Top 30 Pathways for GOBP (Sorted by FDR) GO:BP - striated muscle cell development -GO:BP - muscle cell development GO:BP - striated muscle contraction GO:BP – muscle cell differentiation GO:BP - ossification involved in bone maturation GO:BP - skeletal muscle fiber development GO:BP - animal organ maturation GO:BP - striated muscle cell differentiation GO:BP - muscle tissue development GO:BP - myotube differentiation GO:BP – skeletal muscle organ development GO:BP – exploration behavior -log10(p_value) GO:BP – sarcoplasmic reticulum calcium ion transport 2.0 GO:BP - bone maturation 1.9 GO:BP - striated muscle tissue development 1.8 GO:BP - release of sequestered calcium ion into cytosol by sarcoplasmic reticulum 1.7 GO:BP - cellular response to alkaloid 1.6 GO:BP - relaxation of muscle 1.5 GO:BP - skeletal muscle tissue development GO:BP - release of sequestered calcium ion into cytosol by endoplasmic reticulum GO:BP – regulation of the force of heart contraction GO:BP - muscle contraction GO:BP - muscle system process GO:BP - cardiac chamber ballooning GO:BP – positive regulation of glucose catabolic process to lactate via pyruvate GO:BP – olfactory cortex development GO:BP - sodium ion homeostasis GO:BP – myotube cell development GO:BP – behavioral fear response GO:BP – behavioral defense response 0.5 1.0 1.5 2.0 0.0

-log10(FDR)