



microtubule cytoskeleton

cytoskeletal part

cell cortex part

supramolecular complex

cytoplasmic region

cytoskeleton

cell cortex region

cell cortex

presynaptic active zone

apical part of cell

neuron part

presypapse

cell projection

plasma membrane region

distal axon

apical plasma membrane

axon part synapse part

plasma membrane bounded cell projection

synapse

neuromuscular junction

axon terminus

neuron projection terminus

ion channel complex

size

80

120

160

1e-05 2e-05 3e-05

4e-05

p.adjust

cation channel complex

proteinaceous extracellular matrix

cell surface

anchoring junction adherens junction

cell junction

Avg Length of Peptides in Enriched Category VS p-value of Enriched Category Adj.R2 = -0.0058767 Intercept = 0.0085944 p.val = 0.51196 0.05 type I terminal bouton 0.04 0.03 **Number of Proteins** 200 400 600 0.02 presynaptic membrane Synaptic Category postsynaptic density asymmetric synapse **FALSE** neuron to neuron synapse **TRUE** 0.01 postsynaptic specialization postsynaptic membrane synaptic vesicle membrane terminal bouton postsynapse synaptic active zone synaptic membrane 0.00 synaptic vesicle neuromuscular junction -0.01

2000

Average Peptide Length of Category

1000

3000

Adjusted p-value of Category