CG4570	CG4570	22082	CG5344	wkd	22422	CG6765	CG6765
21607	CG2849	Rala	21881	CG4582	CG4582	22084	CG5346	CG5346	22424	CG6765	CG6765
21610	CG32018	Zyx102EF	21882	CG4582	CG4582	22085	CG5346	CG5346	22442	CG6814	Mat89Bb
21611	CG4209	CanB	21886	CG4586	CG4586	22088	CG5347	CG5347	22448	CG6830	CG6830
21614	CG4321	Cyp4d8	21890	CG4597	CG4597	22089	CG5347	CG5347	22451	CG6847	CG6847
21615	CG4321	Cyp4d8	21893	CG4603	CG4603	22094	CG5354	pie	22453	CG6866	loqs
21624	CG4623	CG4623	21894	CG4603	CG4603	22095	CG5354	pie	22455	CG6877	Aut1
21625	CG4631	CG4631	21898	CG4611	CG4611	22099	CG5375	CG5375	22456	CG6879	CG6879
21626	CG4631	CG4631	21901	CG4616	CG4616	22100	CG5375	CG5375	22460	CG6907	CG6907
21628	CG4683	CG4683	21902	CG4616	CG4616	22103	CG5378	Rpn7	22461	CG6907	CG6907
21629	CG4746	mab-2	21904	CG4622	CG4622	22111	CG5389	CG5389	22464	CG6910	CG6910
21633	CG4830	CG4830	21908	CG4636	SCAR	22112	CG5389	CG5389	22465	CG6910	CG6910
21635	CG4830	CG4830	21909	CG4641	CG4641	22113	CG5408	trbl	22468	CG6931	CG6931
21636	CG5292	CG5292	21914	CG4648	CG4648	22114	CG5408	trbl	22469	CG6931	CG6931
21646	CG6324	CG6324	21915	CG4648	CG4648	22117	CG5409	Arp53D	22472	CG6216	CG6216
21649	CG6984	CG6984	21916	CG4656	CG4656	22119	CG5418	CG5418	22476	CG6224	dbo
21650	CG6984	CG6984	21920	CG4691	CG4691	22120	CG5418	CG5418	22482	CG6254	CG6254
21651	CG7059	CG7059	21921	CG4704	CG4704	22122	CG5429	Atg6	22483	CG6284	Sirt6
21652	CG7519	CG7519	21923	CG4709	CG4709	22123	CG5429	Atg6	22500	CG6522	CG6522
21653	CG7519	CG7519	21924	CG4712	CG4712	22126	CG5433	Klc	22502	CG6535	tefu
21655	CG7949	CG7949	21925	CG4712	CG4712	22139	CG5483	CG5483	22526	CG7196	CG7196
21657	CG7949	CG7949	21930	CG4719	tankyrase	22140	CG5483	CG5483	22527	CG7196	CG7196
21665	CG32135	CG32135	21932	CG4719	tankyrase	22142	CG5509	CG5509	22528	CG7204	Neu2
21668	CG32150	CG32150	21934	CG4730	CG4730	22143	CG5509	CG5509	22530	CG7206	CG7206
21672	CG32221	CG32221	21935	CG4730	CG4730	22144	CG5518	sda	22531	CG7208	CG7208
21673	CG32254	CG32254	21941	CG4749	CG4749	22146	CG5519	Gbp	22532	CG7208	CG7208
21674	CG32254	CG32254	21942	CG4749	CG4749	22150	CG5521	CG5521	22536	CG7221	Wwox
21676	CG32459	CG32459	21944	CG4766	CG4766	22151	CG5521	CG5521	22539	CG7235	Hsp60C
21678	CG3338	CG3338	21946	CG4767	Tektin-A	22157	CG5537	CG5537	22541	CG33955	eys
21679	CG3338	CG3338	21947	CG4785	CG4785	22159	CG33969	CG33969	22542	CG33955	eys
21681	CG3429	swa	21951	CG4816	qkr54B	22160	CG33969	CG33969	22547	CG7257	CG7257
21682	CG3457	CG3457	21952	CG4820	CG4820	22163	CG5577	CG5577	22552	CG7262	CG7262
21684	CG3544	CG3544	21953	CG4820	CG4820	22166	CG5585	CG5585	22553	CG7262	CG7262
21685	CG3544	CG3544	21954	CG4835	CG4835	22169	CG5586	Tusp	22554	CG7264	CG7264
21686	CG3572	vimar	21955	CG4836	CG4836	22173	CG4683	CG4683	22559	CG4216	term
21688	CG3593	r-l	21956	CG4836	CG4836	22186	CG5655	Rsf1	22564	CG7809	Grasp65
21691	CG3597	CG3597	21959	CG4840	CG4840	22191	CG5681	CG5681	22565	CG7810	CG7810
21693	CG3597	CG3597	21962	CG4849	CG4849	22192	CG5694	CG5694	22566	CG7813	CG7813
21697	CG3630	CG3630	21965	CG4857	CG4857	22193	CG5694	CG5694	22567	CG7815	ran-like
21698	CG3651	CG3651	21966	CG4877	CG4877	22195	CG5707	CG5707	22568	CG7824	CG7824
21699	CG3651	CG3651	21969	CG4887	CG4887	22196	CG5711	Arr1	22569	CG7824	CG7824
21700	CG3654	CG3654	21970	CG4887	CG4887	22197	CG5740	CG5740	22570	CG7831	ncd
21719	CG3850	sug	21972	CG4892	CG4892	22200	CG5814	CycB3	22571	CG7831	ncd
21720	CG3894	CG3894	21977	CG4949	CG4949	22201	CG5814	CycB3	22573	CG7837	CG7837
21721	CG3894	CG3894	21978	CG4968	CG4968	22203	CG5815	CG5815	22593	CG7863	dream
21724	CG3062	CG3062	21979	CG14929	CG14929	22214	CG5840	CG5840	22594	CG7863	dream
21726	CG31373	CG31373	21983	CG33462	CG33462	22216	CG5886	CG5886	22606	CG32557	CG32557
21727	CG3176	CG3176	21984	CG31025	CG31025	22221	CG33490	CG33490	22610	CG7886	CG7886
21731	CG17988	Ance-3	21985	CG33520	Rpb4	22221	CG33490	CG33490	22611	CG7886	CG7886
21743	CG3942	CG3942	21991	CG5009	CG5009	22222	CG33490	CG33490	22612	CG7915	Ect4
21744	CG3942	CG3942	21992	CG5024	CG5024	22222	CG33490	CG33490	22614	CG7913	PP2A-B'
21745	CG3943	kraken	21993	CG5024	CG5024	22224	CG6114	CG6114	22615	CG7913	PP2A-B'
21746	CG3943	kraken	21995	CG33979	capt	22236	CG6123	CG6123	22618	CG7914	CG7914
21752	CG3949	hoip	21996	CG33979	capt	22237	CG6129	CG6129	22619	CG7914	CG7914
21755	CG3949	hoip	21999	CG5085	Sirt2	22238	CG6136	CG6136	22620	CG7915	Ect4
21760	CG13927	GC	22002	CG5094	Sgt	22239	CG6136	CG6136	22622	CG7915	Ect4
21761	CG13904		22008	CG5124	adp	22245	CG6143	Pep	22623	CG7917	Nlp
21762	CG7383	eg	22010	CG5124	adp	22246	CG6143	Pep	22625	CG7917	Nlp

22627	CG7927	CG7927	22936	CG18278	CG18278	23208	CG13887	CG13887	23425	CG5708	CG5708
22633	CG7940	CG7940	22937	CG18278	CG18278	23210	CG13934	CG13934	23426	CG5744	Frq1
22634	CG7940	CG7940	22940	CG2175	1/12/2001	23211	CG13934	CG13934	23428	CG5744	Frq1
22637	CG7956	CG7956	22941	CG2175	1/12/2001	23216	CG14502	CG14502	23429	CG5783	CG5783
22638	CG7956	CG7956	22945	CG2198	Ama	23217	CG14502	CG14502	23430	CG5890	CG5890
22639	CG7966	CG7966	22948	CG2977	inx7	23218	CG14879	CG14879	23431	CG5890	CG5890
22642	CG33950	trol	22949	CG2977	inx7	23219	CG14879	CG14879	23432	CG32560	CG32560
22643	CG7986	Atg18	22951	CG30053	CG30053	23220	CG1572	CG1572	23433	CG5907	Frq2
22646	CG7986	Atg18	22960	CG31002	CG31002	23221	CG1572	CG1572	23434	CG5907	Frq2
22647	CG7987	CG7987	22961	CG31002	CG31002	23222	CG33696	CG33696	23436	CG6000	CG6000
22649	CG7987	CG7987	22962	CG31189	CG31189	23223	CG33696	CG33696	23437	CG6000	CG6000
22650	CG7988	CG7988	22963	CG31269	CG31269	23225	CG18678	CG18678	23443	CG6435	CG6435
22651	CG7988	CG7988	22964	CG31269	CG31269	23235	CG30450	Obp56f	23444	CG6435	CG6435
22652	CG7995	CG7995	22967	CG31296	CG31296	23236	CG30450	Obp56f	23447	CG6480	CG6480
22653	CG7995	CG7995	22970	CG31296	CG31296	23239	CG30458	CG30458	23449	CG6480	CG6480
22654	CG7998	CG7998	22971	CG31530	CG31530	23241	CG31266	CG31266	23451	CG6709	CG6709
22657	CG7998	CG7998	22972	CG31530	CG31530	23242	CG33202	dpr11	23452	CG7042	
22659	CG8003	CG8003	22975	CG32451	SPoCk	23243	CG33202	dpr11	23454	CG7042	
22666	CG8010	CG8010	22976	CG32483	CG32483	23252	CG7299	CG7299	23456	CG33755	gdl-ORF39
22667	CG8010	CG8010	22977	CG32483	CG32483	23259	CG15152	CG15152	23460	CG8360	CG8360
22675	CG8049	Btk29A	22979	CG3710	TfIIS	23260	CG15152	CG15152	23461	CG8360	CG8360
22684	CG8060	CG8060	22980	CG3710	TfIIS	23264	CG13674	CG13674	23464	CG8566	unc-104
22687	CG8067	CG8067	22989	CG34059	ppk16	23268	CG1844	SelG	23465	CG8566	unc-104
22689	CG5383	PSR	22990	CG34059	ppk16	23269	CG1844	SelG	23471	CG8829	CG8829
22690	CG5409	Arp53D	22996	CG4164	CG4164	23270	CG8216	CG8216	23472	CG8829	CG8829
22694	CG6129	CG6129	22997	CG4164	CG4164	23272	CG8216	CG8216	23475	CG8857	RpS11
22696	CG6472	CG6472	23008	CG6154	CG6154	23273	CG10919	CG10919	23481	CG9003	CG9003
22699	CG6785	CG6785	23009	CG6154	CG6154	23274	CG10919	CG10919	23482	CG9003	CG9003
22713	CG13608	mRpS24	23013	CG6356	CG6356	23275	CG31035		23483	CG9734	glob1
22725	CG14249	beat-VII	23014	CG6588	Fas1	23276	CG31035		23484	CG18779	CG18779
22730	CG14313	CG14313	23015	CG6588	Fas1	23278	CG32131	CG32131	23485	CG32404	CG32404
22732	CG14362	CG14362	23020	CG8073	Pmm45A	23279	CG32131	CG32131	23486	CG10031	CG10031
22733	CG14362	CG14362	23021	CG8073	Pmm45A	23280	CG32220	CG32220	23488	CG13672	CG13672
22736	CG14390	beat-Vc	23023	CG8079	CG8079	23281	CG32313	CG32313	23490	CG13981	CG13981
22742	CG14678		23024	CG8079	CG8079	23284	CG32313	CG32313	23491	CG15452	CG15452
22751	CG10460	cer	23031	CG8089	CG8089	23285	CG11639	TfIIA-S-2	23492	CG15452	CG15452
22752	CG10460	cer	23032	CG8089	CG8089	23286	CG11639	TfIIA-S-2	23494	CG30476	ave
22755	CG10524	Pkcdelta	23035	CG8091	Nc	23300	CG33980	CG33980	23495	CG30476	ave
22762	CG32021	CG32021	23037	CG8107	CalpB	23302	CG33980	CG33980	23498	CG33521	CG33521
22768	CG11591	CG11591	23044	CG12788	CG12788	23303	CG33323	Fer1	23499	CG33521	CG33521
22770	CG11591	CG11591	23045	CG12788	CG12788	23304	CG33323	Fer1	23503	CG8407	CG8407
22778	CG12643	CG12643	23052	CG14033	CG14033	23305	CG18144	Hand	23504	CG8407	CG8407
22779	CG32685	CG32685	23053	CG14033	CG14033	23306	CG18144	Hand	23506	CG31032	CG31032
22783	CG12650	CG12650	23057	CG32446	CG32446	23309	CG31659	CG31659	23507	CG31032	CG31032
22785	CG12650	CG12650	23058	CG32446	CG32446	23310	CG31659	CG31659	23510	CG32172	noe
22788	CG12874	CG12874	23066	CG15043	CG15043	23313	CG15404	CG15404	23511	CG33149	Mlp60A
22790	CG12874	CG12874	23067	CG15043	CG15043	23314	CG33350	CheB42c	23512	CG33149	Mlp60A
22792	CG13038	CG13038	23072	CG10140	CG10140	23316	CG33531	Ddr	23517	CG33557	CG33557
22793	CG13038	CG13038	23073	CG10140	CG10140	23321	CG30395	CG30395	23518	CG33557	CG33557
22796	CG13315	CG13315	23075	CG7911	CG7911	23322	CG14133	CG14133	23520	CG16712	CG16712
22797	CG13315	CG13315	23076	CG7930	TpnC73F	23323	CG14133	CG14133	23521	CG16712	CG16712
22803	CG13689	CG13689	23078	CG16995	CG16995	23327	CG11293	CG11293	23522	CG31758	CG31758
22804	CG13713	CG13713	23083	CG8900	RpS18	23328	CG32405	CG32405	23523	CG31758	CG31758
22806	CG13713	CG13713	23084	CG13088	CG13088	23331	CG32405	CG32405	23526	CG6132	Sgs8
22811	CG13751	CG13751	23085	CG13088	CG13088	23332	CG9616	CG9616	23527	CG6132	Sgs8
22812	CG13751	CG13751	23088	CG9306	CG9306	23333	CG7587	CG7587	23530	CG10533	Lcp65Af
22814	CG33507	dpr2	23096	CG7206	CG7206	23339	CG15369	CG15369	23533	CG10533	Lcp65Af
22816	CG33507	dpr2	23099	CG7837	CG7837	23340	CG15369	CG15369	23534	CG16931	Eig71Ea
22818	CG14328	CG14328	23106	CG15456	CG15456	23343	CG32698	CG32698	23535	CG17059	CG17059
22830	CG32698	CG32698	23108	CG15705	CG15705	23346	CG1545	CG1545	23537	CG17325	CG17325
22831	CG32698	CG32698	23110	CG15722		23349	CG15199	CG15199	23538	CG17399	
22837	CG10302	bsf	23111	CG15722		23350	CG15199	CG15199	23540	CG17409	
22839	CG10302	bsf	23134	CG8306	CG8306	23353	CG15202	CG15202	23546	CG17445	
22845	CG10626	Lkr	23139	CG8446	CG8446	23354	CG15202	CG15202	23547	CG17445	
22846	CG10630	CG10630	23141	CG8446	CG8446	23356	CG1577	mRpL52	23550	CG17763	CG17763
22858	CG1138	CG1138	23146	CG8543	CG8543	23358	CG6988	Pdi	23551	CG17777	CG17777
22859	CG1140	CG1140	23147	CG8543	CG8543	23362	CG33158	CG33158	23552	CG17777	CG17777
22864	CG11475	CG11475	23158	CG9095	CG9095	23363	CG10406	mRpS33	23555	CG17935	Mst84Dd
22865	CG11475	CG11475	23159	CG9095	CG9095	23368	CG10466	CG10466	23556	CG17935	Mst84Dd
22867	CG11880	CG11880	23162	CG9307	CG9307	23373	CG11052	CG11052	23558	CG17945	Mst84Dc
22869	CG11880	CG11880	23163	CG9307	CG9307	23374	CG11079	CG11079	23559	CG17945	Mst84Dc
22871	CG12016	CG12016	23166	CG9631	CG9631	23385	CG12436	CG12436	23560	CG1149	MstProx
22872	CG12016	CG12016	23167	CG9631	CG9631	23386	CG12436	CG12436	23561	CG1149	MstProx
22878	CG12340	CG12340	23170	CG9650	CG9650	23388	CG13036	CG13036	23563	CG17962	Z600
22879	CG12376	CG12376	23171	CG9761	Nep2	23391	CG13490	CG13490	23567	CG18416	CG18416
22882	CG12376	CG12376	23172	CG9761	Nep2	23392	CG31126	CG31126	23568	CG18561	CG18561
22910	CG15378	lectin-22C	23176	CG13616	CG13616	23395	CG31126	CG31126	23571	CG3703	CG3703
22915	CG32632	Tango13	23178	CG13616	CG13616	23396	CG31469	CG31469	23572	CG3703	CG3703
22916	CG16761	Cyp4d20	23179	CG3705	aay	23397	CG31469	CG31469	23573	CG30029	CG30029
22917	CG16761	Cyp4d20	23180	CG4377	CG4377	23400	CG31710	CG31710	23575	CG30354	CG30354
22921	CG16880	l(2)34Fa	23181	CG4377	CG4377	23401	CG31710	CG31710	23580	CG5470	CG5470
22924	CG1709	Vha100-1	23190	CG10918	CG10918	23407	CG33090	CG33090	23583	CG5693	CG5693
22925	CG1709	Vha100-1	23192	CG11404	CG11404	23409	CG31906	CG31906	23584	CG5693	CG5693
22928	CG17381	CG17381	23201	CG5216	Sir2	23410	CG32068	CG32068	23586	CG5804	CG5804
22929	CG17381	CG17381	23203	CG11857	CG11857	23412	CG32068	CG32068	23587	CG5804	CG5804
22932	CG17477	CG17477	23204	CG11857	CG11857	23421	CG4884	CG4884	23597	CG32549	CG32549
22933	CG17477	CG17477	23207	CG13887	CG13887	23424	CG5708	CG5708	23598	CG32549	CG32549

23601	CG6891	CG6891	23954	CG17957	Sry-alpha	24223	CG8156	Arf51F	24592	CG12728	CG12728
23602	CG6891	CG6891	23955	CG17957	Sry-alpha	24224	CG8156	Arf51F	24593	CG12728	CG12728
23608	CG8677	CG8677	23959	CG18011	CG18011	24230	CG8187	CG8187	24597	CG12732	CG12732
23609	CG8677	CG8677	23962	CG2864	Parg	24231	CG8199	CG8199	24598	CG12732	CG12732
23620	CG8745	CG8745	23964	CG2864	Parg	24232	CG8199	CG8199	24601	CG10706	SK
23621	CG8778	CG8778	23968	CG17269	Fancd2	24235	CG8206	CG8206	24606	CG12758	sano
23624	CG8834	CG8834	23984	CG15821		24236	CG8207	CG8207	24612	CG12780	CG12780
23625	CG8841	CG8841	23985	CG15821		24240	CG8214	CG8214	24613	CG12780	CG12780
23626	CG8841	CG8841	24009	CG15548	CG15548	24241	CG8214	CG8214	24614	CG12836	CG12836
23631	CG8854	CG8854	24011	CG9362	CG9362	24244	CG8219	CG8219	24615	CG32498	dnc
23633	CG8858	CG8858	24012	CG9362	CG9362	24245	CG8219	CG8219	24616	CG32498	dnc
23634	CG8858	CG8858	24023	CG9392	CG9392	24260	CG8264	Bx42	24617	CG14296	endoA
23641	CG8870	CG8870	24026	CG9436	CG9436	24261	CG8272	CG8272	24618	CG14296	endoA
23643	CG8873	CG8873	24027	CG9436	CG9436	24262	CG8272	CG8272	24622	CG1440	CG1440
23645	CG8893	Gapdh2	24030	CG9448	CG9448	24266	CG8277	eIF4E-5	24625	CG14551	CG14551
23646	CG8893	Gapdh2	24031	CG9450	tud	24267	CG8277	eIF4E-5	24629	CG12608	CG12608
23657	CG8929	CG8929	24032	CG9454	CG9454	24274	CG8281	CG8281	24630	CG12996	CG12996
23659	CG8954	Smg5	24033	CG9454	CG9454	24275	CG8282	Snx6	24635	CG13110	CG13110
23660	CG8961	tef	24037	CG9460	CG9460	24276	CG8282	Snx6	24636	CG13110	CG13110
23661	CG8965	CG8965	24042	CG9471	CG9471	24279	CG8289	CG8289	24639	CG13128	
23664	CG8995	PGRP-LE	24045	CG9497	CG9497	24280	CG8289	CG8289	24642	CG13176	CG13176
23665	CG8995	PGRP-LE	24049	CG9506	slam	24283	CG8292	CG8292	24643	CG13176	CG13176
23671	CG12348	Sh	24050	CG9506	slam	24284	CG8292	CG8292	24648	CG13690	CG13690
23673	CG12348	Sh	24052	CG9508	CG9508	24289	CG8300	CG8300	24654	CG13745	CG13745
23677	CG8021	CG8021	24054	CG9527	CG9527	24291	CG8300	CG8300	24655	CG13745	CG13745
23679	CG8627	Dbi	24059	CG9543	epsilonCOP	24306	CG8395	Rrp42	24656	CG31345	CG31345
23680	CG8627	Dbi	24063	CG9577	CG9577	24308	CG8402	PpD3	24660	CG31701	
23683	CG8750	CG8750	24063	CG9577	CG9577	24309	CG8402	PpD3	24661	CG31701	
23684	CG8750	CG8750	24064	CG9577	CG9577	24333	CG18673	CG18673	24666	CG4792	Dcr-1
23693	CG9445	CG9445	24068	CG9595	osm-6	24340	CG3193	crn	24672	CG4921	Rab4
23694	CG9445	CG9445	24069	CG9601	CG9601	24357	CG2532		24678	CG4937	RhoGAP15B
23698	CG32499	CG32499	24070	CG9601	CG9601	24366	CG2885	RabX2	24680	CG4943	lack
23700	CG32499	CG32499	24072	CG9615	tex	24376	CR30087		24683	CG4945	CG4945
23707	CR30066	CR30066	24073	CG9626	CG9626	24378	CG33519	Unc-89	24687	CG4966	CG4966
23708	CR30066	CR30066	24077	CG9640	CG9640	24413	CG4509	CG4509	24688	CG4966	CG4966
23710	CG10159	BEAF-32	24081	CG9643	CG9643	24423	CG31174	CG31174	24694	CG5613	CG5613
23711	CG10159	BEAF-32	24083	CG9660	toc	24440	CG5288	CG5288	24700	CG6233	Ufd1-like
23714	CR31625	snRNA:U4:39B	24084	CG9660	toc	24443	CG15705	CG15705	24701	CG6410	CG6410
23715	CR31969	CR31969	24085	CG9670	fal	24450	CG31906	CG31906	24713	CG3091	CG3091
23717	CG12069	CG12069	24086	CG9670	fal	24453	CG33755	gdl-ORF39	24719	CG6192	CG6192
23719	CG12069	CG12069	24089	CG9674	CG9674	24469	CG15592	Osi9	24722	CG6215	CkIIalpha-i1
23720	CG9665	CG9665	24090	CG9684	CG9684	24470	CG6796	CG6796	24723	CG7194	CG7194
23722	CG9665	CG9665	24097	CG8419	CG8419	24472	CG1925	mus205	24724	CG7194	CG7194
23723	CG9391	CG9391	24101	CG8449	CG8449	24473	CG8595	Toll-7	24731	CG32350	CG32350
23725	CG9391	CG9391	24102	CG8449	CG8449	24475	CG8581	fra	24735	CG32371	CG32371
23729	CG8336	CG8336	24104	CG8464	HtrA2	24476	CG17716	fas	24736	CG32394	CG32394
23735	CG9286	CG9286	24106	CG8464	HtrA2	24479	CG16857	CG16857	24738	CG32399	CG32399
23738	CG9383	asf1	24108	CG8484	topi	24483	CG11781	CG11781	24739	CG32399	CG32399
23742	CG9945	CG9945	24109	CG8493	CG8493	24484	CG13663	CG13663	24742	CG3312	Rnp4F
23743	CG8119	CG8119	24110	CG8493	CG8493	24486	CG10550	CG10550	24743	CG3312	Rnp4F
23744	CG8119	CG8119	24111	CG8497	Rhp	24487	CG4956	CG4956	24746	CG3326	CG3326
23747	CG8136	CG8136	24112	CG8497	Rhp	24491	CG5077	CG5077	24747	CG3326	CG3326
23755	CG8270	CG8270	24113	CG8503	CG8503	24492	CG31312		24754	CG3386	CG3386
23757	CG8270	CG8270	24117	CG8519	CG8519	24495	CG14027	TotM	24755	CG3386	CG3386
23763	CG8330	tomboy40	24118	CG8519	CG8519	24496	CG4013	Smr	24760	CG3494	CG3494
23777	CG32632	Tango13	24120	CG8531	CG8531	24497	CG4205	Fdxh	24761	CG3494	CG3494
23784	CG15678	CG15678	24122	CG8531	CG8531	24499	CG10128	tra2	24769	CG3838	CG3838
23822	CG32717	sdt	24131	CG8635	CG8635	24500	CG11269	CG11269	24770	CG30026	CG30026
23832	CG16742	CG16742	24132	CG8635	CG8635	24502	CG3385	nvy	24771	CG30026	CG30026
23843	CG16807	CG16807	24140	CG9316	CG9316	24511	CG13142	CG13142	24774	CG30428	CG30428
23844	CG16892	CG16892	24141	CG9320	CG9320	24512	CG13142	CG13142	24790	CG9316	CG9316
23852	CG13193	CG13193	24149	CG9238	CG9238	24515	CG1347	CG1347	24793	CG13809	osm-1
23854	CG32499	CG32499	24150	CG9238	CG9238	24519	CG14154	CG14154	24795	CG13809	osm-1
23855	CG32499	CG32499	24153	CG9242	bur	24520	CG14154	CG14154	24813	CG13890	CG13890
23874	CG13349	CG13349	24160	CG9517	CG9517	24522	CG11765	Prx2540-2	24814	CG13924	CG13924
23878	CG13360	CG13360	24162	CG9517	CG9517	24526	CG12424	CG12424	24821	CG33316	CG33316
23891	CG13544	CG13544	24164	CG9593	CG9593	24529	CG12433	CG12433	24826	CG1399	CG1399
23895	CG13570	spag	24165	CG9593	CG9593	24536	CG12443	ths	24827	CG1399	CG1399
23898	CG13656	CG13656	24167	CG9754	CG9754	24538	CG12443	ths	24830	CG14014	CG14014
23899	CG13656	CG13656	24168	CG9754	CG9754	24540	CG12449		24837	CG14060	CG14060
23904	CG13835	CG13835	24175	CG13956	kat80	24545	CG12453		24841	CG14066	larp
23905	CG13898	CG13898	24180	CG8589	CG8589	24548	CG12473	stnB	24844	CG1410	waw
23906	CG13898	CG13898	24181	CG8589	CG8589	24549	CG33950	trol	24845	CG1410	waw
23910	CG14005	CG14005	24184	CG32742	l(1)G0148	24556	CG12555		24846	CG14102	CG14102
23916	CG14440	CG14440	24186	CG32742	l(1)G0148	24557	CG12555		24851	CG14149	CG14149
23918	CG14648	CG14648	24189	CG9424	bocksbeutel	24558	CG12574		24852	CG14149	CG14149
23919	CG14722	CG14722	24191	CG9424	bocksbeutel	24559	CG12574		24855	CG14262	CG14262
23925	CG15736	Chrac-16	24192	CG4013	Smr	24561	CG12623		24856	CG14262	CG14262
23926	CG15736	Chrac-16	24196	CG8120	HP1e	24567	CG12645	CG12645	24859	CG14285	CG14285
23928	CG17041	CG17041	24198	CG8120	HP1e	24570	CG32700	CG32700	24860	CG14353	CG14353
23929	CG17041	CG17041	24201	CG8129	CG8129	24578	CG12678	CG12678	24861	CG14353	CG14353
23934	CG8494	CG8494	24202	CG8129	CG8129	24581	CG12680	CG12680	24862	CG14357	CG14357
23935	CG8494	CG8494	24203	CG8134	CG8134	24584	CG12680	CG12680	24863	CG14357	CG14357
23936	CG1629	yellow-h	24204	CG8134	CG8134	24585	CG12691	CG12691	24872	CG14615	CG14615
23937	CG1629	yellow-h	24208	CG8138	CG8138	24587	CG12691	CG12691	24874	CG14617	CG14617
23942	CG17164		24209	CG8138	CG8138	24588	CG12702	CG12702	24875	CG14617	CG14617
23943	CG17164		24214	CG8144		24589	CG12702	CG12702	24879	CG14618	CG14618

24881	CG14620	tilB	25214	CG17146	Adk1	25446	CG2890	PPP4R2r	25676	CG31075	CG31075
24883	CG14620	tilB	25216	CG17146	Adk1	25449	CG2906	CG2906	25684	CG31092	LpR2
24889	CG14628	CG14628	25218	CG17149	CG17149	25450	CG2909	CG2909	25693	CG31115	CG31115
24894	CG14630	CG14630	25221	CG32371	CG32371	25451	CG2911	CG2911	25699	CG31125	CG31125
24895	CG14630	CG14630	25222	CG12424	CG12424	25452	CG2911	CG2911	25700	CG31125	CG31125
24897	CG14631	CG14631	25229	CG17221	CG17221	25454	CG2916	1/9/2005	25701	CG31163	CG31163
24903	CG14667	CG14667	25231	CG17233	CG17233	25457	CG2919	CG2919	25702	CG31163	CG31163
24905	CG14685	Cap-H2	25236	CG17258	CG17258	25458	CG2929	PI4KIIalpha	25706	CG31169	CG31169
24907	CG14689	CG14689	25244	CG17266	CG17266	25459	CG2929	PI4KIIalpha	25712	CG3121	CG3121
24911	CG14708	CG14708	25252	CG17301	CG17301	25469	CG2980	thoc5	25713	CG3121	CG3121
24914	CG14720	CG14720	25256	CG17359	CG17359	25470	CG2980	thoc5	25718	CG31216	CG31216
24915	CG14720	CG14720	25257	CG17411		25473	CG2995	CG2995	25725	CG31231	CG31231
24917	CG14749	CG14749	25258	CG17411		25474	CG2995	CG2995	25727	CG31245	CG31245
24924	CG14759	CG14759	25261	CG17490	CG17490	25477	CG5935	Dek	25728	CG31245	CG31245
24928	CG14854	CG14854	25262	CG17498	mad2	25480	CG5986	CG5986	25740	CG31131	CG31131
24929	CG14854	CG14854	25264	CG17498	mad2	25483	CG5991	CG5991	25750	CG31332	unc-115
24932	CG33207	pxb	25265	CG17501		25484	CG5998	Adgf-B	25756	CG31392	CG31392
24933	CG33207	pxb	25266	CG17501		25487	CG5998	Adgf-B	25757	CG31392	CG31392
24934	CG14889	CG14889	25269	CG17514		25489	CG6004	CG6004	25760	CG31421	Takl1
24943	CG33545	nab	25270	CG17527	GstE5	25491	CG6004	CG6004	25761	CG31274	CG31274
24947	CG15034	CG15034	25271	CG17566	gammaTub37C	25492	CG6005	CG6005	25763	CG31274	CG31274
24949	CG15034	CG15034	25272	CG17566	gammaTub37C	25493	CG6005	CG6005	25765	CG31457	CG31457
24951	CG15047	CG15047	25273	CG17570	CG17570	25504	CG7590	scyl	25773	CG31501	nxf4
24952	CG15047	CG15047	25276	CG17320	ScpX	25506	CG7590	scyl	25774	CG31501	nxf4
24955	CG15048	CG15048	25285	CG17807	CG17807	25514	CG7615	fig	25775	CG31525	CG31525
24975	CG17819	CG17819	25289	CG18005	CG18005	25518	CG7676	cona	25779	CG31550	CG31550
24988	CG2381	Syt7	25291	CG33653	Caps	25520	CG7694	CG7694	25784	CG3165	CG3165
24989	CG2381	Syt7	25292	CG33653	Caps	25521	CG7694	CG7694	25785	CG3165	CG3165
24992	CG32656	CG32656	25294	CG18063	CG18063	25526	CG7716	CG7716	25786	CG31653	
24993	CG32656	CG32656	25296	CG18124	mTTF	25527	CG7716	CG7716	25789	CG31664	CG31664
25003	CG7634	CG7634	25298	CG18171	CG18171	25528	CG7717	Mekk1	25790	CG31664	CG31664
25009	CG30195	CG30195	25299	CG18171	CG18171	25529	CG7717	Mekk1	25797	CG31673	CG31673
25010	CG30195	CG30195	25301	CG18210	CG18210	25534	CG7722	CG7722	25800	CG31677	CG31677
25015	CG3029	or	25302	CG18210	CG18210	25535	CG7742	CG7742	25802	CG31697	CG31697
25016	CG30499	CG30499	25304	CG18247	shark	25536	CG7742	CG7742	25807	CG31702	CG31702
25021	CG31037	ca	25305	CG1825	Map60	25539	CG7745	CG7745	25808	CG31702	CG31702
25024	CG31057	tau	25306	CG1825	Map60	25543	CG7755	CG7755	25821	CG31723	CG31723
25026	CG31069	spn-D	25311	CG18269	CG18269	25544	CG7755	CG7755	25831	CG31752	CG31752
25030	CG31110	CG31110	25316	CG1832	CG1832	25555	CG30005	CG30005	25832	CG31752	CG31752
25033	CG8176	CG8176	25322	CG1835	CG1835	25557	CG12052	lola	25838	CG31768	
25036	CG31145	CG31145	25323	CG1835	CG1835	25559	CG30069	CG30069	25840	CG31768	
25037	CG31160	CG31160	25336	CG18432	CG18432	25562	CG30069	CG30069	25846	CG31772	CG31772
25038	CG31160	CG31160	25337	CG18432	CG18432	25563	CG30075	CG30075	25847	CG31772	CG31772
25042	CG31191	CG31191	25340	CG18468	Lhr	25564	CG30075	CG30075	25851	CG31794	Pax
25044	CG31363	Jupiter	25341	CG18473	CG18473	25567	CG30077	CG30077	25853	CG31794	Pax
25049	CG31536	Cdep	25342	CG18473	CG18473	25570	CG30094	CG30094	25855	CG31798	CG31798
25050	CG31536	Cdep	25343	CG1848	LIMK1	25574	CG30127	CG30127	25859	CG31803	CG31803
25051	CG31676	CG31676	25344	CG1848	LIMK1	25578	CG30147	Hil	25859	CG31803	CG31803
25052	CG17140	CG17140	25345	CG18506	CG18506	25585	CG30159	CG30159	25861	CG31805	CG31805
25055	CG9640	CG9640	25347	CG18506	CG18506	25586	CG30159	CG30159	25863	CG31807	CG31807
25076	CG15695	CG15695	25355	CG18538	CG18538	25590	CG30170	bgcn	25864	CG31815	CG31815
25077	CG15695	CG15695	25356	CG18538	CG18538	25591	CG30170	bgcn	25871	CG31826	CG31826
25080	CG15708	CG15708	25357	CG18539	CG18539	25594	CG30183	CG30183	25872	CG31826	CG31826
25081	CG15708	CG15708	25359	CG18540	CG18540	25595	CG30183	CG30183	25875	CG31829	CG31829
25090	CG6493	Dcr-2	25360	CG18540	CG18540	25601	CG3021	CG3021	25878	CG31834	
25100	CG15262	CG15262	25365	CG33274	CG33274	25604	CG30217	CG30217	25879	CG31834	
25103	CG15337	CG15337	25369	CG18666	CG18666	25606	CG30217	CG30217	25888	CG31857	CG31857
25108	CG15364	CG15364	25370	CG18666	CG18666	25609	CG3027	pyd3	25892	CG31859	CG31859
25109	CG33516	dpr3	25371	CG33208	MICAL	25610	CG3027	pyd3	25893	CG31861	CG31861
25110	CG33516	dpr3	25372	CG33208	MICAL	25613	CG30278	CG30278	25894	CG31861	CG31861
25111	CG15390	CG15390	25378	CG1868	CG1868	25614	CG30278	CG30278	25900	CG31910	CG31910
25112	CG15390	CG15390	25379	CG1868	CG1868	25615	CG3028	lpp	25906	CG33715	Msp-300
25116	CG15468	SIP3	25381	CG18731	CG18731	25617	CG30367		25909	CG31917	CG31917
25117	CG15475	CG15475	25382	CG18731	CG18731	25618	CG30367		25912	CG31920	CG31920
25118	CG15475	CG15475	25387	CG1977	alpha-Spec	25621	CG3045	CG3045	25914	CG31920	CG31920
25121	CG1550	CG1550	25389	CG2004	CG2004	25622	CG30501	CG30501	25916	CG31921	CG31921
25140	CG33175	spri	25391	CG2004	CG2004	25623	CG30501	CG30501	25917	CG31921	CG31921
25143	CG15634	CG15634	25392	CG2025	CG2025	25627	CG3073	l(1)G0144	25922	CG31935	CG31935
25146	CG2209	CG2209	25393	CG2025	CG2025	25630	CG3077	CG3077	25923	CG31935	CG31935
25147	CG2209	CG2209	25396	CG2046	CG2046	25631	CG3077	CG3077	25926	CG31957	CG31957
25150	CG2227	Gip	25397	CG2046	CG2046	25632	CG3081	CG3081	25929	CR33195	
25160	CG2803	Tina-1	25399	CG2078	Myd88	25634	CG3081	CG3081	25931	CR33195	
25166	CG2922	exba	25402	CG2078	Myd88	25636	CG3099	CG3099	25934	CR33195	
25168	CG6042	Cyp12a4	25403	CG2112	CG2112	25638	CG3099	CG3099	25935	CR33195	
25172	CG7642	ry	25405	CG2112	CG2112	25641	CG31003	gskt	25938	CG31974	CG31974
25175	CG7642	ry	25406	CG2118	CG2118	25643	CG2171	Tpi	25939	CG31624	CG31624
25185	CG15086	CG15086	25415	CG22245	l(3)s1921	25644	CG2171	Tpi	25940	CG32005	CG32005
25186	CG15086	CG15086	25417	CG2543	CG2543	25651	CG31033	CG31033	25945	CG1651	Ank
25188	CG15097	CG15097	25422	CG2641	CG2641	25652	CG31033	CG31033	25946	CG1651	Ank
25195	CG15143	CG15143	25428	CG2680	CG2680	25655	CG31038	CG31038	25948	CG32043	CG32043
25198	CG15161	CG15161	25432	CG2701	CG2701	25656	CG31038	CG31038	25950	CG32043	CG32043
25201	CG16721	CG16721	25433	CG2701	CG2701	25661	CG3105	CG3105	25953	CG5316	CG5316
25202	CG16725	Smn	25435	CG2706	fs(1)Yb	25662	CG3105	CG3105	25954	CG5316	CG5316
25205	CG1673	CG1673	25437	CG2706	fs(1)Yb	25663	CG31051	CG31051	25963	CG3687	CG3687
25209	CG17051	dod	25439	CG2818	CG2818	25664	CG31051	CG31051	25964	CG3922	RpS17
25210	CG17051	dod	25441	CG2818	CG2818	25667	CG31058	CG31058	25967	CG4247	mRpS10
25212	CG17122	CG17122	25444	CG2827	Tal	25674	CG31066	CG31066	25971	CG5327	CG5327

25972	CG5327	CG5327	26200	CG3473	CG3473	26525	CG4375	CG4375	26784	CG1090	CG1090
25976	CG5411	Pde8	26201	CG3473	CG3473	26526	CG4375	CG4375	26786	CG11128	slif
25982	CG6188	CG6188	26208	CG3495	Gmer	26529	CG4399	east	26791	CG1148	Osi2
25983	CG6188	CG6188	26211	CG3504	inaD	26534	CG32649	CG32649	26796	CG11821	Cyp12a5
25990	CG6259	CG6259	26213	CG3509	CG3509	26536	CG32649	CG32649	26798	CG11821	Cyp12a5
25993	CG6262	CG6262	26214	CG3526	CG3526	26539	CG4449	CG4449	26799	CG11975	CG11975
25995	CG6391	Aps	26220	CG3532	CG3532	26540	CG4449	CG4449	26800	CG11975	CG11975
25996	CG6391	Aps	26221	CG3532	CG3532	26543	CG4488	wee	26801	CG32508	shakB
25999	CG6584	SelR	26224	CG3539	Slh	26554	CG4563	CG4563	26802	CG32508	shakB
26000	CG6584	SelR	26229	CG3542	CG3542	26557	CG4574	Plc21C	26805	CG14360	Or88a
26006	CG7001	Pk17E	26236	CG3563	CG3563	26558	CG4574	Plc21C	26806	CG14513	yemalpha
26008	CG7266	Eip71CD	26238	CG3581	CG3581	26562	CG4600	yip2	26808	CG14513	yemalpha
26009	CG7266	Eip71CD	26240	CG3581	CG3581	26573	CG4629	CG4629	26811	CG14546	CG14546
26015	CG16889	adat	26243	CG3584	qkr58E-3	26574	CG4629	CG4629	26815	CG17795	mthl2
26019	CG7873	Src42A	26270	CG3691	Pof	26584	CG4649	Sodh-2	26816	CG30469	CG30469
26025	CG3501	CG3501	26271	CG3691	Pof	26587	CG4655	CG4655	26817	CG30469	CG30469
26026	CG3501	CG3501	26272	CG3708	CG3708	26589	CG4661	CG4661	26822	CG3349	CG3349
26027	CG5486	Ubp64E	26274	CG3714	CG3714	26591	CG4661	CG4661	26824	CG15535	CG15535
26035	CG7156	CG7156	26282	CG32809	CG32809	26592	CG4669	CG4669	26825	CG15535	CG15535
26036	CG7156	CG7156	26285	CG18155	CG18155	26594	CG4669	CG4669	26831	CG15929	lin-52
26039	CG8025	Mtr3	26286	CG18467	CG18467	26597	CG4674	CG4674	26833	CG18662	CG18662
26044	CG32364	CG32364	26294	CG30264	CG30264	26598	CG4674	CG4674	26834	CG18662	CG18662
26045	CG32364	CG32364	26295	CG30264	CG30264	26601	CG4703	Arc42	26836	CG30179	CG30179
26051	CG32435	chb	26299	CG32498	dnc	26603	CG4703	Arc42	26838	CG7606	
26057	CG3675	Art2	26301	CG3861	l(1)G0030	26606	CG4707	CG4707	26839	CG32813	CG32813
26058	CG3675	Art2	26302	CG3861	l(1)G0030	26608	CG4707	CG4707	26849	CG14245	CG14245
26061	CG30002	CG30002	26313	CG30050	CG30050	26615	CG4735	shu	26852	CG31749	CG31749
26063	CG30002	CG30002	26314	CG30050	CG30050	26623	CG4751	CG4751	26854	CG31816	CG31816
26068	CG3995	CG3995	26318	CG31101	CG31101	26625	CG4764	CG4764	26857	CG31840	CG31840
26069	CG3995	CG3995	26321	CG31459	CG31459	26626	CG4789	CG4789	26859	CG32027	CG32027
26070	CG4074	CG4074	26323	CG31459	CG31459	26627	CG4798	l(2)k01209	26863	CG14830	CG14830
26071	CG4074	CG4074	26324	CG32202	CG32202	26628	CG4798	l(2)k01209	26865	CG14830	CG14830
26074	CG4095	CG4095	26325	CG32202	CG32202	26637	CG4810	CG4810	26867	CG32431	CG32431
26075	CG4599	Tpr2	26328	CG3263	Pka-R1	26641	CG4839	CG4839	26868	CG32431	CG32431
26081	CG5327	CG5327	26329	CG3263	Pka-R1	26642	CG4839	CG4839	26872	CG3694	Ggamma30A
26082	CG5327	CG5327	26337	CG3805		26645	CG4841	CG4841	26873	CG3694	Ggamma30A
26090	CG6775	rg	26338	CG3967	CG3967	26646	CG4841	CG4841	26876	CG7485	TyrR
26091	CG6775	rg	26339	CG3967	CG3967	26649	CG4858	CG4858	26877	CG7485	TyrR
26094	CG6888	CG6888	26345	CG3988	gammaSnap	26652	CG4896	CG4896	26879	CG7525	Tie
26097	CG7041	HP1b	26346	CG3988	gammaSnap	26655	CG4909	POSH	26888	CG7771	sim
26099	CG7313	CheA75a	26348	CG3991	TppII	26657	CG4909	POSH	26892	CG16998	CG16998
26100	CG7356	CG7356	26354	CG3999	CG3999	26669	CG4969	Wnt6	26893	CG16998	CG16998
26101	CG7356	CG7356	26355	CG4015	Fcp3C	26683	CG5004	CG5004	26896	CG14957	CG14957
26104	CG7574	bip1	26356	CG4015	Fcp3C	26685	CG5025	Sps2	26897	CG14957	CG14957
26106	CG7574	bip1	26370	CG4036	CG4036	26686	CG5025	Sps2	26898	CG10852	Acp63F
26110	CG3294	CG3294	26372	CG33224	CG33224	26687	CG5045	CG5045	26899	CG10852	Acp63F
26111	CG3294	CG3294	26373	CG33224	CG33224	26688	CG5045	CG5045	26904	CG31526	CG31526
26112	CG32164	CG32164	26382	CG4064	CG4064	26692	CG5047	CG5047	26906	CG31526	CG31526
26114	CG32164	CG32164	26383	CG4064	CG4064	26693	CG5047	CG5047	26908	CG9084	CG9084
26115	CG32242	CG32242	26384	CG4067	pug	26694	CG6576	CG6576	26910	CG8789	CG8789
26116	CG32242	CG32242	26385	CG4067	pug	26695	CG6576	CG6576	26911	CG8828	CG8828
26118	CG32333	CG32333	26395	CG4119	CG4119	26699	CG6614	CG6614	26912	CG8828	CG8828
26121	CG32375	CG32375	26397	CG4159	CG4159	26700	CG6614	CG6614	26915	CG8914	CkIIbeta2
26122	CG32375	CG32375	26400	CG4161	CG4161	26701	CG6630	CG6630	26923	CG8968	CG8968
26126	CG32386	corn	26408	CG4170	vig	26702	CG6630	CG6630	26924	CG9068	CG9068
26127	CG15161	CG15161	26409	CG4170	vig	26706	CG6652	CG6652	26926	CG9068	CG9068
26129	CG1550	CG1550	26416	CG4190	Hsp67Bc	26707	CG6661	CG6661	26933	CG8174	SRPK
26130	CG17122	CG17122	26417	CG4190	Hsp67Bc	26711	CG6662	CG6662	26941	CG8193	CG8193
26131	CG32407	CG32407	26422	CG4198	CG4198	26713	CG6662	CG6662	26943	CG8193	CG8193
26133	CG16993	in	26423	CG4199	CG4199	26715	CG6674	CG6674	26947	CG8236	CG8236
26141	CG32454	CG32454	26424	CG4199	CG4199	26716	CG6674	CG6674	26950	CG8236	CG8236
26142	CG32454	CG32454	26427	CG4201	ird5	26719	CG6678	CG6678	26955	CG8316	CG8316
26143	CG32462	CG32462	26441	CG4211	nonA	26722	CG6715	KP78a	26956	CG8316	CG8316
26144	CG32462	CG32462	26448	CG4230	CG4230	26723	CG6818	MESR6	26966	CG31112	CG31112
26149	CG32461	CG32461	26452	CG4233	Got2	26724	CG6818	MESR6	26973	CG33214	CG33214
26150	CG32461	CG32461	26453	CG4233	Got2	26727	CG7138	r2d2	26980	CG12029	CG12029
26154	CG32487	CG32487	26461	CG4249	c(2)M	26732	CG7182	CG7182	26982	CG32597	l(1)G0469
26155	CG33229	CG33229	26463	CG4249	c(2)M	26739	CG7326	CG7326	26983	CG32597	l(1)G0469
26157	CG33229	CG33229	26468	CG4265	Uch	26740	CG7457	CG7457	26987	CG8584	CG8584
26159	CG3253	CG3253	26469	CG4265	Uch	26741	CG7457	CG7457	26988	CG8584	CG8584
26162	CG3254	pgant2	26479	CG4272	CG4272	26744	CG7518	CG7518	26990	CG8603	CG8603
26163	CG3254	pgant2	26482	CG4276	aru	26745	CG7518	CG7518	26992	CG8603	CG8603
26166	CG3273	sced	26487	CG4278	CG4278	26749	CG17752	CG17752	26995	CG8624	melt
26167	CG3273	sced	26492	CG4286	CG4286	26750	CG17752	CG17752	26997	CG8675	CG8675
26170	CG3281	CG3281	26493	CG4286	CG4286	26753	CG6138	CG6138	26998	CG32592	hiw
26171	CG3362	CG3362	26496	CG4290	CG4290	26755	CG6138	CG6138	27004	CG9100	Rab30
26173	CG3362	CG3362	26497	CG4290	CG4290	26758	CG10680	CG10680	27008	CG9169	FucTD
26177	CG3368	CG3368	26500	CG4300	CG4300	26763	CG10958	CG10958	27009	CG9169	FucTD
26178	CG3368	CG3368	26501	CG4300	CG4300	26765	CG6371	hug	27010	CG9222	CG9222
26179	CG3371	CG3371	26508	CG4318	CG4318	26766	CG6371	hug	27018	CG9542	CG9542
26180	CG3371	CG3371	26509	CG4318	CG4318	26769	CG10195	CG10195	27020	CG9561	
26187	CG3422	Pros28.1	26514	CG4335	CG4335	26771	CG10195	CG10195	27021	CG9561	
26188	CG3422	Pros28.1	26515	CG4335	CG4335	26776	CG10219	CG10219	27024	CG9588	CG9588
26190	CG3425	T3dh	26517	CG4351	CG4351	26777	CG10335	Pbgs	27025	CG9596	CG9596
26196	CG3445	phol	26519	CG4351	CG4351	26779	CG10335	Pbgs	27029	CG9624	CG9624
26198	CG3448	CG3448	26520	CG4360	CG4360	26780	CG10625	CG10625	27030	CG9624	CG9624
26199	CG3448	CG3448	26521	CG4360	CG4360	26783	CG1090	CG1090	27039	CG9993	CG9993

27042	CG31617	His1:CG31617	27284	CG1057	MED31	27499	CG5735	orb2	27823	CG7061	rab3-GAP
27049	CG10446	Side	27288	CG10589	CG10589	27504	CG5757	CG5757	27824	CG7061	rab3-GAP
27052	CG10702	CG10702	27289	CG10589	CG10589	27505	CG5762	CG5762	27828	CG7065	CG7065
27053	CG17348	drl	27299	CG10663	CG10663	27506	CG5762	CG5762	27830	CG7067	NitFhit
27057	CG17559	dnt	27300	CG10663	CG10663	27509	CG5781	CG5781	27831	CG7067	NitFhit
27059	CG5096	CG5096	27301	CG10673	CG10673	27510	CG5781	CG5781	27833	CG7069	CG7069
27060	CG5096	CG5096	27304	CG10681	CG10681	27516	CG5790	CG5790	27834	CG7069	CG7069
27065	CG7449	hbs	27305	CG10681	CG10681	27521	CG5826	Prx5037	27842	CG7094	CG7094
27069	CG12781	nahoda	27306	CG10682	vih	27522	CG5828	CG5828	27843	CG7094	CG7094
27070	CG12781	nahoda	27307	CG10695	Pat1	27523	CG5828	CG5828	27846	CG7095	CG7095
27076	CG5819	CG5819	27308	CG10695	Pat1	27531	CG5872	CG5872	27848	CG7099	CG7099
27084	CG2086	drpr	27311	CG10749	CG10749	27533	CG5889	Mdh	27849	CG7101	CG7101
27086	CG2086	drpr	27312	CG10749	CG10749	27535	CG5889	Mdh	27850	CG7101	CG7101
27087	CG7525	Tie	27313	CG10750	CG10750	27537	CG5905	Nep1	27853	CG7107	up
27091	CG10975	Ptp69D	27316	CG10750	CG10750	27538	CG5905	Nep1	27856	CG7110	CG7110
27094	CG8742	Gyc76C	27318	CG10803	CG10803	27541	CG6058	Ald	27858	CG7111	Rack1
27097	CG11282	caps	27319	CG10814	CG10814	27546	CG6072	sra	27864	CG7122	RhoGAP16F
27098	CG6890	Tollo	27320	CG10845	CG10845	27549	CG6083	CG6083	27876	CG7133	CG7133
27099	CG6890	Tollo	27322	CG10859	CG10859	27554	CG33129	CG33129	27878	CG7133	CG7133
27102	CG7250	Toll-6	27324	CG10859	CG10859	27561	CG6093	abo	27887	CG7140	CG7140
27106	CG32134	btl	27326	CG10869	CG10869	27562	CG6093	abo	27888	CG7140	CG7140
27108	CG32134	btl	27329	CG10889	CG10889	27570	CG6265	Nep5	27893	CG7152	Syn1
27110	CG32179	Km	27330	CG10889	CG10889	27571	CG6265	Nep5	27894	CG7168	CG7168
27111	CG32179	Km	27332	CG1089	alpha-Est5	27581	CG6320	Ca-beta	27895	CG7168	CG7168
27113	CG7749	fat2	27343	CG10964	sni	27584	CG6321	CG6321	27904	CG7186	SAK
27114	CG7749	fat2	27346	CG1098	Madm	27585	CG6321	CG6321	27912	CG7200	CG7200
27116	CG7166	CG7166	27352	CG5068	CG5068	27588	CG6345	CG6345	27913	CG7200	CG7200
27121	CG7800	CG7800	27357	CG5122	CG5122	27589	CG6345	CG6345	27914	CG7207	CG7207
27124	CG13804	yellow-g2	27358	CG5122	CG5122	27592	CG33981	CG33981	27915	CG7215	CG7215
27126	CG12607	CG12607	27359	CG5125	ninaC	27598	CG6369	Smg6	27916	CG7215	CG7215
27126	CG12607	CG12607	27360	CG5125	ninaC	27599	CG6369	Smg6	27919	CG7233	snoN
27127	CG10469	CG10469	27363	CG5151	CG5151	27602	CG6385	CG6385	27920	CG7233	snoN
27129	CG6585	Cyp308a1	27364	CG5155	CG5155	27610	CG4969	Wnt6	27924	CG7251	CG7251
27132	CG13138	CG13138	27365	CG5155	CG5155	27614	CG6422	CG6422	27926	CG7251	CG7251
27134	CG33542	upd3	27367	CG5177	CG5177	27615	CG6422	CG6422	27928	CG7254	GlyP
27136	CG33542	upd3	27368	CG5182	Pk34A	27619	CG6424	CG6424	27929	CG7254	GlyP
27137	CG15138	beat-IIIc	27372	CG5199	CG5199	27622	CG6428	CG6428	27930	CG7261	CG7261
27138	CG15138	beat-IIIc	27373	CG5202	escl	27623	CG6433	qua	27932	CG7265	CG7265
27141	CG15284	pburs	27374	CG5202	escl	27624	CG6441	CG6441	27933	CG7265	CG7265
27142	CG15284	pburs	27378	CG5208	CG5208	27630	CG6451	blue	27948	CG7319	mtTFB1
27143	CG30473	Obp51a	27381	CG5245	CG5245	27632	CG6465	CG6465	27949	CG7319	mtTFB1
27144	CG30473	Obp51a	27382	CG5245	CG5245	27638	CG6477	RhoGAP54D	27951	CG7328	CG7328
27148	CG10274	CG10274	27383	CG5252	Ranbp9	27639	CG6477	RhoGAP54D	27952	CG7328	CG7328
27150	CG10307	CG10307	27384	CG5252	Ranbp9	27640	CG6481	CG6481	27955	CG7331	CG7331
27157	CG17319	CG17319	27386	CG5267	CG5267	27641	CG6481	CG6481	27956	CG7331	CG7331
27159	CG17319	CG17319	27387	CG5267	CG5267	27646	CG6502	E(z)	27959	CG7332	CG7332
27160	CG7381	CG7381	27390	CG5270	CG5270	27649	CG6514	TpnC25D	27960	CG7332	CG7332
27161	CG7381	CG7381	27391	CG5272	gnu	27655	CG6541	Mst33A	27962	CG7335	CG7335
27164	CG1804	kek6	27395	CG5357	CG5357	27656	CG6541	Mst33A	27963	CG7338	CG7338
27165	CG1804	kek6	27402	CG5376	CG5376	27658	CG6543	CG6543	27966	CG7351	CG7351
27177	CG7649	Neu3	27403	CG5376	CG5376	27659	CG6543	CG6543	27968	CG7351	CG7351
27178	CG7649	Neu3	27406	CG5406	sif	27661	CG6549	fws	27970	CG7357	CG7357
27181	CG7223	htl	27407	CG5406	sif	27662	CG6551	fu	27974	CG7363	w-cup
27183	CG7702	CG7702	27410	CG5407	Sur-8	27663	CG6551	fu	27976	CG7363	w-cup
27184	CG7702	CG7702	27411	CG5407	Sur-8	27666	CG6567	CG6567	27977	CG7366	CG7366
27189	CG31431	CG31431	27415	CG5422	Rox8	27667	CG6567	CG6567	27979	CG7368	CG7368
27190	CG31431	CG31431	27417	CG5432	CG5432	27671	CG6586	tan	27984	CG7371	CG7371
27198	CG5634	dsd	27418	CG5439	CG5439	27672	CG6593	Pp1alpha-96A	27992	CG7387	CG7387
27199	CG5634	dsd	27419	CG32849	Hex-t2	27695	CG6621	CG6621	27996	CG7422	CG7422
27203	CG14064	beat-VI	27420	CG5458	CG5458	27696	CG6622	Pkc53E	27997	CG7422	CG7422
27205	CG14064	beat-VI	27421	CG5458	CG5458	27711	CG6689	CG6689	28006	CG7427	CG7427
27208	CG2005		27432	CG5489	Atg7	27719	CG6697	CG6697	28007	CG7429	CG7429
27211	CG31009	Cad99C	27433	CG5491	CG5491	27727	CG6719	CG6719	28008	CG7429	CG7429
27212	CG31009	Cad99C	27439	CG5498	CG5498	27732	CG33957	cp309	28011	CG7430	CG7430
27215	CG31009	Cad99C	27440	CG5498	CG5498	27734	CG33957	cp309	28014	CG7433	CG7433
27216	CG31009	Cad99C	27447	CG5515	CG5515	27736	CG6738	CG6738	28024	CG7437	mub
27219	CG17245	plexB	27449	CG5516	CG5516	27741	CG6760	l(3)70Da	28028	CG7461	CG7461
27220	CG17245	plexB	27450	CG5526	Dhc36C	27756	CG6951	CG6951	28029	CG7461	CG7461
27225	CG4125	rst	27451	CG5526	Dhc36C	27758	CG6951	CG6951	28033	CG33090	CG33090
27227	CG3653	kirre	27459	CG5547	Pect	27760	CG6954	CG6954	28034	CG33090	CG33090
27232	CG6899	Ptp4E	27460	CG5547	Pect	27768	CG6967	CG6967	28039	CG7481	RhoGAP18B
27236	CG1511	Eph	27462	CG5565	CG5565	27772	CG31239	CG31239	28040	CG7481	RhoGAP18B
27238	CG11081	plexA	27463	CG5565	CG5565	27779	CG6990	HP1c	28041	CG7486	Dredd
27240	CG11081	plexA	27469	CG5626	CG5626	27782	CG6990	HP1c	28046	CG7502	CG7502
27242	CG12139	CG12139	27470	CG5643	wdb	27786	CG7004	fwd	28047	CG7502	CG7502
27247	CG2221	l(1)G0289	27472	CG5654	yps	27789	CG7009	CG7009	28050	CG7504	CG7504
27247	CG2221	l(1)G0289	27473	CG5654	yps	27790	CG7009	CG7009	28051	CG7504	CG7504
27249	CG12199	kek5	27475	CG5663	Dip-C	27796	CG7020	DIP2	28059	CG7549	CG7549
27251	CG32382	CG32382	27476	CG5663	Dip-C	27797	CG7020	DIP2	28061	CG7560	CG7560
27262	CG10467	CG10467	27479	CG5675	X11L	27799	CG7023	CG7023	28063	CG7560	CG7560
27263	CG10467	CG10467	27482	CG5688	Grip163	27802	CG7023	CG7023	28064	CG7788	Ice
27265	CG10478	CG10478	27487	CG5720	CG5720	27803	CG7024	CG7024	28067	CG7804	CG7804
27266	CG10478	CG10478	27488	CG5721	CG5721	27804	CG7024	CG7024	28068	CG7804	CG7804
27273	CG10553	CG10553	27489	CG5721	CG5721	27811	CG7044	CG7044	28069	CG33991	nuf
27274	CG10553	CG10553	27492	CG5729	Dgp-1	27812	CG7044	CG7044	28072	CG7972	mus301
27278	CG10560	CG10560	27493	CG5730	AnnIX	27815	CG7053	CG7053	28074	CG7974	CG7974
27281	CG10566	CG10566	27498	CG5735	orb2	27816	CG7053	CG7053	28083	CG17165	

28084	CG17165	
28087	CG15578	CG15578
28088	CG15578	CG15578
28093	CG8517	CG8517
28094	CG8517	CG8517
28098	CG8981	MCPH1
28100	CG8981	MCPH1
28102	CG8998	Roc2
28103	CG8998	Roc2
28106	CG4875	CG4875
28109	CG9166	312
28110	CG9166	312
28111	CG9204	Ate1
28112	CG9204	Ate1
28115	CG9212	Nipsnap
28116	CG9212	Nipsnap
28119	CG9218	sm
28125	CG9328	CG9328
28126	CG9328	CG9328
28133	CG9636	CG9636
28134	CG9636	CG9636
28137	CG18358	CG18358
28138	CG9752	CG9752
28139	CG9795	CG9795
28145	CG9958	snapin
28150	CG10060	G-ialpha65A
28155	CG10706	SK
28158	CG12824	CG12824
28160	CG33214	CG33214
28162	CG31800	CG31800
28163	CG32592	hiw
28168	CG7980	RabX5
28169	CG7980	RabX5
28175	CG8032	CG8032
28176	CG8032	CG8032
28186	CG8065	CG8065
28187	CG8065	CG8065
28189	CG8069	Phax
28190	CG8069	Phax
28192	CG8085	RN-tre
28199	CG8097	CG8097
28201	CG8097	CG8097
28204	CG8100	CG8100
28205	CG8100	CG8100
28206	CG17975	sut2
28207	CG17975	sut2
28220	CG17217	CG17217
28224	CG1980	dj
28225	CG1980	dj
28226	CG13245	CG13245
28227	CG13245	CG13245
28229	CG9538	Ag5r
28230	CG9538	Ag5r
28231	CG13905	CG13905
28237	CG6597	CG6597
28242	CG8472	Cam
28250	CG9586	CG9586
28251	CG9586	CG9586
28255	CG11527	Tig
28260	CG11897	CG11897
28263	CG13848	CG13848
28268	CG1829	Cyp6v1
28269	CG1829	Cyp6v1
28281	CG5190	CG5190
28285	CG18505	Acyp2
28286	CG18505	Acyp2
28289	CG10838	robl22E
28290	CG13202	CG13202
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28292	CG8694	LvpD
28303	CG10997	Clic
28311	CG11594	CG11594
28314	CG11912	CG11912
28321	CG13829	CG13829
28325	CG13990	CG13990
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28329	CG14016	tomb
28330	CG14016	tomb
28332	CG17475	CG17475
28333	CG17475	CG17475
28340	CG18525	Spn5
28342	CG1960	mu2
28349	CG2196	CG2196
28350	CG2196	CG2196
28351	CG31205	CG31205
28352	CG31681	CG31681
28353	CG31681	CG31681
28354	CG31785	CG31785
28357	CG3690	CG3690
28361	CG3695	MED23
28363	CG3695	MED23
28365	CG3798	Nmda1
28367	CG4012	gek
28368	CG4145	Cg25C
28369	CG4145	Cg25C
28372	CG32573	CG32573
28373	CG32573	CG32573
28376	CG4677	Imd
28379	CG4678	CG4678
28382	CG4854	CG4854
28383	CG4854	CG4854
28393	CG5510	CG5510
28397	CG5714	ecd
28402	CG5919	CG5919
28403	CG5919	CG5919
28405	CG6168	CG6168
28406	CG6168	CG6168
28410	CG6361	CG6361
28413	CG6508	CG6508
28418	CG6643	CG6643
28419	CG6643	CG6643
28427	CG6696	CG6696
28433	CG13510	CG13510
28434	CG13510	CG13510
28437	CG33556	form3
28438	CG15019	CG15019
28450	CG11296	
28453	CG11373	CG11373
28454	CG11373	CG11373
28457	CG32758	CG32758
28458	CG12853	CG12853
28459	CG13056	CG13056
28462	CG13056	CG13056
28468	CG12487	BobA
28469	CG12487	BobA
28474	CG14036	CG14036
28475	CG14036	CG14036
28477	CG14113	CG14113
28480	CG14189	CG14189
28481	CG14189	CG14189
28484	CG14244	CG14244
28485	CG14244	CG14244
28489	CG14359	CG14359
28493	CG14378	
28495	CG14488	CG14488
28496	CG14488	CG14488
28498	CG14494	CG14494
28499	CG14494	CG14494
28504	CG14582	
28506	CG14645	CG14645
28507	CG14645	CG14645
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28513	CG14659	CG14659
28514	CG14659	CG14659
28516	CG14701	CG14701
28517	CG14701	CG14701
28518	CG33512	dpr4
28519	CG33512	dpr4
28523	CG14774	CG14774
28524	CG14775	
28528	CG14810	CG14810
28530	CG14810	CG14810
28532	CG14865	l(3)neo43
28533	CG14865	l(3)neo43
28538	CG15045	
28540	CG4013	Smr
28543	CG15127	CG15127
28544	CG15127	CG15127
28546	CG15234	CG15234
28547	CG15234	CG15234
28548	CG15283	CG15283
28550	CG15283	CG15283
28551	CG15292	CG15292
28555	CG15335	CG15335
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28557	CG15352	CG15352
28558	CG15352	CG15352
28561	CG15563	CG15563
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28566	CG32647	CG32647
28567	CG32647	CG32647
28571	CG33080	CG33080
28574	CG15785	CG15785
28575	CG15785	CG15785
28582	CG15831	
28584	CG15867	CG15867
28591	CG31316	
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28594	CG31410	CG31410
28595	CG31410	CG31410
28596	CG31468	CG31468
28597	CG31468	CG31468
28604	CG31820	CG31820
28605	CG31820	CG31820
28606	CG32368	CG32368
28611	CG7227	CG7227
28612	CG7227	CG7227
28617	CG7309	CG7309
28621	CG7556	CG7556
28622	CG7556	CG7556
28625	CG7779	Cng
28630	CG7943	CG7943
28632	CG7943	CG7943
28642	CG5111	CG5111
28643	CG5111	CG5111
28645	CG5151	CG5151
28647	CG5384	CG5384
28651	CG5690	CG5690
28652	CG5675	X11L
28653	CG5691	CG5691
28654	CG5757	CG5757
28674	CG9764	yrt
28681	CG10584	CG10584
28682	CG10584	CG10584
28690	CG5770	CG5770
28706	CG10298	CG10298
28731	CG33197	mbl
28733	CG9079	CG9079
28736	CG10794	DptB
28737	CG10794	DptB
28740	CG7076	CG7076
28741	CG7076	CG7076
28745	CG12524	CG12524
28746	CG12524	CG12524
28750	CG31369	PQBP-1
28754	CG14795	CG14795
28761	CG10576	CG10576
28762	CG11217	CanB2
28772	CG13232	BBS4
28789	CG31658	CG31658
28793	CG4279	CG4279
28795	CG8500	CG8500
28796	CG8500	CG8500
28801	CG1660	Tim9a
28802	CG2665	PebII
28804	CG2665	PebII
28805	CG1728	Tim8
28810	CG18082	
28811	CG18082	
28813	CG18367	CG18367
28814	CG18367	CG18367
28818	CG32795	CG32795
28819	CG32795	CG32795
28826	CG30055	CG30055
28827	CG30055	CG30055
28828	CG30065	CG30065
28829	CG5134	MED9
28831	CG4537	CG4537
28832	CG4537	CG4537
28848	CG8354	m6
28852	CG8788	CG8788
28857	CG8915	CG8915
28869	CG8770	Gbeta76C
28870	CG8770	Gbeta76C
28874	CG8843	sec5
28877	CG32555	RhoGAPp190
28878	CG8245	CG8245
28885	CG8273	CG8273
28887	CG8273	CG8273
28892	CG8315	CG8315
28896	CG8411	gcl
28897	CG8411	gcl
28910	CG8494	CG8494
28911	CG8508	CG8508
28913	CG8508	CG8508
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28916	CG8525	CG8525
28920	CG8548	Kap-alpha1
28921	CG8548	Kap-alpha1
28924	CG8549	CG8549
28927	CG8557	CG8557
28928	CG8557	CG8557
28930	CG8560	CG8560
28931	CG8599	Su(var)3-7
28932	CG8601	mus312
28933	CG8601	mus312
28934	CG8606	RhoGEF4
28935	CG8607	CG8607
28936	CG8611	CG8611
28943	CG8746	CG8746
28944	CG8746	CG8746
28945	CG8760	CG8760
28946	CG8760	CG8760
28947	CG8780	tey
28948	CG8780	tey
28957	CG8818	CG8818
28958	CG31953	CG31953
28959	CG31953	CG31953
28961	CG9086	CG9086
28962	CG8838	CG8838
28986	CG8907	CG8907
28990	CG8912	Psi
28994	CG8918	CG8918
28995	CG8918	CG8918
28998	CG8920	CG8920
29003	CG8962	Paf-AHalpha
29013	CG9042	Gpdh
29015	CG9042	Gpdh
29017	CG9054	Ddx1
29019	CG9054	Ddx1
29023	CG9096	CycD
29024	CG9096	CycD
29030	CG9114	CG9114
29032	CG9115	mtm
29035	CG7335	CG7335
29041	CG3258	ase
29041	CG3258	ase
29045	CG7309	CG7309
29046	CG7779	Cng
29048	CG18525	Spn5
29052	CG9147	CG9147
29054	CG9154	CG9154
29055	CG9154	CG9154
29061	CG9162	CG9162
29063	CG9162	CG9162
29064	CG9168	CG9168
29065	CG9168	CG9168
29066	CG9170	CG9170
29073	CG9201	Grip128
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29075	CG9203	CG9203
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29079	CG9205	CG9205
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29085	CG9220	CG9220
29087	CG9232	CG9232
29088	CG9232	CG9232
29092	CG9294	CG9294
29093	CG9294	CG9294
29098	CG9313	CG9313
29099	CG9313	CG9313
29100	CG9322	CG9322
29101	CG9325	hts
29102	CG9325	hts
29108	CG9347	ninaB
29110	CG9398	king-tubby
29111	CG9398	king-tubby
29116	CG9654	Rbp4
29117	CG9709	Acox57D-d
29119	CG9709	Acox57D-d
29122	CG15441	Gs1l
29123	CG15441	Gs1l
29129	CG31684	CG31684
29130	CG31684	CG31684
29135	CG13488	CG13488
29136	CG13488	CG13488
29137	CG13491	Gr58c
29139	CG13491	Gr58c
29141	CG17180	CG17180
29147	CG6980	CG6980
29148	CG6980	CG6980
29151	CG31060	Gr98c
29153	CG31999	CG31999
29160	CG15445	CG15445
29161	CG17600	CG17600
29162	CG17600	CG17600
29169	CG3337	CG3337

29170	CG3337	CG3337	29480	CG2345	Edg84A	29726	CG12560	CG12560	29942	CG9861	CG9861
29173	CG32000	CG32000	29482	CG9590	CG9590	29729	CG13134	CG13134	29945	CG15403	CG15403
29174	CG32000	CG32000	29483	CG9590	CG9590	29733	CG5029	SamDC	29946	CG31867	CG31867
29179	CG8388	CG8388	29497	CG14713	CG14713	29734	CG5029	SamDC	29950	CG6380	CG6380
29188	CG30338	CG30338	29498	CG9602	CG9602	29737	CG13141	CG13141	29951	CG6380	CG6380
29189	CG30338	CG30338	29499	CG9602	CG9602	29739	CG13141	CG13141	29953	CG13786	CG13786
29199	CG16717	CG16717	29501	CG17801	CG17801	29745	CG30121	CG30121	29954	CG13400	D12
29200	CG7669	CG7669	29502	CG17801	CG17801	29746	CG30121	CG30121	29954	CG13400	D12
29201	CG7669	CG7669	29509	CG3739	CG3739	29752	CG5174	CG5174	29955	CG13400	D12
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29219	CG5016	Mst57Db	29537	CG31141	CG31141	29765	CG9406	CG9406	29971	CG2093	CG2093
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29227	CG17595		29566	CG33691	CG33691	29774	CG8811	muskelin	29982	CG10246	Cyp6a9
29228	CG17595		29566	CG33691	CG33691	29776	CG8962	Paf-AHalpha	29984	CG30081	CG30081
29231	CR31656	snRNA:U1:21D	29567	CG15343	CG15343	29783	CG32283	dro3	29985	CG30081	CG30081
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29240	CR31696	pncr003:2L	29570	CG1387	CG1387	29786	CG9368	CG9368	30001	CG4357	Ncc69
29244	CR31850	snRNA:U2:34ABa	29571	CG1387	CG1387	29790	CG10861	Atg12	30003	CG3223	CG3223
29245	CG15126	CG15126	29574	CG31131	CG31131	29791	CG10861	Atg12	30006	CG17826	CG17826
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29281	CG32671	CG32671	29604	CG32597	l(1)G0469	29819	CG12667	CG12667	30043	CG11801	CG11801
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29311	CG9879	CG9879	29622	CG2096	flw	29836	CG9030	CG9030	30057	CG13012	CG13012
29312	CG9882	Art7	29623	CG33175	spri	29837	CG9030	CG9030	30060	CG11566	CG11566
29313	CG9882	Art7	29624	CG33175	spri	29842	CG15030	CG15030	30061	CG17474	
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29321	CG9886	CG9886	29635	CG32654	CG32654	29846	CG12274	CG12274	30075	CG9163	mmd
29322	CG9914	CG9914	29639	CG7135	CG7135	29847	CG12873	CG12873	30076	CG9163	mmd
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29354	CG3181	Ts	29664	CG1690	CG1690	29871	CG32626	CG32626	30096	CG30396	Gr58a
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29368	CG15625	CG15625	29667	CG13353	CG13353	29875	CG11072	CG11072	30104	CG9811	Rgk1
29374	CG9537	DLP	29668	CG13353	CG13353	29879	CG12688	CG12688	30105	CG9819	CanA-14F
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29378	CG10631	CG10631	29670	CG17389	CG17389	29886	CG18824		30117	CG6104	m2
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29430	CG9948	CG9948	29701	CG11933		29909	CG8581	fra	30142	CG6276	CG6276
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29439	CG32103	CG32103	29707	CG15233	CG15233	29915	CG3216	CG3216	30149	CG6311	CG6311
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29452	CG4784	CG4784	29712	CG15155	CG15155	29921	CG15911	CG15911	30156	CG14342	CG14342
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30174	CR31972	CR31972	30470	CG3736	okr	30773	CG9334	Spn3	30988	CG1409	CG1409
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30219	CG18031	CG18031	30519	CG6634	mid	30811	CG31528	CG31528	31022	CG6113	CG6113
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30255	CG13404	CG13404	30578	CG6794	Dif	30843	CG2206	l(1)G0193	31040	CG11784	CG11784
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30296	CG31157	CG31157	30610	CG30078		30859	CG2979	Yp2	31060	CG7658	CG7658
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30329	CG12832	Tsp42Eq	30666	CG12566		30894	CG32513	bves	31089	CG14598	CG14598
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30343	CG15919	CG15919	30679	CG1945	faf	30904	CG8196	Ance-4	31102	CG15371	Gr8a
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30367	CG8012	CG8012	30703	CG2808	CG2808	30931	CG15009	ImpL2	31120	CG12065	CG12065
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30391	CG7620	l(3)87Df	30716	CG33128	CG33128	30939	CG13722	CG13722	31124	CG14258	CG14258
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30408	CG12543	CG12543	30726	CG17234	CG17234	30948	CG3672	CG3672	31133	CG7673	Edg78E
30410	CG12543	CG12543	30727	CG17234	CG17234	30949	CG3672	CG3672	31137	CG16914	Lcp9
30419	CG9034	CG9034	30736	CG6447	CG6447	30952	CG3552	CG3552	31138	CG16914	Lcp9
30425	CG15222		30737	CG10639	CG10639	30953	CG3552	CG3552	31141	CG31941	Obp22a
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30429	CG15814	CG15814	30742	CG6055	CG6055	30957	CG13041	CG13041	31145	CG17974	CG17974
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30455	CG3743	MTF-1	30761	CG15483	CG15483	30967	CG13837	CG13837	31160	CG3201	Mlc-c
30456	CG3871	Six4	30763	CG15483	CG15483	30968	CG13837	CG13837	31162	CG6204	CG6204
30457	CG3871	Six4	30765	CG7953	CG7953	30971	CG16705	CG16705	31164	CG13787	Gr28a
30461	CG6570	lbl	30766	CG18477	CG18477	30973	CG18030	Jon99Fi	31165	CG13787	Gr28a
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30468	CG2932	Bteb2	30769	CG17571	CG17571	30977	CG14780	CG14780	31173	CG10091	GstD9
30469	CG9609	CG9609	30770	CG17571	CG17571	30985	CG3024	torp4a	31174	CG10103	CG10103

31175	CG10113	wa-cup	31460	CG11227	CG11227	31749	CG12363	Dlc90F	31983	CG12585	CG12585
31176	CG10113	wa-cup	31463	CG11238	l(3)04053	31753	CG12721	CG12721	32004	CG12662	CG12662
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31192	CG10160	ImpL3	31483	CG11284	CG11284	31773	CG13164	SIP2	32010	CG12769	CG12769
31193	CG10164	CG10164	31487	CG11308	sa	31774	CG13164	SIP2	32018	CG12795	CG12795
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31202	CG10203	xl6	31493	CG32812	CG32812	31782	CG10890	mus201	32024	CG12802	CG12802
31205	CG10208	CG10208	31494	CG11414	CG11414	31786	CG13551	CG13551	32025	CG12812	Fancl
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31364	CG10837		31658	CG12147	CG12147	31913	CG14400	CG14400	32146	CG13139	CG13139
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31379	CG10916	CG10916	31674	CG12173	CG12173	31924	CG12378	CG12378	32172	CG13319	CG13319
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31441	CG11183	Dcp1	31724	CG12289	CG12289	31968	CG12564	CG12564	32202	CG13502	CG13502
31445	CG11184	Upf3	31725	CG12289	CG12289	31969	CG12564	CG12564	32203	CG13502	CG13502
31447	CG11191	CG11191	31730	CG1233	CG1233	31972	CG1257	alpha-Est3	32205	CG13526	CG13526
31450	CG11192	CG11192	31731	CG1233	CG1233	31974	CG1257	alpha-Est3	32206	CG13526	CG13526
31458	CG11219	PIP82	31734	CG12342	CG12342	31975	CG12577		32207	CG13540	CG13540
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32210	CG13549	yip3	32437	CG30271	CG30271	32707	CG16739	CG16739	32969	CG17623	CG17623
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32235	CG13602	CG13602	32466	CG18518	CG18518	32730	CG16789	CG16789	32991	CG17726	CG17726
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32240	CG13604	CG13604	32470	CG18600	CG18600	32740	CG32776	CG32776	32997	CG17745	CG17745
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32244	CG13615	CG13615	32474	CG1902	CG1902	32742	CG16833	CG16833	33001	CG32985	CG32985
32247	CG13617	CG13617	32475	CG1902	CG1902	32746	CG16834	lectin-33A	33006	CG1783	Slip1
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32257	CG6407	Wnt5	32503	CG12175	tth	32759	CG16879	CG16879	33029	CG17960	
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32304	CG14680	Cyp12e1	32545	CG32779	CG32779	32801	CG16989	CG16989	33074	CG13650	CG13650
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32339	CG14982	CG14982	32598	CG33955	eys	32839	CG17050	CG17050	33110	CG5977	spas
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32341	CG14983	CG14983	32601	CG1539	tmod	32841	CG17064	mars	33115	CG11501	CG11501
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32370	CG31641	stai	32624	CG15576	CG15576	32875	CG17302	CG17302	33155	CG7228	pes
32374	CG15120	CG15120	32625	CG15576	CG15576	32876	CG17302	CG17302	33156	CG8668	CG8668
32376	CG15120	CG15120	32630	CG15599	CG15599	32887	CG17349	CG17349	33157	CG7851	Scgalpha
32382	CG32699	CG32699	32631	CG15599	CG15599	32889	CG1736	Prosalpha3T	33158	CG7851	Scgalpha
32387	CG15819	CG15819	32632	CG15605	CG15605	32891	CG17367	Lnk	33163	CG7778	CG7778
32389	CG15881	CG15881	32633	CG15605	CG15605	32892	CG17367	Lnk	33168	CG17906	CG17906
32390	CG15881	CG15881	32635	CG1561	CG1561	32901	CG17387	CG17387	33169	CG17906	CG17906
32391	CG1598	CG1598	32641	CG15766	CG15766	32902	CG17387	CG17387	33173	CG3763	Fbp2
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32393	CG16741	CG16741	32650	CG15835	CG15835	32921	CG14968	CG14968	33177	CG7294	CG7294
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32402	CG17380	CG17380	32658	CG1602	CG1602	32925	CG17390	CG17390	33184	CG16852	CG16852
32403	CG6982	CG6982	32659	CG1602	CG1602	32927	CG17416		33185	CG4482	mol
32404	CG17765	CG17765	32662	CG1609	Gcn2	32928	CG17416		33186	CG4482	mol
32405	CG17765	CG17765	32664	CG1609	Gcn2	32929	CG1743	Gs2	33194	CG10146	AttA
32407	CG2614	CG2614	32665	CG1623	CG1623	32930	CG1747	Sk1	33195	CG10146	AttA
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33230	CG8027	CG8027	33483	CG2127	CG2127	33754	CG31064	CG31064	33944	CG31520	
33232	CG12386	etaTry	33486	CG2174	Myo10A	33756	CG31064	CG31064	33948	CG31524	CG31524
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33246	CG7744	CG7744	33529	CG2336	CG2336	33773	CG31133	CG31133	33975	CG31617	His1:CG31617
33247	CG7744	CG7744	33530	CG2336	CG2336	33774	CG31133	CG31133	33976	CG31624	CG31624
33248	CG4050	CG4050	33532	CG2528	CG2528	33775	CG5501	Myo95E	33981	CG31638	CG31638
33252	CG4402	lox2	33533	CG2528	CG2528	33776	CG5501	Myo95E	33993	CG31652	
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33257	CG5398	CG5398	33541	CG2652	CG2652	33782	CG31176	CG31176	34004	CG31817	CG31817
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33261	CG2233	CG2233	33549	CG2681	CG2681	33787	CG31211	CG31211	34019	CG31907	CG31907
33262	CG5687	CG5687	33550	CG2694	CG2694	33794	CG31263	CG31263	34021	CG3191	CG3191
33264	CG2103	pgant6	33551	CG2694	CG2694	33797	CG3127	Pgk	34032	CG32026	CG32026
33272	CG32263	CG32263	33556	CG2699	PI3K21B	33798	CG3127	Pgk	34034	CG32030	CG32030
33272	CG32263	CG32263	33564	CG2709	CG2709	33801	CG31391	CG31391	34035	CG32030	CG32030
33272	CG32263	CG32263	33565	CG2709	CG2709	33802	CG5029	SamDC	34042	CG32046	CG32046
33273	CG32263	CG32263	33581	CG2887	CG2887	33803	CG5029	SamDC	34043	CG32046	CG32046
33276	CG10483	CG10483	33582	CG2887	CG2887	33806	CG13636	CG13636	34044	CG6527	CG6527
33277	CG10125	zpg	33585	CG2921	CG2921	33809	CG12853	CG12853	34045	CG6527	CG6527
33278	CG10125	zpg	33586	CG2921	CG2921	33811	CG12853	CG12853	34050	CG32064	CG32064
33284	CG17352	CG17352	33591	CG2926	CG2926	33812	CG11356	CG11356	34051	CG32064	CG32064
33286	CG6524	Cp19	33595	CG2955	CG2955	33813	CG15735	CG15735	34053	CG32085	CG32085
33293	CG13031	CG13031	33596	CG2955	CG2955	33814	CG15735	CG15735	34055	CG32088	CG32088
33297	CG31774	fred	33599	CG2984	Pp2C1	33816	CG13439	dpr	34058	CG32106	CG32106
33298	CG31774	fred	33603	CG2993	CG2993	33817	CG13439	dpr	34061	CG32106	CG32106
33301	CG13252	CG13252	33606	CG2999	unc-13	33820	CG15278	CG15278	34062	CG32110	CG32110
33305	CG32462	CG32462	33609	CG2999	unc-13	33821	CG12521	CG12521	34064	CG32110	CG32110
33309	CG9855	CG9855	33622	CG6009	P5cr	33822	CG12521	CG12521	34066	CG6544	fau
33310	CG9855	CG9855	33623	CG6009	P5cr	33824	CG11348	nAcRbeta-64B	34074	CG8044	CG8044
33313	CG12746	CG12746	33625	CG6013	CG6013	33825	CG11348	nAcRbeta-64B	34075	CG8044	CG8044
33314	CG12746	CG12746	33627	CG6018	CG6018	33826	CG3250	Os-C	34081	CG32171	Lmpt
33317	CG10047	SytIV	33629	CG6018	CG6018	33833	CG12242	GstD5	34082	CG32171	Lmpt
33318	CG1279	Rtnl2	33631	CG6034	CG6034	33835	CG7077	CG7077	34087	CG18170	CG18170
33320	CG1279	Rtnl2	33632	CG6034	CG6034	33836	CG7077	CG7077	34098	CG3960	CG3960
33323	CG31460	CG31460	33637	CG7629	AttD	33837	CG10524	Pkcdelta	34099	CG3960	CG3960
33326	CG9716	Cyp313b1	33638	CG7629	AttD	33838	CG10524	Pkcdelta	34104	CG4250	CG4250
33330	CG14731	CG14731	33645	CG7671	CG7671	33839	CG32859	eIF4E-7	34109	CG4443	crl
33331	CG12213	CG12213	33646	CG7671	CG7671	33843	CG33169	CG33169	34111	CG4443	crl
33332	CG12213	CG12213	33649	CG7686	CG7686	33846	CG16713	CG16713	34120	CG5048	CG5048
33335	CG15807	Cyp313a5	33653	CG7725	rogdi	33849	CG14482	CG14482	34121	CG5048	CG5048
33338	CG5887	desat1	33654	CG7725	rogdi	33850	CG31740	CG31740	34124	CG5203	CHIP
33346	CG14869	CG14869	33655	CG7741	CG7741	33851	CG31740	CG31740	34125	CG5203	CHIP
33347	CG14869	CG14869	33656	CG7741	CG7741	33855	CG31820	CG31820	34128	CG5205	CG5205
33352	CG10264	CG10264	33660	CG30010	CG30010	33856	CG31820	CG31820	34132	CG32600	dpr8
33353	CG6901	CG6901	33666	CG30045	CG30045	33857	CG30029	CG30029	34143	CG5792	CG5792
33354	CG6901	CG6901	33668	CG30061	CG30061	33858	CG30332	CG30332	34152	CG6187	RluA-2
33357	CG7126	CG7126	33669	CG30079		33859	CG13018	CG13018	34153	CG6187	RluA-2
33358	CG11779	CG11779	33670	CG30079		33866	CG31563	CG31563	34158	CG6272	CG6272
33360	CG11779	CG11779	33672	CG30085	CG30085	33868	CG5470	CG5470	34159	CG6340	CG6340
33362	CG16727	CG16727	33673	CG30085	CG30085	33869	CG5470	CG5470	34165	CG6359	CG6359
33363	CG16727	CG16727	33673	CG30085	CG30085	33871	CG7606		34166	CG6359	CG6359
33366	CG18558	CG18558	33677	CG33130	l(2)k07433	33872	CG7606		34167	CG6395	Csp
33368	CG18558	CG18558	33678	CG30111	CG30111	33875	CG31226	CG31226	34168	CG6395	Csp
33370	CG18563	CG18563	33688	CG3026	mus81	33876	CG31226	CG31226	34174	CG6523	CG6523
33372	CG18568	CG18568	33693	CG30274	CG30274	33879	CG9065	CG9065	34175	CG6523	CG6523
33374	CG18568	CG18568	33694	CG30274	CG30274	33880	CG31032	CG31032	34179	CG33525	CG33525
33375	CG18572	r	33696	CG30286	CG30286	33881	CG31032	CG31032	34184	CG6703	Caki
33397	CG18675	CG18675	33697	CG30286	CG30286	33884	CG14810	CG14810	34186	CG6803	Zeelin1
33398	CG18675	CG18675	33699	CG30288	CG30288	33885	CG14810	CG14810	34187	CG6803	Zeelin1
33399	CG18746	CG18746	33704	CG30325	CG30325	33888	CG32795	CG32795	34190	CG7062	Rab-RP3
33400	CG18746	CG18746	33705	CG30327	CG30327	33889	CG32795	CG32795	34196	CG7178	wupA
33403	CG18764	CG18764	33706	CG30327	CG30327	33891	CG32793	CG32793	34198	CG7220	CG7220
33407	CG1877	lin19	33713	CG30356	CG30356	33900	CG12476		34199	CG7220	CG7220
33414	CG18815	CG18815	33715	CG30362	CG30362	33901	CG4211	nonA	34208	CG7866	CG7866
33415	CG3704	CG3704	33716	CG30362	CG30362	33902	CG17594		34210	CG8023	eIF4E-3
33420	CG1898	HBS1	33716	CG30362	CG30362	33909	CG9019	dsf	34211	CG8023	eIF4E-3
33424	CG1911	CAP-D2	33724	CG30416	CG30416	33910	CG10383	CG10383	34215	CG3347	CG3347
33428	CG1946	CG1946	33725	CG30416	CG30416	33911	CG10383	CG10383	34221	CG3437	CG3437
33429	CG1946	CG1946	33726	CG30421	CG30421	33913	CG30203	CG30203	34224	CG3777	CG3777
33430	CG1951	CG1951	33727	CG30421	CG30421	33916	CG11825	CG11825	34227	CG6781	CG6781
33431	CG1951	CG1951	33729	CG30422	egg	33917	CG11825	CG11825	34228	CG4407	CG4407
33444	CG1962	CG1962	33730	CG30422	egg	33919	CG33113	Rtnl1	34229	CG4407	CG4407
33446	CG1966	Acf1	33731	CG30442		33920	CG14933	CG14933	34234	CG33694	cana
33447	CG1966	Acf1	33731	CG30442		33922	CG9266	CG9266	34235	CG5204	CG5204
33456	CG1979	CG1979	33743	CG31010	CG31010	33923	CG9441	Pu	34238	CG5475	Mpk2
33457	CG1984	djl	33745	CG31021	CG31021	33925	CG1458	CG1458	34239	CG5718	CG5718
33458	CG2051	CG2051	33746	CG31021	CG31021	33926	CG1458	CG1458	34241	CG6209	CG6209
33459	CG2051	CG2051	33749	CG31053	CG31053	33928	CG18837		34244	CG6559	CG6559
33481	CG2120	CG2120	33750	CG31053	CG31053	33929	CG18837		34245	CG6559	CG6559

34247	CG6726	CG6726	34546	CG32415	CG32415	34839	CG4415	CG4415	35082	CG31072	Lerp
34249	CG6811	RhoGAP68F	34547	CG32417	Myt1	34841	CG4415	CG4415	35084	CG31072	Lerp
34250	CG6811	RhoGAP68F	34548	CG32418	CG32418	34843	CG4428	Atg4	35086	CG6405	CG6405
34258	CG7304	CG7304	34552	CG32422	CG32422	34844	CG4438	CG4438	35087	CG6405	CG6405
34259	CG7304	CG7304	34553	CG32422	CG32422	34845	CG4438	CG4438	35096	CG6425	CG6425
34265	CG4799	Pen	34565	CG32485	CG32485	34845	CG4438	CG4438	35097	CG6425	CG6425
34266	CG4799	Pen	34567	CG32485	CG32485	34851	CG4500	CG4500	35100	CG6498	CG6498
34270	CG32152	CG32152	34573	CG3251	CG3251	34852	CG4500	CG4500	35101	CG6498	CG6498
34271	CG32152	CG32152	34581	CG3274	Bap170	34862	CG4520	CG4520	35105	CG6571	rdgC
34272	CG7930	TpnC73F	34585	CG3299	Vinc	34863	CG4520	CG4520	35109	CG6683	CG6683
34278	CG3399	capu	34586	CG3299	Vinc	34864	CG4525	CG4525	35110	CG6683	CG6683
34281	CG7289	CG7289	34588	CG3306	CG3306	34866	CG4525	CG4525	35112	CG6767	CG6767
34286	CG3525	eas	34599	CG3356	CG3356	34868	CG4546	CG4546	35118	CG6792	CG6792
34287	CG3525	eas	34601	CG3356	CG3356	34869	CG4546	CG4546	35119	CG6792	CG6792
34290	CG3730	csul	34602	CG3361	mrt	34879	CG4598	CG4598	35127	CG6865	CG6865
34291	CG3730	csul	34604	CG3397	CG3397	34880	CG4598	CG4598	35128	CG6865	CG6865
34295	CG31855	CG31855	34613	CG3415	CG3415	34881	CG4610	CG4610	35136	CG6904	CG6904
34296	CG3947	CG3947	34620	CG3454	Hdc	34882	CG4610	CG4610	35139	CG6914	CG6914
34297	CG3947	CG3947	34621	CG3454	Hdc	34884	CG33158	CG33158	35140	CG6914	CG6914
34301	CG4429	Rbp2	34628	CG3481	Adh	34885	CG33158	CG33158	35141	CG6915	CG6915
34303	CG4624	CG4624	34631	CG3491	CG3491	34888	CG4706	CG4706	35142	CG6915	CG6915
34307	CG4697	CSN1a	34636	CG3515	CG3515	34889	CG4706	CG4706	35150	CG18259	CG18259
34308	CG4697	CSN1a	34638	CG3546	CG3546	34891	CG4720	Pk92B	35152	CG18259	CG18259
34311	CG4989	CG4989	34640	CG3546	CG3546	34892	CG4720	Pk92B	35153	CG6971	CG6971
34319	CG5188	CG5188	34646	CG3565	CG3565	34895	CG4755	RhoGAP92B	35154	CG6971	CG6971
34320	CG5188	CG5188	34647	CG3565	CG3565	34896	CG4755	RhoGAP92B	35158	CG6983	CG6983
34328	CG5370	Dcp-1	34649	CG3573	CG3573	34897	CG4771	CG4771	35159	CG6983	CG6983
34330	CG5370	Dcp-1	34653	CG3579	CG3579	34898	CG4803	Takl2	35166	CG7097	CG7097
34349	CG6506	CG6506	34654	CG3579	CG3579	34899	CG4860	CG4860	35171	CG7109	mts
34351	CG6506	CG6506	34660	CG3611	CG3611	34900	CG4860	CG4860	35174	CG7112	CG7112
34354	CG6856	CG6856	34661	CG3611	CG3611	34901	CG4865	CG4865	35176	CG7139	CG7139
34367	CG7148	CG7148	34666	CG3626	CG3626	34907	CG4931	Sra-1	35177	CG7139	CG7139
34368	CG7180	CG7180	34667	CG3626	CG3626	34910	CG4947	Tgt	35180	CG7158	CG7158
34369	CG7180	CG7180	34670	CG3633	mRpS29	34913	CG4996	CG4996	35184	CG7161	Oseg1
34373	CG7184	Mkm1	34671	CG3639	CG3639	34914	CG5023	CG5023	35186	CG7161	Oseg1
34376	CG7222	CG7222	34673	CG3679	CG3679	34915	CG5026	CG5026	35194	CG7177	CG7177
34385	CG33275	CG33275	34675	CG3680	CG3680	34916	CG5026	CG5026	35204	CG7337	CG7337
34391	CG5377	CG5377	34677	CG3680	CG3680	34925	CG5071	CG5071	35205	CG7343	
34392	CG5377	CG5377	34679	CG3703	CG3703	34926	CG5075	CG5075	35206	CG7343	
34394	CG7860	CG7860	34680	CG3703	CG3703	34927	CG5075	CG5075	35222	CG7376	CG7376
34395	CG7860	CG7860	34687	CG3709	CG3709	34928	CG5089	CG5089	35226	CG7378	CG7378
34399	CG32115	CG32115	34695	CG3744	CG3744	34929	CG5089	CG5089	35227	CG7378	CG7378
34400	CG32117	CG32117	34696	CG3744	CG3744	34930	CG5103	CG5103	35229	CG7390	smp-30
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34404	CG32121	CG32121	34707	CG3764	CG3764	34935	CG5110	CG5110	35240	CG7399	Hn
34412	CG32138	CG32138	34708	CG3764	CG3764	34936	CG5118	CG5118	35242	CG7415	DppIII
34413	CG32138	CG32138	34713	CG3808	CG3808	34937	CG5118	CG5118	35243	CG7428	halo
34417	CG33991	nuf	34718	CG3823	CG3823	34938	CG5126	CG5126	35244	CG7428	halo
34418	CG32147	CG32147	34721	CG3862	CG3862	34939	CG5126	CG5126	35250	CG33275	CG33275
34419	CG32147	CG32147	34722	CG3862	CG3862	34942	CG5149	CG5149	35251	CG33275	CG33275
34422	CG32164	CG32164	34726	CG3880	CG3880	34944	CG5149	CG5149	35252	CG7524	Src64B
34423	CG32164	CG32164	34730	CG3917	Grip84	34946	CG5157	CG5157	35255	CG7550	CG7550
34429	CG33522	scaf6	34734	CG3918	CG3918	34947	CG5157	CG5157	35260	CG7558	Arp66B
34430	CG32181	CG32181	34736	CG3920	l(2)k16918	34954	CG5165	Pgm	35261	CG7563	CalpA
34432	CG32182	CG32182	34737	CG3923	Exp6	34959	CG5175	kuk	35262	CG7563	CalpA
34433	CG32182	CG32182	34738	CG3926	Spat	34961	CG5180	CG5180	35266	CG7768	CG7768
34438	CG32187	CG32187	34744	CG30280	CG30280	34962	CG5180	CG5180	35273	CG7794	CG7794
34440	CG32195	CG32195	34750	CG31950	CG31950	34972	CG5220	CG5220	35275	CG7794	CG7794
34441	CG32195	CG32195	34751	CG31950	CG31950	34976	CG5241	CG5241	35285	CG7856	CG7856
34444	CG32203	BG642378	34755	CG32016	CG32016	34977	CG5241	CG5241	35286	CG7856	CG7856
34448	CG3221	CG3221	34757	CG32118	CG32118	34983	CG5300	Klp31E	35294	CG7945	CG7945
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34464	CG32226	CG32226	34761	CG32151	CG32151	34986	CG5319	CG5319	35298	CG7946	CG7946
34466	CG32232	CG32232	34763	CG32175	CG32175	34987	CG5319	CG5319	35299	CG7946	CG7946
34468	CG32232	CG32232	34764	CG32175	CG32175	34989	CG5322	CG5322	35309	CG7991	CG7991
34471	CG32243	CG32243	34766	CG3269	Rab2	35002	CG5414	CG5414	35310	CG7991	CG7991
34472	CG32243	CG32243	34767	CG3269	Rab2	35003	CG5435	CG5435	35317	CG8001	CG8001
34473	CG32247	CG32247	34770	CG3959	pelo	35005	CG5435	CG5435	35318	CG8001	CG8001
34474	CG32247	CG32247	34771	CG3959	pelo	35010	CG5455	CG5455	35321	CG8006	CG8006
34477	CG32251	CG32251	34772	CG3973	CG3973	35011	CG5455	CG5455	35325	CG8031	CG8031
34482	CG32259	CG32259	34773	CG3980	CG3980	35019	CG5627	rab3-GEF	35326	CG8031	CG8031
34483	CG32259	CG32259	34774	CG3980	CG3980	35023	CG5648	Prosalpha6T	35330	CG8036	CG8036
34487	CG32260	CG32260	34778	CG3996	CG3996	35025	CG5650	Pp1-87B	35331	CG8042	CG8042
34488	CG32260	CG32260	34780	CG4041	CG4041	35029	CG5659	ari-1	35332	CG8042	CG8042
34494	CG3227	insv	34784	CG4045	CG4045	35030	CG5662	CG5662	35337	CG8094	Hex-C
34499	CG33123	CG33123	34785	CG4045	CG4045	35032	CG5664	CG5664	35345	CG8110	syd
34509	CG32306	CG32306	34794	CG4090	CG4090	35044	CG5793	CG5793	35346	CG8110	syd
34510	CG32307		34805	CG4116	CG4116	35050	CG6053	CG6053	35349	CG8114	pbl
34511	CG32308	CG32308	34806	CG4120	Cyp12c1	35052	CG6053	CG6053	35355	CG1009	Psa
34512	CG32308	CG32308	34810	CG4221	CG4221	35055	CG6054	Su(fu)	35358	CG15505	Obp99d
34523	CG32352	CG32352	34815	CG31010	CG31010	35056	CG6059	CG6059	35359	CG15505	Obp99d
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34533	CG3238	CG3238	34835	CG4394	Traf3	35060	CG6061	mip120	35362	CG11512	GstD4
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34538	CG32392	CG32392	34837	CG4409	CG4409	35069	CG6218	CG6218	35373	CG5945	CG5945
34544	CG33523	CG33523	34838	CG4409	CG4409	35074	CG6325	CG6325	35374	CG3713	CG3713
34545	CG32415	CG32415	34839	CG4415	CG4415	35078	CG6384	Cp190	35375	CG3713	CG3713

35377	CG8331	CG8331	35596	CG6280	CG6280	35813	CG3985	Syn	36076	CG8996	wal
35378	CG8331	CG8331	35599	CG6290	CG6290	35814	CG4186	CG4186	36079	CG9005	CG9005
35379	CG11582	CG11582	35600	CG6290	CG6290	35816	CG5097	MtnC	36084	CG9014	CG9014
35380	CG11582	CG11582	35604	CG6639	CG6639	35817	CG5097	MtnC	36085	CG32592	hiw
35386	CG7211	CG7211	35608	CG6917	Est-6	35821	CG6503	CG6503	36092	CG9200	CG9200
35387	CG7211	CG7211	35611	CG7052	TepII	35822	CG6503	CG6503	36097	CG9259	CG9259
35388	CG8498	CG8498	35613	CG14184	CG14184	35824	CG6770	CG6770	36098	CG9263	CG9263
35389	CG8498	CG8498	35614	CG14184	CG14184	35833	CR30009	CR30009	36099	CG9263	CG9263
35392	CG8628	CG8628	35615	CG31072	Lerp	35836	CR30068	CR30068	36106	CG32499	CG32499
35393	CG8628	CG8628	35616	CG14867	CG14867	35837	CR30068	CR30068	36107	CG9579	AnnX
35395	CG9284	CG9284	35618	CG14867	CG14867	35840	CG8145	CG8145	36111	CG9587	CG9587
35396	CG9284	CG9284	35620	CG14926	CG14926	35841	CG8159	CG8159	36113	CG9587	CG9587
35399	CG7869	SuUR	35622	CG15503	CheB93a	35843	CG8161	Rlb1	36120	CG9611	CG9611
35400	CG7869	SuUR	35624	CG17150	CG17150	35848	CG8179	CG8179	36121	CG9619	CG9619
35402	CG32148	CG32148	35625	CG17150	CG17150	35850	CG8179	CG8179	36123	CG9641	CG9641
35403	CG32148	CG32148	35628	CG17650	CG17650	35851	CG8181	CG8181	36124	CG9641	CG9641
35408	CG8202	CG8202	35629	CG17650	CG17650	35852	CG8181	CG8181	36135	CG9698	CG9698
35410	CG8202	CG8202	35632	CG17698	CG17698	35855	CG8203	Cdk5	36139	CG9730	mRpL21
35411	CG8253	tun	35634	CG17698	CG17698	35856	CG8203	Cdk5	36143	CG17667	CG17667
35412	CG8253	tun	35638	CG18428	CG18428	35857	CG8209	CG8209	36147	CG18405	Sema-1a
35419	CG8400	CG8400	35639	CG18428	CG18428	35858	CG8209	CG8209	36148	CG18405	Sema-1a
35420	CG8400	CG8400	35645	CG30196	CG30196	35860	CG8223	CG8223	36152	CG33515	CG33515
35425	CG8436	CG8436	35646	CG30196	CG30196	35871	CG32555	RhoGAPp190	36153	CG18679	CG18679
35426	CG8436	CG8436	35650	CG14302	CG14302	35872	CG8284	UbcD4	36156	CG18679	CG18679
35431	CG33171	CG33171	35651	CG14302	CG14302	35873	CG8284	UbcD4	36158	CG15658	CG15658
35432	CG8660	Fibp	35653	CG4783	CG4783	35877	CG8318	Nf1	36159	CG15658	CG15658
35433	CG8660	Fibp	35659	CG12242	GstD5	35883	CG8327	SpdS	36160	CG6669	klg
35439	CG8846	Thor	35660	CG12242	GstD5	35890	CG8340	128up	36162	CG6669	klg
35440	CG8846	Thor	35662	CG12379	CG12379	35896	CG8353	CG8353	36164	CG3389	Cad88C
35445	CG8884	Sap47	35664	CG12418	CG12418	35899	CG8359	CG8359	36166	CG7527	CadN2
35457	CG9875	CG9875	35665	CG12418	CG12418	35901	CG8362	nmdyn-D7	36168	CG7527	CadN2
35460	CG9875	CG9875	35666	CG12508	CG12508	35903	CG8362	nmdyn-D7	36171	CG9951	CG9951
35461	CG9894	CG9894	35667	CG12508	CG12508	35907	CG8374	dmt	36172	CG9951	CG9951
35464	CG9894	CG9894	35678	CG32573	CG32573	35911	CG8379	CG8379	36175	CG9961	CG9961
35467	CG9922	CG9922	35679	CG32573	CG32573	35912	CG8379	CG8379	36176	CG9961	CG9961
35473	CG10376	CG10376	35680	CG13631	CG13631	35915	CG8383	Pnn	36177	CG9962	CG9962
35475	CG10376	CG10376	35683	CG13631	CG13631	35916	CG8383	Pnn	36178	CG9962	CG9962
35477	CG10629	CG10629	35684	CG14192		35919	CG8386	CG8386	36181	CG9967	CG9967
35478	CG10629	CG10629	35688	CG14330	CG14330	35927	CG8398	CG8398	36182	CG9967	CG9967
35481	CG10635	CG10635	35689	CG15323	CG15323	35928	CG8398	CG8398	36185	CG9968	Anxb11
35482	CG10637	Nak	35690	CG15323	CG15323	35929	CG8418	Ric	36193	CG9977	CG9977
35483	CG10653	hk	35692	CG15577	CG15577	35930	CG8418	Ric	36194	CG9977	CG9977
35485	CG10653	hk	35693	CG15577	CG15577	35933	CG8427	SmD3	36200	CG9994	Rab9
35487	CG10703	CG10703	35694	CG15600		35937	CG8430	Got1	36201	CG9994	Rab9
35488	CG1074	CG1074	35695	CG15600		35940	CG8485	CG8485	36204	CG9995	htt
35497	CG11205	phr	35696	CG31397	CG31397	35942	CG8490	CG8490	36205	CG9995	htt
35499	CG11205	phr	35699	CG9896	CG9896	35945	CG8490	CG8490	36207	CG9996	CG9996
35501	CG33291	CG33291	35700	CG9896	CG9896	35948	CG8532	lqf	36208	CG9996	CG9996
35506	CG11596	CG11596	35702	CG33209	comm3	35956	CG8552	CG8552	36212	CR31930	Gr22d
35507	CG11798	chn	35703	CG33209	comm3	35957	CG8552	CG8552	36214	CR31930	Gr22d
35508	CG11798	chn	35704	CG15211	CG15211	35965	CG8571	smid	36215	CG15218	CycK
35511	CG11964	CG11964	35708	CG8511	CG8511	35968	CG8578	CG8578	36218	CG9562	
35512	CG11964	CG11964	35709	CG16799	CG16799	35969	CG8578	CG8578	36224	CG16857	CG16857
35514	CG12092	NPC1b	35710	CG16799	CG16799	35970	CG8582	Sh3beta	36226	CG16857	CG16857
35518	CG12179	CG12179	35712	CG14507	CG14507	35971	CG8582	Sh3beta	36233	CG17800	Dscam
35519	CG12179	CG12179	35713	CG14507	CG14507	35974	CG8590	Klp3A	36250	CG17610	grk
35520	CG12338	CG12338	35715	CG10134	beat-Va	35975	CG8590	Klp3A	36251	CG17610	grk
35521	CG12338	CG12338	35721	CG12423		35978	CG8592	stil	36252	CG12283	kek1
35525	CG12478	bru-3	35722	CG12423		35979	CG8592	stil	36260	CG16876	CG16876
35526	CG12478	bru-3	35724	CG31206	CG31206	35993	CG8641	CG8641	36264	CG18146	CG18146
35537	CG12977	CG12977	35725	CG31206	CG31206	35994	CG8641	CG8641	36269	CG10443	Lar
35541	CG13634	CG13634	35727	CG31746	CG31746	35998	CG8642	CG8642	36280	CG1389	tor
35542	CG13634	CG13634	35733	CG6762	CG6762	35999	CG8665	CG8665	36281	CG1389	tor
35546	CG14529	CG14529	35734	CG6762	CG6762	36000	CG8665	CG8665	36282	CG4007	Nrk
35548	CG14529	CG14529	35736	CG7443	CG7443	36001	CG8678	CG8678	36284	CG4007	Nrk
35549	CG15005	CG15005	35739	CG7443	CG7443	36002	CG8678	CG8678	36286	CG5912	arr
35550	CG15005	CG15005	35740	CG7646	CG7646	36003	CG8707	CG8707	36287	CG32387	CG32387
35555	CG1656	lectin-46Ca	35742	CG7646	CG7646	36004	CG8707	CG8707	36290	CG7565	CG7565
35558	CG33126	NLaz	35744	CG9067	CG9067	36006	CG8709	CG8709	36291	CG7565	CG7565
35559	CG33126	NLaz	35750	CG32577	disco-r	36007	CG8709	CG8709	36293	CG4666	CG4666
35562	CG17250	Or42a	35751	CG32577	disco-r	36008	CG8710	CG8710	36297	CG31884	Trx-2
35563	CG17250	Or42a	35761	CG13557	CG13557	36009	CG8710	CG8710	36298	CG31884	Trx-2
35566	CG17781	CG17781	35762	CG13557	CG13557	36022	CG8768	CG8768	36304	CG3624	CG3624
35567	CG17781	CG17781	35763	CG32268	dro6	36023	CG8771	CG8771	36306	CG3408	CG3408
35571	CG18345	trpl	35764	CG32268	dro6	36028	CG8786	CG8786	36307	CG5528	Toll-9
35572	CG3038	CG3038	35767	CG10529	Lcp65Ae	36029	CG8786	CG8786	36308	CG5528	Toll-9
35573	CG3038	CG3038	35775	CG18186	CG18186	36036	CG8798	CG8798	36314	CG17839	CG17839
35574	CG3652	CG3652	35778	CG18336	CG18336	36038	CG8813	CG8813	36315	CG17839	CG17839
35575	CG3652	CG3652	35779	CG18496	CG18496	36039	CG8813	CG8813	36323	CG31183	CG31183
35576	CG3868	CG3868	35780	CG18496	CG18496	36043	CG8816	CG8816	36326	CG7050	Nrx-1
35577	CG3868	CG3868	35787	CG30096	CG30096	36045	CG8816	CG8816	36328	CG7050	Nrx-1
35584	CG4178	Lsp1beta	35788	CG30096	CG30096	36053	CG8874	Fps85D	36330	CG14900	Cad89D
35589	CG4596	CG4596	35795	CG30192	CG30192	36054	CG8874	Fps85D	36331	CG14900	Cad89D
35590	CG4596	CG4596	35796	CG30192	CG30192	36055	CG8891	CG8891	36336	CG10421	
35592	CG5805	CG5805	35798	CG30321	CG30321	36056	CG8891	CG8891	36337	CG10421	
35593	CG5805	CG5805	35807	CG32226	CG32226	36069	CG8950	CG8950	36340	CG7896	CG7896
35595	CG6280	CG6280	35812	CG3985	Syn	36075	CG8996	wal	36345	CG1372	yl

36346	CG1372	yl	36621	CG13048	CG13048	37228	CG1309	CG1309	37458	CG15598	Osi17
36348	CG11059	cals	36623	CG17286	CG17286	37231	CG32246	CG32246	37461	CG8925	CG8925
36349	CG11059	cals	36624	CG17286	CG17286	37233	CG7514	CG7514	37468	CG31360	CG31360
36364	CG6808	CG6808	36625	CG32434	siz	37234	CG7514	CG7514	37469	CG31360	CG31360
36371	CR31927	snRNA:U3:22A	36627	CG32434	siz	37241	CG10063	CG10063	37472	CG16718	CG16718
36372	CR31927	snRNA:U3:22A	36637	CG17916	Or92a	37242	CG10063	CG10063	37473	CG12839	Tsp42En
36374	CG31873	CG31873	36640	CG18743	Hsp70Ab	37247	CG13678	CG13678	37474	CG12839	Tsp42En
36375	CG31873	CG31873	36641	CG18743	Hsp70Ab	37248	CG13678	CG13678	37475	CG15065	CG15065
36377	CG9028	CG9028	36644	CG9930	E5	37249	CG5751	TrpA1	37477	CG15065	CG15065
36381	CG31227		36647	CG14851	CG14851	37252	CG4999	Tsp66E	37480	CG13721	CG13721
36384	CG31922	CG31922	36648	CG14851	CG14851	37253	CG4999	Tsp66E	37481	CG13721	CG13721
36386	CG31922	CG31922	36650	CG7785	CG7785	37255	CG5008	GNBP3	37484	CG18778	CG18778
36388	CG12384	CG12384	36654	CG6454	CG6454	37256	CG5008	GNBP3	37490	CG4842	CG4842
36390	CG12654	CG12654	36655	CG6454	CG6454	37263	CG7888	CG7888	37492	CG4842	CG4842
36394	CG17884		36659	CG7577	ppk20	37264	CG7888	CG7888	37498	CG31337	CG31337
36395	CG17884		36660	CG18287	ppk19	37267	CG6279	CG6279	37499	CG31337	CG31337
36396	CR31854	snRNA:U2:34ABb	36665	CG2841	ptr	37268	CG6279	CG6279	37503	CG10311	CG10311
36397	CR31854	snRNA:U2:34ABb	36711	CG13216	CG13216	37271	CG6938	CG6938	37504	CG14312	CG14312
36400	CG18064	Met75Cb	36712	CG18176	defl	37272	CG6938	CG6938	37506	CG4468	CG4468
36404	CG15466		37004	CG4920	ea	37275	CG32154	CG32154	37507	CG17776	CG17776
36412	CG1971	CG1971	37024	CG15755		37280	CG3624	CG3624	37508	CG17776	CG17776
36414	CG1971	CG1971	37025	CG15755		37282	CG8779	nrm	37511	CG4615	CG4615
36416	CG31178	CG31178	37031	CG15058	CG15058	37283	CG10275	CG10275	37512	CG4615	CG4615
36417	CG31178	CG31178	37032	CG15058	CG15058	37286	CG13299	CG13299	37516	CG1756	CG1756
36421	CG31029	CG31029	37041	CG32548	CG32548	37291	CG11059	cals	37520	CG31811	cenG1A
36422	CG13197	CG13197	37042	CG12528		37292	CG11059	cals	37521	CG31811	cenG1A
36423	CG13197	CG13197	37050	CG10987	CG10987	37296	CG14585	CG14585	37524	CG3727	dock
36430	CG4372	CG4372	37051	CG10987	CG10987	37297	CG14585	CG14585	37525	CG3727	dock
36431	CG4372	CG4372	37063	CG10002	fkh	37300	CG5506	CG5506	37530	CG2174	Myo10A
36440	CG5021	CG5021	37074	CG12008	kst	37302	CG7402	CG7402	37535	CG5695	jar
36442	CG5115	CG5115	37075	CG12008	kst	37305	CG3961	CG3961	37558	CG7938	Sry-beta
36443	CG5115	CG5115	37083	CG7113	scu	37306	CG3961	CG3961	37563	CG10390	mia
36444	CG17865		37085	CG7113	scu	37308	CG9655	nes	37564	CG10390	mia
36445	CG17865		37086	CG11502	svp	37309	CG9655	nes	37583	CG5170	Dp1
36448	CG12631		37087	CG11502	svp	37310	CG32214	CG32214	37590	CG10018	Snm1
36451	CG12571		37091	CG2956	twi	37311	CG32214	CG32214	37591	CG10018	Snm1
36452	CG9796	CG9796	37092	CG2956	twi	37328	CG31522	CG31522	37592	CG7602	DNApol-iota
36455	CG9839	CG9839	37096	CG1454	wdn	37329	CG31522	CG31522	37594	CG7602	DNApol-iota
36456	CG9868	Prosbeta5R1	37104	CG30438	CG30438	37333	CG2902	Nmdar1	37600	CG6133	CG6133
36458	CG9902	CG9902	37106	CG30438	CG30438	37334	CG2902	Nmdar1	37601	CG6133	CG6133
36459	CG9913	Kif19A	37108	CG7188	CG7188	37336	CG1021	CG1021	37606	CG4078	CG4078
36461	CG9913	Kif19A	37110	CG18801	Ku80	37338	CG1021	CG1021	37611	CG7760	cato
36463	CG9933	A16	37111	CG18801	Ku80	37340	CG31496	CG31496	37612	CG7760	cato
36464	CG9934	CG9934	37119	CG31750	Gr36d	37341	CG31496	CG31496	37617	CG16801	CG16801
36465	CG17078	CG17078	37120	CG31750	Gr36d	37344	CG8112	CG8112	37623	CG17118	CG17118
36466	CG11112	CG11112	37123	CG10234	Hs2st	37345	CG8112	CG8112	37624	CG17118	CG17118
36469	CG31924	CG31924	37128	CG8666	Tsp39D	37347	CG10090	Tim17a1	37625	CG31367	CG31367
36470	CG31924	CG31924	37131	CG31693	CG31693	37348	CG12286	kar	37634	CG5187	Doc2
36473	CG9962	CG9962	37132	CG31693	CG31693	37349	CG8141	CG8141	37637	CG3668	fd59A
36482	CG14023	CG14023	37135	CG3635	CG3635	37350	CG8141	CG8141	37640	CG8522	HLH106
36488	CG31883	CG31883	37141	CG3409	CG3409	37352	CG12784	CG12784	37641	CG8522	HLH106
36489	CG31883	CG31883	37144	CG9432	l(2)01289	37353	CG12784	CG12784	37657	CG2939	slp2
36501	CG10491	vn	37146	CG9432	l(2)01289	37356	CG4225	CG4225	37658	CG2939	slp2
36504	CG3136	CG3136	37147	CG9438	Cyp6a2	37357	CG6898	Zip3	37660	CG8819	achi
36509	CG8738	CG8738	37148	CG9438	Cyp6a2	37358	CG6898	Zip3	37670	CG7154	CG7154
36512	CG13209	sha	37149	CG12847	Tsp42Ec	37361	CG6725	Sulf1	37671	CG7229	CG7229
36520	CG30034	CG30034	37150	CG12847	Tsp42Ec	37362	CG6725	Sulf1	37672	CG10262	CG10262
36528	CG17509	CG17509	37152	CG14766	CG14766	37365	CG17562	CG17562	37673	CG17894	cnc
36531	CG8767	mos	37153	CG14766	CG14766	37367	CG31247	tinc	37685	CG8365	E(spl)
36533	CG8767	mos	37160	CG8230	CG8230	37370	CG16953	CG16953	37686	CG8365	E(spl)
36534	CG17533	GstE8	37162	CG8083	CG8083	37371	CG16953	CG16953	37690	CG6096	HLHm5
36535	CG17533	GstE8	37165	CG12344	CG12344	37374	CG31343	CG31343	37691	CG6096	HLHm5
36538	CG17669	CG17669	37166	CG13215	CG13215	37380	CG3252	CG3252	37705	CG4478	Mst35Bb
36539	CG17669	CG17669	37167	CG13215	CG13215	37389	CG4346	rad	37710	CG9045	Myb
36542	CG17739	CG17739	37172	CG16827	alphaPS4	37392	CG4332	CG4332	37711	CG9045	Myb
36543	CG13157	CG13157	37173	CG12960	CG12960	37393	CG4332	CG4332	37718	CG7803	z
36544	CG13157	CG13157	37174	CG8182	GalNAc-T1	37400	CG11816	CG11816	37722	CG5855	cni
36546	CG8520	CG8520	37175	CG8182	GalNAc-T1	37403	CG9514	CG9514	37723	CG5855	cni
36547	CG13331	CG13331	37176	CG8291	CG8291	37404	CG33968	CG33968	37726	CG11140	Aldh-III
36548	CG13331	CG13331	37177	CG8291	CG8291	37405	CG9224	sog	37728	CG1418	CG1418
36557	CG6701	CG6701	37179	CG9000	CG9000	37407	CG9224	sog	37730	CG12902	CG12902
36565	CG3767	Jhl-26	37181	CG5226	CG5226	37408	CG17336	Lcch3	37732	CG12902	CG12902
36566	CG3767	Jhl-26	37183	CG5226	CG5226	37409	CG17336	Lcch3	37736	CG16963	Cry
36572	CG7066	CG7066	37184	CG30119	CG30119	37412	CG9723	CG9723	37738	CG1795	Ogg1
36578	CG13667	CG13667	37189	CG15111	CG15111	37416	CG6867	CG6867	37739	CG1795	Ogg1
36579	CG13667	CG13667	37193	CG11018	CG11018	37419	CG6867	CG6867	37752	CG11849	dan
36585	CG13587	CG13587	37199	CG11175	CG11175	37420	CG14208	Tyler	37753	CG11849	dan
36591	CG32305	CG32305	37204	CG17999	CG17999	37421	CG8502	CG8502	37763	CG13094	Dh31
36592	CG32305	CG32305	37206	CG15651	CG15651	37422	CG9243	CG9243	37764	CG13094	Dh31
36595	CG7452	Syx17	37207	CG4302	CG4302	37423	CG9243	CG9243	37769	CG17888	Pdp1
36596	CG7452	Syx17	37208	CG3413	wdp	37428	CG13016	CG13016	37775	CG9614	pip
36598	CG32237	CG32237	37209	CG3413	wdp	37429	CG13016	CG13016	37776	CG9614	pip
36599	CG32237	CG32237	37211	CG4324	CG4324	37434	CG2679	gol	37787	CG12250	CG12250
36609	CG12526	Or67a	37212	CG4324	CG4324	37435	CG2679	gol	37793	CG9027	CG9027
36612	CG12526	Or67a	37220	CG9153	CG9153	37436	CG9181	Ptp61F	37797	CG18777	CG18777
36613	CG5185	Tom	37221	CG9153	CG9153	37437	CG9181	Ptp61F	37800	CG7608	Eig71Ec
36620	CG13048	CG13048	37227	CG1309	CG1309	37440	CG32136	Tsp68C	37801	CG7608	Eig71Ec

37803	CG9565	Nep3	38057	CG10013	CG10013	38303	CG17920		38595	CG11892	CG11892
37804	CG9565	Nep3	38063	CG31268	CG31268	38306	CG14946	CG14946	38596	CG11896	CG11896
37805	CG2958	lectin-24Db	38064	CG4979	sxe2	38307	CG14946	CG14946	38597	CG11896	CG11896
37807	CG31217	CG31217	38066	CG31257	CG31257	38310	CG14753		38600	CG11926	CG11926
37808	CG31217	CG31217	38067	CG31257	CG31257	38311	CG14753		38601	CG11926	CG11926
37815	CG10692	Dnmt2	38072	CG15757	CG15757	38314	CG10014	CG10014	38604	CG33095	CG33095
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37823	CG10388	Ubx	38076	CG13687	Ptth	38322	CG10064	CG10064	38613	CG11967	CG11967
37825	CG10388	Ubx	38077	CG1916	Wnt2	38323	CG10064	CG10064	38616	CG11980	CG11980
37827	CG11297	CG11297	38079	CG1916	Wnt2	38326	CG10082	CG10082	38617	CG11980	CG11980
37835	CG18132	CG18132	38082	CG12918	CG12918	38327	CG10082	CG10082	38620	CG11982	CG11982
37836	CG3410	lectin-24A	38084	CG8862	CG8862	38330	CG10083	CG10083	38623	CG11982	CG11982
37837	CG3410	lectin-24A	38085	CG8862	CG8862	38331	CG10083	CG10083	38626	CG12110	Pld
37838	CG12205	Bsg25A	38091	CG5785	thr	38338	CG10109	L	38627	CG12155	CG12155
37839	CG12205	Bsg25A	38103	CG1652	lectin-46Cb	38339	CG10109	L	38628	CG12155	CG12155
37846	CG7653	CG7653	38104	CG1652	lectin-46Cb	38342	CG10137	CG10137	38630	CG12169	CG12169
37847	CG7653	CG7653	38110	CG4679	CG4679	38343	CG10137	CG10137	38631	CG12169	CG12169
37850	CG5821	qkr58E-2	38114	CG17047	CG17047	38347	CG10151	CG10151	38647	CG1227	CG1227
37851	CG5821	qkr58E-2	38115	CG17047	CG17047	38348	CG10177	CG10177	38648	CG1227	CG1227
37854	CG30166	CG30166	38118	CG12964	CG12964	38353	CG10191	CG10191	38651	CG1228	Ptpmeg
37855	CG30166	CG30166	38123	CG30090	CG30090	38356	CG10210	tst	38652	CG1228	Ptpmeg
37863	CG32423	alan-shepard	38124	CG30090	CG30090	38358	CG10217	CG10217	38654	CG12304	CG12304
37868	CG10725	CG10725	38129	CG6821	Lsp1gamma	38362	CG10225	CG10225	38668	CG13398	CG13398
37869	CG10725	CG10725	38130	CG13307	CG13307	38363	CG10225	CG10225	38672	CG12744	CG12744
37870	CG32137	CG32137	38133	CG6071	CG6071	38368	CG10229	katanin-60	38673	CG12744	CG12744
37872	CG32137	CG32137	38134	CG13491	Gr58c	38369	CG10229	katanin-60	38674	CG12992	CG12992
37874	CG5921	CG5921	38135	CG13519	Obp58d	38372	CG10317	CG10317	38676	CG13097	CG13097
37875	CG5921	CG5921	38139	CG9116	LysP	38373	CG10317	CG10317	38677	CG13477	CG13477
37880	CG5295	CG5295	38148	CG3006	Fmo-1	38377	CG10327	TBPH	38679	CG17270	CG17270
37882	CG4144	GNBP2	38151	CG30418	nord	38379	CG10327	TBPH	38680	CG1507	Pur-alpha
37883	CG4144	GNBP2	38152	CG30418	nord	38381	CG10343	CG10343	38682	CG12390	dare
37888	CG3359	mfas	38154	CG3589	CG3589	38384	CG10435	CG10435	38683	CG12390	dare
37889	CG3359	mfas	38155	CG3589	CG3589	38396	CG10646	CG10646	38689	CG12539	CG12539
37892	CG31055	CG31055	38158	CG13931	CG13931	38397	CG10646	CG10646	38690	CG33485	dpr9
37893	CG31055	CG31055	38159	CG13931	CG13931	38403	CG10747	CG10747	38691	CG33485	dpr9
37897	CG9215	CG9215	38160	CG14958	CG14958	38407	CG10809	CG10809	38697	CG12674	CG12674
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37902	CG3587	CG3587	38170	CG13285	CG13285	38411	CG10897	tou	38699	CG12682	CG12682
37903	CG3587	CG3587	38171	CG10592	CG10592	38415	CG10904	CG10904	38712	CG12854	CG12854
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37911	CG11095	CG11095	38178	CG6457	yip7	38426	CG10949	CG10949	38737	CG33135	KCNQ
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37917	CG10701	Moe	38181	CG6462	CG6462	38442	CG11063	CG11063	38741	CG12928	CG12928
37921	CG14191	CG14191	38184	CG6483	Jon65Aiii	38444	CG33174	CG33174	38742	CG12928	CG12928
37927	CG32529	CG32529	38185	CG12755	l(3)mbn	38446	CG33174	CG33174	38748	CG12932	CG12932
37929	CG14619	CG14619	38186	CG12755	l(3)mbn	38454	CG11231	CG11231	38750	CG12936	CG12936
37933	CG31629	Pvf3	38189	CG8647	CG8647	38455	CG11231	CG11231	38751	CG12936	CG12936
37935	CG31629	Pvf3	38195	CG4447	CG4447	38459	CG11236	CG11236	38754	CG12938	CG12938
37937	CG8867	Jon25Bi	38197	CG4447	CG4447	38460	CG11236	CG11236	38755	CG12938	CG12938
37941	CG11034	CG11034	38202	CG14120	CG14120	38462	CG11237	Oseg6	38763	CG12985	CG12985
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37978	CG10956	CG10956	38231	CG7058	CG7058	38488	CG11342	CG11342	38794	CG14668	CG14668
37981	CG15918	CG15918	38235	CG33336	p53	38491	CG11360	CG11360	38795	CG14668	CG14668
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38007	CG9511	CG9511	38258	CG9884	oaf	38504	CG11427	rb	38814	CG14717	CG14717
38010	CG4698	Wnt4	38262	CG31708	CG31708	38508	CG32627	CG32627	38817	CG14747	CG14747
38011	CG4698	Wnt4	38265	CG10205	CG10205	38512	CG11451	CG11451	38818	CG14747	CG14747
38015	CG13098	mRpL51	38266	CG10205	CG10205	38520	CG11508	CG11508	38831	CG14821	CG14821
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38027	CG17472	CG17472	38281	CG15362	CG15362	38544	CG11626	CG11626	38839	CG14882	CG14882
38028	CG17472	CG17472	38282	CG15362	CG15362	38549	CG11652	CG11652	38846	CG5968	CG5968
38031	CG12351	deltaTry	38285	CG1385	Def	38560	CG33719	Pif1A	38847	CG5968	CG5968
38032	CG12351	deltaTry	38286	CG1385	Def	38564	CG11807	CG11807	38848	CG30152	CG30152
38033	CG12351	deltaTry	38287	CG18649	CG18649	38566	CG11807	CG11807	38852	CG30267	CG30267
38034	CG5390	CG5390	38288	CG18649	CG18649	38570	CG11836	CG11836	38857	CG31109	CG31109
38035	CG6766	CG6766	38291	CG14809	CG14809	38571	CG11836	CG11836	38858	CG31109	CG31109
38044	CG11466	Cyp9f2	38294	CG14757	CG14757	38578	CG11847	CG11847	38863	CG31349	pyd
38045	CG11466	Cyp9f2	38297	CG17613		38583	CG11856	Nup358	38867	CG32039	CG32039
38055	CG10005	CG10005	38298	CG17613		38588	CG11882	CG11882	38868	CG15725	CG15725
38056	CG10005	CG10005	38302	CG17920		38594	CG11892	CG11892	38869	CG17803	CG17803

38870	CG17803	CG17803
38875	CG15196	CG15196
38876	CG15196	CG15196
38881	CG15258	CG15258
38884	CG33175	spri
38886	CG15313	CG15313
38887	CG15332	CG15332
38888	CG15394	CG15394
38891	CG15394	CG15394
38892	CG15573	Femcoat
38893	CG15573	Femcoat
38896	CG15729	CG15729
38898	CG15879	CG15879
38899	CG15879	CG15879
38901	CG15882	CG15882
38902	CG15882	CG15882
38908	CG1591	REG
38909	CG15910	
38910	CG15910	
38915	CG1622	CG1622
38917	CG1647	CG1647
38920	CG10183	CG10183
38925	CG17437	wds
38930	CG18069	CaMKII
38936	CG31140	CG31140
38938	CG31278	CG31278
38946	CG31898	CG31898
38947	CG31898	CG31898
38951	CG4111	RpL35
38953	CG7470	CG7470
38968	CG3217	CkIIalpha-i3
38969	CG32438	Smc5
38970	CG32438	Smc5
38975	CG3919	CG3919
38977	CG31287	CG31287
38978	CG31287	CG31287
38992	CG5013	CG5013
38993	CG5013	CG5013
38995	CG5146	CG5146
39019	CG7588	Eig71Ej
39020	CG7588	Eig71Ej
39025	CG18321	miple2
39026	CG18321	miple2
39032	CG4650	CG4650
39044	CG31788	CG31788
39046	CG31841	CG31841
39048	CG31841	CG31841
39053	CG10574	l-2
39054	CG10574	l-2
39070	CG9434	Fst
39071	CG9847	Fkbp13
39072	CG9929	Art9
39073	CG9929	Art9
39077	CG8809	Camta
39079	CG31718	CG31718
39080	CG31718	CG31718
39087	CG5632	thoc6
39088	CG17361	CG17361
39089	CG17361	CG17361
39090	CG31289	Dph5
39094	CG1448	inx3
39104	CG17294	CG17294
39105	CG17294	CG17294
39107	CG17137	Porin2
39108	CG17137	Porin2
39115	CG15256	CG15256
39119	CG30375	CG30375
39120	CG30375	CG30375
39121	CG8719	Odc2
39122	CG8719	Odc2
39129	CG16986	CG16986
39130	CG12545	
39131	CG12545	
39136	CG18577	CG18577
39137	CG5452	dnk
39138	CG5452	dnk
39139	CG31438	CheB93b
39140	CG2471	CG2471
39141	CG2471	CG2471
39143	CG5011	CG5011
39144	CG5011	CG5011
39146	CG15868	
39147	CG15868	
39148	CG1513	CG1513
39149	CG31713	Apf
39150	CG31713	Apf
39151	CG7473	
39152	CG7473	
39157	CG11611	Tim13
39158	CG33227	CG33227
39159	CG30219	CG30219
39160	CG30219	CG30219
39161	CG9236	CG9236
39165	CG32235	CG32235
39168	CG15213	CG15213
39170	CG10677	CG10677
39171	CG10677	CG10677
39175	CG18243	Ptp52F
39176	CG8595	Toll-7
39178	CG6383	crb
39180	CG32636	CG32636
39181	CG32636	CG32636
39183	CG9111	LysC
39184	CG9111	LysC
39187	CG11642	TRAM
39189	CG11642	TRAM
39191	CG31784	CG31784
39193	CG8169	Prms2
39194	CG31406	CG31406
39195	CG31406	CG31406
39196	CG4940	CG4940
39198	CG31555	CG31555
39199	CG31555	CG31555
39201	CG32600	dpr8
39203	CG32600	dpr8
39208	CG9581	CG9581
39215	CG33087	CG33087
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39217	CG11760	CG11760
39221	CG2872	AlstR
39222	CG2872	AlstR
39224	CG18812	CG18812
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39228	CG5039	CG5039
39229	CG5039	CG5039
39236	CG15649	CG15649
39237	CG32664	Gr10a
39239	CG32693	Gr9a
39240	CG32693	Gr9a
39244	CG15733	CG15733
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39247	CG15734	CG15734
39251	CG1402	CG1402
39252	CG1402	CG1402
39259	CG11019	CG11019
39260	CG11019	CG11019
39261	CG32233	CG32233
39264	CG31171	CG31171
39268	CG3346	pon
39269	CG3346	pon
39276	CG6599	CG6599
39278	CG17212	rho-6
39280	CG17212	rho-6
39282	CG33989	pHCl
39285	CG15331	
39287	CG1871	e(r)
39289	CG13932	CG13932
39290	CG13932	CG13932
39291	CG32283	dro3
39293	CG32283	dro3
39295	CG15213	CG15213
39296	CG14462	CG14462
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39302	CG33214	CG33214
39303	CG33214	CG33214
39305	CG12587	CG12587
39306	CG33512	dpr4
39307	CG14394	CG14394
39308	CG14394	CG14394
39312	CG6784	CG6784
39313	CG6784	CG6784
39315	CG12874	CG12874
39316	CG12874	CG12874
39319	CG5572	CG5572
39320	CG5572	CG5572
39323	CG15527	RpS28a
39327	CG12572	
39328	CG12572	
39332	CG17409	
39333	CG17409	
39336	CG10789	ng4
39337	CG10789	ng4
39352	CG11642	TRAM
39353	CG11642	TRAM
39356	CG18824	
39357	CG18824	
39359	CG33080	CG33080
39362	CG32736	CG32736
39367	CG32207	CG32207
39368	CG32207	CG32207
39374	CG31563	CG31563
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39382	CG14888	CG14888
39384	CG33547	Rim
39385	CG33547	Rim
39387	CG12269	CG12269
39388	CG12269	CG12269
39391	CG31353	CG31353
39393	CG31353	CG31353
39397	CG31072	Lerp
39399	CG32793	CG32793
39401	CG32793	CG32793
39402	CG5310	nmdyn-D6
39404	CG18184	
39405	CG18184	
39407	CG7481	RhoGAP18B
39408	CG7481	RhoGAP18B
39409	CG32975	nAcRalpha-34E
39414	CG6642	a10
39418	CG5029	SamDC
39419	CG5029	SamDC
39421	CG11348	nAcRbeta-64B
39422	CG31230	CG31230
39423	CG31230	CG31230
39426	CG5011	CG5011
39427	CG15361	Nplp4
39428	CG15361	Nplp4
39431	CG2822	Shaw
39438	CG12905	Obp46a
39439	CG12905	Obp46a
39442	CG13121	CG13121
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39446	CG13988	CG13988
39447	CG13988	CG13988
39451	CG31704	CG31704
39454	CG30121	CG30121
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39458	CG15126	CG15126
39459	CG15126	CG15126
39462	CG15096	CG15096
39463	CG15096	CG15096
39467	CG17952	LBR
39468	CG17952	LBR
39469	CG3380	Oatp58Dc
39470	CG3380	Oatp58Dc
39473	CG30193	CG30193
39474	CG30193	CG30193
39477	CG15860	pain
39478	CG15860	pain
39479	CG14971	CG14971
39481	CG12006	CG12006
39482	CG32380	SMSr
39483	CG32380	SMSr
39487	CG4477	CG4477
39492	CG8177	CG8177
39496	CG32079	CG32079
39501	CG14131	CG14131
39504	CG4962	CG4962
39505	CG2221	l(1)G0289
39506	CG2221	l(1)G0289
39515	CG6669	klg
39518	CG1712	Gr43a
39519	CG1712	Gr43a
39521	CG33264	Or69a
39522	CG12905	Obp46a
39523	CG10436	Pbprp1
39525	CG4715	Iris
39526	CG4715	Iris
39528	CG1484	fliI
39529	CG17743	pho
39535	CG2105	Corin
39536	CG2105	Corin
39539	CG8799	l(2)03659
39540	CG8799	l(2)03659
39541	CG13210	CG13210
39543	CG4663	CG4663
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39545	CG12866	CG12866
39548	CG12866	CG12866
39549	CG30471	CG30471
39550	CG8299	CG8299
39551	CG8299	CG8299
39553	CG7539	Edg91
39554	CG7539	Edg91
39560	CG5558	CG5558
39561	CG4583	ire-1
39562	CG4583	ire-1
39563	CG5621	CG5621
39570	CG18531	Gr2a
39571	CG15310	
39576	CG15732	CG15732
39577	CG15732	CG15732
39578	CG15728	CG15728
39580	CG8527	ppk23
39581	CG8527	ppk23
39584	CG13365	CG13365
39586	CG5532	CG5532
39592	CG8567	Deaf1
39594	CG8567	Deaf1
39598	CG11211	CG11211
39600	CG32212	CG32212
39601	CG32212	CG32212
39622	CG6517	Cp18
39662	CG10348	CG10348
39663	CG10348	CG10348
39667	CG10424	CG10424
39678	CG15891	CG15891
39681	CG31686	CG31686
39682	CG1262	Acp62F
39684	CG31918	CG31918
39685	CG9048	Vm26Aa
39687	CG30163	CG30163
39688	CG12118	CG12118
39690	CG1483	Map205
39691	CG15049	
39692	CG16741	CG16741
39694	CG14258	CG14258
39695	CG1311	CG1311
39696	CG10898	CG10898
39697	CG12927	CG12927
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39701	CG14710	CG14710
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39703	CG6295	CG6295
39704	CG10732	CG10732
39706	CG10560	CG10560
39707	CG10501	amd
39708	CG10501	amd
39714	CG10632	CG10632
39721	CG11504	CG11504
39724	CG11820	CG11820
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39726	CG14545	CG14545
39727	CG14545	CG14545
39733	CG13897	CG13897
39734	CG14853	CG14853
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39739	CG12419	CG12419
39747	CG12620	CG12620
39749	CG12872	CG12872
39750	CG13117	CG13117
39751	CG13117	CG13117
39758	CG4074	CG4074
39759	CG5905	Nep1
39760	CG6481	CG6481
39762	CG9640	CG9640
39763	CG31414	CG31414
39766	CG10986	g
39769	CG13176	CG13176
39772	CG13142	CG13142
39773	CG10890	mus201
39774	CG13955	CG13955
39777	CG13454	CG13454
39778	CG6045	CG6045
39780	CG13148	CG13148
39781	CG13148	CG13148
39782	CG13151	CG13151
39783	CG13151	CG13151
39785	CG13163	CG13163
39791	CG1319	CG1319
39796	CG13293	CG13293
39797	CG13293	CG13293
39803	CG13681	CG13681
39812	CG13792	CG13792
39813	CG13792	CG13792
39814	CG13870	CG13870
39815	CG13870	CG13870
39817	CG13876	CG13876

39818	CG13876	CG13876	40042	CG16716	CG16716	40328	CG33224	CG33224	40601	CG5629	CG5629
39820	CG13881	CG13881	40044	CG16890	CG16890	40329	CG33202	dpr11	40603	CG5658	Klp98A
39821	CG14041	SP555	40052	CG17256	Nek2	40330	CG8829	CG8829	40605	CG5658	Klp98A
39823	CG14073	CG14073	40053	CG17256	Nek2	40331	CG1728	Tim8	40607	CG5796	Ppox
39828	CG14177	CG14177	40068	CG17344	CG17344	40332	CG1728	Tim8	40608	CG5818	mRpL4
39829	CG14193	CG14193	40069	CG17344	CG17344	40333	CG5471	CG5471	40612	CG10335	Pbgs
39833	CG14252	CG14252	40070	CG17360	CG17360	40337	CG5915	Rab7	40615	CG12111	CG12111
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39836	CG14355	CG14355	40076	CG17419		40341	CG6179	CG6179	40618	CG2652	CG2652
39838	CG14526	CG14526	40078	CG17492	mib2	40342	CG6179	CG6179	40623	CG30334	CG30334
39840	CG14688	CG14688	40079	CG17492	mib2	40348	CG6208	CG6208	40624	CG30460	CG30460
39841	CG14714	CG14714	40080	CG17493	CG17493	40350	CG6220	CG6220	40626	CG14190	CG14190
39844	CG14895	Pak3	40081	CG17493	CG17493	40355	CG6255	CG6255	40628	CG1471	CDase
39848	CG14905	CG14905	40082	CG17643		40358	CG6287	CG6287	40629	CG5327	CG5327
39851	CG14907	CG14907	40083	CG17643		40359	CG6287	CG6287	40630	CG32592	hiw
39854	CG14907	CG14907	40086	CG17653		40361	CG6333	CG6333	40634	CG7352	CG7352
39855	CG14962	CG14962	40087	CG17653		40368	CG6358	Xpac	40636	CG7352	CG7352
39856	CG14962	CG14962	40091	CG17658	CG17658	40373	CG6362	CG6362	40638	CG7462	Ank2
39858	CG33514	CG33514	40093	CG17666	CG17666	40379	CG6418	CG6418	40639	CG7492	CG7492
39859	CG33514	CG33514	40094	CG17666	CG17666	40388	CG6554	Art1	40641	CG33206	l(1)G0168
39862	CG15059	CG15059	40098	CG17732	CG17732	40394	CG6800	CG6800	40642	CG7963	CG7963
39863	CG15059	CG15059	40100	CG17732	CG17732	40397	CG6800	CG6800	40644	CG7975	Grx-1
39864	CG15072	CG15072	40101	CG17746	CG17746	40403	CG6864	Mst89B	40645	CG7975	Grx-1
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39867	CG15109	CG15109	40109	CG17917	CG17917	40416	CG7054	CG7054	40649	CG5928	CG5928
39869	CG15109	CG15109	40110	CG17917	CG17917	40422	CG7145	CG7145	40653	CG15712	CG15712
39872	CG15515	CG15515	40113	CG17925		40432	CG33214	CG33214	40654	CG15712	CG15712
39873	CG15515	CG15515	40116	CG1799	ras	40434	CG33214	CG33214	40655	CG12817	CG12817
39881	CG16926	CG16926	40121	CG18091	CG18091	40436	CG7212	cdm	40656	CG12817	CG12817
39882	CG16926	CG16926	40128	CG18139	CG18139	40440	CG7274	CG7274	40657	CG14903	CG14903
39883	CG17002	CG17002	40130	CG18139	CG18139	40443	CG3430	CG3430	40658	CG14903	CG14903
39885	CG17828	mod(r)	40132	CG1815	CG1815	40444	CG3430	CG3430	40665	CG9705	CG9705
39887	CG17828	mod(r)	40134	CG32659	Ten-a	40447	CG3492	CG3492	40669	CG10728	vls
39889	CG17834	CG17834	40141	CG18233	CG18233	40448	CG3492	CG3492	40673	CG11376	CG11376
39890	CG17834	CG17834	40143	CG33715	Msp-300	40450	CG3493	CG3493	40674	CG11416	ori
39893	CG1890	CG1890	40145	CG33715	Msp-300	40455	CG3520	CG3520	40676	CG13377	CG13377
39894	CG1890	CG1890	40148	CG18472	CG18472	40461	CG3610	CG3610	40677	CG13377	CG13377
39905	CG14438	CG14438	40150	CG11138	CG11138	40462	CG3610	CG3610	40680	CG17162	
39906	CG33545	nab	40151	CG11138	CG11138	40464	CG3715	Shc	40681	CG17162	
39908	CG15705	CG15705	40161	CG1961	CG1961	40468	CG32648	Pde9	40682	CG17395	
39909	CG9047	CG9047	40162	CG1961	CG1961	40469	CG3769	CG3769	40686	CG17691	
39910	CG9047	CG9047	40165	CG2014	CG2014	40470	CG3769	CG3769	40690	CG2038	CSN7
39917	CG7707	CG7707	40170	CG2256	CG2256	40479	CG3893	CG3893	40694	CG9074	Mst57Da
39926	CG31040	Cog7	40173	CG2574	CG2574	40480	CG3893	CG3893	40698	CG12899	CG12899
39929	CG15395	CG15395	40174	CG2718	Gs1	40484	CG3915	Drl-2	40704	CG8317	CG8317
39930	CG15395	CG15395	40175	CG30410	CG30410	40486	CG3925	CG3925	40705	CG8378	CG8378
39934	CG16719	CG16719	40176	CG30410	CG30410	40487	CG3925	CG3925	40706	CG8378	CG8378
39935	CG16719	CG16719	40184	CG30447	CG30447	40488	CG30016	CG30016	40716	CG32742	l(1)G0148
39941	CG17412		40186	CG30447	CG30447	40490	CG30016	CG30016	40719	CG8726	CG8726
39942	CG17412		40196	CG3107	CG3107	40498	CG4061	CG4061	40720	CG8783	CG8783
39945	CG1803	regucalcin	40197	CG3107	CG3107	40501	CG4294	CG4294	40721	CG8783	CG8783
39946	CG1803	regucalcin	40210	CG4285	CG4285	40502	CG4294	CG4294	40726	CG8939	CG8939
39948	CG7763	CG7763	40212	CG31161	CG31161	40505	CG4349	Fer3HCH	40728	CG9010	CG9010
39949	CG7763	CG7763	40213	CG31212	CG31212	40509	CG4371	GstD7	40730	CG9010	CG9010
39953	CG30115	CG30115	40214	CG31212	CG31212	40512	CG4420	CG4420	40744	CG9642	CG9642
39956	CG30169	CG30169	40222	CG31274	CG31274	40515	CG4421	GstD8	40747	CG8942	CG8942
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39960	CG31737	CG31737	40226	CG31288	CG31288	40519	CG4435	FucTB	40751	CG18249	CG18249
39961	CG31737	CG31737	40227	CG31288	CG31288	40520	CG4435	FucTB	40752	CG18249	CG18249
39964	CG15177	CG15177	40231	CG31301	CG31301	40523	CG4444	px	40756	CG9940	CG9940
39968	CG15178	CG15178	40232	CG31301	CG31301	40524	CG4444	px	40757	CG9940	CG9940
39969	CG15260	CG15260	40238	CG31319	RhoGAP88C	40525	CG4452	CG4452	40762	CG31753	ham
39973	CG15340		40243	CG31330	CG31330	40526	CG4452	CG4452	40763	CG31753	ham
39975	CG15351	Cp7Fc	40245	CG31330	CG31330	40528	CG4461	CG4461	40773	CG7360	Nup58
39981	CG15425	CG15425	40248	CG31357	CG31357	40529	CG4461	CG4461	40781	CG15831	
39982	CG15435	CG15435	40254	CG31388	CG31388	40531	CG4533	l(2)efl	40785	CG8966	CG8966
39983	CG15435	CG15435	40255	CG31388	CG31388	40532	CG4533	l(2)efl	40786	CG17668	
39986	CG15436	CG15436	40258	CG31395	CG31395	40534	CG4551	sml35A	40787	CG12569	
39987	CG15436	CG15436	40260	CG31404	CG31404	40535	CG4551	sml35A	40788	CG12569	
39991	CG15477	CG15477	40262	CG31404	CG31404	40552	CG4681	CG4681	40793	CG17444	
39997	CG15544	CG15544	40265	CG31407	CG31407	40554	CG4696	Mp20	40794	CG17444	
40000	CG15602	CG15602	40268	CG31467	CG31467	40555	CG4696	Mp20	40797	CG15285	
40001	CG15602	CG15602	40269	CG31484	CG31484	40556	CG4705	CG4705	40799	CG15285	
40007	CG32529	CG32529	40272	CG31488	CG31488	40557	CG4752	CG4752	40803	CG8776	CG8776
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40011	CG15631	CG15631	40276	CG31531	CG31531	40560	CG4848	CG4848	40805	CG7350	Eig71Ed
40012	CG15631	CG15631	40278	CG31551	CG31551	40565	CG4957	CG4957	40806	CG1076	CG1076
40013	CG15666	CG15666	40290	CG31786	CG31786	40568	CG4983	CG4983	40807	CG1076	CG1076
40014	CG15666	CG15666	40297	CG31875	CG31875	40569	CG4983	CG4983	40810	CG32584	CG32584
40018	CG33094	Synd	40298	CG31875	CG31875	40570	CG5044	CG5044	40810	CG32584	CG32584
40021	CG33017	CG33017	40301	CG31897	CG31897	40582	CG5164	GstE1	40811	CG32584	CG32584
40022	CG33017	CG33017	40302	CG31912	CG31912	40588	CG5355	CG5355	40819	CG14937	CG14937
40031	CG15877	CG15877	40316	CG4688	CG4688	40590	CG5442	SC35	40821	CG33543	CG33543
40032	CG15893	CG15893	40317	CG4688	CG4688	40591	CG5478	CG5478	40822	CG33955	eys
40033	CG15893	CG15893	40324	CG3342	CG3342	40592	CG5478	CG5478	40824	CG16779	CG16779
40037	CG1594	hop	40325	CG3342	CG3342	40595	CG5522	CG5522	40825	CG18810	CG18810
40040	CG16716	CG16716	40327	CG32228	CG32228	40596	CG5522	CG5522	40826	CG18810	CG18810

40828	CG14744	CG14744	41097	CG11265	CG11265	41336	CG5812	GCR(ich)	41605	CG15817	CG15817
40829	CG14744	CG14744	41101	CG10537	Rdl	41337	CG5612	CG5612	41611	CG15878	CG15878
40833	CG11007	CG11007	41103	CG10537	Rdl	41338	CG5612	CG5612	41612	CG15878	CG15878
40834	CG13431	Mgat1	41104	CG8009	CG8009	41344	CG11213	Cp38	41613	CG15883	Obp18a
40838	CG7955	CG7955	41107	CG32141	CG32141	41345	CG11213	Cp38	41614	CG15883	Obp18a
40839	CG7955	CG7955	41108	CG32141	CG32141	41347	CG9726	PH4alphaMP	41617	CG15897	CG15897
40842	CG18177	CG18177	41109	CG9628	CG9628	41348	CG9726	PH4alphaMP	41618	CG15897	CG15897
40844	CG18177	CG18177	41111	CG9628	CG9628	41351	CG31015	PH4alphaPV	41623	CG1624	dpld
40846	CG6149	CG6149	41120	CG15458	CG15458	41352	CG31015	PH4alphaPV	41624	CG1631	CG1631
40847	CG6149	CG6149	41121	CG15458	CG15458	41358	CG14770	CG14770	41635	CG17219	CG17219
40848	CG32111	CG32111	41124	CG15520	capa	41361	CG14789	O-fut2	41637	CG17219	CG17219
40849	CG32111	CG32111	41127	CG8993	CG8993	41362	CG14789	O-fut2	41639	CG17443	
40853	CG15396	Gr23a	41130	CG7807	AP-2	41365	CG14422	CG14422	41640	CG17443	
40858	CG9227	tectonic	41131	CG7807	AP-2	41368	CG10986	g	41643	CG8360	CG8360
40860	CG3841	CG3841	41142	CG32425	CG32425	41369	CG10986	g	41644	CG4947	Tgt
40861	CG3841	CG3841	41143	CG32425	CG32425	41373	CG32017	CG32017	41646	CG5075	CG5075
40867	CG5067	cic	41146	CG11671	CG11671	41374	CG32017	CG32017	41647	CG5103	CG5103
40868	CG5067	cic	41147	CG12901	CG12901	41377	CG12467	CG12467	41648	CG6971	CG6971
40871	CG3340	Kr	41148	CG12901	CG12901	41378	CG12467	CG12467	41649	CG8097	CG8097
40873	CG3340	Kr	41154	CG1315	CG1315	41389	CG12723	CG12723	41650	CG9538	Ag5r
40875	CG4314	st	41155	CG1315	CG1315	41393	CG12907	CG12907	41658	CG17645	Pglym87
40876	CG4314	st	41160	CG14162	dpr6	41394	CG12907	CG12907	41659	CG17829	CG17829
40879	CG7702	CG7702	41161	CG14162	dpr6	41408	CG7616	CG7616	41660	CG17904	CG17904
40880	CG5634	dsd	41162	CG10433	CG10433	41409	CG7616	CG7616	41669	CG18410	CG18410
40881	CG2005		41163	CG16869	Ance-2	41412	CG12464	CG12464	41671	CG18449	CG18449
40883	CG31453	CG31453	41164	CG14332	CG14332	41417	CG31736	CG31736	41672	CG33249	CG33249
40885	CG15153	CG15153	41165	CG14332	CG14332	41418	CG31736	CG31736	41673	CG18471	gprs
40886	CG3947	CG3947	41170	CG10194	CG10194	41420	CG14689	CG14689	41674	CG18596	CG18596
40887	CG30105	CG30105	41171	CG10194	CG10194	41421	CG14689	CG14689	41675	CG18596	CG18596
40893	CG18095	CG18095	41175	CG17224	CG17224	41432	CG30088	CG30088	41677	CG18672	CG18672
40894	CG18095	CG18095	41177	CG17224	CG17224	41433	CG11388	CG11388	41684	CG1908	CG1908
40895	CG1762	betaInt-nu	41179	CG15414	CG15414	41434	CG31010	CG31010	41685	CG1908	CG1908
40898	CG7449	hbs	41180	CG15414	CG15414	41439	CG5422	Rox8	41690	CG2219	CG2219
40899	CG14082	CG14082	41183	CG11347	CG11347	41442	CG30026	CG30026	41691	CG2219	CG2219
40900	CG11367	CG11367	41187	CG5191	CG5191	41451	CG10459	CG10459	41696	CG2720	Hop
40902	CG6574	CG6574	41188	CG5191	CG5191	41455	CG10474	CG10474	41702	CG2854	CG2854
40903	CG6574	CG6574	41192	CG12233	l(1)G0156	41460	CG10950	CG10950	41703	CG2854	CG2854
40906	CG14855	CG14855	41193	CG8982	Acp26Aa	41463	CG10973	CG10973	41715	CG7650	CG7650
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40912	CG17930	CG17930	41202	CG13114	CG13114	41477	CG11538	CG11538	41735	CG30388	Magi
40915	CG31498	CG31498	41204	CG13114	CG13114	41479	CG1212	p130CAS	41736	CG30388	Magi
40916	CG31498	CG31498	41207	CG33121	CG33121	41481	CG12128	CG12128	41739	CG30390	CG30390
40920	CG6184	CG6184	41214	CG4953	CG4953	41482	CG12192	Klp59D	41740	CG30390	CG30390
40923	CG6184	CG6184	41215	CG4953	CG4953	41484	CG12192	Klp59D	41743	CG30436	CG30436
40926	CG31213	CG31213	41219	CG8827	Ance	41486	CG12360	CG12360	41744	CG30436	CG30436
40927	CG31213	CG31213	41222	CG13965	CG13965	41487	CG12360	CG12360	41745	CG10491	vn
40929	CG18039	KaiRIA	41225	CG9248	CG9248	41490	CG12917	CG12917	41752	CG31630	CG31630
40933	CG6475	CG6475	41226	CG9248	CG9248	41492	CG12948	CG12948	41753	CG31630	CG31630
40935	CG5315	CG5315	41227	CG13222	CG13222	41493	CG12948	CG12948	41757	CG31719	RluA-1
40939	CG17111	CG17111	41231	CG4439	CG4439	41494	CG1303	agt	41758	CG31719	RluA-1
40940	CG31004	CG31004	41232	CG4439	CG4439	41497	CG13074	CG13074	41765	CG31874	CG31874
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40949	CG1444	CG1444	41238	CG18211	betaTry	41504	CG13614	CG13614	41774	CG3199	CG3199
40953	CG1615	Ork1	41239	CG18211	betaTry	41505	CG13614	CG13614	41780	CG3208	RhoGAP5A
40955	CG1806	CG1806	41241	CG12351	deltaTry	41507	CG13777	milt	41784	CG32092	CG32092
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40961	CG12716	CG12716	41245	CG17097	CG17097	41511	CG13895	CG13895	41786	CG10638	CG10638
40971	CG17681	CG17681	41248	CG14567	CG14567	41512	CG13895	CG13895	41787	CG10638	CG10638
40972	CG17681	CG17681	41251	CG18747	CG18747	41513	CG13913	CG13913	41797	CG5446	CG5446
40973	CG9453	Spn4	41252	CG18747	CG18747	41531	CG14507	CG14507	41803	CG6429	CG6429
40980	CG8234	CG8234	41259	CG4662	CG4662	41536	CG14590	CG14590	41804	CG6429	CG6429
40982	CG31789	CG31789	41260	CG4662	CG4662	41543	CG14754	CG14754	41806	CG6673	CG6673
40985	CG3822	CG3822	41269	CG14728	sad	41544	CG14754	CG14754	41807	CG6673	CG6673
40986	CG9570	CG9570	41270	CG14728	sad	41548	CG1416	CG1416	41813	CG7311	CG7311
40987	CG2893		41273	CG14259	CG14259	41549	CG14813	deltaCOP	41814	CG7311	CG7311
40988	CG2893		41274	CG14259	CG14259	41554	CG14825	BBS1	41816	CG8066	CG8066
40989	CG13747	CG13747	41276	CG3534	CG3534	41555	CG14825	BBS1	41817	CG8066	CG8066
40992	CG17764	CG17764	41277	CG3534	CG3534	41567	CG31762	aret	41822	CG5871	CG5871
40993	CG18506	CG18506	41278	CG5246	CG5246	41568	CG31762	aret	41823	CG5871	CG5871
40995	CG2929	Pi4KIIalpha	41281	CG30488	CG30488	41570	CG15914	CG15914	41824	CG33156	CG33156
40996	CG32203	BG642378	41289	CG4386	CG4386	41571	CG15914	CG15914	41825	CG33156	CG33156
40999	CG5962	Arr2	41291	CG4386	CG4386	41574	CG1894	CG1894	41828	CG32706	CG32706
41004	CG8369	CG8369	41295	CG9972	CG9972	41575	CG1894	CG1894	41829	CG32706	CG32706
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41010	CG5930	TfIIA-L	41310	CG1136	CG1136	41581	CG15171	robl37BC	41834	CG32381	unc-13-4A
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41017	CG9272	CG9272	41316	CG10475	Jon65Ai	41583	CG15561	CG15561	41847	CG6144	CG6144
41018	CG9272	CG9272	41320	CG5700	prc	41585	CG15543	CG15543	41862	CG32149	RhoGAP71E
41047	CG5737	dmrt93B	41321	CG5700	prc	41586	CG32584	CG32584	41865	CG32210	CG32210
41048	CG5737	dmrt93B	41326	CG32198	CG32198	41586	CG32584	CG32584	41866	CG32210	CG32210
41069	CG11450	net	41327	CG32198	CG32198	41587	CG32584	CG32584	41868	CG32236	CG32236
41090	CG3726	CG3726	41328	CG13380	CG13380	41587	CG32584	CG32584	41871	CG32236	CG32236
41096	CG11265	CG11265	41335	CG5812	GCR(ich)	41604	CG15817	CG15817	41872	CG32281	CG32281

41873	CG32281	CG32281	42159	CG8840	CG8840	42463	CG7466	CG7466	42677	CG3655	CG3655
41879	CG32341	CG32341	42162	CG8905	Sod2	42467	CG9664	CG9664	42678	CG3655	CG3655
41881	CG32351	CG32351	42165	CG8948	Graf	42468	CG18788	CG18788	42685	CG15743	CG15743
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41885	CG32376	CG32376	42168	CG8958	CG8958	42472	CG13279	Cyt-b5-r	42689	CG9903	CG9903
41896	CG32396	CG32396	42169	CG8958	CG8958	42474	CG13279	Cyt-b5-r	42690	CG9903	CG9903
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41900	CG32444	CG32444	42188	CG9031	Rsu-1	42478	CG8403	SP2353	42693	CG14517	beta4GalNAcTB
41901	CG3245	PpN58A	42189	CG9031	Rsu-1	42480	CG12026	CG12026	42694	CG14517	beta4GalNAcTB
41905	CG32484	Sk2	42192	CG9044	CG9044	42482	CG12026	CG12026	42696	CG3446	CG3446
41913	CG3289	Ptpa	42193	CG9044	CG9044	42485	CG3297	mnd	42699	CG3106	CG3106
41914	CG3330	CG3330	42199	CG9072	CG9072	42486	CG7463	yellow-k	42701	CG3106	CG3106
41915	CG3330	CG3330	42209	CG9214	Tob	42488	CG7463	yellow-k	42703	CG30268	CG30268
41917	CG3339	CG3339	42215	CG9541	CG9541	42489	CG32159	CG32159	42705	CG30268	CG30268
41918	CG3339	CG3339	42216	CG9541	CG9541	42490	CG32159	CG32159	42710	CG14156	Or67c
41919	CG3345	CG3345	42218	CG9984	TH1	42492	CG15581	Or83c	42711	CG14156	Or67c
41920	CG3353	CG3353	42226	CG16974	CG16974	42493	CG15581	Or83c	42712	CG7077	CG7077
41921	CG3353	CG3353	42229	CG5803	Fas3	42496	CG7000	CG7000	42713	CG7077	CG7077
41925	CG32632	Tango13	42236	CG17716	fas	42497	CG7000	CG7000	42724	CG13758	CG13758
41926	CG16880	l(2)34Fa	42237	CG17716	fas	42502	CG10816	Dro	42725	CG15582	Obp83cd
41927	CG12338	CG12338	42240	CG13521	robo	42503	CG10816	Dro	42726	CG15582	Obp83cd
41929	CG4854	CG4854	42241	CG13521	robo	42504	CG7350	Eig71Ed	42729	CG4822	CG4822
41930	CG6917	Est-6	42244	CG10776	wit	42506	CG7350	Eig71Ed	42730	CG4822	CG4822
41931	CG3396	Ocho	42248	CG32796	CG32796	42509	CG8370	CG8370	42733	CG3164	CG3164
41933	CG3421	RhoGAP93B	42252	CG10946	dpr14	42513	CG3879	Mdr49	42736	CG11601	CG11601
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41938	CG3428	CG3428	42255	CG17760	CG17760	42515	CG32257	Gr64b	42740	CG11822	nAcRbeta-21C
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41940	CG3483	CG3483	42260	CG32549	CG32549	42521	CG14239	CG14239	42744	CG31932	Gr22f
41943	CG3557	CG3557	42267	CG17376	CG17376	42523	CG14239	CG14239	42747	CG15361	Nplp4
41945	CG3557	CG3557	42268	CG17376	CG17376	42524	CG13995	CG13995	42748	CG15418	CG15418
41947	CG3723	Dhc93AB	42275	CG1674	CG1674	42525	CG13995	CG13995	42749	CG15418	CG15418
41954	CG32809	CG32809	42276	CG1674	CG1674	42528	CG13106	Or30a	42754	CG3036	CG3036
41957	CG3795	CG3795	42278	CG15345	CG15345	42541	CG3345	CG3345	42755	CG3036	CG3036
41958	CG3795	CG3795	42283	CG9854	hrg	42546	CG17336	Lcch3	42758	CG31645	CG31645
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41965	CG30000	CG30000	42302	CG33556	form3	42558	CG3280	CG3280	42763	CG9539	Sec61alpha
41967	CG30000	CG30000	42303	CG11815	CG11815	42559	CG3322	LanB2	42765	CG31887	CG31887
41974	CG4021	CG4021	42304	CG13803	DmsR-2	42560	CG3322	LanB2	42766	CG31887	CG31887
41975	CG4021	CG4021	42306	CG32403	Or65c	42565	CG8967	otk	42770	CG4450	CG4450
41982	CG4238	CG4238	42321	CG31158	CG31158	42566	CG8967	otk	42775	CG33298	CG33298
41995	CG4714	CG4714	42323	CG13613	CG13613	42570	CG8434	lbk	42776	CG33298	CG33298
41998	CG4750	CG4750	42326	CG13648	tnc	42571	CG8434	lbk	42779	CG3881	GlcAT-S
42000	CG4788	CG4788	42332	CG14815	CG14815	42575	CG14948	dpr18	42781	CG3881	GlcAT-S
42003	CG4824	BicC	42341	CG15478	CG15478	42576	CG14948	dpr18	42782	CG5722	NPC1
42004	CG4824	BicC	42347	CG13001	CG13001	42577	CG9211	iHog	42783	CG5722	NPC1
42008	CG4843	Tm2	42351	CG30266	CG30266	42578	CG13521	robo	42789	CG13140	dpr19
42011	CG4919	Gclm	42352	CG14132	CG14132	42580	CG7589	CG7589	42790	CG13140	dpr19
42016	CG4973	CG4973	42353	CG15214	CG15214	42582	CG7589	CG7589	42794	CG6495	CG6495
42019	CG5053	CG5053	42361	CG15659		42584	CG5535	CG5535	42796	CG6495	CG6495
42020	CG5062	CG5062	42369	CG32274	Drs-l	42588	CG32224	CG32224	42798	CG6627	Dnz1
42023	CG32767	CG32767	42370	CG32274	Drs-l	42589	CG32224	CG32224	42802	CG17213	Gr33a
42025	CG5131	CG5131	42372	CG14984	CG14984	42590	CG4289	CG4289	42804	CG17213	Gr33a
42026	CG5131	CG5131	42373	CG14984	CG14984	42591	CG4289	CG4289	42805	CG6417	Oatp33Eb
42035	CG5451	CG5451	42375	CG13715	CG13715	42592	CG11440	CG11440	42808	CG6417	Oatp33Eb
42040	CG5590	CG5590	42378	CG32102	CG32102	42594	CG11440	CG11440	42809	CG16826	CG16826
42042	CG5641	CG5641	42379	CG32102	CG32102	42599	CG11426	CG11426	42810	CG16826	CG16826
42043	CG5641	CG5641	42383	CG31315	CG31315	42600	CG11426	CG11426	42813	CG4013	Smr
42044	CG5704	CG5704	42384	CG31315	CG31315	42609	CG8494	CG8494	42819	CG9634	CG9634
42045	CG5704	CG5704	42390	CG10789	ng4	42612	CG1150	Osi3	42820	CG9634	CG9634
42048	CG5779	Bc	42391	CG3443	pcx	42613	CG1150	Osi3	42821	CG17100	CG17100
42049	CG5779	Bc	42392	CG3443	pcx	42617	CG31284	CG31284	42822	CG17100	CG17100
42053	CG5870	beta-Spec	42395	CG12528		42620	CG31284	CG31284	42825	CG2650	CG2650
42054	CG5870	beta-Spec	42399	CG14406	CG14406	42622	CG2791	CG2791	42828	CG2650	CG2650
42059	CG6420	CG6420	42405	CG30055	CG30055	42623	CG9620	Gfr	42829	CG3174	Fmo-2
42060	CG6420	CG6420	42406	CG17945	Mst84Dc	42627	CG31100	CG31100	42830	CG3174	Fmo-2
42061	CG6569	CG6569	42407	CG17945	Mst84Dc	42630	CG31100	CG31100	42833	CG7391	Clk
42062	CG6569	CG6569	42409	CG6503	CG6503	42635	CG8135	CG8135	42834	CG7391	Clk
42065	CG6613	CG6613	42411	CG6503	CG6503	42636	CG8135	CG8135	42835	CG9377	CG9377
42066	CG6613	CG6613	42417	CG2998	RpS28b	42640	CG8507	CG8507	42837	CG9377	CG9377
42071	CG6699	beta'Cop	42420	CG30353	CG30353	42641	CG8507	CG8507	42843	CG1464	ey
42091	CG11780	beta4GalT7	42421	CG30353	CG30353	42642	CG4591	Tsp86D	42845	CG1464	ey
42092	CG11780	beta4GalT7	42426	CG30396	Gr58a	42643	CG4591	Tsp86D	42856	CG1322	zfh1
42094	CG13828	CG13828	42428	CG30396	Gr58a	42648	CG12201	CG12201	42857	CG1322	zfh1
42106	CG31816	CG31816	42429	CG14580	CG14580	42649	CG12201	CG12201	42858	CG3315	TrxT
42107	CG14659	CG14659	42432	CG14580	CG14580	42652	CG4606	alpha-Man-IIb	42859	CG4740	AttC
42111	CG8316	CG8316	42433	CG12554		42658	CG4451	Hs6st	42860	CG4740	AttC
42112	CG6544	fau	42436	CG12554		42660	CG5685	Calx	42862	CG4445	pgant3
42114	CG5450	Cdlc2	42440	CG14322	CG14322	42661	CG5685	Calx	42864	CG4445	pgant3
42117	CG8800	CG8800	42442	CG4007	Nrk	42664	CG4917	wfs1	42867	CG30345	CG30345
42118	CG8800	CG8800	42443	CG5718	CG5718	42665	CG4917	wfs1	42868	CG30345	CG30345
42121	CG9740	CG9740	42444	CG5134	MED9	42669	CG9717	CG9717	42870	CG3829	CG3829
42122	CG9740	CG9740	42449	CG4977	kek2	42670	CG9717	CG9717	42872	CG3829	CG3829
42145	CG8614	Neos	42456	CG1891	sax	42671	CG11077	CG11077	42874	CG12502	CG12502
42146	CG8614	Neos	42457	CG1891	sax	42673	CG7727	Appl	42875	CG12502	CG12502
42158	CG8840	CG8840	42462	CG7466	CG7466	42675	CG7727	Appl	42877	CG1869	CG1869

42878	CG1869	CG1869	43171	CG10405	CG10405	43421	CG3085	CG3085	43725	CG2947	CG2947
42880	CG15006	CG15006	43173	CG13000	CG13000	43423	CG31078	CG31078	43730	CG7605	Rab26
42882	CG33274	CG33274	43174	CG12934	CG12934	43425	CG31078	CG31078	43731	CG3008	CG3008
42883	CG33274	CG33274	43176	CG12934	CG12934	43444	CG3427	Epac	43732	CG3008	CG3008
42886	CG32355	CG32355	43177	CG18368	CG18368	43445	CG3427	Epac	43739	CG31187	CG31187
42888	CG4942	CG4942	43187	CG7025	CG7025	43451	CG6432	CG6432	43742	CG8742	Gyc76C
42890	CG4481	Glu-RIB	43188	CG7025	CG7025	43454	CG10176	CG10176	43744	CG8742	Gyc76C
42891	CG4481	Glu-RIB	43193	CG31862	CG31862	43462	CG9770	CG9770	43764	CG3365	drongo
42892	CG11915	CG11915	43194	CG31862	CG31862	43468	CG13613	CG13613	43767	CG3485	CG3485
42895	CG9728	PH4alphaNE1	43197	CG17988	Ance-3	43473	CG14815	CG14815	43769	CG3496	vir
42898	CG9728	PH4alphaNE1	43198	CG17988	Ance-3	43486	CG9994	Rab9	43770	CG3505	CG3505
42899	CG14786	CG14786	43201	CG14746	PGRP-SC1a	43491	CG15130	CG15130	43771	CG3510	CycB
42909	CG4653	CG4653	43203	CG2297	Obp44a	43493	CG14132	CG14132	43772	CG3510	CycB
42911	CG6788	CG6788	43205	CG7754	iotaTry	43501	CG33175	spri	43773	CG3561	CG3561
42912	CG6788	CG6788	43206	CG7754	iotaTry	43504	CG13552	CG13552	43778	CG3571	CG3571
42919	CG12273	angel	43209	CG1124	CG1124	43505	CG13552	CG13552	43780	CG3809	CG3809
42920	CG12273	angel	43210	CG1124	CG1124	43508	CG7735	CG7735	43781	CG33138	CG33138
42927	CG10855	CG10855	43213	CG17210	scpr-B	43509	CG7735	CG7735	43783	CG4527	slik
42929	CG10855	CG10855	43214	CG17210	scpr-B	43518	CG10789	ng4	43786	CG4924	icln
42931	CG11060	CG11060	43219	CG17210	scpr-B	43522	CG31202	CG31202	43788	CG4924	icln
42935	CG11068	CG11068	43220	CG17210	scpr-B	43523	CG31202	CG31202	43789	CG5087	CG5087
42936	CG11068	CG11068	43225	CG3301	CG3301	43526	CG8767	mos	43791	CG5405	KrT95D
42942	CG1112	alpha-Est7	43226	CG5255	CG5255	43527	CG7452	Syx17	43798	CG5734	CG5734
42943	CG11206	CG11206	43227	CG5255	CG5255	43529	CG13094	Dh31	43799	CG6332	CG6332
42945	CG11206	CG11206	43231	CG1809	CG1809	43531	CG16713	CG16713	43802	CG6363	MRG15
42948	CG11221	CG11221	43236	CG30100	CG30100	43532	CG31740	CG31740	43813	CG31690	CG31690
42950	CG11248	CG11248	43237	CG30100	CG30100	43539	CG8298	CG8298	43815	CG31690	CG31690
42951	CG11248	CG11248	43240	CG32383	CG32383	43541	CG8298	CG8298	43816	CG15408	CG15408
42959	CG32859	eIF4E-7	43244	CG18348	CG18348	43549	CG11899	CG11899	43817	CG15408	CG15408
42964	CG11600	CG11600	43245	CG18348	CG18348	43551	CG11899	CG11899	43821	CG7149	CG7149
42965	CG11600	CG11600	43248	CG3264	CG3264	43556	CG13059	CG13059	43824	CG13688	lpk2
42968	CG11635	CG11635	43250	CG3264	CG3264	43557	CG13059	CG13059	43825	CG13688	lpk2
42969	CG11635	CG11635	43252	CG1274	Jafrac2	43558	CG13090	CG13090	43837	CG10171	CG10171
42970	CG11886	Slbp	43254	CG1274	Jafrac2	43559	CG13108	CG13108	43839	CG10171	CG10171
42971	CG11886	Slbp	43255	CG4637	hh	43563	CG13111	CG13111	43843	CG1693	tty
42972	CG11889	CG11889	43260	CG11815	CG11815	43566	CG13131	CG13131	43845	CG30058	CG30058
42973	CG11889	CG11889	43263	CG7328	CG7328	43567	CG13131	CG13131	43846	CG30058	CG30058
42979	CG12128	CG12128	43264	CG12391	CG12391	43571	CG13401	U26	43849	CG13935	CG13935
42983	CG12203	CG12203	43265	CG12391	CG12391	43572	CG13401	U26	43862	CG4478	Mst35Bb
42991	CG12316	CG12316	43275	CG9444	CG9444	43583	CG13800	CG13800	43863	CG4478	Mst35Bb
42999	CG12917	CG12917	43277	CG9444	CG9444	43584	CG13980	CG13980	43867	CG4257	Stat92E
43001	CG13190	CG13190	43279	CG6680	CG6680	43585	CG14251	ms(3)K81	43874	CG15820	CG15820
43006	CG13711	CG13711	43280	CG6680	CG6680	43586	CG14541	CG14541	43881	CG15579	CG15579
43007	CG13711	CG13711	43281	CG13643	CG13643	43587	CG14541	CG14541	43882	CG15579	CG15579
43013	CG14054	CG14054	43282	CG13643	CG13643	43596	CG14893	CG14893	43888	CG9948	CG9948
43017	CG14141	CG14141	43288	CG5959	CG5959	43598	CG14893	CG14893	43889	CG9948	CG9948
43018	CG14141	CG14141	43296	CG9400	CG9400	43599	CG14896	CG14896	43896	CG8434	lbk
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43027	CG14692	CG14692	43299	CG11664	CG11664	43605	CG6752	CG6752	43911	CG9554	eya
43028	CG14902	decay	43300	CG11664	CG11664	43606	CG6758	CG6758	43922	CG9657	CG9657
43031	CG14993	Faa	43301	CG10755	Cyp4ae1	43611	CG14966	CG14966	43923	CG7992	CG7992
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43043	CG2239	jdp	43311	CG15292	CG15292	43615	CG15014	CG15014	43928	CG32227	CG32227
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43066	CG30051	CG30051	43314	CG12370	CG12370	43619	CG15028	CG15028	43956	CG3474	CG3474
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43070	CG30011	gem	43316	CG13742	CG13742	43624	CG15219	CG15219	43962	CG5931	CG5931
43071	CG30011	gem	43318	CG17967	DebA	43632	CG4456	Hsp67Bb	43967	CG30479	CG30479
43079	CG32192	CG32192	43320	CG17967	DebA	43632	CG4456	Hsp67Bb	43972	CG31217	CG31217
43080	CG32192	CG32192	43321	CG13462	CG13462	43633	CG6027	cdi	43973	CG11095	CG11095
43091	CG5278	CG5278	43322	CG13462	CG13462	43635	CG15803	CG15803	43974	CG14958	CG14958
43096	CG32672	Atg8a	43326	CG14575	capaR	43636	CG15803	CG15803	43976	CG12181	Sgs4
43097	CG32672	Atg8a	43329	CG7887	Takr99D	43639	CG17461	Kif3C	43978	CG5434	Srp72
43100	CG17715	CG17715	43334	CG15308	CG15308	43641	CG17461	Kif3C	43979	CG4669	CG4669
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43107	CG17163		43338	CG15755		43652	CG15115	CG15115	43985	CG13748	CG13748
43127	CG15517	CG15517	43339	CG15755		43654	CG15269	CG15269	43987	CG6327	CG6327
43131	CG30493	CG30493	43347	CG13567	CG13567	43655	CG15269	CG15269	43988	CG6327	CG6327
43139	CG17242	CG17242	43348	CG32275	CG32275	43656	CG15306	CG15306	43993	CG33264	Or69a
43141	CG14625	CG14625	43358	CG17631	CG17631	43657	CG15306	CG15306	43996	CG9550	CG9550
43142	CG14625	CG14625	43359	CG17631	CG17631	43663	CG15344	CG15344	43997	CG9550	CG9550
43143	CG31823	CG31823	43361	CG31283	CG31283	43679	CG15488	CG15488	44000	CG3671	Mvl
43145	CG31823	CG31823	43363	CG13825		43680	CG15604	CG15604	44001	CG3671	Mvl
43148	CG5809	CaBP1	43367	CG15928		43682	CG15604	CG15604	44002	CG5760	rtet
43149	CG30359	CG30359	43368	CG15928		43686	CG32635	CG32635	44003	CG5760	rtet
43151	CG30359	CG30359	43371	CG18106	IM2	43688	CG15771	CG15771	44008	CG13825	
43153	CG14748	CG14748	43372	CG18106	IM2	43694	CG15876	CG15876	44010	CG17248	n-syb
43154	CG14748	CG14748	43375	CG6956	Lcp65Ac	43701	CG1847	CG1847	44011	CG17248	n-syb
43155	CG15616	Acp53C14b	43380	CG2069	Oseg4	43702	CG1847	CG1847	44016	CG12715	CG12715
43156	CG15616	Acp53C14b	43384	CG7330	CG7330	43706	CG18495	Prosalpha6	44017	CG12715	CG12715
43157	CG7900	CG7900	43385	CG12026	CG12026	43711	CG1912	Gycalpha99B	44020	CG32255	Gr64f
43158	CG7900	CG7900	43388	CG32772	CG32772	43713	CG2072	TXBP181-like	44021	CG32240	CG32240
43162	CG4362	CG4362	43391	CG30435		43716	CG2261	CstF-50	44022	CG32240	CG32240
43163	CG4362	CG4362	43403	CG15460	CG15460	43717	CG2595	RacGAP84C	44029	CR33195	
43166	CG17045	yellow-e3	43404	CG15589	CG15589	43718	CG2595	RacGAP84C	44035	CG14947	CG14947
43167	CG17045	yellow-e3	43405	CG15589	CG15589	43721	CG2765	CG2765	44036	CG11694	CG11694
43170	CG10405	CG10405	43417	CG2247	CG2247	43724	CG2947	CG2947	44037	CG11694	CG11694

44041	CG6131	CG6131	44316	CG9700		44570	CG9867	CG9867	44856	CG6749	CG6749
44049	CG8425	Jhe	44318	CG5567	CG5567	44572	CG9867	CG9867	44857	CG5137	Cyp312a1
44050	CG8425	Jhe	44319	CG5567	CG5567	44577	CG8562	CG8562	44858	CG5137	Cyp312a1
44054	CG9891	yellow-d2	44326	CG6330	CG6330	44578	CG8562	CG8562	44860	CG6675	CG6675
44055	CG9891	yellow-d2	44328	CG6414	CG6414	44583	CG13830	CG13830	44862	CG1796	Tango4
44058	CG7348	CG7348	44341	CG16820	CG16820	44584	CG13830	CG13830	44871	CG8795	CG8795
44060	CG13857	CG13857	44347	CG17278	CG17278	44590	CG12708	CG12708	44872	CG31663	CG31663
44061	CG13857	CG13857	44348	CG17278	CG17278	44593	CG13121	CG13121	44874	CG4259	CG4259
44072	CG2045	Ser7	44358	CG8262	CG8262	44600	CG15160	CG15160	44875	CG9483	CG9483
44074	CG2045	Ser7	44359	CG8262	CG8262	44601	CG15160	CG15160	44876	CG9494	Tsp29Fa
44076	CG32537	CG32537	44360	CG8529	Dyb	44611	CG15069	Rgk2	44890	CG1771	mew
44077	CG32537	CG32537	44361	CG8561	CG8561	44627	CG15293	CG15293	44892	CG9786	hb
44080	CG13198	CG13198	44369	CG7887	Takr99D	44638	CG9209	vap	44893	CG9786	hb
44092	CG10076	spir	44372	CG17258	CG17258	44639	CG9209	vap	44894	CG9786	hb
44094	CG12112	CG12112	44373	CG7588	Eig71Ej	44651	CG9330	CG9330	44901	CG3440	Pcp
44095	CG12112	CG12112	44375	CG8291	CG8291	44653	CG9331	CG9331	44902	CG3440	Pcp
44098	CG12565	CG12565	44378	CG8996	wal	44654	CG9331	CG9331	44908	CG17985	CG17985
44107	CG33056	CG33056	44379	CG32476	mthl14	44655	CG9339	CG9339	44909	CG15088	CG15088
44107	CG33056	CG33056	44380	CG32476	mthl14	44656	CG9357	CG9357	44913	CG6727	gom
44110	CG11333	CG11333	44384	CG10129	ndl	44657	CG9357	CG9357	44917	CG2054	Cht2
44111	CG11333	CG11333	44385	CG10129	ndl	44658	CG9373	CG9373	44923	CG32262	CG32262
44113	CG1172	CG1172	44386	CG8896	18w	44659	CG9373	CG9373	44935	CG1380	sut4
44116	CG11926	CG11926	44387	CG8896	18w	44662	CG9381	mura	44940	CG31321	CG31321
44118	CG33485	dpr9	44390	CG9739	fz2	44663	CG9389	CG9389	44945	CG30095	CG30095
44119	CG11107	CG11107	44391	CG9739	fz2	44669	CG9410	CG9410	44950	CG30285	CG30285
44120	CG11298	CG11298	44393	CG7202	CG7202	44671	CG9446	coro	44951	CG1265	CG1265
44121	CG13934	CG13934	44395	CG7130	CG7130	44672	CG9446	coro	44960	CG13306	CG13306
44123	CG12279	CG12279	44396	CG7130	CG7130	44677	CG9486	CG9486	44980	CG10895	lok
44128	CG10722	CG10722	44400	CG9393	CG9393	44678	CG9486	CG9486	44985	CG9323	CG9323
44129	CG10722	CG10722	44403	CG5342	CG5342	44679	CG9487	CG9487	44987	CG5810	CG5810
44139	CG12552		44406	CG7649	Neu3	44680	CG9487	CG9487	44988	CG5810	CG5810
44147	CG30393	CG30393	44407	CG7649	Neu3	44682	CG9510	CG9510	44998	CG30188	CG30188
44152	CR33195		44408	CG31208	Gr92a	44683	CG9510	CG9510	44999	CG7169	S1P
44154	CR33195		44412	CG4805	ppk28	44686	CG9528	retm	45002	CG2109	mRpL44
44156	CG3210	Drp1	44414	CG1697	rho-4	44687	CG9528	retm	45006	CG10746	fok
44164	CG6092	Dak1	44416	CG1697	rho-4	44692	CG9576	CG9576	45009	CG10868	orb
44165	CG6092	Dak1	44418	CG3812	CG3812	44699	CG9606	Rrp45	45014	CG11001	FK506-bp2
44176	CG32458	CG32458	44419	CG3812	CG3812	44700	CG9629	CG9629	45015	CG11001	FK506-bp2
44178	CG4550	ninaE	44422	CG9864	CG9864	44702	CG5423	robo3	45016	CG11791	CG11791
44179	CG4550	ninaE	44423	CG9864	CG9864	44705	CG7121	Tehao	45018	CG17186	CG17186
44183	CG17885	Or1a	44427	CG9025	CG9025	44708	CG16765	ps	45028	CG14001	bchs
44184	CG17885	Or1a	44428	CG9025	CG9025	44712	CG5430	a5	45034	CG31304	CG31304
44186	CG2061	CG2061	44430	CG14967	CG14967	44723	CG7825	Rad17	45044	CG5790	CG5790
44187	CG2061	CG2061	44431	CG14967	CG14967	44724	CG32219	CG32219	45045	CG5790	CG5790
44190	CG9988	CG9988	44433	CG10671	CG10671	44725	CG32219	CG32219	45052	CG9279	CG9279
44191	CG9988	CG9988	44435	CG10671	CG10671	44733	CG3857	CG3857	45054	CG8348	Dh
44192	CG4133	CG4133	44438	CG8442	Glu-RI	44734	CG3857	CG3857	45058	CG30174	CG30174
44193	CG4133	CG4133	44439	CG8442	Glu-RI	44735	CG18313	CG18313	45060	CG30174	CG30174
44201	CG3876	CG3876	44445	CG1742	Mgstl	44736	CG1776	CG1776	45062	CG2156	
44202	CG18317	CG18317	44449	CG1718	CG1718	44740	CG14469	dpr12	45064	CG31323	CG31323
44203	CG18317	CG18317	44453	CG18622	CG18622	44741	CG14469	dpr12	45068	CG15515	CG15515
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44215	CG9870	CG9870	44460	CG1472	sec24	44746	CG17967	DebA	45072	CG15666	CG15666
44217	CG8837	CG8837	44461	CG1472	sec24	44750	CG32695	CG32695	45073	CG15893	CG15893
44220	CG14021	CG14021	44466	CG10756	Taf13	44751	CG32695	CG32695	45090	CG6125	CG6125
44222	CG14020	CG14020	44474	CG13350	CG13350	44755	CG6579	CG6579	45096	CG10011	CG10011
44228	CG11029	CG11029	44478	CG31156	CG31156	44756	CG6579	CG6579	45099	CG10675	CHKov2
44233	CG11567	Cpr	44479	CG31156	CG31156	44760	CG8167	llp2	45102	CG1082	alpha-Est4
44236	CG13772	neuroligin	44480	CG33122	cutlet	44761	CG8167	llp2	45106	CG14806	CG14806
44237	CG13772	neuroligin	44481	CG33122	cutlet	44764	CG15057	CG15057	45107	CG14806	CG14806
44240	CG7068	TepIII	44486	CG8663	nrv3	44765	CG1939	CG1939	45113	CG11369	CG11369
44241	CG7068	TepIII	44494	CG13136	CG13136	44766	CG5632	thoc6	45114	CG11369	CG11369
44244	CG31904	CG31904	44503	CG1308	CG1308	44767	CG1448	inx3	45116	CG11454	CG11454
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44250	CG13116	CG13116	44514	CG15880	CG15880	44780	CG14853	CG14853	45120	CG11533	Asator
44255	CG31813	CG31813	44515	CG15880	CG15880	44782	CG2682	d4	45121	CG11533	Asator
44263	CG7480	Pgant35A	44517	CG31933	CG31933	44785	CG30017	CG30017	45123	CG31063	CG31063
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44271	CG11889	CG11889	44524	CG7672	gl	44816	CG13178	CG13178	45139	CG33336	p53
44276	CG13421	Obp57c	44532	CG13487	CG13487	44817	CG13178	CG13178	45141	CG4911	CG4911
44282	CG4684	nwk	44534	CG4780	CG4780	44819	CG13875	CG13875	45164	CG5254	CG5254
44283	CG5206	bon	44536	CG3424	path	44820	CG13875	CG13875	45165	CG32815	CG32815
44284	CG5206	bon	44537	CG3424	path	44823	CG13892	Cypl	45166	CG1530	CG1530
44291	CG2146	didum	44538	CG10006	CG10006	44825	CG32066	CG32066	45174	CG1683	Ant2
44292	CG2146	didum	44539	CG10006	CG10006	44828	CG14247	CG14247	45176	CG1683	Ant2
44296	CG12913	CG12913	44540	CG14064	beat-VI	44830	CG30483	Prosap	45178	CG9413	CG9413
44297	CG9090	CG9090	44541	CG14064	beat-VI	44831	CG14207	CG14207	45180	CG9413	CG9413
44298	CG15225	CG15225	44550	CG10101	CG10101	44832	CG4688	CG4688	45181	CG9413	CG9413
44299	CG15225	CG15225	44555	CG15888	CG15888	44833	CG3492	CG3492	45182	CG9066	CG9066
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44305	CG6851	Mtch	44557	CG6707	CG6707	44839	CG12303	CG12303	45184	CG9066	CG9066
44309	CG10698	GRHRII	44561	CG11739	CG11739	44840	CG14187	CG14187	45185	CG9066	CG9066
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44312	CG8807	lush	44566	CG17404	CG17404	44845	CG4908	CG4908	45189	CG8051	CG8051
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45191	CG12317	Jhl-21	45430	CG8080	CG8080	45644	CG32167	CG32167	45949	CG13403	CG13403
45192	CG12317	Jhl-21	45433	CG17269	Fancd2	45645	CG32167	CG32167	45951	CG13423	CG13423
45193	CG12317	Jhl-21	45434	CG17269	Fancd2	45649	CG6479	CG6479	45952	CG13836	CG13836
45194	CG8708	CG8708	45435	CG15286	CG15286	45657	CG16756	CG16756	45967	CG12563	
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45207	CG11229	CG11229	45438	CG18213	CG18213	45675	CG7632	CG7632	45971	CG12442	CG12442
45208	CG10257	CG10257	45441	CG31299	nocturnin	45676	CG7632	CG7632	45981	CG11763	micr
45215	CG11362	CG11362	45442	CG31299	nocturnin	45677	CG5859	CG5859	45987	CG6791	CG6791
45216	CG11362	CG11362	45445	CG15125	CG15125	45681	CG33207	pxb	45992	CG11289	CG11289
45218	CG14049	llp6	45446	CG15309	CG15309	45682	CG33207	pxb	45996	CG6667	dl
45226	CG31523	CG31523	45447	CG16725	Smn	45683	CG3443	pcx	45998	CG6667	dl
45231	CG10699	Lim3	45448	CG17912	CG17912	45684	CG3443	pcx	45999	CG33506	CG33506
45232	CG4821	Tequila	45449	CG17912	CG17912	45696	CG12444	Tango3	45999	CG33506	CG33506
45239	CG1221	miple	45454	CG31782	CG31782	45697	CG11799	Mnf	46002	CG33506	CG33506
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45243	CG12696		45458	CG14650	CG14650	45717	CG9564	Try29F	46007	CG14686	CG14686
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45254	CG7336	Eig71Eg	45477	CG9904	CG9904	45734	CG31545	CG31545	46022	CG14660	laf
45259	CG8368	CG8368	45478	CG9904	CG9904	45735	CG8116	CG8116	46023	CG14660	laf
45262	CG12901	CG12901	45480	CG13606	CG13606	45739	CG4690	Tsp5D	46039	CG1827	CG1827
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45267	CG17395		45486	CG6199	CG6199	45743	CG1071	E2f2	46047	CG1988	CG1988
45268	CG9153	CG9153	45488	CG11411	fs(1)N	45748	CG10801	CG10801	46048	CG1988	CG1988
45271	CG4259	CG4259	45489	CG11411	fs(1)N	45749	CG10801	CG10801	46055	CG31270	CG31270
45274	CG9786	hb	45492	CG13632	CG13632	45750	CG10877	CG10877	46070	CG6562	synj
45275	CG6437	GlcT-1	45496	CG11025	isopeptidase-T-3	45757	CG14085	CG14085	46071	CG6589	CG6589
45276	CG31803	CG31803	45497	CG11025	isopeptidase-T-3	45764	CG13008	CG13008	46072	CG6589	CG6589
45282	CG3717	bcn92	45501	CG17429		45765	CG13008	CG13008	46075	CG14495	CG14495
45284	CG3717	bcn92	45502	CG17429		45767	CG3163	CG3163	46085	CG13244	CG13244
45285	CG7213	CG7213	45507	CG9868	Prosbeta5R1	45768	CG3163	CG3163	46093	CG15492	
45287	CG7213	CG7213	45508	CG30384	CG30384	45774	CG4212	Rab14	46096	CG33208	MICAL
45289	CG13061	Nplp3	45509	CG30384	CG30384	45780	CG5237	CG5237	46106	CG9837	CG9837
45294	CG2958	lectin-24Db	45510	CG30384	CG30384	45783	CG7568	CG7568	46108	CG8712	CG8712
45302	CG11734	HERC2	45513	CG9930	E5	45803	CG9295	CG9295	46113	CG9986	CG9986
45304	CG15909	CG15909	45514	CG9930	E5	45806	CG9467	CG9467	46120	CG9470	MtnA
45309	CG12375	CG12375	45515	CG9266	CG9266	45807	CG9467	CG9467	46121	CG15596	Osi11
45317	CG9077	CG9077	45516	CG9266	CG9266	45809	CG9485	CG9485	46124	CG15596	Osi11
45324	CG14877	CG14877	45518	CG4993	PRL-1	45817	CG9970	CG9970	46126	CG12806	Teh1
45335	CG12523	CG12523	45519	CG32386	corn	45818	CG14948	dpr18	46127	CG5250	CG5250
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45337	CG9863	CG9863	45522	CG4563	CG4563	45829	CG6641	Pbprp5	46138	CG12595	
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45341	CG17283	CG17283	45530	CG4751	CG4751	45831	CG6641	Pbprp5	46141	CG12772	CG12772
45345	CG10992	CG10992	45535	CG4957	CG4957	45832	CG6641	Pbprp5	46153	CG7445	fln
45350	CG13403	CG13403	45537	CG5105	Plap	45833	CG11453	CG11453	46154	CG7823	RhoGDI
45351	CG13403	CG13403	45538	CG5105	Plap	45835	CG32263	CG32263	46157	CG7990	CG7990
45355	CG1502	tsg	45539	CG5105	Plap	45836	CG32025	desert	46163	CG3259	CG3259
45356	CG9782	CG9782	45540	CG5105	Plap	45837	CG32025	desert	46168	CG4951	CG4951
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45362	CG10493	CG10493	45560	CG5489	Atg7	45845	CG8972	rho-7	46174	CG5032	aft
45363	CG10493	CG10493	45561	CG5489	Atg7	45846	CG8972	rho-7	46180	CG31774	fred
45366	CG10535	CG10535	45564	CG5516	CG5516	45847	CG8972	rho-7	46182	CG7579	CG7579
45372	CG10642	Klp64D	45565	CG5516	CG5516	45848	CG14298	CG14298	46183	CG7579	CG7579
45373	CG10642	Klp64D	45574	CG6410	CG6410	45849	CG14298	CG14298	46185	CG14910	CG14910
45380	CG10969	CG10969	45576	CG6791	CG6791	45854	CG1705	Rst(1)JH	46191	CG9288	CG9288
45385	CG11141	CG11141	45578	CG6830	CG6830	45857	CG18389	Eip93F	46197	CG6737	CG6737
45386	CG11233	l(1)19Ec	45579	CG6866	loqs	45859	CG10619	tup	46198	CG16826	CG16826
45390	CG11339	CG11339	45585	CG1829	Cyp6v1	45863	CG4993	PRL-1	46202	CG17409	
45391	CG11339	CG11339	45586	CG1829	Cyp6v1	45869	CG11834		46203	CG18095	CG18095
45392	CG11339	CG11339	45587	CG11128	slif	45875	CG6190	As	46205	CG11755	CG11755
45394	CG32812	CG32812	45589	CG11128	slif	45876	CG6190	As	46207	CG5999	CG5999
45395	CG32812	CG32812	45592	CG14546	CG14546	45879	CG13441	Gr57a	46210	CG33170	CG33170
45396	CG32812	CG32812	45594	CG33556	form3	45883	CG4280	crq	46211	CG33170	CG33170
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45400	CG11759	Kap3	45599	CG32404	CG32404	45886	CG15406	CG15406	46216	CG33481	dpr7
45401	CG11872	CG11872	45600	CG32404	CG32404	45896	CG5427	Oatp33Ea	46222	CG15120	CG15120
45403	CG12623		45601	CG3513	CG3513	45902	CG3757	y	46223	CG15120	CG15120
45404	CG13423	CG13423	45603	CG3513	CG3513	45903	CG5727	CG5727	46224	CG32377	CG32377
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45409	CG13813	CG13813	45608	CG9084	CG9084	45906	CG13076	Notum	46229	CG8390	vlc
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45411	CG13836	CG13836	45610	CG9084	CG9084	45909	CG31828	CG31828	46247	CG18536	CG18536
45413	CG14011	CG14011	45611	CG8431	Aats-cys	45912	CG13195	CG13195	46249	CG12818	CG12818
45416	CG14314	CG14314	45619	CG9542	CG9542	45917	CG8394	CG8394	46252	CG32019	bt
45419	CG14352	CG14352	45620	CG9542	CG9542	45920	CG8178	Nach	46253	CG32019	bt
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45421	CG14684	CG14684	45623	CG9592	CG9592	45926	CG18869	CG18869	46258	CG12621	beat-IIIa
45422	CG17819	CG17819	45624	CG9592	CG9592	45928	CG9163	mmd	46260	CG33466	Fs
45424	CG17819	CG17819	45625	CG9592	CG9592	45931	CG31482	CG31482	46261	CG33466	Fs
45427	CG7726	RpL11	45626	CG9592	CG9592	45936	CG9813	CG9813	46263	CG33509	CG33509
45428	CG7726	RpL11	45633	CG13071	CG13071	45939	CG3692	CalpC	46264	CG33509	CG33509
45429	CG8080	CG8080	45634	CG7106	lectin-28C	45939	CG3692	CalpC	46265	CG4863	RpL3
45429	CG8080	CG8080	45638	CG15673	CG15673	45940	CG32815	CG32815	46268	CG8825	gkt
45430	CG8080	CG8080	45641	CG32158	CG32158	45948	CG17283	CG17283	46269	CG8825	gkt

46275	CG1638	CG1638
46276	CG7988	CG7988
46277	CG7988	CG7988
46285	CG2989	CG2989
46286	CG2989	CG2989
46287	CG9466	CG9466
46288	CG9466	CG9466
46289	CG14789	O-fut2
46291	CG18106	IM2
46293	CG31628	ade3
46295	CG31628	ade3
46299	CG12358	Paip2
46300	CG12358	Paip2
46305	CG14391	CG14391
46307	CG14870	CG14870
46308	CG14870	CG14870
46315	CG7420	CG7420
46316	CG7420	CG7420
46320	CG7098	dik
46322	CG8366	CG8366
46326	CG9119	CG9119
46327	CG9119	CG9119
46328	CG9121	CG9121
46329	CG9139	CG9139
46330	CG9143	CG9143
46332	CG7476	mthl7
46333	CG7476	mthl7
46334	CG7842	CG7842
46339	CG30001	CG30001
46358	CG1891	sax
46359	CG15596	Osi11
46360	CG15596	Osi11
46362	CG31259	CG31259
46363	CG12806	Teh1
46364	CG12806	Teh1
46365	CG14691	CG14691
46370	CG4686	CG4686
46371	CG4686	CG4686
46372	CG4686	CG4686
46375	CG32137	CG32137
46378	CG9555	CG9555
46389	CG16749	CG16749
46390	CG16749	CG16749
46398	CG17063	inx6
46399	CG17063	inx6
46401	CG31732	yuri
46402	CG31732	yuri
46405	CG32252	CG32252
46406	CG12163	CG12163
46407	CG12163	CG12163
46408	CG32691	CG32691
46409	CG32691	CG32691
46419	CG32775	GlcAT-I
46421	CG32775	GlcAT-I
46425	CG32782	tlk
46428	CG32829	CG32829
46433	CG32834	CG32834
46434	CG32834	CG32834
46450	CG33250	AlkB
46453	CG33279	CG33279
46454	CG33282	CG33282
46456	CG33558	CG33558
46460	CG33641	CG33641
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46464	CG33678	CG33678
46466	CG33680	CG33680
46468	CG33680	CG33680
46469	CG13722	CG13722
46470	CG13722	CG13722
46472	CG17919	CG17919
46473	CG17919	CG17919
46476	CG14379	CheA87a
46480	CG3985	Syn
46483	CG1618	comt
46485	CG15113	5-HT1B
46486	CG13566	CG13566
46487	CG14240	CG14240
46488	CG14240	CG14240
46489	CG11024	cl
46490	CG15635	CG15635
46505	CG31028	CG31028
46506	CG31028	CG31028
46508	CG32754	vanin-like
46509	CG32754	vanin-like
46511	CG15572	CG15572
46514	CG8652	Ugt37c1
46515	CG10704	toe
46519	CG10159	BEAF-32
46527	CG13693	CG13693
46531	CG13996	CG13996
46538	CG17292	CG17292
46542	CG9258	nrv1
46548	CG5073	CG5073
46549	CG5073	CG5073
46556	CG3004	CG3004
46557	CG3004	CG3004
46573	CG33102	Hex-t1
46574	CG33102	Hex-t1
46577	CG9265	CG9265
46579	CG9804	CG9804
46588	CG2826	lectin-21Ca
46589	CG2826	lectin-21Ca
46592	CG5642	CG5642
46594	CG5642	CG5642
46596	CG17684	
46604	CG5103	CG5103
46613	CG7864	CG7864
46616	CG5370	Dcp-1
46621	CG14300	CG14300
46649	CG32561	xmas-1
46651	CG32568	CG32568
46653	CG32569	CG32569
46656	CG32588	CG32588
46660	CG32599	CG32599
46661	CG32599	CG32599
46662	CG32613	CG32613
46663	CG32650	CG32650
46664	CG32650	CG32650
46666	CG32668	CG32668
46667	CG32675	Tango5
46668	CG32675	Tango5
46671	CG7457	CG7457
46676	CG17143	thoc7
46677	CG17143	thoc7
46681	CG32310	
46682	CG32310	
46687	CG17245	plexB
46696	CG10491	vn
46701	CG4649	Sodh-2
46704	CG31901	CG31901
46707	CG1668	Pbprp2
46709	CG5683	Aef1
46712	CG4445	pgant3
46713	CG10698	GRHRII
46714	CG8807	lush
46730	CG12133	CG12133
46731	CG12133	CG12133
46738	CG14100	CG14100
46743	CG17665	CG17665
46744	CG17665	CG17665
46745	CG17696	
46746	CG6745	CG6745
46747	CG6745	CG6745
46748	CG6745	CG6745
46749	CG3526	CG3526
46749	CG3526	CG3526
46751	CG3526	CG3526
46752	CG3526	CG3526
46755	CG1072	Awh
46760	CG8297	CG8297
46761	CG16997	CG16997
46765	CG4899	Pdh
46768	CG33300	CG33300
46773	CG12075	CG12075
46776	CG32656	CG32656
46777	CG1218	CG1218
46778	CG1218	CG1218
46784	CG32351	CG32351
46792	CG17060	Rab10
46793	CG11523	CG11523
46794	CG11523	CG11523
46796	CG12194	CG12194
46805	CG7659	tap
46806	CG7659	tap
46808	CG31530	CG31530
46809	CG31530	CG31530
46813	CG5558	CG5558
46814	CG5558	CG5558
46815	CG4846	beat-Ia
46816	CG10477	CG10477
46817	CG10477	CG10477
46822	CG7071	CG7071
46823	CG7071	CG7071
46824	CG9048	Vm26Aa
46826	CG15333	CG15333
46845	CG4476	CG4476
46846	CG4476	CG4476
46847	CG10154	CG10154
46848	CG10154	CG10154
46851	CG4753	CG4753
46854	CG4696	Mp20
46858	CG11821	Cyp12a5
46859	CG7011	CG7011
46860	CG7011	CG7011
46862	CG3760	CG3760
46868	CG14879	CG14879
46869	CG17140	CG17140
46870	CG17140	CG17140
46873	CG9842	Pp2B-14D
46874	CG9842	Pp2B-14D
46875	CG7103	Pvf1
46876	CG17268	Pros28.1A
46879	CG4019	CG4019
46880	CG4019	CG4019
46883	CG12467	CG12467
46884	CG12467	CG12467
46887	CG1066	Shab
46891	CG6009	P5cr
46896	CG10910	CG10910
46898	CG10910	CG10910
46900	CG6041	CG6041
46905	CG11315	CG11315
46906	CG11315	CG11315
46910	CG31956	pgant4
46917	CG14886	Gyc-89Db
46919	CG9668	Rh4
46920	CG9668	Rh4
46921	CG12951	CG12951
46922	CG12951	CG12951
46925	CG8945	CG8945
46933	CG10777	CG10777
46938	CG4421	GstD8
46939	CG4421	GstD8
46942	CG30377	CG30377
46944	CG4115	CG4115
46948	CG8568	CG8568
46949	CG8568	CG8568
46952	CG13102	CG13102
46953	CG13102	CG13102
46957	CG12102	
46958	CG8129	CG8129
46965	CG8016	rad201
46971	CG32788	Crg-1
46972	CG32788	Crg-1
46974	CG14480	CG14480
46975	CG14480	CG14480
46978	CG1989	Yippee
46982	CG7031	CG7031
46987	CG17571	CG17571
46988	CG17571	CG17571
46990	CG8060	CG8060
46991	CG8060	CG8060
46993	CG13920	CG13920
47008	CG32201	CG32201
47009	CG2278	CG2278
47010	CG2278	CG2278
47016	CG14997	CG14997
47019	CG16733	CG16733
47024	CG32006	CG32006
47027	CG3682	PIP5K59B
47030	CG5127	CG5127
47035	CG3226	CG3226
47037	CG14481	CG14481
47038	CG14481	CG14481
47041	CG4740	AttC
47043	CG30135	
47044	CG30135	
47053	CG17217	CG17217
47054	CG5561	CG5561
47055	CG5561	CG5561
47058	CG11512	GstD4
47060	CG11512	GstD4
47069	CG30053	CG30053
47076	CG17192	CG17192
47077	CG17192	CG17192
47081	CG16936	CG16936
47085	CG15484	CG15484
47091	CG14487	CG14487
47096	CG1315	CG1315
47098	CG13912	CG13912
47099	CG13912	CG13912
47103	CG4711	squ
47104	CG4711	squ
47109	CG12355	CG12355
47112	CG33494	CG33494
47124	CG6096	HLHm5
47131	CG18586	CG18586
47132	CG6331	Orct
47138	CG14526	CG14526
47139	CG14526	CG14526
47147	CG8603	CG8603
47149	CG11719	Mst98Ca
47150	CG11719	Mst98Ca
47152	CG32219	CG32219
47153	CG1806	CG1806
47158	CG32679	CG32679
47163	CG3157	gammaTub23C
47166	CG17241	Or94a
47170	CG11570	CG11570
47171	CG8566	unc-104
47174	CG8117	CG8117
47178	CG13908	CG13908
47179	CG13908	CG13908
47186	CG18104	arg
47189	CG14966	CG14966
47190	CG1982	Sodh-1
47191	CG1982	Sodh-1
47194	CG10326	CG10326
47195	CG9519	CG9519
47196	CG9519	CG9519
47201	CG10560	CG10560
47205	CG18530	CG18530
47207	CG8936	Arpc3B
47208	CG6395	Csp
47215	CG18631	CG18631
47216	CG4761	knrl
47221	CG17446	CG17446
47223	CG12586	CG12586
47236	CG13484	CG13484
47238	CG32087	CG32087
47242	CG6839	CG6839
47245	CG11788	CG11788
47249	CG15776	CG15776
47250	CG8478	CG8478
47254	CG15237	CG15237
47260	CG15642	CG15642
47261	CG9576	CG9576
47264	CG17221	CG17221
47265	CG17301	CG17301
47266	CG17301	CG17301
47267	CG17301	CG17301
47269	CG17514	
47273	CG17564	CG17564
47274	CG17754	CG17754
47275	CG17754	CG17754
47276	CG17754	CG17754
47277	CG17754	CG17754
47280	CG18069	CaMKII
47287	CG18673	CG18673
47288	CG18673	CG18673
47289	CG18744	CG18744
47291	CG18744	CG18744
47293	CG14630	CG14630
47302	CG2120	CG2120
47303	CG2120	CG2120
47304	CG2120	CG2120
47305	CG2120	CG2120
47309	CG2669	CG2669
47326	CG7001	Pk17E
47327	CG3386	CG3386
47331	CG32849	Hex-t2
47334	CG7542	CG7542
47337	CG14323	CG14323
47338	CG14323	CG14323
47343	CG6403	CG6403
47355	CG9720	PH4alphaNE2
47357	CG4151	CG4151
47362	CG11581	CG11581
47371	CG10419	CG10419
47372	CG10419	CG10419
47374	CG10419	CG10419
47375	CG11158	CG11158
47380	CG31067	CG31067
47382	CG17814	Peritrophin-15a
47385	CG8396	Ssb-c31a
47388	CG10158	CG10158
47398	CG11126	CG11126
47399	CG11126	CG11126

47404	CG12007	CG12007	47659	CG14932	CG14932	47920	CG6947	CG6947	48292	CG33290	CG33290
47411	CG12171	CG12171	47660	CG14932	CG14932	47929	CG15738	CG15738	48294	CG33292	CG33292
47412	CG12637	CG12637	47665	CG5861	CG5861	47932	CG15764	CG15764	48300	CG33310	CG33310
47413	CG12637	CG12637	47667	CG6058	Ald	47934	CG17544	CG17544	48313	CG30387	CG30387
47415	CG12637	CG12637	47668	CG6058	Ald	47935	CG17544	CG17544	48315	CG10581	CG10581
47416	CG14518	CG14518	47671	CG9886	CG9886	47936	CG1888	CG1888	48332	CG14022	CG14022
47417	CG14518	CG14518	47677	CG6180	CG6180	47945	CG31105	CG31105	48337	CG5050	CG5050
47418	CG12567		47678	CG6180	CG6180	47946	CG31105	CG31105	48339	CG5050	CG5050
47423	CG12661	CG12661	47682	CG6321	CG6321	47949	CG16992	mthl6	48341	CG7329	CG7329
47424	CG12661	CG12661	47684	CG4095	CG4095	47952	CG30360	CG30360	48346	CG11929	CG11929
47425	CG12661	CG12661	47685	CG4095	CG4095	47957	CG14916	Gr32a	48352	CG31323	CG31323
47426	CG12689	CG12689	47688	CG4423	GstD6	47964	CG3057	colt	48353	CG32709	CG32709
47432	CG12743	otu	47696	CG6879	CG6879	47971	CG9127	ade2	48356	CG13028	CG13028
47434	CG13168	CG13168	47697	CG7122	RhoGAP16F	47972	CG9127	ade2	48357	CG13028	CG13028
47442	CG13889	CG13889	47701	CG7206	CG7206	47973	CG3647	stc	48364	CG33276	CG33276
47443	CG13972	CG13972	47702	CG7206	CG7206	47974	CG3647	stc	48368	CG11551	ind
47444	CG13972	CG13972	47705	CG7235	Hsp60C	47977	CG8713	CG8713	48377	CG32516	
47445	CG13972	CG13972	47706	CG7235	Hsp60C	47985	CG9299	CG9299	48379	CG32552	CG32552
47446	CG13972	CG13972	47708	CG7235	Hsp60C	47992	CG31405	Gr85a	48381	CG32552	CG32552
47448	CG14224	CG14224	47711	CG7298	CG7298	47995	CG5276	CG5276	48383	CG32579	CG32579
47451	CG14618	CG14618	47712	CG7298	CG7298	47996	CG14370	CG14370	48384	CG32579	CG32579
47456	CG14714	CG14714	47714	CG7366	CG7366	48001	CG7342	CG7342	48386	CG32584	CG32584
47457	CG14861	CG14861	47715	CG7366	CG7366	48002	CG7342	CG7342	48387	CG32584	CG32584
47458	CG14861	CG14861	47719	CG8038	CG8038	48019	CG31747	Gr36a	48395	CG32686	CG32686
47460	CG14861	CG14861	47723	CG31072	Lerp	48020	CG1092	CG1092	48402	CG32853	mthl12
47461	CG33514	CG33514	47724	CG31072	Lerp	48021	CG1092	CG1092	48403	CG32986	CG32986
47475	CG1628	CG1628	47725	CG32859	eIF4E-7	48023	CG15571	CG15571	48404	CG32988	CG32988
47477	CG15149	CG15149	47729	CG12853	CG12853	48025	CG32705	CG32705	48405	CG32988	CG32988
47478	CG15149	CG15149	47731	CG5676	CG5676	48033	CG9474	Snap24	48407	CG33007	CG33007
47479	CG33175	spri	47736	CG7587	CG7587	48034	CG9474	Snap24	48408	CG33012	CG33012
47480	CG33175	spri	47737	CG33158	CG33158	48037	CG2009	bip2	48409	CG33052	CG33052
47481	CG15523	CG15523	47738	CG33158	CG33158	48041	CG8924	CG8924	48410	CG33052	CG33052
47489	CG13978	CG13978	47739	CG33158	CG33158	48042	CG8924	CG8924	48414	CG33468	CG33468
47490	CG13978	CG13978	47740	CG8128	CG8128	48053	CG11459	CG11459	48422	CG32847	CG32847
47496	CG7840	CG7840	47743	CG8445	CG8445	48065	CG15198	CG15198	48430	CG7435	Arf84F
47499	CG4105	Cyp4e3	47747	CG8563	CG8563	48071	CG7370	CG7370	48431	CG12502	CG12502
47500	CG4105	Cyp4e3	47755	CG9386	CG9386	48087	CG14775		48432	CG32815	CG32815
47501	CG4105	Cyp4e3	47756	CG9386	CG9386	48093	CG15928		48434	CG13423	CG13423
47503	CG10617	CG10617	47757	CG9386	CG9386	48094	CG15058	CG15058	48436	CG33189	CG33189
47504	CG10617	CG10617	47762	CG9588	CG9588	48095	CG15058	CG15058	48439	CG33231	CG33231
47505	CG10617	CG10617	47763	CG9588	CG9588	48097	CG12528		48440	CG33235	CG33235
47506	CG10617	CG10617	47768	CG12199	kek5	48098	CG12528		48444	CG33252	CG33252
47507	CG4353	hep	47770	CG12199	kek5	48101	CG15451		48445	CG33252	CG33252
47509	CG4353	hep	47773	CG9028	CG9028	48106	CG17361	CG17361	48447	CG33256	CG33256
47511	CG8649	Fim	47774	CG9028	CG9028	48108	CG5013	CG5013	48448	CG33256	CG33256
47515	CG33134	debcl	47777	CG17078	CG17078	48109	CG10374	Lsd-1	48451	CG33299	CG33299
47516	CG33134	debcl	47779	CG17078	CG17078	48110	CG10374	Lsd-1	48455	CG33312	CG33312
47518	CG33134	debcl	47780	CG17078	CG17078	48113	CG12346	cag	48456	CG33333	CG33333
47519	CG3971	Baldspot	47787	CG30295	lpk1	48115	CG10508	CG10508	48457	CG33333	CG33333
47520	CG3971	Baldspot	47788	CG30295	lpk1	48119	CG4429	Rbp2	48461	CG33479	CG33479
47521	CG3971	Baldspot	47791	CG9930	E5	48124	CG2970	CG2970	48462	CG33479	CG33479
47524	CG9000	CG9000	47795	CG11146	CG11146	48126	CG2970	CG2970	48465	CG33489	CG33489
47529	CG15117	CG15117	47796	CG11146	CG11146	48127	CG13050	CG13050	48472	CG33643	CG33643
47536	CG11010	Ent3	47798	CG12665	Obp8a	48131	CG12505	CG12505	48473	CG33643	CG33643
47537	CG11010	Ent3	47803	CG9266	CG9266	48133	CG11854	CG11854	48478	CG33688	CG33688
47538	CG7527	CadN2	47804	CG32688	Hk	48134	CG11854	CG11854	48480	CG33698	CG33698
47542	CG3874	frc	47805	CG32688	Hk	48141	CG31636	CG31636	48481	CG33698	CG33698
47543	CG3874	frc	47808	CG32794	CG32794	48142	CG31636	CG31636	48487	CG33771	CG33771
47544	CG11489	CG11489	47809	CG32794	CG32794	48148	CG1763	nod	48488	CG33771	CG33771
47550	CG5621	CG5621	47810	CG32832	CG32832	48150	CG1763	nod	48500	CG18331	CG18331
47551	CG5621	CG5621	47814	CG32945	CG32945	48172	CG32298	CG32298	48501	CG18331	CG18331
47552	CG31424	CG31424	47816	CG33125	CG33125	48186	CG15332	CG15332	48505	CG10491	vn
47555	CG31424	CG31424	47817	CG33125	CG33125	48191	CG6045	CG6045	48510	CG14176	Or67b
47559	CG11381	CG11381	47820	CG33260	CG33260	48200	CG5641	CG5641	48511	CG14176	Or67b
47562	CG3044	CG3044	47829	CG33307	CG33307	48205	CG15639	CG15639	48514	CG30071	CG30071
47564	CG3044	CG3044	47830	CG33307	CG33307	48214	CG8606	RhoGEF4	48515	CG30071	CG30071
47566	CG8664	CG8664	47831	CG33321	CheB38b	48219	CG3570	CG3570	48519	CG33798	CG33798
47567	CG8664	CG8664	47841	CG33346	CG33346	48233	CG3792	CG3792	48521	CG33800	CG33800
47570	CG12935	CG12935	47842	CG33346	CG33346	48243	CG7029	CG7029	48525	CG32553	CG32553
47576	CG13409	CG13409	47844	CG33552	CG33552	48248	CG9825	CG9825	48526	CG32553	CG32553
47580	CG7017	CG7017	47855	CG7378	CG7378	48250	CG1507	Pur-alpha	48528	CG32634	CG32634
47581	CG7017	CG7017	47858	CG1529	CG1529	48253	CG8841	CG8841	48534	CG12819	sle
47583	CG14120	CG14120	47859	CG10579	Eip63E	48256	CG14887	Dhfr	48537	CG12819	sle
47584	CG14118	CG14118	47863	CG18268	CG18268	48257	CG14887	Dhfr	48538	CG14540	CG14540
47585	CG14118	CG14118	47868	CG32714	CG32714	48265	CG13364	CG13364	48539	CG14540	CG14540
47586	CG14118	CG14118	47869	CG32714	CG32714	48266	CG13364	CG13364	48542	CG15804	Dhc62B
47597	CG2126	CG2126	47871	CG8067	CG8067	48267	CG11348	nAcRbeta-64B	48544	CG15804	Dhc62B
47600	CG33133	grau	47872	CG8067	CG8067	48268	CG11348	nAcRbeta-64B	48550	CG1552	CG1552
47631	CG11911	CG11911	47880	CG33191	CG33191	48269	CG32653	CG32653	48552	CG31406	CG31406
47636	CG10523	park	47882	CG5793	CG5793	48270	CG32653	CG32653	48554	CG33265	CG33265
47637	CG10523	park	47883	CG5793	CG5793	48271	CG32727	CG32727	48557	CG32274	Drs-l
47639	CG10041	CG10041	47884	CG4662	CG4662	48272	CG32727	CG32727	48561	CG8934	CG8934
47640	CG10041	CG10041	47894	CG10560	CG10560	48281	CG32852	CG32852	48565	CG33347	CG33347
47641	CG9372	CG9372	47895	CG6919	oa2	48282	CG32852	CG32852	48570	CG33194	CheA29a
47642	CG9372	CG9372	47896	CG6919	oa2	48285	CG33262	CG33262	48575	CG33642	CG33642
47644	CG1143	CG1143	47898	CG14232	CG14232	48289	CG33289	CG33289	48576	CG3219	Klp59C
47658	CG6715	KP78a	47916	CG32669	CG32669	48290	CG33289	CG33289	48577	CG3219	Klp59C

48583	CG1942	CG1942	49001	CG3771	a6	49351	CG6206	CG6206	49763	CG32616	Ste12DOR
48584	CG1942	CG1942	49006	CG9358	Phk-3	49363	CG31607	CG31607	49766	CG33649	CG33649
48590	CG32504	CG32504	49009	CG1499	CG1499	49366	CG2615	ik2	49769	CG33649	CG33649
48591	CG32504	CG32504	49012	CG17320	ScpX	49368	CG6628	CG6628	49774	CG12372	spt4
48592	CG4729	CG4729	49013	CG17320	ScpX	49370	CG11412	CG11412	49787	CG31617	His1:CG31617
48593	CG4729	CG4729	49034	CG1407	CG1407	49372	CG11877	CG11877	49790	CG33935	mei-217
48601	CG14811	CG14811	49039	CG32667	CG32667	49378	CG4916	me31B	49793	CG17556	CG17556
48605	CG14963	CG14963	49043	CG9102	bab2	49383	CG5063	Trax	49795	CG4456	Hsp67Bb
48606	CG30010	CG30010	49044	CG2060	Cyp4e2	49385	CG5784	Mapmodulin	49796	CG4456	Hsp67Bb
48620	CG13994	CG13994	49046	CG32194	CG32194	49386	CG5784	Mapmodulin	49798	CG6661	CG6661
48622	CG13994	CG13994	49047	CG32194	CG32194	49395	CG6885	CG6885	49799	CG6661	CG6661
48628	CG2044	Lcp4	49058	CG6931	CG6931	49402	CG16735	CG16735	49801	CG32495	CG32495
48651	CG6026	CG6026	49068	CG13794	CG13794	49407	CG12798		49806	CG7215	CG7215
48660	CG15525	CG15525	49069	CG13794	CG13794	49408	CG12798		49812	CG30461	CG30461
48662	CG16905	CG16905	49073	CG9449	CG9449	49410	CG31732	yuri	49813	CG1179	LysB
48663	CG16905	CG16905	49074	CG18410	CG18410	49430	CG13954	CG13954	49820	CG13102	CG13102
48666	CG13068	CG13068	49077	CG15629	CG15629	49434	CG1421	CG1421	49821	CG13102	CG13102
48673	CG14850	CG14850	49078	CG10571	ara	49437	CG7737	CG7737	49822	CG9958	snapin
48675	CG7508	ato	49091	CG10182	CG10182	49438	CG7737	CG7737	49823	CG9958	snapin
48679	CG11072	CG11072	49098	CG32984	CG32984	49451	CG32836	CG32836	49831	CG11598	CG11598
48690	CG8118	mam	49099	CG33453	CG33453	49456	CG32971	CG32971	49832	CG1179	LysB
48704	CG3509	CG3509	49100	CG17176	ACXA	49458	CG33057	CG33057	49833	CG1179	LysB
48711	CG7371	CG7371	49101	CG17176	ACXA	49461	CG33172	CG33172	49834	CG11825	CG11825
48714	CG12480	CG12480	49107	CG14903	CG14903	49465	CG33178	CG33178	49836	CG12493	CG12493
48720	CG15191	e(y)2	49114	CG6696	CG6696	49469	CG8481	CG8481	49837	CG12493	CG12493
48721	CG6094	CG6094	49115	CG6696	CG6696	49472	CG6171	CG6171	49850	CG2885	RabX2
48725	CG17870	14-3-3zeta	49117	CG6803	Zeelin1	49473	CG7439	AGO2	49851	CG2885	RabX2
48731	CG16825	CG16825	49120	CG12179	CG12179	49477	CG14636	CG14636	49853	CG12728	CG12728
48735	CG3422	Pros28.1	49131	CG13323	CG13323	49479	CG6818	MESR6	49871	CG5907	Frq2
48737	CG8586	CG8586	49134	CG13373	CG13373	49483	CG13072	PDCD-5	49873	CG6277	CG6277
48744	CG3513	CG3513	49135	CG13373	CG13373	49487	CG18581	CG18581	49880	CG7170	Jon66Cii
48745	CG30011	gem	49138	CG13415	Cby	49491	CG6042	Cyp12a4	49881	CG7170	Jon66Cii
48746	CG11886	Slbp	49141	CG12487	BobA	49492	CG6042	Cyp12a4	49889	CG8234	CG8234
48747	CG6956	Lcp65Ac	49151	CG13679	CG13679	49494	CG4210	CG4210	49892	CG8534	CG8534
48748	CG17019	CG17019	49156	CG13795	CG13795	49497	CG17734	CG17734	49901	CG9354	RpL34b
48749	CG17019	CG17019	49160	CG14143	CG14143	49498	CG7015	Unr	49908	CG14253	CG14253
48759	CG13062	CG13062	49161	CG14143	CG14143	49499	CG7015	Unr	49909	CG14253	CG14253
48760	CG13062	CG13062	49165	CG14191	CG14191	49509	CG8417	CG8417	49921	CG11692	CG11692
48767	CG17328	CG17328	49174	CG14867	CG14867	49520	CG33273	Ilp5	49924	CG18085	sev
48768	CG32662	CG32662	49177	CG14898	CG14898	49527	CG33710	CG33710	49925	CG18085	sev
48769	CG32662	CG32662	49178	CG14898	CG14898	49528	CG33772	CG33772	49958	CG31275	CG31275
48774	CG3017	Alas	49188	CG15641	CG15641	49532	CG10243	Cyp6a19	49961	CG10002	fkh
48778	CG33156	CG33156	49192	CG33980	CG33980	49533	CG7070	PyK	49962	CG30290	CG30290
48780	CG33156	CG33156	49197	CG16971	CG16971	49538	CG7996	snk	49971	CG7628	CG7628
48782	CG5308	dpr5	49199	CG17026	CG17026	49539	CG7996	snk	49978	CG17664	CG17664
48787	CG11637	CG11637	49204	CG17320	ScpX	49549	CG5893	D	49982	CG5202	escl
48790	CG31639	CG31639	49205	CG17320	ScpX	49554	CG14583	CG14583	49984	CG10843	Cyp4p3
48791	CG11951	CG11951	49206	CG17637	CG17637	49565	CG17029	CG17029	49989	CG14514	Brd8
48792	CG32855	CG32855	49212	CG9541	CG9541	49566	CG17029	CG17029	50003	CG3956	sna
48795	CG33093	CG33093	49213	CG5737	dmrt93B	49568	CG32276	CG32276	50004	CG3956	sna
48796	CG33093	CG33093	49216	CG15432	CG15432	49572	CG9977	CG9977	50007	CG1200	Aplip1
48804	CG33259	CG33259	49217	CG16971	CG16971	49573	CG9977	CG9977	50012	CG32643	CG32643
48807	CG33544	Vkor	49221	CG18284	CG18284	49583	CG11781	CG11781	50014	CG11575	CG11575
48812	CG33635	CG33635	49225	CG10530	Lcp65Ag1	49606	CG12895	CG12895	50026	CG18412	ph-p
48816	CG33724	CG33724	49230	CG18823	CG18823	49613	CG14016	tomb	50030	CG32652	CG32652
48819	CG33770	CG33770	49232	CG18859	Or19a	49614	CG33691	CG33691	50031	CG1407	CG1407
48824	CG31050	CG31050	49235	CG2043	Lcp3	49632	CG7118	Jon66Ci	50033	CG4438	CG4438
48833	CG1499	CG1499	49240	CG2071	Ser6	49633	CG7118	Jon66Ci	50048	CG15570	CG15570
48839	CG6931	CG6931	49252	CG30002	CG30002	49634	CG31904	CG31904	50054	CG6891	CG6891
48842	CG12256	CG12256	49253	CG30002	CG30002	49635	CG8819	achi	50058	CG5342	CG5342
48843	CG12256	CG12256	49256	CG30051	CG30051	49642	CG14208	Tyler	50060	CG17522	GstE10
48855	CG32816	CG32816	49267	CG30381	CG30381	49661	CG11566	CG11566	50066	CG10075	CG10075
48858	CG33644	CG33644	49269	CG18240		49664	CG14681	CG14681	50067	CG10075	CG10075
48865	CG4744	CG4744	49271	CG18240		49674	CG17768	CG17768	50068	CG13858	CG13858
48866	CG4744	CG4744	49274	CG31086	CG31086	49678	CG18431	CG18431	50069	CG13858	CG13858
48870	CG13610	Orct2	49275	CG31086	CG31086	49679	CG18431	CG18431	50070	CG14104	CG14104
48877	CG2246	CG2246	49276	CG31126	CG31126	49683	CG18542	CG18542	50075	CG17027	CG17027
48878	CG2246	CG2246	49280	CG31142	CG31142	49684	CG18542	CG18542	50076	CG17027	CG17027
48882	CG3425	T3dh	49281	CG31142	CG31142	49686	CG18787	CG18787	50078	CG18180	CG18180
48883	CG3425	T3dh	49285	CG31391	CG31391	49687	CG18787	CG18787	50080	CG18180	CG18180
48884	CG11462	CG11462	49292	CG3176	CG3176	49692	CG18816	Tsp42Eb	50086	CG17637	CG17637
48885	CG11462	CG11462	49293	CG3176	CG3176	49693	CG1252	Ccp84Ab	50091	CG18211	betaTry
48887	CG9943	Surf1	49302	CG14143	CG14143	49694	CG1252	Ccp84Ab	50095	CG18259	CG18259
48891	CG4396	fne	49304	CG32164	CG32164	49698	CG18030	Jon99Fi	50108	CG6821	Lsp1gamma
48893	CG9406	CG9406	49306	CG32164	CG32164	49706	CG7025	CG7025	50110	CG2189	Dfd
48894	CG8968	CG8968	49309	CG32188	CG32188	49708	CG32569	CG32569	50111	CG12068	CG12068
48895	CG11924	Cf2	49313	CG32188	CG32188	49718	CG32269	CG32269	50112	CG12068	CG12068
48908	CG12175	tth	49315	CG32283	dro3	49737	CG32671	CG32671	50118	CG32667	CG32667
48918	CG6738	CG6738	49320	CG1742	Mgstl	49738	CG32671	CG32671	50123	CG4924	icln
48920	CG14031	Cyp4ac3	49321	CG18157	CG18157	49741	CG2947	CG2947	50126	CG10098	CG10098
48973	CG12844	Tsp42Eh	49322	CG18157	CG18157	49744	CG2947	CG2947	50127	CG5225	CG5225
48979	CG7199	Hr78	49329	CG4334	CG4334	49745	CG18859	Or19a	50135	CG8816	CG8816
48986	CG6971	CG6971	49330	CG4334	CG4334	49746	CG18859	Or19a	50136	CG8816	CG8816
48989	CG30391	CG30391	49339	CG7832	CG7832	49748	CG31530	CG31530	50139	CG31688	CG31688
48990	CG7266	Eip71CD	49341	CG17121	CG17121	49750	CG33104	eca	50141	CG10728	vls
48994	CG31467	CG31467	49345	CG9155	Myo61F	49757	CG32616	Ste12DOR	50144	CG1666	Hlc
48995	CG31467	CG31467	49347	CG9706	CG9706	49762	CG32616	Ste12DOR	50152	CG31792	CG31792

50153	CG8289	CG8289
50154	CG8289	CG8289
50158	CG30271	CG30271
50161	CG5724	CG5724
50162	CG5724	CG5724
50170	CG10242	Cyp6a23
50172	CG6733	CG6733
50173	CG6733	CG6733
50189	CG17735	CG17735
50197	CG32639	CG32639
50198	CG32639	CG32639
50202	CG33458	CG33458
50204	CG33325	CG33325
50206	CG17686	DlP1
50208	CG18420	CG18420
50211	CG14932	CG14932
50326	CG12506	CG12506
50327	CG12506	CG12506
50343	CG33664	CG33664
50347	CG4478	Mst35Bb
50351	CG8893	Gapdh2
50386	CG3044	CG3044
50387	CG4151	CG4151
50389	CG12133	CG12133
50391	CG1341	Rpt1
50394	CG13935	CG13935
50395	CG10053	CG10053
50404	CG7282	CG7282
50406	CG7282	CG7282
50409	CG1662	CG1662
50412	CG30142	Obp57b
50421	CG2962	CG2962
50426	CG5992	Adgf-A
50445	CG9878	Tim10
50449	CG10530	Lcp65Ag1
50451	CG12179	CG12179
50453	CG12179	CG12179
50477	CG2611	CG2611
50480	CG30033	CG30033
50488	CG31912	CG31912
50489	CG31912	CG31912
50493	CG31624	CG31624
50516	CG4842	CG4842
50517	CG4842	CG4842
50520	CG6990	HP1c
50524	CG7931	janB
50531	CG8719	Odc2
50541	CG31912	CG31912
50542	CG31912	CG31912
50554	CG10890	mus201
50555	CG10890	mus201
50559	CG11714	CG11714
50572	CG14208	Tyler
50583	CG30441	CG30441
50586	CG31274	CG31274
50591	CG32751	CG32751
50592	CG32751	CG32751
50597	CG14618	CG14618
50598	CG11146	CG11146
50599	CG10579	Eip63E
50600	CG5793	CG5793
50740	CG17472	CG17472
50814	CG11601	CG11601
50819	CG17109	CG17109
50820	CG17109	CG17109
51613	CG32986	CG32986
51614	CG14176	Or67b
51615	CG32634	CG32634
51616	CG6715	KP78a
51617	CG10855	CG10855
52451	CG3176	CG3176
52456	CG10491	vn
52457	CG16944	sesB
52634	CG3008	CG3008
52635	CG14253	CG14253
52636	CG14514	Brd8
52637	CG31467	CG31467
52638	CG12068	CG12068
52640	CG2962	CG2962
52641	CG2611	CG2611

Table 3. False negative result data

Transformant ID	CG Number	Gene Symbol	Expected phenotype? (line)	Expected phenotype? (gene)
11257	CG1007	emc	yes	yes
15620	CG10542	bre1	strong notum malf. due to cell death	strong notum malf. Due to cell death
35507	CG11798	chn	no	no
35508	CG11798	chn	no	
10662	CG11988	neur	yes	yes
44046	CG12366	O-fut1	yes	yes
27044	CG12676	ed	lethal	yes
3087	CG12676	ed	yes	
938	CG12676	ed	yes	
937	CG12676	ed	yes	
12647	CG13281	Cas	lethal	lethal
12648	CG13281	Cas	lethal	
13759	CG1520	WASp	yes	yes
13757	CG1520	WASp	yes	
41134	CG1725	dlg1	lethal	lethal
44527	CG17579	sca	yes	yes
44528	CG17579	sca	yes	
43075	CG17697	fz	yes (polarity)	yes
43077	CG17697	fz	yes (polarity)	
10855	CG1856	ttk	yes	yes
43083	CG18803	Psn	yes	yes
43082	CG18803	Psn	yes	
28341	CG1903	sno	lethal	lethal
19124	CG2204	G-oalpha47A	no	no
7769	CG2534	cno	no	no
7005	CG2621	sgg	no	no
16820	CG2855	aph-1	yes	yes
16821	CG2855	aph-1	yes	
6858	CG31020	spdo	yes	yes
6856	CG31020	spdo	no	
14480	CG31152	rumi	no	no
14481	CG31152	rumi	no	
11690	CG32120	sens	lethal	lethal
9925	CG3497	Su(H)	no	no
27187	CG3619	Dl	yes	yes
3720	CG3619	Dl	yes	
37288	CG3619	Dl	yes	
37287	CG3619	Dl	yes	
	CG3779	numb	yes	yes
7758	CG3796	ac	no	no
7756	CG3796	ac	no	
7759	CG3796	ac	no	
5302	CG3874	frc	no	no
21469	CG3874	frc	no	
21468	CG3874	frc	no	
47542	CG3874	frc	no	
47543	CG3874	frc	no	
7796	CG3929	dx	no	no
7795	CG3929	dx	no	
1112	CG3936	N	yes	yes
27229	CG3936	N	yes	
27228	CG3936	N	yes	
15565	CG4260	alpha-Adaptin	lethal	lethal
15566	CG4260	alpha-Adaptin	lethal	
21928	CG4713	CG4713	lethal	lethal
8892	CG4722	bib	no	yes
8893	CG4722	bib	yes	
2914	CG5055	baz	yes	yes
2915	CG5055	baz	yes	
11784	CG5099	msi	yes	yes
44895	CG5099	msi	yes	
41839	CG5363	cdc2	strong notum malf. due to cell death	strong notum malf. Due to cell death
41838	CG5363	cdc2	strong notum malf. due to cell death	
24466	CG5460	H	yes	yes
33294	CG5820	Gp150	lethal	yes
900	CG5820	Gp150	lethal	
899	CG5820	Gp150	lethal	
36301	CG5820	Gp150	yes	
33295	CG5820	Gp150	no	
27525	CG5841	mib1	yes	yes
27526	CG5841	mib1	yes	
34340	CG6235	tws	yes	yes
34339	CG6235	tws	yes	
35132	CG6897	bora	yes	yes
35134	CG6897	bora	yes	
7376	CG8075	Vang	yes	yes
48690	CG8118	mam	no	no
6315	CG8384	gro	yes	yes
6316	CG8384	gro	yes	

Table 4. False positive result data

Transformant ID	CG Number	Gene Symbol	Expected phenotype?
9240	CG10385	msl-1	yes (only males showed notum malf.)
9239	CG10385	msl-1	yes (only males showed notum malf.)
13562	CG10612	Or83a	yes
13563	CG10612	Or83a	yes
4225	CG10888	Rh3	yes
31390	CG10986	g	yes
31391	CG10986	g	yes
39766	CG10986	g	yes
41369	CG10986	g	yes
41368	CG10986	g	yes
19691	CG11680	mle	yes (many dead pupae)
9354	CG13206	Or47b	yes
26805	CG14360	Or88a	yes
11321	CG1555	cn	yes
11322	CG1555	cn	yes
13730	CG15779	Tre	yes
12347	CG15779	Tre	yes
2560	CG16724	tra	yes
2561	CG16724	tra	yes
7210	CG16740	Rh2	yes
7723	CG16910	key	yes
28225	CG1980	dj	yes
28224	CG1980	dj	yes
13673	CG2075	aly	yes
25591	CG30170	bgcn	yes
25590	CG30170	bgcn	yes
25015	CG3029	or	yes
25014	CG3029	or	Expected? (weak notum malformation and weak overproliferation)
3875	CG31783	ninaD	yes
29356	CG3241	msl-2	yes
14535	CG32498	dnc	No (notum malf. Due to cell death)
26299	CG32498	dnc	yes
24616	CG32498	dnc	yes
24615	CG32498	dnc	yes
16717	CG32498	dnc	yes
14534	CG32498	dnc	No (notum malf. Due to cell death)
15444	CG32498	dnc	yes
18140	CG32498	dnc	No (notum malf. Due to cell death)
45688	CG3331	e	yes (colour defect)
45689	CG3331	e	yes (colour defect)
26211	CG3504	inaD	yes
34286	CG3525	eas	yes
34287	CG3525	eas	yes
21490	CG3620	norpA	yes
10374	CG4215	spel1	yes
40876	CG4314	st	yes
40875	CG4314	st	yes
12045	CG4319	rpr	yes
27359	CG5125	ninaC	yes
27360	CG5125	ninaC	yes
1836	CG5192	Rh6	yes
23201	CG5216	Sir2	yes
23199	CG5216	Sir2	X chromosome-insertion
19834	CG5529	B-H1	yes
9253	CG5576	imd	yes
1748	CG5638	Rh7	yes
8933	CG6203	Fmr1	yes
13380	CG7303	Gr68a	yes
13381	CG7303	Gr68a	yes
35240	CG7399	Hn	yes
28041	CG7486	Dredd	yes
4365	CG8285	boss	yes
4366	CG8285	boss	yes
35876	CG8318	Nf1	Expected? (weak loss of bristles and weak notum malf.)
35877	CG8318	Nf1	yes
4867	CG8536	beta4GalNAcTA	yes
4869	CG8536	beta4GalNAcTA	yes
2998	CG8631	msl-3	yes
9827	CG9151	acj6	yes
29108	CG9347	ninaB	yes
3149	CG9771	Dip2	yes
3148	CG9771	Dip2	yes

Table 5. Second UAS-IR transgenic line results

This table is continued over two pages.

CG Number	Source	RNAi line ID	Gene Symbol	overlap 1st construct	Same pheno. multi 1st lines?	Result (line)	Result (gene)
CG10618	NIG-FLY	10618R-1	CHKov1	53%	1 line	no pheno.	no pheno.
CG10618	NIG-FLY	10618R-2	CHKov1	53%	1 line	no pheno.	
CG15443	NIG-FLY	15443R-1	CG15443	63%	1 line	no pheno.	no pheno.
CG15443	NIG-FLY	15443R-2	CG15443	63%	1 line	no pheno.	
CG15769	NIG-FLY	15769R-2	CG15769	0%	no	no pheno.	no pheno.
CG15769	NIG-FLY	15769R-4	CG15769	0%	no	no pheno.	
CG16908	NIG-FLY	16908R-4	CG16908	0%	yes	similar	similar
CG17579	NIG-FLY	17579R-1	sca	0%	yes	similar (p)	similar (p)
CG2183	NIG-FLY	2183R-1	CG2183	59%	no	no pheno.	no pheno.
CG2905	NIG-FLY	2905R-3	CG2905	0%	no	no pheno.	same
CG2905	NIG-FLY	2905R-7	CG2905	0%	no	same	
CG3690	NIG-FLY	3690R-1	CG3690	0%	no	no pheno.	no pheno.
CG3722	NIG-FLY	3722R-1	shg	0%	yes	same (p)	same (p)
CG3722	NIG-FLY	3722R-2	shg	0%	yes	same (p)	
CG3779	NIG-FLY	3779R-1	numb	66%	1 line	same (p)	same (p)
CG3779	NIG-FLY	3779R-3	numb	66%	1 line	same (p)	
CG3936	NIG-FLY	3936R-2	N	0%	yes	same (p)	same (p)
CG3936	NIG-FLY	3936R-3	N	0%	yes	same (p)	
CG5055	NIG-FLY	5055R-2	baz	0%	yes	same (p)	same (p)
CG5055	NIG-FLY	5055R-1	baz	0%	yes	same (p)	
CG5165	NIG-FLY	5165R-2	Pgm	0%	no	no pheno.	no pheno.
CG6098	NIG-FLY	6098R-1	Lrr47	0%	yes	same	same
CG6098	NIG-FLY	6098R-2	Lrr47	0%	yes	same	
CG6255	NIG-FLY	6255R-3	CG6255	0%	no	no pheno.	no pheno.
CG7454	NIG-FLY	7454R-1	Or85a	50%	no	no pheno.	no pheno.
CG7454	NIG-FLY	7454R-3	Or85a	50%	no	no pheno.	
CG7614	NIG-FLY	7614R-1	Mat1	0%	1 line	similar	similar
CG7614	NIG-FLY	7614R-3	Mat1	0%	1 line	similar	
CG8142	NIG-FLY	8142R-2	CG8142	70%	1 line	same	same
CG8142	NIG-FLY	8142R-3	CG8142	70%	1 line	same	
CG8657	NIG-FLY	8657R-1	Dgkepsilon	0%	1 line	no pheno.	no pheno.
CG8657	NIG-FLY	8657R-2	Dgkepsilon	0%	1 line	no pheno.	
CG8890	NIG-FLY	8890R-2	Gmd	0%	1 line	same (p)	same (p)
CG9249	NIG-FLY	9249R-1	CG9249	0%	yes?	similar	similar
CG9249	NIG-FLY	9249R-3	CG9249	0%	yes?	similar	
CG9596	NIG-FLY	9596R-1	CG9596	0%	no	same	same
CG9596	NIG-FLY	9596R-2	CG9596	0%	no	same	
CG1903	NIG-FLY	1903R-2	sno	0%	1 line	same (p)	same (p)
CG4350	NIG-FLY	4350R-2	CG4350	0%	yes	same	same
CG4350	NIG-FLY	4350R-1	CG4350	0%	yes	same	
CG6627	NIG-FLY	6627R-4	Dnz1	0%	no	no pheno.	no pheno.
CG9901	NIG-FLY	9901R-2	Arp14D	0%	yes	similar	same
CG9901	NIG-FLY	9901R-1	Arp14D	0%	yes	same	
CG10210	NIG-FLY	10210R-1	tst	0%	no	similar	same
CG10210	NIG-FLY	10210R-2	tst	0%	no	same	
CG10776	NIG-FLY	10776R-1	wit	0%	no	no pheno.	
CG10776	NIG-FLY	10776R-2	wit	0%	no	no pheno.	
CG10954	NIG-FLY	10954R-1	Arc-p34	40%	1 line	same	same
CG10954	NIG-FLY	10954R-4	Arc-p34	40%	1 line	same	
CG11101	NIG-FLY	11101R-2	pwn	0%	no	similar (p)	similar (p)
CG11101	NIG-FLY	11101R-3	pwn	0%	no	similar (p)	
CG11940	NIG-FLY	11940R-2	CG11940	0%	no	lethal	similar
CG11940	NIG-FLY	11940R-3	CG11940	0%	no	similar	
CG12352	NIG-FLY	12352R-1	san	57%	yes	same	same
CG12352	NIG-FLY	12352R-3	san	57%	yes	same	
CG12484	NIG-FLY	12484R-1	CG12484	0%	yes	no pheno.	no pheno.
CG12484	NIG-FLY	12484R-2	CG12484	0%	yes	no pheno.	
CG12542	NIG-FLY	12542R-3	CG12542	0%	1 line	similar	similar
CG12818	NIG-FLY	12818R-1	CG12818	59%	no	no pheno.	no pheno.
CG12818	NIG-FLY	12818R-3	CG12818	59%	no	no pheno.	
CG12880	NIG-FLY	12880R-1	CG12880	0%	no	no pheno.	no pheno.
CG13208	NIG-FLY	13208R-2	Obp47b	0%	yes	same	same
CG13208	NIG-FLY	13208R-3	Obp47b	0%	yes	same	
CG13472	NIG-FLY	13472R-1	CG13472	0%	no	no pheno.	no pheno.
CG13472	NIG-FLY	13472R-3	CG13472	0%	no	no pheno.	
CG13831	NIG-FLY	13831R-1	CG13831	0%	no	no pheno.	no pheno.
CG13831	NIG-FLY	13831R-2	CG13831	0%	no	no pheno.	
CG14721	NIG-FLY	14721R-2	CG14721	5%	1 line	no pheno.	similar
CG14721	NIG-FLY	14721R-2	CG14721	5%	1 line	similar	
CG15507	NIG-FLY	15507R-2	CG15507	0%	yes	same	same
CG15507	NIG-FLY	15507R-4	CG15507	0%	yes	same	
CG15637	NIG-FLY	15637R-1	CG15637	0%	1 line	no pheno.	similar
CG15637	NIG-FLY	15637R-2	CG15637	0%	1 line	similar	
CG16993	NIG-FLY	16993R-1	in	0%	no	same (p)	same (p)
CG16993	NIG-FLY	16993R-2	in	0%	no	same (p)	
CG17559	NIG-FLY	17559R-2	dnt	36%	no	no pheno.	no pheno.

CG Number	Source	RNAi line ID	Gene Symbol	overlap 1st construct	Same pheno. multi 1st lines?	Result (line)	Result (gene)
CG17559	NIG-FLY	17559R-3	dnt	36%	no	no pheno.	
CG17657	NIG-FLY	17657R-1	CG17657	0%	1 line	same (p)	same (p)
CG17657	NIG-FLY	17657R-3	CG17657	0%	1 line	same (p)	
CG17928	NIG-FLY	17928R-1	CG17928	0%	1 line	no pheno.	no pheno.
CG17928	NIG-FLY	17928R-2	CG17928	0%	1 line	no pheno.	
CG1804	NIG-FLY	1804R-1	kek6	0%	no	different	different
CG1804	NIG-FLY	1804R-3	kek6	0%	no	different	
CG18214	NIG-FLY	18214R-1	trio	0%	no	different	different
CG18214	NIG-FLY	18214R-2	trio	0%	no	different	
CG2179	NIG-FLY	2179R-2	Xe7	0%	1 line	similar	similar
CG31724	NIG-FLY	31724R-2	dp	0%	yes	same	same
CG31725	NIG-FLY	31725R-1	dp	0%	yes	same	
CG31725	NIG-FLY	31725R-3	dp	0%	yes	same	
CG31727	NIG-FLY	31727R-1	dp	0%	yes	same	
CG31727	NIG-FLY	31727R-3	dp	0%	yes	same	
CG31904	NIG-FLY	31904R-2	CG31904	0%	1 line	same	same
CG31904	NIG-FLY	31904R-3	CG31904	0%	1 line	same	
CG32049	NIG-FLY	32049R-1	CG32049	0%	yes	same	same
CG32049	NIG-FLY	32049R-2	CG32049	0%	yes		
CG32311	NIG-FLY	32311R-1	CG32311	0%	no	similar	similar
CG32311	NIG-FLY	32311R-2	CG32311	0%	no	similar	
CG3298	NIG-FLY	3298R-1	Jhl-1	0%	yes	same	same
CG3298	NIG-FLY	3298R-2	Jhl-1	0%	yes	same	
CG3891	NIG-FLY	3891R-1	CG3891	67%	yes	same	same
CG3891	NIG-FLY	3891R-2	CG3891	67%	yes	same	
CG4311	NIG-FLY	4311R-1	Hmgs	49%	yes	same	same
CG4311	NIG-FLY	4311R-3	Hmgs	49%	yes	same	
CG4633	NIG-FLY	4633R-2	Aats-ala-m	0%	yes	different	different
CG4633	NIG-FLY	4633R-4	Aats-ala-m	0%	yes	different	
CG5608	NIG-FLY	5608R-1	CG5608	19%	1 line	no pheno.	no pheno.
CG5608	NIG-FLY	5608R-3	CG5608	19%	1 line	no pheno.	
CG5640	NIG-FLY	5640R-3	CG5640	0%	yes	same	same
CG5640	NIG-FLY	5640R-2	CG5640	0%	yes	similar	
CG5680	NIG-FLY	5680R-1	bsk	62%	yes	same (p)	same (p)
CG5680	NIG-FLY	5680R-2	bsk	62%	yes	same (p)	
CG6883	NIG-FLY	6883R-1	trh	0%	yes	same	same
CG6883	NIG-FLY	6883R-2	trh	0%	yes	same	
CG7999	NIG-FLY	7999R-1	MED24	0%	1 line	same	same
CG7999	NIG-FLY	7999R-2	MED24	0%	1 line	same	
CG8865	NIG-FLY	8865R-1	Rgl	0%	1 line	different	different
CG8865	NIG-FLY	8865R-2	Rgl	0%	1 line	different	
CG10261	custom	1B1 T1	aPKC	0%	1 line	lethal (p)	same (p)
CG10261	custom	1B1 T2	aPKC	0%	1 line	lethal (p)	
CG11988	custom	1A3-5 T1	neur	0%	1 line	same (p)	same (p)
CG12366	custom	1G3 1 T1	O-fut1	0%	1 line	same (p)	same (p)
CG12366	custom	1G3 1 T2	O-fut1	0%	1 line	same (p)	
CG13983	custom	1D12 T1	CG13983	44%	no	no pheno.	no pheno.
CG13983	custom	1D12 T2	CG13983	44%	no	no pheno.	
CG31411	custom	1E8 3 T1	CG31411	0%	no	no pheno.	no pheno.
CG31411	custom	1E8 5 T1	CG31411	0%	no	no pheno.	
CG31411	custom	1E8 5 T2	CG31411	0%	no	no pheno.	
CG3619	custom	1A10 T1 (J)	Dl	0%	yes	same (p)	same (p)
CG3619	custom	1A10 T2 (J)	Dl	0%	yes	same (p)	
CG5070	custom	1G11 T1	CG5070	28%	no	different	different
CG5070	custom	1G11 T2	CG5070	28%	no	different	
CG5441	custom	1C12 a) T1	dei	0%	yes	same	same
CG5460	custom	1D12 T1 (J)	H	0%	1 line	similar (p)	similar (p)
CG5460	custom	1D12 T2(M)	H	0%	1 line	no pheno. (p)	
CG5857	custom	2D1 T1	CG5857	0%	yes	no pheno.	no pheno.
CG6202	custom	2G1 T1	Surf4	25%	no	same	same
CG6202	custom	2G1 T2	Surf4	25%	no	same	

Note: (p) denotes positive control genes in the Notch pathway or asymmetric cell division

Table 6. Appropriate GO Terms are statistically over-represented among genes with similar notum phenotypes

GO Term	Number	P value
Growth and Proliferation Phenotypes		
regulation of organ growth	GO:0046620	7.82E-008
cell proliferation	GO:0008283	3.72E-005
regulation of growth	GO:0040008	1.51E-004
imaginal disc development	GO:0007444	1.18E-011
Bristle Polarity Defects		
establishment of planar polarity	GO:0001736	3.16E-019
establishment of imaginal disc-derived wing hair orientation	GO:0001737	2.40E-011
Asymmetric Cell Division		
nervous system development	GO:0007399	5.90E-012
asymmetric cell division	GO:0008356	5.10E-006
regulation of cell cycle	GO:0051726	1.24E-005
Notch signaling pathway	GO:0007219	2.88E-005
lateral inhibition	GO:0046331	7.60E-004
sensory organ precursor cell fate determination	GO:0016360	1.34E-003
spindle localization	GO:0051653	7.46E-003
Lateral Inhibition		
neurogenesis	GO:0022008	7.86E-007
Notch signaling pathway	GO:0007219	1.16E-005
cell fate commitment	GO:0045165	1.38E-004
lateral inhibition	GO:0046331	7.38E-004
imaginal disc-derived wing vein specification	GO:0007474	3.78E-003
Bristle Morphology Defects		
mitochondrion	GO:0005739	7.72E-077
ribosome	GO:0005840	2.75E-040
primary metabolic process	GO:0044238	4.97E-013
cytoskeleton	GO:0005856	1.47E-004
translation	GO:0006412	9.94E-004

Table 7. Live imaging analysis for SOP specification results

This table is continued over two pages.

Transformant ID	CG Number	Gene Symbol	Loss	Phenotype in Live Imaging Assay	Positive Control Gene?
35469	CG10108	phyl	9.0	too many SOP cells	no
29715	CG10570	CG10570	10.0	no SOP cells	no
3326	CG10657	CG10657	7.0	normal number, size SOP cells	no
42245	CG10776	wit	9.0	no SOP cells	no
35489	CG10800	Rca1	10.0	no SOP cells	no
35490	CG10800	Rca1	9.0	few SOP cells, big SOP cells	no
18682	CG11053	CG11053	8.0	too many SOP cells	no
20105	CG11053	CG11053	9.0	too many SOP cells	no
37812	CG11154	ATPsyn-beta	9.0	small SOP cells	no
10942	CG1119	Gnf1	8.0	normal number, size SOP cells	no
3046	CG11282	caps	8.0	normal number, size SOP cells	no
43370	CG11446		10.0	no SOP cells	no
2495	CG11592	CG11592	9.0	lethal	no
38541	CG11597	CG11597	10.0	no SOP cells	no
43112	CG12265	CG12265	10.0	few SOP cells, big SOP cells	no
43113	CG12265	CG12265	10.0	few SOP cells, big SOP cells	no
23091	CG12333	CG12333	9.0	no SOP cells	no
31741	CG12352	san	7.0	normal number, size SOP cells	no
44046	CG12366	O-fut1	9.0	too many SOP cells	yes, Notch
17334	CG13623	CG13623	7.0	normal number, size SOP cells	no
17690	CG13708	CG13708	10.0	no SOP cells	no
24481	CG13827	CG13827	10.0	no SOP cells	no
17471	CG14299	CG14299	10.0	no SOP cells	no
32278	CG14544	CG14544	9.0	normal number, size SOP cells	no
32279	CG14544	CG14544	8.0	normal number, size SOP cells	no
43588	CG14549	Sld5	8.0	normal number, size SOP cells	no
37757	CG14999	RfC40	8.0	normal number, size SOP cells	no
28552	CG15292	CG15292	8.0	normal number, size SOP cells	no
14645	CG15307	CG15307	10.0	no SOP cells	no
11245	CG15367	Dip1	9.0	normal number, size SOP cells	no
20205	CG15429	CG15429	10.0	no SOP cells	no
40877	CG15443	CG15443	9.0	no SOP cells	no
14404	CG15769	CG15769	7.0	few SOP cells	no
32767	CG16908	CG16908	10.0	normal number, size SOP cells	no
14194	CG17081	CG17081	10.0	no SOP cells	no
40137	CG18214	trio	9.0	few SOP cells	no
43082	CG18803	Psn	9.0	too many SOP cells	yes, Notch
13762	CG2183	CG2183	8.0	normal number, size SOP cells	no
20849	CG2222	Psf3	9.0	normal number, size SOP cells	no
7035	CG2938	CG2938	9.0	no SOP cells	no
44747	CG30182	CG30182	9.0	normal number, size SOP cells	no
35799	CG30321	CG30321	10.0	no SOP cells	no
30545	CG31612	CG31612	9.0	no SOP cells	no
9425	CG31781	CG31781	8.0	normal number, size SOP cells	no
34446	CG32203	BG642378	9.0	no SOP cells	no
14339	CG32206	CG32206	9.0	no SOP cells	no
41875	CG32315	dlt	8.0	normal number, size SOP cells	no
41876	CG32315	dlt	8.0	normal number, size SOP cells	no
45459	CG32315	dlt	8.0	normal number, size SOP cells	no
7255	CG32463	CG32463	10.0	no SOP cells	no
43751	CG3298	Jhl-1	9.0	lethal	no
48476	CG33688	CG33688	10.0	no SOP cells	no
27187	CG3619	Dl	8.0	too many SOP cells	yes, Notch, ACD
37287	CG3619	Dl	7.0	too many SOP cells	yes, Notch, ACD
37288	CG3619	Dl	8.0	too many SOP cells	yes, Notch, ACD
28359	CG3690	CG3690	10.0	no SOP cells	no
29674	CG3875	CG3875	8.0	normal number, size SOP cells	no
1112	CG3936	N	9.0	too many SOP cells	yes, Notch, ACD
27228	CG3936	N	9.0	too many SOP cells	yes, Notch, ACD

Transformant ID	CG Number	Gene Symbol	Loss	Phenotype in Live Imaging Assay	Positive Control Gene?
27229	CG3936	N	10.0	too many SOP cells	yes, Notch, ACD
24193	CG4013	Smr	9.0	too many SOP cells	no
13661	CG4039	Mcm6	9.0	normal number, size SOP cells	no
33197	CG4088	lat	7.0	normal number, size SOP cells	no
35583	CG4178	Lsp1beta	10.0	no SOP cells	no
35385	CG4412	ATPsyn-Cf6	9.0	no SOP cells	no
3238	CG4531	argos	7.0	too many SOP cells	no
21536	CG4760	bol	8.0	few SOP cells	no
34953	CG5165	Pgm	9.0	no SOP cells	no
37761	CG5313	RfC3	8.0	normal number, size SOP cells	no
32421	CG5940	CycA	10.0	few SOP cells, big SOP cells	yes, ACD
27566	CG6098	Lrr47	9.0	normal number, size SOP cells	no
27567	CG6098	Lrr47	9.0	normal number, size SOP cells	no
30274	CG6308	CG6308	9.0	no SOP cells	no
42799	CG6627	Dnz1	9.0	no SOP cells	no
35123	CG6838	CG6838	10.0	no SOP cells	no
14099	CG7454	Or85a	9.0	no SOP cells	no
12429	CG7655	CG7655	9.0	no SOP cells	no
14392	CG7714	CG7714	10.0	no SOP cells	no
40322	CG7883	eIF2B-alpha	9.0	lethal	no
38963	CG7935	msk	7.0	small SOP cells	no
35338	CG8094	Hex-C	7.0	normal number, size SOP cells	no
10881	CG8142	CG8142	7.0	normal number, size SOP cells	no
24253	CG8239	CG8239	7.0	normal number, size SOP cells	no
28243	CG8472	Cam	10.0	no SOP cells	no
50350	CG8556	Rac2	9.0	lethal	no
28247	CG8765	CG8765	9.0	no SOP cells	no
23335	CG9032	sun	9.0	normal number, size SOP cells	no
23685	CG9032	sun	9.0	few SOP cells	no
42211	CG9249	CG9249	8.0	normal number, size SOP cells	no
29962	CG9270	CG9270	10.0	no SOP cells	no
27026	CG9596	CG9596	9.0	normal number, size SOP cells	no

91 lines
79 genes

Table 8. Time-lapse live imaging for asymmetric protein localization results

This table is continued over three pages.

Transformant ID	CG Number	Gene Symbol	Loss	Sockets	Dup. Hair	Lethality	Screened?	Live Imaging Phenotype	Time Lapse Information
1112	CG3936	N	9.0	0.0	0.0	Pupal	yes	too many SOP cells	
2495	CG11592	CG11592	9.0	0.0	0.0	Pupal	yes	lethal	
2651	CG5857	CG5857	0.8	0.2	0.2	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
3046	CG11282	caps	8.0	0.0	0.3	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
3238	CG4531	argos	7.0	0.0	0.0	Not Lethal	yes	too many SOP cells	
3326	CG10657	CG10657	7.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
4659	CG8657	Dgkepsilon	0.0	4.0	1.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
6149	CG5070	CG5070	0.0	0.0	2.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
7035	CG2938	CG2938	9.0	0.0	0.0	Not Lethal	yes	no SOP cells	
7255	CG32463	CG32463	10.0	0.0	0.0	Not Lethal	yes	no SOP cells	
7492	CG7923	Fad2	0.0	1.0	1.0	Not Lethal	yes	normal number, size SOP cells	size asymmetry defect (pIIb posterior)
9425	CG31781	CG31781	8.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	no dividing SOP cells, symmetric Pon in 1 of 1 movies
9660	CG31229	CG31229	5.6	0.8	0.3	Not Lethal	yes	small SOP cells	
10855	CG1856	ttk	0.0	2.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
10881	CG8142	CG8142	7.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
10942	CG1119	Gnf1	8.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
11107	CG8078	CG8078	0.0	7.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
11245	CG15367	Dip1	9.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
12429	CG7655	CG7655	9.0	0.0	0.0	Not Lethal	yes	no SOP cells	
12575	CG7614	Mat1	0.0	2.0	0.0	Not Lethal	yes	normal number, size SOP cells	no dividing SOP cells, size asymmetry defect (pIIb large) in 1 of 6 movies
13639	CG4082	Mcm5	5.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	symmetric Pon in some SOP cells
13661	CG4039	Mcm6	9.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	symmetric Pon (weak crescent), blebbing
13762	CG2183	CG2183	8.0	0.0	0.4	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
14099	CG7454	Or85a	9.0	0.0	0.0	Not Lethal	yes	no SOP cells	
14194	CG17081	CG17081	10.0	0.0	0.0	Not Lethal	yes	no SOP cells	
14339	CG32206	CG32206	9.0	0.0	0.0	Not Lethal	yes	no SOP cells	
14392	CG7714	CG7714	10.0	0.0	0.0	Not Lethal	yes	no SOP cells	
14404	CG15769	CG15769	7.0	0.0	0.0	Not Lethal	yes	few SOP cells	
14645	CG15307	CG15307	10.0	0.0	0.0	Not Lethal	yes	no SOP cells	
15537	CG15818	CG15818	0.0	0.7	0.3	Not Lethal	yes	small SOP cells	
16820	CG2855	aph-1	0.0	2.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
17296	CG12713	CG12713	5.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
17334	CG13623	CG13623	7.0	0.0	0.0	Pupal	yes	normal number, size SOP cells	no dividing SOP cells
17471	CG14299	CG14299	10.0	0.0	0.0	Not Lethal	yes	no SOP cells	
17643	CG14471	CG14471	0.0	0.0	1.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
17690	CG13708	CG13708	10.0	0.0	0.0	Not Lethal	yes	no SOP cells	
18354	CG14721	CG14721	3.0	2.0	2.0	Not Lethal	yes	small SOP cells	
18682	CG11053	CG11053	8.0	0.0	1.0	Pupal	yes	too many SOP cells	
19210	CG30259	CG30259	0.0	0.0	0.7	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
20105	CG11053	CG11053	9.0	0.0	0.0	Pupal	yes	too many SOP cells	
20205	CG15429	CG15429	10.0	0.0	0.0	Not Lethal	yes	no SOP cells	
20210	CG8355	sli	4.0	1.0	0.2	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
20824	CG2158	CG2158	1.0	2.0	1.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
20849	CG2222	Psf3	9.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
21333	CG31411	CG31411	6.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
21536	CG4760	bol	8.0	0.0	0.0	Not Lethal	yes	few SOP cells	
23091	CG12333	CG12333	9.0	0.0	0.0	Not Lethal	yes	no SOP cells	
23335	CG9032	sun	9.0	0.0	0.0	Pupal	yes	normal number, size SOP cells	no dividing SOP cells, GFP clusters
23639	CG8865	Rgl	0.0	1.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
23675	CG8021	CG8021	0.0	0.0	1.0	Not Lethal	yes	too many SOP cells	
23685	CG9032	sun	9.0	0.0	0.0	Pupal	yes	few SOP cells	
24148	CG8890	Gmd	5.0	0.0	0.0	Not Lethal	yes	too many SOP cells	
24193	CG4013	Smr	9.0	0.0	0.0	Not Lethal	yes	too many SOP cells	
24253	CG8239	CG8239	7.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	symmetric Pon (weak crescent) in 1 of 6 movies
24254	CG8239	CG8239	2.0	1.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype

Transformant ID	CG Number	Gene Symbol	Loss	Sockets	Dup. Hair	Lethality	Screened?	Live Imaging Phenotype	Time Lapse Information
24481	CG13827	CG13827	10.0	0.0	0.0	Not Lethal	yes	no SOP cells	
25034	CG8176	CG8176	0.0	2.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
25550	CG3000	rap	0.0	1.0	0.0	Pupal	yes	normal number, size SOP cells	no Pon phenotype
25553	CG3000	rap	0.0	1.0	0.0	Pupal	yes	normal number, size SOP cells	no Pon phenotype
27026	CG9596	CG9596	9.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
27187	CG3619	Dl	8.0	0.0	0.0	Not Lethal	yes	too many SOP cells	
27201	CG1634	Nrg	3.0	0.0	0.2	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
27228	CG3936	N	9.0	0.0	0.0	Pupal	yes	too many SOP cells	
27229	CG3936	N	10.0	0.0	0.0	Not Lethal	yes	too many SOP cells	
27486	CG5692	raps	6.0	1.0	0.0	Not Lethal	yes	normal number, size SOP cells	symmetric Pon
27566	CG6098	Lrr47	9.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
27567	CG6098	Lrr47	9.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
27759	CG6954	CG6954	0.0	1.0	0.0	Not Lethal	yes	normal number, size SOP cells	symmetric Pon, spindle orientation defect
28243	CG8472	Cam	10.0	0.0	0.0	Not Lethal	yes	no SOP cells	
28246	CG8765	CG8765	0.0	0.0	0.2	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
28247	CG8765	CG8765	9.0	0.0	0.0	Pupal	yes	no SOP cells	
28359	CG3690	CG3690	10.0	0.0	0.0	Not Lethal	yes	no SOP cells	
28403	CG5919	CG5919	0.0	1.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
28552	CG15292	CG15292	8.0	0.0	0.0	Pupal	yes	normal number, size SOP cells	no Pon phenotype
28888	CG8276	bin3	0.0	7.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
28907	CG8489	CG8489	0.0	1.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
28942	CG8725	CSN4	0.0	0.0	2.0	Pupal	yes	too many SOP cells	symmetric Pon in some SOP cells
29674	CG3875	CG3875	8.0	1.0	1.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
29715	CG10570	CG10570	10.0	0.0	0.0	Not Lethal	yes	no SOP cells	
29943	CG9901	Arp14D	2.0	1.0	1.0	Pupal	yes	normal number, size SOP cells	no Pon phenotype
29962	CG9270	CG9270	10.0	0.0	0.0	Not Lethal	yes	no SOP cells	
30274	CG6308	CG6308	9.0	0.0	0.0	Not Lethal	yes	no SOP cells	
30545	CG31612	CG31612	9.0	0.0	0.0	Not Lethal	yes	no SOP cells	
31472	CG11253	CG11253	2.0	0.0	2.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
31473	CG11253	CG11253	0.0	0.0	2.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
31741	CG12352	san	7.0	1.2	0.0	Not Lethal	yes	normal number, size SOP cells	symmetric Pon
31742	CG12352	san	5.0	1.0	0.0	Not Lethal	yes	normal number, size SOP cells	symmetric Pon
32055	CG13652	CG13652	0.0	9.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
32278	CG14544	CG14544	9.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
32279	CG14544	CG14544	8.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
32421	CG5940	CycA	10.0	0.0	0.0	Not Lethal	yes	few SOP cells, big SOP cells	
32767	CG16908	CG16908	10.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
33197	CG4088	lat	7.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
33377	CG18605	CG18605	0.0	9.0	0.0	Pupal	yes	normal number, size SOP cells	no Pon phenotype
34340	CG6235	tws	0.0	0.0	6.0	Not Lethal	yes	small SOP cells	blebbing in pIIb cell
34446	CG32203	BG642378	9.0	0.0	0.0	Not Lethal	yes	no SOP cells	
34953	CG5165	Pgm	9.0	0.0	0.0	Not Lethal	yes	no SOP cells	
35123	CG6838	CG6838	10.0	0.0	0.0	Not Lethal	yes	no SOP cells	
35134	CG6897	Bora	0.0	8.0	0.4	Not Lethal	yes	normal number, size SOP cells	excessive blebbing, very long cell cycle (many cells don't divide), symmetric Pon
35338	CG8094	Hex-C	7.0	1.0	1.0	Not Lethal	yes	normal number, size SOP cells	symmetric Pon in some SOP cells (maybe dead pupa)
35385	CG4412	ATPsyn-Cf6	9.0	0.0	0.0	Pupal	yes	no SOP cells	
35469	CG10108	phyl	9.0	1.0	1.0	Not Lethal	yes	too many SOP cells	symmetric Pon
35489	CG10800	Rca1	10.0	0.0	0.0	Not Lethal	yes	no SOP cells	
35490	CG10800	Rca1	9.0	0.0	0.0	Not Lethal	yes	few SOP cells, big SOP cells	
35583	CG4178	Lsp1beta	10.0	0.0	0.0	Not Lethal	yes	no SOP cells	
35799	CG30321	CG30321	10.0	0.0	0.0	Not Lethal	yes	no SOP cells	
36439	CG5021	CG5021	0.0	0.0	0.2	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
37287	CG3619	Dl	7.0	0.0	0.0	Not Lethal	yes	too many SOP cells	
37288	CG3619	Dl	8.0	0.0	0.0	Not Lethal	yes	too many SOP cells	
37441	CG32136	Tsp68C	0.0	3.0	1.0	Not Lethal	yes	too many SOP cells	size asymmetry defect

Transformant ID	CG Number	Gene Symbol	Loss	Sockets	Dup. Hair	Lethality	Screened?	Live Imaging Phenotype	Time Lapse Information
37534	CG5695	jar	0.0	5.0	0.0	Not Lethal	yes	lethal	
37553	CG7417	Tab2	0.0	0.0	2.0	Pupal	yes	too many SOP cells	
37629	CG5441	dei	0.0	0.0	0.1	Not Lethal	yes	too many SOP cells	
37757	CG14999	RfC40	8.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
37761	CG5313	RfC3	8.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
37762	CG5313	RfC3	6.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
37812	CG11154	ATPsyn-beta	9.0	0.0	0.0	Pupal	yes	small SOP cells	
38003	CG13983	CG13983	0.0	0.0	3.0	Not Lethal	yes	too many SOP cells	
38541	CG11597	CG11597	10.0	0.0	0.0	Not Lethal	yes	no SOP cells	
38963	CG7935	msk	7.0	0.0	0.0	Not Lethal	yes	small SOP cells	
38988	CG32707	APC4	4.0	1.0	0.0	Not Lethal	yes	normal number, size SOP cells	symmetric Pon, long mitosis
38989	CG32707	APC4	4.0	1.0	0.0	Not Lethal	yes	normal number, size SOP cells	symmetric Pon, long mitosis
39830	CG14193	CG14193	3.0	1.0	1.0	Not Lethal	yes	small SOP cells	
40137	CG18214	trio	9.0	0.0	0.0	Not Lethal	yes	few SOP cells	
40236	CG33555	btsz	0.0	6.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
40322	CG7883	eIF2B-alpha	9.0	0.0	0.0	Not Lethal	yes	lethal	
40354	CG6255	CG6255	1.0	0.0	2.0	Not Lethal	yes	too many SOP cells	
40790	CG33554	Nipped-A	5.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	symmetric Pon (weak), spindle orientation defect (strange Pon crescent) in 2 of 3 movi
40877	CG15443	CG15443	9.0	0.0	0.0	Not Lethal	yes	no SOP cells	
40918	CG32848	VAChT	0.0	4.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
41035	CG9895	CG9895	0.0	4.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
41875	CG32315	dlt	8.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
41876	CG32315	dlt	8.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
42211	CG9249	CG9249	8.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
42245	CG10776	wit	9.0	0.0	0.0	Not Lethal	yes	no SOP cells	
42799	CG6627	Dnz1	9.0	0.0	0.0	Not Lethal	yes	no SOP cells	
43082	CG18803	Psn	9.0	1.0	0.0	Not Lethal	yes	too many SOP cells	
43112	CG12265	CG12265	10.0	0.0	0.0	Not Lethal	yes	few SOP cells, big SOP cells	cytokinesis defects
43113	CG12265	CG12265	10.0	0.0	0.0	Not Lethal	yes	few SOP cells, big SOP cells	
43370	CG11446		10.0	0.0	0.0	Pupal	yes	no SOP cells	
43588	CG14549	Sld5	8.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
43751	CG3298	JhI-1	9.0	0.0	0.0	Not Lethal	yes	lethal	
43991	CG33264	Or69a	5.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
44046	CG12366	O-fut1	9.0	0.0	0.0	Not Lethal	yes	too many SOP cells	
44527	CG17579	sca	0.0	2.0	0.0	Not Lethal	yes	too many SOP cells (weak), small SOP cells	
44747	CG30182	CG30182	9.0	0.0	0.0	Adult	yes	normal number, size SOP cells	no dividing SOP cells, symmetric Pon in 2 of 8 movies
45459	CG32315	dlt	8.0	0.0	0.0	Not Lethal	yes	normal number, size SOP cells	no Pon phenotype
48476	CG33688	CG33688	10.0	0.0	0.0	Not Lethal	yes	no SOP cells	
50350	CG8556	Rac2	9.0	0.0	0.0	Not Lethal	yes	lethal	

Table 9. Lineage analysis results

TransformantID	CG Number	Gene Symbol	Loss	Phenotype in Live Imaging Assay	Phenotype in Lineage Staining
3046	CG11282	caps	8.0	normal number, size SOP cells	cell fate transformation, 2 neuron 2 sheath or 3 neuron 1 sheath
3326	CG10657	CG10657	7.0	normal number, size SOP cells	notum too malformed to get good staining
9425	CG31781	CG31781	8.0	normal number, size SOP cells	not tested
10881	CG8142	CG8142	7.0	normal number, size SOP cells	no phenotype - could be differentiation problem
10942	CG1119	Gnf1	8.0	normal number, size SOP cells	less than 4 cells per organ
11245	CG15367	Dip1	9.0	normal number, size SOP cells	less than 4 cells per organ
13661	CG4039	Mcm6	9.0	normal number, size SOP cells	not tested
13762	CG2183	CG2183	8.0	normal number, size SOP cells	cell fate transformation, 2 neuron 2 sheath
17334	CG13623	CG13623	7.0	normal number, size SOP cells	not tested
20849	CG2222	Psf3	9.0	normal number, size SOP cells	less than 4 cells per organ
23335	CG9032	sun	9.0	normal number, size SOP cells	not tested
24253	CG8239	CG8239	7.0	normal number, size SOP cells	no phenotype - could be differentiation problem
27026	CG9596	CG9596	9.0	normal number, size SOP cells	no phenotype - could be differentiation problem
27566	CG6098	Lrr47	9.0	normal number, size SOP cells	less than 4 cells per organ
27567	CG6098	Lrr47	9.0	normal number, size SOP cells	less than 4 cells per organ
28552	CG15292	CG15292	8.0	normal number, size SOP cells	unhealthy cells- weak cut staining, otherwise no phenotype
29674	CG3875	CG3875	8.0	normal number, size SOP cells	cell fate transformation, 2 neuron 2 sheath or 3 neuron 1 sheath
31741	CG12352	san	7.0	normal number, size SOP cells	notum too malformed, potential rare cell fate transformation
32278	CG14544	CG14544	9.0	normal number, size SOP cells	no phenotype - could be differentiation problem
32279	CG14544	CG14544	8.0	normal number, size SOP cells	no phenotype - could be differentiation problem
32767	CG16908	CG16908	10.0	normal number, size SOP cells	cell fate transformation, 2 neuron 2 sheath or 3 neuron 1 sheath
33197	CG4088	lat	7.0	normal number, size SOP cells	less than 4 cells per organ
35338	CG8094	Hex-C	7.0	normal number, size SOP cells	cell fate transformation, 2 neuron 2 sheath or 3 neuron 1 sheath
37757	CG14999	RfC40	8.0	normal number, size SOP cells	no phenotype - could be differentiation problem
37761	CG5313	RfC3	8.0	normal number, size SOP cells	less than 4 cells per organ
41875	CG32315	dlt	8.0	normal number, size SOP cells	unhealthy cells
41876	CG32315	dlt	8.0	normal number, size SOP cells	unhealthy cells
42211	CG9249	CG9249	8.0	normal number, size SOP cells	cell fate transformation, 2 neuron 2 sheath or 3 neuron 1 sheath
43588	CG14549	Sld5	8.0	normal number, size SOP cells	less than 4 cells per organ
44747	CG30182	CG30182	9.0	normal number, size SOP cells	not tested
45459	CG32315	dlt	8.0	normal number, size SOP cells	very few unhealthy cells, otherwise no phenotype

total 27 genes, 31 lines, 5 lines not tested, 6 cell fate transformations

Table 10. Wing prescreen results

This table is continued over two pages.

JM Number	CG number	Gene Symbol	GAL4 line	Temp	Wing margin defects	Wing vein defects	Margin penetrance	Vein penetrance	Lethal?	Comment
74	CG31020	spdo	C96	29	no	no	0/9	0/9	no	
73	CG31020	spdo	C96	29	no	no	0/8	0/8	no	
66	CG3619	Delta	C96	29	rare	yes	2/10	10/10	no	
68	CG3619	Delta	C96	29	rare	often	1/10	6/10	no	
61	CG3779	numb	C96	29	no	rare	0/10	2/10	no	
	CG3936	notch	C96	29	yes	yes	9/9	10/10	no	
	CG5055	baz	C96	29	no	no	0/9	0/9	no	
22	CG5692	raps	C96	29	no	no	0/10	0/10	no	
	CG6897	bora	C96	29	no	no	0/10	0/10	no	
		white minus	C96	29	no	no	0/10	0/10	no	
74	CG31020	spdo	C96	25	no	no	0/9	0/9	no	
73	CG31020	spdo	C96	25	no	no	0/8	0/8	no	
66	CG3619	Delta	C96	25	no	yes	0/10	10/10	no	
68	CG3619	Delta	C96	25	no	often	0/10	8/10	no	
61	CG3779	numb	C96	25	no	no	0/10	0/10	no	
	CG3936	notch	C96	25	yes	yes	10/10	10/10	no	
	CG5055	baz	C96	25	no	no	0/10	0/10	no	
22	CG5692	pins	C96	25	no	no	0/10	0/10	no	
	CG6897	raps	C96	25	not checked	not checked	not checked	not checked	not checked	missing or poor cross
		white minus	C96	25	no	no	0/18	0/18	no	
74	CG31020	spdo	C96	18	no	no	0/10	0/10	no	
73	CG31020	spdo	C96	18	no	no	0/8	0/8	no	
66	CG3619	Delta	C96	18	no	yes	0/10	10/10	no	
68	CG3619	Delta	C96	18	no	often	0/10	9/10	no	
61	CG3779	numb	C96	18	no	no	0/8	0/8	no	
	CG3936	notch	C96	18	yes	often	10/10	8/10	no	
	CG5055	baz	C96	18	no	no	0/10	0/10	no	
22	CG5692	raps	C96	18	no	no	0/10	0/10	no	
	CG6897	bora	C96	18	no	no	0/11	0/11	no	
		white minus	C96	18	no	no	0/13	0/13	no	
74	CG31020	spdo	MS1096	29	no	no	0/9	0/9	no	
73	CG31020	spdo	MS1096	29	no	no	0/11	0/11	no	
66	CG3619	Delta	MS1096	29	no	yes	0/6	6/6	no	
68	CG3619	Delta	MS1096	29	no	yes	0/9	9/9	no	
61	CG3779	numb	MS1096	29	no	no	0/10	0/10	no	
	CG3936	notch	MS1096	29	lethal	lethal	lethal	lethal	lethal	
	CG5055	baz	MS1096	29	no	no	0/9	0/9	no	
22	CG5692	raps	MS1096	29	no	no	0/10	0/10	no	
	CG6897	bora	MS1096	29	no	no	0/10	0/10	no	
		white minus	MS1096	29	no	no	0/10	0/10	no	
74	CG31020	spdo	MS1096	25	no	no	0/10	0/10	no	
73	CG31020	spdo	MS1096	25	no	no	0/7	0/7	no	
66	CG3619	Delta	MS1096	25	no	yes	0/10	10/10	no	
68	CG3619	Delta	MS1096	25	no	yes	0/8	8/8	no	
61	CG3779	numb	MS1096	25	no	no	0/9	0/9	no	
	CG3936	notch	MS1096	25	often	often	2/4	3/5	no	
	CG5055	baz	MS1096	25	no	no	0/6	0/6	no	
22	CG5692	raps	MS1096	25	no	no	0/7	0/7	no	
	CG6897	bora	MS1096	25	no	no	0/7	0/7	no	
		white minus	MS1096	25	no	rare	0/8	1/8 (weak)	no	
74	CG31020	spdo	MS1096	18	no	no	0/5	0/5	no	
73	CG31020	spdo	MS1096	18	no	no	0/10	0/10	no	
66	CG3619	Delta	MS1096	18	rare	yes	1/6	7/7	no	
68	CG3619	Delta	MS1096	18	no	yes	0/8	8/8	no	
61	CG3779	numb	MS1096	18	no	no	0/7	0/7	no	
	CG3936	notch	MS1096	18	yes	yes	2/2	7/7	no	
	CG5055	baz	MS1096	18	no	no	0/9	0/9	no	
22	CG5692	raps	MS1096	18	no	no	0/7	0/7	no	
	CG6897	bora	MS1096	18	no	no	0/9	0/9	no	
		white minus	MS1096	18	no	no	0/10	0/10	no	
74	CG31020	spdo	ptc	29	no	no	0/8	0/8	no	
73	CG31020	spdo	ptc	29	no	no	0/10	0/10	no	
66	CG3619	Delta	ptc	29	no	yes	0/9	9/9	no	
68	CG3619	Delta	ptc	29	rare	yes	3/10	10/10	no	

JM Number	CG number	Gene Symbol	GAL4 line	Temp	Wing margin defects	Wing vein defects	Margin penetrance	Vein penetrance	Lethal?	Comment
61	CG3779	numb	ptc	29	no	no	0/10	0/10	no	
	CG3936	notch	ptc	29	lethal	lethal	lethal	lethal	lethal	
	CG5055	baz	ptc	29	no	no	0/10	0/10	no	
22	CG5692	raps	ptc	29	no	no	0/11	0/11	no	
	CG6897	bora	ptc	29	no	no	0/10	0/10	no	
		white minus	ptc	29	no	no	0/11	0/11	no	
74	CG31020	spdo	ptc	25	no	no	0/7	0/7	no	
73	CG31020	spdo	ptc	25	no	no	0/7	0/7	no	
66	CG3619	Delta	ptc	25	no	yes	0/7	7/7	no	
68	CG3619	Delta	ptc	25	no	yes	0/9	9/9	no	
61	CG3779	numb	ptc	25	rare	no	1 fly / vial	0/8	no	
	CG3936	notch	ptc	25	lethal	lethal	lethal	lethal	lethal	
	CG5055	baz	ptc	25	no	no	0/7	0/7	no	
22	CG5692	raps	ptc	25	no	no	0/9	0/9	no	
	CG6897	bora	ptc	25	no	no	0/8	0/8	no	
		white minus	ptc	25	no	no	0/8	0/8	no	
74	CG31020	spdo	ptc	18	no	no	0/19	0/19	no	
73	CG31020	spdo	ptc	18	no	no	0/20	0/20	no	
68	CG3619	Delta	ptc	18	rare	often	1/20	14/20	no	
66	CG3619	Delta	ptc	18	no	yes	0/10	10/10	no	
61	CG3779	numb	ptc	18	no	no	0/10	0/10	no	
	CG3936	notch	ptc	18	lethal	lethal	lethal	lethal	lethal	
	CG5055	baz	ptc	18	no	no	0/10	0/10	no	
22	CG5692	raps	ptc	18	not checked	not checked	not checked	not checked	not checked	missing or poor cross
	CG6897	bora	ptc	18	no	no	0/10	0/10	no	
		white minus	ptc	18	no	no	0/10	0/10	no	
74	CG31020	spdo	Sd	29	rare	rare	2/9	2/9	no	
73	CG31020	spdo	Sd	29	rare	no	2/10	0/10	no	
68	CG3619	Delta	Sd	29	no	often	0/8	3/4	no	
66	CG3619	Delta	Sd	29	yes	yes	6/6	6/6	no	
61	CG3779	numb	Sd	29	not checked	not checked	not checked	not checked	not checked	missing or poor cross
	CG3936	notch	Sd	29	lethal	lethal	lethal	lethal	lethal	
	CG5055	baz	Sd	29	no	no	0/5	0/5	no	
22	CG5692	raps	Sd	29	not checked	not checked	not checked	not checked	not checked	missing or poor cross
	CG6897	bora	Sd	29	not checked	not checked	not checked	not checked	not checked	missing or poor cross
		white minus	Sd	29	often	no	5/8	0/8	no	
74	CG31020	spdo	Sd	25	no	no	0/21	0/11	no	
73	CG31020	spdo	Sd	25	no	no	0/11	0/11	no	
68	CG3619	Delta	Sd	25	often	yes	14/15	16/16	no	
66	CG3619	Delta	Sd	25	often	yes	7/9	9/9	no	
61	CG3779	numb	Sd	25	no	no	0/9	0/9	no	
	CG3936	notch	Sd	25	no	no	0/8 (small wrinkle)	0/8 (small wrinkle)	no	wings small and too wrinkled
	CG5055	baz	Sd	25	rare	rare	2/10	2/10	no	
22	CG5692	raps	Sd	25	no	no	0/8	0/8	no	
	CG6897	bora	Sd	25	often	rare	5/10	1/10	no	
		white minus	Sd	25	no	no	0/6	0/6	no	
74	CG31020	spdo	Sd	18	no	no	0/2	0/2	no	
73	CG31020	spdo	Sd	18	no	no	0/19	0/19	no	
66	CG3619	Delta	Sd	18	not checked	not checked	not checked	not checked	not checked	missing or poor cross
68	CG3619	Delta	Sd	18	rare	yes	1/7	8/8	no	
61	CG3779	numb	Sd	18	no	no	0/8	0/8	no	
	CG3936	notch	Sd	18	rare	rare	2/6 (small wrinkle)	2/6 (small wrinkle)	no	wings small and too wrinkled
	CG5055	baz	Sd	18	no	no	0/8	0/8	no	
22	CG5692	raps	Sd	18	no	no	0/6	0/6	no	
	CG6897	bora	Sd	18	no	no	0/9	0/9	no	
		white minus	Sd	18	no	no	0/8	0/8	no	

no = phenotype never observed
rare = phenotype observed in some, but less than 50% of wings
often = phenotype obeserved more than or equal to 50%, but not all wings
yes = phenotype always observed

have not distinguished between male and female flies

Table 11. *MS1096*-GAL4 wing assay results

This table is continued over four pages.

Transformant ID	Lateral Inhibition	CG Number	Gene Symbol	Wing Margin Notching	Broad Delta-like Veins	Bent Up (Spoon-shaped) wing	Other wing phenotype or no phenotype	Known N pathway gene	Additional information
938	Yes	CG12676	ed	no	no	no	no phenotype	yes	
969	Yes	CG1804	kek6	no	no	no	wrinkled margin		
1112	Yes	CG3936	N	yes	yes	no	wrinkled	yes	
1474	Yes	CG31678	CG31678	not checked	not checked	not checked			
2495	Yes	CG11592	CG11592	no	no	no	no phenotype		
2575	Yes	CG9964	Cyp309a1	no	no	no	no phenotype		
2942	Yes	CG4952	dac	not checked	not checked	not checked			
3238	Yes	CG4531	argos	no	yes	no			
3335	Yes	CG11956	SP1029	no	no	no	no phenotype		
3336	No	CG11956	SP1029	no	no	no	no phenotype		
3720	Yes	CG3619	Dl	yes	yes	no		yes	
3726	Yes	CG11101	pwn	not checked	not checked	not checked			
3774	Yes	CG10021	bowl	no	no	no	no phenotype		
3861	Yes	CG17928	CG17928	no	no	no	wrinkled margin		
4301	Yes	CG6124	CG6124	no	no	no	no phenotype		
5882	Yes	CG6202	Surf4	not checked	not checked	not checked			
6248	Yes	CG4158	wor	no	yes, weak	no			
6313	Yes	CG6975	gig	no	no	yes	wrinkled		
6315	Yes	CG8384	gro	no	no	no	no phenotype	yes	
6316	Yes	CG8384	gro	no	yes, weak	yes		yes	
7035	Yes	CG2938	CG2938	no	no	no	no phenotype		
7779	Yes	CG14938	crol	not checked	not checked	not checked			
8234	Yes	CG32060	CG32060	no	no	no	no phenotype		
8329	Yes	CG9518	CG9518	no	no	no	additional vein		
8476	Yes	CG1153	Osi7	not checked	not checked	not checked			
8893	Yes	CG4722	bib	no	no	yes	wrinkled	yes	
9075	Yes	CG31292	CG31292	no	no	yes			
9425	Yes	CG31781	CG31781	no	no	yes or lethal			
10133	Yes	CG3443	pcx	no	no	yes			
10639	Yes	CG6146	Top1	no	no	yes			
10662	Yes	CG11988	neur	no	no	no	no phenotype	yes	
11245	Yes	CG15367	Dip1	no	no	no	wrinkled, supernumary trichomes		loss of bristles due to sick or No SOP cells
11257	Yes	CG1007	emc	no	yes	no	wrinkled margin, some ectopic sensory bristl	yes	
11270	Yes	CG3891	CG3891	no	no	yes			
11570	Yes	CG5488	B-H2	no	no	no	no phenotype		
12429	Yes	CG7655	CG7655	no	no	no	no phenotype		loss of bristles due to sick or No SOP cells
12475	Yes	CG33316	CG33316	no	no	yes			
12821	No	CG18332		no	yes, weak	no	necrotic, wrinkled, thinner, sensory bristles on blade		
12822	Yes	CG18332	CSN3	no	no	no			
13041	Yes	CG7631	CG7631	no	no	no	small, wrinkled, ectopic sensory bristles, more veins		
13661	Yes	CG4039	Mcm6	no	no	no	furrows		
13716	Yes	CG4013	Smr	no	no	yes			
13779	Yes	CG9768	hkb	no	no	no	no phenotype		
14099	Yes	CG7454	Or85a	no	no	no	no phenotype		loss of bristles due to sick or No SOP cells
14194	Yes	CG17081	CG17081	no	no	no	no phenotype		loss of bristles due to sick or No SOP cells
14339	Yes	CG32206	CG32206	no	no	no	no phenotype		
14392	Yes	CG7714	CG7714	no	no	no	no phenotype		
14645	Yes	CG15307	CG15307	no	no	no	sprouting vein (L3)		
14684	Yes	CG10491	vn	not checked	not checked	not checked			
14727	Yes	CG31238	CG31238	no	no	yes			
15081	Yes	CG13208	Obp47b	no	no	yes or lethal			
15337	Yes	CG9473	MED6	no	no	no	wrinkled		
15347	Yes	CG9415	Xbp1	no	no	no	small, wrinkled, bubble		
15425	Yes	CG10036	otp	no	no	no	no phenotype		
16039	Yes	CG10210	tst	no	no	no	no phenotype		
16040	Yes	CG10377	Hrb27C	no	no	no	small, wrinkled		
16258	Yes	CG11659	CG11659	no	no	yes	wrinkled		
16371	Yes	CG11940	CG11940	no	no	no	wrinkled		
17043	Yes	CG1216	mri	no	no	no	no phenotype		
17340	Yes	CG14011	CG14011	no	no	no	no phenotype		
17349	Yes	CG14039	qtc	yes	yes	no	bright vein		
17471	Yes	CG14299	CG14299	no	no	no	no phenotype		

Transformant ID	Lateral Inhibition	CG Number	Gene Symbol	Wing Margin Notching	Broad Delta-like Veins	Bent Up (Spoon-shaped) wing	Other wing phenotype or no phenotype	Known N pathway gene	Additional information
17541	Yes	CG11286	CG11286	yes	yes	no			
17690	Yes	CG13708	CG13708	no	no	no	no phenotype		loss of bristles due to sick or No SOP cells
18140	Yes	CG32498	dnc	no	no	yes			
19339	Yes	CG10107	CG10107	no	no	yes			
19428	Yes	CG32717	sdt	yes	yes	yes	furrows		
19490	Yes	CG15439	CG15439	not checked	not checked	not checked			
20105	Yes	CG11053	CG11053	yes	yes	no			
20205	Yes	CG15429	CG15429	no	no	no	no phenotype		loss of bristles due to sick or No SOP cells
20210	Yes	CG8355	sli	no	yes	no			
20799	Yes	CG2091	CG2091	no	no	yes	slightly flattened margin		
20826	Yes	CG2161	Rga	no	no	no	bright broadening of vein, furrows		
20829	Yes	CG2179	Xe7	no	no	yes			
20849	Yes	CG2222	Psf3	no	no	yes	some delaminating, strange pattern of hairs		loss of bristles due to sick or No SOP cells
21435	Yes	CG33205	CG33205	no	no	yes			
21763	Yes	CG2950	CG2950	no	no	no	no phenotype		
22307	Yes	CG6932	CSN6	not checked	not checked	not checked			
22308	Yes	CG6932	CSN6	not checked	not checked	not checked			
22496	Yes	CG6509	CG6509	no	no	no	thinner wing		
22704	Yes	CG6883	trh	no	no	yes			
22763	Yes	CG32021	CG32021	not checked	not checked	not checked			
23091	Yes	CG12333	CG12333	no	no	no	no phenotype		loss of bristles due to sick or No SOP cells
23335	Yes	CG9032	sun	no	no	no			
23675	Yes	CG8021	CG8021	yes	yes	no			
23685	Yes	CG9032	sun	no	no	yes	some wrinkled		
23748	Yes	CG8136	CG8136	yes	yes	yes	thinner wing		
23873	Yes	CG13349	CG13349	no	no	no	no phenotype		
24193	Yes	CG4013	Smr	no	no	yes or lethal			
24481	Yes	CG13827	CG13827	no	no	no	no phenotype		loss of bristles due to sick or No SOP cells
24740	Yes	CG32346	E(bx)	no	no	yes			
24801	Yes	CG32133	CG32133	not checked	not checked	not checked			
25197	Yes	CG15159	CG15159	no	yes	no			
25575	Yes	CG30143	CG30143	not checked	not checked	not checked			
25576	Yes	CG30143	CG30143	no	no	yes			
25620	Yes	CG32732	CG32732	no	no	yes			
25823	Yes	CR33195		no	no	no	small, wrinkled, bubble		
26505	Yes	CG4311	Hmgs	no	no	no	no phenotype		
27026	Yes	CG9596	CG9596	no	no	no	no phenotype		
27035	Yes	CG32676	CG32676	no	no	yes			
27045	Yes	CG15427	tutl	no	no	yes			
27056	Yes	CG17559	dnt	no	no	yes			
27090	Yes	CG10975	Ptp69D	no	no	no	no phenotype		
27165	No	CG1804	kek6	no	no	no	no phenotype		
27187	Yes	CG3619	Dl	yes	yes	no	thinner wing	yes	
27194	Yes	CG31140	CG31140	no	no	yes			
27223	Yes	CG4125	rst	no	no	no	no phenotype		
27228	Yes	CG3936	N	yes	yes	no	small, wrinkled	yes	
27229	Yes	CG3936	N	yes	yes	no	wrinkled	yes	
27526	Yes	CG5841	mib1	yes	yes	no	bubbles, few ectopic sensory bristles on vein	yes	
27566	Yes	CG6098	Lrr47	no	no	no	no phenotype		loss of bristles due to sick or No SOP cells
27567	Yes	CG6098	Lrr47	no	no	no	no phenotype		loss of bristles due to sick or No SOP cells
27577	Yes	CG6315	fl(2)d	no	no	yes			
27578	Yes	CG6315	fl(2)d	no	no	yes			
27625	Yes	CG6444	CG6444	not checked	not checked	not checked			
28243	Yes	CG8472	Cam	no	no	no	small, wrinkled		loss of bristles due to sick or No SOP cells
28247	Yes	CG8765	CG8765	no	no	no	no phenotype		loss of bristles due to sick or No SOP cells
28359	Yes	CG3690	CG3690	no	no	no	no phenotype		
28758	Yes	CG17060	Rab10	no	no	no	no phenotype		
28908	Yes	CG8489	CG8489	no	no	no	no phenotype		
28941	Yes	CG8725	CSN4	not checked	not checked	not checked			
28942	Yes	CG8725	CSN4	no	no	yes			
29193	Yes	CG30470	CG30470	no	no	yes	small, wrinkled		
29542	Yes	CG10107	CG10107	no	no	yes			

Transformant ID	Lateral Inhibition	CG Number	Gene Symbol	Wing Margin Notching	Broad Delta-like Veins	Bent Up (Spoon-shaped) wing	Other wing phenotype or no phenotype	Known N pathway gene	Additional information
29715	Yes	CG10570	CG10570	no	no	no	no phenotype		loss of bristles due to sick or No SOP cells
29962	Yes	CG9270	CG9270	no	no	no	no phenotype		loss of bristles due to sick or No SOP cells
30274	Yes	CG6308	CG6308	no	no	no	no phenotype		
30545	Yes	CG31612	CG31612	no	no	no	no phenotype		
31121	Yes	CG12065	CG12065	no	no	no	no phenotype		
31898	Yes	CG12818	CG12818	no	no	no	no phenotype		
32194	Yes	CG13472	CG13472	no	no	yes			
32275	Yes	CG33203	CG33203	no	no	yes			
32278	Yes	CG14544	CG14544	no	no	no	no phenotype		
32421	Yes	CG5940	CycA	no	no	no	small, wrinkled, tufts of trichomes		
32767	Yes	CG16908	CG16908	no	no	yes			
33509	Yes	CG2257	Ubc-E2H	no	no	yes, inverted			
33510	Yes	CG2257	Ubc-E2H	no	no	yes, inverted	necrotic, wrinkled		
33739	Yes	CG31007	CG31007	no	yes	no			
33844	Yes	CG16713	CG16713	not checked	not checked	not checked			
33846	No	CG16713	CG16713	no	no	no	no phenotype		
34136	Yes	CG5674	CG5674	not checked	not checked	not checked			
34362	Yes	CG6889	tara	no	no	no	no phenotype		
34408	Yes	CG32130	stv	no	yes, weak	yes			
34446	Yes	CG32203	BG642378	no	no	no	no phenotype		
34719	Yes	CG3845	l(2)01424	no	no	yes	wrinkled		
34727	Yes	CG3889	CSN1b	not checked	not checked	not checked			
34893	Yes	CG4733	CG4733	not checked	not checked	not checked			
34894	Yes	CG4733	CG4733	no	no	yes			
34953	Yes	CG5165	Pgm	no	no	no	no phenotype		loss of bristles due to sick or No SOP cells
35123	Yes	CG6838	CG6838	no	no	no	no phenotype		loss of bristles due to sick or No SOP cells
35385	Yes	CG4412	ATPsyn-Cf6	no	no	no	small, wrinkled, stick together		loss of bristles due to sick or No SOP cells
35469	Yes	CG10108	phyl	not checked	not checked	not checked			
35489	Yes	CG10800	Rca1	yes	yes	no	small, wrinkled		loss of bristles due to sick or No SOP cells
35490	Yes	CG10800	Rca1	yes	yes	no	small, wrinkled		loss of bristles due to sick or No SOP cells
35583	Yes	CG4178	Lsp1beta	no	no	no	no phenotype		
35799	Yes	CG30321	CG30321	no	no	no	no phenotype		loss of bristles due to sick or No SOP cells
35922	Yes	CG8386	CG8386	no	no	no			
37287	Yes	CG3619	Dl	yes	yes	no	bubbles, wrinkled	yes	
37288	Yes	CG3619	Dl	yes	yes	no	bubbles, wrinkled	yes	
37441	Yes	CG32136	Tsp68C	yes	yes	no	small, wrinkled, ectopic sensory bristles on blade		
37553	Yes	CG7417	Tab2	no	no	no	no phenotype		
37555	Yes	CG7417	Tab2	no	no	no	no phenotype		
37812	Yes	CG11154	ATPsyn-beta	no	no	no	no phenotype		
37975	Yes	CG8946	Sply	no	no	no	no phenotype		
37988	Yes	CG6453	CG6453	no	no	no	no phenotype		
38003	Yes	CG13983	CG13983	no	no	no	no phenotype		
38233	Yes	CG8355	sli	no	yes	no			
38541	Yes	CG11597	CG11597	no	no	no	no phenotype		loss of bristles due to sick or No SOP cells
38854	Yes	CG31012	CG31012	no	no	no	no phenotype		
39205	Yes	CG9802	Cap	no	yes	yes	small, wrinkled, ectopic sensory bristles on blade, supernumary trichomes		
39686	Yes	CG11286	CG11286	yes	yes	no			
40024	Yes	CG15753	CG15753	no	no	yes			
40137	Yes	CG18214	trio	no	no	no	no phenotype		
40207	Yes	CG31122	CG31122	no	no	no	no phenotype		
40322	Yes	CG7883	eIF2B-alpha	no	no	yes	small, wing margin is less brown and seems narrower		
40354	Yes	CG6255	CG6255	no	no	no	no phenotype		
40631	Yes	CG10975	Ptp69D	no	no	yes	darker margin		
40691	Yes	CG2038	CSN7	not checked	not checked	not checked			
40837	Yes	CG9194	CG9194	no	no	no	no phenotype		
40877	Yes	CG15443	CG15443	no	no	no	no phenotype		loss of bristles due to sick or No SOP cells
41397	Yes	CG5953	CG5953	no	no	yes			
41437	Yes	CG5362	CG5362	no	no	yes	wrinkled		
41858	Yes	CG7015	Unr	no	no	yes			
42182	Yes	CG8994	exu	no	no	no	no phenotype		
42245	Yes	CG10776	wit	no	no	yes	parts of L4 are missing, but n is too low to tell for sure		loss of bristles due to sick or No SOP cells
42799	Yes	CG6627	Dnz1	no	no	no	no phenotype		loss of bristles due to sick or No SOP cells

Transformant ID	Lateral Inhibition	CG Number	Gene Symbol	Wing Margin Notching	Broad Delta-like Veins	Bent Up (Spoon-shaped) wing	Other wing phenotype or no phenotype	Known N pathway gene	Additional information
43082	Yes	CG18803	Psn	no	yes	yes		yes	
43112	Yes	CG12265	CG12265	no	no	no	no phenotype		
43113	Yes	CG12265	CG12265	yes	yes	no	small, wrinkled, tufts of trichomes		
43370	Yes	CG11446		no	no	yes			loss of bristles due to sick or No SOP cells
43402	Yes	CG15330	CG15330	no	no	no	no phenotype		
43430	Yes	CG31389	CG31389	no	no	no	no phenotype		
43649	Yes	CG7668	CG7668	no	yes	yes	ecopic bristles on wing, marginal sensory bristles partially deformed		
43751	Yes	CG3298	Jhl-1	no	no	no	necrotic		
43848	Yes	CG13586	itp	no	no	yes			
43880	Yes	CG30023	sprt	no	no	yes			
44046	Yes	CG12366	O-fut1	yes	yes	no	small, wrinkled	yes	
44064	Yes	CG14624	CG14624	no	yes	yes			
44065	Yes	CG14624	CG14624	no	no	no	no phenotype		
44747	Yes	CG30182	CG30182	no	no	yes or lethal			
45013	Yes	CG10954	Arc-p34	no	no	yes			
45071	Yes	CG15340		no	no	yes	thinner wing		
45414	Yes	CG14011	CG14011	no	no	yes	thinner wing		
45569	Yes	CG5608	CG5608	yes	yes	no			
45652	Yes	CG32047		not checked	not checked	not checked			
45670	Yes	CG17779		no	no	yes			
45761	Yes	CG9924	CG9924	no	no	no	no phenotype		
45988	Yes	CG8743	CG8743	no	no	yes	larger		
45989	Yes	CG8743	CG8743	no	no	yes			
46043	Yes	CG18582	mbt	no	yes	no	flattened border		
46044	Yes	CG18582	mbt	no	no	no			
46248	No	CG12818	CG12818	no	no	no	no phenotype		
47834	Yes	CG33324	CG33324	no	yes	no			
47835	Yes	CG33324	CG33324	no	yes	no	thinner wing		
48476	Yes	CG33688	CG33688	no	no	no	sprouting vein (L4)		
48786	Yes	CG11637	CG11637	no	no	no	no phenotype		
50350	Yes	CG8556	Rac2	no	no	no	no phenotype		
50497	Yes	CG33270	CG33270	no	no	no	small, wrinkled		
50566	Yes	CG13383	CSN8	not checked	not checked	not checked			

Present	Screened	
219 lines	196 lines	23 lines not screened
187 genes	169 genes	

Notes on Nomenclature

notched margin	invagination of the wing margin, but excluding invaginations near ectopic vein material
wider vein	wider delta-like-vein phenotypes, classified as weak if the widening is only near the wing margin
bent up	wings bent dorsally
bent up or lethal	wings bent dorsally or lethal (could not distinguish between Cyo and non Cyo flies in the same vial)
bent down	wings bent ventrally
wrinkled	wings have a general wrinkled structure/appearance
furrow	wings have wrinkled proximal-distal "furrows" but are not generally wrinkled
wrinkled margin	wings have wrinkled wing margins, but are not generally wrinkled
blistered wings	wings have bubbles between the epithelial layers
necrotic	wings have brown patches of necrotic-looking tissue
tufts of trichomes	wings have multiple trichomes (wing hairs) arranged in tufts
supernumary trichomes	wings have a general increase in the density of trichomes (wing hairs)
ectopic brislte	wings have ectopic structures on the wing blade resembling wing margin bristles
size	wings are grossly smaller or larger than control wings (subjective, not quantified)

Colour Key

	Line is not classified as Lateral Inhibition yes, but another line with the same CG number is
	no phenotype
	phenotype
	weak or ambiguous phenotype
no colour	not tested

Table 12. Su(H)-lacZ reporter assay results

Transformant ID	Lateral Inhibition	CG Number	Gene Symbol	Positive in Su(H) reporter assay	Notched wing margin	Wider Wing Veins
11257	Yes	CG1007	emc	no	no	wider veins (weak)
35489	Yes	CG10800	Rca1	no	notched margin	wider veins
35490	Yes	CG10800	Rca1	no	notched margin	wider veins
20105	Yes	CG11053	CG11053	yes	notched margin	wider veins
17541	Yes	CG11286	CG11286	yes	notched margin	wider veins
39686	Yes	CG11286	CG11286	yes	notched margin	wider veins
43113	Yes	CG12265	CG12265	no	notched margin	wider veins
44046	Yes	CG12366	O-fut1	yes	notched margin	wider veins
17349	Yes	CG14039	qtc	no	notched margin	wider veins
44064	Yes	CG14624	CG14624	no	no	wider veins
25197	Yes	CG15159	CG15159	no	no	wider veins (weak)
12821	No	CG18332	CSN3	no	no	wider veins
46043	Yes	CG18582	mbt	no	no	wider veins (weak)
43082	Yes	CG18803	Psn	no	no	wider veins
33739	Yes	CG31007	CG31007	no	no	wider veins (weak)
34408	Yes	CG32130	stv	no	no	wider veins (weak)
37441	Yes	CG32136	Tsp68C	no	notched margin	wider veins
19428	Yes	CG32717	sdt	no	notched margin	wider veins (weak)
47834	Yes	CG33324	CG33324	no	no	wider veins
47835	Yes	CG33324	CG33324	no	no	wider veins
3720	Yes	CG3619	Dl	no	notched margin	wider veins
27187	Yes	CG3619	Dl	no	notched margin	wider veins
37288	Yes	CG3619	Dl	no	notched margin	wider veins
37287	Yes	CG3619	Dl	not tested	notched margin	wider veins
1112	Yes	CG3936	N	yes	notched margin	wider veins
27228	Yes	CG3936	N	yes	notched margin	wider veins
27229	Yes	CG3936	N	yes	notched margin	wider veins
6248	Yes	CG4158	wor	no	no	wider veins (weak)
3238	Yes	CG4531	argos	no	no	wider veins
45569	Yes	CG5608	CG5608	yes	notched margin	wider veins
27526	Yes	CG5841	mib1	yes	notched margin	wider veins
43649	Yes	CG7668	CG7668	no	no	wider veins
23675	Yes	CG8021	CG8021	yes	notched margin	wider veins
23748	Yes	CG8136	CG8136	yes	notched margin	wider veins
20210	Yes	CG8355	sli	no	no	wider veins (weak)
38233	Yes	CG8355	sli	no	no	wider veins (weak)
6316	Yes	CG8384	gro	no	no	wider veins (weak)
39205	Yes	CG9802	Cap	no	no	wider veins

Present	Screened
38 lines	37 lines
29 genes	29 genes

Colour Key

	Line is not classified as Lateral Inhibition yes, but another line with the same CG number is
	no phenotype
	phenotype
	weak phenotype
no colour	not tested

Table 13. APC/C subunit RNAi bristle screen phenotypes

APC/C Gene	Phenotype in Primary Bristle Screen
APC1/shtd (CG9198)	notum malformation, bristle morphology defects
APC2/mr (CG3060)	notum malformation, loss, bristle morphology defects
cdc27/APC3/mks (CG8610)	notum malformation
APC4 (CG4350)	notum malformation, sockets, twinning, loss, bristle morphology defects
ida/APC5 (CG10850)	notum malformation, loss, bristle morphology defects
cdc16/APC6 (CG6759)	notum malformation, loss
APC7 (CG14444)	no phenotype
cdc23/APC8 (CG2508)	not screened
Doc1/APC10 (CG11419)	notum malformation, loss, bristle morphology defects
APC11/lmg (CG18042)	not screened
Cdh1/Hct1/fzr/rap (CG3000)	notum malformation, sockets, bristle morphology defects
cdc20/fzy (CG4274)	lethal, notum malformation, bristle morphology defects

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Contributions

The following colleagues contributed to this work:

The primary genome-wide RNAi screen (notum data in Fig. 3, 8ab, 9a, 11, 12, 17b, Tables 2, 2b) and live imaging screens (Fig. 4b, 5, 8c, 9bcd, Tables 8, 9) were performed together by the author and Masakazu Yamazaki, who also contributed the data in Fig. 17c, and supervised construction of the custom second RNAi line collection. Thomas Stoeger contributed the wing and wing-disc data in Fig. 11, 12 and 13 and Tables 10, 11 and 12. Maria Novatchkova provided Bioinformatics support and contributed data for Fig. 14, 15, 16, and 17ad, together with Masakazu Yamazaki and the author. Sheetal Bhalerao made significant contributions to the creation of and Doris Chen designed the primer sequences for cloning constructs for custom second UAS-RNAi transgenic flies. Georg Dietzl and Barry J. Dickson provided transgenic fly stocks from the RNAi library prior to publication and made valuable suggestions for RNAi screening strategies. The author designed the primary screen, conducted the bristle pre-screen (Table 1), generated the constructs and fly stocks used in the live cell imaging assay, created the initial custom database used during the bristle screen, contributed the data for Fig. 2a-e, 6, 7 10, 17e-h and 18, Table 6, and wrote the manuscript with strong contributions from Masakazu Yamazaki in the Materials and Methods section.

Publications

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