#### POU5F1 pluripotent 165-B-2 3-A-7165-B-3 3 - A - 8165-B-3X 66-A-3 9 165−B−6X ■ 66-A-9 log2(Exprs + 1) 21-B-3 90-A-10 21-B-8 90-A-5 21-B-9 4

9

15

Day

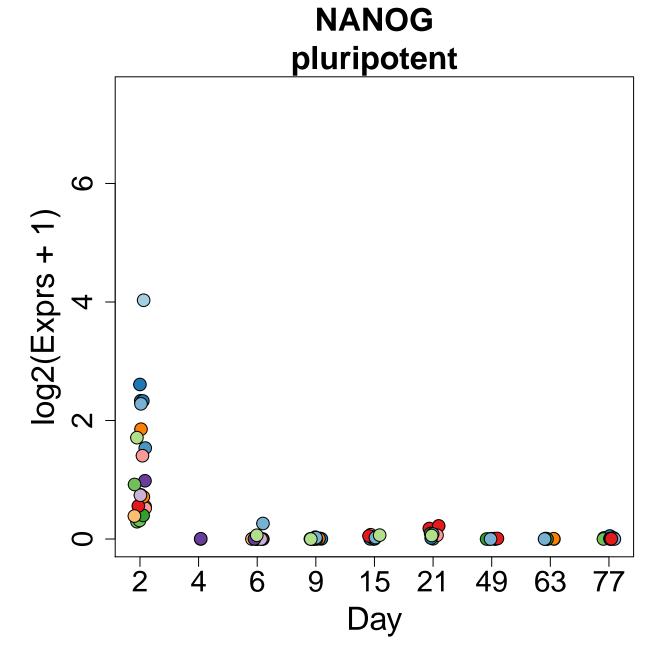
21

63

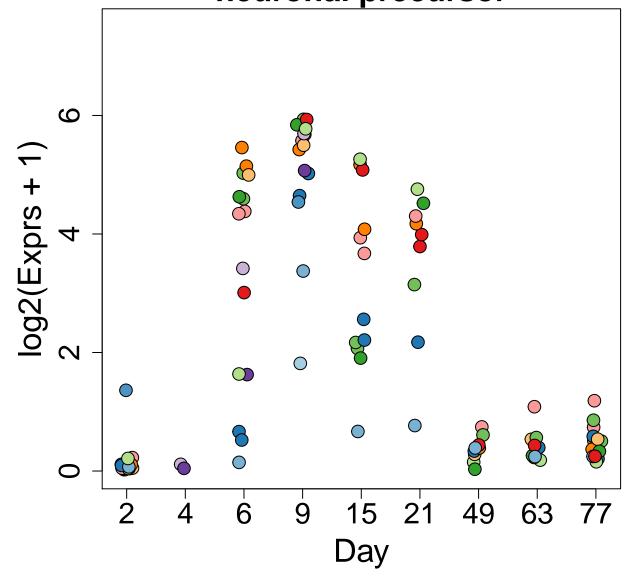
49

6

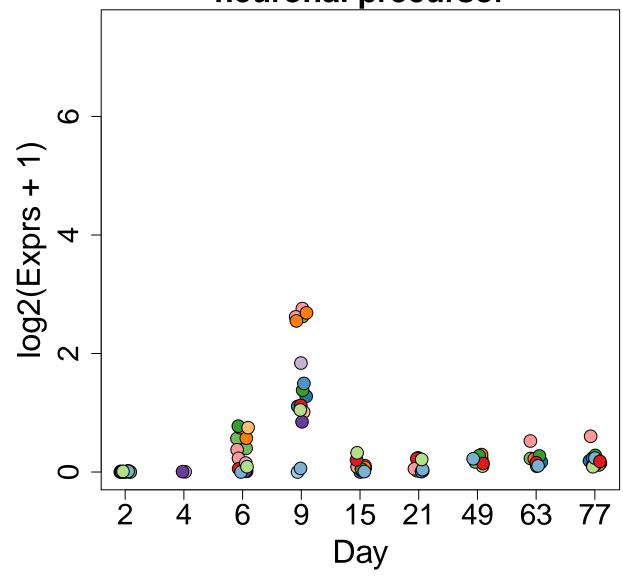
2



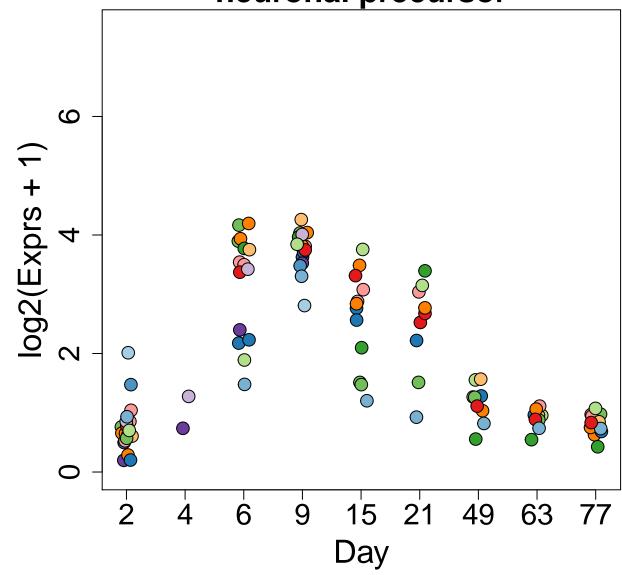
HES5 neuronal precursor



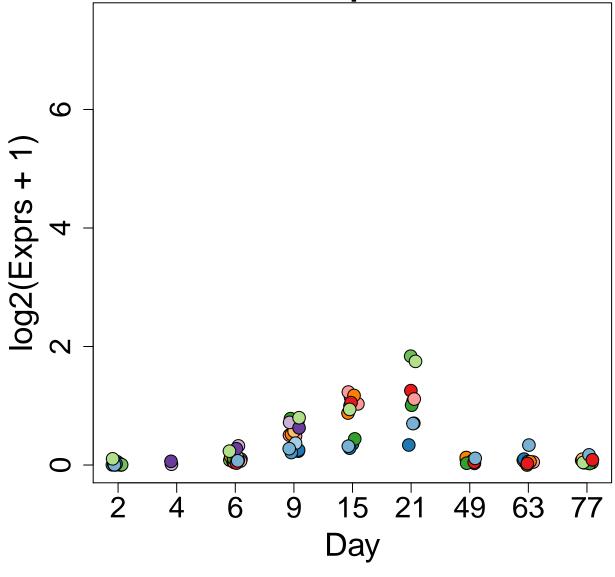
NR2E1 neuronal precursor



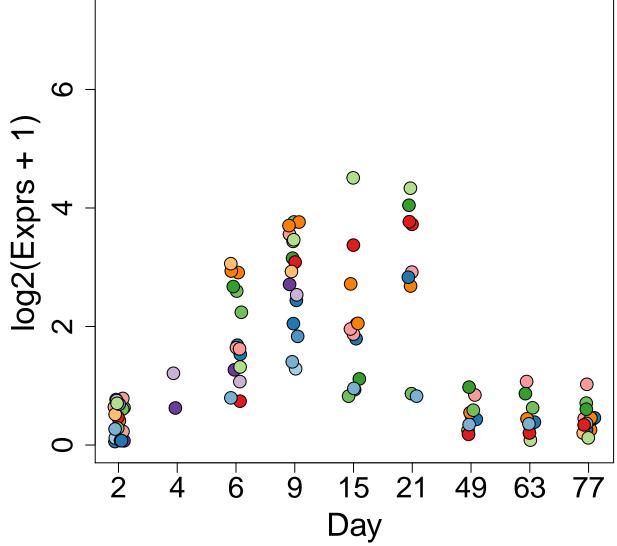
DLL1 neuronal precursor



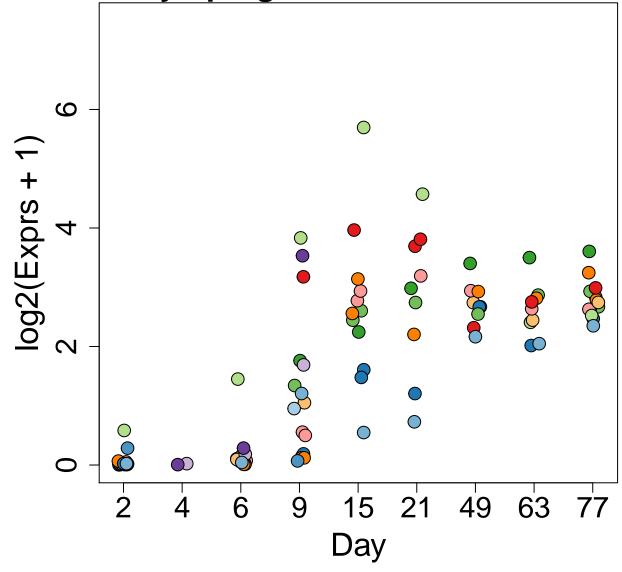
LGR5 neuronal precursor



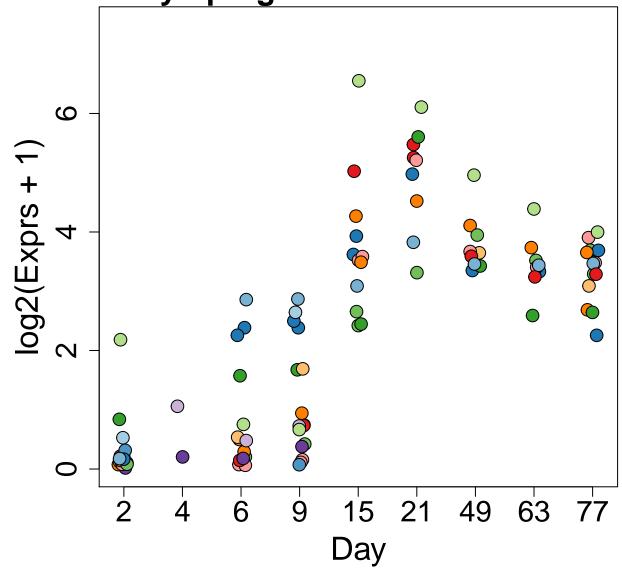
SOX1 neuronal precursor



FOXG1 early upregulated and maintained



ZIC1 early upregulated and maintained

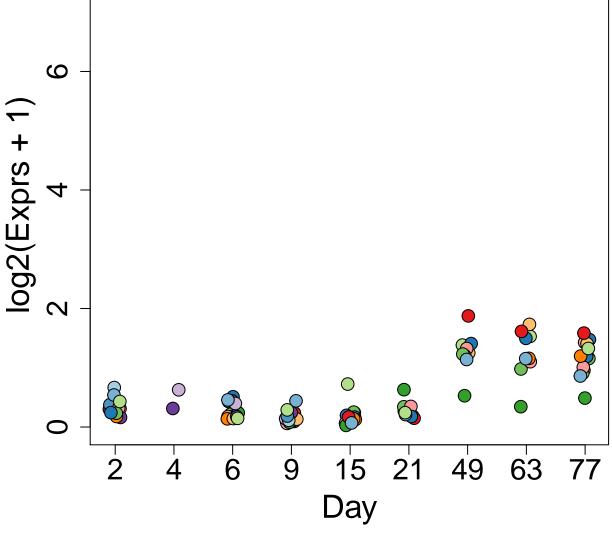


**NFIA** mid upregulated and maintained 

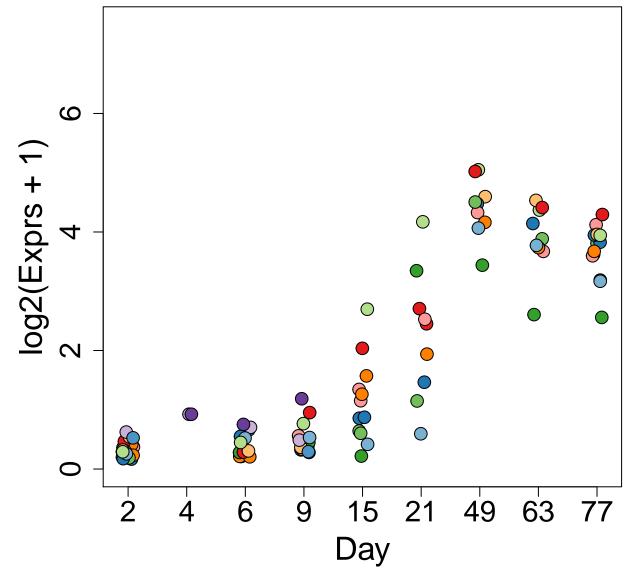
Day

log2(Exprs + 1

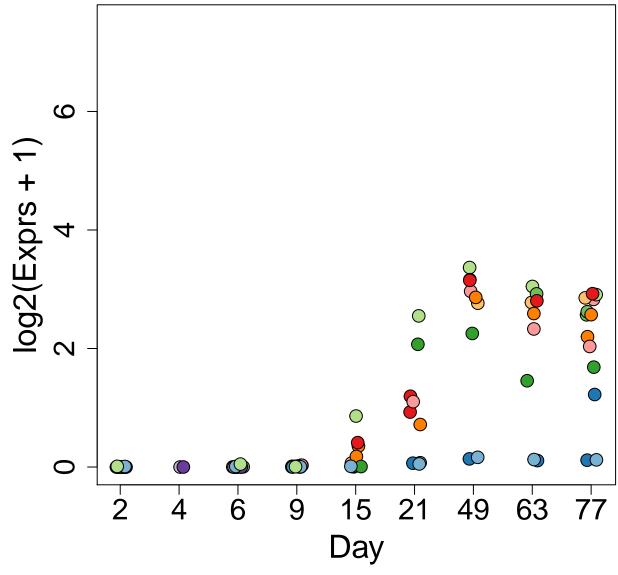
# **SLITRK3** mid upregulated and maintained



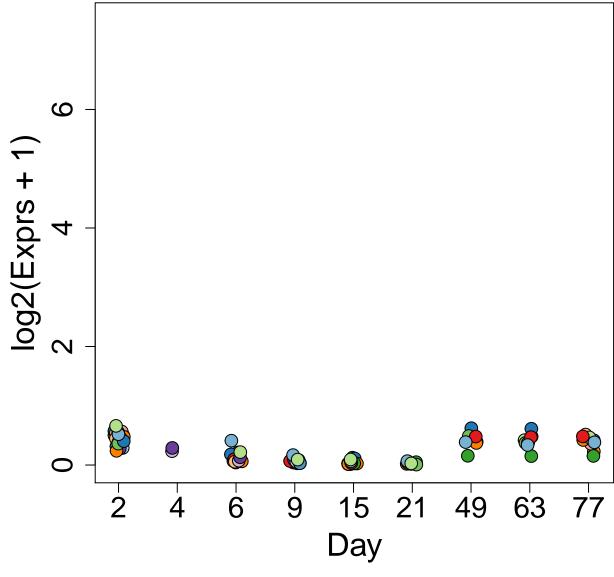
DCX immature neuron



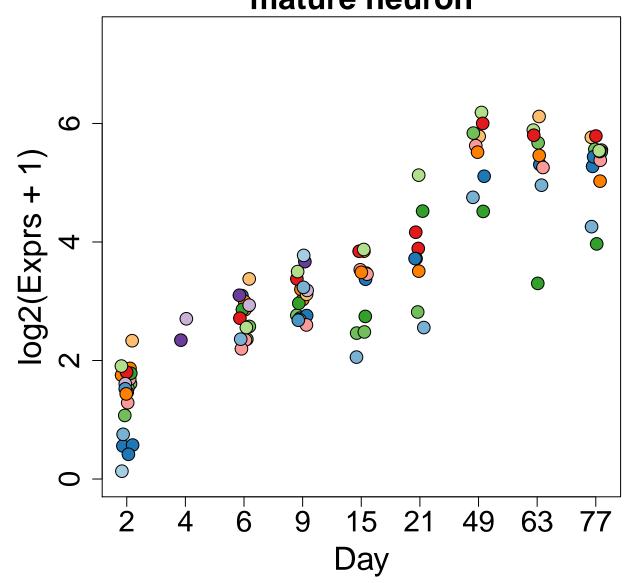
TBR1 immature neuron



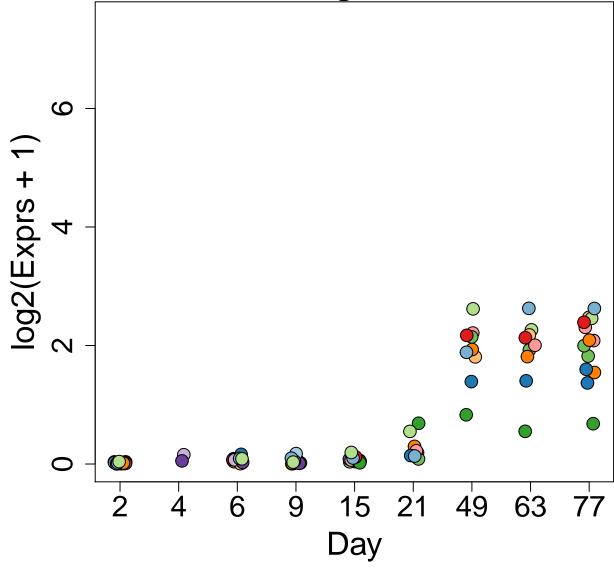
### RBFOX3 mature neuron



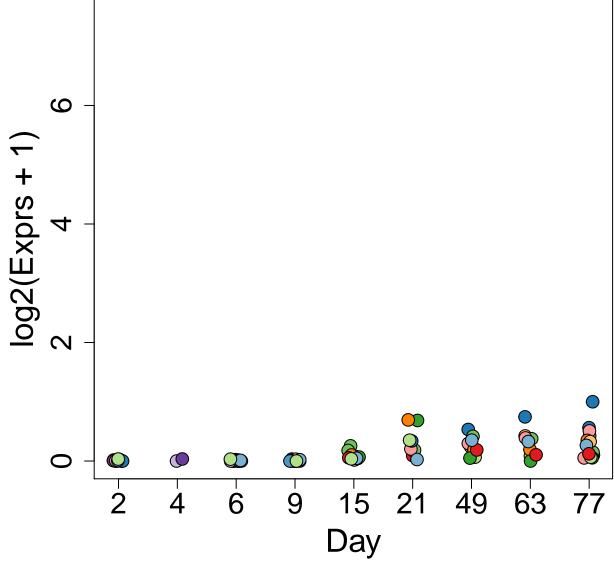
MAP2 mature neuron



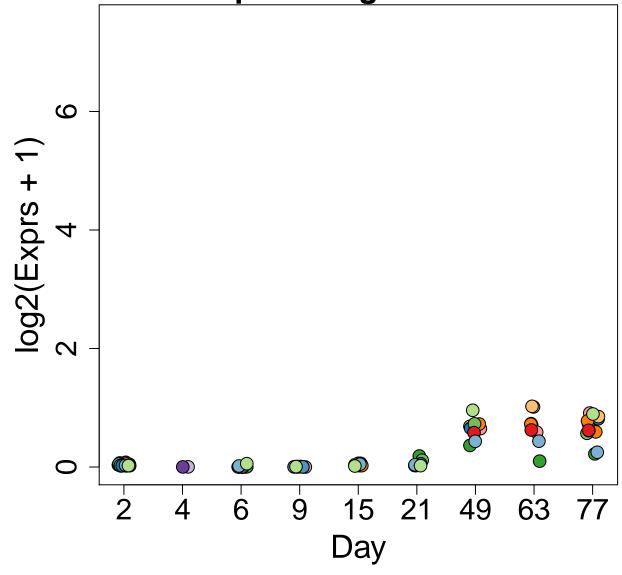
#### SLC6A1 GABAergic neuron



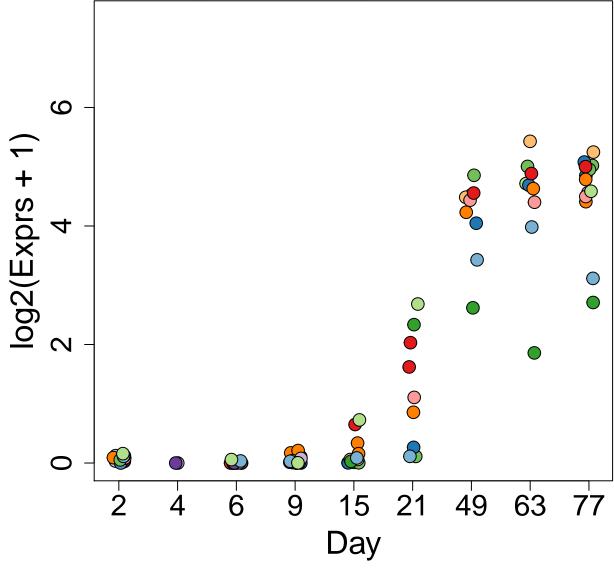
SLC18A3 cholinergic neuron



KCNJ6 dopaminergic neuron



SLC17A6
glutamatergic neuron



## SLC17A7 glutamatergic neuron

