

Appendix to:

β -catenin signaling modulates the tempo of dendritic growth of adult-born hippocampal neurons

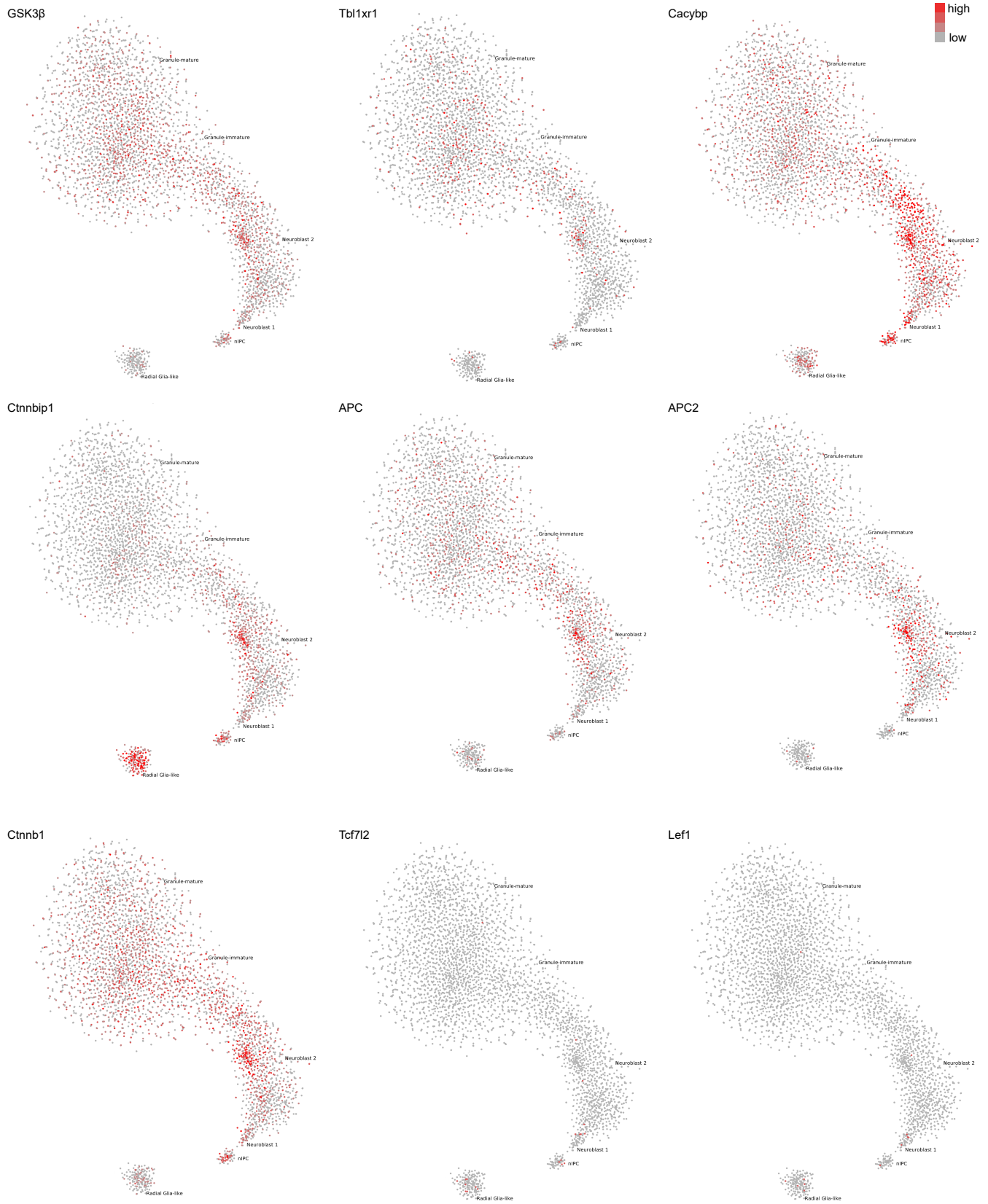
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content:

Appendix Figure S1: Potential regulators of canonical Wnt signaling during adult neurogenesis

A

Wnt/ β -catenin signaling



Wnt/PCP signaling

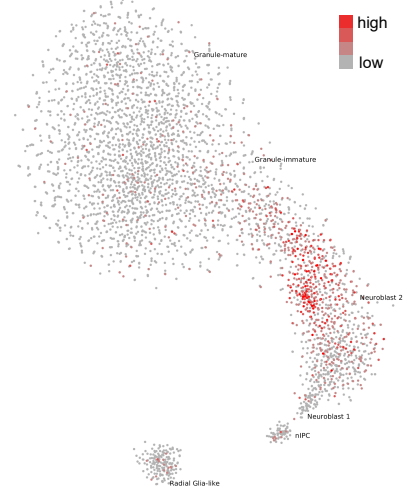
Celsr1



Atp6ap2



Rac3



Prickle1

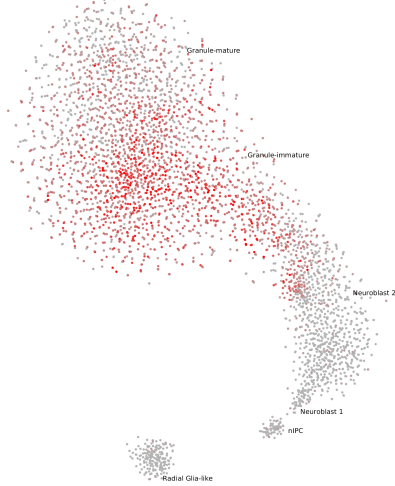


Rock2

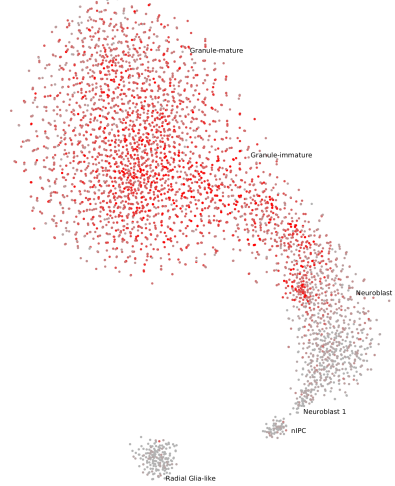


Wnt/Ca²⁺ signaling

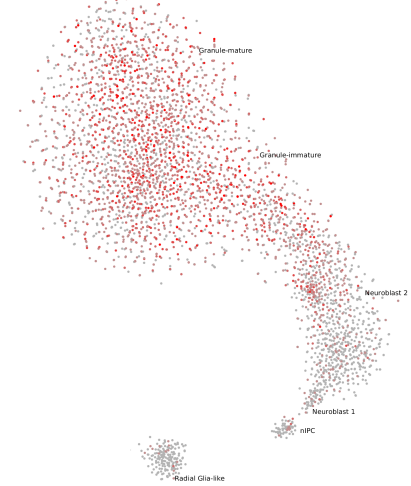
CamKIIa



Ppp3ca



Ppp3r1



Wnt signaling ligands

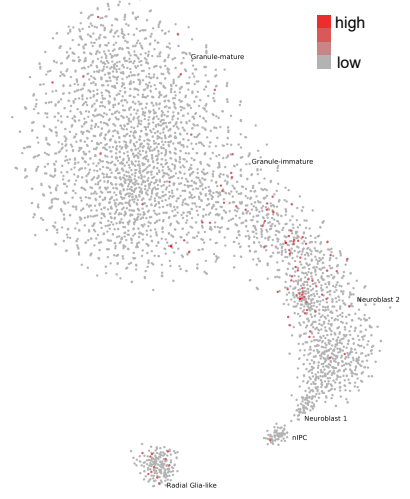
Wnt3



Wnt5a



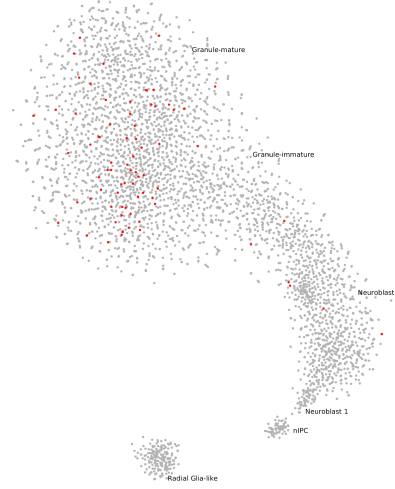
Wnt7a



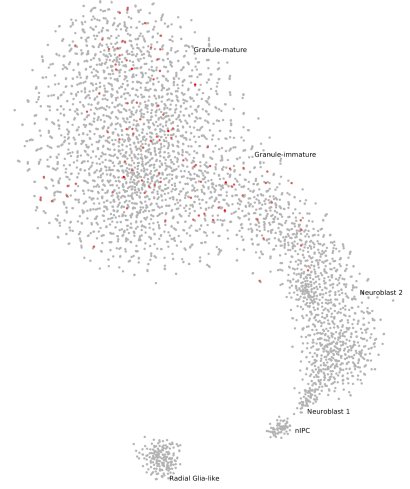
Wnt7b



Wnt9a



Wnt10a



Wnt signaling inhibitors

Sfrp1



Dkk3

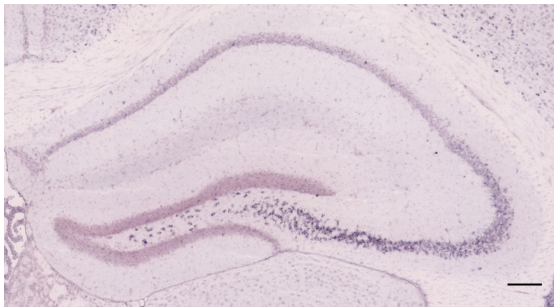


Wnt signaling receptors

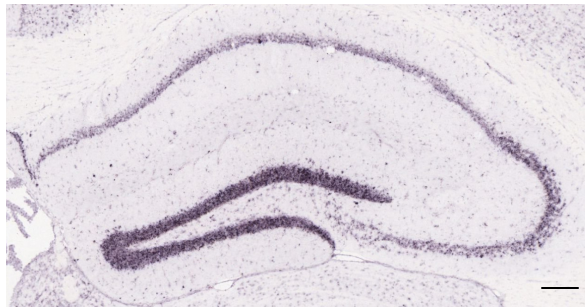


B

Rspo2



Wnt7b



Appendix Fig. S1 Potential regulators of canonical Wnt signaling during adult neurogenesis

A tSNE visualizations of genes associated with Wnt/ β -catenin signaling, Wnt/PCP signaling, Wnt/Ca²⁺ signaling and Wnt signaling ligands, inhibitors and receptors that display a stage specific expression along the neurogenic lineage. Cells are stained for expression of consecutive genes: grey - low expression, red - high expression. Data set: single cell RNA-sequencing of 5454 cells of the murine DG of mice from Postnatal Day 12 to Postnatal Day 35. (Hochgerner et al, 2018)

B Representative images of in situ hybridizations of Rspo2 (Wnt signaling modulator; <http://mouse.brain-map.org/gene/show/88569>) and Wnt7b (Wnt ligand, <http://mouse.brain-map.org/gene/show/22179>) in the hippocampus of adult mice (P56) from the Allen brain atlas (© 2015 Allen Institute for Brain Science. Allen Brain Atlas API. Available from: brain-map.org/api/index.html). Scale bar= 200 μ m.