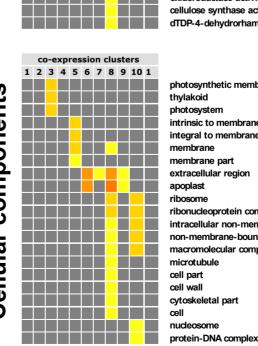
cellular biosynthetic process





co-expression clusters

Molecular function

1 2 3 4 5 6 7 8 9 10 11

photosynthetic membrane thylakoid photosystem intrinsic to membrane integral to membrane membrane membrane part extracellular region apoplast ribosome ribonucleoprotein complex intracellular non-membrane-bounded organelle non-membrane-bounded organelle macromolecular complex microtubule cell part cell wall cytoskeletal part nucleosome

ATP binding protein kinase activity adenyl ribonucleotide binding adenyl nucleotide binding purine nucleoside binding nucleoside binding protein serine/threonine kinase activity phosphotransferase activity, alcohol group as acceptor purine ribonucleotide binding ribonucleotide binding kinase activity purine nucleotide binding nucleotide binding heat shock protein binding transferase activity, transferring phosphorus-containing groups vitamin binding cofactor binding oxidoreductase activity oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen pyridoxal phosphate binding vitamin B6 binding peptidase inhibitor activity endopeptidase inhibitor activity enzyme inhibitor activity transcription regulator activity transcription factor activity serine-type endopeptidase inhibitor activity water binding O-acyltransferase activity transferring acyl groups other than amino-acyl groups iron ion binding transferase activity, transferring acyl groups O-methyltransferase activity electron carrier activity monooxygenase activity heme binding tetrapyrrole binding transferase activity, transferring hexosyl groups sequence-specific DNA binding transporter activity secondary active transmembrane transporter activity transferase activity, transferring glycosyl groups transmembrane transporter activity antiporter activity drug transmembrane transporter activity active transmembrane transporter activity substrate-specific transmembrane transporter activity

> hydrolase activity, acting on glycosyl bonds hydrolase activity, hydrolyzing O-glycosyl compounds catalytic activity

substrate-specific transporter activity

nutrient reservoir activity peroxidase activity oxidoreductase activity, acting on peroxide as acceptor

antioxidant activity

transferase activity structural molecule activity structural constituent of ribosome

copper ion binding

structural constituent of cell wall xyloglucan: xyloglucosyl transferase activity

cellulose synthase (UDP-forming) activity

oxidoreductase activity, acting on diphenols and related substances as donors, oxygen as acceptor cellulose synthase activity

dTDP-4-dehydrorhamnose reductase activity