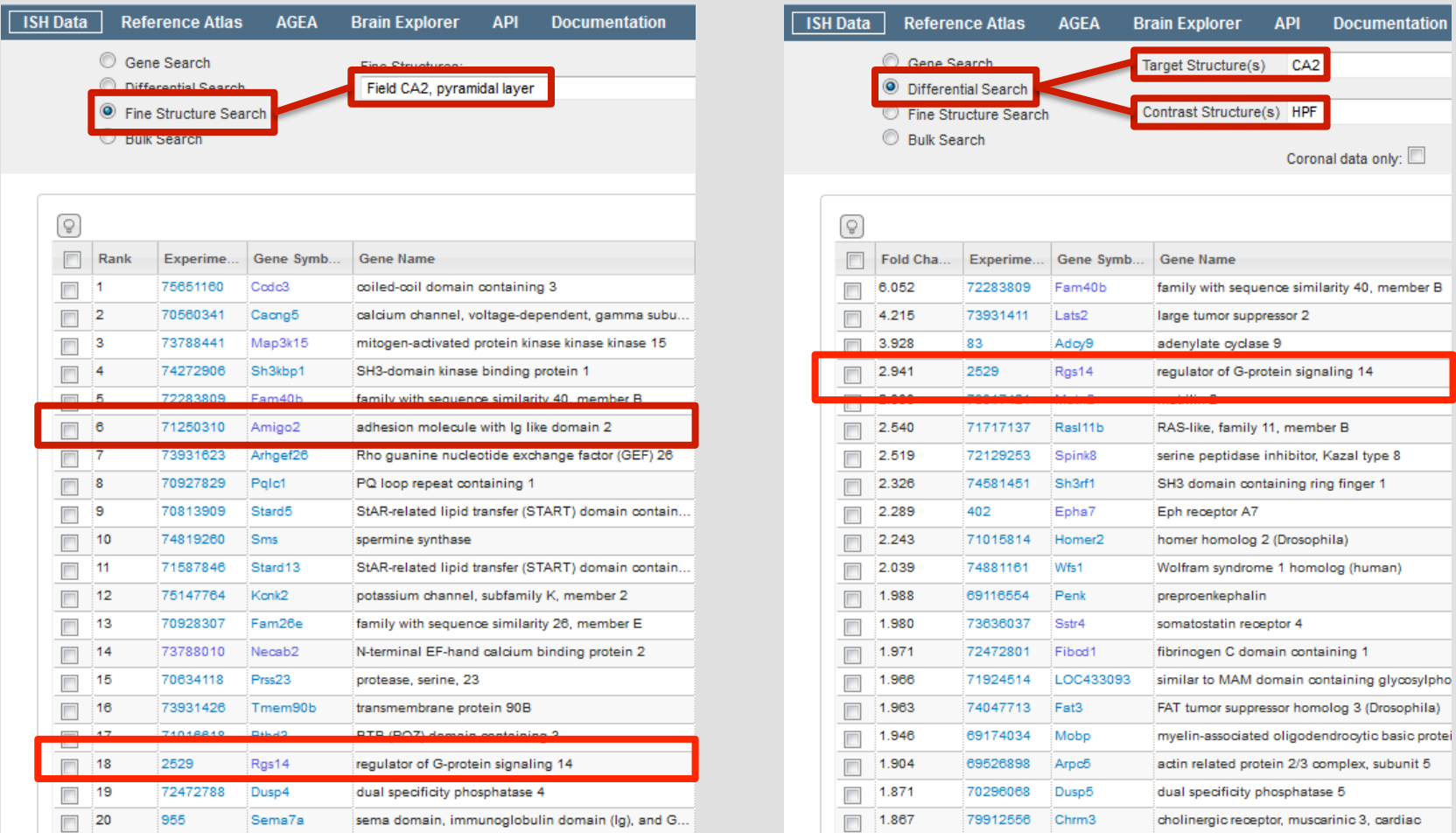
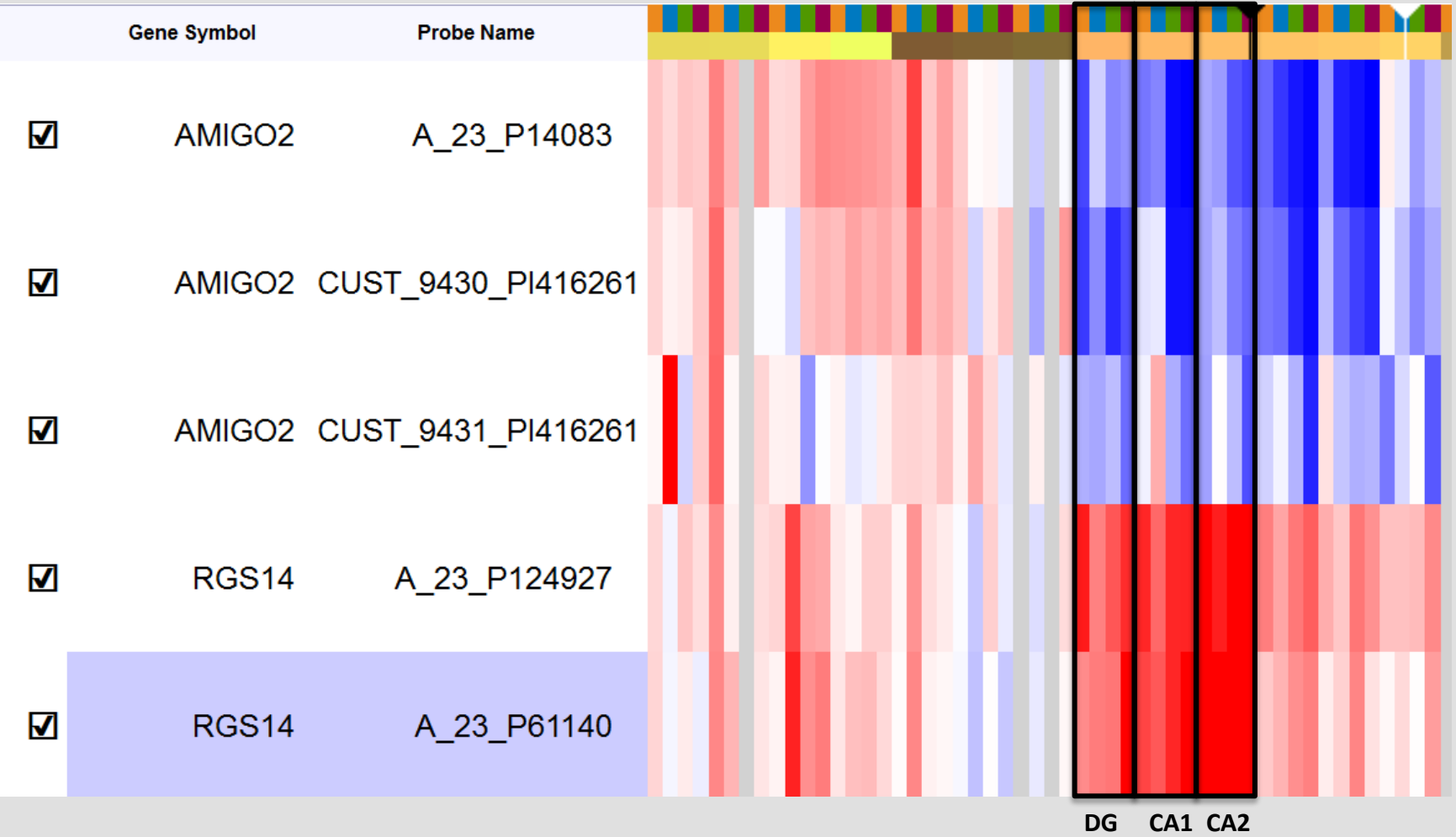


Differential expression of genes in the CA2 area of hippocampus of mouse brain

Looking for genes highly enriched in CA2 area that could potentially contribute to the unique CA2 characteristics (lack of plasticity and resistance to neuronal injury) using “Fine Structure Search”, “Differential Search” and “AGEA”



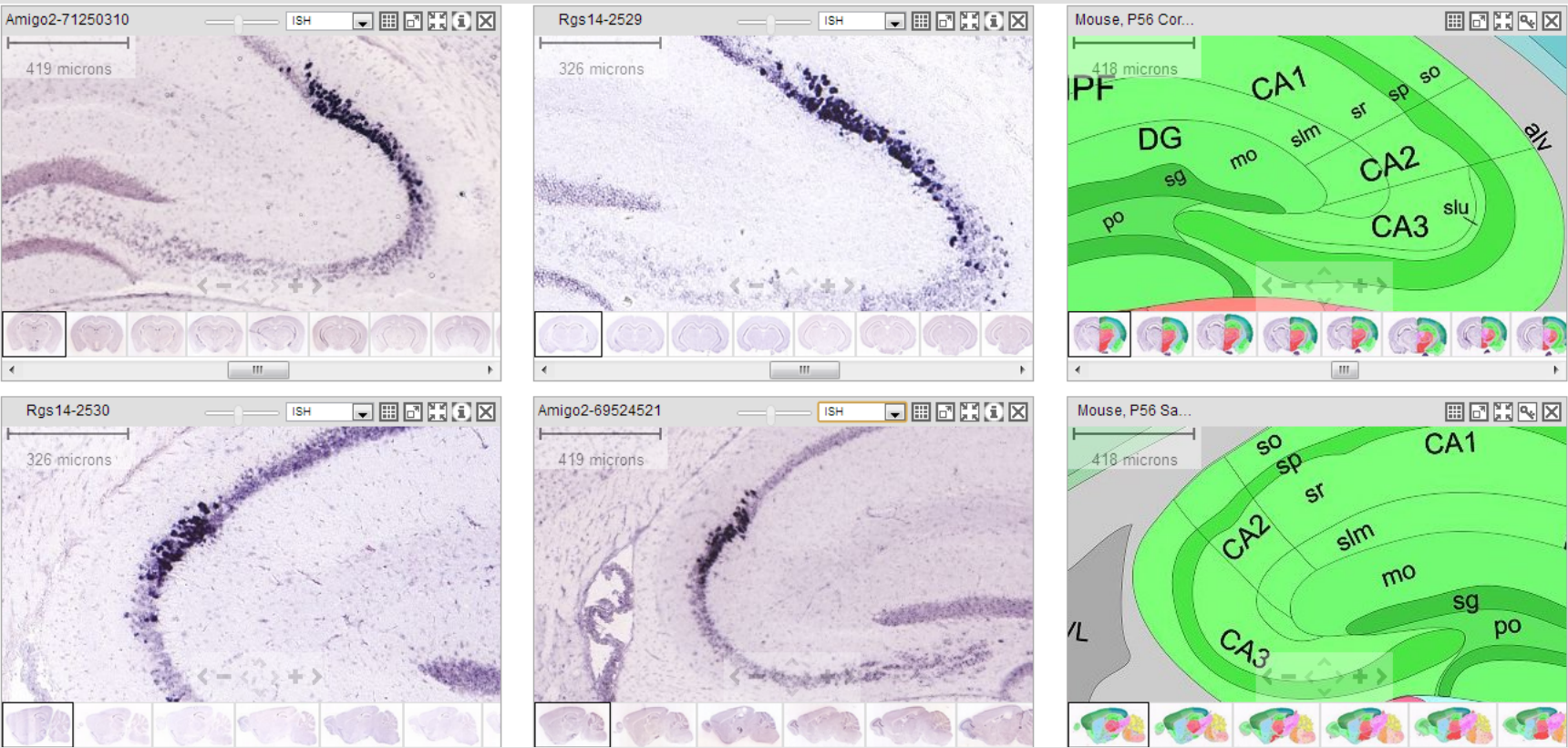
Unlike Amigo2, Rgs14 is highly expressed in the adult human CA2



Rgs14 highly expressed in the CA2 from developing macaque brain



Amigo2 and Rgs14 show selective enrichment in adult mouse CA2



- RGS14, known to suppress object recognition memory and synaptic plasticity in CA2, is highly enriched in CA2 in adult mouse, human and non-human primate
- RGS14 inhibition may serve as attractive therapeutic target for future cognitive enhancers with possibly direct effect for human