

Supplementary Table S1. Primer list

Name	Primers 5'-3'	Temperature (°C)	Size (bp)	NCBI ref. #
<i>CCND1</i>	5'-GACCGCTTCCTGTCCCTG-3' 3'-GTGGCACAGAGGGCGACGA-3'	66+72	316	NW_003609508.1
<i>CCND3</i>	5'-CAGCCAGACCAGCACTCCCA-3' 5'-CTCGGGCTTCGGCTGTGG-3'	71+72	153	NW_003610640.1
<i>CEND1</i>	5'-CGACAACCACAGCAACCTG-3' 5'-CCACACCGAGAATCAGG-3'	65+59	211	NM_213866
<i>GAPDH</i>	5'-TCGGAGTGAACGGATTTG-3' 5'-AGGTGGCGATCTCGATGTCC-3'	54+53	219	AF017079
<i>GFAP</i>	5'-TTGACCTGCGACGGGAGTC-3' 5'-AGGTGGCGATCTCGATGTCC-3'	61+62	225	NC_010454.3
<i>GLI1</i>	5'-GACACACCTGCGGTCACACA-3' 5'-CACATACGGCTTCTCATT-3'	69+56	132	NM_001256593.1
<i>GLIS3</i>	5'-GTTTGCACCTTCTGCTCCAT-3' 5'-GAAAAGAAGAGCTTGTGTCTGG-3'	57+58	152	NC_010443.4
<i>HES1</i>	5'-GACGAAGAGCAAGAATA-3' 5'-GCTCCACTGTCATTTCCA-3'	51+60	125	HM235721.1
<i>hAPP</i>	5'-GCAGCAGAATAGGCGAGA-3' 5'-CAGCAGGAGCAGTGCCAAA-3'	42+60	168	NM_000484.3
<i>hAPP^{sw} set1</i>	5'-CTGTCCAAGATGCAGCAGAA-3' 5'-GGGAGGTGTGGGAGGTTTT-3'	57+59	150	NC_018932.2
<i>hAPP^{sw} set2</i>	5'-AGCGCCACCTGTCCAAGAT-3' 5'-TCAGGTTTCAGGGGGAGGT-3'	59+58	169	NC_018932.2
<i>MAP2a</i>	5'-GCACCTATTCAGATACCAA-3' 5'-GTGACTACTTGAACATCCT-3'	55+49	102	NW_003536476.1
<i>MBP</i>	5'-GAGGCAGAGCTCCTGACTACAAA-3' 5'-GTCCCGTCTCCAGCTT-3'	61+59	101	NC_010458.3
<i>MUSASHI</i>	5'-GGAGTGTCTGGTGATGCGGGA-3' 5'-CTGTGGTGTTTACTGTTA-3'	65+40	206	FP690339.1
<i>NEO</i>	5'-TGCTCC TGCCGAGAAAAGTAT-3' 5'-GCTCTTCGTCCAGATCATCC-3'	57+59	164	
<i>NOTCH1</i>	5'-CTGCAGCCCTCGCCCTGC-3' 5'-TCGTCAATGTTCTCGCT-3'	77+58	358	XM_003472989.2
<i>OLIG2</i>	5'-CAAGTCATCTTCGTCCAGCA-3' 5'-AGTCGCTTCATCTCCTCCAG-3'	64+64	291	NC_010455.4
<i>pAPP</i>	5'-CAGCGGTAGGAGAGAGCA-3' 5'-CAGCAGGACCAGTGCCAAA-3'	54+60	163	NW_003536127.1
<i>PTCH1</i>	5'-CTGTGGCTGAGAGCGAAGT-3' 5'-CTCGTCCACCAACTTCCA-3'	64+63	177	XM_005668022.1
<i>PAX6</i>	5'-GCGACTCCAGAAGTTGTA-3' 5'-CCATTCAACATCCTTAGT-3'	48+44	215	NC_010444.3
<i>PDGFb</i>	5'-GTCTCTCTGCTGCTACCT-3' 5'-GGAAGTTGGCGTTGGTGCGGT-3'	46+69	143	NC-010447.4
<i>SOX2</i>	5'-CCAGAAGAACAGCCCGAGA-3' 5'-GCAGCGTTCGCAGCCG-3'	56+65	203	TC269881
<i>TBP</i>	5'-AACAGTTCAGTAGTTATGAGCCAGA-3' 5'-AGATGTTCTCAAACGCTTCG-3'	60+55	153	NC_010449.4
<i>Vimentin</i>	5'-GGAATCCGTAACATCAGT-3' 5'-CCAGACCAAGGACACCATCA-3'	46+58	201	CU570641.2
<i>5.8S</i>	5'-GACTCTTAGCGGTGGAT-3' 5'-GCGACGCTCAGACAGGC-3'	55+67	154	NR_046250.1
<i>18S</i>	5'-CAGTTATGGTTCCTTTGGT-3' 5'-CGAAAGTTGATAGGGCA-3'	56+57	365	NR_046261.1
<i>28S</i>	5'-GCAGCAGGTCTCCAAGGTGAA-3' 5'-CCTTAGAGCCAATCCTTA-3'	62+47	136	NW_003610361.1

Abbreviations: Temp, temperature; bp, base pair; ref., reference.

Supplementary Table S2. List of antibodies and dilutions used

Name (anti-)	Catalogue Number	Company	Dilution
ADAM10	sc-28358	Santa Cruz	1:1000
APP (Y757)	ab19850	Abcam	1:100
APP (A4)	MAB348	Millipore	1:1000
AT8	MN1020	Thermo Scientific	1:500
(pSer ²⁰² /Thr ²⁰⁵)			
AT100	MN1060	Thermo Scientific	1:1000
(pThr ²¹² /Ser ²¹⁴)			
AT180 (pThr ²³¹)	MN1040	Thermo Scientific	1:1000
AT270 (pThr ¹⁸¹)	MN1050	Thermo Scientific	1:1000
BACE1	sc-10748	Santa Cruz	1:1000
BLBP/FABP	sc-374-588	Santa Cruz	1:100
CENP-A	2048	Cell Signaling	1:800
DLX2	sc-292374	Santa Cruz	1:100
EF-1-alpha1	sc-28578	Santa Cruz	1:1000
GFAP	Z0334	Dako	1:1000
KI-67	M7240	Dako	1:100
MAP2ab	M1406	Sigma	1:500
Nestin	ab5922	Millipore	1:4000
PEN2	sc-32946	Santa Cruz	1:1000
PHF-6 (pThr ²³¹)	ab24594	Abcam	1:1000
SATB2	ab34735	Abcam	1:800
SEPTIN7	HPA02309	Atlas	1:1000
SOX2	MAB2018	R&DSystems	1:100
Tau (total)	A0024	DAKO	1:1000
Tau (pSer ¹⁹⁹)	44-734G	Invitrogen	1:1000
Tau (pSer ^{199/202})	44-768G	Invitrogen	1:1000
Tau (pSer ²⁶²)	44-750G	Invitrogen	1:1000
Tau (pSer ³⁵⁶)	44-751G	Invitrogen	1:1000
Tau (pSer ³⁹⁶)	44-752G	Invitrogen	1:1000
Tau (pSer ⁴⁰⁴)	44-758G	Invitrogen	1:1000
Tau (pSer ⁴²²)	44-764G	Invitrogen	1:1000
Tau5 (total tau)	AHB0042	Invitrogen	1:500
Tau46 (total tau)	ab22261	Abcam	1:1000
TBR1	ab31940	Abcam	1:800
TUJ1	T8660	Sigma	1:4000
Vimentin	18-0052	Zymed	1:500