

**A**

Cluster 1 Cluster 2 Cluster 3 Cluster 4 Cluster 5

Viro  
Ccr3  
Sorcs3  
Prokr1  
Ednra1  
Sorcs1  
Sema4  
Pten  
Ccl1  
Vav2  
Pvalb  
Cemip  
Slc11a1  
Cntrna1  
mem132c  
Irf3  
Tnfr3  
Tlr1  
Il1rap2  
Slc11a1  
Gm33a  
Ccr3  
Tnfr3  
Lama4  
Pde1a  
Ank3  
Uncx1  
Calb1  
Lag3  
Caonaz2  
Igsl1  
Nrp1  
Pde1a  
Hs3st4  
Cxcl14  
Ccl1  
Rgs12  
Frrm1  
Col25a2  
Nrg1  
Nrg1  
Tpm3  
Fam103

**Cluster 1**

GO Term	$-\log_{10}(\text{adjusted } p \text{ value})$
upstroke-downstroke-ratio-long-square	~190
upstroke-downstroke-ratio-ramp	~180
vm-for-sag	~45
peak-v-short-square	~30

**Electrophysiological features**

GO Term	$-\log_{10}(\text{adjusted } p \text{ value})$
synaptic membrane	~190
neurotransmitter receptor complex	~190
ion channel complex	~190
postsynaptic membrane	~175
Neuroactive ligand-receptor interaction	~1.6
cell adhesion molecule binding	~1.5