

Supplementary Table S1. Formulation of mouse diets

		15% HP	7.5% HP	15% SC	15% Sumac
Ingredient	gm	gm	gm	gm	gm
Casein	200	176.7	188.3	183.2	178.5
DL-Methionine	3	3	3	3	3
Corn Starch	150	44.5	97.1	40.5	44.2
Sucrose	500	500	500	500	500
Percent of total carbohydrates from sorghum bran	0 %	16.2%	8.13%	16.8%	16.3%
Cellulose	50	35.6	42.8	36.8	43.7
High Phenolic (HP) Sorghum Bran	0	150	75.2	0	0
SC84 (SC) Sorghum Bran	0	0	0	150	0
Sumac Sorghum Bran	0	0	0	0	150.8
Corn Oil	50	42.5	46.2	41.3	40.2
Mineral Mix S10001	35	35	35	35	35
Vitamin Mix V10001	10	10	10	10	10
Choline Bitartrate	2	2	2	2	2
FD&C Yellow Dye #5	0	0	0	0.025	0.05
FD&C Red Dye #40	0	0.05	0.025	0.025	0
FD&C Blue Dye #1	0	0	0.025	0	0

Total	1000	999.35	999.65	1001.85	1007.45
High Phenolic Sorghum Bran (gm%)	0%	15.00%	7.50%	0%	0%
SC Sorghum Bran (gm%)	0%	0%	0%	15.00%	0%
Sumac Sorghum Bran (gm%)	0%	0%	0%	0%	15.00%
Protein	177	177	177	177	177
Carbohydrate	660	660	660	660	660
Sugar	510	510	510	510	510
Fat	50	50	50	50	50
Fiber	50	50	50	50	50
Protein	17.7	17.7	17.7	17.7	17.6
Carbohydrate	66	66	66	65.9	65.5
Fat	5	5	5	5	5
Fiber	5	5	5	5	5
Protein	708	708	708	708	708
Carbohydrate	2640	2640	2640	2640	2640
Fat	450	450	450	450	450
Total	3798	3798	3798	3798	3798
Protein	19	19	19	19	19
Carbohydrate	70	70	70	70	70
Fat	12	12	12	12	12
kcal / gm	3.8	3.8	3.8	3.79	3.77

gm = gram