**Supplementary file 2**

**Lean group nutritional composition**

Diet name: Mini pig, Special Diet Services (SDS), Essex, United Kingdom

| **Diet** | **Standard SDS** |
| --- | --- |
| Carbohydrates (%) | 74.6 |
| Protein (%) | 18.6 |
| Fat (%) | 6.8 |
| Fructose (%) | 5.5 (all sugars) |
| Cholesterol (ppm) | ~ 0 |
| Methionine (ppm) | 1800 |
| Choline (ppm) | 784 |

Percentages are of total energy content; *ppm* parts per million

**Obese group diet composition**

| **Diet** | **Obese diet** |
| --- | --- |
| Wheat (%) | 5.000 |
| Barley mix (50% Winter / 50% Spring) for sows (%) | 5.000 |
| Oat (%) | 12.398 |
| Fructose (%) | 23.246 |
| Beet pellets, pulp (%) | 6.000 |
| Feed chalk (%) | 3.136 |
| Mono calcium phosphate 22.7/16 (%) | 2.677 |
| Soy oil (%) | 3.000 |
| Pork fat (%) | 20.933 |
| Cholesterol (%) | 0.500 |
| Standard mineral, single (%) | 18.110 |
| ***Total*** | ***100.000*** |