|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Gene | Sample sizes | Contrast | | Estimate | df | t-ratio | p-value |
| Treatment 1 | Treatment 2 |
| *Cactus* | nnormal*+*sucrose =9 nnormal*+*virus =6  nvirus*+*sucrose =7 nvirus*+*virus =6 | normal + sucrose | normal+ virus | -7.4 | 24 | -1.91 | 0.25 |
| normal+ sucrose | starved+ sucrose | -10.68 | 24 | -2.64 | 0.06 |
| **normal + sucrose** | **starved+ virus** | -15.49 | 24 | -3.83 | **0.004** |
| normal + virus | starved+ sucrose | -3.28 | 24 | -0.77 | 0.87 |
| normal + virus | starved+ virus | -8.09 | 24 | -1.90 | 0.26 |
| starved + sucrose | starved+ virus | -4.81 | 24 | -1.09 | 0.70 |
| *Dicer* | nnormal*+*sucrose =9 nnormal*+*virus =9  nstarved*+*sucrose =8 nstarved*+*virus =9 | normal + sucrose | normal+ virus | -1.5 | 31 | -1.58 | 0.40 |
| normal+ sucrose | starved+ sucrose | -0.47 | 31 | -0.48 | 0.96 |
| normal + sucrose | starved+ virus | -2.20 | 31 | -2.31 | 0.12 |
| normal + virus | starved+ sucrose | 1.03 | 31 | -2.31 | 0.72 |
| normal + virus | starved+ virus | -0.69 | 31 | -0.73 | 0.88 |
| starved + sucrose | starved+ virus | -1.73 | 31 | -1.76 | 0.31 |
| *Hopscotch* | nnormal*+*sucrose =9 nnormal*+*virus =9  nstarved*+*sucrose =7 nstarved*+*virus =9 | normal + sucrose | normal+ virus | -0.59 | 30 | -1.66 | 0.34 |
| normal+ sucrose | starved+ sucrose | -0.47 | 30 | -1.24 | 0.60 |
| **normal + sucrose** | **starved+ virus** | -1.08 | 30 | -3.08 | 0.**02** |
| normal + virus | starved+ sucrose | 0.13 | 30 | 0.34 | 0.99 |
| normal + virus | starved+ virus | -0.49 | 30 | -1.38 | 0.52 |
| starved + sucrose | starved+ virus | -0.62 | 30 | -1.64 | 0.38 |
| *Hymenoptaecin* | nnormal*+*sucrose =9 nnormal*+*virus =9  nstarved*+*sucrose =8 nstarved*+*virus =9 | normal + sucrose | normal+ virus | -1.40 | 31 | -1.17 | 0.65 |
| normal+ sucrose | starved+ sucrose | -2.59 | 31 | -2.09 | 0.18 |
| **normal + sucrose** | **starved+ virus** | -3.38 | 31 | -2.82 | **0.04** |
| normal + virus | starved+ sucrose | -1.19 | 31 | -0.96 | 0.77 |
| normal + virus | starved+ virus | -1.98 | 31 | -1.65 | 0.37 |
| starved + sucrose | starved+ virus | -0.79 | 31 | -0.64 | 0.92 |
| *Vitellogenin* | nnormal*+*sucrose =9 nnormal*+*virus =7  nstarved*+*sucrose =8 nstarved*+*virus =9 | normal + sucrose | normal+ virus | -3.48 | 29 | -0.94 | 0.78 |
| normal+ sucrose | starved+ sucrose | -6.01 | 29 | -1.67 | 0.35 |
| normal + sucrose | starved+ virus | -8.22 | 29 | -2.39 | 0.10 |
| normal + virus | starved+ sucrose | -2.52 | 29 | -0.67 | 0.91 |
| normal + virus | starved+ virus | -4.73 | 29 | -1.28 | 0.58 |
| starved + sucrose | starved+ virus | -2.21 | 29 | -0.62 | 0.92 |

Supplemental Table 1. Post-hoc comparisons of gene expression of immunity genes from acute larval starvation experiment. Significant contrasts are in bold. P-values adjusted using the Tukey method. Degrees-of-freedom obtained with the Kenward-Roger method.