**Supplementary Table S1**. Nutrient comparison of the maternal Control and High Fat Diet.

|  |  |  |
| --- | --- | --- |
|  | **Control Diet**  TD.140790 | **High Fat Diet**  TD.130957 |
| **Dietary Component** | **g/kg or (mg/kg)** | **g/kg or (mg/kg)** |
| Casein | 200 | 240 |
| L-Cystine | 3 | 3.6 |
| Corn Starch | 394.336 | 93.626 |
| Maltodextrin | 132 | 132 |
| **Sucrose** | **100** | **200** |
| **Lard** | **0** | **150** |
| Mineral Mix, AIN-93G-MX (94046) | 35 | 42 |
| Calcium Phosphate, dibasic | 3 | 3.6 |
| Calcium Carbonate | 1 | 1.2 |
| Ferric Citrate | 0.2 | 0.24 |
| Vitamin Mix, AIN-93-VX (94047) | 10 | 12 |
| Choline Chloride (85% Choline) | 1.35 | 1.62 |
| Folic Acid | (2) | (2.4) |
| Vitamin B12 (0.1% in mannitol) | (0.025) | (0.03) |
| Betaine, anhydrous | 0 | 0 |
| **Total (g)** | 1000 | 1000 |
|  | % by wt | % by wt |
| **Protein** | 17.7 | 21.2 |
| **CHO** | 58.8 | 43.1 |
| **Fat** | 7.2 | 22.2 |
| **Kcal/g** | 3.7 | 4.6 |
|  | % kcal from | % kcal from |
| **Protein** | 19.1 | 18.6 |
| **CHO** | 63.4 | 37.7 |
| **Fat** | 17.5 | 43.8 |