**Table S1**. **Chemical composition (%) of the two feeds used in the experiment (control and innovative) according to AOAC 1995 analysis protocols.**

|  |  |  |
| --- | --- | --- |
| **Chemical composition (%)** | **Control diet** | **Innovative diet** |
| Crude protein | 45 | 45 |
| Crude fat | 16 | 16 |
| Crude fiber | 2.5 | 2.4 |
| Ash | 8 | 7.3 |
| Moisture | 8.5 | 8.5 |
| Phosphorus | 1 | 1.1 |
| Calcium | 1.5 | 0.8 |
| Sodium | 0.22 | 0.17 |
| **Additives (per 1 kg)** |  |  |
| Vitamin A (I.U) | 10 | 10 |
| Vitamin D3 (I.U) | 2 | 2 |
| Vitamin E (mg) | 250 | 400 |
| Choline chloride (mg) | 750 | 1250 |
| Vitamin C (mg) | 550 | 500 |
| Zinc (mg) | 60 | 60 |
| Manganese (mg) | 35 | 35 |
| Copper (mg) | 7 | 7 |
| Iron (mg) | 70 | 70 |
| Iodine (mg) | 6 | 6 |
| Butylated hydroxytoluene (mg) | 45 | 45.4 |
| Butylated hydroxyanisole (mg) | 29.7 | 30.1 |
| Citric acid (mg) | 30 | 30 |
| Lecithins | Not present | Present |