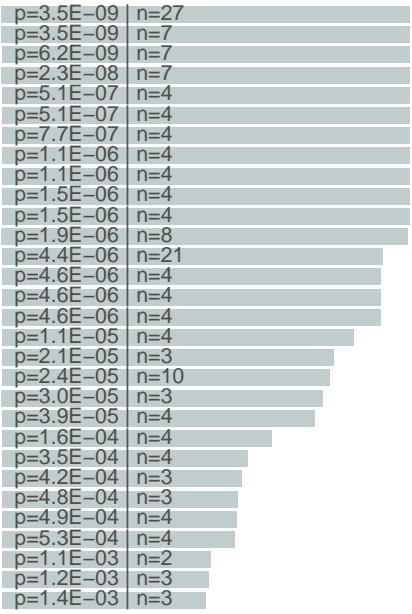


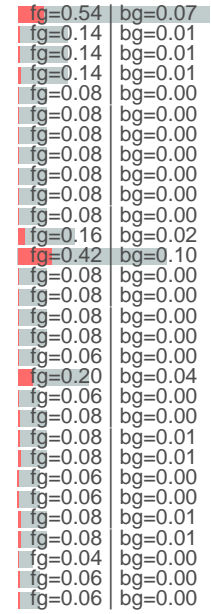
GO:BP
gc016

fraction genes in fg and expected value

G protein-coupled receptor signaling pat... GO:0007186
positive regulation of mast cell degranu... GO:0043306
G protein-coupled adenosine receptor sig... GO:0001973
presynaptic modulation of chemical synap... GO:0099171
positive regulation of chronic inflammat... GO:0002882
positive regulation of guanylate cyclase... GO:0031284
positive regulation of cGMP-mediated sig... GO:0010753
negative regulation of collagen biosynth... GO:0032966
positive regulation of norepinephrine se... GO:0010701
relaxation of vascular associated smooth... GO:0060087
positive regulation of vascular endothel... GO:0010575
adenylate cyclase-activating G protein-c... GO:0007189
regulation of cell population proliferat... GO:0042127
response to angiotensin GO:1990776
positive regulation of steroid biosynthe... GO:0010893
positive regulation of cAMP-mediated sig... GO:0043950
positive regulation of chemokine product... GO:0032722
receptor guanylyl cyclase signaling path... GO:0007168
negative regulation of cell population p... GO:0008285
cGMP biosynthetic process GO:0006182
positive regulation of interleukin-6 pro... GO:0032755
positive regulation of endothelial cell ... GO:0010595
positive regulation of endothelial cell ... GO:0001938
histamine secretion by mast cell GO:0002553
positive regulation of mucus secretion GO:0070257
response to toxic substance GO:0009636
hair follicle development GO:0001942
hydrogen peroxide catabolic process GO:0042744
positive regulation of calcium-mediated ... GO:0050850
positive regulation of phosphatidylinosi... GO:0014068



-log(p)
n=50/150 input genes with annotations

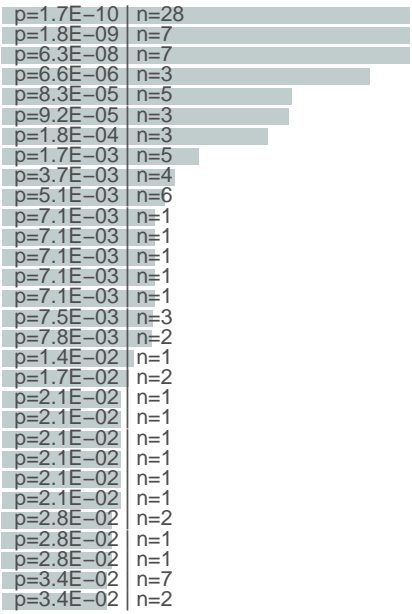


fraction

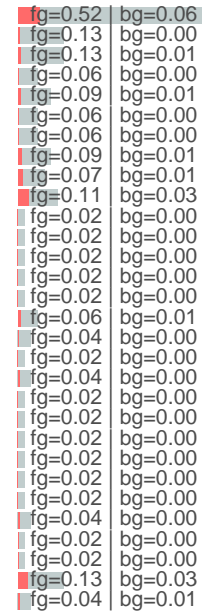
GO:MF
gc016

fraction genes in fg and expected value

G protein-coupled receptor activity GO:0004930
G protein-coupled adenosine receptor act... GO:0001609
olfactory receptor activity GO:0004984
natriuretic peptide receptor activity GO:0016941
peptide hormone binding GO:0017046
guanylate cyclase activity GO:0004383
toxic substance binding GO:0015643
neuropeptide receptor activity GO:0008188
DNA-binding transcription activator acti... GO:0001228
RNA polymerase II transcription regulato... GO:0000977
mRNA (cytidine-5-)-methyltransferase act... GO:0062152
G protein-coupled acetylcholine receptor... GO:0016907
G protein-coupled acetylcholine receptor... GO:0031789
haptoglobin binding GO:0031720
G protein-coupled neurotensin receptor a... GO:0016492
protein-hormone receptor activity GO:0016500
peroxidase activity GO:0004601
insulin binding GO:0043559
quaternary ammonium group binding GO:0050997
histone methyltransferase activity (H3-K... GO:0046976
oxygen carrier activity GO:0005344
G protein-coupled serotonin receptor act... GO:0004993
serotonin receptor activity GO:0099589
tRNA (cytosine-5-)-methyltransferase act... GO:0016428
actinin binding GO:0048185
substance K receptor activity GO:0016497
phosphatidylinositol transfer activity GO:0008526
BMP binding GO:0036122
DNA-binding transcription factor activit... GO:0003700
tachykinin receptor activity GO:0004995



-log(p)
n=54/150 input genes with annotations

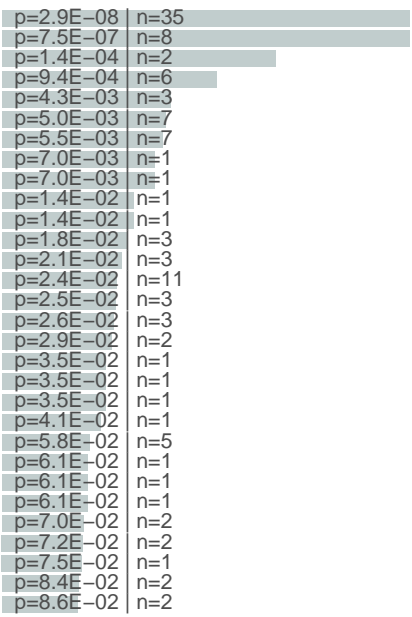


fraction

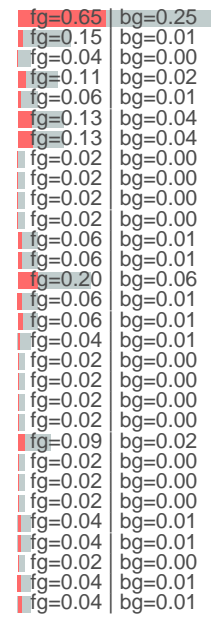
GO:CC
gc016

fraction genes in fg and expected value

plasma membrane GO:0005886
Schaffer collateral - CA1 synapse GO:0098685
aryl hydrocarbon receptor complex GO:0034751
presynaptic membrane GO:0042734
dendritic shaft GO:0043198
glutamatergic synapse GO:0098978
cell surface GO:0009986
hemoglobin complex GO:0005833
haptoglobin-hemoglobin complex GO:0031838
cytoplasmic side of apical plasma membra... GO:0098592
symmetric synapse GO:0032280
neuromuscular junction GO:0031594
neuron projection terminus GO:0044306
presynapse GO:0098793
dendritic spine GO:0043197
neuron spine GO:0044309
trans-Golgi network membrane GO:0032588
cortical endoplasmic reticulum GO:0032541
chromatoid body GO:0033391
endoplasmic reticulum-plasma membrane co... GO:0140268
transcription factor TFIIIC complex GO:0000127
receptor complex GO:0043235
ESC/E(Z) complex GO:0035098
RNA polymerase III transcription regulat... GO:0090576
chromatin silencing complex GO:0005677
sperm midpiece GO:0097225
sperm head GO:0061827
pronucleus GO:0045120
GABA-ergic synapse GO:0098982
cytoplasmic side of plasma membrane GO:0009898



-log(p)
n=54/150 input genes with annotations



fraction