

1 Supplemental information

2 **Table S1 Ingredient of experimental diet**

Ingredients	Weight (g/kg)
Casein	200
Cornstarch	399.5
Sucrose	100
Corn oil	50
Lard	150
Mineral mix <sup>a</sup>	35
Vitamin mix <sup>a</sup>	10
Cellulose	50
Choline bitartrate	3
DL-methionine	2.5

3 <sup>a</sup>Modified AIN-93G

**Table S2 Sequences of the primers used in quantitative real-time PCR**

Gene	Forward primer	Reverse primer
TH	ATCCAGCGCTCCTTGG	AGATTCTTTCCTTCCTTTATTGAGA
Bax	GCTGATGGCAACTTCAACTG	ACTCCAGCCACAAAGATGGT
Bcl-2	CGGGAGAACAGGGTATGATA	CCACCGAACTCAAAGAAGG
Bcl-xl	TTCGGGATGGAGTAAACTGG	GGATCCAAGGCTCTAGGTG
Caspase 9	ACAATAAATCTTCGGCAATA	TGGGGACCAGGCTCACTT
Caspase 3	TGACTGGAAAGCCGAACT	CTGGATGAACCACGACC C
Caspase 8	ACAATGCCAGATTTCTCCCTAC	CAGACAGTATCCCCGAGGTTTG
PARP	AGGCCCTCAAGGCTCAGAAT	CATGGATTCTGTGTCTTG AC
$\beta$ -actin	AGGCCCTCAAGGCTCAGAAT	CATGGATTCTGTGTCTT GAC