

Supplemental Table 1

A

Gene	GenBank ID #	Forward primer	Reverse primer	Amplicon length (bp)	Corresponding Nucleotide
β-actin	NM031144	GGC CAA CCG TGA AAA GAT GA	CAC AGC CTG GAT GGC TAC GT	79	420-498
GAL	NM033237	TTC CCA CCA CTG CTC AAG ATG	TGG CTG ACA GGG TTG CAA	78	127-205
ENK	NM 017139	GGA CTG CGC TAA ATG CAG CTA	GTG TGC ATG CCA GGA AGT TG	65	411-474
DYN	NM019374	CAG CGG ACT GCC TGT CC T T	TCA GGG TGA GAA AAG ACC AAA AG	159	217-375
ORX	AF019565	AGA TAC CAT CTC TCC GGA TTG C	CCA GGG AAC CTT TGT AGA AGG A	73	48-121
MCH	NM012625	ATCGGTTGTTGCTCCTTCTCTG	TCT GCT TGG AGC CTG TGT TCT T	101	224-324
NPY	NM012614	CAC AGA AAA TGC CCC CAG AA	GTC AGG AGA GCA AGT TTC ATT TCC	74	317-391
AGRP	XM574228	GCA GAG GTG CTA GAT CCA CAG AA	AGG ACT CGT GCA GCC TTA CAC	99	376-475

B

Labeling	Blocking Serum ^a	Primary Antiserum	Secondary Antiserum ^b
Single-			
ORX	Normal Donkey	Rabbit anti-ORX, poly, 1:200 ^c	FITC-Donkey anti-rabbit, 1:100
MCH	Normal Donkey	Rabbit anti-MCH, poly, 1:200 ^c	FITC-Donkey anti-rabbit, 1:100
BrdU	Normal Donkey	Rat anti-BrdU, mon, 1:100 ^d	Cy3-Donkey anti-rat, 1:100
NeuN	Normal Donkey	Mouse anti-NeuN, mon, 1:50 ^e	FITC-Donkey anti-mouse, 1:50
GFAP	Normal Donkey	Mouse anti-GFAP, mon, 1:50 ^e	FITC-Donkey anti-mouse, 1:50
GalC	Normal Donkey	Mouse anti-GalC, mon, 1:50 ^e	FITC-Donkey anti-mouse, 1:50
Dcx	Normal Donkey	Goat anti-Dcx, poly, 1:100 ^c	FITC-Donkey anti-goat, 1:100
TuJ1	Normal Donkey	Mouse anti-TuJ1, mon, 1:50 ^f	Cy3-Donkey anti-mouse, 1:100
Nestin	Normal Donkey	Mouse anti-Nestin, mon, 1:50 ^e	FITC-Donkey anti-mouse, 1:50
Vimentin	Normal Donkey	Mouse anti-Vimentin, mon, 1:50 ^e	Cy3-Donkey anti-mouse, 1:100
Double-			
BrdU/NeuN	Normal Donkey	Rat anti-BrdU+Mouse anti-NeuN (1:100/1:50)	Cy3-Donkey anti-rat + FITC-Donkey anti-Mouse (1:100/1:50)
BrdU/GFAP	Normal Donkey	Rat anti-BrdU+Mouse anti-GFAP (1:100/1:50)	Cy3-Donkey anti-rat + FITC-Donkey anti-Mouse (1:100/1:50)
BrdU/GalC	Normal Donkey	Rat anti-BrdU+Mouse anti-GalC (1:100/1:50)	Cy3-Donkey anti-rat + FITC-Donkey anti-Mouse (1:100/1:50)
BrdU/ORX	Normal Donkey	Rat anti-BrdU+rabbit anti-ORX (1:100/1:200)	Cy3-Donkey anti-rat + FITC-Donkey anti-Rabbit (1:100/1:100)
BrdU/MCH	Normal Donkey	Rat anti-BrdU+rabbit anti-MCH (1:100/1:200)	Cy3-Donkey anti-rat + FITC-Donkey anti-Rabbit (1:100/1:100)

C

	Catalog #	Lot #
Serum		
Normal Donkey serum, Sigma. - MO	D9663	116K6090
Primary Antiserum		
Rabbit anti-ORX, poly, Scripps. - CA	gift from Dr. de Lecea	
Rabbit anti-MCH, poly, Santa cruz. - CA	sc-28931	B2006
Rat anti-BrdU, mon, Novus Biol. - CA	NB500-169	131107
Mouse anti-NeuN, mon, Chemicon. - CA	MAB377	LV1359479
Mouse anti-GFAP, mon, Chemicon. - CA	MAB3402	LV1401206
Mouse anti-GalC, mon, Chemicon. - CA	MAB342	0704057007
Goat anti-Dcx, poly, Santa Cruz. - CA	sc-8066	H0708
Mouse anti-TuJ1, mon, ABCAM. - MA	ab7751-100	384326
Mouse anti-Nestin, mon, Chemicon. - CA	MAB353	LV145 1844
Mouse anti-S-1000β, mon, Sigma. - MO	S2532	085k4880
Mouse anti-Vimentin, mon, Chemicon. - CA	MAB3400	0607036765
Secondary Antiserumb		
FITC-Donkey anti-rabbit, JacksonImmunoRes. - PA	711-095-152	57037
Cy3-Donkey anti-rat, JacksonImmunoRes. - PA	712-165-150	72741
FITC-Donkey anti-mouse, JacksonImmunoRes. - PA	715-095-150	75593
FITC-Donkey anti-goat, JacksonImmunoRes. - PA	705-095-147	49144
Cy3-Donkey anti-mouse, JacksonImmunoRes. - PA	715-165-150	67710