

TABLE S8 Oligonucleotide nucleotide primers used for the gene expression experiment

Gene symbol ¹	Accession number ²	Forward primer (5'-3')	Reverse primer (5'-3')	Amplicon size (bp)	E (%) ³	R ²	Ref. ⁴
Housekeeping genes							
<i>ACTB</i>	NM_205518.1	GAGAAATTGTGCGTGACATCA	CCTGAACCTCTCATTGCCA	152	100.2	0.99	1
<i>B2M</i>	NM_001001750.1	ACTTCACACCCAGCAGCG	GGCACAGCTCAGAACTCGG	103	102.5	0.99	1
<i>GAPDH</i>	NM_204305.1	TATCTTCCAGGAGCGTGACC	TCTCCATGGTGGTGAAGACA	95	92.5	1.00	1
<i>HPRT1</i>	NM_204848.1	GATGAACAAGGTTACGACCTGGA	TATAGCCACCCTTGAGTACACAG AG	181	94.7	0.99	1
<i>SNRPD3</i>	NM_001007838.1	CCAGATATGTTGAAGAACGCTCCT	GTTGCCACGACCCATACCA	141	104.6	0.98	1
Target genes							
<i>OCN</i>	NM_205128.1	CAGCACCTACCTCAACCAGTACAT	AGGCAGAGCAGGATGACGAT	102	107.4	0.99	1
<i>ZOI</i>	XM_015278975.1, XM_015278976.1, XM_015278977.1, XM_015278978.1, XM_015278979.1, XM_015278980.1, XM_015278981.1,	CAACTGGTGTGGGTTTCTGAA	TCACTACCAGGAGCTGAGAGGTA A	101	98.7	0.99	1
<i>CLDN1</i>	NM_001013611.2	CCAGGTGAAGAAGATGCGGA	GGTGTGAAAGGGTCATAGAAGGC	129	104.4	0.99	1
<i>CLDN5</i>	NM_204201.1	CAGGTCGCCAGAGATACAGG	GAAGCCTTCATAGCCTAAGCAT C	157	99	0.99	1
<i>IAP</i>	XM_015291488.1, XM_015291489.1	CCACTCGCATGTCTTCACCTT	CATTGCCGTAGAGGATGCTG	116	91.1	1.00	1
<i>TLR2</i>	NM_001161650.1, NM_204278.1	GGGCACAGGTTGGGAGTG	CCAACGACCACCAGGATGA	112	104.4	0.99	1
<i>TLR4</i>	NM_001030693.1	TGCAGTTTCTGGATCTTTCAAG	GCGACGTTAAGCCATGGAA	144	107.0	0.99	1
<i>TNFA</i>	AY765397.1	TCGGGAGTGGGCTTTAAGAAG	GAAAGCCACTAGGAGCAGACA	112	104.7	0.99	1
<i>IL1B</i>	NM_204524.1	GGGCATCAAGGGCTACAA	CTGTCCAGGCGGTAGAAGAT	88	96.2	0.99	1
<i>IL6</i>	JN639847.1, HM179640.1, AJ250838.2, NM_204628.1	GAGGGCCGTTTCGCTATTTG	ATTGTGCCCGAACTAAAACATTC	67	108.4	0.98	2

<i>IL8</i>	HM179639.1	TCCTGGTTTCAGCTGCTCTGT	CGCAGCTCATTCCCCATCT	61	113.1	0.97	2
<i>IL10</i>	EF554720.1	GCTGAGGGTGAAGTTTGAGG	AGACTGGCAGCCAAAGGTC	121	90.3	0.99	3
<i>TGFB1</i>	NM_001318456.1	CGGCCGACGATGAGTGGCTC	CGGGGCCCATCTCACAGGA	120	99.3	0.99	2
<i>NFKB</i>	NM_205134.1	CCATGGTAACTCGGACAGGG	GCTGTTTCGTAGTGGTAAGTCTGA	193	98.9	0.99	-
<i>MUC1</i>	XM_015279046.1, XM_015279045.1	GGGAATCTGTGGCCTGTTGA	TTCTCAGCATCTCTCCCCCA	83	93.2	0.99	-
<i>MUC2</i>	NM_001318434.1	GCCTGCCCAGGAAATCAAG	CGACAAGTTTGTGGCACAT	59	99.3	0.99	2
<i>SLC16A1</i> (<i>MCT1</i>)	NM_001006323.1, XM_015298930.1	CTTTGGCTGGCTTAGCTCG	TTGTAGTCACCATACATGTCGTTG A	162	93.6	0.99	1
<i>SLC5A12</i> (<i>SMCT</i>)	XM_416173.5	GGCTTCAGCGTTTGGGACTA	TGCAGAAGATGGCACCGTAG	235	90.6	0.98	-
<i>SLC5A1</i> (<i>SGLT1</i>)	NM_001293240.1	CAATGCTGCGGACATCTCTGTT	TGTTCTGCTATGCCACAAA	199	94.3	0.99	-
<i>SLC2A2</i> (<i>GLUT2</i>)	NM_207178.1	CGGCTGGGGAGGGTGAAAGC	CCC GCCCAGCGATGATGAGG	106	92.2	0.99	4

¹*ACTB*, *Gallus gallus* actin, beta; *B2M*, *Gallus gallus* beta-2-microglobulin; *CLDN1*, *Gallus gallus* claudin 1; *CLDN5*, *Gallus gallus* claudin 5; *GAPDH*, *Gallus gallus* glyceraldehyde-3-phosphate dehydrogenase; *HPRT1*, *Gallus gallus* hypoxanthine phosphoribosyltransferase 1; *IL1B*, *Gallus gallus* interleukin 1 beta; *IL6*, *Gallus gallus* interleukin 6; *IL8*, *Gallus gallus* interleukin 8; *IL10*, *Gallus gallus* interleukin 10; *MUC1*, *Gallus gallus* mucin 1; *MUC2*, *Gallus gallus* mucin 2; *NFKB*, *Gallus gallus* nuclear factor kappa B; *OCLDN*, *Gallus gallus* occludin; *SNRPD3*, *Gallus gallus* small nuclear ribonucleoprotein D3 polypeptide; *TGFB1*, *Gallus gallus* transforming growth factor beta 1; *TLR2*, *Gallus gallus* toll-like receptor 2; *TLR4*, *Gallus gallus* toll-like receptor 4; *TNFA*, *Gallus gallus* lipopolysaccharide-induced tumor necrosis factor-alpha factor; *ZO1*, *Gallus gallus* zona occludens 1.

²National Center for Biotechnology Information (NCBI) Entrez Gene (<http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene>).

³E, PCR efficiency: $E = (10^{(-1/\text{slope})} - 1) \times 100$.

⁴Ref., references for oligonucleotide primer sequences.

References

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