

<b>Gene name</b>	<b>Primer sequence</b>	<b>Size (bp)</b>
h $\beta$ -ACTIN	CAATGTGGCCGAGGACTTTG CATTCTCCTTAGAGAGAAGTGG	126
hRAR $\beta$	CTGTGAGGGATGTAAGGGC GTCTCCTTCTTTTTCTTGTTTCCTGTC	195
hBMP2	TGTATCGCAGGCACTCAGGTC CGGGTTGTTTTCCCACTCGTTTC	145
hBMP4	GACCACCTCAACTCAACCAACCA GGCACCCACATCCCTCTACTA	184
hBMP5	CTCACCAGCGAAGGCATTACA CAAAGACAAGCCAACCCACATC	240
hBMP6	AGCGTGGTGACAAGGGATG GGGACTGGGTAGAGCGATTA	187
hBMP7	CAAGATAGCCATTTCTCACC TCCGATTCCCTGCCCAAGT	257
<b>Mesendoderm</b>		
hBRACHYURY	AATTGGTCCAGCCTTGGAAT CGTTGCTCACAGACCACA	112
hGOOSECOID	GAGGAGAAAGTGGAGGTCTGGTT CTCTGATGAGGACCGCTTCTG	72
hMIXL1	TTGGTTCAAAGCTGGACTCA CTGTCAGTCATGGCTCCTCA	107
<b>Ectoderm</b>		
hSOX1	CACAACCTCGGAGATCAGCAA GGTACTTGTAATCCGGGTGC	133
<b>Endoderm</b>		
hSOX17	CAGCAGAATCCAGACCTGCA GTCAGCGCCTTCCACGACT	68

<b>Intermediate mesoderm</b>		
hOSR1	GCTGTCCACAAGACGCTACA CCAGAGTCAGGCTTCTGGTC	137
hPAX2	AGATTCCCAGAGTGGTGTGG GGGTATGTCTGTGTGCCTGA	264
hLIM1	TCATGCAGGTGAAGCAGTTC TCCAGGGAAGGCAAACCTCTA	148
hWT1	GGCAGCACAGTGTGTGAACT CCAGGCACACCTGGTAGTTT	136
hEYA1	GGACAGGCACCATACAGCTACC ATGTGCTGGATACGGTGAGCTG	189
hCITED2	CACCAATGGGCTGCACCATCAC GCCGCTCGTGGCATTTCATGTTG	157
hSALL1	AGCGAAGCCTCAACATTTCCAATCC AATTCAAAGAACTCGGCACAGCACC	147
<b>Lateral plate mesoderm</b>		
hKDR	TGATCGGAAATGACACTGGA CACGACTCCATGTTGGTCAC	131
<b>Metanephric mesenchyme</b>		
hSIX2	AGGAAAGGGAGAACAACGAGAA GGGCTGGATGATGAGTGGT	132
hHOXD11	TGGAACGCGAGTTTTTCTTT CTGCAGACGGTCTCTGTTCA	149
<b>Nephric duct and ureteric bud</b>		
hSALL4	CAGATCCACGAGCGGACTCA CCCCGTGTGTCATGTAGTGA	109
hHOXB7	GTGGACTGTGGGTCTGGACT GAACACGCGAGTGGTAGGTT	114

<b>Metanephric stroma</b>		
hFOXD1	TGCGGGTCCCTCTATTTATG TAACGCCTGGACCTGAGAAT	190
<b>Gonad and adrenal cortex</b>		
hDAX1/NR0B1	CAAGGAGTACGCCTACCTCA GCGTCATCCTGGTGTGTTC	131
hSF1/NR5A1	CAGGAGTTTGTCTGCCTCAA GCACAGGGTGTAGTCAAGCA	126
hHSD3 $\beta$ 2	GAGCCATTCCTGAAAAGAGC GATGAAGACTGGCACACTGG	168
hGATA4	CTGTCATCTCACTACGGGCA GGGAGACGCATAGCCTTGT	132
hGATA6	CATGACTCCAACCTCCACCT ACTTGAGCTCGCTGTTCTCG	146
hLHX9	GCGAACCTCTTTCAAGCATC TCCTTCTGAATTTGGCTCGT	164

Gene names and primer sequences (5'-3') for RT-PCR and qRT-PCR are shown.