**Supplementary Table 4**

The gene expression in distal intestine of Atlantic salmon between treatments.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Functions | Immunity | | | | Tissue remodelling | Stress |
|  | *il1β*  (10-1) | *il10*  (10-2) | *gilt* | *myd88* | *pcna*  (10-1) | *hsp70* |
| One-Way ANOVA | | | | | | |
| P (model) | 0.083 | 0.33 | 0.053 | 0.59 | 0.76 | 0.86 |
| Pooled SEM | 0.17 | 0.72 | 1.39 | 0.07 | 0.26 | 1.2 |
| Means values | | | | | | |
| FW-Ref | 1.0 | 3.2 | 15.3 | 0.8 | 2.5 | 18 |
| FW-Test | 1.5 | 2.9 | 14.1 | 0.8 | 2.4 | 18 |
| SW-Ref | 0.7 | 1.9 | 17.9 | 0.7 | 2.8 | 18 |
| SW-Test | 0.9 | 2.9 | 16.2 | 0.8 | 2.9 | 19 |

Abbreviation: il1β, Interleukin-1 beta; il10, Interleukin 10; gilt, Gamma-interferon-inducible lysosomal thiol reductase; myd88, Myeloid differentiation factor 88; pcna, Proliferating Cell Nuclear Antigen; hsp70, Heat shock protein 70.