**Supplementary File 9: Phagocytosis vs phagocytosis inhibited with EDTA on P. canaliculata hemocytes**

Results of negative binomial regression analysis comparing cluster relative abundance between phagocytosis samples (CTV-S. aureus) vs phagocytosis inhibited with EDTA samples (CTV-S. aureus + EDTA) in the apple snail P. canaliculata phagocytosis experiment. FC is Fold Change, CPM is Count Per Million, LR is Likelihood Ratio, FDR is Fold Discovery Rate. Relative graph is reported in Figure 5B.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Cluster ID** | **logFC** | **logCPM** | **LR** | **PValue** | **FDR** |
| *Pc*1\_P | 1.21972 | 16.42389 | 23.86393 | 1.0E-06 | 4.1E-06 |
| *Pc*2\_P | 1.52130 | 16.31424 | 23.42745 | 1.3E-06 | 4.3E-06 |
| *Pc*5\_P | 3.50692 | 11.96025 | 19.19534 | 1.2E-05 | 2.6E-05 |
| *Pc*6\_P | 2.00062 | 13.66811 | 21.45211 | 3.6E-06 | 9.1E-06 |
| *Pc*7\_P | 1.17845 | 15.71918 | 15.65951 | 7.6E-05 | 1.5E-04 |
| *Pc*8\_P | 0.91220 | 14.51336 | 5.60883 | 1.8E-02 | 2.4E-02 |
| *Pc*9\_P | 1.91957 | 14.24789 | 21.73770 | 3.1E-06 | 8.9E-06 |
| *Pc*10\_P | -0.95771 | 16.55159 | 15.15146 | 9.9E-05 | 1.8E-04 |
| *Pc*11\_P | -2.21453 | 17.04466 | 66.60728 | 3.3E-16 | 6.6E-15 |
| *Pc*12\_P | 1.92022 | 13.48376 | 27.01612 | 2.0E-07 | 1.0E-06 |
| *Pc*13\_P | 1.15586 | 13.78276 | 11.69042 | 6.3E-04 | 9.7E-04 |
| *Pc*14\_P | 1.74206 | 17.72100 | 51.24411 | 8.2E-13 | 5.4E-12 |
| *Pc*16\_P | 1.64586 | 13.23961 | 10.80603 | 1.0E-03 | 1.4E-03 |
| *Pc*17\_P | 3.13469 | 13.98527 | 55.58824 | 8.9E-14 | 8.9E-13 |
| *Pc*20\_P | -0.82885 | 16.67206 | 12.56812 | 3.9E-04 | 6.5E-04 |