

S2 Table. List of genes and primers used for qRT-PCR.

Gene name	Gene Symbol	Primers (5'→3') (F=forward, R=reverse)	Accession Number	Size (bp)
Ribosomal protein L32	<i>RPL32</i>	F : GCCATCAGAATCACCAATCC R : AAATGTGCACACGAGCTGTC	NM_001034783.2	73
Peptidylprolyl isomerase A (cyclophilin A)	<i>PPIA</i>	F : CTGGCATCTTGTCCATGGCAAA R : CCACAGTCAGCAATGGTGATCTTC	NM_178320.2	202
Aldehyde dehydrogenase 1 family, member A1	<i>ALDH1A1</i>	F : GCGGAAACACAGTGGTTGTC R : GAGAAGAAATGGCTGCCCCT	NM_174239.2	150
Cyclin D2	<i>CCND2</i>	F : GGTGGATCTCCTGGCAAAGA R : ACGGTACTGCTGCAGGCTATTC	NM_001076372.1	98
Cyclin E1	<i>CCNE1</i>	F : GCCTCAGTATCCTCAGCAAATC R : GAAAATTCTAAGCACCCGACATC	XM_612960.4	84
Cyclin E2	<i>CCNE2</i>	F : CCTCATTATTCATTGCTTCCAAAC R : TTCACTGCAAGCACCATCAG	NM_174058.2	129
Collagen type 1 alpha 1	<i>COL1A1</i>	F : AAGAAGACATCCCACCAGTCAC R : TAAGTTCGTCGCAGATCACG	NM_001034039.2	149
Collagen type 3 alpha 1	<i>COL3A1</i>	F : AGGACACAGAGGCTTTGATGG R : TTTTCCCCCTTTAATCCAGGAG	NM_001076831.1	72
Collagen type 4 alpha 1	<i>COL4A1</i>	F : TTTCCAGGCGACTCAGGG R : CGTGCCAATAACAGTTCCGG	XM_580317	106
Catenin Beta 1	<i>CTNNB1</i>	F : GAATTGACAAAACCTGCTGAATGATG R : GATGGCGTGTCTCGAAGCTT	NM_001076141	102
Cytochrome p450 family 11 subfamily A member 1	<i>CYP11A1</i>	F : CACTTTCGCCACATCGAGAA R : TGAATGATATAAACTGACTCCAAATTGC	NM_176644.2	85
Cytochrome p450 family 19 subfamily A member 1	<i>CYP19A1</i>	F : GGCTATGTGGACGTGTTGACC R : TGAGAAGGAGAGCTTGCCATG	NM_174305.1	142
Deleted in azoospermia-like	<i>DAZL</i>	F : ACGTTTTGCCAGTGAATGC R : TACCACCGTCTGTATGCTTCTG	NM_001081725.1	98
Desmoglein 2	<i>DSG2</i>	F : TGAGACAAAAGCGTGCTTGG R : CAGAGTGTATCTTGCAATCGG	NM_001192172.2	93
Estrogen receptor 1	<i>ESR1</i>	F : GTCCACCTTTTGGAATGTGC R : ATTTTCCCTGGTTCCTGTCC	NM_001001443.1	124

Estrogen receptor 2	<i>ESR2</i>	F : TCGACTTCGGAAGTGCTATGAG R : ACCGTTCTCTTGTTTTGC	NM_174051.3	136
Fibrillin 1	<i>FBN1</i>	F : GGGATGGATTTTGTTCGAGGC R : CATCACTGCAGCTACCTCCATT	NM_174053	126
Forkhead box L2	<i>FOXL2</i>	F : AGAATAGCATCCGCCACAAC R : CCCTTCTCGAACATGTCCTC	NM_001031750.1	127
Gap junction alpha-1 protein	<i>GJA1</i>	F : TGAGTGCCGTTTACACTTGC R : ACACCAATGACACGACAAGC	NM_174068.2	117
17beta-hydroxysteroid dehydrogenase	<i>HSD17B1</i>	F : TGTGGTACTCATTACCGGCTGTT R : CAGCGTGGCATACACTTTGAA	NM_001102365.6	100
3 beta-hydroxysteroid dehydrogenase	<i>HSD3B1</i>	F : CCGCGAGAGACCATCATGA R : ACGCTGGCCTGGACACA	NM_174343	68
Inhibin, beta A	<i>INHBA</i>	F : ATCATCACGTTTCGCGGAATC R : ACTTTGCTCCGGGTCCTGTT	NH_174363.2	144
Keratin 19	<i>KRT19</i>	F : CGAGGAGGAAATGAGTGTGCT R : ATCTTGGCTAGGTCGATGCC	NM_001015600.4	90
Laminin subunit beta 2	<i>LAMB2</i>	F : CGGGAGTCACACAGAAAGCA R : CCCAGCCCTACTGCATCGT	NM_001046247	64
Leucine rich repeat containing G protein-coupled receptor 5	<i>LGR5</i>	F : TTGGGAGATCTGCTTTTCAACA R : TGTGAGGCGCCATTCAAA	NM_001277226	65
Mucin 1	<i>MUC1</i>	F : TTCCCAGTGCTTACAGTTGC R : TTGGGCTGCTTTGTGTAGTG	NM_174115.2	100
Nuclear receptor subfamily 2	<i>NR2F2</i>	F : ACGGATCTTCCAAGAGCAAG R : TTCCACATGGGCTACATCAG	NM_174402.3	130
Nuclear receptor subfamily 5, group A, member 1	<i>NR5A1</i>	F : CAGACCTTCATCTCCATCGTG R : CTTGCCATGCTGAATCTGAC	NM_174403.2	147
Occludin	<i>OCLN</i>	F : TTCGACCAATGCTCTCTCAG R : GCGATGCACATCACGATAAC	NM_001082433.2	130
Octamer-binding transcription factor 4	<i>OCT4</i>	F : AGGCTTTGCAGCTCAGTTTC R : TTGTTGTCAGCTTCCTCCAC	NM_174580.2	79
Plakophilin 2	<i>PKP2</i>	F : AGGAGGTGTGATGGACTGATTG R : TGTCATCTGGCTGGTAATCTGC	NM_001083729.1	76
Steroidogenic acute regulatory protein	<i>STAR</i>	F : CAGCAGAAGGGTGTCATCAGA R : GAGAGGACCTGGTTGATGATG	NM_174189.3	152

Transforming growth factor, beta receptor 1	<i>TGFBR1</i>	F : CAGAGTGGGAACAAAAAGGTACATG R : CATTGCATAGATGTCAGCACGTT	NM_174621.2	100
Transforming growth factor, beta receptor 2	<i>TGFBR2</i>	F : AACGTAGTAACTCCCTGCACTG R : AAACAAACGTGGGTGTGACG	NM_001159566.1	141
Transforming growth factor, beta receptor 3	<i>TGFBR3</i>	F : TGCACCTTTCCTATCCCACAAGCCG R : CCAGATCATTGAGGCATCCAGCG	XM_005197830.1	197
DEAD (Asp-Glu-Ala-Asp) box polypeptide 4	<i>VASA</i>	F : ATGAAGCTGATCGCATGCTG R : TGACGCTGTTCCCTTTGATGG	NM_001007819.1	91