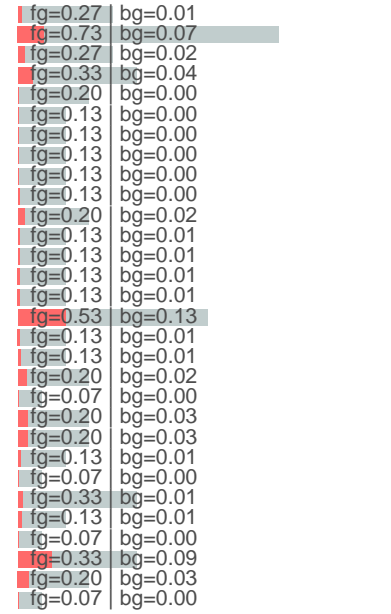
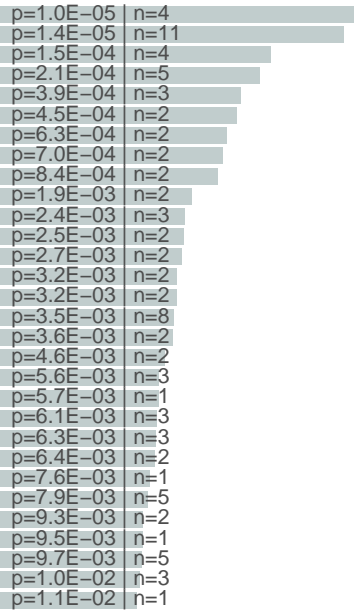


GO:BP  
gc019

fraction genes in fg and expected value

phospholipase C–activating G protein–cou...	GO:0007200
G protein–coupled receptor signaling pat...	GO:0007186
positive regulation of cytosolic calcium...	GO:0007204
modulation of chemical synaptic transmis...	GO:0050804
positive regulation of inositol phosphat...	GO:0060732
osteoblast development	GO:0002076
negative regulation of norepinephrine se...	GO:0010700
relaxation of muscle	GO:0090075
G protein–coupled receptor signaling pat...	GO:0007187
bone resorption	GO:0045453
adenylate cyclase–activating G protein–c...	GO:0007189
G protein–coupled adenosine receptor sig...	GO:0001973
bone mineralization	GO:0030282
eating behavior	GO:0042755
chondrocyte differentiation	GO:0002062
cell surface receptor signaling pathway	GO:0007166
positive regulation of endothelial cell ...	GO:0001938
negative regulation of interleukin–6 pro...	GO:0032715
regulation of lipid metabolic process	GO:0019216
G protein–coupled purinergic nucleotide ...	GO:0035589
regulation of hormone secretion	GO:0046883
locomotory behavior	GO:0007626
adenylate cyclase–inhibiting G protein–c...	GO:0007193
positive regulation of inositol trisphos...	GO:0032962
positive regulation of small molecule me...	GO:0062013
regulation of smooth muscle contraction	GO:0006940
regulation of synapse structural plastic...	GO:0051823
positive regulation of multicellular org...	GO:0051240
positive regulation of secretion by cell	GO:1903532
positive regulation of penile erection	GO:0060406



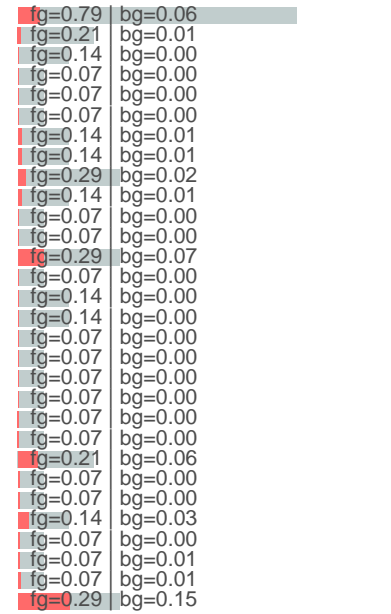
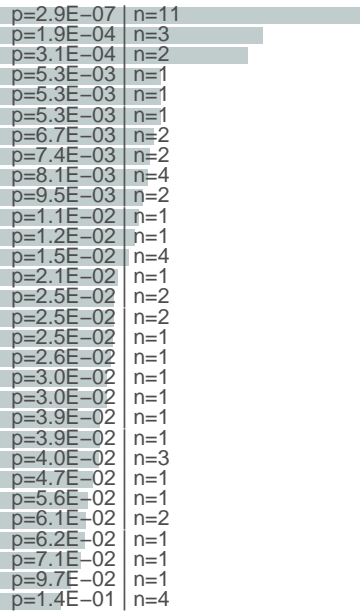
–log(p)  
n=15/44 input genes with annotations

fraction

GO:MF  
gc019

fraction genes in fg and expected value

G protein–coupled receptor activity	GO:0004930
peptide hormone binding	GO:0017046
parathyroid hormone receptor activity	GO:0004991
A1 adenosine receptor binding	GO:0031686
G protein–coupled ADP receptor activity	GO:0001621
G protein–coupled ATP receptor activity	GO:0045031
protein self–association	GO:0043621
neuropeptide receptor activity	GO:0008188
G protein–coupled peptide receptor activ...	GO:0008528
carbohydrate binding	GO:0030246
neuropeptide Y receptor activity	GO:0004983
hyaluronic acid binding	GO:0005540
protein dimerization activity	GO:0046983
group III metabotropic glutamate recepto...	GO:0001642
nucleotide receptor activity	GO:0016502
purinergic nucleotide receptor activity	GO:0001614
bombesin receptor activity	GO:0004946
nicotinic acid receptor activity	GO:0070553
growth hormone–releasing hormone recepto...	GO:0016520
growth hormone secretagogue receptor act...	GO:0001616
adenylate cyclase inhibiting G protein–c...	GO:0001640
G protein–coupled glutamate receptor act...	GO:0098988
protein homodimerization activity	GO:0042803
glutamate receptor activity	GO:0008066
G protein–coupled adenosine receptor act...	GO:0001609
calcium ion binding	GO:0005509
scaffold protein binding	GO:0097110
glycosaminoglycan binding	GO:0005539
ADP binding	GO:0043531
identical protein binding	GO:0042802



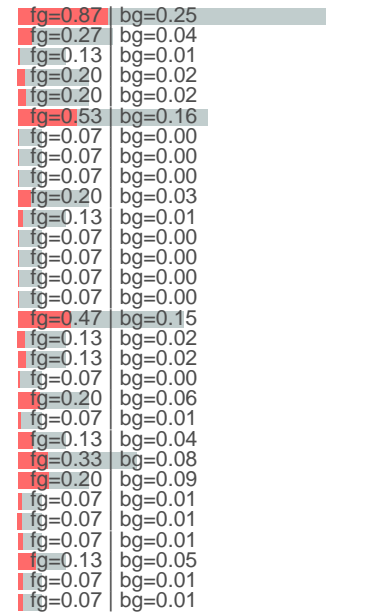
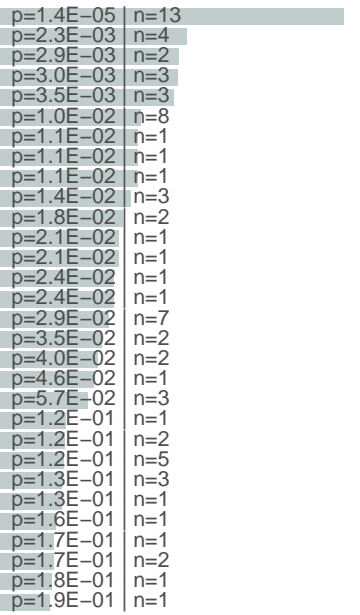
–log(p)  
n=14/44 input genes with annotations

fraction

GO:CC  
gc019

fraction genes in fg and expected value

plasma membrane	GO:0005886
glutamatergic synapse	GO:0098978
brush border membrane	GO:0031526
basolateral plasma membrane	GO:0016323
apical plasma membrane	GO:0016324
cell projection	GO:0042995
perineuronal net	GO:0072534
synapse–associated extracellular matrix	GO:0099535
perisynaptic extracellular matrix	GO:0098966
synaptic membrane	GO:0097060
Schaffer collateral – CA1 synapse	GO:0098685
growing cell tip	GO:0035838
new growing cell tip	GO:0035841
cell pole	GO:0060187
cell tip	GO:0051286
plasma membrane bounded cell projection	GO:0120025
receptor complex	GO:0043235
postsynaptic membrane	GO:0045211
presynaptic active zone membrane	GO:0048787
cilium	GO:0005929
presynaptic active zone	GO:0048786
cell surface	GO:0009986
plasma membrane region	GO:0098590
neuron projection	GO:0043005
GABA–ergic synapse	GO:0098982
non–motile cilium	GO:0097730
site of polarized growth	GO:0030427
postsynapse	GO:0098794
RNA polymerase II transcription regulato...	GO:0090575
collagen–containing extracellular matrix	GO:0062023



–log(p)  
n=15/44 input genes with annotations

fraction