**Supplemental Table 1: Ingredients and contents of indispensable amino acids in the experimental diets**

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| --- | --- | --- |
|  | **Control Diet** | **Baked Salmon Diet** |
| Ingredients (g/kg diet) |  |  |
| Casein protein1 | 216.2 | 162.2 |
| Freeze dried baked salmon2 | - | 100.0 |
| Cornstarch | 512.0 | 466.0 |
| Sucrose | 90.0 | 90.0 |
| Cellulose | 50.0 | 50.0 |
| Soybean Oil | 70.0 | 70.0 |
| t-Butylhydroquinone | 0.014 | 0.014 |
| Mineral Mix (AIN-93-MX) | 35.0 | 35.0 |
| Vitamin Mix (AIN-93-VX) | 10.0 | 10.0 |
| L-Methionine | 1.60 | 1.60 |
| L-Cystine | 3.0 | 3.0 |
| Choline Bitartrate3 | 2.5 | 2.5 |
| Growth and Maintenance Supplement4 | 10.0 | 10.0 |
| Amino acids (g/kg diet) |  |  |
| Arginine | 6.4 | 7.9 |
| Histidine | 5.1 | 5.6 |
| Isoleucine | 9.2 | 10.0 |
| Leucine | 16.0 | 17.0 |
| Lysine | 14.0 | 16.0 |
| Methionine | 6.4 | 7.6 |
| Phenylalanine | 9.1 | 9.7 |
| Threonine | 7.2 | 8.0 |
| Tryptophan | 2.5 | 2.5 |
| Valine | 12.0 | 13.0 |

1 contains 92.5 % crude protein  
2 contains 50 % crude protein

3 contains 41 % choline  
4 contains vitamin B12 (40 mg/kg) and vitamin K1 (25 mg/kg) mixed with sucrose (995 g/kg) and dextrose (5 g/kg).

ND, not detected. Means of two measurements; deviations were <5% between parallels.