

**S1 Table. Genes and forward (F) and reverse (R) primers used for qRT-PCR and the amplified product size.**

Gene name	Gene Symbol	GenBank Accession No.	Primers (5'-3')	Size (bp)
Androgen receptor	<i>AR</i>	NM_001244127.1	F: TGCCCCTGACCTGGTTTTTC R: TCGGACACACTGGCTGTACATC	67
Collagen, type I, alpha 1	<i>COL1A1</i>	NM_001034039.2	F: TACTGGATTGACCCCAACCAAG R: TCTCACCGGTTTCCATGTTG	73
Collagen, type 3, alpha 1	<i>COL3A1</i>	NM_001076831.1	F: TTCCCGTAAAAACCCTGCAC R: ACGTTTCCCAGTTTCCATG	146
Cytochrome P450 family 11 subfamily A, member 1	<i>CYP11A1</i>	NM_176644.2	F: CACTTTCGCCACATCGAGAA R: TGAATGATATAAACTGACTCCAAATTG C	85
Cytochrome P450, family 17, subfamily A, polypeptide 1	<i>CYP17A1</i>	NM_174304.2	F: ACCATCAGAGAAGTGCTCCGAA R: CCACAACGTCTGTGCCTTTGT	115
Fibrillin 1	<i>FBN1</i>	NM_174053	F: GGGATGGATTTTGTTCGAGGC R: CATCACTGCAGCTACCTCCATT	126
Fibrillin 2	<i>FBN2</i>	NM_001278588.1	F: GGACTCCTACCAAGCAAGCATG R: ACAAAGAACCCATTCTGGATG	62
Fibrillin 3	<i>FBN3</i>	XM_010806885.1	F: GCCACAGCCTGCCTAGATGT R: CTGCCCTCAGTGTTTTTGCA	80
Glyceraldehyde 3-phosphate dehydrogenase	<i>GAPDH</i>	NM_001034034.2	F: ACCACTTTGGCATCGTGGAG R: GGGCCATCCACAGTCTTCTG	76
Insulin growth factor binding protein 3	<i>IGFBP3</i>	NM_174556.1	F: CGCCTGCGCCCTTACC	57
			R: TTCTTCCGACTCACTGCCATT	
Insulin-like 3 (Leydig cell)	<i>INSL3</i>	NM_174365.2	F: GGCGACCGTGAGCTCCT R: ACTGGCCATCAGCCCATG	62

Luteinizing hormone/ choriogonadotropin receptor	<i>LHCGR</i>	NM_174381.1	F: GCCACTGCTGTGCTTTTAGAAA R: CCAGCCACTCAGTTCACTCTCA	158
Latent transforming growth factor beta binding protein 1	<i>LTBP1</i>	NM_001103091.1	F: GATTTGGGCCAGATCCTACCT R: CGGTAACACGGCCCTTTCT	79
Latent transforming growth factor beta binding protein 2	<i>LTBP2</i>	NM_174385.2	F: CAGTCGAGTTCAGCGAGATCTG R: TCTGTGTACGTGGTCTGTCCAAAC	88
Latent transforming growth factor beta binding protein 3	<i>LTBP3</i>	NM_001192738.1	F: CACTGCTGCCTTCAAGGAGATC R: TCACTTTCGCCCTGAATGGT	90
Latent transforming growth factor beta binding protein 4	<i>LTBP4</i>	XM_010814978.1	F: CACCATGGCCGATGTACTGAT R: CTTCGGTGTTAGTGCAATGGC	82
Nuclear receptor subfamily 2, group F, member 2	<i>NR2F2</i>	NM_174402.3	F: ACGGATCTTCCAAGAGCAAG R: TTCCACATGGGCTACATCAG	130
Retinoic acid receptor responder (tazarotene induced) 1	<i>RARRES1</i>	NM_001075430.2	F: AAGCCCCTTGAATGCAGTCA R: TGGGTCTCAGAGATGGAGCAA	65
Ribosomal protein L19	<i>RPL19</i>	NM_001040516.1	F: GATCCGGAAGCTGATCAAAG R: TACCCATATGCCTGCCTTTC	113
Transforming growth factor beta 1	<i>TGFB1</i>	NM_001166068.1	F: CTGCTGAGGCTCAAGTTAAAAGTG R: CAGCCGGTTGCTGAGGTAG	90
Transforming growth factor beta 1 induced transcript 1	<i>TGFB1I1</i>	NM_001035313.1	F: TCCCCTGTTCTCCCAAAGC R: GCCCTGAGGCTGGAAGATG	109
Transforming growth factor beta 2	<i>TGFB2</i>	NM_001113252.1	F: AAGCCAGAGTGCCTGAACAAC R: TTTCACGACTTTGCTGTCAATGT	101
Transforming growth factor beta 3	<i>TGFB3</i>	NM_001101183.1	F: TGCGTACCCAGGACTTG R: TGTTAGACAGCTGCTCCACTTTG	79

Transforming growth factor, beta receptor I	<i>TGFBR1</i>	NM_174621.2	F: CAGAGTGGGAACAAAAAGGTACATG R: CATTGCATAGATGTCAGCACGTT	100
Transforming growth factor, beta receptor II (70/80kDa)	<i>TGFBR2</i>	NM_001159566.1	F: AACGTAGTAACTCCCTGCACTG R: AAACAAACGTGGGTGTGACG	141
Transforming growth factor, beta receptor III	<i>TGFBR3</i>	XM_005204336.2	F: TGCACTTTCCTATCCCACAAGCCG R: CCAGATCATTGAGGCATCCAGCG	197

F is forward and R is the reverse primer sequence.