

significantly different microbial metabolic pathways



Supplemental Table 1. Dietary components of customized experimental diets: high-fat/high fructose (FFLC) and high-fructose/low fat (HF).

Dietary Component	kcal/kg		g/kg	
	FFLC	HF	FFLC	HF
Casein	602.87	787.6	168.4	220
L-Arginine	4.88	4	1.22	1
L-Tryptophan	5.368	4.4	1.34	1.1
Fructose	1572.42	2280	413.79	600
Cellulose	0	0	58.5	70.9
Corn oil	472.86	540	52.54	60
Beef Tallow	2227.14	0	247.46	0
Mineral mix #260001	37.57	0	42.7	35
Vitamin mix #360001	47.58	39.4	12.2	10
Choline Bitartrate	0	0	1.342	2
Cholesterol	0	0	0.5	0
Total	4970.7	3655.4	1000	1000

Control diet (Chow) represents the PicoLab Mouse diet 20 5058* which is a proprietary diet. The product datasheet can be found at:

https://www.labdiet.com/cs/groups/lolweb/@labdiet/documents/web_content/mdrf/mdi4/~edisp/ducum04_028435.pdf