H20.33.017
H20.33.018
H20.33.020
H20.33.026
H20.33.033
H20.33.045
H21.33.002
H21.33.039
H21.33.044
H19.33.004
H20.33.001
H20.33.019
H20.33.030
H20.33.034
H20.33.044
H21.33.003
H21.33.019
H21.33.025
H21.33.030
H21.33.033
H21.33.037
H21.33.038
H21.33.040
up
down
Dementia
Normal
Dementia
SLC6A8 – LIFR
PSAP – GPR37L1
IL34 – PTPRZ1
CADM3 – CADM1
L2/3 IT --> ARM
COL4A4 – ITGA2
COL4A4 – DDR1
L2/3 IT --> Dystrophic
POSTN – ITGAV
Astro --> L2/3 IT
LAMA2 – ITGA7
OPC --> L2/3 IT
POSTN – ITGAV
ANGPTL4 – ITGAV
Oligo --> L2/3 IT
TGFB1 – ITGB8
TGFB1 – ITGAV
NAMPT – INSR
Path --> L2/3 IT
NRG1 – ITGAV
FAP – NPR2
Pvalb --> L2/3 IT
NEGR1 – IGSF9B
GPC6 – LRP1
Sst --> L2/3 IT
LAMA2 – ITGA7
LAMA2 – DAG1
FNDC5 – ITGAV
Transition --> L2/3 IT
PLB1 – IGDCC4
MIF – EGFR
MIF – CD74
L2/3 IT --> Oligo
TGFB1 – TGFBR2
TGFB1 – TGFBR1
Path --> Oligo
SLC6A8 – LIFR
MIF – EGFR
MIF – CD44
L2/3 IT --> Path
NRG1 – EGFR
Pvalb --> Path
B2M – TAP1
Path --> Pvalb
B2M – TAP2
B2M – TAP1
Transition --> Pvalb
CNTN5 – PTPRG
Astro --> Sst
NRXN2 – VSTM2B
INHBA – TGFBR3
CADM3 – PRLR
CADM3 – CADM2
L2/3 IT --> Sst
CNTN5 – PTPRG
OPC --> Sst
OLFM2 – ROBO2
NLGN4Y – NRXN3
Transition --> Sst
TNR – ITGA8
Microglia --> Sst
COL6A1 – ITGB1
COL12A1 – ITGB1
OPC --> Transition
PSAP – GPR37L1
PSAP – GPR37
COL10A1 – ITGA2
L2/3 IT --> Microglia
HAPLN1 – TNFRSF11B
OPC --> Microglia
ANGPTL4 – SDC2
Oligo --> Microglia
TGFB1 – PDGFRA
COL9A1 – ITGA2
Pvalb --> Microglia
Sufficient presence
of sender & receiver
Receiver absent
Sender absent
Sender & receiver present
Scaled L−R
pseudobulk exprs product
2
0
−2
Scaled ligand
activity in receiver
5
0
−5