Table S1. Primers sequences used for quantitative RT-PCR.

Gene	Primer sequence (5' –3')	Annealing temperature (°C)	Product size (bp)
β-Actin	F: TGGAACGGTGAAGGTGACAGC R: GCTTTTGGGAAGGCAGGGACT	60	177
SGLT-1	F: CCACTTTCCCTATAAAACCTCAC R: CTCCATCAAACTTCCATCCTCAG	60	151
GLUT-2	F: CCTGCTTGGTCTATCTGCTGTG R: TTGATGCTTCTTCCCTTTCTTT R: GAGCCCACAAAGAAAAGC	60	156
FATP-1	F: GGAGTAGAGGGCAAAGCAGG R: AGGTCTGGCGTGGGTCAAAG	60	208
ZO-1	F: CAGCCCCCGTACATGGAGA R: GCGCAGACGGTGTTCATAGTT	60	114
Occludin	F: CTACTCGTCCAACGGGAAAG R: ACGCCTCCAAGTTACCACTG	60	158
Claudin-1	F: GCCACAGCAAGGTATGGTAAC R: AGTAGGGCACCTCCCAGAAG	60	140
Total bacteria	F: ACTCCTACGGGAGGCAGCAG R: ATTACCGCGGCTGCTGG	60	200
Lactobacillus	F: GAGGCAGCAGTAGGGAATCTTC R: CAACAGTTACTCTGACACCCGTTCTTC P: AAGAAGGGTTTCGGCTCGTAAAACTCTGTT	60	126
Escherichia coli	F: CATGCCGCGTGTATGAAGAA R: CGGGTAACGTCAATGAGCAAA P: AGGTATTAACTTTACTCCCTTCCTC	60	96
Bifidobacterium	F: CGCGTCCGGTGTGAAAG R: CTTCCCGATATCTACACATTCCA P: ATTCCACCGTTACACCGGGAA	60	121
Bacillus	F: GCAACGAGCGCAACCCTTGA R: TCATCCCCACCTTCCTCCGGT P: CGGTTTGTCACCGGCAGTCACCT	60	92

ZO-1, zonula occludens-1; FATP1, Fatty acid transport protein-1; SGLT1,sodium glucose transport protein-1.