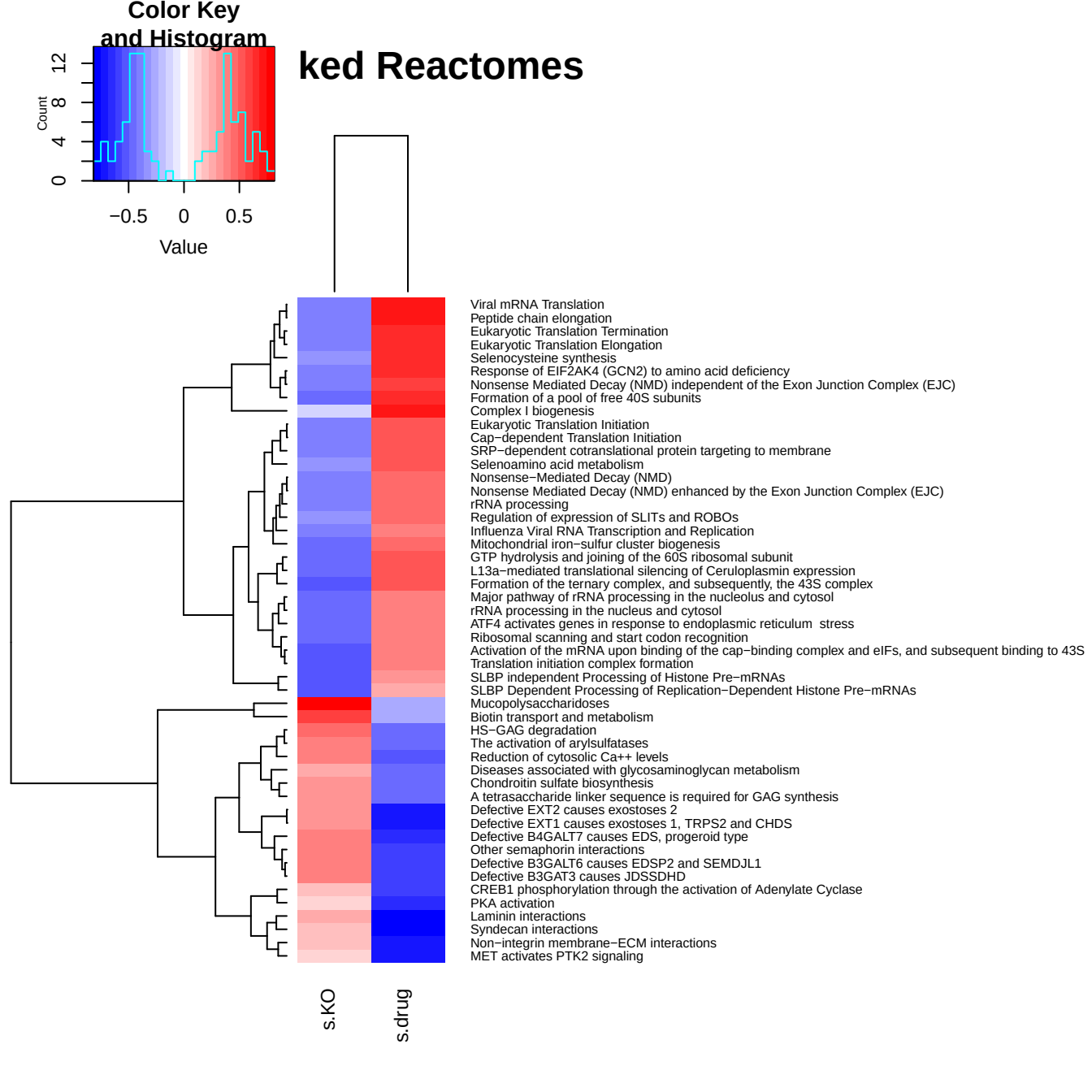
Color Key and Histogram
Count
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ked Reactomes
Viral mRNA Translation
Peptide chain elongation
Eukaryotic Translation Termination
Eukaryotic Translation Elongation
Selenocysteine synthesis
Response of EIF2AK4 (GCN2) to amino acid deficiency
Nonsense Mediated Decay (NMD) independent of the Exon Junction Complex (EJC)
Formation of a pool of free 40S subunits
Complex I biogenesis
Eukaryotic Translation Initiation
Cap−dependent Translation Initiation
SRP−dependent cotranslational protein targeting to membrane
Selenoamino acid metabolism
Nonsense−Mediated Decay (NMD)
Nonsense Mediated Decay (NMD) enhanced by the Exon Junction Complex (EJC)
rRNA processing
Regulation of expression of SLITs and ROBOs
Influenza Viral RNA Transcription and Replication
Mitochondrial iron−sulfur cluster biogenesis
GTP hydrolysis and joining of the 60S ribosomal subunit
L13a−mediated translational silencing of Ceruloplasmin expression
Formation of the ternary complex, and subsequently, the 43S complex
Major pathway of rRNA processing in the nucleolus and cytosol
rRNA processing in the nucleus and cytosol
ATF4 activates genes in response to endoplasmic reticulum stress
Ribosomal scanning and start codon recognition
Activation of the mRNA upon binding of the cap−binding complex and eIFs, and subsequent binding to 43S
Translation initiation complex formation
SLBP independent Processing of Histone Pre−mRNAs
SLBP Dependent Processing of Replication−Dependent Histone Pre−mRNAs
Mucopolysaccharidoses
Biotin transport and metabolism
HS−GAG degradation
The activation of arylsulfatases
Reduction of cytosolic Ca++ levels
Diseases associated with glycosaminoglycan metabolism
Chondroitin sulfate biosynthesis
A tetrasaccharide linker sequence is required for GAG synthesis
Defective EXT2 causes exostoses 2
Defective EXT1 causes exostoses 1, TRPS2 and CHDS
Defective B4GALT7 causes EDS, progeroid type
Other semaphorin interactions
Defective B3GALT6 causes EDSP2 and SEMDJL1
Defective B3GAT3 causes JDSSDHD
CREB1 phosphorylation through the activation of Adenylate Cyclase
PKA activation
Laminin interactions
Syndecan interactions
Non−integrin membrane−ECM interactions
MET activates PTK2 signaling
s.KO
s.drug