

Single-cell expression data

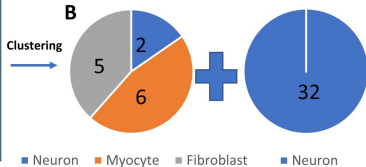
Cell sub-types inferred from single-cell data

Signature gene list for neuron cells

A



B



Identifying signature gene list for specific cell sub-type (neuron)

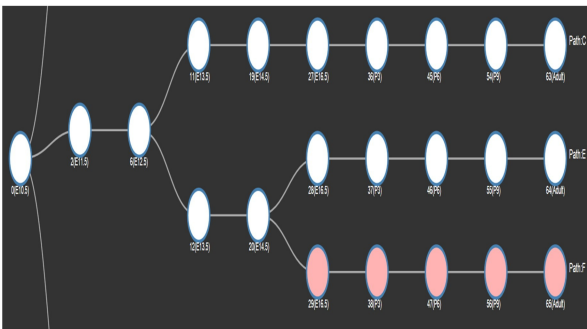
C



Kif1a
AI593442
Zcchc18
Inpp5f
Gria2
Basp1
Dpysl2
Snrpn
Bex2
Tro

Gdi1
Syt11
Syt4
Uchl1
Elavl2
Prkar1b
Kif5a
Gm15800
Prmt2
Crmp1
.....

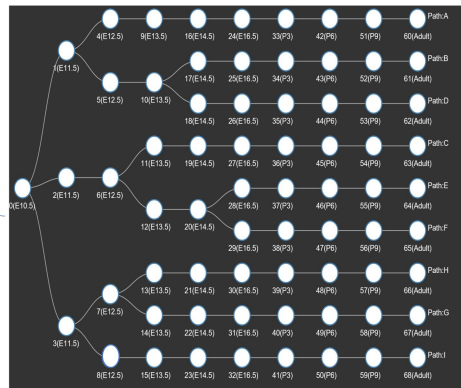
E



Intersecting with iDREM model

D

iDREM model



Paths (nodes) enriched with the signature genes (marked in pink)