

Annexure II

List of Primers:

Genes	Annealing temperature, (°C)	Product Size (Base Pairs)	Primer sequences
<i>Chick</i>			
<i>Wt1</i>	60	170	F:5'-AAAACGCCCCTTCATGTGTG-3' R:5'-GTCCTTGGTGCCGTTTCAGT-3'
<i>Tbx18</i>	53.8	177	F:5'-TAATGCTGACTCCCCGGTAC-3' R:5'-TGGACACGAGGCTGGTATTT-3'
<i>Cfc</i>	60	635	F:5'-CTCAAGCTTTCCCGAAGGAATA-3' R:5'-G TTCAGCTTCACA ACTGCC-3'
<i>Tcf21</i>	56.1	305	F:5'-GGGTCCTCTCTGGATCTATATCAC-3' R:5'-GCCATTCTCGCCATTGGAT-3'
<i>Gata4</i>	59.2	360	F:5'-GTGTCACCTCGCTTCTCCTT-3' R:5'-GTGCCCTGTGCCATCTCT-3'
<i>Nkx2.5</i>	51.9	357	F:5'-TAGCCCTGTGACGACGACTC-3' R:5'-GGTTTCCTCCTCTTCCTCTGT-3'
<i>Mef2c</i>	56.1	304	F:5'-GAT TTC CAC TCT CCT GT-3' R:5'-TTA CCA TGG GAC ATC T-3'
<i>α-Sma</i>	60	563	F:5'-ACT GCT GCC TCT TCC TCC TCT-3' R:5'-CAC CGT ATC CAA TTA ACC AGC C-3'

<i>Periostin</i>	59.2	133	F:5'-TCGGTGGAAAAGTCTAAGAG-3' R:5'-TCTGCTGGCTTGATGATTTG-3'
<i>Flk-1</i>	51.9	186	F:5'-GAGTTTCCCAGAGACCGACT-3' R:5'-GAGGATCTTCAGCTCGGACA-3'
<i>Twist1</i>	58	153	F:5'-AGCTGAGCAAGATCCAGACC-3' R:5'-CCATTCTCCACACCGAGAAG-3'
<i>β-catenin</i>	56.1	231	F:5'-TACTGCAGGCACACTACACA-3' R:5'-TTTGTCTTGTTGAGCAGGGC-3'
<i>Wnt3a</i>	58	211	F:5'-CTTTTGCAGTGACCAGGTCC-3' R:5'-CCAGCTTCATTGTTGTGCCT-3'
<i>Wnt5a</i>	58	224	F:5'-GATACCGCTTTGCCAAGGAG-3' R:5'-GCCTACCTTGCGGAAATCAG-3'
<i>Dkk1</i>	51.9	166	F:5'-CCGGAGCAGAAGGTTGTTTC-3' R:5'-CTGGAAACTCAGCGCGTAC-3'
<i>Bmp2</i>	55	238	F:5'-GTTTGTGGTGGAGGTGGTTC-3' R:5'-GTCCACATAACAACGGATGCC-3'
<i>Tbx20</i>	56.1	276	F:5'-CAGGCAACGCAAAGCAGAG-3' R:5'-TTGGCATGTGGAAAGAAGG-3'
<i>Asporin</i>	51	328	F:5'-GCAACATTCCACCAGATAC-3' R:5'-AGAGGATTTGCACTCATTTC-3'
<i>Myh7</i>	58	156	F:5'-CCCCTCAATGAGACAGTGGT-3' R:5'-GGCTGAGACAGTCTGGAAGG-3'

<i>Coll1a1</i>	52.6	173	F:5'-GTACCTCAGCAAGAACCCCA-3' R:5'-AGTGGTAGGTGACGTTCTGG-3'
<i>Sm22α</i>	52.6	198	F:5'-ATGTTCCAGACCGTTGACCT-3' R:5'-GCCAATGATGTTCTTGCCCT-3'
<i>Vimentin</i>	53.8	201	F:5'-CCAGATGCGTGAAATGGAGG-3' R:5'-CTCTCTTCTCCCTCCAGCAG-3'
<i>Fibronectin</i>	56.9	232	F:5'-AGATGTTCCAAGGGACCTGG-3' R:5'-TCCACGACCAGTTACAGCAT-3'
<i>Alp</i>	53.8	248	F:5'-GCTAAGGATGAAGGCAAGGC-3' R:5'-TACTCCACATCGCTGGTGTT-3'
<i>N-cadherin</i>	57.1	219	F:5'-TTGGCTAAGGGGATTCAGCA-3' R:5'-TGCAGGGTCCGAAAGTTTTG-3'
<i>Adamts5</i>	183	60	F:5'-TCCTAGAAACAATGGCCGGT-3' R:5'-ACTCCAGCATACTTGGGGAC-3'
<i>Adamts9</i>	152	60	F:5'-ATTTGGATCCTGGACACCGT-3' R:5'-GTGTCACGGTGCACATTTCT-3'
<i>Osteopontin</i>	59.2	198	F:5'-GCAGCAGACACAGAATGACC-3' R:5'-TCTGTGGGGAAGTCTGTGAC-3'
<i>Runx2</i>	60.9	211	F:5'-CCCCGGCTCCTCCCAAACCAA-3' R:5'-CCGCCTCCACACCGTCACTCTG-3'
<i>Msx2</i>	53.8	162	F:5'-TCCCTTTCCCATCAACTCC-3' R:5'-TCACCGTGCCTTTCTGATCT-3'

<i>Osterix</i>	50.5	203	F:5'- CTATAGGGGCGGTTCGGG-3' R:5'- CTCGGGTCGGTGTTATGGAT-3'
<i>Smad1</i>	51	323	F:5'-GCAGGGAGATGAAGAAGA-3' R:5'-GCTTGTAGTGGTAAGGATTG-3'
<i>Smad5</i>	51	218	F:5'- GGAAACAAGGAGATGAAGAG-3' R:5'-CCAGACCCGACAGTAAA-3'
<i>Smad8</i>	50	254	F:5'- ACACCAGGAGACACATAG-3' R:5'- CATCTTCGTCAGCTCATATAC-3'
<i>Notch1</i>	53.8	233	F:5'- GACATCGATGAGTGCAACCC-3' R:5'- TCCAGGTTGATCTCGCAGTT-3'
<i>Sox9</i>	56.1	191	F:5'- CCGTTTTCTCCTCCCCTGAT-3' R:5'- CTCTTGAGGTCGGGTGTTCT-3'
<i>Gapdh</i>	56.1	176	F:5'- GGCATTGCACTGAATGACCAT-3' R:5'-TCTCCACCTCCCCCAGGTG- 3'
<i>β-actin</i>	55	139	F:5'-AGTACCCCATTTGAACACGGT-3' R:5'-ATACATGGCTGGGGTGTTGA-3'
Rat			
<i>β-catenin</i>	56.1	205	F:5'ACTGTTCTACGCCATCACCA-3' R:5'-ACCACTGGCCAGAATGATGA- 3'
<i>Gata4</i>	60	112	F:5'- AGGCCTCTTGCAATGCGGAA -3' R:5'- CGGGAGGAAGGCTCTCACTG - 3'
<i>Gapdh</i>	53.8	134	F:5'-TGGTCTACATGTTCCAGTATGACT-3'

			R:5'-CCATTTGATGTTAGCGGGATCTC-3'
--	--	--	---------------------------------