

**Supplemental Table. 1 composition of experimental diet**

Macronutrient	Mass (%)	Energy (%)
Protein	22	22.9
Carbohydrate	63	65.4
Fat	5	11.7
Ingredient	Mass (g)	Energy (kcal)
Casein	220	880
Corn oil	50	450
Cornstarch	430	1720
Sucrose	200	800
Cellulose	50	
Mineral mix	35	
Vitamin mix	10	
Methionine	3	
Choline bitartrate	2	
Total	1000	3850