

p=7.6E-04 | n=8 p=2.8E-03 | n=11 fg=0.12 fg=0.17 bg=0.04 bg=0.07 voltage-gated cation channel activity GO:0022843 ion gated channel activity GO:0022839 metal ion transmembrane transporter acti... GO:0046873 p=3.9E-03 n=11 p=1.0E-02 n=5 p=3.1E-02 n=2  $f_{0}=0.17$ bg=0.08 voltage—gated potassium channel activity GO:0005249 neurotransmitter transmembrane transport... GO:0005326 fg=0.08 bg=0.02 fg=0.03 bg=0.01 p=3.1E-02 fg=0.03 bg=0.01 neurotransmitter:sodium symporter activi... GO:0005328 high voltage-gated calcium channel activ... GO:0008331 n=2n=2 p=3.1E-02 fg=0.03 bg=0.01 solute:cation symporter activity GO:0015293
solute:cation symporter activity GO:0015294
solute:sodium symporter activity GO:0015370
passive transmembrane transporter activity. GO:0022803
channel activity GO:0015267
acetyltransferase activity GO:0005267 p=3.1E-02n=2fg=0.03 bg=0.01 p=3.1E-02 p=3.1E-02 n=2 n=2 fg=0.03 bg=0.01 fg=0.03 ba=0.01p=3.8E-02 fg=0.23 bg=0.10 p=3.8E-02fa=0.23bg=0.10 bg=0.01 n=15 p=4.0E-02 p=4.2E-02 fg=0.05 acetyltransterase activity GO:0016407
potassium channel activity GO:0005267
potassium ion transmembrane transporter ... GO:0015079
transcription factor binding GO:0008134
cysteine-type endopeptidase activity GO:0004197
GABA receptor activity GO:0016917
GABA-A receptor activity GO:0004890
benzodiazepine receptor activity GO:0008503
GABA-gated chloride ion channel activity GO:0022851
inorganic cation transmembrane transport... GO:0022890
molecular function regulator activity GO:0098772
ion channel activity GO:0005216 fa=0.08 n=5 ba = 0.03fg=0.08 bğ=0.03 p=4.2E-02 n=5 bg=0.09 p=8.1E-02 p=8.1E-02 p=8.1E-02 p=8.1E-02 p=7.2E-02n=9 $f_{0}=0.14$ n=2bg=0.01 ∥fg=0.03 bg=0.01 n=2n=2bg=0.01 ∎fğ=0.03 p=8.1E p=8.1E n=2bg=0.01 -02 n=2fg=0.03 bg=0.01 n=14 g = 0.22bg=0.10 p=8.2E-02p=9.6E -02 n=13ion channel activity GO:0005216 outward rectifier potassium channel acti... GO:0015271 sodium ion transmembrane transporter act... GO:0015081 p=9.9F -02n = 14 $\pm 0.22$ bg=0.10 -01 fg=0.05 bg=0.02 p=1.1E n=3fg=0.05 p=1.1E-01 n=3bg=0.02 bg=0.02 bg=0.02 p=1.1E-01 fg=0.05 acyltransferase activity GO:0016746 acyltransferase activity, transferring g... GO:0016747 n=3fg=0.05 p=1.1E-01 p=1.1E-01 n=3 n=12 fg=0.19 cation channel activity GO:0005261 inorganic anion transmembrane transporte... GO:0015103 bq = 0.07p=1.1E-01 fg=0.06 bg=0.03 0 2 0.0 1 3 5 0.2 0.4 0.6 0.8 1.0 fraction –log(p)

Ncol\_Nvec\_vc1.1\_XM\_001627792.3

GO:CC Ncol\_Nvec\_vc1.1\_XM\_001627792.3

n=64/343 input genes with annotations

fraction genes in fg and expected valu

