

## Supplementary Materials

### Supplemental Table I

Gene Symbol	Forward	Reverse
POU5F1	ACCCACACTGCAGCAGATCA	CACACTCGGACCACATCCTTCT
SOX1	ATACTGGAGACGAACGCCG	AACCCAAGTCTGGTGTGTCAGC
NES	CTAGAGGAGGCAGGTGGTCT	CAAGGTGAAGGGGCATCACT
PAX6	GCATTTGCATGTTGCGGAGT	CGAAGCCTGACCTCTGTCAT
MAP2	GGGCCTTTTCTTTGAAATCTAGTTT	CAAATGTGGCTCTCTGAAGAACA
NEUN	TCAAGGCTGTTGGAGTCGAG	TCAAGCTGGTAGTGGGAGGT
OLIG2	TCGCATCCAGATTTTCGGGT	AAAAGGTCATCGGGCTCTGG
GALC	CACACAATGGCTGAGTGGCTA	AACGATAGGGCTCTGGGTAAT
MBP	ACTATCTCTTCCCTCCCAGCTTAAAAA	TCCGACTATAAATCGGCTCACA
GLAST	TACAATCAGGGATCGCCTCC	TCGTGACAAGTGCTCCACAA
GLT1	GCAGTGTGTGGAGGGCTTCT	CCTGGGAAGGCTATTAACATAACC
VGAT	GACCAAGGAGGTCATCACGG	CTCGACAGCGGCAAAGAATG
GAPDH	ATGTTTCGTCATGGGTGTGAA	TGTGGTCATGAGTCCTTCCA
HLA A	TCGCTGTTCTAAAGTCCGCA	GCTCGGTCAGTCTGTGAGTG
HLA-B	CTAGCAGTTGTGGTCATCGG	CAAAGGGGAGGCGTGAAGAA
HLA C	GGTTGTCCTAGCTGTCCTTGG	TGCTAACAGGAACGCAGACA
B2M	AAGCAGCATCATGGAGGTTTG	GAGCTACCTGTGGAGCAACC
TAP1	GAGAAAATTGGGCACCAGGG	GTGGCCTGCCCAGACTATTT
TAP2	CTGTGCTGTTCTCCGGTTCT	TGTGAGCAATCACCAGCACT
PSMB8	AACCTCAGAACAGTAGGCCG	CCTCCAGGTTCAACGGTCTC
PSMB9	TGGGTTCTGATTCCCGAGTG	CCTGACCTCCTTCACGTTGG
NLRC5	GGCGGCTTCTACTTTCAGTTTC	GTTCAGGGTCCAAGGTCTCG
NRTN	GGCAGGCGTTCAAAGTCAA	GCCCTCTCGACACATCCAG
PACRG	GGTCTCGATGGGTCTGAAC	TCTTCGGCATCTTGTCTGGG
VGLU1	GAGCGCGAAACTCATGAACC	ACCTTGCTGATCTCGAAGCC

**Supplemental Table II**

<b>Antigen</b>	<b>Species</b>	<b>Catalog</b>	<b>Company</b>	<b>Clone</b>
<b>Nestin</b>	Mouse	MAB5326	EMD Millipore	10C2
<b>Sox2</b>	Goat	sc-17320	Santa Cruz	Y-17
<b>MAG</b>	Mouse	MAB1567	EMD Millipore	513
<b>GFAP</b>	Mouse	MAB360	EMD Millipore	GA5
<b>NeuN</b>	Mouse	MAB377	EMD Millipore	A60
<b>NFL</b>	Mouse	MAB1615	EMD Millipore	DA2
<b>MBP</b>	Rat	MAB386	EMD Millipore	12
<b>PLP</b>	Mouse	MAB388	EMD Millipore	PLPC1
<b>HLA-A,B,C</b>	Mouse	311402	Biologend	W6/32