

Table S1 The compositions of the normal calorie diet

Compositions	Normal diet	
	g%	kcal%
Crude protein	19.10	22.17
Crude fat	4.70	13.00
Crude fiber	4.00	0.00
Crude ash	6.20	0.00
Moisture	8.90	0.00
Calcium	1.18	0.00
Total phosphorus	0.88	0.00
Nitrogen free extract	55.04	64.83

Table S2 Primers for qRT-PCR

Name	Sense	Antisense	Reference
GAPDH	GCCTTCCGTGTTCTACCC	TGCCTGCTTCACCACCTTC	1
LPH	CAGCGATGCCACAGGAAAG	ACGGAGCCCTTGACGAGAG	1
Slc5a1	TTGAATGGAACGCCTTGG	GTGAAGATGTAGAGGAGCAG	1
SULT1A1	CCCGTCTATGCCCGGATAC	GGGCTGGTGTCTCTTTCAGAGT	2
UGT1A1	TGAACTTCTACAGCGAGTGAAGA	GGGAATAAACCACTCTGCACATAA	2
UGT1A4	CCTGCTGTGTTTTTTGGAGG	ATTGATCCCAAAGAGAAAACCAC	3
UGT1A6	CCTTTGAAACAACCACTTTCTTC	CGACAATCATGTTGTTCTGTACTC	2
Occludin	TTGAAAGTCCACCTCCTTACAGA	CCGGATAAAAAGAGTACGCTGG	4
Jam-a	CATGATGGTCCCCACCTC	TCTGGCCTGGCAGTAGTAT	5
ZO-1	GATCCCTGTAAGTACCCAGA	CTCCCTGCTTGCACTCTATC	4
ZO-2	CAGTCCCTATGCTGAGAGC	TTGGAACCGCATAGATGTCA	-
Claudin-1	AGGTCTGGCGACATTAGTGG	CGTGGTGTGGGTAAGAGGT	6
Claudin-2	AGTGGCTGTAGTGGGTGGAG	AAAGGATGACTCCGGCTACC	-
Claudin-3	GAGATGGGAGCTGGGTGTA	GTAGTCTTGCGGTCGTAGG	-
Muc1	GGCATTGGGCTCCTTTCTT	TGGAGTGGTAGTCGATGCTAAG	5
Muc2	ACGTGTCATATTGCACCTCT	TCAACATTGAGAGTGCCAACT	7
Muc3	GGGGCAGAAGGGCGATAAG	GGAGAACACGAGGAGGATCAC	5
Relm β	CTGATAGTCCCAGGGAACGC	GTCTGCCAGAAGACGTGACA	5
Reg3 γ	CTGATAGTCCCAGGGAACGC	GTCTGCCAGAAGACGTGACA	5

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