

Table S2. Primers for real-time RTPCR amplification of selected homeobox gene mRNAs				
Homeobox gene	Accession number	Forward primer	Reverse primer	Boundary
Anatomical Structure Morphogenesis				
En1	NM_010133	GTCTACTGCACACGCTATTC	CTCCGCCTTGAGTCTCT	Exon 1-2
Hoxc10	NM_010462	GTCCAGACACCTCGGAT	TCTCCAATTCCAGCGTCT	Exon 1-2
Hoxc13	NM_010464	GGTGTACTGCTCCAAGGA	TCAGCTGCACCTTGGTAT	Exon 1-2
Hoxd3	NM_010468	CTTCCCCTGGATGAAAGAATC	AGCTGAGCACTCGTGTA	Exon 2-3
Lbx1	NM_010691	TCGCCAGCAAGACCTTTA	CGTGATTTTCGCCGTTTC	Exon 1-2
Pitx1	NM_011097	AGCCGCTGGAGAACTC	TTCTTAGCTGGGTCTCTG	Exon 1-2
Pou5f1	NM_013633	GCAGAAGGAGCTAGAACAGT	TCGAAGCGACAGATGGT	Exon 2-3
Six2	NM_011380	GCAAGTCAGCAACTGGTT	CTTGCCACTGCCATTGA	Exon 1-2
Six4.	NM_011382	AGGTCAGCAACTGGTTCA	ATCCTCATGTCCCTTGCT	Exon 1-2
Organ Morphogenesis				
Cdx1,	NM_009880	AGTTTCACTACAGCCGGT	TTTACTTTGCGCTCCTTGG	Exon 2-3
Cdx2,	NM_007673	AACCTGTGCGAGTGGAT	TGAAACTCCTTCTCCAGCTC	Exon 1-2
Lhx1	NM_008498	GAGGATTACCTGAGTAACAGC	GAGACGTTGGCACTTTCA	Exon 2-3
Pax3	NM_008781	AGCTGGGAAATCAGAGACA	TCCTTTCTAGATCCGCCTC	Exon 3-4
Pdx1	NM_008814	CTTTCCCGTGGATGAAATCC	TTCTTCTCCAGCTCCAG	Exon 1-2
Pitx2	NM_011098	AAAGGTCGAGTTCACGGA	GCCCACATCCTCATTCTT	Exon 3-4
Pitx3	NM_008852	CCTCCGCTTCCAGAACAT	GGCTGGTGAAGTGCGT	Exon 2-3
Prox1	NM_008937	CATAAAGTCTGAGTGTGGAGATC	GGTAGCGGGTGTAAGAAGAAC	Exon 2-3
Six6	NM_011384	AAACCGCAGACAAAGAGAC	ACGCCAACACCTCAGGC	
Body Pattern				
Hhex	NM_008245	TTCTCCAACGACCAGACC	TCGGCGATTCTGAAACCA	Exon 2-3
Hoxb1	NM_008266	TTGCTCGTCAGAACCCA	GTGAAGTTTGTGCGGAGA	Exon 1-2
Lmx1b	NM_010725	CTTCCAACAGGGCCTCA	GGGAGGTATCACTATCAATATCGT	Exon 7-8
Ectoderm Development				
Vax2	NM_011912	CGCTCGGTGAGACAGA	GGCAAGACAATTTCCCGA	Exon 1-2
Brain Development				
Alx1,	NM_172553	TTTACGGCAAAGCGACG	CTGTCTTCCACTTTGGT	
Dlx2,	NM_010054	ACGACGCTTCCAGAAGA	GCCGCTTTTCCACATCTT	Exon 2-3
Dmbx1	NM_130865	CATGTACAACCTGCACCA	CGGGCCTCCAAGATGA	Exon 2-3
Hesx1	NM_010420	GAGCATTTTAGGACTGGACC	AGTCTCACTGGGAAGATCTG	
Otx2	NM_144841	CCAGACATCTTCATGAGGGA	CTCACTTTGTTCTGACCTCC	Exon 3-4
Six3	NM_011381	GTTTAAGAACCGGCGACA	GGACGGTGACTCTGCT	Exon 1-2
Nervous System Development				
Arx	NM_007492	CTGGGTCTGAGCACTTTT	GGTGTGGGCTGTCTCA	Exon 4-5
Dlx5	NM_198854	GCCAGCCAGCTTTTCAG	GAAACCAGATTTTACCTGTG	Exon 2-3
Dlx6	XM_355743	TCAATACCTGGCCCTTCC	CACTCTCGTGTGGTTACTA	exon 4-5
Otp	NM_011021	GGAACAGCTTTTCGCCCT	ACACCCAGCCTACACTT	Exon 1-2

Phox2b	NM_008888	ACTACCCTGACATCTACACC	CTCCTGCTTGCGAACTT	xon 2-3
Prop1	NM_008936	AAGCAAACGAAGGGTCATG	AAAGCTTAGGTCTCCCA	Exon 1-2
Shox2	NM_013665	GGAGCTGGACATGGGA	GCCTCTGCTTGATTTTGGTC	Exon 1-2
Skeletal Development				
Alx4	NM_007442	GCGCATCTCTACTTGCAGA	CTCACCCAGGTTGCTCT	Exon 2-3
Dlx3	NM_010055	TCGCCAAGTCGGAATAT	GCTTGCCGTTCCACCAT	Exon 2-3
Hoxd13	NM_008275	GGTGTACTGTGCCAAGGAT	TGCAGTTTGGTGTAAAGC	Exon 1-2
Msx2	NM_013601	CTCGGTCAAGTCGGAAAA	GGTTGGTCTTGTGTTTCCTC	Exon 1-2
Muscle Development				
MKX	NM_177595	TGAACGGCTGAGTGTGA	GCTGAGCTTTCCCCTTTA	Exon 4-5
SIX1	NM_009189	GTTTAAGAACCGGAGGCA	TCTGAGCTGGACATGAGC	Exon 1-2
Heart Development				
ISL1	NM_021459	AGTCATCCGAGTGTGGTT	CATGGGAGTTCCTGTCATC	Exon 4-5
development				
Alx3	NM_007441	CCACTTCTACGAGGGCT	GGGAAGCTTGCACATTAGAG	Exon 1-2
Barx1	NM_007526	TCGAGAAGCAGAAGTACCTC	CCACCTTGCAGCACTATT	Exon 3-4
Cdx4	NM_007674	TTTCTCTTGACTCCGGCA	GTAGACCACACGATACTTTTCT	Exon 1-2
Cux1	NM_009986	CCCTCAGCATCCAAGAAT	CCAAAATGGTCTCCCAA	Exon 21-22
Dlx1	NM_010053	TTGCAGGCTTTGAACCG	TTGGAGCGTTTGTCTGG	Exon 2-3
Dlx4	NM_007867	GCAGCTCCAACACCTGAA	GGAGCGTTTGTCTGAAACC	Exon 2-3
Emx1	NM_010131	AGCGAGCCTTTGAGAAGA	CAGCTTCTGCCGTTTGTA	Exon 2-3
EMX2	NM_010132	GCTACCGATATCTGGGTCA	GCGTGCTCTAGCCTTAAAAG	Exon 1-2
En2	NM_010134	CTTGGGTCTACTGCACG	CCGCTTGTCTCTTTGTT	Exon 1-2
Hoxa7	NM_010455	AGCCAGTTTCCGCATCTA	AGGTAGCGGTTGAAATGGA	Exon 1-2
Hoxa9	NM_010456	CGCCTTCTCCGAAAACAA	AGCGTCTGGTGTTTTGTG	Exon 1-2
Hoxb3	NM_010458	ACGTCCAAGCTGAAAAACAG	GCTCTTGTCCCCTCCC	Exon 1-2
Hoxb4	NM_010459	GTGCAAAGAGCCCGTC	GAAACTCCTTCTCCAACCTCC	Exon 1-2
Hoxb8	NM_010461	GCCCACACAGCTCTTT	TTGCGAGTCAGATAGGGAT	Exon 1-2
Hoxb9	NM_008270	AGGAAGCGAGGACAAAGA	AACTCCTTCTCTAGCTCCAG	Exon 1-2
Hoxc6	NM_010465	AGATTTACCCCTGGATGCA	GTTAGGTAGCGGTTGAAGTG	Exon 1-2
Hoxc8	NM_010466	CACTAACAGTAGCGAAGGAC	AGTTCCAAGGTCTGATACCG	Exon 1-2
Hoxc9	NM_008272	GCAAGCACAAAGAGGAGA	GAAACTCCTTCTCCAGTTCC	Exon 2-3
Hoxd1	NM_010467	GAGTGGATGAAAGTGAAGAGG	GAAATTTGTGCGGATGGC	Exon 1-2
Hoxd4	NM_010469	TGGTCTACCCTTGGATGAAG	ACTTGCTGTCTGGTGTAGG	Exon 5-6
Hoxd9	NM_013555	GCTGCTCGCTGAAGGA	CGTCTGGTATTTGGTGTAGG	Exon 1-2
Isl2	NM_027397	GAACAAGCGTTGCAAGGA	CGTTCTCATGGCCGATG	Exon 4-5
Lmx1a	NM_033652	AAAGAGCCCCTGGAGAC	GCACGCATGACAACTCA	Exon 2-3
Meis1	NM_010789	GGAAAATGCCTATCGATTTGG	AGTGGATGCCGTGTCAT	Exon 6-7
Meox1	NM_010791	AGCTGGAGGCAGAGTTT	CCTTCACACGTTTCCACT	Exon 2-3

Nkx3-1	NM_010921	AGAGCCCGACAAAGCAGG	CCCCTGGATTATGTTACACAG	Exon 1-2
Otx1	NM_011023	AGGGCAGTAGAAAGGTGATC	GCGGCTTTTCACCATCTA	Exon 1-2
Tlx1	NM_021901	CAAGGCGCTCAAATGAC	CCTCACGTTCCCTGCT	Exon 2-3
Vax1	NM_009501	TAAATCCAATTCCTCAGCGG	TGAAGGACGTGCGAGT	Exon 1-2
Vsx1	NM_054068	GCCACTGCATTCCACT	GTCCTGCCAACTTGTCTT	Exon 4-5
differentiation				
Hlx	NM_008250	CCTTAAGCTCCAACCCAAGA	TTGGAAAAGACAGCACGG	Exon 2-3
Hopx	NM_175606	CTATTTAAGCAGACAGGCACC	AGTTGTACTCCAGGATCTCC	Exon 1-2