

1 **Table S1.** Dietary composition of low-fat (LF) diet, high-fat (HF) diet, and HF plus 4% peanut  
2 sprouts powder (HF + PS) diet

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<b>Ingredients</b>	<b>LF</b>	<b>HF</b>	<b>HF + PS</b>
	g/kg	g/kg	g/kg
Casein	200	200	200
L-Cysteine	3	3	3
Sucrose	100	69	69
Corn starch	600	0	0
Maltodextrin 10	50	125	125
Lard	10	245	245
Soybean oil	39	39	39
Cellulose	50	50	10
Mineral mix	35	35	35
Calcium phosphate	4	4	4
Vitamin mix	10	10	10
Choline bitartrate	2	2	2
Peanut Sprouts powder	0	0	40
Total	1002.9	767.2	767.2
	kcal (%)	kcal (%)	kcal (%)
Carbohydrate	68	20	20
Protein	21	19	19
Fat	11	61	61

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<sup>1</sup> The AIN-93G diet was modified.

5 **Table S2.** Nutritional profiles of the PS powder.

	<b>Peanut sprout (Amount per 100g)</b>
Calories (kcal/100g)	407.0
Sodium (mg/100g)	60.9
Total Carbohydrate (g/100g)	38.9
Total Sugars (g/100g)	3.2
Total Fat (g/100g)	25.1
Trans Fat (g/100g)	-
Saturated Fat (g/100g)	4.7
Cholesterol (mg/100g)	3.6
Protein (g/100g)	24.1
Cellulose (g/100g)	35.7

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7 **Table S3.** Primer sequences for real-time PCR

<b>Gene</b>	<b>Forward</b>	<b>Reverse</b>
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<i>m36B4</i>	GGATCTGCTGCATCTGCTTG	GGCGACCTGGAAGTCCAAC
<i>maP2</i>	AGCATCATAACCCTAGATGGCG	CATAACACATTCCACCACCAGC
<i>mC/EBP<math>\alpha</math></i>	GGTTTTGCTCTGATTCTTGCC	CGAAAAAACCCAAACATCCC
<i>mCIDEA</i>	TGCTCTTCTGTATCGCCAGT	GCCGTGTTAAGGAATCTGCTG
<i>mDGAT2</i>	CCGCAAAGGCTTTGTGAAG	GGAATAAGTGGGAACCAGATCA
<i>mF4/80</i>	CTTTGGCTATGGGCTTCCAGTC	GCAAGGAGGACAGAGTTTATCGTG
<i>mFas</i>	GGAGGTGGTGATAGCCGGTAT	TGGGTAATCCATAGAGCCAG
<i>mHPRT</i>	TTGCTCGAGATGTCATGAAGGA	AGCAGGTCAGCAAAGAACTTATAGC
<i>mIL-1<math>\beta</math></i>	GCTCTCTATGGATCGCCTCAC	GGCTTCAGACTGGTACACATT
<i>mIL-6</i>	AGTCCACCGTGTATGCCTTCT	GAGACGCGACATTCTCAATGA
<i>mMCP1</i>	AGGTCCCTGTCATGCTTCTG	GCTGCTGGTGATCCTCTTGT
<i>mPGC1<math>\alpha</math></i>	CCCTGCCATTGTAAAGACC	TGCTGCTGTTCCCTGTTTTTC
<i>mPPAR<math>\gamma</math></i>	GGCGATCTTGACAGGAAAGAC	CCCTTGAAAAATTCGGATGG
<i>mSCD1</i>	GGGACAGATATGGTGTGAAACTATG	TTACAGACACTGCCCTCAAC
<i>mTNF<math>\alpha</math></i>	CCAGGCTACAGTGGGACATT	AAGGAATGCAGGTCCACATC
<i>mUCP1</i>	AGGCTTCCAGTACCATTAGGT	CTGAGTGAGGCAAAGCTGATT

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