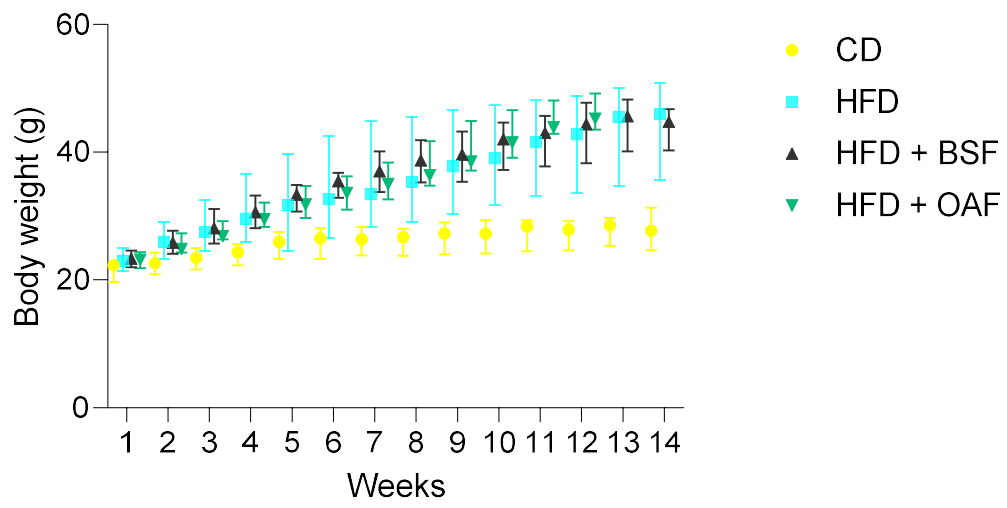


1



2

3

4 **Supplementary Figure 1.**

5

6 **Table S1.**

Nutrient (g)	CD		HFD		HFD + BSF 20 % p/p		HFD + OAF 20 % p/p	
	g/100 g	kcal	g	kcal	g/100 g	kcal	g/100 g	kcal
Proteins	19.20	76.80	26.20	104.80	24.61	98.44	22.93	91.73
Lipids	4.30	38.70	34.90	314.10	29.33	263.93	29.69	267.19
SFAs	1.01	23.50	11.24	101.16	9.59	86.29	9.70	87.27
MUFAs	1.28	11.52	12.53	112.77	10.11	91.02	10.56	95.05
PUFAs	2.01	18.09	11.13	100.17	9.62	86.62	9.43	84.86
C18:2n-6	1.70	15.30	9.39	84.51	7.72	69.45	8.01	72.05
C18:3n-3	0.09	0.81	0.66	5.94	1.04	9.37	0.54	4.89
Available carbohydrates	67.30	269.20	26.30	105.20	21.04	84.16	33.00	131.99
Total dietary fiber	5.00	10.00	5.00	10.00	15.66	31.33	6.01	12.03
Soluble Fiber	0.00	0.00	0.00	0.00	1.12	2.24	0.71	1.43
Insoluble fiber	5.00	10.00	5.00	10.00	14.54	29.09	5.20	10.40
Ash	ND	0.00	ND	0.00	1.79	0.00	0.64	0.00
Moisture	ND	0.00	ND	0.00	1.50	0.00	1.75	0.00
TOTAL	96	395	92	534	94	478	94	503

7 Data presented as mean on wet basis. DC, control diet; HFD, high-fat diet; BSF, high-fiber basil seed meal; dietary
8 OAF, oatmeal. NA, no data; Saturated fatty acids (SFAs) correspond to C4:0, C14:0, C16:0, C18:0, C22:0, C24:0,
9 monounsaturated fatty acids (MUFAs) correspond to C16:1, C18:1n-9, C22:1n-9, polyunsaturated fatty acids
10 (PUFAs) correspond to C18:2n-6, C18:3n-6, C18:3n-3, C20:2, C20:3n-6, C22:2.

11

12

13