
Molecular function
zinc ion binding
xyloglucan:xyloglucosyl transferase activity
voltage- gated ion channel activity
voltage- gated chloride channel activity
voltage- gated channel activity
voltage- gated anion channel activity
unfolded protein binding
ubiquitin- protein ligase activity
tubulin binding
tryptophan synthase activity
tRNA dihydrouridine synthase activity
transporter activity
transmembrane transporter activity
transition metal ion binding
transferase activity, transferring sulfur- containing groups
transferase activity, transferring phosphorus- containing groups
transferase activity, transferring one- carbon groups
transferase activity, transferring hexosyl groups
transferase activity, transferring glycosyl groups
transferase activity, transferring acyl groups other than amino- acyl groups
transferase activity, transferring acyl groups
transferase activity
transcription regulator activity
transcription factor activity
threonine- type peptidase activity
threonine- type endopeptidase activity
tetrapyrrole binding
terpene synthase activity
sulfotransferase activity
substrate- specific transporter activity
substrate- specific transmembrane transporter activity
structure- specific DNA binding
structural molecule activity
structural constituent of ribosome
steroid dehydrogenase activity, acting on the CH- OH group of donors, NAD or NADP as acceptor
steroid dehydrogenase activity
S- methyltransferase activity
small conjugating protein ligase activity
shikimate 5- dehydrogenase activity
serine- type exopeptidase activity
serine- type endopeptidase inhibitor activity
serine- type carboxypeptidase activity
serine O- acyltransferase activity
serine O- acetyltransferase activity
sequence- specific DNA binding
secondary active transmembrane transporter activity
rRNA binding
RNA polymerase activity
ribonucleotide binding
receptor binding
pyrophosphatase activity
purine ribonucleotide binding
purine nucleotide binding
purine nucleoside binding
purine NTP- dependent helicase activity
proton- transporting ATPase activity, rotational mechanism
protein kinase activity
protein disulfide oxidoreductase activity
primary active transmembrane transporter activity
prephenate dehydratase activity
P- P- bond- hydrolysis- driven transmembrane transporter activity
potassium ion transmembrane transporter activity
polysaccharide binding
phosphotransferase activity, alcohol group as acceptor
phosphorylase activity
phospholipid transporter activity
phospholipid- translocating ATPase activity
peroxidase activity
peptidyl- prolyl cis- trans isomerase activity
peptide- methionine (R)- S- oxide reductase activity
pectinesterase activity
pattern binding
oxidoreductase activity, acting on the CH- OH group of donors, NAD or NADP as acceptor
oxidoreductase activity, acting on the aldehyde or oxo group of donors, NAD or NADP as acceptor
oxidoreductase activity, acting on the aldehyde or oxo group of donors
oxidoreductase activity, acting on sulfur group of donors
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
oxidoreductase activity, acting on peroxide as acceptor
oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen
oxidoreductase activity, acting on CH- OH group of donors
oxidoreductase activity
O- methyltransferase activity
nucleotidyltransferase activity
nucleotide binding
nucleoside- triphosphatase activity
nucleoside binding
nucleic acid binding
nicotianamine synthase activity
NAD or NADH binding
NAD+ ADP- ribosyltransferase activity
N- acetyltransferase activity
motor activity
monovalent inorganic cation transmembrane transporter activity
microtubule motor activity
microtubule binding
methyltransferase activity
metal ion binding
metal cluster binding
magnesium ion binding
lipid transporter activity
L- 3- cyanoalanine synthase activity
kinase activity
iron- sulfur cluster binding
iron ion binding
ion transmembrane transporter activity
ion binding
intramolecular oxidoreductase activity, transposing C=C bonds
intramolecular oxidoreductase activity, interconverting aldoses and ketoses
intramolecular oxidoreductase activity
intramolecular lyase activity
inositol- 3- phosphate synthase activity
inorganic diphosphatase activity
inorganic cation transmembrane transporter activity
hydroxymethylglutaryl- CoA reductase (NADPH) activity
hydro- lyase activity
hydrolase activity, hydrolyzing O- glycosyl compounds
hydrolase activity, acting on glycosyl bonds
hydrolase activity, acting on acid anhydrides, in phosphorus- containing anhydrides
hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances
hydrolase activity, acting on acid anhydrides
hydrolase activity
hydrogen ion transporting ATP synthase activity, rotational mechanism
hydrogen ion transmembrane transporter activity
heme- copper terminal oxidase activity
heme binding
helicase activity
heat shock protein binding
GTPase activity
growth factor activity
glycogen phosphorylase activity
fructose- bisphosphate aldolase activity
fructose 1,6- bisphosphate 1- phosphatase activity
FMN binding
ferric iron binding
fatty acid synthase activity
exopeptidase activity
electron transporter, transferring electrons within the cyclic electron transport pathway of photosynthesis activity
electron carrier activity
drug transmembrane transporter activity
double- stranded DNA binding
DNA topoisomerase activity
DNA polymerase activity
DNA helicase activity
DNA- directed RNA polymerase activity
DNA- directed DNA polymerase activity
DNA binding
di- , tri- valent inorganic cation transmembrane transporter activity
disulfide oxidoreductase activity
dioxygenase activity
diacylglycerol O- acyltransferase activity
cytoskeletal protein binding
cysteine synthase activity
copper ion binding
cofactor binding
coenzyme binding
cis- trans isomerase activity
chloride channel activity
cation- transporting ATPase activity
cation transmembrane transporter activity
cation binding
catalytic activity
carboxypeptidase activity
carboxylesterase activity
carbon- oxygen lyase activity, acting on phosphates
carbon- oxygen lyase activity
carbonate dehydratase activity
carbohydrate phosphatase activity
carbohydrate binding
calmodulin binding
calcium ion binding
calcium- dependent phospholipid binding
binding
ATP- dependent peptidase activity
ATP- dependent helicase activity
ATP- dependent DNA helicase activity
ATP binding
ATPase activity, coupled to transmembrane movement of substances
ATPase activity, coupled to transmembrane movement of ions
ATPase activity, coupled to movement of substances
ATPase activity, coupled
ATPase activity
antiporter activity
antioxidant activity
anion transmembrane transporter activity
anion channel activity
amylase activity
alpha- mannosidase activity
ADP binding
adenyl ribonucleotide binding
adenyl nucleotide binding
adenylate kinase activity
acylglycerol O- acyltransferase activity
active transmembrane transporter activity
acetyltransferase activity
5- methyltetrahydropteroyltri- L- glutamate- dependent methyltransferase activity
5- methyltetrahydropteroyltriglutamate- homocysteine S- methyltransferase activity
3- oxoacyl- [acyl- carrier- protein] synthase activity
3- deoxy- 7- phosphoheptulonate synthase activity
3- dehydroquinate dehydratase activity
3- beta- hydroxy- delta5- steroid dehydrogenase activity
2 iron, 2 sulfur cluster binding
Dawn_Down
Dawn_Up
Dusk_Down
Dusk_Up
Dawn_Down
Dawn_Up
Dusk_Down
Dusk_Up
Dawn_Down
Dawn_Up
Dusk_Down
Dusk_Up
Dawn_Down
Dawn_Up
Dusk_Down
Dusk_Up
Leaf
Root
Leaf
Root
Cold
Heat
count
250
500
750
1000
- log10(pvalue)
20
10