**Supplementary Table 2:** Summary of arithmetic means ± SD and results of Mann-Whitney U tests comparing functional measurements of the Ussing chamber short-circuit currents (∆Isc) and calculated 3H-glucose net flux rates (Jnet) 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; glygln, glycyl-l-glutamine.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **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** |
|  |  |  | **U** | ***P*** |  |  | **U** | ***P*** |  | **U** | ***P*** |  | **U** | ***P*** |
| **Duodenum** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **∆Isc glucose** | 0.90 ± 0.74 | 1.20 ± 0.66 | 12.0 | 0.394 | 1.26 ± 0.58 | 3.22 ± 2.11 | 4.0 | **0.026** | 1.42 ± 0.89 | 15.0 | 0.699 | 1.65 ± 0.74 | 11.0 | 0.310 |
| **∆Isc alanine** | 0.50 ± 0.46 | 0.75 ± 0.70 | 12.5 | 0.420 | 0.42 ± 0.29 | 2.38 ± 1.94 | 4.0 | **0.026** | 0.95 ± 0.63 | 10.0 | 0.240 | 1.34 ± 0.80 | 3.0 | **0.015** |
| **∆Isc glygln** | 0.75 ± 0.79 | 0.40 ± 0.49 | 11.0 | 0.310 | 0.36 ± 0.16 | 1.52 ± 1.11 | 2.0 | **0.009** | 0.26 ± 0.25 | 10.0 | 0.225 | 1.23 ± 1.07 | 8.0 | 0.121 |
| **Jnet glucose** | 281.50 ± 277.20 | 330.50 ± 222.70 | 15.0 | 0.699 | 266.10 ± 169.30 | 1060.00 ± 643.00 | 4.0 | **0.026** | 341.40 ± 309.50 | 18.0 | >0.999 | 590.30 ± 352.50 | 8.0 | 0.132 |
| **Jejunum** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **∆Isc glucose** | 2.31 ± 1.36 | 3.19 ± 1.84 | 13.0 | 0.485 | 2.79 ± 1.92 | 4.05 ± 2.42 | 12.0 | 0.394 | 2.84 ± 1.16 | 16.0 | 0.818 | 4.36 ± 0.77 | 11.0 | 0.310 |
| **∆Isc alanine** | 0.86 ± 0.55 | 1.89 ± 0.87 | 6.0 | 0.065 | 1.08 ± 0.93 | 3.29 ± 1.39 | 3.0 | **0.015** | 2.39 ± 1.16 | 7.0 | 0.093 | 3.65 ± 1.00 | 0.0 | **0.002** |
| **∆Isc glygln** | 1.41 ± 0.89 | 1.43 ± 0.94 | 17.5 | 0.974 | 1.44 ± 0.85 | 3.47 ± 1.49 | 3.0 | **0.015** | 1.69 ± 0.95 | 15.0 | 0.699 | 3.62 ± 1.31 | 0.0 | **0.002** |
| **Jnet glucose** | 999.00 ± 721.30 | 1132.00 ± 701.00 | 16.0 | 0.818 | 862.70 ± 675.50 | 1084.00 ± 627.20 | 13.0 | 0.485 | 897.40 ± 351.90 | 15.0 | 0.699 | 1492.00 ± 384.20 | 7.0 | 0.093 |
| **Ileum** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **∆Isc glucose** | 7.25 ± 1.61 | 7.09 ± 1.63 | 18.0 | >0.999 | 7.81 ± 1.80 | 6.76 ± 2.85 | 15.0 | 0.699 | 5.72 ± 2.29 | 9.0 | 0.180 | 5.99 ± 2.61 | 9.0 | 0.180 |
| **∆Isc alanine** | 2.57 ± 0.49 | 2.37 ± 1.02 | 16.0 | 0.818 | 2.96 ± 0.65 | 2.69 ± 1.37 | 17.0 | 0.937 | 2.28 ± 1.10 | 13.0 | 0.485 | 2.41 ± 1.31 | 10.0 | 0.240 |
| **∆Isc glygln** | 1.56 ± 0.38 | 1.41 ± 0.56 | 14.0 | 0.589 | 1.46 ± 0.44 | 1.51 ± 0.86 | 16.0 | 0.818 | 1.07 ± 0.44 | 11.0 | 0.310 | 1.33 ± 0.63 | 15.0 | 0.699 |
| **Jnet glucose** | 1877.00 ± 464.20 | 1579.00 ± 277.40 | 13.0 | 0.485 | 2026.00 ± 415.40 | 1404.00 ± 571.10 | 7.0 | 0.093 | 1472.00 ± 508.20 | 6.0 | 0.065 | 1335.00 ± 522.90 | 5.0 | **0.041** |