**Supplemental table 1:** Number or reads accrued by contigs 10x overexpressed in female salivary glands when compared to male salivary glands

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Class** | **Number of Contigs** | **Number of Reads** | **Reads / contig** | **% Total** |
| Secreted | 276 | 54,616,224 | 197,884.9 | **91.78** |
| Protein modification machinery | 5 | 48,370 | 9,674.0 | 0.08 |
| Transporters/storage | 7 | 351,878 | 50,268.3 | 0.59 |
| Metabolism, carbohydrate | 2 | 133,819 | 66,909.5 | 0.22 |
| Metabolism, amino acid | 2 | 141,539 | 70,769.5 | 0.24 |
| Signal transduction | 3 | 8,731 | 2,910.3 | 0.01 |
| Extracellular matrix/cell adhesion | 19 | 80,074 | 4,214.4 | 0.13 |
| Transposable element | 8 | 42,486 | 5,310.8 | 0.07 |
| Unknown | 50 | 503,896 | 10,077.9 | 0.85 |
| Unknown, conserved | 27 | 3,580,073 | 132,595.3 | 6.02 |
|  |  |  |  |  |
| **Total** | 399 | 59,507,090 |  | 100 |

**Supplemental table 2:** Number or reads accrued by contigs of the secreted class 10x overexpressed in female salivary glands when compared to male salivary glands

|  |  |  |  |
| --- | --- | --- | --- |
| **Class** | **Number of Contigs** | **Number of Reads** | **% Total** |
| **Enzymes** |  |  |  |
|  Endonuclease | 2 | 142,411 | 0.26 |
|  Hyaluronidase | 3 | 117,580 | 0.22 |
|  Serine Protease | 1 | 211,694 | 0.39 |
|  Apyrase/5'nucleotidase | 13 | 633,998 | 1.16 |
|  Adenosine deaminase | 2 | 161,628 | 0.30 |
|  Lipase | 2 | 391,152 | 0.72 |
|  Sphingomyelinase | 3 | 338,379 | 0.62 |
| **Protease inhibitors** | 5 | 727,345 | 1.33 |
| **Antigen 5 related** | 4 | 1,399,649 | 2.56 |
| **Nematocera protein families** |  |  |  |
|  D7 protein family | 32 | 24,200,992 | **44.31** |
|  16.7 kDa/WRP family | 82 | 17,268,078 | **31.62** |
|  9.7 kDa culicine family | 23 | 1,314,933 | 2.41 |
|  Aegyptin/30kDa antigen family | 5 | 1,167,301 | 2.14 |
|  Hyp37 | 6 | 1,147,683 | 2.10 |
|  gSG5 family | 14 | 919,806 | 1.68 |
|  62/34 kDa culicine family  | 11 | 714,557 | 1.31 |
|  Culex 10-14 family | 3 | 640,984 | 1.17 |
|  Mucins | 7 | 616,284 | 1.13 |
|  SGS1 family | 15 | 425,182 | 0.78 |
|  4.2 kDa peptide | 5 | 373,336 | 0.68 |
|  20.2 Culex family | 4 | 115,461 | 0.21 |
|  Proline rich salivary peptide  | 4 | 87,942 | 0.16 |
|  gSG8 family | 4 | 71,973 | 0.13 |
| **Unknown, secreted** | 26 | 1,427,876 | 2.61 |
|  |  |  |  |
| **Total** | 276 | 54,616,224 | 100 |