

**Supplementary Table 1.** Detailed composition of the experimental diets, based on the AIN-93M

<b>Nutrients (g)</b>	<b>Diets</b>	
	<b>C</b>	<b>HF</b>
Casein ( $\geq$ protein 85%)	140.0	175.0
Corn starch	620.7	347.7
Sucrose	100.0	100.0
Lard	---	238.0
Soy oil	40.0	40.0
Fibers	50.0	50.0
Vitamin mix*	10.0	10.0
Minerals mix*	35.0	35.0
Cystein	1.8	1.8
Choline	2.5	2.5
Antioxidant	0.008	0.060
<b>Total (g)</b>	<b>1000</b>	<b>1000</b>
Energy (Kcal)	3802.8	5000
Carbohydrate (% energy)	76	36
Protein (% energy)	14	14
Lipid (% energy)	10	50

Abbreviations: AIN-93M (American Institute of Nutrition-93 dietary recommendations for rodents at the maintenance phase); C (control diet); HF (high-fat diet)

\* Mineral and vitamin mixtures followed strictly the AIN-93M's recommendations.