SUPPLEMENTARY MATERIAL

corresponding to:

Neuronal induction and regional identity by co-culture of adherent human embryonic stem cells with chicken notochords and somites

HOSSEIN SALEHI, KHADIJEH KARBALAIE, SHAHNAZ RAZAVI, SOMAIEH TANHAEE, MARZIYH NEMATOLLAHI, MOHSEN SAGHA, MOHAMMAD HOSSEIN NASR-ESFAHANI and HOSSEIN BAHARVAND

SUPPLEMENTARY TABLE 1

ANTIBODIES USED IN THIS STUDY

Primary Ab	Species	Clonality	Dilution	Source
OCT4	Rat	Monoclonal	1:50	R&D, MAB1759
SOX1	Rabbit	Polyclonal	1:50	Sigma-Aldrich, S8318
OTX2	Rabbit	Polyclonal	1:100	Sigma-Aldrich, HPA000633
PAX6	Mouse	Monoclonal	1:100	Chemicom, MAB5554
HOXB4	Rabbit	Polyclonal	1:150	Sigma-Aldrich, H0666
PAX7	Rabbit	Polyclonal	1:150	Sigma-Aldrich, AV32742
TUJ1 (β Tubulin III)	Mouse	Monoclonal	1:200	Sigma-Aldrich, T8660
TUJ1 (β Tubulin III)	Rabbit	Polyclonal	1:200	Sigma-Aldrich, T3952
Secondary Ab				
FITC anti-rabbit IgG	Goat	Polyclonal	1:60	Sigma-Aldrich, F1262
FITC anti-mouse IgG	Goat	Polyclonal	1:50	Chemicon, AP124F
FITC anti-goat IgG	Rabbit	Polyclonal	1:300	Chemicon, AP106F
TRITC anti-mouse	Goat	Polyclonal	1:50	Sigma-Aldrich, T7782
IgG Negative isotype control	Mouse	Monoclonal	1:200	Chemicom, CBL600

SUPPLEMENTARY TABLE 2

PRIMER SEQUENCES AND RT-PCR CONDITIONS

Gene	Primer sequence (5'→3')	AT (°C)	Length (bp)	Cycle	Accession No.
BRACHYURY	F:AATCCTCATCCTCAGTTTGG R:GTCAGAATAGGTTGGAGAATTG	58	140	35	NM_003181
FAXA2	F:CGACTGGAGCAGCTACTATG R:ATGGTGATGAGCGAGATGTA	48	470	35	NM_021784
GATA4	F:CCTGTCATCTCACTACGG R:GCTGTTCCAAGAGTCCTG	60	180	35	NM_002052
HOXB4	F:CGACACCCGCTAACAAATGA R:GTGCCCAGCTCCCAGAACTC	62	426	35	NM_024015
HOXC5	F:TCAAAGAGTCACAAATCACCC R:ATCCATAGTTCCCACAAGTT	60	148	35	NM_018953
HOXC8	F:CCTTTATGGGGCTCAGCAAGA R:TCCACTTCATCCTTCGGTTCTG	57	319	35	NM_022658
IRX3	F:CCGCCTTCTACCCGTATG R:GCCCAAGTCATCTTATTCTCC	60	237	35	NM_024336
MAP2	F:TGCCATCTTGGTGCCGA R:CTTGACATTACCACCTCCAGG	58	366	35	NM_002374
NESTIN	F:TCCAGGAACGGAAAATCAAG R:TTCTCTTGTCCCGCAGACTT	60	564	35	NM_006617
NKX2.2	F:CGATATTGTCAGCCGTCTTCTAA R:TGCCACCAGTTGTCAGAA	60	132	35	NM_002509
NKX6.1	F:GTTGGACAAAGACGGGAAGA R:CGAGTCCTGCTTCTTCTTGG	60	237	35	NM_006168
OCT4	F:CTGGGTTGATCCTCGGACCT R:CACAGAACTCATACGGCGGG	60	127	35	NM_001114955
OLIG2	F:CGACTCATCTTTCCTTCTCTAA R:CGCACTTACCTCATCATTG	60	174	35	NM_005806
OTX2	F:CTCTGAACCTGTCCACCC R:AGCAAGTCCATACCCGAA	60	163	35	NM_172337
PAX6	F:CAGCTCGGTGGTGTCTTTG R:AGTCGCTACTCTCGGTTTA	60	213	35	NM_001127612
PAX7	F:AAGATTCTTTGCCGCTACCA R:CACAGTGCTTCGGTCACAGT	62	191	35	NM_002584
SOX1	F:CCTCCGTCCATCCTCTG R:AAAGCATCAAACAACCTCAAG	60	200	35	NM_005986
SOX17	F:CGGTATATTACTGCAACTAT R:GGATTTCCTTAGCTCCTCCA	60	104	35	NM_022454
TUJ1	F:AAGCCAGCAGTGTCTAAACCC R:GGGAGGACGAGGCCATAAATA	54	110	35	NM_006086
β-ACTIN	F:CGTGACATTAAGGAGAAGCTGTGC R:CTCAGGAGGAGCAATGATCTTGAT	55	374	35	NM_001101