**Table S2. Genes that are misregulated in response to both TIP60E431Q and TIP60WT.**

|  |  |  |
| --- | --- | --- |
| **Probe Seta** | **Gene Nameb** | **Proposed Function** |
| 1635824\_at | Tip60 | Histone Acetyltransferase |
| 1624926\_at | CG13557 | unknown |
| 1624543\_s\_at | - | unknown |
| 1631056\_at | CG17742 | unknown |
| 1633819\_at | - | unknown |
| 1628911\_at | - | unknown |
| 1634098\_at | - | unknown |
| 1641383\_s\_at | - | Protein Folding |
| 1641162\_at | CG31859 | unknown |
| 1626697\_at | - | unknown |
| 1632849\_at | No optic lobe | Phosphate transport; neuroblast proliferation |
| 1630310\_at | CG32751 | Nitrogen compound metabolic process |
| 1624897\_at | Lethal(1)G0237 | Chromosome segregation; mitotic metaphase plate congression |
| 1631414\_at | CG11313 | proteolysis |
| 1636402\_at | CG10081 | proteolysis |
| 1624805\_at | CG31041 | unknown |
| 1629934\_at | CG14219 | unknown |
| 1627551\_s\_at | Attacin///attacin | Immune response; antibacterial humoral response |
| 1640884\_at | CG15784 | unknown |
| 1632504\_at | CG17637 | Transport; tetracycline transport; response to antibiotic |
| 1637886\_at | CG10339 | Transport |
| 1623215\_at | - | unknown |