

**Table S1.** Primers sequences for qRT-PCR.

Accession No.	Gene Name	Primer sequence	Product size (bp)
NM_001004198.1	TATA box binding protein ( <i>Tbp</i> )	5'-ATAATCCCAAGCGGTTTGCTG-3' 5'-TGCACACCATTTCCTCCAGAAC-3'	90
NM_013061	Sucrase-isomaltase ( <i>Si</i> )	5'-GCAGAAGGCTACATGGA-3' 5'-CCTTGCGACTGTCTCA-3'	141
NM_053841.1	Lactase ( <i>Lct</i> )	5'-GATGAGCTATGCAGGCTATGG-3' 5'-ATGTGCCTTGAGGATCAGGT-3'	100
NM_023963.2	Caudal type homeobox 2 ( <i>Cdx2</i> )	5'-TGGTGTACACAGACCATCAGC-3' 5'-CTGCGGTTCTGAAACCAAAAT-3'	142
NM_13033.2	Sodium-glucose co-transporter ( <i>Sglt1</i> )	5'TGTACCCTGTGTGGCT—3' 5'-GGTGCCGCAGTATTTC-3'	132
NM_012879.2	Glucose transporter 2 ( <i>Glut2</i> )	5'-CTTGTTTCATGGTTGCTGAA-3' 5'-AAATTGCAGACCCAGTTGCT-3'	98
NM_031741.1	Facilitated fructose transporter ( <i>Glut5</i> )	5'-GTCTTGGAAGCGAGGAA-3' 5'-CAGGAAAGAAGGGCAGCA-3'	100
NM_12556.2	Fatty acid binding protein 1 , liver ( <i>Fabp1</i> )	5'-CCAAGTGCAGAGCCAAGAGA-3' 5'-CCCATAGGTGATGGTGAGTTTG-3'	143
NM_013068.1	Fatty acid binding protein 2 , intestinal ( <i>Fabp2</i> )	5'-GGCATTAACGTGGTGAAGAGG-3' 5'-GACGCCGAGTTCAAACACAA-3'	135
NM_001106266	Tight junction protein 1 ( <i>Tjp1</i> )	5'-GCCGAAGCCAGTCACGATCT-3' 5'-TCTGCTCCGGGAGACTGCCAT-3'	98
NM_053773.2	Tight junction protein 2 ( <i>Tjp2</i> )	5'-CGCTGAAGACCGCATGTCCT-3' 5'-TCCCTCGCCGTCCGTATCTT-3'	100
NM_001108073.1	Tight junction protein 3 ( <i>Tjp3</i> )	5'-GCCGAGGACCAGCTGAATGG-3' 5'-CGCTGTTAGCCCGACTGTCA-3'	103
NM_001012022	Claudin 3 ( <i>Cldn3</i> )	5'-CACACCGCACCATCACCCT-3' 5'-ACTGCGTGGCGTCTGTAACC-3'	109
NM_031702	Claudin 4 ( <i>Cldn4</i> )	5'-AGCCGTGTTTCATCGTGGCAA-3' 5'-CGGAAGCCACCAGAGGGTTG-3'	98
NM_001107135	Claudin 7 ( <i>Cldn7</i> )	5'-CGTGGCAGGTCTTGCTGCTT-3' 5'-AGACCCTGCCCAGCCGATAA-3'	135
NM_031700	Claudin 15 ( <i>Cldn15</i> )	5'-TGGGCGGCATCTGTGTCTTC-3' 5'-GAAGTGGCTCGGGCTGTCAC-3'	112
NM_031329	Occludin ( <i>Ocln</i> )	5'-CGCACGAGGTCTGCTGTCT-3' 5'-CCGGCCTGTAAGGAGGTGGA-3'	118
NM_012736	Apolipoprotein A-1 ( <i>Apoa1</i> )	5'-TCAGGAGTTCTGGGCTAACCTG-3' 5'-ACCTCCTCGTTCCAATTCTCCT-3'	132
NM_012737	Apolipoprotein A-4 ( <i>Apoa4</i> )	5'-TGTTCTGAAGGCTGTGGT-3'	94

		5'-CACATCACATTGGCCACCT-3'	
NM_019287	Apolipoprotein B ( <i>Apob</i> )	5'-AGCGCCACCAAGATTAAGT-3' 5'-CATGATGAGAGTGCAGACTTGG-3'	63
NM_012501	Apolipoprotein C3 ( <i>Apoc3</i> )	5'-CTAAGCAGCATGCAGGAGTCT-3' 5'-CAGGGATTGAAGCGATTG-3'	72
NM_021848.1	Glucagon-like peptide 2 receptor ( <i>Glp2r</i> )	5'-CGGTATGTGTGCTGGCCTCA-3' 5'-GCAGTGTCTGTAGGCCCTTCC-3'	107
NM_052807.2	Insulin-like growth factor 1 receptor ( <i>Igf1r</i> )	5'-CGAAAACCATCGATTCTGTG-3' 5'-CCAATTCGAGGCAATGTTA-3'	111
NM_012756.2	Insulin-like growth factor 2 receptor ( <i>Igf2r</i> )	5'-TGGAAAGCTGTCCTTAGATGTGT-3' 5'-CGAAAGTCAGCTTGATTAAGG-3'	128
NM_013144.1	Insulin-like growth factor binding protein1 ( <i>Igfbp1</i> )	5'-TGCCATTAGCACCTACAGCA-3' 5'-AACACTTTATAGAGTTCCCGTTGG-3'	93
NM_012588.2	Insulin-like growth factor binding protein3 ( <i>Igfbp3</i> )	5'-GCCAGCGCTACAAAGTTGAC-3' 5'-GTGTGTCCTCCATTTCTCTGC-3'	114
NM_001004274.2	Insulin-like growth factor binding protein4 ( <i>Igfbp4</i> )	5'-CAACTTCCACCCCAAACAGT-3' 5'-GATCCACACACCAGCATTTG-3'	68