Top 30 of GO enrichment regulation of transcription, DNA-templated transcription, DNA-templated positive regulation of transcription, DNA-templated actin cytoskeleton organization synaptic transmission transport positive regulation of transcription from RNA polymerase II promoter nervous system development negative regulation of cell proliferation $-\log_{10}(P-Value)$ protein dephosphorylation chromatin modification multicellular organismal development intracellular signal transduction regulation of small GTPase mediated signal transduction homophilic cell adhesion via plasma membrane adhesion molecules glycosaminoglycan metabolic process negative regulation of transcription from RNA polymerase II promoter Gene number small GTPase mediated signal transduction 250 protein homooligomerization 500 cell migration 750 Rho protein signal transduction 1000 cytoskeleton organization regulation of JNK cascade positive regulation of GTPase activity negative regulation of cell migration positive regulation of MAPK cascade phosphorylation transcription from RNA polymerase II promoter histone H4-K20 demethylation neurotrophin TRK receptor signaling pathway 0.5 0.4 0.6 0.7 8.0

Rich factor