non-membrane-bounded organelle assembly cellular component assembly involved in morphogenesis muscle organ development striated muscle cell development muscle cell differentiation myofibril assembly striated muscle cell differentiation sarcomere organization muscle cell development muscle tissue development striated muscle tissue development cardiac muscle tissue development number of genes O 10 muscle adaptation <u>20</u> muscle system process p.adjust regulation of muscle system process striated muscle contraction 4e-07 2e-07 heart process heart contraction regulation of muscle contraction muscle contraction regulation of actin filament-based process

6e-07

mRNA splice site selection regulation of RNA splicing RNA splicing

ATP metabolic process

generation of precursor metabolites and energy

energy derivation by oxidation of organic compounds

Celectron transport chain

cellular respiration

aerobic respiration