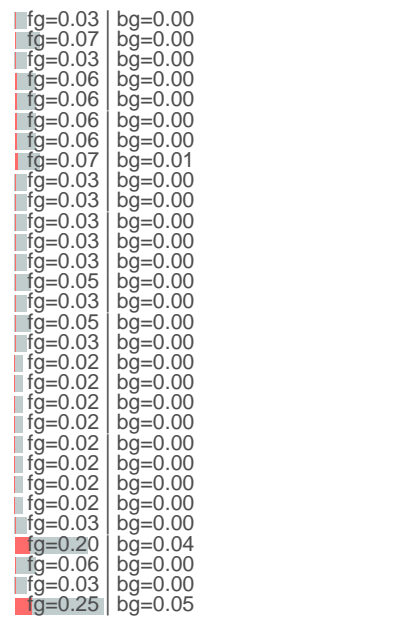
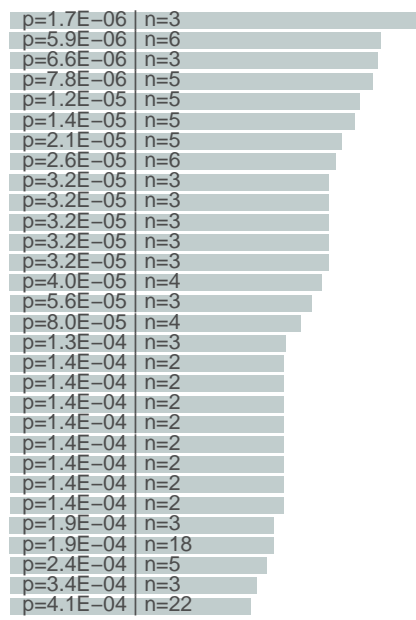


GO:BP
CniBilPla_pres

fraction genes in fg and expected value

inhibitory G protein–coupled receptor ph...	GO:0002030
calcium–dependent activation of synapti...	GO:0099502
activation of meiosis involved in egg ac...	GO:0060466
vesicle docking	GO:0048278
response to cadmium ion	GO:0046686
regulation of neuron migration	GO:2001222
regulation of voltage–gated calcium chan...	GO:1901385
cellular response to calcium ion	GO:0071277
positive regulation of phospholipase A2 ...	GO:0032430
regulation of calcium–dependent activati...	GO:0150037
positive regulation of synapse maturatio...	GO:0090129
regulation of synaptic transmission, cho...	GO:0032222
spontaneous neurotransmitter secretion	GO:0061669
response to amyloid–beta	GO:1904645
regulation of grooming behavior	GO:2000821
regulation of long–term neuronal synapti...	GO:0048169
regulation of presynaptic membrane poten...	GO:0099505
synchronous neurotransmitter secretion	GO:0071911
negative regulation of guanylate cyclase...	GO:0031283
positive regulation of calcium ion–depen...	GO:1903235
cellular response to norepinephrine stim...	GO:0071874
regulation of acetylcholine uptake	GO:0051631
cellular response to monosodium glutamat...	GO:1904009
positive regulation of glutamate uptake ...	GO:0051951
fast, calcium ion–dependent exocytosis o...	GO:0098746
positive regulation of dendritic spine m...	GO:0061003
regulation of ion transmembrane transpor...	GO:0034765
calcium ion–regulated exocytosis of neur...	GO:0048791
regulation of synaptic transmission, dop...	GO:0032225
modulation of chemical synaptic transmis...	GO:0050804



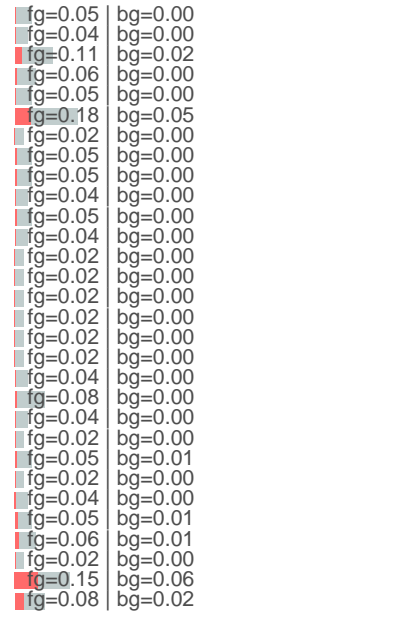
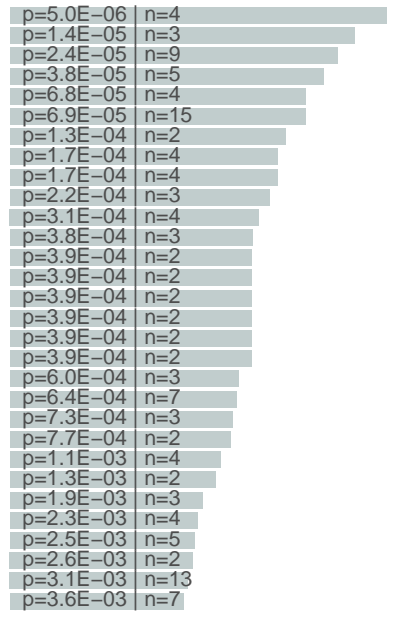
–log(p)
n=88/141 input genes with annotations

fraction

GO:MF
CniBilPla_pres

fraction genes in fg and expected value

high voltage–gated calcium channel activ...	GO:0008331
structural constituent of postsynaptic a...	GO:0098973
calmodulin binding	GO:0005516
calcium–dependent phospholipid binding	GO:0005544
calmodulin–dependent protein kinase acti...	GO:0004683
calcium ion binding	GO:0005509
alpha–2B adrenergic receptor binding	GO:0031695
delayed rectifier potassium channel acti...	GO:0005251
calcium–dependent protein serine/threoni...	GO:0009931
voltage–gated calcium channel activity i...	GO:0099626
phosphatidylserine binding	GO:0001786
phospholipase binding	GO:0043274
calcium ion sensor activity	GO:0061891
ornithine decarboxylase inhibitor activi...	GO:0008073
calcium– and calmodulin–regulated 3',5'–...	GO:0048101
syntaxin–3 binding	GO:0030348
calmodulin–dependent cyclic–nucleotide p...	GO:0004117
JUN kinase activity	GO:0004705
potassium ion binding	GO:0030955
voltage–gated calcium channel activity	GO:0005245
voltage–gated ion channel activity invol...	GO:0099508
alpha–2C adrenergic receptor binding	GO:0031696
clathrin binding	GO:0030276
alpha–2A adrenergic receptor binding	GO:0031694
G–protein beta/gamma–subunit complex bin...	GO:0031683
phosphatidylinositol–4,5–bisphosphate bi...	GO:0005546
PDZ domain binding	GO:0030165
sodium:phosphate symporter activity	GO:0005436
kinase binding	GO:0019900
protein heterodimerization activity	GO:0046982



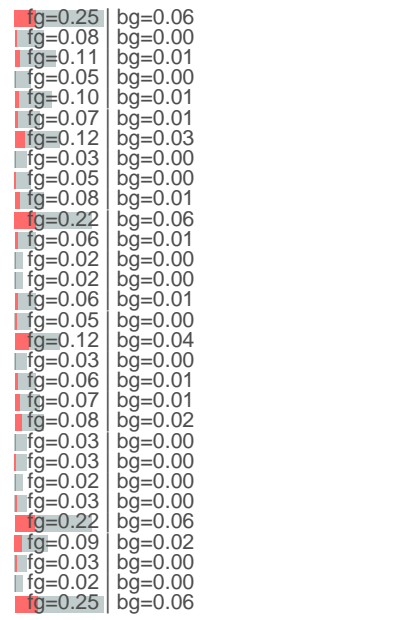
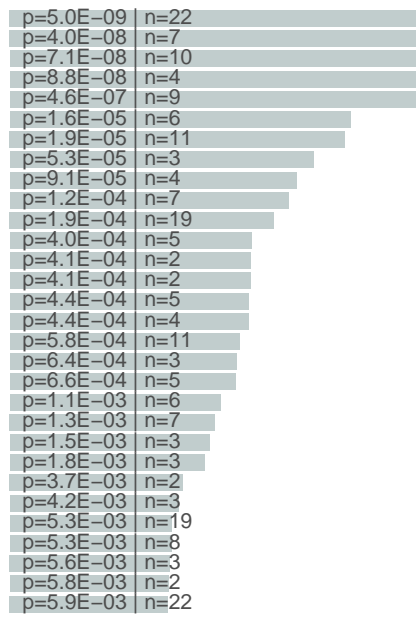
–log(p)
n=85/141 input genes with annotations

fraction

GO:CC
CniBilPla_pres

fraction genes in fg and expected value

glutamatergic synapse	GO:0098978
voltage–gated calcium channel complex	GO:0005891
synaptic vesicle membrane	GO:0030672
calcium– and calmodulin–dependent protei...	GO:0005954
perikaryon	GO:0043204
sarcoplasmic reticulum	GO:0016529
presynaptic membrane	GO:0042734
basal dendrite	GO:0097441
dendrite cytoplasm	GO:0032839
Schaffer collateral – CA1 synapse	GO:0098685
axon	GO:0030424
dendritic shaft	GO:0043198
glial limiting end–foot	GO:0097451
pericellular basket	GO:1990030
excitatory synapse	GO:0060076
dense core granule	GO:0031045
asymmetric synapse	GO:0032279
spindle midzone	GO:0051233
voltage–gated potassium channel complex	GO:0008076
presynaptic active zone	GO:0048786
neuron projection terminus	GO:0044306
axon initial segment	GO:0043194
apical dendrite	GO:0097440
clathrin–sculpted glutamate transport ve...	GO:0060203
heterotrimeric G–protein complex	GO:0005834
neuronal cell body	GO:0043025
dendritic spine	GO:0043197
neuronal cell body membrane	GO:0032809
presynaptic cytosol	GO:0099523
dendrite	GO:0030425



–log(p)
n=88/141 input genes with annotations

fraction