Table S1. Amino acid content (%) of the control and experimental diets (4 mm)

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| **Amino Acids (%)** | **CONTROL DIET** | **EXPERIMENTAL DIETS** |
| Taurin | 0.20 | 0.05 |
| Aspartic acid | 3.84 | 3.16 |
| Threonine | 1.74 | 1.81 |
| Serine | 2.05 | 2.08 |
| Glutamic Acid | 9.00 | 10.05 |
| Glycine | 2.28 | 2.67 |
| Alanine | 2.35 | 2.29 |
| Valine | 2.18 | 2.01 |
| Isoleucine | 2.02 | 1.84 |
| Leucine | 3.60 | 3.63 |
| Tyrosine | 1.53 | 1.51 |
| Phenylalanine | 2.19 | 2.16 |
| Histidine | 1.13 | 1.24 |
| Hydroxylysine | < 0.01 | < 0.01 |
| Ornithine | < 0.01 | < 0.01 |
| Lysine | 3.01 | 2.91 |
| Ammonium | 3.32 | 3.62 |
| Proline | 2.86 | 3.36 |