

# GO\_Biological\_Process\_2021

Term

regulation of cation channel activity  
(GO:2001257)

regulation of NMDA receptor activity  
(GO:2000310)

regulation of voltage-gated sodium channel  
activity (GO:1905150)

regulation of synapse structural plasticity  
(GO:0051823)

protein localization to axon (GO:0099612)

postsynaptic density protein 95 clustering  
(GO:0097119)

glutamate receptor signaling pathway  
(GO:0007215)

presynaptic membrane assembly (GO:0097105)

neuron cell-cell adhesion (GO:0007158)

regulation of release of sequestered calcium  
ion into cytosol by sarcoplasmic reticulum  
(GO:0010880)

0

2

4

6

Enrichment log(combined score)

# GO\_Cellular\_Component\_2021

Term

glutamatergic synapse (GO:0098978)

neuron to neuron synapse (GO:0098984)

neuron projection (GO:0043005)

junctional sarcoplasmic reticulum membrane  
(GO:0014701)

cation channel complex (GO:0034703)

postsynaptic density membrane (GO:0098839)

AMPA glutamate receptor complex (GO:0032281)

ionotropic glutamate receptor complex  
(GO:0008328)

postsynaptic specialization membrane  
(GO:0099634)

asymmetric synapse (GO:0032279)

0

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Enrichment log(combined score)

# GO\_Molecular\_Function\_2021

Term

neuroligin family protein binding  
(GO:0097109)

ionotropic glutamate receptor activity  
(GO:0004970)

glutamate receptor activity (GO:0008066)

adenylate cyclase inhibiting G

protein-coupled glutamate receptor activity  
(GO:0001640)

G protein-coupled glutamate receptor  
activity (GO:0098988)

ligand-gated channel activity (GO:0022834)

ligand-gated ion channel activity  
(GO:0015276)

amyloid-beta binding (GO:0001540)

voltage-gated calcium channel activity  
involved in cardiac muscle cell action  
potential (GO:0086007)

glutamate-gated calcium ion channel activity  
(GO:0022849)

cytoskeleton-nuclear membrane anchor  
activity (GO:0140444)

beta-2 adrenergic receptor binding  
(GO:0031698)

LIM domain binding (GO:0030274)

0

2

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6

Enrichment log(combined score)