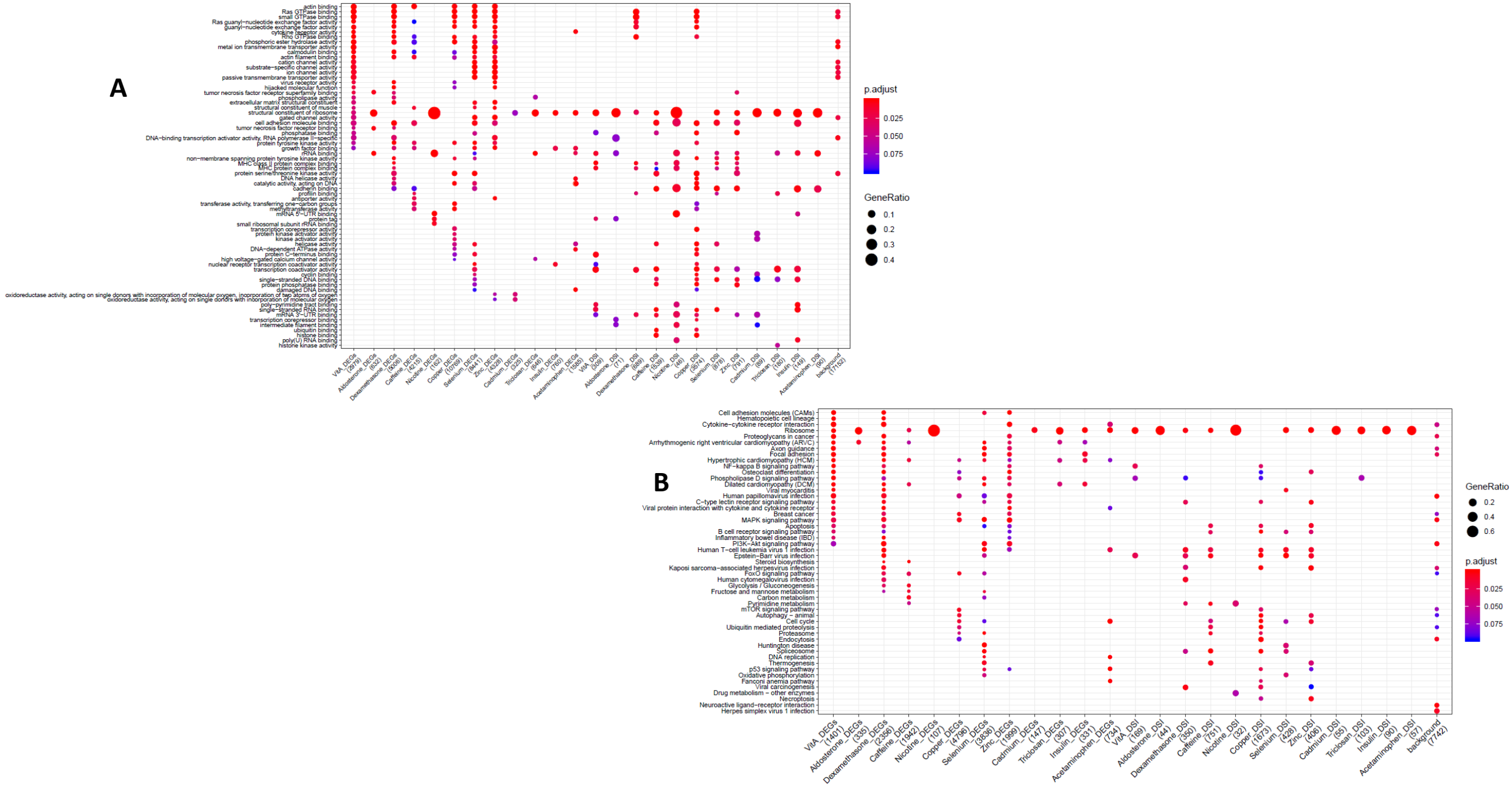
A
actin binding
Ras GTPase binding
small GTPase binding
Ras guanyl−nucleotide exchange factor activity
guanyl−nucleotide exchange factor activity
cytokine receptor activity
Rho GTPase binding
phosphoric ester hydrolase activity
metal ion transmembrane transporter activity
calmodulin binding
actin filament binding
cation channel activity
substrate−specific channel activity
ion channel activity
passive transmembrane transporter activity
virus receptor activity
hijacked molecular function
tumor necrosis factor receptor superfamily binding
phospholipase activity
extracellular matrix structural constituent
structural constituent of muscle
structural constituent of ribosome
gated channel activity
cell adhesion molecule binding
tumor necrosis factor receptor binding
phosphatase binding
DNA−binding transcription activator activity, RNA polymerase II−specific
protein tyrosine kinase activity
growth factor binding
rRNA binding
non−membrane spanning protein tyrosine kinase activity
MHC class II protein complex binding
MHC protein complex binding
protein serine/threonine kinase activity
DNA helicase activity
catalytic activity, acting on DNA
cadherin binding
profilin binding
antiporter activity
transferase activity, transferring one−carbon groups
methyltransferase activity
mRNA 5'−UTR binding
protein tag
small ribosomal subunit rRNA binding
transcription corepressor activity
protein kinase activator activity
kinase activator activity
helicase activity
DNA−dependent ATPase activity
protein C−terminus binding
high voltage−gated calcium channel activity
nuclear receptor transcription coactivator activity
transcription coactivator activity
cyclin binding
single−stranded DNA binding
protein phosphatase binding
damaged DNA binding
oxidoreductase activity, acting on single donors with incorporation of molecular oxygen, incorporation of two atoms of oxygen
oxidoreductase activity, acting on single donors with incorporation of molecular oxygen
poly−pyrimidine tract binding
single−stranded RNA binding
mRNA 3'−UTR binding
transcription corepressor binding
intermediate filament binding
ubiquitin binding
histone binding
poly(U) RNA binding
histone kinase activity
VitA_DEGs (2979)
Aldosterone_DEGs (692)
Dexamethasone_DEGs (9006)
Caffeine_DEGs (4215)
Nicotine_DEGs (162)
Copper_DEGs (10769)
Selenium_DEGs (8441)
Zinc_DEGs (4026)
Cadmium_DEGs (325)
Triclosan_DEGs (646)
Insulin_DEGs (760)
Acetaminophen_DEGs (1585)
VitA_DSI (309)
Aldosterone_DSI (71)
Dexamethasone_DSI (689)
Caffeine_DSI (1639)
Nicotine_DSI (46)
Copper_DSI (3674)
Selenium_DSI (878)
Zinc_DSI (791)
Cadmium_DSI (89)
Triclosan_DSI (180)
Insulin_DSI (149)
Acetaminophen_DSI (90)
background (11152)
p.adjust
0.025
0.050
0.075
GeneRatio
0.1
0.2
0.3
0.4
B
Cell adhesion molecules (CAMs)
Hematopoietic cell lineage
Cytokine−cytokine receptor interaction
Ribosome
Proteoglycans in cancer
Arrhythmogenic right ventricular cardiomyopathy (ARVC)
Axon guidance
Focal adhesion
Hypertrophic cardiomyopathy (HCM)
NF−kappa B signaling pathway
Osteoclast differentiation
Phospholipase D signaling pathway
Dilated cardiomyopathy (DCM)
Viral myocarditis
Human papillomavirus infection
C−type lectin receptor signaling pathway
Viral protein interaction with cytokine and cytokine receptor
Breast cancer
MAPK signaling pathway
Apoptosis
B cell receptor signaling pathway
Inflammatory bowel disease (IBD)
PI3K−Akt signaling pathway
Human T−cell leukemia virus 1 infection
Epstein−Barr virus infection
Steroid biosynthesis
Kaposi sarcoma−associated herpesvirus infection
FoxO signaling pathway
Human cytomegalovirus infection
Glycolysis / Gluconeogenesis
Fructose and mannose metabolism
Carbon metabolism
Pyrimidine metabolism
mTOR signaling pathway
Autophagy − animal
Cell cycle
Ubiquitin mediated proteolysis
Proteasome
Endocytosis
Huntington disease
Spliceosome
DNA replication
Thermogenesis
p53 signaling pathway
Oxidative phosphorylation
Fanconi anemia pathway
Viral carcinogenesis
Drug metabolism − other enzymes
Necroptosis
Neuroactive ligand−receptor interaction
Herpes simplex virus 1 infection
VitA_DEGs (1401)
Aldosterone_DEGs (335)
Dexamethasone_DEGs (2356)
Caffeine_DEGs (1942)
Nicotine_DEGs (107)
Copper_DEGs (4796)
Selenium_DEGs (3836)
Zinc_DEGs (1998)
Cadmium_DEGs (147)
Triclosan_DEGs (307)
Insulin_DEGs (331)
Acetaminophen_DEGs (734)
VitA_DSI (169)
Aldosterone_DSI (44)
Dexamethasone_DSI (350)
Caffeine_DSI (751)
Nicotine_DSI (32)
Copper_DSI (1673)
Selenium_DSI (428)
Zinc_DSI (406)
Cadmium_DSI (55)
Triclosan_DSI (103)
Insulin_DSI (90)
Acetaminophen_DSI (57)
background (7742)
GeneRatio
0.2
0.4
0.6
p.adjust
0.025
0.050
0.075