

SUPPLEMENTARY TABLE S1. SINGLE-CELL mRNA PROFILING ASSAY INFORMATION

<i>Gene abbreviation</i>	<i>Full gene name</i>	<i>NCBI accession No.</i>	<i>Intron spanning</i>	<i>Taqman assay ID</i>
<i>Sox5</i>	SRY-box-containing gene5	NM_011444.2	No	Mm00488381_m1
<i>Sox6</i>	SRY-box-containing gene6	NM_001025559.2	No	Mm00488393_m1
<i>Sox9</i>	SRY-box-containing gene9	NM_011448.4	No	Mm00448840_m1
<i>Hes1</i>	Hairy and enhancer of split1	NM_008235.2	No	Mm01342805_m1
<i>Hes5</i>	Hairy and enhancer of split5	NM_010419.4	No	Mm00439311_g1
<i>Hes6</i>	Hairy and enhancer of split6	NM_019479.3	No	Mm00517097_g1
<i>Notch1</i>	Notch gene homolog1	NM_008714.3	No	Mm00435249_m1
<i>Jag1</i>	Jagged1	NM_013822.5	No	Mm00496902_m1
<i>Dll1</i>	Delta-like1	NM_007865.3	No	Mm00432841_m1
<i>Dll3</i>	Delta-like3	NM_007866.2	No	Mm00432854_m1
<i>CBF1</i>	Recombination signal-binding protein for immunoglobulin-kappa J region	NM_009035.4	No	Mm00770450_m1
<i>POU3f1</i>	POU domain, class 3, transcription factor 1	NM_011141.2	No	Mm00843534_s1
<i>POU3f2</i>	POU domain, class 3, transcription factor 2	NM_008899.1	No	Mm00843777_s1
<i>POU3f3</i>	POU domain, class 3, transcription factor 3	NM_008900.2	No	Mm00843792_s1
<i>POU3f4</i>	POU domain, class 3, transcription factor 4	NM_008901.1	No	Mm00447171_s1
<i>β-catenin</i>	Cadherin-associated protein, beta1	NM_001165902.1	No	Mm01350394_m1
<i>Olig1</i>	Oligodendrocyte transcription factor1	NM_016968.4	No	Mm00497537_s1
<i>Olig2</i>	Oligodendrocyte transcription factor2	NM_016967.2	No	Mm01210556_m1
<i>BHLHB2</i>	Basic helix-loop-helix family, member e40	NM_016967.2	No	Mm00478593_m1
<i>FGFR1</i>	Fibroblast growth factor receptor1	NM_001079908.1	No	Mm01215485_g1
<i>FGFR2</i>	Fibroblast growth factor receptor 2	NM_010207.2	No	Mm004438941_m1
<i>EGFR</i>	Epidermal growth factor receptor	NM_007912.4	No	Mm01187858_m1
<i>GLAST</i>	Glutamate-aspartate transporter	NM_148938.3	No	Mm00600697_m1
<i>BLBP</i>	Brain lipid-binding protein	NM_021272.3	No	Mm00445225_m1
<i>Prom1</i>	Prominin1	NM_001163577.1	No	Mm00477115_m1
<i>Bysl</i>	Bystin-like	NM_016859.3	No	Mm00479473_m1
<i>Msi1</i>	Musashi1	NM_008629.1	No	Mm00485224_m1
<i>c-kit</i>	c-kit oncogene	NM_001122733.1	No	Mm00445212_m1
<i>Eng</i>	Endoglin	NM_001146348.1	No	Mm03023983_m1
<i>Nes</i>	Nestin	NM_016701.3	No	Mm00450205_m1
<i>Gli1</i>	GLI-Kruppel family member1	NM_010296.2	No	Mm00494645_m1
<i>Gli2</i>	GLI-Kruppel family member2	NM_001081125.1	No	Mm01293117_m1
<i>Pax6</i>	Paired box gene6	NM_013627.4	No	Mm00443081_m1
<i>Myc</i>	Myelocytomatosis oncogene	NM_001177352.1	No	Mm00487804_m1
<i>Bmi1</i>	Bmi1 polycomb ring-finger oncogene	NM_007552.4	No	Mm00776122_gH
<i>REST</i>	RE1-silencing transcription factor	NM_011263.2	No	Mm00803268_m1
<i>FoxG1</i>	Forkhead box G1	NM_001160112.1	No	Mm02059886_s1
<i>Nfia</i>	Nuclear factor I/A	NM_001122952.1	No	Mm00447981_m1
<i>Nfib</i>	Nuclear factor I/B	NM_001113209.1	No	Mm00500784_m1
<i>Nfix</i>	Nuclear factor I/X	NM_001081982.1	No	Mm00477796_m1
<i>Mam12</i>	Mastermind-like2	NM_001013813.3	No	Mm00620617_m1
<i>Klf12</i>	Kruppel-like factor12	NM_010636.3	No	Mm00516098_m1
<i>Tead1</i>	TEA domain family member1	NM_001166584.1	No	Mm00493503_m1
<i>Tead2</i>	TEA domain family member 2	NM_011565.2	No	Mm00449004_m1
<i>Ybx1</i>	Y box protein 1	NM_011732.2	No	Mm00850878_g1
<i>Sub1</i>	SUB1 homolog	NM_011294.3	No	Mm00726782_s1
<i>HMGA2</i>	High-mobility group AT-hook 2	NM_010441.2	No	Mm00780304_sH
<i>β-actin</i>	Beta-actin	NM_007393.3	No	Mm01205647_g1

The 48 genes were selected under the assumption that they regulate cell fate.