

**Figure S1:** Expression of dentate granule cell markers discovered in the study in Allen Brain Atlas mouse brain *in situ* hybridization database.



**Cdh9**



**Cdhr1**



**Dsg2**



**Dsp**



**Ehd1**



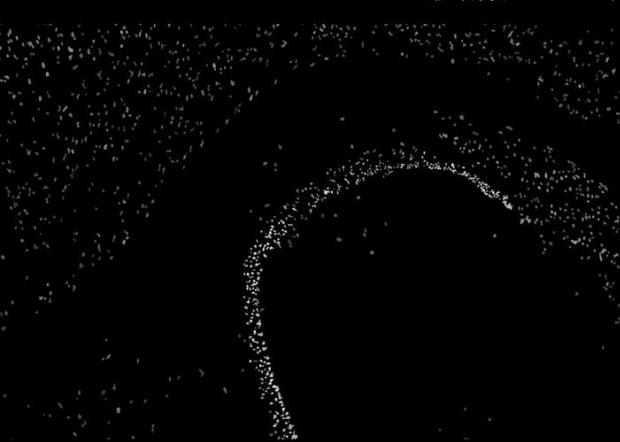
**Em15**

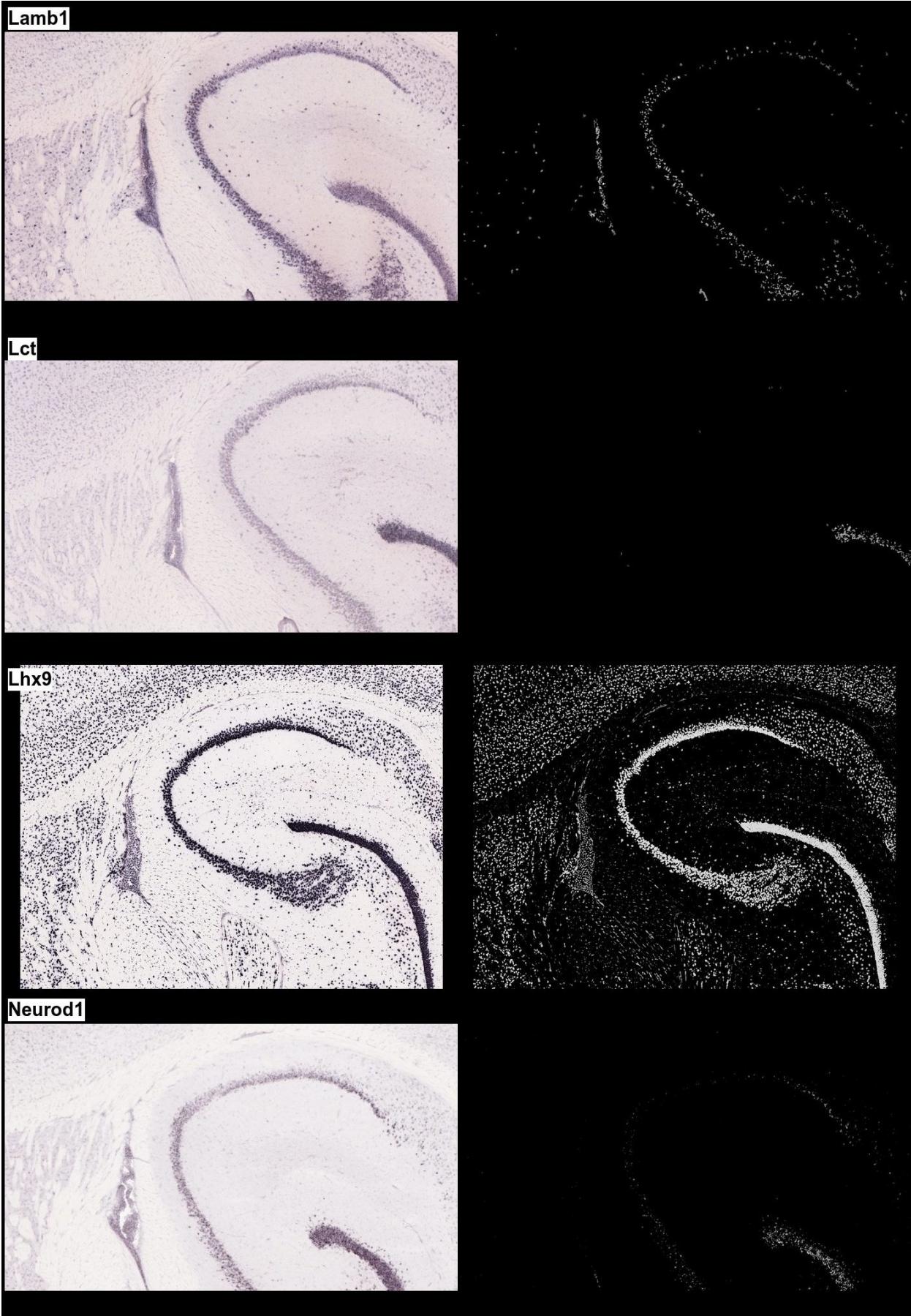


**Epha7**



**Flywch2**





**Npnt**



**Npy2r**

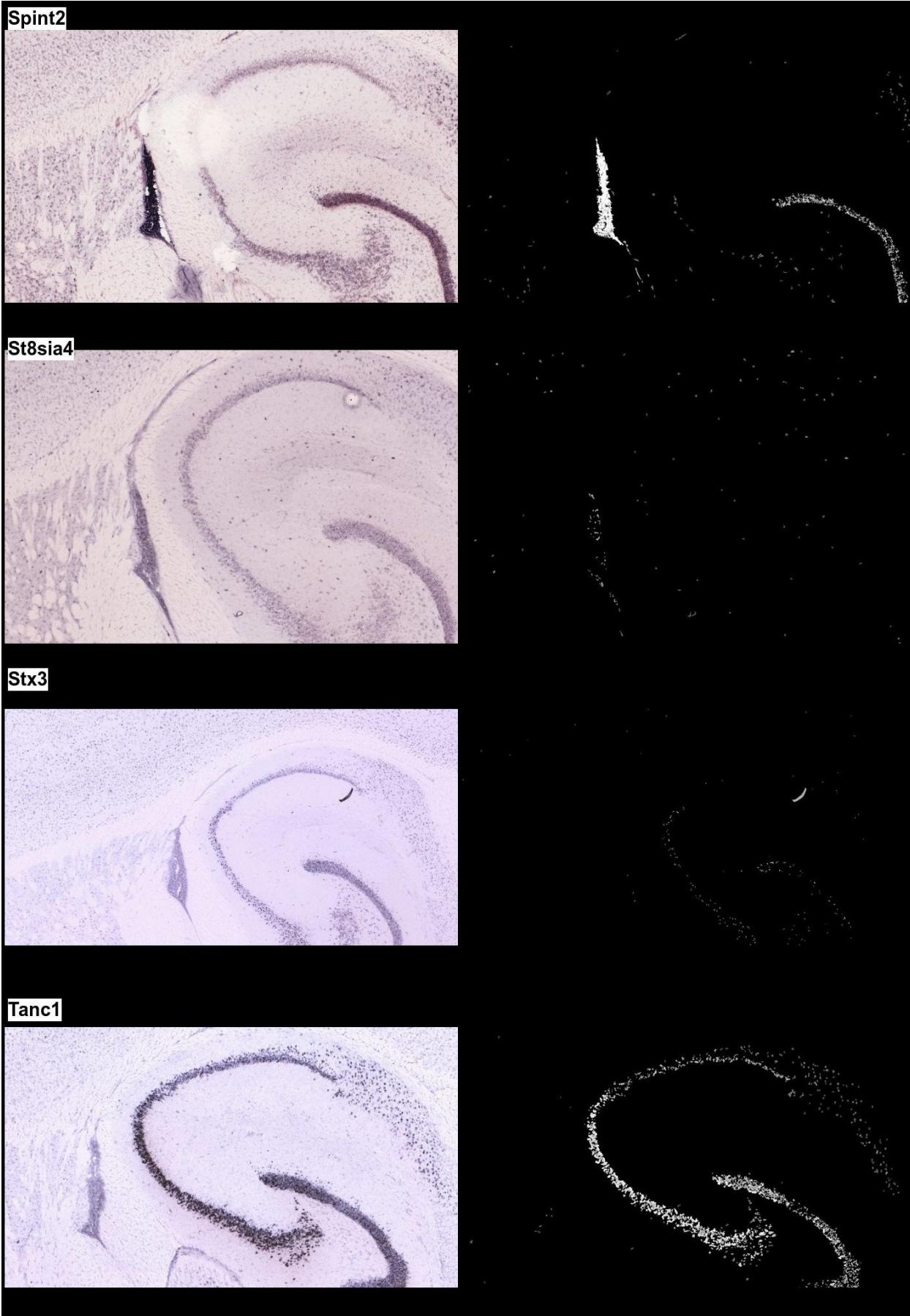


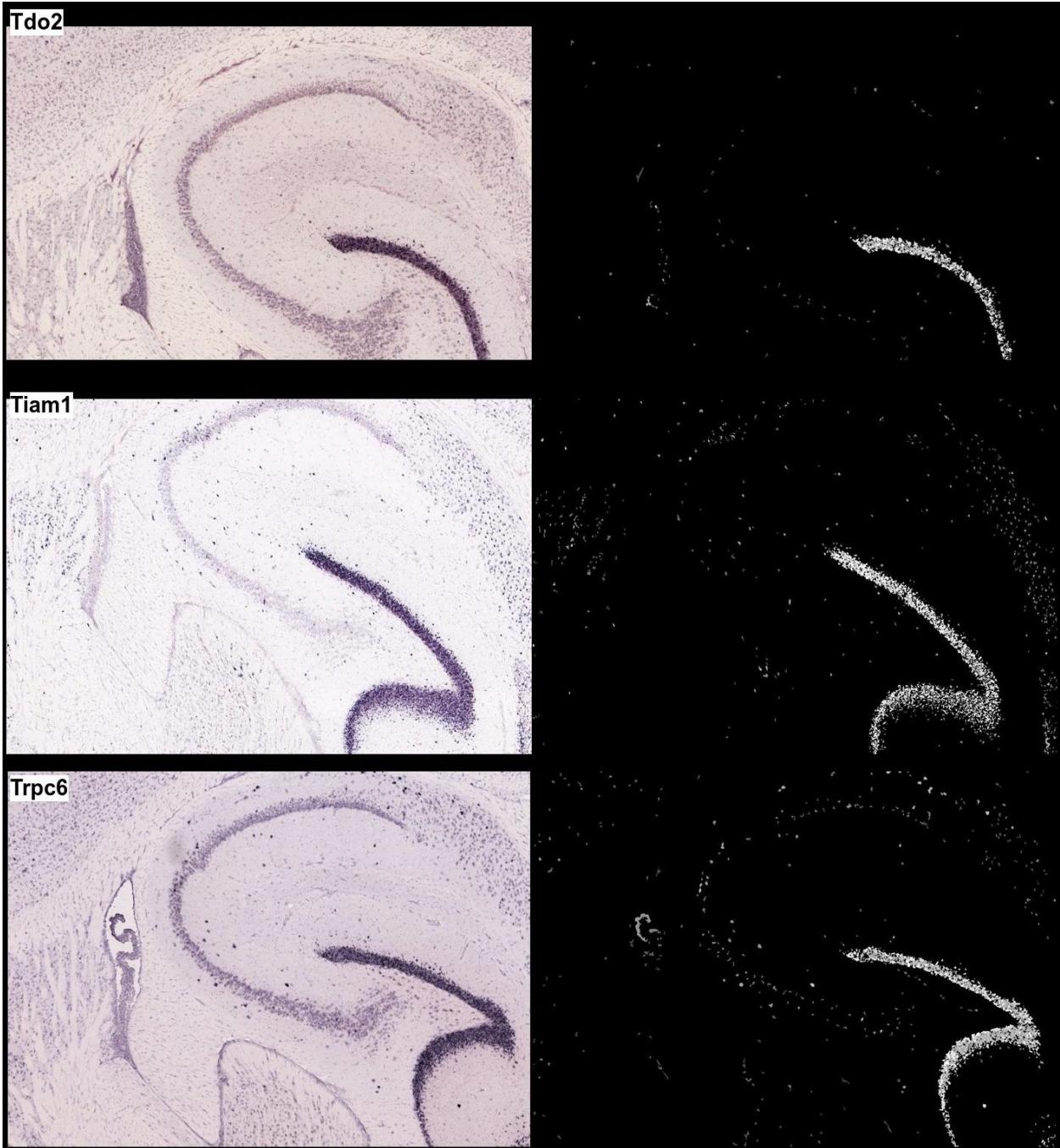
**Npy5r**



**Pter**







**Figure S2:** Expression of purkinje markers discovered in the study in Allen Brain Atlas mouse brain *in situ* hybridization database.

