**Supplementary Table 3:** Summary of arithmetic means ± SD and results of Mann-Whitney U tests comparing qPCR transcriptional relative quantities of different nutrient transport-associated genes in pigs exposed to adult A. suum worms or total ES, trans-cuticular ES and CSO antigen as well as respective control pigs. Significant differences as determined by Mann–Whitney U test are printed in bold. Abbreviations: ES, excretory-secretory antigen; CSO, cuticular somatic antigen.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **gene** | **control** | **adult *A. suum***  | **Mann-Whitney U test** | **control**  | **total ES**  | **Mann-Whitney U test** | **trans-cuticular ES** | **Mann-Whitney U test** | **CSO**  | **Mann-Whitney U test** |
| **Duodenum** |  |  | **U** | ***P*** |  |  | **U** | ***P*** |  | **U** | ***P*** |  | **U** | ***P*** |
| **SGLT1** | 1.34 ± 0.66 | 1.16 ± 0.51 | 16.0 | 0.818 | 0.81 ± 0.30 | 1.72 ± 1.32 | 10.0 | 0.240 | 0.64 ± 0.34 | 13.0 | 0.485 | 1.45 ± 0.35 | 2.0 | **0.009** |
| **GLUT1** | 0.95 ± 0.23 | 1.63 ± 0.50 | 4.0 | **0.026** | 0.44 ± 0.63 | 0.93 ± 0.43 | 6.0 | 0.065 | 2.86 ± 1.19 | 1.0 | **0.004** | 1.97 ± 1.20 | 4.0 | **0.026** |
| **GLUT2** | 1.31 ± 0.43 | 1.33 ± 0.24 | 16.0 | 0.818 | 0.58 ± 0.52 | 1.06 ± 0.44 | 5.0 | **0.041** | 0.89 ± 0.29 | 8.0 | 0.132 | 2.08 ± 1.36 | 2.0 | **0.009** |
| **Hif1α** | 7.22 ± 2.66 | 6.75 ± 2.43 | 17.0 | 0.937 | 0.09 ± 0.06 | 0.16 ± 0.07 | 8.0 | 0.132 | 2.13 ± 0.49 | 0.0 | **0.002** | 1.25 ± 0.70 | 0.0 | **0.002** |
| **IL-4** | 0.33 ± 0.05 | 0.59 ± 0.32 | 6.0 | 0.065 | 2.33 ± 0.77 | 3.82 ± 2.09 | 10.0 | 0.240 | 0.42 ± 0.26 | 0.0 | **0.002** | 3.00 ± 2.24 | 17.0 | 0.937 |
| **IL-13** | 1.09 ± 0.39 | 1.18 ± 0.35 | 15.0 | 0.699 | 1.89 ± 2.12 | 3.88 ± 5.36 | 12.0 | 0.394 | 0.78 ± 0.60 | 13.0 | 0.485 | 0.83 ± 0.40 | 15.0 | 0.699 |
| **STAT6** | 0.42 ± 0.23 | 0.90 ± 0.30 | 4.0 | **0.026** | 0.55 ± 0.55 | 1.13 ± 0.14 | 6.0 | 0.065 | 2.83 ± 0.62 | 0.0 | **0.002** | 3.65 ± 1.44 | 1.0 | **0.004** |
| **PepT1** | 4.30 ± 2.20 | 3.79 ± 2.56 | 15.0 | 0.699 | 0.16 ± 0.16 | 0.33 ± 0.21 | 7.0 | 0.093 | 1.28 ± 0.34 | 0.0 | **0.002** | 2.52 ± 1.09 | 0.0 | **0.002** |
| **Jejunum** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **SGLT1** | 1.00 ± 0.70 | 0.83 ± 0.52 | 16.0 | 0.818 | 0.60 ± 0.12 | 1.84 ± 0.43 | 0.0 | **0.002** | 0.96 ± 0.80 | 13.0 | 0.485 | 1.26 ± 0.69 | 6.0 | 0.065 |
| **GLUT1** | 1.43 ± 0.35 | 0.22 ± 0.09 | 0.0 | **0.002** | 1.24 ± 0.45 | 3.60 ± 0.80 | 1.0 | **0.004** | 2.64 ± 2.23 | 13.0 | 0.485 | 2.49 ± 1.42 | 9.0 | 0.180 |
| **GLUT2** | 0.71 ± 0.31 | 0.6 ± 0.18 | 14.0 | 0.589 | 0.70 ± 0.34 | 2.01 ± 0.49 | 1.0 | **0.004** | 1.28 ± 0.68 | 10.0 | 0.240 | 1.77 ± 0.84 | 5.0 | **0.041** |
| **Hif1α** | 1.83 ± 1.22 | 0.16 ± 0.05 | 0.0 | **0.002** | 1.09 ± 0.23 | 2.43 ± 0.68 | 0.0 | **0.002** | 0.54 ± 0.36 | 3.0 | **0.015** | 0.86 ± 0.48 | 12.0 | 0.394 |
| **IL-4** | 0.35 ± 0.10 | 5.82 ± 5.83 | 0.0 | **0.002** | 0.91 ± 0.42 | 0.76 ± 0.44 | 15.0 | 0.699 | 0.50 ± 0.47 | 10.0 | 0.240 | 2.13 ± 2.10 | 11.0 | 0.310 |
| **IL-13** | 0.55 ± 0.32 | 0.92 ± 0.82 | 15.0 | 0.699 | 1.31 ± 0.39 | 3.28 ± 2.16 | 6.0 | 0.065 | 6.08 ± 4.08 | 3.0 | **0.015** | 5.00 ± 2.10 | 2.0 | **0.009** |
| **STAT6** | 0.86 ± 0.41 | 0.11 ± 0.07 | 1.0 | **0.004** | 1.78 ± 1.86 | 2.31 ± 0.48 | 6.0 | 0.065 | 2.10 ± 1.94 | 14.0 | 0.589 | 2.18 ± 1.64 | 14.0 | 0.589 |
| **PepT1** | 3.07 ± 2.58 | 0.10 ± 0.04 | 0.0 | **0.002** | 1.74 ± 0.79 | 3.66 ± 1.69 | 4.0 | **0.026** | 0.74 ± 0.60 | 5.0 | **0.041** | 1.64 ± 1.66 | 11.0 | 0.310 |
| **Ileum** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **SGLT1** | 0.77 ± 0.31 | 1.21 ± 0.55 | 9.0 | 0.180 | 1.21 ± 0.28 | 0.93 ± 0.36 | 14.0 | 0.589 | 1.39 ± 0.55 | 12.0 | 0.394 | 1.15 ± 0.93 | 16.0 | 0.818 |
| **GLUT1** | 1.48 ± 0.75 | 1.35 ± 0.38 | 15.0 | 0.699 | 1.26 ± 0.37 | 0.86 ± 0.38 | 8.0 | 0.132 | 0.39 ± 0.27 | 0.0 | **0.002** | 0.78 ± 0.70 | 10.0 | 0.240 |
| **GLUT2** | 1.10 ± 0.43 | 1.42 ± 0.37 | 12.0 | 0.394 | 0.78 ± 0.06 | 1.18 ± 0.48 | 6.0 | 0.065 | 1.11 ± 0.81 | 18.0 | > 0.999 | 1.40 ± 0.89 | 11.0 | 0.310 |
| **Hif1α** | 1.85 ± 1.49 | 0.96 ± 0.40 | 14.0 | 0.589 | 1.86 ± 0.74 | 0.87 ± 0.60 | 6.0 | 0.065 | 0.28 ± 0.19 | 0.0 | **0.002** | 0.62 ± 0.56 | 4.0 | **0.026** |
| **IL-4** | 6.04 ± 4.12 | 1.29 ± 0.88 | 2.0 | **0.009** | 5.84 ± 3.55 | 1.96 ± 2.67 | 5.0 | **0.041** | 2.96 ± 4.24 | 7.0 | 0.093 | 0.66 ± 0.49 | 1.0 | **0.004** |
| **IL-13** | 0.31 ± 0.11 | 1.68 ± 2.31 | 4.0 | **0.026** | 0.10 ± 0.06 | 0.79 ± 0.38 | 0.0 | **0.002** | 40.74 ± 84.86 | 0.0 | **0.002** | 20.44 ± 25.10 | 0.0 | **0.002** |
| **STAT6** | 1.63 ± 1.20 | 0.64 ± 0.28 | 11.0 | 0.310 | 3.13 ± 1.10 | 1.37 ± 0.53 | 3.0 | **0.015** | 0.42 ± 0.22 | 0.0 | **0.002** | 1.07 ± 0.69 | 2.0 | **0.009** |
| **PepT1** | 1.59 ± 1.17 | 0.73 ± 0.53 | 10.0 | 0.240 | 3.24 ± 1.49 | 1.60 ± 1.05 | 7.0 | 0.093 | 0.43 ± 0.34 | 0.0 | **0.002** | 0.88 ± 0.81 | 2.0 | **0.009** |