**Table S2.** **Amino acid profiles for the control and the innovative feeds used in the experiment (in %).**

|  |  |  |
| --- | --- | --- |
| **%** | **Control diet** | **Innovative diet** |
| Lysine | 7.7 | 7 |
| Arginine | 6.2 | 5.4 |
| Histidine | 1.3 | 1.3 |
| Glycine | 7.9 | 5.7 |
| Serine | 5.5 | 6.5 |
| Alanine | 7.2 | 6.2 |
| Threonine | 3.7 | 3.9 |
| Glutamic acid | 14.1 | 17.5 |
| Aspartic acid | 9.6 | 9.5 |
| Proline | 7.7 | 8.8 |
| Valine | 5.3 | 5.2 |
| Methionine | 1.5 | 1 |
| Tyrosine | 3.1 | 3 |
| Isoleucine | 4.3 | 4.1 |
| Leucine | 9.5 | 9.7 |
| Phenylalanine | 5.4 | 5.2 |