KEGG Pathway Enrichment

Axon guidance
Focal adhesion
Pathways in cancer
Adherens junction
Hippo signaling pathway
Proteoglycans in cancer
Phospholipase D signaling pathway
Rap1 signaling pathway
Morphine addiction
Adrenergic signaling in cardiomyocytes
Glutamatergic synapse
Cholinergic synapse
Hepatocellular carcinoma
Regulation of actin cytoskeleton
Circadian entrainment
Gastric acid secretion
ECM−receptor interaction
Calcium signaling pathway
Human papillomavirus infection
Insulin secretion
Platelet activation
ErbB signaling pathway
Choline metabolism in cancer
MAPK signaling pathway
Arrhythmogenic right ventricular cardiomyopathy (ARVC)
Ras signaling pathway
Thyroid hormone signaling pathway
EGFR tyrosine kinase inhibitor resistance
Leukocyte transendothelial migration
Protein digestion and absorption
Oxytocin signaling pathway
Inflammatory mediator regulation of TRP channels
cGMP−PKG signaling pathway
Small cell lung cancer
Hippo signaling pathway − multiple species
Wnt signaling pathway
Sphingolipid signaling pathway
Endocrine and other factor−regulated calcium reabsorption
Endocytosis
Serotonergic synapse
Aldosterone synthesis and secretion
Fc gamma R−mediated phagocytosis
PI3K−Akt signaling pathway
Bacterial invasion of epithelial cells
Dopaminergic synapse
cAMP signaling pathway
Apelin signaling pathway
Phosphatidylinositol signaling system
Mucin type O−glycan biosynthesis
Relaxin signaling pathway
Dilated cardiomyopathy (DCM)
Tight junction
Hedgehog signaling pathway
Glycerophospholipid metabolism
Non−small cell lung cancer
Pancreatic cancer
Inositol phosphate metabolism
Melanogenesis
Long−term depression
Long−term potentiation
AMPK signaling pathway
Estrogen signaling pathway
Hypertrophic cardiomyopathy (HCM)
Cell adhesion molecules (CAMs)
GnRH signaling pathway
Prostate cancer
mTOR signaling pathway
Ether lipid metabolism
Notch signaling pathway

FALSE−FALSE
(2645)
FALSE−TRUE
(1607)
TRUE−FALSE
(1633)
TRUE−TRUE
(847)

p.adjust
0.04
0.03
0.02
0.01

GeneRatio
0.025
0.050
0.075

Biological Process GO Enrichment

cell junction organization
cell−cell junction organization
axon development
regulation of cell morphogenesis
axonogenesis
adherens junction organization
small GTPase mediated signal transduction
regulation of small GTPase mediated signal transduction
plasma membrane organization
cell junction assembly
regulation of neuron projection development
neuron projection guidance
axon guidance
cell−substrate junction assembly
Ras protein signal transduction
cell−substrate adhesion
positive regulation of cell projection organization
blood vessel morphogenesis
cell−substrate adherens junction assembly
focal adhesion assembly
heart development
regulation of Ras protein signal transduction
protein localization to plasma membrane
regulation of cell−substrate adhesion
protein localization to cell periphery
adherens junction assembly
locomotory behavior
protein autophosphorylation
regulation of Rho protein signal transduction
extracellular structure organization
Rho protein signal transduction
extracellular matrix organization
epithelium migration
regulation of ion transmembrane transport
positive regulation of neuron projection development
ameboidal−type cell migration
regulation of epithelial cell migration
regulation of adherens junction organization
epithelial cell migration
cell−cell signaling by wnt
tissue migration
Wnt signaling pathway
regulation of focal adhesion assembly
regulation of cell−substrate junction assembly
regulation of transmembrane transport
regulation of actin filament−based process
actin filament organization
regulation of cellular component size
sodium ion transmembrane transport
cellular potassium ion transport
potassium ion transmembrane transport
potassium ion transport
regulation of actin cytoskeleton organization
establishment or maintenance of cell polarity
developmental growth involved in morphogenesis
dendrite development
regulation of cell morphogenesis involved in differentiation
regulation of cell shape
establishment of protein localization to plasma membrane
regulation of developmental growth
positive regulation of neuron differentiation
regulation of membrane potential
positive regulation of neurogenesis
positive regulation of nervous system development
regulation of anatomical structure size
regulation of cell size
regulation of axonogenesis
ensheathment of neurons
axon ensheathment
regulation of system process
dendrite morphogenesis
modulation of synaptic transmission
positive regulation of cell development
myelination
forebrain development
sensory perception of mechanical stimulus
single−organism behavior
telencephalon development
regulation of metal ion transport
phospholipid metabolic process
positive regulation of developmental growth
synapse organization
sensory perception of sound
regulation of cation transmembrane transport
calcium ion transmembrane transport
regulation of postsynaptic membrane potential
calcium ion transport
cardiac chamber development
gliogenesis
muscle tissue development
muscle cell differentiation
divalent inorganic cation transport
divalent metal ion transport
glial cell differentiation
glutamate receptor signaling pathway
muscle organ development

FALSE−FALSE (6160)
FALSE−TRUE (3617)
TRUE−FALSE (3756)
TRUE−TRUE (1971)

GeneRatio
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0.02
0.03
0.04
0.05

p.adjust
0.04
0.03
0.02
0.01

Molecular Function GO Enrichment

actin binding
Ras guanyl−nucleotide exchange factor activity
guanyl−nucleotide exchange factor activity
metal ion transmembrane transporter activity
protein serine/threonine kinase activity
calmodulin binding
cell adhesion molecule binding
gated channel activity
Rho guanyl−nucleotide exchange factor activity
actin filament binding
cation channel activity
phospholipid binding
small GTPase binding
GTPase binding
ion channel activity
substrate−specific channel activity
potassium ion transmembrane transporter activity
phosphatase binding
transmembrane receptor protein kinase activity
Ras GTPase binding
transmembrane receptor protein tyrosine phosphatase activity
transmembrane receptor protein phosphatase activity
GTPase activator activity
protein tyrosine kinase activity
GTPase regulator activity
receptor activator activity
channel activity
calcium ion transmembrane transporter activity
passive transmembrane transporter activity
cadherin binding
transmembrane receptor protein tyrosine kinase activity
sodium ion transmembrane transporter activity
nucleoside−triphosphatase regulator activity
phosphatidylinositol binding
divalent inorganic cation transmembrane transporter activity
monovalent inorganic cation transmembrane transporter activity
SH3 domain binding
PDZ domain binding
potassium channel activity
beta−catenin binding
phosphoprotein binding
motor activity
actinin binding
Rab GTPase binding
magnesium ion binding
calcium channel activity
voltage−gated ion channel activity
voltage−gated channel activity
voltage−gated cation channel activity
ligand−gated ion channel activity
ligand−gated channel activity
extracellular matrix structural constituent
ligand−gated cation channel activity
spectrin binding
growth factor binding
phosphoric ester hydrolase activity
polypeptide N−acetylgalactosaminyltransferase activity
phosphatidylinositol bisphosphate kinase activity
Rho GTPase binding
microtubule motor activity
tubulin binding
gamma−catenin binding
ankyrin binding
glutamate receptor activity
voltage−gated potassium channel activity
sodium channel activity
semaphorin receptor activity
phospholipid−translocating ATPase activity
ionotropic glutamate receptor activity
microtubule binding
phosphatase activity
extracellular−glutamate−gated ion channel activity
protein phosphatase 2A binding

FALSE−FALSE
(6176)
FALSE−TRUE
(3611)
TRUE−FALSE
(3764)
TRUE−TRUE
(1977)

GeneRatio
0.01
0.02
0.03
0.04

p.adjust
0.04
0.03
0.02
0.01

Cellular Compartment GO Enrichment

adherens junction
actin cytoskeleton
postsynapse
membrane region
cell−cell junction
cell leading edge
proteinaceous extracellular matrix
extracellular matrix component
apical part of cell
dendrite
apical plasma membrane
membrane microdomain
synaptic membrane
membrane raft
cell cortex
axon
cytoplasmic region
cell−substrate junction
focal adhesion
cell−substrate adherens junction
cell−cell adherens junction
basement membrane
cell projection membrane
cell body
neuronal cell body
receptor complex
postsynaptic specialization
postsynaptic density
extrinsic component of membrane
neuron to neuron synapse
asymmetric synapse
postsynaptic membrane
sarcolemma
basolateral plasma membrane
leading edge membrane
actin−based cell projection
presynapse
plasma membrane protein complex
plasma membrane raft
cell cortex part
main axon
lamellipodium
early endosome
axon part
cation channel complex
actomyosin
cytoplasmic side of membrane
cytoplasmic side of plasma membrane
ion channel complex
dendritic spine
transmembrane transporter complex
extrinsic component of plasma membrane
cortical cytoskeleton
extrinsic component of cytoplasmic side of plasma membrane
transporter complex
brush border
stress fiber
contractile actin filament bundle
collagen trimer
potassium channel complex
apical junction complex
voltage−gated potassium channel complex
plasma membrane receptor complex
T−tubule
bicellular tight junction
occluding junction
node of Ranvier
microtubule
axoneme
ciliary plasm
sarcoplasm
endocytic vesicle
ionotropic glutamate receptor complex
neurotransmitter receptor complex
photoreceptor inner segment

FALSE−FALSE
(6519)
FALSE−TRUE
(3828)
TRUE−FALSE
(3962)
TRUE−TRUE
(2100)

GeneRatio
0.01
0.02
0.03
0.04

p.adjust
0.04
0.03
0.02
0.01

KEGG Pathway Enrichment

Axon guidance
Pathways in cancer
Focal adhesion
Morphine addiction
Adherens junction
Glutamatergic synapse
Phospholipase D signaling pathway
Endocytosis
Phosphatidylinositol signaling system
Fc gamma R−mediated phagocytosis
Circadian entrainment
GABAergic synapse
Proteoglycans in cancer
Cholinergic synapse
Choline metabolism in cancer
Hippo signaling pathway
AMPK signaling pathway
Arrhythmogenic right ventricular cardiomyopathy (ARVC)
Thyroid hormone signaling pathway
Tight junction
Bile secretion
Adrenergic signaling in cardiomyocytes
Human papillomavirus infection
Dopaminergic synapse
Bacterial invasion of epithelial cells
Ras signaling pathway
Rap1 signaling pathway
ECM−receptor interaction
ErbB signaling pathway
Longevity regulating pathway
Relaxin signaling pathway
PI3K−Akt signaling pathway
Apelin signaling pathway
Oxytocin signaling pathway
MAPK signaling pathway
cGMP−PKG signaling pathway
Inositol phosphate metabolism
Hedgehog signaling pathway
EGFR tyrosine kinase inhibitor resistance
Ovarian steroidogenesis
Mucin type O−glycan biosynthesis
Platelet activation
Fatty acid metabolism
cAMP signaling pathway
Wnt signaling pathway
Hippo signaling pathway − multiple species
Protein digestion and absorption
Sphingolipid signaling pathway
Gastric acid secretion
Glycerophospholipid metabolism
Insulin secretion
Serotonergic synapse
Endocrine and other factor−regulated calcium reabsorption
Vascular smooth muscle contraction
Long−term depression
Hepatocellular carcinoma
Aldosterone synthesis and secretion
Dilated cardiomyopathy (DCM)
Cell adhesion molecules (CAMs)
Hypertrophic cardiomyopathy (HCM)
Melanogenesis
Amoebiasis
Calcium signaling pathway
Regulation of actin cytoskeleton
Leukocyte transendothelial migration
Small cell lung cancer
Estrogen signaling pathway
Insulin resistance
Prostate cancer
mTOR signaling pathway
Ether lipid metabolism
Endometrial cancer
Non−small cell lung cancer
Long−term potentiation
Notch signaling pathway
Inflammatory mediator regulation of TRP channels
Glioma
Basal cell carcinoma
Breast cancer
AGE−RAGE signaling pathway in diabetic complications
Salivary secretion
Type II diabetes mellitus
Gap junction
Pancreatic secretion
GnRH signaling pathway
Retrograde endocannabinoid signaling
Neurotrophin signaling pathway
Synaptic vesicle cycle
Autophagy − animal
Amphetamine addiction
HIF−1 signaling pathway
Glucagon signaling pathway
Renin secretion
Cellular senescence
Osteoclast differentiation

GenesPlusPromoters.pos .FALSE−FALSE (1924)
GenesPlusPromoters.pos .FALSE−TRUE (1361)
GenesPlusPromoters.pos .TRUE−FALSE (1364)
GenesPlusPromoters.pos .TRUE−TRUE (780)
GenesPlusPromoters.neg .FALSE−FALSE (1543)
GenesPlusPromoters.neg .FALSE−TRUE (407)
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GenesPlusPromoters.neg .TRUE−TRUE (104)

p.adjust
0.04
0.03
0.02
0.01

GeneRatio
0.025
0.050
0.075
0.100

Biological Process GO Enrichment

cell junction organization
cell−cell junction organization
plasma membrane organization
adherens junction organization
regulation of cell morphogenesis
regulation of membrane potential
axonogenesis
small GTPase mediated signal transduction
cell junction assembly
protein localization to plasma membrane
regulation of small GTPase mediated signal transduction
axon development
positive regulation of cell projection organization
cell−substrate adherens junction assembly
focal adhesion assembly
protein localization to cell periphery
Ras protein signal transduction
cell−substrate junction assembly
regulation of cellular component size
cell−substrate adhesion
adherens junction assembly
regulation of neuron projection development
extracellular structure organization
developmental cell growth
regulation of Rho protein signal transduction
extracellular matrix organization
regulation of Ras protein signal transduction
regulation of actin filament−based process
Rho protein signal transduction
actin filament organization
regulation of cell−substrate adhesion
regulation of adherens junction organization
regulation of actin cytoskeleton organization
regulation of ion transmembrane transport
establishment or maintenance of cell polarity
cell−cell signaling by wnt
neuron projection guidance
regulation of cell morphogenesis involved in differentiation
cellular potassium ion transport
potassium ion transmembrane transport
axon guidance
Wnt signaling pathway
regulation of focal adhesion assembly
regulation of cell−substrate junction assembly
locomotory behavior
sodium ion transmembrane transport
establishment of protein localization to plasma membrane
potassium ion transport
regulation of transmembrane transport
dendrite development
regulation of cell shape
developmental growth involved in morphogenesis
dendrite morphogenesis
epithelium migration
epithelial cell migration
heart development
positive regulation of neuron projection development
regulation of axonogenesis
establishment of cell polarity
regulation of developmental growth
tissue migration
ensheathment of neurons
axon ensheathment
regulation of epithelial cell migration
regulation of cell size
regulation of anatomical structure size
negative regulation of supramolecular fiber organization
regulation of vesicle−mediated transport
regulation of cell projection assembly
myelination
calcium ion transmembrane transport
chemical synaptic transmission, postsynaptic
sodium ion transport
regulation of supramolecular fiber organization
blood vessel morphogenesis
ameboidal−type cell migration
membrane assembly
positive regulation of nervous system development
regulation of cation transmembrane transport
positive regulation of neurogenesis
ERBB signaling pathway
positive regulation of neuron differentiation
gliogenesis
regulation of system process
second−messenger−mediated signaling
glial cell differentiation
positive regulation of developmental growth
skeletal system development
phospholipid metabolic process
angiogenesis
positive regulation of cell development
synapse organization
modulation of synaptic transmission
regulation of endothelial cell migration
positive regulation of synaptic transmission
renal system development
calcium ion transport
peptidyl−tyrosine modification
peptidyl−tyrosine phosphorylation
divalent inorganic cation transport
positive regulation of cell migration
peptidyl−threonine phosphorylation
muscle cell differentiation
synapse assembly
positive regulation of cell motility
divalent metal ion transport
appendage morphogenesis
limb morphogenesis
regulation of blood circulation
positive regulation of cellular component movement
aorta development
urogenital system development
sensory organ morphogenesis
cardiac chamber development
cardiac ventricle development
cardiac septum development
circulatory system process
blood circulation
telencephalon development
sensory perception of mechanical stimulus
muscle organ development
muscle tissue development
forebrain development
sensory perception of sound
striated muscle tissue development
glomerulus development
positive regulation of locomotion
coronary vasculature development
embryonic limb morphogenesis
embryonic appendage morphogenesis
embryonic organ development
appendage development
limb development
inner ear development
neuron−neuron synaptic transmission
ear development
regulation of metal ion transport
tube morphogenesis
neuromuscular process
hindbrain development
embryonic digit morphogenesis
retina layer formation
neurotransmitter transport
regulation of synapse organization
regulation of neurotransmitter levels
presynaptic process involved in chemical synaptic transmission
neurotransmitter secretion
signal release from synapse
regulation of synapse structure or activity
inner ear morphogenesis
signal release
negative regulation of cellular response to growth factor stimulus
ear morphogenesis
embryonic organ morphogenesis
homophilic cell adhesion via plasma membrane adhesion molecules
synaptic vesicle cycle
calcium ion regulated exocytosis
synaptic vesicle exocytosis
synaptic vesicle transport
establishment of synaptic vesicle localization
vesicle−mediated transport in synapse
regulation of calcium ion−dependent exocytosis
synaptic vesicle recycling
neuron death
cerebellar cortex development
clathrin−dependent endocytosis
cerebellar cortex morphogenesis
regulation of neuron death
metencephalon development
cerebellum development
cerebellum morphogenesis
regulation of muscle adaptation
muscle adaptation
neural retina development
hindbrain morphogenesis
striated muscle adaptation
skeletal muscle adaptation
pons development
positive regulation of neuron death

GenesPlusPromoters.pos .FALSE−FALSE (4455)
GenesPlusPromoters.pos .FALSE−TRUE (3094)
GenesPlusPromoters.pos .TRUE−FALSE (3157)
GenesPlusPromoters.pos .TRUE−TRUE (1815)
GenesPlusPromoters.neg .FALSE−FALSE (3538)
GenesPlusPromoters.neg .FALSE−TRUE (879)
GenesPlusPromoters.neg .TRUE−FALSE (1126)
GenesPlusPromoters.neg .TRUE−TRUE (228)

GeneRatio
0.025
0.050
0.075

p.adjust
0.04
0.03
0.02
0.01

Molecular Function GO Enrichment

actin binding
guanyl−nucleotide exchange factor activity
Ras guanyl−nucleotide exchange factor activity
GTPase binding
small GTPase binding
metal ion transmembrane transporter activity
Rho guanyl−nucleotide exchange factor activity
actin filament binding
Ras GTPase binding
cell adhesion molecule binding
cation channel activity
phosphatase binding
gated channel activity
protein serine/threonine kinase activity
calcium ion transmembrane transporter activity
calmodulin binding
phosphatidylinositol binding
phospholipid binding
cadherin binding
calcium channel activity
ion channel activity
tubulin binding
potassium ion transmembrane transporter activity
divalent inorganic cation transmembrane transporter activity
substrate−specific channel activity
actinin binding
Rab GTPase binding
potassium channel activity
GTPase activator activity
motor activity
voltage−gated cation channel activity
channel activity
passive transmembrane transporter activity
GTPase regulator activity
phosphatidylinositol−3,4,5−trisphosphate binding
microtubule binding
alpha−actinin binding
phosphatidylinositol phosphate binding
receptor activator activity
nucleoside−triphosphatase regulator activity
magnesium ion binding
beta−catenin binding
nuclear hormone receptor binding
3',5'−cyclic−AMP phosphodiesterase activity
Rac guanyl−nucleotide exchange factor activity
clathrin binding
microtubule motor activity
voltage−gated ion channel activity
voltage−gated channel activity
SH3 domain binding
sodium ion transmembrane transporter activity
ligand−gated cation channel activity
ligand−gated ion channel activity
ligand−gated channel activity
intracellular ligand−gated ion channel activity
monovalent inorganic cation transmembrane transporter activity
gamma−catenin binding
spectrin binding
polypeptide N−acetylgalactosaminyltransferase activity
cAMP binding
Rho GTPase binding
sodium channel activity
phosphoric ester hydrolase activity
phosphoprotein binding
glutamate receptor activity
protein phosphatase binding
voltage−gated potassium channel activity
transmembrane receptor protein tyrosine kinase activity
14−3−3 protein binding
steroid hormone receptor activity
transmembrane receptor protein kinase activity
ion gated channel activity
acetylgalactosaminyltransferase activity
receptor regulator activity
growth factor binding
sulfur compound binding
transmembrane receptor protein tyrosine phosphatase activity
transmembrane receptor protein phosphatase activity
scavenger receptor activity
extracellular matrix structural constituent
glycoprotein binding
ionotropic glutamate receptor activity
extracellular−glutamate−gated ion channel activity
glycosaminoglycan binding
proteoglycan binding
cargo receptor activity
protein tyrosine kinase activity
heparan sulfate proteoglycan binding
ankyrin binding
PDZ domain binding
ion channel binding
phospholipid transporter activity
semaphorin receptor activity
phosphatase activity
nucleotide kinase activity
protein phosphatase 2A binding
phosphoprotein phosphatase activity
protein complex scaffold
transforming growth factor beta binding
transcription factor activity, RNA polymerase II core promoter proximal region sequence−specific binding
RNA polymerase II transcription factor activity, ligand−activated sequence−specific DNA binding
transcription factor activity, direct ligand regulated sequence−specific DNA binding
low−density lipoprotein particle binding
scaffold protein binding
intracellular calcium activated chloride channel activity
intracellular chloride channel activity
transcriptional activator activity, RNA polymerase II transcription regulatory region sequence−specific binding
core promoter proximal region DNA binding
core promoter proximal region sequence−specific DNA binding
RNA polymerase II core promoter proximal region sequence−specific DNA binding
transcriptional activator activity, RNA polymerase II core promoter proximal region sequence−specific binding
dopamine receptor binding
p53 binding
channel regulator activity
RNA polymerase II core promoter sequence−specific DNA binding
solute:sodium symporter activity
tumor necrosis factor−activated receptor activity
death receptor activity
dicarboxylic acid transmembrane transporter activity

GenesPlusPromoters.pos.FALSE−FALSE (4464)
GenesPlusPromoters.pos.FALSE−TRUE (3075)
GenesPlusPromoters.pos.TRUE−FALSE (3172)
GenesPlusPromoters.pos.TRUE−TRUE (1820)
GenesPlusPromoters.neg.FALSE−FALSE (3538)
GenesPlusPromoters.neg.FALSE−TRUE (887)
GenesPlusPromoters.neg.TRUE−FALSE (1119)
GenesPlusPromoters.neg.TRUE−TRUE (227)

p.adjust
0.04
0.03
0.02
0.01

GeneRatio
0.02
0.04
0.06
0.08

Cellular Compartment GO Enrichment

adherens junction
cell leading edge
actin cytoskeleton
postsynapse
cytoplasmic region
extracellular matrix component
dendrite
cell cortex
cell−cell junction
cell−substrate junction
proteinaceous extracellular matrix
membrane region
synaptic membrane
cell−substrate adherens junction
focal adhesion
sarcolemma
cell projection membrane
basement membrane
contractile fiber part
extrinsic component of membrane
I band
cell−cell adherens junction
postsynaptic membrane
myofibril
lamellipodium
axon
early endosome
contractile fiber
sarcomere
cation channel complex
cluster of actin−based cell projections
Z disc
main axon
cell cortex part
cell body
apical part of cell
ion channel complex
postsynaptic specialization
membrane microdomain
postsynaptic density
neuron to neuron synapse
axon part
asymmetric synapse
membrane raft
actin−based cell projection
neuronal cell body
presynapse
actomyosin
basolateral plasma membrane
apical plasma membrane
brush border
ruffle
leading edge membrane
cytoplasmic side of membrane
cytoplasmic side of plasma membrane
collagen trimer
cortical cytoskeleton
transmembrane transporter complex
dendritic spine
transporter complex
voltage−gated potassium channel complex
potassium channel complex
receptor complex
neuron spine
plasma membrane protein complex
ciliary part
extrinsic component of plasma membrane
apical junction complex
exocytic vesicle
extrinsic component of cytoplasmic side of plasma membrane
synaptic vesicle
node of Ranvier
presynaptic membrane
plasma membrane raft
occluding junction
bicellular tight junction
trans−Golgi network
plasma membrane receptor complex
recycling endosome
T−tubule
axoneme
ciliary plasm
axolemma
caveola
perikaryon
catenin complex
M band
transport vesicle
endocytic vesicle
photoreceptor inner segment
ionotropic glutamate receptor complex
neurotransmitter receptor complex
sarcoplasm
transcriptional repressor complex
neuron projection terminus
excitatory synapse
synaptic vesicle membrane
exocytic vesicle membrane
secretory granule membrane
axon terminus
transport vesicle membrane
astrocyte projection
glial cell projection
neuronal cell body membrane
cell body membrane

GenesPlusPromoters.pos .FALSE−FALSE (4697)
GenesPlusPromoters.pos .FALSE−TRUE (3268)
GenesPlusPromoters.pos .TRUE−FALSE (3335)
GenesPlusPromoters.pos .TRUE−TRUE (1938)
GenesPlusPromoters.neg .FALSE−FALSE (3768)
GenesPlusPromoters.neg .FALSE−TRUE (933)
GenesPlusPromoters.neg .TRUE−FALSE (1180)
GenesPlusPromoters.neg .TRUE−TRUE (237)

p.adjust
0.04
0.03
0.02
0.01

GeneRatio
0.02
0.04
0.06
0.08

Disease Ontology Enrichment

physical disorder

autism spectrum disorder

autistic disorder

pervasive developmental disorder

central nervous system cancer

meningioma

GenesPlusPromoters.neg
.FALSE−FALSE
(1935)

p.adjust
0.030
0.025
0.020
0.015
0.010

GeneRatio
0.020
0.025
0.030
0.035