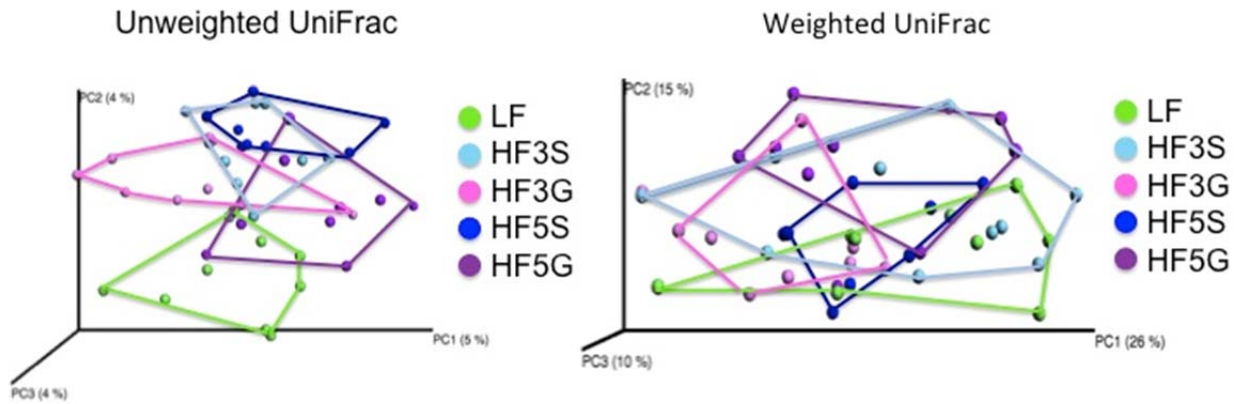


Supplemental Figure 1. PCoA plots of Unweighted and Weighted UniFrac Distances.



Supplemental Figure 1. PCoA plots of unweighted and Weighted UniFrac distances. LF, low fat; 3S, high fat diet containing 3% sugar; 3G high fat diet containing 3% grapes; 5S, high fat diet containing 5% sugar; 5G, high fat diet containing 5% grapes.

Supplemental Table 1. Diet Formulation

Table 1. Formula for low fat (LF) and high fat (HF) diets with or without grape powder (G)											
Product #	LF		HFG3		HFS3		HFG5		HFS5		
Ingredient	gm	kcal	gm	kcal	gm	kcal	gm	kcal	gm	kcal	
Casein	200	800	200	800	200	800	200	800	200	800	
L-Cystine	3	12	3	12	3	12	3	12	3	12	
Corn Starch	506.2	2025	194	776	194	776	194	776	194	776	
Maltodextrin 10	125	500	94	376	94	376	94	376	94	376	
Fructose	0	0	0	0	13.3	53	0	0	21.9	88	
Dextrose, anhydrous	0	0	0	0	13.3	53	0	0	21.9	88	
Sucrose	68.8	275	154	616	154	616	139	556	139	556	
Cellulose, BW200	50	0	50	0	50	0	50	0	50	0	
Soybean Oil	25	225	12	108	12	108	12	108	12	108	
Butter	0	0	144	1296	144	1296	144	1296	144	1296	
Lard	20	180	0	0	0	0	0	0	0	0	
Mineral Mix, S10026	10	0	10	0	10	0	10	0	10	0	
DiCalcium Phosphate	13	0	13	0	13	0	13	0	13	0	
Calcium Carbonate	5.5	0	5.5	0	5.5	0	5.5	0	5.5	0	
Potassium Citrate, 1 H2O	16.5	0	16.5	0	16.5	0	16.5	0	16.5	0	
Vitamin Mix, V10001	10	40	10	40	10	40	10	40	10	40	
Choline Bitartrate	2	0	2	0	2	0	2	0	2	0	
Grape powder	0	0	28.5	103	0	0	47	169	0	0	
FD&C Yellow Dye #5	0.025	0	0.03	0	0	0	0.05	0	0	0	
FD&C Red Dye #40	0.025	0	0	0	0.03	0	0	0	0.05	0	
FD&C Blue Dye #1	0	0	0.03	0	0.03	0	0	0	0	0	
Total	1055	4057	937	4127	935	4130	940	4133	937	4140	
total fat, kcal%		10.0		33.3		33.4		33.3		33.3	
sat. fat, kcal%		2.3		20.3		20.3		20.3		20.3	
monounsatur. fat, kcal%		3.0		10.1		10.2		10.1		10.1	
polyunsatur. fat, kcal%		4.7		2.9		2.9		2.9		2.9	
trans fat, kcal%		0.0		1.1		1.1		1.1		1.1	
added sugars, kcal%		8.0		16.6		16.6		16.6		16.6	

LF, low fat; 3S, high fat diet containing 3% sugar; 3G high fat diet containing 3% grapes; 5S, high fat diet containing 5% sugar; 5G, high fat diet containing 5% grapes.