

S3Table. Differentially expressed IMRGs in Pirk-like^{-/-} and WT mosquito fat bodies with *E. cloacae* infection.

Genes with a minimum fold change of 2-fold and a false discovery rate-adjusted p-value (q-value) of < 0.05 were considered differentially expressed.

| GeneID | Pirk-like ^{-/-} _Ec12h | Pirk-like ^{-/-} _Ec24h | Pirk-like ^{-/-} _PBS12h | Pirk-like ^{-/-} _PBS24h | WT_Ec12h | WT_Ec24h | WT_PBS12h | WT_PBS24h | GeneName |
|------------|---------------------------------|---------------------------------|----------------------------------|----------------------------------|-------------|-------------|--------------|--------------|----------|
| AAELO02585 | 90.7867 | 185.073 | 81.03 | 127.97 | 30.21 67 | 64.10 67 | 15.153 3 | 29.186 7 | CLIPA11 |
| AAELO03253 | 11.6867 | 11.5233 | 25.2133 | 6.28667 | 9.35 | 11.13 33 | 4.7133 3 | 15.513 3 | CLIPB13B |
| AAELO14349 | 55.0733 | 171.327 | 39.4667 | 51.74 | 21.49 33 | 20.55 67 | 10.81 | 12.7 | CLIPB15 |
| AAELO06674 | 72.2267 | 225.323 | 57.0767 | 156.03 | 63.17 33 | 212.1 4 | 27.94 | 187.91 7 | CLIPB29 |
| AAELO03632 | 4.03667 | 18.16 | 11.9667 | 7.91333 | 7.173 33 | 1.876 67 | 3.4 | 1.2666 7 | CLIPB39 |
| AAELO06168 | 87.0067 | 59.15 | 89.7867 | 52.97 | 70.61 33 | 27.25 33 | 35.116 7 | 10.776 7 | CLIPB42 |
| AAELO05093 | 39.0433 | 124.873 | 46.4633 | 55.5 | 13.55 33 | 29.94 | 4.4133 3 | 9.58 | CLIPB46 |
| AAELO00224 | 0.153333 | 0.076666 7 | 0.106667 | 0.0266667 | 2.46 | 5.256 67 | 0.7366 67 | 7.3766 7 | CLIPD7 |
| AAELO14141 | 19.2467 | 35.43 | 32.0333 | 34.0767 | 23.76 | 31.90 33 | 10.11 | 19.323 3 | SRPN5 |
| AAELO06568 | 6.68333 | 20.8333 | 0.54 | 3.82333 | 37.42 67 | 947.3 63 | 140.76 7 | 1035.7 3 | SRPN |
| AAELO29047 | 577.217 | 847.22 | 411.823 | 419.527 | 25.87 67 | 61.72 67 | 1.9 | 0.9366 67 | CECN |
| AAELO03857 | 1016.31 | 1132.89 | 432.797 | 1302.59 | 56.27 | 406.3 73 | 1.52 | 0.9 | DEFD |
| AAELO03832 | 272.027 | 156.347 | 40.6833 | 9.13333 | 16.19 33 | 48.62 33 | 0.7266 67 | 0.53 | DEFC |
| AAELO27792 | 94.3 | 164.06 | 71.43 | 127.217 | 3.793 33 | 200.5 63 | 1.8433 3 | 0.1633 33 | DEFE |
| AAELO05641 | 211.58 | 753.74 | 217.437 | 182.887 | 34.63 33 | 118.5 5 | 6.0966 7 | 2.0766 7 | CTLGA5 |
| AAELO11621 | 3.69333 | 5.74 | 4.85667 | 2.42667 | 1.846 67 | 1.75 | 0.9266 67 | 1.4866 7 | CTLMA13 |
| AAELO19633 | 7.12333 | 5.31333 | 3.47667 | 3.57 | 1.91 | 1.603 33 | 0.87 | 0.99 | CTLGA9 |
| AAELO02524 | 11.0733 | 12.4633 | 6.97667 | 8.33 | 2.96 | 15.49 33 | 1.4433 3 | 4.0966 7 | CTL24 |
| AAELO00563 | 3.79667 | 1.74 | 3.65 | 2.86 | 6.266 67 | 7.86 | 2.5166 7 | 7.6766 7 | CTLMA15 |
| AAELO15404 | 57.2533 | 98.2667 | 105.79 | 37.2167 | 41.57 33 | 27.23 | 15.92 | 24.816 7 | LYSC7B |

| | | | | | | | | | |
|----------------|----------|----------|----------|----------|--------------|-------------|--------------|--------------|--------|
| AAELO 15404 | 57.2533 | 98.2667 | 105.79 | 37.2167 | 41.57 33 | 27.23 | 15.92 | 24.816 7 | LYSC7A |
| AAELO 09474 | 173.01 | 175.823 | 60.7233 | 99.69 | 37.96 67 | 38.48 33 | 14.613 3 | 7.3133 3 | PGRPS1 |
| AAELO 10171 | 7.18 | 65.3367 | 3.04333 | 9.79333 | 1.8 | 3.803 33 | 0.83 | 1.4033 3 | PGRPLB |
| AAELO 14896 | 0.38 | 0.396667 | 0.31 | 1.08667 | 0.706 667 | 0.3 | 0.1666 67 | 0.4933 33 | TOLL9B |
| AAELO 15019 | 1.14333 | 2.68667 | 1.65333 | 0.95 | 2.503 33 | 10.55 | 1.12 | 3.42 | TOLL4 |
| AAELO 26478 | 0.463333 | 0.81 | 0.556667 | 0.92 | 1.23 | 1.903 33 | 2.8166 7 | 1.02 | TOLL2 |
| AAELO 11009 | 1.34667 | 2.06667 | 1.01667 | 0.713333 | 1.666 67 | 0.85 | 0.7533 33 | 0.7533 33 | FREP13 |
| AAELO 06704 | 466.607 | 927.803 | 78.7533 | 89.0133 | 123.1 83 | 1.28 | 2.51 | 0.1666 67 | FREP18 |
| AAELO 19868 | 21.2433 | 32.85 | 14.11 | 13.1 | 7.486 67 | 10.27 67 | 2.1533 3 | 1.9533 3 | FREP17 |
| AAELO 11009 | 1.34667 | 2.06667 | 1.01667 | 0.713333 | 1.666 67 | 0.85 | 0.7533 33 | 0.7533 33 | FREP8 |