

Gene Name	Forward Primer (5'-3')	Reverse Primer (5'-3')
<b>Pathway: Tight Junction Proteins</b>		
Claudin 1	TGGGTTTCATCCTGGCTTCT	TGTATCTGCCCGGTGCTTT
Occludin	GCAGCCTTCTGCTTCATCG	CGTCGGGTTCACTCCCATTA
Zona-Occludins 1 (ZO-1)	TCACGATCTCCTGACCAACG	GGCTGACGGGTAAATCCACA
Cingulin	AGCAGAGCAGCAAGGAACTT	GCTGTAGCTCCTTCACCTGG
Fodrin/Spectrin alpha	CGCATCTTTTTCTCAGCAG	CCAGGACTTGCTGTCGTCTC
Symplekin	CGGAGTGTGGCATCACAGTTT	CGCACTTCAATGGATTTGTCTG
<b>Pathway: Inflammation</b>		
Interleukin-1 $\beta$ (IL1 $\beta$ )	GAAATGCCACCTTTTGACAGTG	CTGGATGCTCTCATCAGGACA
Interleukin-6 (IL-6)	TAGTCCTTCCTACCCCAATTTCC	TTGGTCCTTAGCCACTCCTTC
Toll-like receptor 4 (TLR4)	ATGGCATGGCTTACACCACC	GAGGCCAATTTTGTCTCCACA
Tumor necrosis factor receptor 1(TNFR1)	CCGGGAGAAGAGGGATAGCTT	TCGGACAGTCACTCACCAAGT
Tumor necrosis factor- $\alpha$ (TNF- $\alpha$ )	CCTGTAGCCCACGTCGTAG	GGGAGTAGACAAGGTACAACCC
<b>Pathway: Oxidative Stress</b>		
Glutathione S-transferase, alpha 1(Gsta1)	AGCCCGTGCTTCACTACTTC	TCTTCAAACCTCCACCCCTGC
Glutathione S-transferase, m1 (Gstm1)	GAGGGCCTCAAGAAGATCTCTG	TTACTCCAGTGGGCCATCTTTG
<b>Pathway: Retinoid Signaling</b>		
Retinoic acid receptor $\beta$ (isoform 2) (RAR $\beta$ 2)	GCGAGAGTTTGATGGAGTTC	TGGTAGCCCGAGACTTGTCTCCT
Cytochrome P450 26A1 (CYP26A1)	GAAACATTGCAGATGGTGCTTCAG	CGGCTGAAGGCCTGCATAATCAC
<b>Pathway: Lipid Metabolism</b>		
Acetyl-Coenzyme A carboxylase alpha (ACC1)	ATGGGCGGAATGGTCTCTTTC	TGGGGACCTTGTCTTCATCAT
Fatty Acid Synthase (FASN)	GGAGGTGGTGATAGCCGGTAT	TGGGTAATCCATAGAGCCCAG
Peroxisome proliferator-activated receptor $\gamma$ (PPAR $\gamma$ )	CTCCAAGAATACCAAAGTGCGA	GCCTGATGCTTTATCCCCACA
Sterol regulatory element binding transcription factor 1-c (SREBP1-c)	CGGAAGCTGTCGGGGTAG	GTTGTTGATGAGCTGGAGCA
<b>Pathway: Housekeeping</b>		
36B4	AGAACAACCCAGCTCTGGAGAAA	ACACCCTCCAGAAAGCGAGAGT
<b>Pathway: Universal Bacterial Primers</b>		
Universal bacterial 16s rRNA (J Clin Microbio 2005, 43:5332-7)	GTGSTGCAYGGYTGTCGTCA	ACGTCRTCCMCACCTTCCTC

