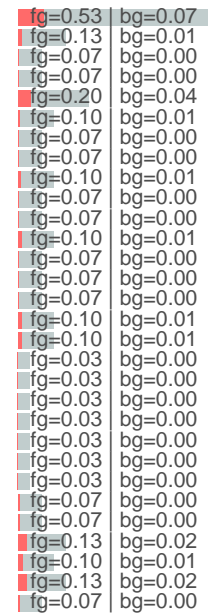
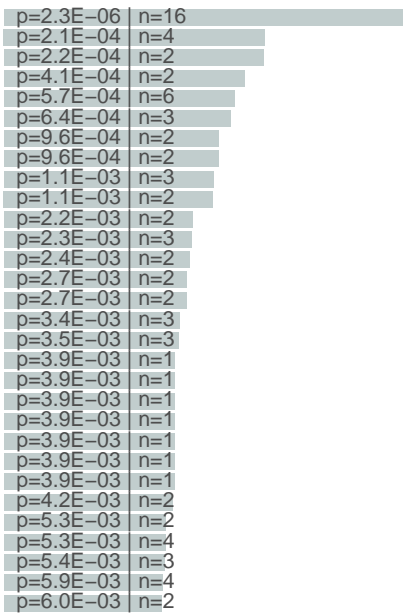


GO:BP
gc014

fraction genes in fg and expected value

G protein-coupled receptor signaling pat...	GO:0007186
negative regulation of NF-kappaB transcr...	GO:0032088
complement receptor mediated signaling p...	GO:0002430
positive regulation of neuroblast prolifer...	GO:0002052
inflammatory response	GO:0006954
postsynaptic modulation of chemical syna...	GO:0099170
positive regulation of osteoclast prolifer...	GO:0090290
bombesin receptor signaling pathway	GO:0031989
negative regulation of interleukin-6 pro...	GO:0032715
positive regulation of respiratory gaseo...	GO:1903942
positive regulation of release of seques...	GO:0051281
phasic smooth muscle contraction	GO:0014821
long-term synaptic depression	GO:0060292
antiviral innate immune response	GO:0140374
positive regulation of interferon-alpha ...	GO:0032727
inner ear morphogenesis	GO:0042472
phospholipase C-activating G protein-cou...	GO:0007200
pyramidal neuron migration to cerebral c...	GO:0021852
neurohypophysis development	GO:0021985
hypothalamus cell differentiation	GO:0021979
smooth muscle cell-matrix adhesion	GO:0061302
branchiomeric skeletal muscle developmen...	GO:0014707
regulation of cardiac muscle tissue deve...	GO:0055024
myoblast fate commitment	GO:0048625
B cell receptor signaling pathway	GO:0050853
lipopolysaccharide-mediated signaling pa...	GO:0031663
adenylate cyclase-modulating G protein-c...	GO:0007188
regulation of catecholamine secretion	GO:0050433
locomotory behavior	GO:0007626
positive regulation of feeding behavior	GO:2000253



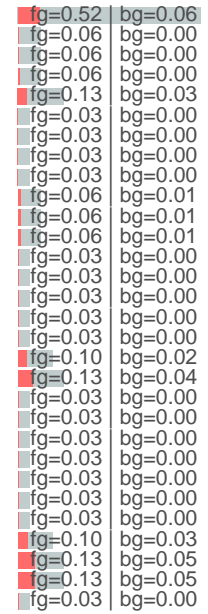
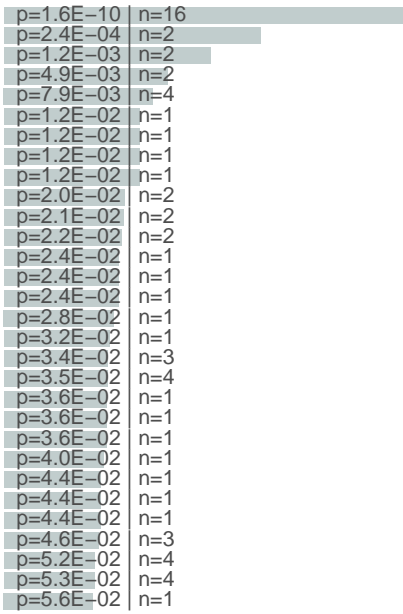
0 1 2 3 4 5
-log(p)
n=30/97 input genes with annotations

0.0 0.2 0.4 0.6 0.8 1.0
fraction

GO:MF
gc014

fraction genes in fg and expected value

G protein-coupled receptor activity	GO:0004930
complement receptor activity	GO:0004875
bombesin receptor activity	GO:0004946
postsynaptic neurotransmitter receptor a...	GO:0098960
DNA-binding transcription factor activit...	GO:0003700
polysaccharide binding	GO:0030247
NAD(P)+ nucleosidase activity	GO:0050135
NAD+ nucleotidase, cyclic ADP-ribose gen...	GO:0061809
NAD+ nucleosidase activity	GO:0003953
DNA-binding transcription repressor acti...	GO:0001227
DNA-binding transcription repressor acti...	GO:0001217
protein-hormone receptor activity	GO:0016500
dopamine neurotransmitter receptor activ...	GO:0004952
D3 dopamine receptor binding	GO:0031750
dopamine neurotransmitter receptor activ...	GO:0001588
scavenger receptor activity	GO:0005044
group II metabotropic glutamate receptor...	GO:0001641
DNA-binding transcription factor activit...	GO:0000981
sequence-specific double-stranded DNA bi...	GO:1990837
thyroxine 5'-deiodinase activity	GO:0004800
angiotensin receptor binding	GO:0031701
phosphatidylinositol-5-phosphate binding	GO:0010314
phosphatidic acid binding	GO:0070300
dopamine binding	GO:0035240
selenium binding	GO:0008430
catecholamine binding	GO:1901338
calcium ion binding	GO:0005509
double-stranded DNA binding	GO:0003690
sequence-specific DNA binding	GO:0043565
dopamine receptor binding	GO:0050780



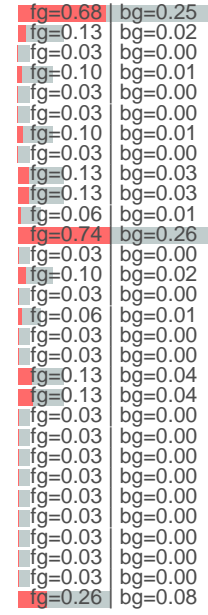
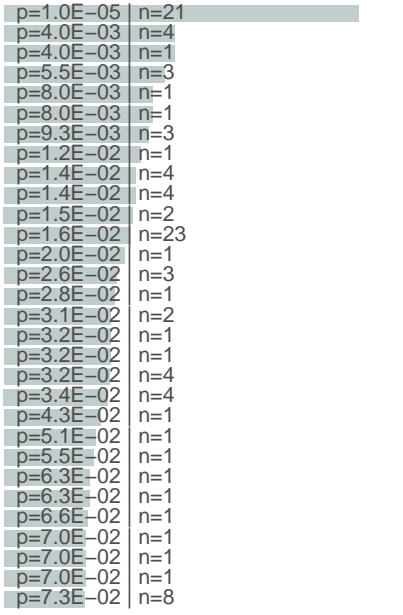
0 1 2 3 4 5
-log(p)
n=31/97 input genes with annotations

0.0 0.2 0.4 0.6 0.8 1.0
fraction

GO:CC
gc014

fraction genes in fg and expected value

plasma membrane	GO:0005886
presynaptic membrane	GO:0042734
junctional membrane complex	GO:0030314
dendritic spine	GO:0043197
rough endoplasmic reticulum lumen	GO:0048237
peptidase inhibitor complex	GO:1904090
Schaffer collateral - CA1 synapse	GO:0098685
protein complex involved in cell-matrix ...	GO:0098637
membrane raft	GO:0045121
membrane microdomain	GO:0098857
dendritic shaft	GO:0043198
cell periphery	GO:0071944
Golgi lumen	GO:0005796
postsynaptic membrane	GO:0045211
dendritic spine neck	GO:0044326
GABA-ergic synapse	GO:0098982
protein complex involved in cell adhesio...	GO:0098636
dendritic spine head	GO:0044327
glutamatergic synapse	GO:0098978
cell surface	GO:0009986
recycling endosome membrane	GO:0055038
astrocyte projection	GO:0097449
cleavage furrow	GO:0032154
GABA receptor complex	GO:1902710
GABA receptor complex	GO:1902712
glial cell projection	GO:0097386
G protein-coupled receptor complex	GO:0097648
G protein-coupled receptor dimeric compl...	GO:0038037
G protein-coupled receptor heterodimeric...	GO:0038039
plasma membrane region	GO:0098590



0 1 2 3 4 5
-log(p)
n=31/97 input genes with annotations

0.0 0.2 0.4 0.6 0.8 1.0
fraction