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SUPPLEMENTARY MATERIAL

corresponding to:

**Bone morphogenetic protein 4 promotes craniofacial
neural crest induction from human pluripotent stem cells**

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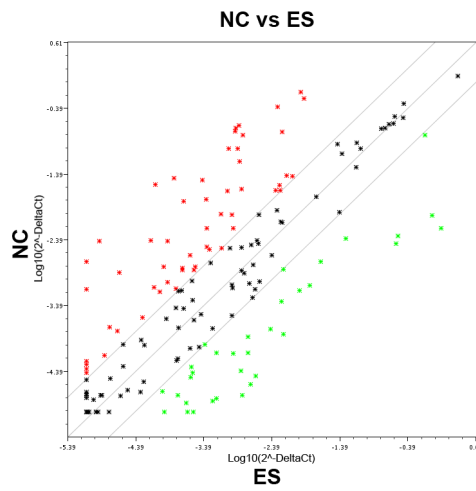
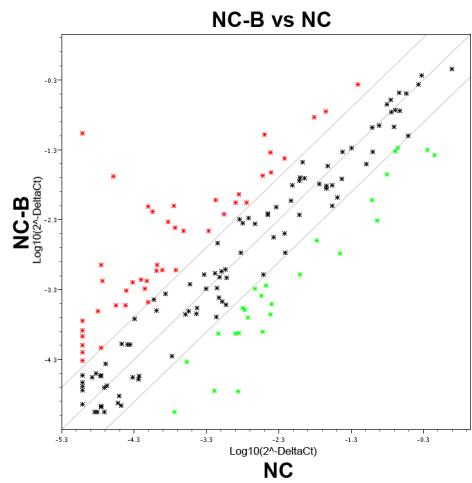
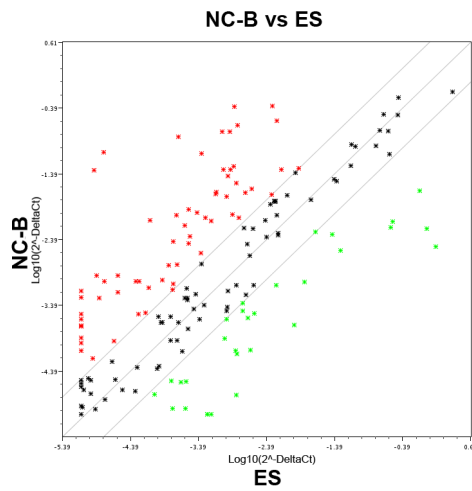


TABLE S1

PRIMER LIST FOR QRT-PCR

Gene	forward	reverse
<i>AP2α</i>	AATTTCTCAACCGACAACATT	ATCTGTTTTGTAGCCAGGAGC
<i>CDX2</i>	CTGGAGCTGGAGAAGGAGTTTC	ATTTTAACCTGCCTCTCAGAGAGC
<i>DLX1</i>	AGTTTGCAGTTGCAGGCTTT	CCCTGCTTCATCAGCTTCTT
<i>FOXD3</i>	CAGCGGTCGGCGGGAGG	TGAGTGAGAGGTTGTGGCGGATG
<i>GAPDH</i>	CAAAGTTGTCATGGATGACC	CCATGGAGAAGGCTGGGG
<i>MSX1</i>	GGATCAGACTTCGGAGAGTGAAC	GCCTTCCCTTTAACCCCTCAC
<i>NANOG</i>	TGAACCTCAGCTACAAACAG	TGGTGGTAGGAAGAGTAAAG
<i>OCT4</i>	GACAGGGGGAGGGGAGGAGCTAGG	CTTCCTCCAACCAAGTTGCCCAAA
<i>PAX3</i>	TTGCAATGGCCTCTCAC	AGGGGAGAGCGCGTAATC
<i>PAX6</i>	GTCCATCTTTGCTTGGGAAA	TAGCCAGGTTGCCAAGAAGCT
<i>p75</i>	TCATCCCTGTCTATTGCTCCA	TGTTCTGCTTGCAGCTGTTC
<i>SOX9</i>	AATGGAGCAGCGAAATCAAC	CAGAGAGATTTAGCACACTGATC
<i>SOX10</i>	GACCAGTACCCGCACCTG	CGCTTGTCACTTTTCGTTTCCAG



Suppl. Fig. S1. Comparison of the gene expression profiles of the ES cells and the cells induced by NC and NC-B condition. Scatter plots compares the normalized expression of every gene on the array (refer to Table S3). The central line indicates unchanged gene expression and the boundary indicates 4 fold regulation cut-off.

TABLE S2

GENE LIST ANALYZED IN THIS STUDY

TABLE S2 (CONTINUED)

GENE LIST ANALYZED IN THIS STUDY

Gene Symbol	Gene Description	Ref. seq.	Cat #
ACTA2	Actin, alpha 2, smooth muscle, aorta	NM_001613	PPH01300
ADAM10	ADAM metalloproteinase domain 10	NM_001110	PPH13517
AFP	Alpha-fetoprotein	NM_001134	PPH02413
ALK	Anaplastic lymphoma receptor tyrosine kinase	NM_004304	PPH19510
ALX1	ALX homeobox 1	NM_006982	PPH09155A
ALX4	ALX homeobox 4	NM_021926	PPH16521B
ARX	Aristaless related homeobox	NM_139058	PPH13050B
ASCL1	Achaete-scute complex homolog 1 (Drosophila)	NM_004316	PPH07090
B3GAT1	Beta-1,3-glucuronyltransferase 1 (glucuronosyltransferase P)	NM_018644	PPH18636
BARX1	BARX homeobox 1	NM_021570	PPH13300B
CASP8	Caspase 8, apoptosis-related cysteine peptidase	NM_001228	PPH00359
CDH2	Cadherin 2, type 1, N-cadherin (neuronal)	NM_001792	PPH00636
CDH10	Cadherin 10, type 2 (T2-cadherin)	NM_006727	PPH06120
CDX1	Caudal type homeobox 1	NM_001804	PPH01470F
CDX2	Caudal type homeobox 2	NM_001265	PPH13618B
CUX1	Cut-like homeobox 1	NM_181552	PPH20838A
CXCR4	Chemokine (C-X-C motif) receptor 4	NM_003467	PPH00621
DLX1	Distal-less homeobox 1	NM_178120	PPH19313B
DLX2	Distal-less homeobox 2	NM_004405	PPH01943F
DLX3	Distal-less homeobox 3	NM_005220	PPH12260A
DLX4	Distal-less homeobox 4	NM_001934	PPH13535B
DLX5	Distal-less homeobox 5	NM_005221	PPH10778A
DLX6	Distal-less homeobox 6	NM_005222	PPH15032B
DMBX1	Diencephalon/mesencephalon homeobox 1	NM_147192	PPH18347B
DNMT3A	DNA (cytosine-5)-methyltransferase 3 alpha	NM_022552	PPH02339
DRGX	Dorsal root ganglia homeobox	NM_001080520	PPH58294A
EMX1	Empty spiracles homeobox 1	NM_004097	PPH18412A
EN1	Engrailed homeobox 1	NM_001426	PPH00986F
EN2	Engrailed homeobox 2	NM_001427	PPH00975F
ESRRB	Estrogen-related receptor beta	NM_004452	PPH05885
FOXD3	Forkhead box D3	NM_012183	PPH19954
FOXP4	Forkhead box O4	NM_005938	PPH02002
GATA4	GATA binding protein 4	NM_002052	PPH01476
GATA6	GATA binding protein 6	NM_005257	PPH06943
GFAP	Glial fibrillary acidic protein	NM_002055	PPH02408
GSC	Goosecoid homeobox	NM_173849	PPH01920
HAND2	Heart and neural crest derivatives expressed 2	NM_021973	PPH06919
HES5	Hairy and enhancer of split 5 (Drosophila)	NM_001010926	PPH57965
HESX1	HESX homeobox 1	NM_003865	PPH13514A
HHEX	Hematopoietically expressed homeobox	NM_002729	PPH11416A
HLX	H2.0-like homeobox	NM_021958	PPH09923A
HOPX	HOP homeobox	NM_139211	PPH05936A
HOXA1	Homeobox A1	NM_005522	PPH01464B
HOXA2	Homeobox A2	NM_006735	PPH23972
HOXA5	Homeobox A5	NM_019102	PPH02193
HOXA7	Homeobox A7	NM_006896	PPH21346A
HOXA9	Homeobox A9	NM_152739	PPH06308F
HOXB1	Homeobox B1	NM_002144	PPH01465F
HOXB2	Homeobox B2	NM_002145	PPH05804A
HOXB3	Homeobox B3	NM_002146	PPH06327A
HOXB4	Homeobox B4	NM_024015	PPH02663A
HOXB5	Homeobox B5	NM_002147	PPH12754
HOXB7	Homeobox B7	NM_004502	PPH20548A
HOXB8	Homeobox B8	NM_024016	PPH06313A
HOXB9	Homeobox B9	NM_024017	PPH16885A
HOXC6	Homeobox C6	NM_004503	PPH06331E
HOXC8	Homeobox C8	NM_022658	PPH14986A
HOXC9	Homeobox C9	NM_006897	PPH09128A
HOXC10	Homeobox C10	NM_017409	PPH09247A
HOXC11	Homeobox C11	NM_014212	PPH11831A
HOXC12	Homeobox C12	NM_173860	PPH18669A
HOXC13	Homeobox C13	NM_0117410	PPH11411B
HOXD1	Homeobox D1	NM_024501	PPH10278A
HOXD3	Homeobox D3	NM_006898	PPH10521A
HOXD4	Homeobox D4	NM_014621	PPH18797A
HOXD8	Homeobox D8	NM_019558	PPH16509A
HOXD9	Homeobox D9	NM_014213	PPH14792A
HOXD11	Homeobox D11	NM_021192	PPH19882A
HOXD12	Homeobox D12	NM_021193	PPH21922A
HOXD13	Homeobox D13	NM_000523	PPH12851F
ISL1	ISL LIM homeobox 1	NM_002202	PPH02461F
ISL2	ISL LIM homeobox 2	NM_145805	PPH23356A
KLF4	Kruppel-like factor 4 (gut)	NM_004235	PPH18388
LBX1	Ladybird homeobox 1	NM_006562	PPH09070A
LBX2	Ladybird homeobox 2	NM_001009812	PPH57946B
LHX1	LIM homeobox 1	NM_005568	PPH21130A
LIN28A	Lin-28 homolog A (C. elegans)	NM_024674	PPH10338
LMX1A	LIM homeobox transcription factor 1, alpha	NM_177398	PPH22219C

Gene Symbol	Gene Description	Ref. seq.	Cat #
LMX1B	LIM homeobox transcription factor 1, beta	NM_002316	PPH12240A
MEIS1	Meis homeobox 1	NM_002398	PPH13440B
MEOX1	Mesenchyme homeobox 1	NM_004527	PPH07000B
MIXL1	Mix paired-like homeobox	NM_031944	PPH15840A
MKX	Mohawk homeobox	NM_173576	PPH11883A
MPZ	Myelin protein zero	NM_000530	PPH10536
MSI1	Musashi homolog 1 (Drosophila)	NM_002442	PPH13090
MSX1	Msh homeobox 1	NM_002448	PPH02118F
MSX2	Msh homeobox 2	NM_002449	PPH02139F
MYC	V-myc myelocytomatosis viral oncogene homolog (avian)	NM_002467	PPH00100
MYCN	V-myc myelocytomatosis viral related oncogene, neuroblastoma derived (avian)	NM_005378	PPH00199
MYF5	Myogenic factor 5	NM_005593	PPH01625
MYF6	Myogenic factor 6 (herculin)	NM_002469	PPH09037
MYOD1	Myogenic differentiation 1	NM_002478	PPH00046
MYOG	Myogenin (myogenic factor 4)	NM_002479	PPH07162
NANOG	Nanog homeobox	NM_024865	PPH17032
NCAM1	Neural cell adhesion molecule 1	NM_000615	PPH00639
NES	Nestin	NM_006617	PPH02388
NEUROG1	Neurogenin 1	NM_006161	PPH02437
NEUROG2	Neurogenin 2	NM_024019	PPH11564
NEUROG3	Neurogenin 3	NM_020999	PPH58110
NGFR	Nerve growth factor receptor	NM_002507	PPH00821
NKX2-1	NK2 homeobox 1	NM_003317	PPH00246
NKX2-2	NK2 homeobox 2	NM_002509	PPH01574
NKX3-1	NK3 homeobox 1	NM_006167	PPH02267C
NTRK1	Neurotrophic tyrosine kinase, receptor, type 1	NM_002529	PPH01553
NTRK2	Neurotrophic tyrosine kinase, receptor, type 2	NM_006180	PPH01552
NTRK3	Neurotrophic tyrosine kinase, receptor, type 3	NM_002530	PPH01551
OLIG2	Oligodendrocyte lineage transcription factor 2	NM_005806	PPH02421
OTP	Orthopedia homeobox	NM_032109	PPH11934B
OTX1	Orthodenticle homeobox 1	NM_014562	PPH21283A
OTX2	Orthodenticle homeobox 2	NM_021728	PPH16151B
PAX3	Paired box 3	NM_181461	PPH06927B
PAX6	Paired box 6	NM_000280	PPH02598
PAX7	Paired box 7	NM_002584	PPH06872
PAX8	Paired box 8	NM_003466	PPH06908
PDHX	Pyruvate dehydrogenase complex, component X	NM_003477	PPH02452A
PHOX2B	Paired-like homeobox 2b	NM_003924	PPH10361A
PITX1	Paired-like homeodomain 1	NM_002653	PPH10300A
PITX2	Paired-like homeodomain 2	NM_000325	PPH02783A
PITX3	Paired-like homeodomain 3	NM_005029	PPH12380B
POU4F1	POU class 4 homeobox 1	NM_006237	PPH14485
POU5F1	POU class 5 homeobox 1 (OCT4)	NM_002701	PPH02394E
PROP1	PROP paired-like homeobox 1	NM_006261	PPH13087B
PROX1	Prospero homeobox 1	NM_002763	PPH02418A
PRPH	Peripherin	NM_006262	PPH09060
RASSF1	Ras association (RalGDS/AF-6) domain family member 1	NM_007182	PPH08711
RUNX1	Runt-related transcription factor 1	NM_001754	PPH01908
RUNX2	Runt-related transcription factor 2	NM_004348	PPH01897
SHOX	Short stature homeobox	NM_000451	PPH11012A
SHOX2	Short stature homeobox 2	NM_003030	PPH09533A
SIX1	SIX homeobox 1	NM_005982	PPH09458A
SIX2	SIX homeobox 2	NM_016932	PPH10860A
SIX3	SIX homeobox 3	NM_005413	PPH05910B
SIX4	SIX homeobox 4	NM_017420	PPH15728A
SIX6	SIX homeobox 6	NM_007374	PPH14133B
SNAI1	Snail homolog 1 (Drosophila)	NM_005985	PPH02459
SNAI2	Snail homolog 2 (Drosophila)	NM_003068	PPH02475
SOX1	SRY (sex determining region Y)-box 1	NM_005986	PPH02390
SOX2	SRY (sex determining region Y)-box 2	NM_003106	PPH02471
SOX8	SRY (sex determining region Y)-box 8	NM_014587	PPH14896
SOX9	SRY (sex determining region Y)-box 9	NM_000346	PPH02125
SOX10	SRY (sex determining region Y)-box 10	NM_006941	PPH02458
SOX17	SRY (sex determining region Y)-box 17	NM_022454	PPH02451
SP7	Sp7 transcription factor	NM_152860	PPH00705
T	T, brachyury homolog (mouse)	NM_003181	PPH02753
TBX3	T-box 3	NM_016569	PPH11992
TERT	Telomerase reverse transcriptase	NM_198253	PPH00995
TFAP2A	Transcription factor AP-2 alpha (activating enhancer binding protein 2 alpha)	NM_003220	PPH06072
TH	Tyrosine hydroxylase	NM_000360	PPH02062
TLX1	T-cell leukemia homeobox 1	NM_005521	PPH10424A
TP53	Tumor protein p53	NM_000546	PPH00213
TUBB3	Tubulin, beta 3	NM_006086	PPH02607
Twist1	Twist homolog 1 (Drosophila)	NM_000474	PPH02132
VAX1	Ventral anterior homeobox 1	NM_199131	PPH21016B
VAX2	Ventral anterior homeobox 2	NM_012476	PPH15028A
VSX1	Visual system homeobox 1	NM_199425	PPH15562A
ZIC1	Zic family member 1	NM_003412	PPH09148

TABLE S3

GENE EXPRESSION ANALYSIS

Gene Symbol	average delta Ct value			SD		
	ES	NC	NC-B	ES	NC	NC-B
ACTA2	10,601	5,421	5,211	0,021	0,172	0,100
ADAM10	5,379	5,089	4,769	0,051	0,016	0,087
AFP	10,555	13,702	10,858	0,057	0,937	0,027
ALK	16,201	13,148	12,583	0,202	0,294	0,161
ALX1	9,935	7,688	8,254	0,284	0,130	1,067
ALX4	19,181	12,700	12,968	0,137	0,036	0,924
ARX	12,827	18,216	18,871	0,106	1,321	0,311
ASCL1	15,380	11,913	16,348	0,581	0,018	0,678
B3GAT1	12,998	12,676	14,760	0,245	0,192	0,151
BARX1	13,031	14,659	18,871	0,510	1,231	0,311
CASP8	10,659	10,088	8,984	0,016	0,281	0,050
CDH2	6,920	5,840	6,451	0,031	0,014	0,013
CDH10	12,863	10,337	5,908	0,087	0,145	0,040
CDX1	14,485	11,608	11,302	0,418	0,417	0,750
CDX2	13,917	14,250	10,240	0,334	1,329	1,428
CUX1	5,774	5,589	5,335	0,211	0,160	0,283
CXCR4	10,762	7,775	8,412	0,168	0,050	0,050
DLX1	18,546	10,256	6,540	0,788	0,085	1,050
DLX2	14,439	8,249	4,851	0,699	0,355	0,820
DLX3	12,612	8,894	7,733	0,190	0,378	1,013
DLX4	10,798	10,373	9,496	0,071	0,533	1,194
DLX5	17,386	16,588	12,705	2,767	1,921	1,280
DLX6	14,668	14,474	10,657	0,668	1,554	1,156
DMBX1	11,618	11,751	17,897	0,228	0,442	2,460
DNMT3A	5,599	5,272	5,540	0,147	0,007	0,064
DRGX	19,181	16,313	17,301	0,137	0,894	1,802
EMX1	12,072	14,019	14,072	0,081	0,913	0,676
EN1	18,309	16,023	12,999	0,936	1,683	1,962
EN2	14,126	10,976	12,996	0,175	0,604	2,667
ESRRB	15,755	14,332	16,062	0,671	0,082	0,289
FOXD3	7,924	5,890	9,289	0,011	0,026	0,011
FOXO4	8,946	8,709	8,399	0,067	0,163	0,154
GATA4	12,181	17,501	6,382	0,495	3,036	0,080
GATA6	11,075	15,466	8,122	0,054	0,851	0,161
GFAP	15,130	17,135	20,091	0,403	0,621	0,087
GSC	14,743	15,944	13,131	0,277	0,113	0,128
HAND2	18,524	19,608	4,939	2,391	0,056	0,122
HES5	13,099	13,092	16,569	0,186	0,048	0,573
HESX1	6,516	10,106	10,576	0,285	0,175	0,711
HHEX	10,908	17,079	15,625	0,275	1,914	2,712
HIX	13,571	13,946	12,783	0,111	0,764	1,190
HOPX	14,681	14,636	10,117	0,677	0,898	1,988
HOXA1	14,030	12,274	12,488	0,342	0,914	1,045
HOXA2	14,271	9,826	12,760	0,163	0,084	0,316
HOXA5	20,187	16,651	14,848	0,039	0,447	0,002
HOXA7	13,392	15,485	14,051	0,087	0,936	1,817
HOXA9	19,181	18,170	14,070	0,137	1,400	2,483
HOXB1	13,160	10,679	13,330	0,250	0,709	2,595
HOXB2	11,614	7,623	7,166	0,251	0,400	1,755
HOXB3	14,669	12,798	12,285	0,359	0,386	1,686
HOXB4	16,385	17,351	13,810	0,351	0,648	3,083
HOXB5	16,152	15,186	11,181	0,322	0,229	0,102
HOXB7	14,709	16,196	12,577	0,922	2,274	2,212
HOXB8	17,370	15,471	11,866	1,545	1,448	2,795
HOXB9	11,485	11,862	8,927	0,019	1,030	1,315
HOXC6	12,025	15,934	12,627	0,094	1,640	3,458
HOXC8	16,353	15,497	12,157	0,657	2,856	2,597
HOXC9	19,181	16,492	14,425	0,137	1,663	2,849
HOXC10	13,961	18,887	14,541	0,593	0,230	3,707
HOXC11	19,181	18,887	17,460	0,137	0,230	1,944
HOXC12	19,099	18,887	18,508	0,178	0,230	0,775
HOXC13	18,428	18,025	11,865	1,436	1,590	1,610
HOXD1	16,531	17,882	17,689	0,885	1,835	1,111
HOXD3	19,181	18,035	17,147	0,137	1,250	2,416
HOXD4	19,181	16,716	15,655	0,137	1,953	2,439
HOXD8	18,817	18,275	17,041	0,535	0,507	1,656
HOXD9	15,360	18,887	16,413	1,306	0,230	2,661
HOXD11	14,248	18,887	15,675	0,971	0,230	2,481
HOXD12	18,712	18,887	17,133	0,797	0,230	1,733
HOXD13	18,599	18,887	16,025	1,139	0,230	2,342
ISL1	14,116	15,683	9,331	0,341	3,277	4,866
ISL2	14,099	17,121	18,555	0,437	1,349	0,883
KLF4	8,676	12,057	10,489	0,061	0,251	0,152
LBX1	18,481	18,038	18,610	1,343	1,245	0,525
LBX2	13,987	13,230	12,989	0,399	0,198	0,852
LHX1	11,559	18,031	15,816	0,079	1,639	0,685
LIN28A	2,188	2,640	3,820	0,452	0,121	0,044
LMX1A	12,169	10,609	15,046	0,492	1,648	3,302

TABLE S3 (CONTINUED)

GENE EXPRESSION ANALYSIS

Gene Symbol	average delta Ct value			SD		
	ES	NC	NC-B	ES	NC	NC-B
LMX1B	13,324	8,136	10,716	0,333	0,171	2,244
MEIS1	12,575	10,623	7,645	0,590	0,122	1,487
MEOX1	15,829	7,410	9,054	0,287	0,125	0,521
MIXL1	10,126	10,976	9,921	0,214	0,599	0,844
MKX	11,275	15,084	13,240	0,342	0,826	1,298
MPZ	12,558	5,970	8,357	0,026	0,023	0,144
MSI1	5,766	5,339	6,635	0,088	0,082	0,066
MSX1	12,307	7,724	4,570	0,163	0,723	1,021
MSX2	11,698	6,227	3,308	0,336	0,673	0,828
MYC	7,834	9,553	8,689	0,029	0,160	0,034
MYCN	4,842	4,529	7,558	0,069	0,027	0,046
MYF5	15,690	18,343	20,091	0,946	1,732	0,087
MYF6	15,472	19,608	20,091	0,319	0,056	0,087
MYOD1	18,777	16,052	18,093	0,453	1,151	2,738
MYOG	17,495	14,718	17,984	0,996	0,294	0,078
NANOG	16,311	13,572	20,091	0,799	0,426	0,087
NCAM1	9,782	6,160	6,254	0,211	0,084	0,181
NES	4,666	3,986	4,118	0,108	0,062	0,119
NEUROG1	17,777	11,671	13,682	0,384	0,201	0,109
NEUROG2	19,276	17,862	17,810	1,327	2,526	1,017
NEUROG3	14,262	19,608	20,091	0,000	0,056	0,087
NGFR	9,458	3,736	9,179	0,048	0,039	0,193
NKX2-1	20,187	19,608	18,846	0,039	0,056	1,673
NKX2-2	18,568	19,044	19,491	2,328	0,855	0,936
NKX3-1	11,053	13,106	10,267	0,326	0,494	1,246
NTRK1	19,047	15,434	11,151	1,573	0,477	0,395
NTRK2	14,735	12,127	7,833	0,608	0,148	0,003
NTRK3	10,603	12,291	10,207	0,152	0,374	0,316
OLIG2	12,706	11,457	14,339	0,106	0,011	0,128
OTP	19,181	17,270	18,431	0,137	1,903	0,954
OTX1	11,035	11,448	14,000	0,130	0,125	2,008
OTX2	3,975	9,992	9,126	0,140	0,573	1,501
PAX3	11,714	4,418	6,326	0,400	0,153	1,611
PAX6	11,360	12,967	16,017	0,205	0,369	0,188
PAX7	15,998	10,880	14,476	0,167	0,470	0,466
PAX8	15,623	6,976	14,467	0,008	7,239	0,109
PDHX	6,003	6,526	6,314	0,201	0,063	0,345
PHOX2B	18,692	18,887	17,827	0,832	0,230	1,840
PITX1	12,836	15,888	9,093	0,282	0,611	2,142
PITX2	10,931	12,674	10,837	0,208	0,362	2,442
PITX3	15,458	17,832	16,573	0,106	0,769	0,999
POU4F1	12,213	10,758	13,509	0,209	0,138	0,198
POU5F1 (OCT4)	2,314	8,937	9,496	0,082	0,556	0,872
PROP1	17,177	17,768	17,619	0,323	1,197	1,092
PROX1	9,880	8,702	7,767	0,039	0,205	0,692
PRPH	12,438	13,204	10,410	0,067	0,114	0,100
RASSF1	10,587	9,911	9,914	0,067	0,009	0,055
RUNX1	15,711	13,565	9,930	0,291	0,505	0,225
RUNX2	14,775	12,481	11,851	0,551	0,607	0,093
SHOX	14,781	16,281	17,165	0,248	0,794	1,640
SHOX2	14,442	13,652	14,207	0,752	0,409	0,520
SIX1	13,510	7,182	8,664	0,403	0,149	1,692
SIX2	13,112	11,344	8,920	0,302	0,693	2,571
SIX3	9,642	13,312	12,344	0,133	1,073	1,719
SIX4	6,688	5,854	7,090	0,271	0,160	0,527
SIX6	15,269	14,164	14,211	0,314	0,214	1,030
SNAI1	11,836	10,696	8,017	0,179	0,120	0,102
SNAI2	12,480	5,734	5,606	0,014	0,127	0,072
SOX1	16,454	13,362	20,091	0,438	0,681	0,087
SOX2	3,608	5,586	8,073	0,018	0,079	0,055
SOX8	10,102	7,656	9,063	0,004	0,098	0,017
SOX9	10,363	7,836	7,838	0,056	0,030	0,203
SOX10	9,619	3,217	6,171	0,031	0,071	0,155
SOX17	12,065	17,597	17,231	0,122	2,901	0,730
SP7	17,990	13,367	13,097	3,068	0,259	0,078
T	12,573	16,493	15,823	0,036	0,643	0,055
TBX3	14,211	11,233	5,441	0,389	0,112	0,071
TERT	9,384	13,386	16,636	1,002	0,164	0,346
TFAP2A (AP2 α)	10,953	4,343	4,087	0,842	0,119	0,139
TH	16,289	12,376	15,845	0,560	0,609	0,181
TLX1	19,181	18,887	14,993	0,137	0,230	1,986
TP53	5,223	4,934	5,955	0,097	0,005	0,097
TUBB3	4,703	4,664	5,075	0,014	0,086	0,158
TWIST1	12,864	5,325	5,563	0,031	0,022	0,019
VAX1	19,181	11,290	14,379	0,137	0,224	1,371
VAX2	16,034	10,203	13,727	1,700	0,263	0,744
VXS1	19,181	17,887	18,871	0,137	1,506	0,311
ZIC1	11,799	9,185	14,389	0,238	0,105	1,387