

SUPPLEMENTARY TABLE S1. A LIST OF ANTIBODIES

<i>Cells</i>	<i>Primary antibody</i>	<i>Origin/isotype</i>	<i>Supplier/cat#</i>	<i>Dilution</i>
Undifferentiated	Oct-4	Mouse IgG ₁	Millipore, MAB4419	1:500
Three-germ layer	Nanog	Rabbit IgG	Millipore, AB9220	1:200
	SOX17	Mouse IgG ₁	Abcam, ab84990	1:300
NPC	Brachyury	Goat IgG	R&D Systems, AF2085	1:300
	Nestin	Mouse IgG ₁	Abcam, ab18102	1:500
Cortical layers	Nestin	Rabbit IgG	Sigma, N5413	1:100
	Pax6	Mouse IgG ₁	Santa Cruz, sc-81649	1:100
Neurons	TBR1 (layer VI)	Rabbit IgG	Abcam, ab31940	1:200
	SATB2 (layer IV)	Mouse IgG ₁	Abcam, ab51502	1:5
Pathway	BRN2 (layer III)	Goat IgG	Santa Cruz, sc-6029	1:200
	β -tubulin III	Mouse IgG ₁	Millipore, MAB1637	1:200
Synaptic markers	Glutamate	Rabbit IgG	Sigma, G6642	1:1000
	GABA	Rabbit IgG	Sigma, A2052	1:1000
Astrocytes	MAP2	Rabbit IgG	Abcam, ab32454	1:200
	A β 42	Rabbit IgG	Abcam, ab10148	1:200
Secondary	Tau	Mouse IgG ₁	Sigma, T9450	1:100
	Phospho-PHF-tau pSer202+Thr205 (AT8)	Mouse IgG ₁	Thermal Fisher, MN1020	1:200
Secondary for three-germ layer	Synapsin I	Rabbit IgG	Millipore, 574777	1:500
	PSD95	Rabbit IgG	Life Technologies, 51-6900	1:200
Secondary	GFAP	Mouse IgG ₁	Millipore, MAB360	1:400
	Alexa 488, goat anti-mouse IgG ₁	—	Life Technologies, A-21121	1:200
Secondary for three-germ layer	Alexa 488, goat anti-rabbit IgG	—	Life Technologies, A-11008	1:200
	Alexa 594, goat anti-rabbit IgG	—	Life Technologies, A-11012	1:400
Secondary for three-germ layer	Alexa 594, donkey anti-goat IgG	—	Life Technologies, A-11058	1:400
	Alexa 568, goat anti-mouse IgG1	(for Sox17)	Life Technologies, A-11004	1:400
Secondary for three-germ layer	Alexa 568, donkey anti-goat IgG	(for Brachyury)	Life Technologies, A-11057	1:400
	Alexa 488, goat anti-mouse IgG	(for Nestin)	Life Technologies, A-11001	1:200

NPC, neural progenitor cells.