

**Supplemental Table 1**      Diet Composition

	Control diet	High fat diet
<b>Ingredients (%)</b>		
Casein	21.5	26.51
Choline bitartrate	0.24	0.30
L-Cystine	0.32	0.40
Lard	0	18
Rice Starch	32.44	18.43
Cellulose	5	6.16
Soya oil	3.5	4.32
Sucrose	32.5	20.3
Mineral mix	3.5	4.3
Vitamin mix	1	1.2
<b>Total</b>	<b>100%</b>	<b>100%</b>
<b>Fatty acids (%)</b>		
C12:0 (lauric acid)	0.07	0.03
C14:0 (myristic acid)	0.12	0.29
C16:0 (palmitic acid)	0.22	4.04
C18:0 (stearic acid)	0.13	1.8
C14:1 (myristoleic acid)	0.01	0.02
C16:1 (palmitoleic acid)	0.07	0.03
C18:1 (oleic acid)	0.66	6.06
C18:2 (linoleic acid)	1.26	3.53
C18:3 (linolenic acid)	0.22	0.37
C20:4 (arachidonic acid)	0.01	0.01
C22:5 (clupanodonic acid)	0	0
<b>Amino acids (%)</b>		
Arginine	0.55	0.69
Lysine	1.11	1.37
Methionine	0.43	0.53
Cysteine	0.35	0.42
Tryptophan	0.16	0.19
Histidine	0.4	0.49
Threonine	0.61	0.75
Isoleucine	0.88	1.09
Leucine	1.33	1.64
Phenylalanine	0.73	0.9
Valine	1.06	1.3
Tyrosine	0.73	0.9
Taurine	0	0
Glycine	0.7	0.85
Aspartic acid	0.99	1.22
Glutamic acid	2.87	3.53
Proline	1.2	1.47
Serine	0.66	0.82

Alanine	0.56	0.69
<b>Macro minerals (%)</b>		
Calcium	0.46	0.59
Total Phosphorus	0.18	0.35
Sodium	0.12	0.15
Chloride	0.22	0.26
Potassium	0.46	0.42
Magnesium	0.06	0.08
<b>Micro minerals</b>		
Iron (mg/kg)	44.99	55.7
Copper (mg/kg)	6.67	8.22
Manganese (mg/kg)	10.13	12.22
Zinc (mg/kg)	54.63	64.67
Cobalt (µg/kg)	0	0
Iodine (µg/kg)	194.04	238.95
Selenium (µg/kg)	138.13	185.09
<b>Vitamins</b>		
Vitamin A (iu/kg)	3758.61	4628.65
Vitamin D (3) (iu/kg)	2151.81	2822.23
Vitamin E (iu/kg)	74.09	94.46
Vitamin B1 (mg/kg)	5.61	5.73
Vitamin B2 (mg/kg)	4.86	5.98
Vitamin B6 (mg/kg)	6.53	6.7
Vitamin B12 (µg/kg)	23.49	28.93
Vitamin C (mg/kg)	0	0
Vitamin K (mg/kg)	0.68	0.89
Folic acid (mg/kg)	1.88	2.22
Nicotinic acid (mg/kg)	27.91	34.37
Pantothenic acid (mg/kg)	13.74	17.33
Choline (mg/kg)	926.94	1248.4
Inositol (mg/kg)	0	0
Biotin (µg/kg)	187.93	231.43