**Supplementary Table 6**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | *il1β*(10-3) | *tgfβ*(10-3) | *cd3γδ* (10-3) | *zo-1*(10-2) | *claudin-15*(10-2) | *claudin-25b*(10-2) | hsp70 | *aqp8ab*(10-1) | *fabp2b*(10-2) | *hmgcr*(10-2) | *apoa1* |
| One-Way ANOVA |
| P (model) | 0.67 | 0.06 | 0.06 | 0.39 | 0.20 | 0.48 | 0.80 | 0.094 | 0.14 | 0.16 | 0.61 |
| Polled SEM | 0.47 | 0.22 | 1.7 | 0.29 | 1.0 | 0.42 | 0.11 | 1.14 | 1.49 | 0.13 | 0.06 |
| Means values |
| FW-Ref | 1.7 | 1.5 | 10.5 | 2.7 | 5.7 | 2.3 | 1.4 | 1.1 | 4.7 | 1.7 | 2.6 |
| FW-Test | 2.7 | 1.8 | 12.7 | 2.8 | 6.7 | 2.6 | 1.6 | 1.1 | 6.7 | 1.9 | 2.5 |
| SW-Ref | 2.3 | 1.8 | 10.0 | 3.0 | 6.8 | 3.2 | 1.4 | 1.5 | 9.6 | 2.1 | 2.5 |
| SW-Test | 2.3 | 1.6 | 8.8 | 2.6 | 7.3 | 3.5 | 1.5 | 1.6 | 9.2 | 2.3 | 2.5 |

The gene expression in pyloric caeca of Atlantic salmon between treatments.

Abbreviation: il1β, Interleukin-1 beta; tgfβ, Transforming Growth Factor-beta; cd3γδ, Cluster of differentiation 3 γδ; zo-1, tight junction protein 1; claudin-15, Claudin 15; claudin-25b, Cladin 25b; hsp70, Heat shock protein 70; aqp8ab, Aquaporin-8 ab; fabp2b, fatty acid binding protein 2b; hmgcr, 3-hydroxy-3-methylglutaryl-CoA reductase; apoa1, apolipoprotein A-1.