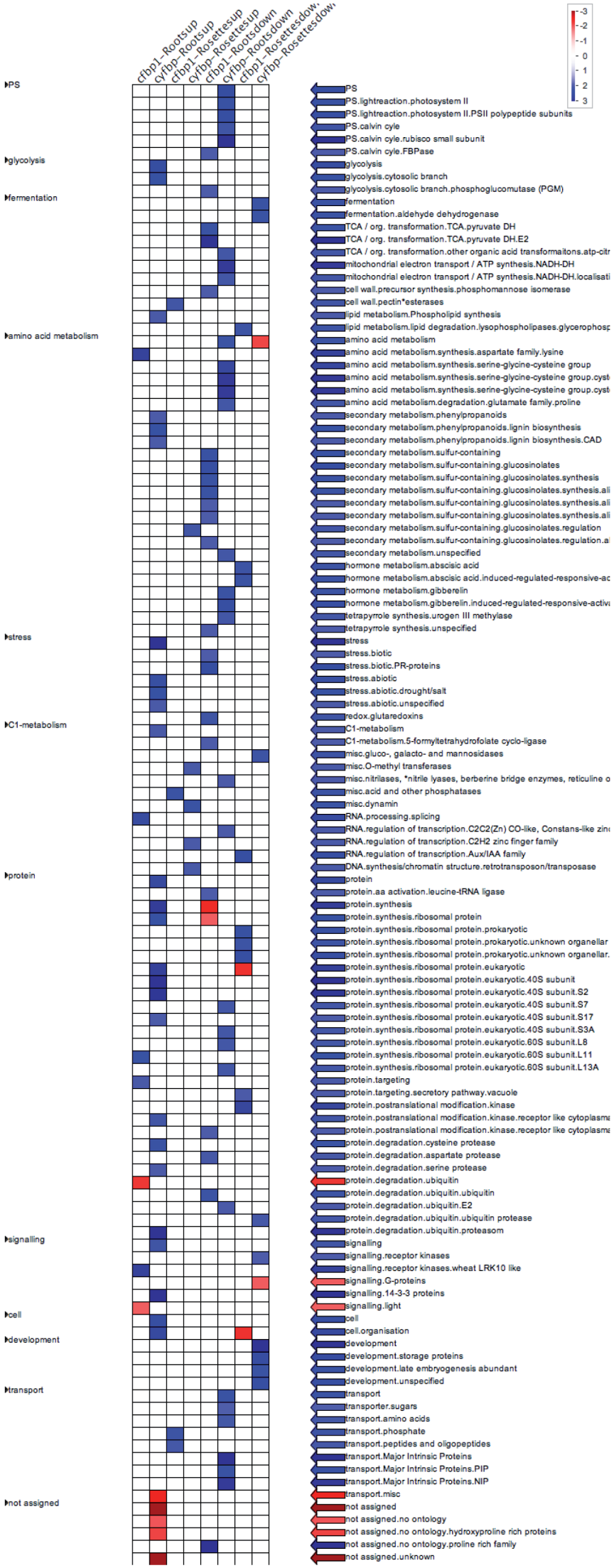
Figure S1


cfbp1-Rootsup
cyfbp-Rootsup
cfbp1-Rosettesup
cyfbp-Rosettesup
cfbp1-Rootsdown
cyfbp-Rootsdown
cfbp1-Rosettesdown
cyfbp-Rosettesdown
-3
-2
-1
0
1
2
3
PS
glycolysis
fermentation
amino acid metabolism
stress
C1-metabolism
protein
signalling
cell
development
transport
not assigned
PS
PS.lightreaction.photosystem II
PS.lightreaction.photosystem II.PSII polypeptide subunits
PS.calvin cyle
PS.calvin cyle.rubisco small subunit
PS.calvin cyle.FBPase
glycolysis
glycolysis.cytosolic branch
glycolysis.cytosolic branch.phosphoglucomutase (PGM)
fermentation
fermentation.aldehyde dehydrogenase
TCA / org. transformation.TCA.pyruvate DH
TCA / org. transformation.TCA.pyruvate DH.E2
TCA / org. transformation.other organic acid transformaitons.atp-citr
mitochondrial electron transport / ATP synthesis.NADH-DH
mitochondrial electron transport / ATP synthesis.NADH-DH.localisati
cell wall.precursor synthesis.phosphomannose isomerase
cell wall.pectin*esterases
lipid metabolism.Phospholipid synthesis
lipid metabolism.lipid degradation.lysophospholipases.glycerophosp
amino acid metabolism
amino acid metabolism.synthesis.aspartate family.lysine
amino acid metabolism.synthesis.serine-glycine-cysteine group
amino acid metabolism.synthesis.serine-glycine-cysteine group.cyst
amino acid metabolism.synthesis.serine-glycine-cysteine group.cyst
amino acid metabolism.degradation.glutamate family.proline
secondary metabolism.phenylpropanoids
secondary metabolism.phenylpropanoids.lignin biosynthesis
secondary metabolism.phenylpropanoids.lignin biosynthesis.CAD
secondary metabolism.sulfur-containing
secondary metabolism.sulfur-containing.glucosinolates
secondary metabolism.sulfur-containing.glucosinolates.synthesis
secondary metabolism.sulfur-containing.glucosinolates.synthesis.ali
secondary metabolism.sulfur-containing.glucosinolates.synthesis.ali
secondary metabolism.sulfur-containing.glucosinolates.synthesis.ali
secondary metabolism.sulfur-containing.glucosinolates.regulation
secondary metabolism.sulfur-containing.glucosinolates.regulation.a
secondary metabolism.unspecified
hormone metabolism.abscisic acid
hormone metabolism.abscisic acid.induced-regulated-responsive-ac
hormone metabolism.gibberelin
hormone metabolism.gibberelin.induced-regulated-responsive-activ
tetrapyrrole synthesis.urogen III methylase
tetrapyrrole synthesis.unspecified
stress
stress.biotic
stress.biotic.PR-proteins
stress.abiotic
stress.abiotic.drought/salt
stress.abiotic.unspecified
redox.glutaredoxins
C1-metabolism
C1-metabolism.5-formyltetrahydrofolate cyclo-ligase
misc.gluco-, galacto- and mannosidases
misc.O-methyl transferases
misc.nitrilases, *nitrile lyases, berberine bridge enzymes, reticuline o
misc.acid and other phosphatases
misc.dynamin
RNA.processing.splicing
RNA.regulation of transcription.C2C2(Zn) CO-like, Constans-like zin
RNA.regulation of transcription.C2H2 zinc finger family
RNA.regulation of transcription.Aux/IAA family
DNA.synthesis/chromatin structure.retrotransposon/transposase
protein
protein.aa activation.leucine-tRNA ligase
protein.synthesis
protein.synthesis.ribosomal protein
protein.synthesis.ribosomal protein.prokaryotic
protein.synthesis.ribosomal protein.prokaryotic.unknown organellar
protein.synthesis.ribosomal protein.prokaryotic.unknown organellar.
protein.synthesis.ribosomal protein.eukaryotic
protein.synthesis.ribosomal protein.eukaryotic.40S subunit
protein.synthesis.ribosomal protein.eukaryotic.40S subunit.S2
protein.synthesis.ribosomal protein.eukaryotic.40S subunit.S7
protein.synthesis.ribosomal protein.eukaryotic.40S subunit.S17
protein.synthesis.ribosomal protein.eukaryotic.40S subunit.S3A
protein.synthesis.ribosomal protein.eukaryotic.60S subunit.L8
protein.synthesis.ribosomal protein.eukaryotic.60S subunit.L11
protein.synthesis.ribosomal protein.eukaryotic.60S subunit.L13A
protein.targeting
protein.targeting.secretory pathway.vacuole
protein.postranslational modification.kinase
protein.postranslational modification.kinase.receptor like cytoplasma
protein.postranslational modification.kinase.receptor like cytoplasma
protein.degradation.cysteine protease
protein.degradation.aspartate protease
protein.degradation.serine protease
protein.degradation.ubiquitin
protein.degradation.ubiquitin.ubiquitin
protein.degradation.ubiquitin.E2
protein.degradation.ubiquitin.ubiquitin protease
protein.degradation.ubiquitin.proteasom
signalling
signalling.receptor kinases
signalling.receptor kinases.wheat LRK10 like
signalling.G-proteins
signalling.14-3-3 proteins
signalling.light
cell
cell.organisation
development
development.storage proteins
development.late embryogenesis abundant
development.unspecified
transport
transporter.sugars
transport.amino acids
transport.phosphate
transport.peptides and oligopeptides
transport.Major Intrinsic Proteins
transport.Major Intrinsic Proteins.PIP
transport.Major Intrinsic Proteins.NIP
transport.misc
not assigned
not assigned.no ontology
not assigned.no ontology.hydroxyproline rich proteins
not assigned.no ontology.proline rich family
not assigned.unknown