striated muscle cell differentiation ATP-dependent chromatin remodeling module regulation of striated muscle cell differentiation Module 1 RNA degradation immune response Module 2 negative regulation of striated muscle cell differentiation regulation of muscle cell differentiation Module 3 negative regulation of muscle cell differentiation adaptive immune response Module 4 Module 5 Proteasome Module 6 Adaptive Immune System Regulation of T cell activation by CD28 family Module 7 Ubiquitin mediated proteolysis protein ubiquitination Module 8 Signaling by the B Cell Receptor (BCR) Module 9 Protein ubiquitination electron transfer flavoprotein complex DNA replication ubiquitin protein ligase activity Module 10 T cell receptor signaling pathway Module 11 B cell receptor signaling pathway electron transfer activity DNA Replication MAPK signaling pathway sim 0.6 **Apoptosis** DNA replication initiation Oxidative phosphorylation 0.7 short-chain fatty acid biosynthetic process MAPK cascade Fatty acyl-CoA biosynthesis 0.9 fatty acid biosynthetic process ERK1 and ERK2 cascade very long-chain fatty acid biosynthetic process degree asymmetric, glutamatergic, excitatory synapse protein folding chaperone MAP kinase activity Fatty acid biosynthesis glutamatergic synapse protein serine/threonine kinase activity database Citrate cycle (TCA cycle) Fatty acid elongation Glutamatergic synapse **KEGG** Reactome protein kinase activity

Muscle contraction