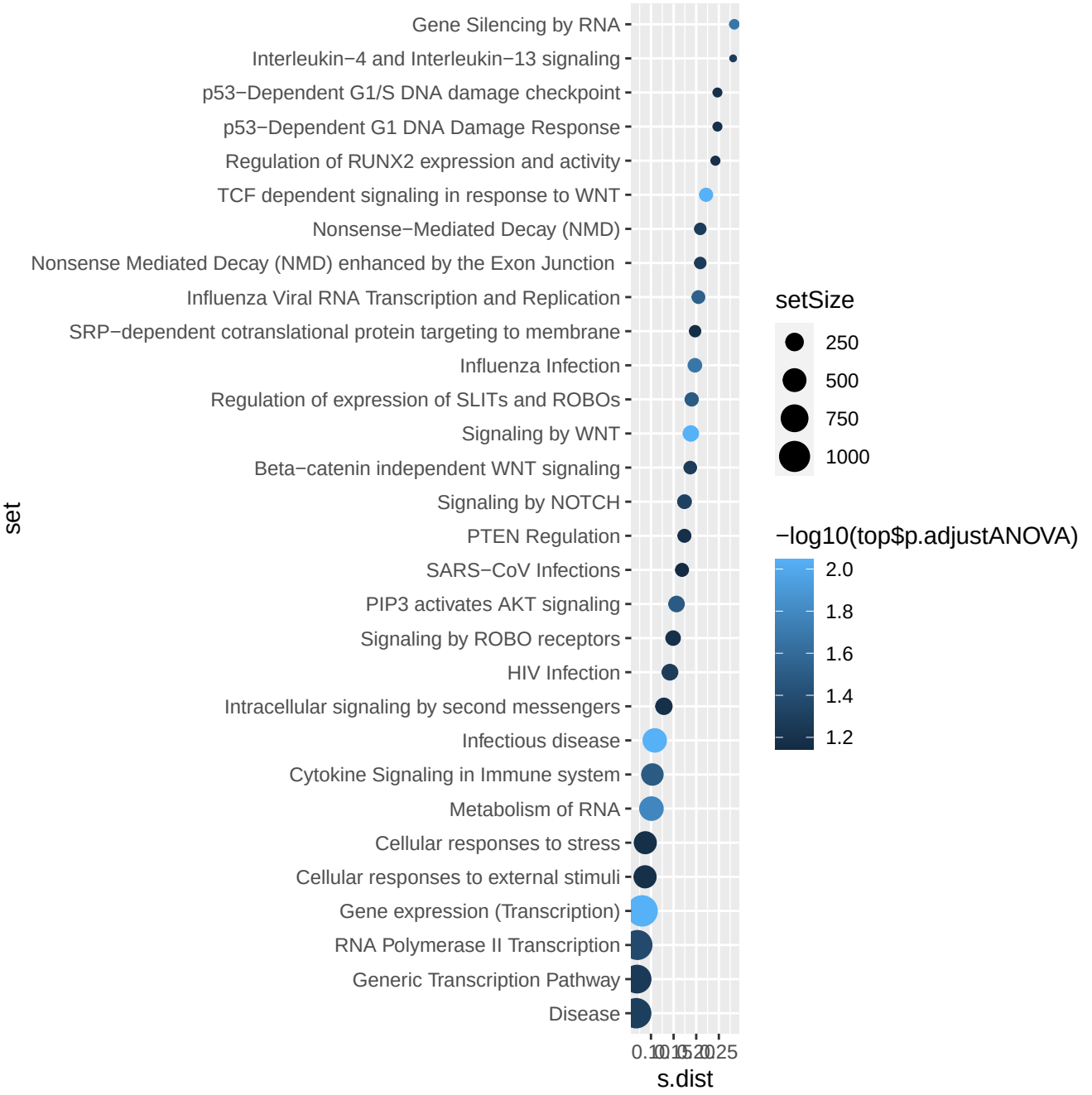
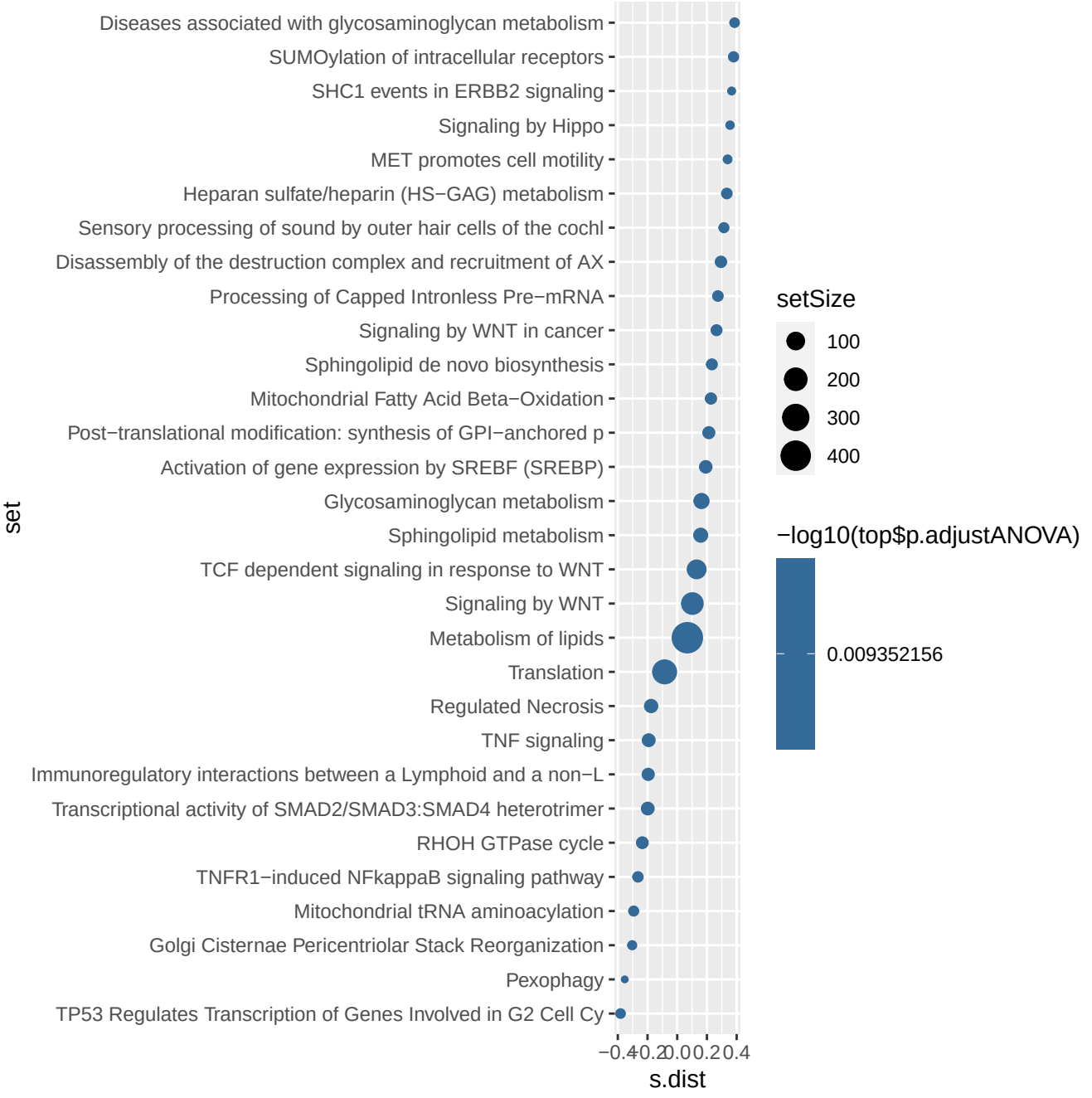

Gene Silencing by RNA
Interleukin−4 and Interleukin−13 signaling
p53−Dependent G1/S DNA damage checkpoint
p53−Dependent G1 DNA Damage Response
Regulation of RUNX2 expression and activity
TCF dependent signaling in response to WNT
Nonsense−Mediated Decay (NMD)
Nonsense Mediated Decay (NMD) enhanced by the Exon Junction
Influenza Viral RNA Transcription and Replication
SRP−dependent cotranslational protein targeting to membrane
Influenza Infection
Regulation of expression of SLITs and ROBOs
Signaling by WNT
Beta−catenin independent WNT signaling
Signaling by NOTCH
PTEN Regulation
SARS−CoV Infections
PIP3 activates AKT signaling
Signaling by ROBO receptors
HIV Infection
Intracellular signaling by second messengers
Infectious disease
Cytokine Signaling in Immune system
Metabolism of RNA
Cellular responses to stress
Cellular responses to external stimuli
Gene expression (Transcription)
RNA Polymerase II Transcription
Generic Transcription Pathway
Disease
set
0.10
0.15
0.20
0.25
s.dist
setSize
250
500
750
1000
−log10(top$p.adjustANOVA)
2.0
1.8
1.6
1.4
1.2


Diseases associated with glycosaminoglycan metabolism
SUMOylation of intracellular receptors
SHC1 events in ERBB2 signaling
Signaling by Hippo
MET promotes cell motility
Heparan sulfate/heparin (HS−GAG) metabolism
Sensory processing of sound by outer hair cells of the cochl
Disassembly of the destruction complex and recruitment of AX
Processing of Capped Intronless Pre−mRNA
Signaling by WNT in cancer
Sphingolipid de novo biosynthesis
Mitochondrial Fatty Acid Beta−Oxidation
Post−translational modification: synthesis of GPI−anchored p
Activation of gene expression by SREBF (SREBP)
Glycosaminoglycan metabolism
Sphingolipid metabolism
TCF dependent signaling in response to WNT
Signaling by WNT
Metabolism of lipids
Translation
Regulated Necrosis
TNF signaling
Immunoregulatory interactions between a Lymphoid and a non−L
Transcriptional activity of SMAD2/SMAD3:SMAD4 heterotrimer
RHOH GTPase cycle
TNFR1−induced NFkappaB signaling pathway
Mitochondrial tRNA aminoacylation
Golgi Cisternae Pericentriolar Stack Reorganization
Pexophagy
TP53 Regulates Transcription of Genes Involved in G2 Cell Cy
set
−0.4
−0.2
0.0
0.2
0.4
s.dist
setSize
100
200
300
400
−log10(top$p.adjustANOVA)
0.009352156

Negative regulation of FLT3
Peptide chain elongation
Eukaryotic Translation Elongation
Formation of a pool of free 40S subunits
SRP−dependent cotranslational protein targeting to membrane
Eukaryotic Translation Termination
Viral mRNA Translation
GTP hydrolysis and joining of the 60S ribosomal subunit
Selenocysteine synthesis
Nonsense Mediated Decay (NMD) independent of the Exon Juncti
L13a−mediated translational silencing of Ceruloplasmin expre
Eukaryotic Translation Initiation
Cap−dependent Translation Initiation
Influenza Viral RNA Transcription and Replication
Response of EIF2AK4 (GCN2) to amino acid deficiency
Influenza Infection
Nonsense−Mediated Decay (NMD)
Nonsense Mediated Decay (NMD) enhanced by the Exon Junction
Major pathway of rRNA processing in the nucleolus and cytoso
Chromatin organization
Chromatin modifying enzymes
rRNA processing in the nucleus and cytosol
rRNA processing
Processing of Capped Intron−Containing Pre−mRNA
Translation
Metabolism of RNA
Cellular responses to external stimuli
Cellular responses to stress
Infectious disease
Metabolism of proteins
set
0.1
0.2
0.3
0.4
0.5
s.dist
setSize
250
500
750
1000
1250
−log10(top$p.adjustANOVA)
2.8
2.4
2.0