

Supplemental Table S1. Ingredients of the diets.

	15% Casein	30% Casein	30% Bee
Ingredients			
Casein	195	390	0
Bee larva	0	0	710
β -cornstarch	375	180	50
α -cornstarch	132	132	132
Sucrose	100	100	100
Lard	150	150	0
Cellulose	50	50	50
AIN-93M mineral mix	35	35	35
AIN-93VX vitamin mix	10	10	10

Supplemental Table S2. Primer sequences for PCR.

Gene	Forward	Reverse
<i>β-actin</i>	CATCCGTAAAGACCTCTATGCCAAC	ATGGAGCCACCGATCCACA
<i>Pgclα</i>	AAGGGCCAAACAGAGAGAGA	GCGTTGTGTCAGGTCTGATT
<i>Pgclβ</i>	AGATGAAGATCCAAGCTGCCCACA	TCCTCCTCCATTGGCTTGTATGGA
<i>Ucp-1</i>	GGCCCTTGTAACAACAAAATAC	GGCAACAAGAGCTGACAGTAAAT
<i>Ucp-3</i>	CTCTGCACTGTATGCTGAAGATG	CACGTTCCAAGCTCCCAGA
<i>D2</i>	TTCTGAGCCGCTCCAAGT	GGAGCATCTTCACCCAGTTT
<i>Cidea</i>	TGCTCTTCTGTATCGCCCAGT	GCCGTGTTAAGGAATCTGCTG
<i>Prdm16</i>	CAGCACGGTGAAGCCATTC	GCGTGCATCCGCTTGTG
<i>Acox-1</i>	TTCTACCAATCTGGCTGCAC	GTGGGTGGTATGGTGTCTGTA
<i>Tfam</i>	ATGTCTCCGGATCGTTTCAC	CCAAAAAGACCTCGTTCAGC
<i>Sirt1</i>	GCACCGAGGAACTACCTGAT	CAGCATCTTGCCTGATTTGT
<i>Glut4</i>	ATCAACGCCCCACAGAAA	GAGAGCCCCAAAGGGTAGTGA
<i>MyoD</i>	GTCGTAGCCATTCTGCCG	AGCACTACAGTGGCGACTCA
<i>Myogenin</i>	GTGGGAGTTGCATTCACTGG	CTACAGGCCTTGCTCAGCTC