

S1 Table. Gene lists used for gene enrichment analysis for selection of genes important for differentiation of the C17.2 cell line.

Gene set enrichment analysis list using Gene set enrichment analysis http://software.broadinstitute.org/gsea/index.jsp	
1.	LEIN_OLIGODENDROCYTE_MARKERS http://www.broadinstitute.org/gsea/msigdb/cards/LEIN_OLIGODENDROCYTE_MARKERS.html
2.	GOBERT_OLIGODENDROCYTE_DIFFERENTIATION_UP http://www.broadinstitute.org/gsea/msigdb/cards/GOBERT_OLIGODENDROCYTE_DIFFERENTIATION_UP
3.	GOBERT_OLIGODENDROCYTE_DIFFERENTIATION_DN http://www.broadinstitute.org/gsea/msigdb/cards/GOBERT_OLIGODENDROCYTE_DIFFERENTIATION_DN.html
4.	LEIN_ASTROCYTE_MARKERS http://www.broadinstitute.org/gsea/msigdb/cards/LEIN_ASTROCYTE_MARKERS.html
5.	CAHOY_ASTROCYTIC http://www.broadinstitute.org/gsea/msigdb/cards/CAHOY_ASTROCYTIC.html
6.	LEIN_NEURON_MARKERS http://www.broadinstitute.org/gsea/msigdb/cards/LEIN_NEURON_MARKERS.html
7.	CAHOY_NEURONAL http://www.broadinstitute.org/gsea/msigdb/cards/CAHOY_NEURONAL.html
8.	LEIN_LOCALIZED_TO_DISTAL_AND_PROXIMAL_DENDRITES http://www.broadinstitute.org/gsea/msigdb/cards/LEIN_LOCALIZED_TO_DISTAL_AND_PROXIMAL_DENDRITES.html
9.	GO_SYNAPSE http://software.broadinstitute.org/gsea/msigdb/cards/GO_SYNAPSE.html
10.	LEIN_LOCALIZED_TO_PROXIMAL_DENDRITES http://www.broadinstitute.org/gsea/msigdb/cards/LEIN_LOCALIZED_TO_PROXIMAL_DENDRITES.html
11.	WONG_ADULT_TISSUE_STEM_MODULE http://software.broadinstitute.org/gsea/msigdb/cards/WONG_ADULT_TISSUE_STEM_MODULE.html
12.	REACTOME_NEURONAL_SYSTEM https://bioinfo.uth.edu/SZGR1/showGenesByPathway.do?pathway=p874
13.	LEIN_MIDBRAIN_MARKERS http://software.broadinstitute.org/gsea/msigdb/cards/LEIN_MIDBRAIN_MARKERS.html
14.	NEUROGENESIS http://software.broadinstitute.org/gsea/msigdb/cards/NEUROGENESIS.html
15.	AXON http://software.broadinstitute.org/gsea/msigdb/cards/AXON.html
16.	CAHOY_OLIGODENDROCUTIC http://software.broadinstitute.org/gsea/msigdb/cards/CAHOY_OLIGODENDROCUTIC.html
17.	LEIN_CEREBELLUM_MARKERS http://software.broadinstitute.org/gsea/msigdb/cards/LEIN_CEREBELLUM_MARKERS.html
18.	ESC_V6.5_UP_EARLY.V1_UP http://software.broadinstitute.org/gsea/msigdb/cards/ESC_J1_UP_EARLY.V1_UP.html
19.	MATZUK_EMBRYONIC_GERM_CELL http://software.broadinstitute.org/gsea/msigdb/cards/MATZUK_EMBRYONIC_GERM_CELL.html
20.	AXONOGENESIS http://software.broadinstitute.org/gsea/msigdb/cards/AXONOGENESIS.html