

Supplementary Table 1. Control Diet Nutrient Profile

Purina Mills #5038: Monkey Diet

Nitrogen-Free Extract		59.30%	Minerals		
Starch		42.40%	Ash	5.30%	
Glucose		0.29%	Calcium	0.90%	
Fructose		0.32%	Phosphorus	0.60%	
Sucrose		2.24%	Phosphorus (non-phytate)	0.34%	
Lactose		1.68%	Potassium	0.72%	
Fat (ether extract)			5%	Magnesium	0.18%
Fat (acid hydrolysis)			6%	Sulfur	0.23%
Linoleic acid		1.66%	Sodium	0.25%	
Linolenic Acid		0.10%	Chlorine	0.40%	
Arachidonic Acid		<0.01%	Fluorine	19 ppm	
Omega-3 FA		0.13%	Iron	230 ppm	
Total Saturated FA		1.54%	Manganese	100 ppm	
Total Monounsaturated FA		1.68%	Copper	21 ppm	
Fatty acids		1.68%	Cobalt	0.54 ppm	
Cholesterol		75 ppm	Iodine	1.3 ppm	
Protein			15.70%	Chromium	1.2 ppm
Arg		0.81%	Selenium	0.31 ppm	
Cys		0.23%	Vitamins		
Gly		0.66%	Carotene	1.7 ppm	
His		0.39%	Vitamin K	3.2 ppm	
Ile		0.70%	Thiamin	8.9 ppm	
Leu		1.44%	Riboflavin	8.6 ppm	
Lys		0.75%	Niacin	120 ppm	
Met		0.43%	Pantothenic Acid	61 ppm	
Phe		0.74%	Chlorine Chloride	1,200 ppm	
Tyr		0.47%	Folic Acid	7.9 ppm	
Thr		0.56%	Pyridoxine	14 ppm	
Trp		0.18%	Biotin	0.1 ppm	
Val		0.76%	B12	73 mcg / kg	
Ser		0.80%	Vitamin A	20 IU / g	
Asp		1.48%	Vitamin D	6.6 IU / g	
Glu		3.79%	Vitamin E	110 IU / kg	
Ala		0.95%	Ascorbic Acid	0.5 mg / g	
Pro		1.43%			
Taurine		<0.01%			
Total Digestible Nutrients		77.60%	Calories by %		
Gross Energy		4.05 kcal / g	Protein	18.194	
Physiological Fuel Value		3.45 kcal / g	Fat (ether extract)	13.085	
Metabolizable Energy		3.19 kcal / g	Carbohydrates	68.721	

Supplementary Table 2. Primate High Fat / Sugar Diet Nutrient Profile

Envigo / Harlan Teklad Primate Diet (27S, 20F): TD.07802

Macronutrients		
Protein	%	16.7775
Carbohydrate	%	44.45065
Fat	%	19.975
kcal density	kcal/g	4.25
Protein	% of kcal	15.8
Carbohydrate	% of kcal	41.9
Fat	% of kcal	42.3
Fiber	%	5

Amino Acids		
Lys	%	1.49
Met	%	0.43
Cys	%	0.38
Arg	%	0.54
Phe	%	0.69
Tyr	%	0.74
His	%	0.37
Ile	%	0.82
Leu	%	1.87
Thr	%	0.79
Trp	%	0.26
Val	%	0.92

Minerals		
Ca	%	0.66
P	%	0.44
K	%	0.98
Na	%	0.35
Cl	%	0.54
Mg	%	0.08
Cu	mg/kg	6.3
Fe	mg/kg	140.6
Zn	mg/kg	24
Mn	mg/kg	24.2
I	mg/kg	3.2
Se	mg/kg	0.07
Cr	mg/kg	0.63

Vitamins		
Vit A	IU/kg	17890
Vit D	IU/kg	2000
Vit E	IU/kg	100
Vit K	mg/kg	50
Biotin	mg/kg	0.4
Choline	mg/kg	1148
Folic Acid	mg/kg	2
Niacin	mg/kg	99.1
Pantothenate	mg/kg	60.5
Riboflavin	mg/kg	22
Thiamin	mg/kg	19.6
B-6	mg/kg	18.1
B-12	ug/kg	0
Vit C	mg/kg	1341
PABA	mg/kg	110

Lipids		
Cholesterol	mg/kg	467
SFA	%	11.7
MUFA	%	5.9
PUFA	%	1.8
4:0	%	0.67
6:0	%	0.4
8:0	%	0.19
10:0	%	0.35
11:0	%	0.02
12:0	%	0.54
14:0	%	2.05
16:0	%	4.81
16:1	%	0.33
18:0	%	2.27
18:1	%	5.4
18:2	%	1.57
18:3	%	0.25

Supplementary Table 3. Food consumption by group.

	kcal/day	SEM	kcal/kg	SEM
CON	687.78	91.23	51.84	5.12
HFS	755.22	25.57	51.13	7.4
HFSR	799.5	52.84	51.98	4.22

CON: control diet; **HFS:** high fat/sugar diet; **HFSR:** high fat/sugar diet supplemented with resveratrol