

<b>Table S3. Primers for real-time PCR amplification of homeobox gene promoters for ChIP analyses.</b>						
<b>Function</b>	<b>Gene name</b>	<b>Accession number</b>	<b>Forward</b>	<b>Reverse</b>	<b>PCR size</b>	<b>Location</b>
	Arx	NM_007492	AATTTGGCTCTAGTGCGTGCCA	GCAAAGCGCGAACTGGATTT	83	1526-1608
<b>Nervous System Development</b>	Arx		AAAGTCAAGGCCGTAGCTGTCT	ATTGGACCCAACCCTGAGTGAA	107	572-678
<b>Development</b>	Dlx1	NM_010053	AGGAAGGTTGGGAGGGAAAGGA	TCTGATCAAAGCAGTGCGCGT	101	1558-1658
<b>Brain Development</b>	Dlx2	NM_010054	ATGGCGCGCACTAGCACAAATTT	TGGTGGACAGTGTAGGAGGTTGTT	120	243-372
	Dlx4	NM_007867	ACCAACAAACTGCCATCGCT	ACGCTTTGGAGACTCAGAACCT	159	1251-1409
	Dlx5	NM_198854	ACTGCCATCTAACACTGCTCCT	TTCTTGCTCCACACCTACCAGT	108	1052-1160
	Dlx5		TGCTGCGTGTCCAAGTGT	AGGAGCAGTGTAGATGGCAGT	127	948-1074
	Dmbx1	NM_130865	AGCCAGCAATGACGGAACGATA	TCTGGAACATCTACGCAGCTCA	116	1409-1524
	Emx1	NM_010131	TGGCTCAAGAGTGGATTCTGCT	AACAACAGCACACGCAGGTACA	156	1427-1582
	Emx2	NM_010132	TTGGCAAAGGGTGTGTGTGT	TTGGCTCACGCTGAGGCATAAT	134	638-771
	Emx2		AAACTCTTGGGTGCAAGCTGGA	TCCACGCGTTTGCAGTCTTT	112	1118-1229
	Emx2		AAAGACTGCAAACGCGTGA	AACCCGCTTCACTCCTACCAAT	135	1210-1345
<b>Anatomical Structure Morphogenesis</b>	En1	NM_010133	AATGCCCAGAATACAGCAGCGT	TGGCCGGCTGAAGATTCAACAA	142	239-380
	En1		ATTTATCCGCAAAGTCCCGC	TTTGCCTTCAAACCGGAAGCAC	124	1257-1380
<b>Differentiation</b>	Hlx	NM_008250	TCTGGTGAGCTGAGAAACCA	TTCCGCTCTCATGCGACTTT	150	1078-1227
	Hlx		TCAGTACTCAGCTTAGCCAC	TCATTGGACGTCTTCGTGACCA	136	1454-1589
	Hoxa9	NM_010456	ACAGAGGCAAGGCCAGATTTGA	TTATGCAAAGGGATCGCGCA	90	1391-1483
	Hoxb2	NM_134032	TTTGGAAAGCTGATTGAGGGTGG	ATCCCAGACACGCTTCATTCT	129	1219-1347
	Hoxb3	NM_010458	TGCACACCCGTGTGTATTTCCA	ACACGCAAACGCTGCCCTTAT	118	532-649
	Hoxc12	NM_010463	TCCTGTGATTCTGTCTGCGT	TGCACACACTTGCACACACA	159	113-271
	Hoxc13	NM_010464	AGGAGACCCAGGCTTAGCATCA	GCATGCGGACACACTTCATT	115	1532-1646
	Hoxd1	NM_010467	TCGCGTGCCAGCCTTCTAAATA	TTTGTGGCGACGTGGTGAGAAT	156	884-1039
	Hoxd1		CACCTTTGGCTAAGTTGGCAGCA	AGCCCGAGGTAATAGTGGCTT	143	1551-1693
	Hoxd12	NM_008274	TGAGCAGTTTGTGCCGCTTT	AAAGGCACTTGGCAGCAAGGA	107	1018-1124
<b>Body Pattern</b>	Hoxd8	NM_008276	AGTCTCTGCTGGGCAGATCCA	ATAAAGCCGCACTGCCAAGG	163	
	Hoxd9	NM_013555	TGGGCAACTTGTAGAGCGAGGAAT	TGCCATTGTCACTCCCAAA	111	571-681
	Hoxd9		AACCGGTCTCACTGGCCTTTA	ATGGCCATGGTGCCTCATCTTT	96	889-984
	Isl2	NM_027397	TCTGTGAGTCTCTGGACAGGAA	TTGCACACGCTTGCACACAT	143	1096-1238
	Lbx1	NM_010691	GTGCAAGATTGCAGAAGGAGGT	GGGAACAATTGGAGGGCTCA	125	346-470
	Lmx1b	NM_010725	TCCTGCTATTCCAGGACGAA	AACTAGAAGACGTGCGCATCGGGAA	80	177-256
	Lmx1b		CGCTCCTCCTACTCCT	GCCTGTCACCTGCTTGTGAG	83	1587-1669
	Nkx3.1	NM_010921	TGTCCTGGAACACTCTGT	AGTGGTGGCGCATGCCTTTAAT	92	1087-1178
	Nkx3.1		ACTGCCAGCGAGTGTAT	TCCCAGCTGGACACATCTAGACAA	143	1176--1318
	Phox2b	NM_008888	AGCTCTTGGAAATTGGATCAGGG	TTCTAACAGCTCCTGCCCTTT	92	1279-1370
	Pitx1	NM_011097	AAGTCCCTGGGCCAGTTAACAA	TCTCCCGATACACTGCTAGGAA	165	463-627

<b>Organ Morphogenesis</b>	Pitx3	NM_008852	AAAGCACAGCCCAGGCAAAT	AGTAACAACGATGCCTCCCT	112	725-836
	Prop1	NM_008936	GGCTCTGGTGACCAAGAAGTGATT	ACTTCCCGATGCTGCTCTGTTT	128	1557-1684
	Shox2	NM_013665	TTCCGAGGTGCTGCAATGAA	ATTCCGTTCCCTGCACCCTTT	107	854-960
	Six6	NM_011384	AGAACGAGCTTTACCCTGCACT	AGTACACGTTGTATGCCGGCT	120	99-218
<b>Muscle Development</b>	Slx1	NM_009189	TGACTTGGTCACCACCCTTT	TACCGAGTGCTGCCTAGGATAAGA	116	1362-1477
	Slx1		ACTGCAAGAGACAGGGCTAA	AAAGGGTGGTGACCAAGTCAGGA	142	1240-1381
	Vax1	NM_009501	ATTCTCAGCCAAACCTCCCA	TTCCCGGCCCTCATTACAAA	107	108-214