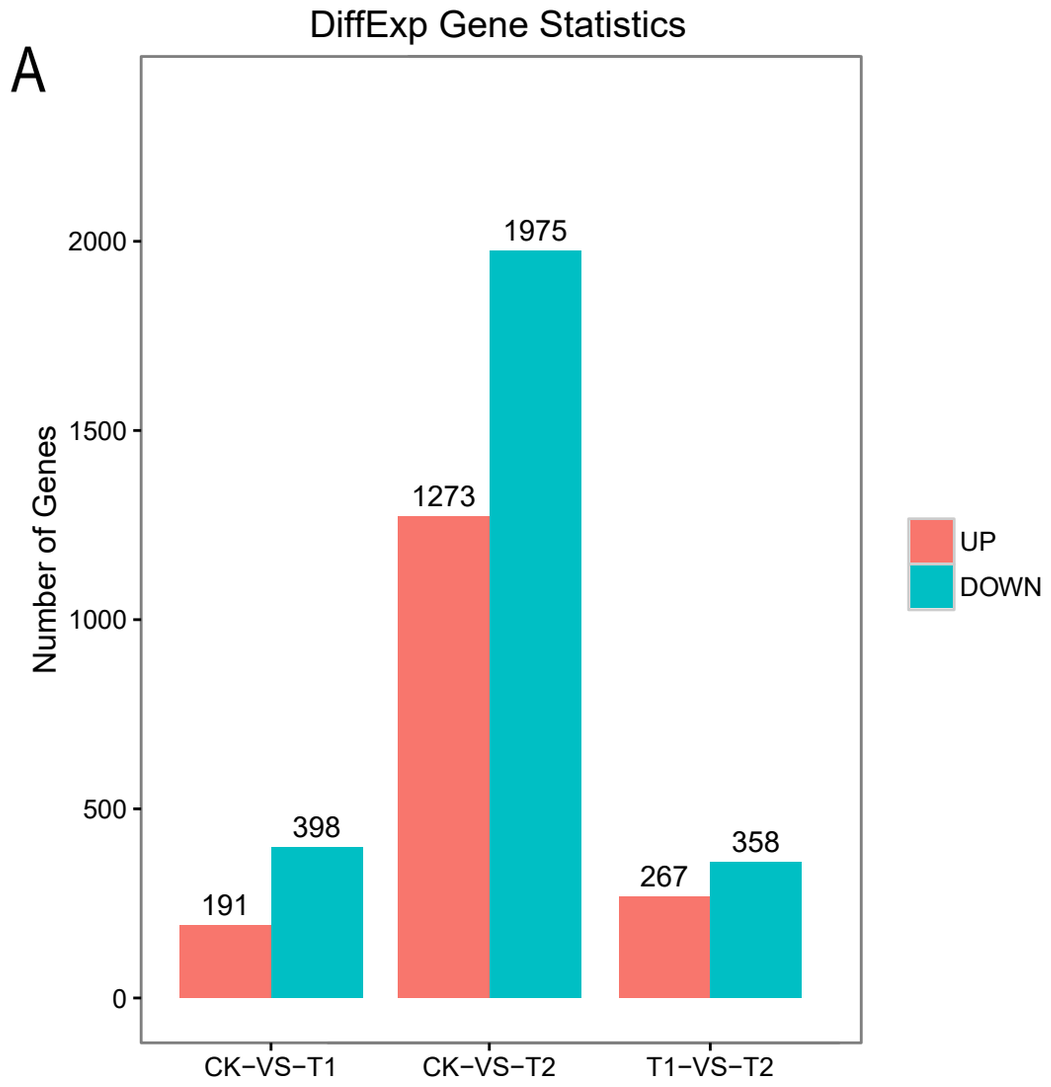
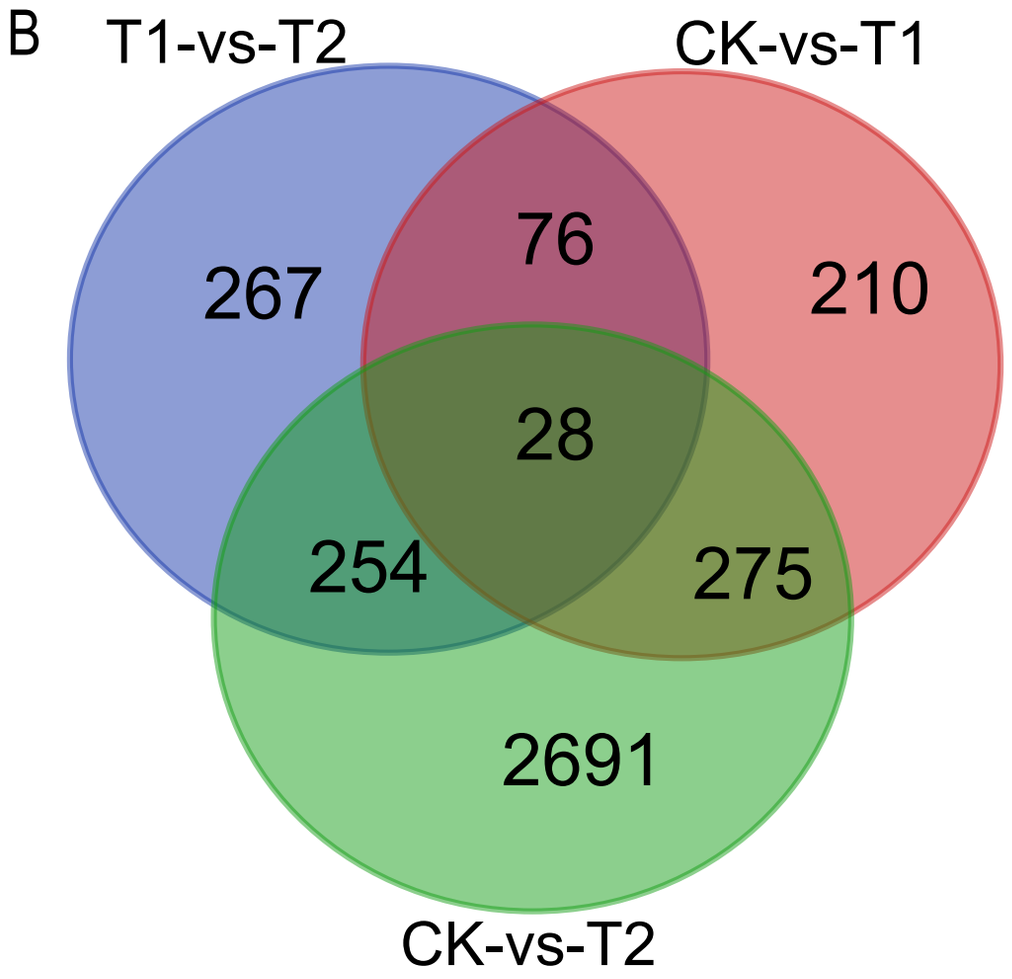
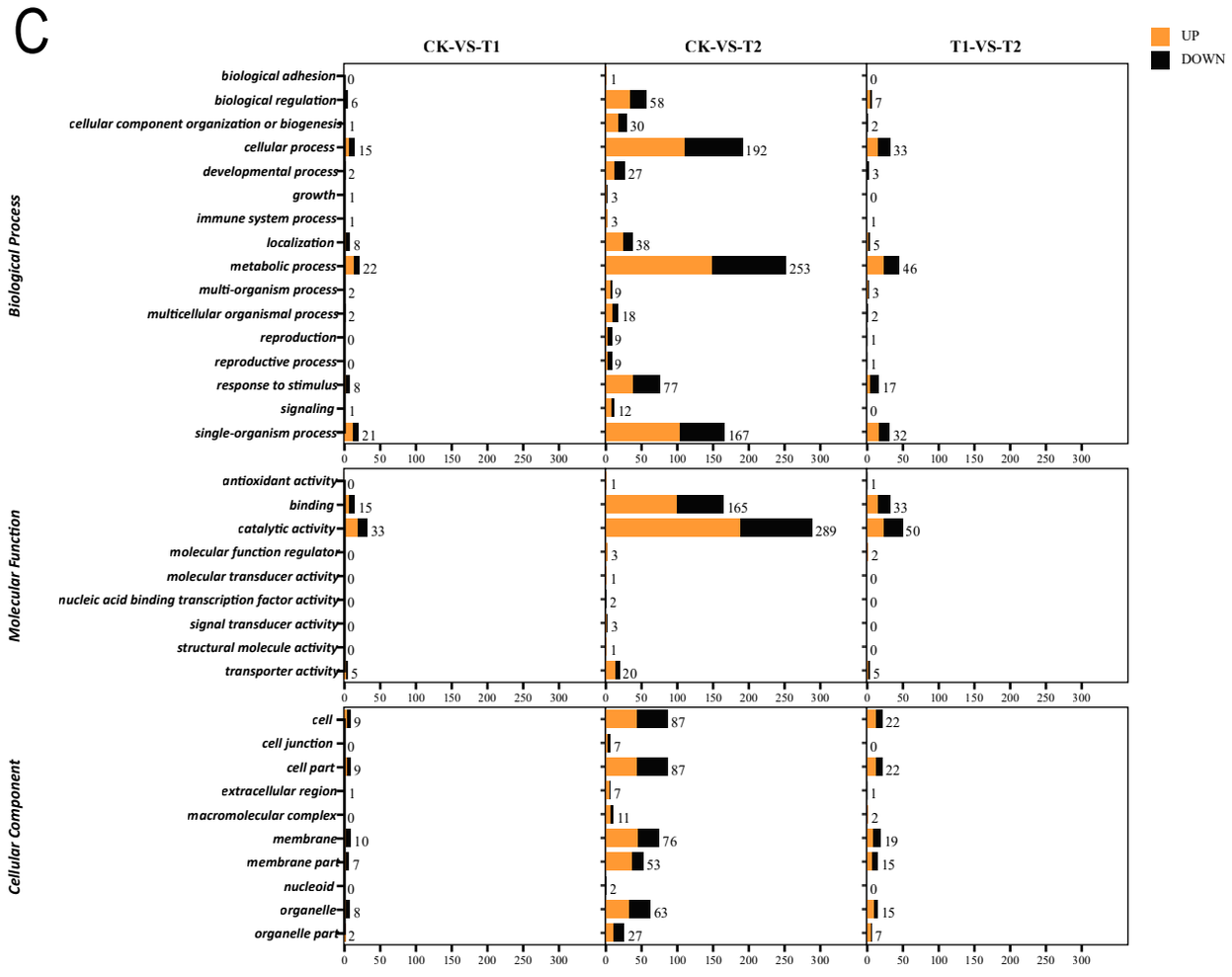
A


DiffExp Gene Statistics
Number of Genes
2000
1500
1000
500
0
191
398
1273
1975
267
358
CK−VS−T1
CK−VS−T2
T1−VS−T2
UP
DOWN

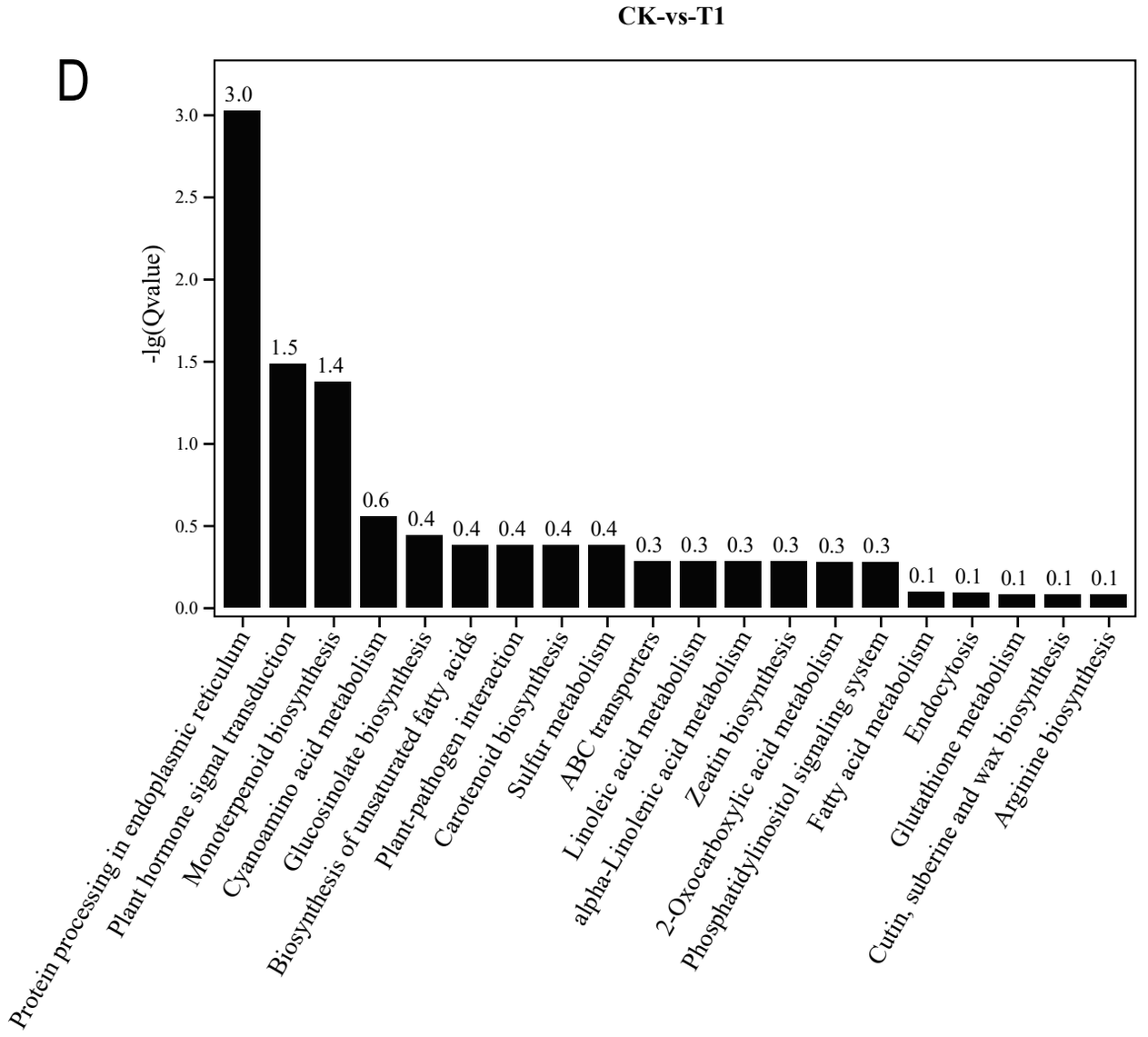
B


T1-vs-T2
CK-vs-T1
CK-vs-T2
267
76
210
28
254
275
2691

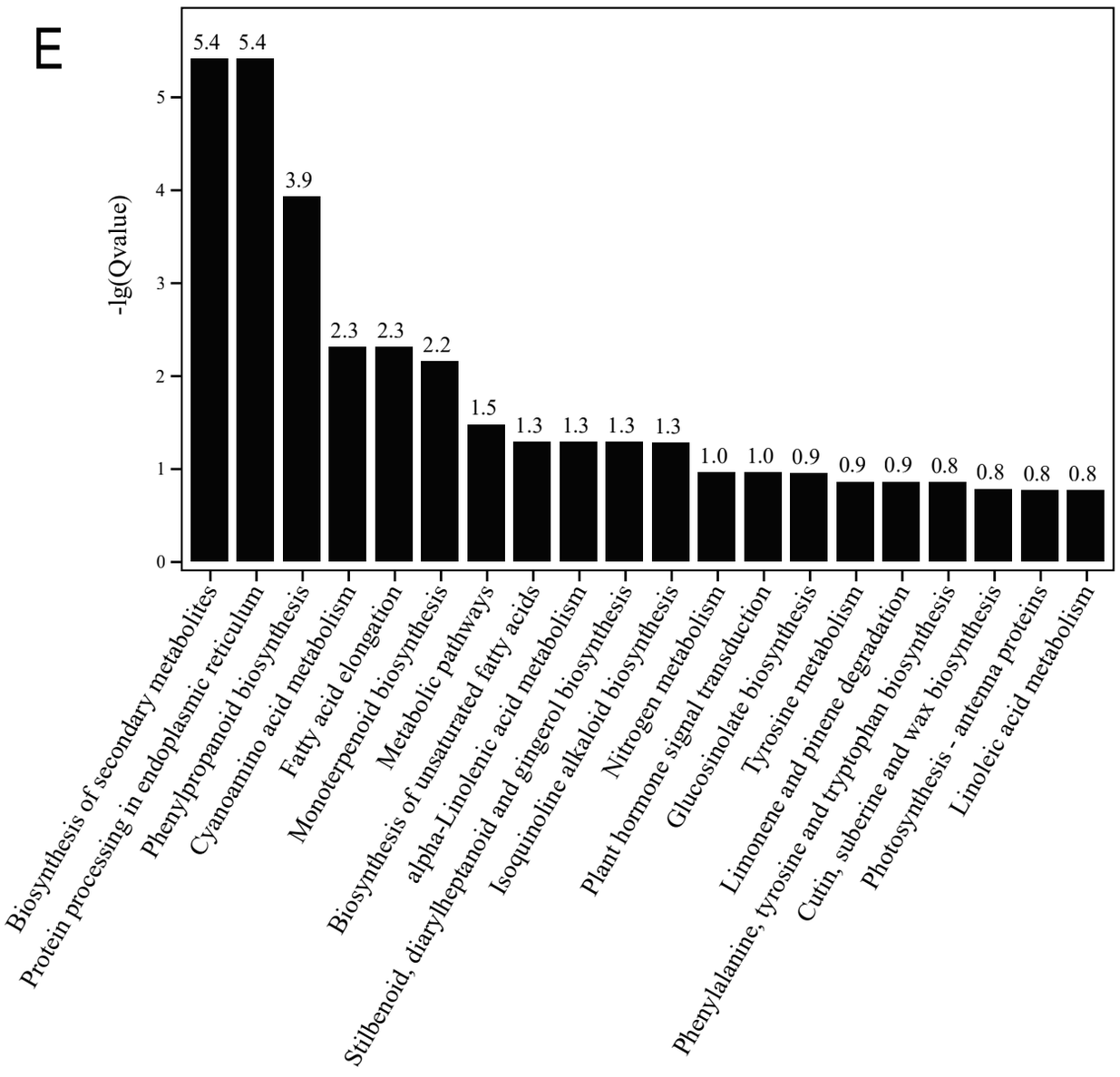
C


CK-VS-T1
CK-VS-T2
T1-VS-T2
UP
DOWN
Biological Process
biological adhesion
biological regulation
cellular component organization or biogenesis
cellular process
developmental process
growth
immune system process
localization
metabolic process
multi-organism process
multicellular organismal process
reproduction
reproductive process
response to stimulus
signaling
single-organism process
Molecular Function
antioxidant activity
binding
catalytic activity
molecular function regulator
molecular transducer activity
nucleic acid binding transcription factor activity
signal transducer activity
structural molecule activity
transporter activity
Cellular Component
cell
cell junction
cell part
extracellular region
macromolecular complex
membrane
membrane part
nucleoid
organelle
organelle part

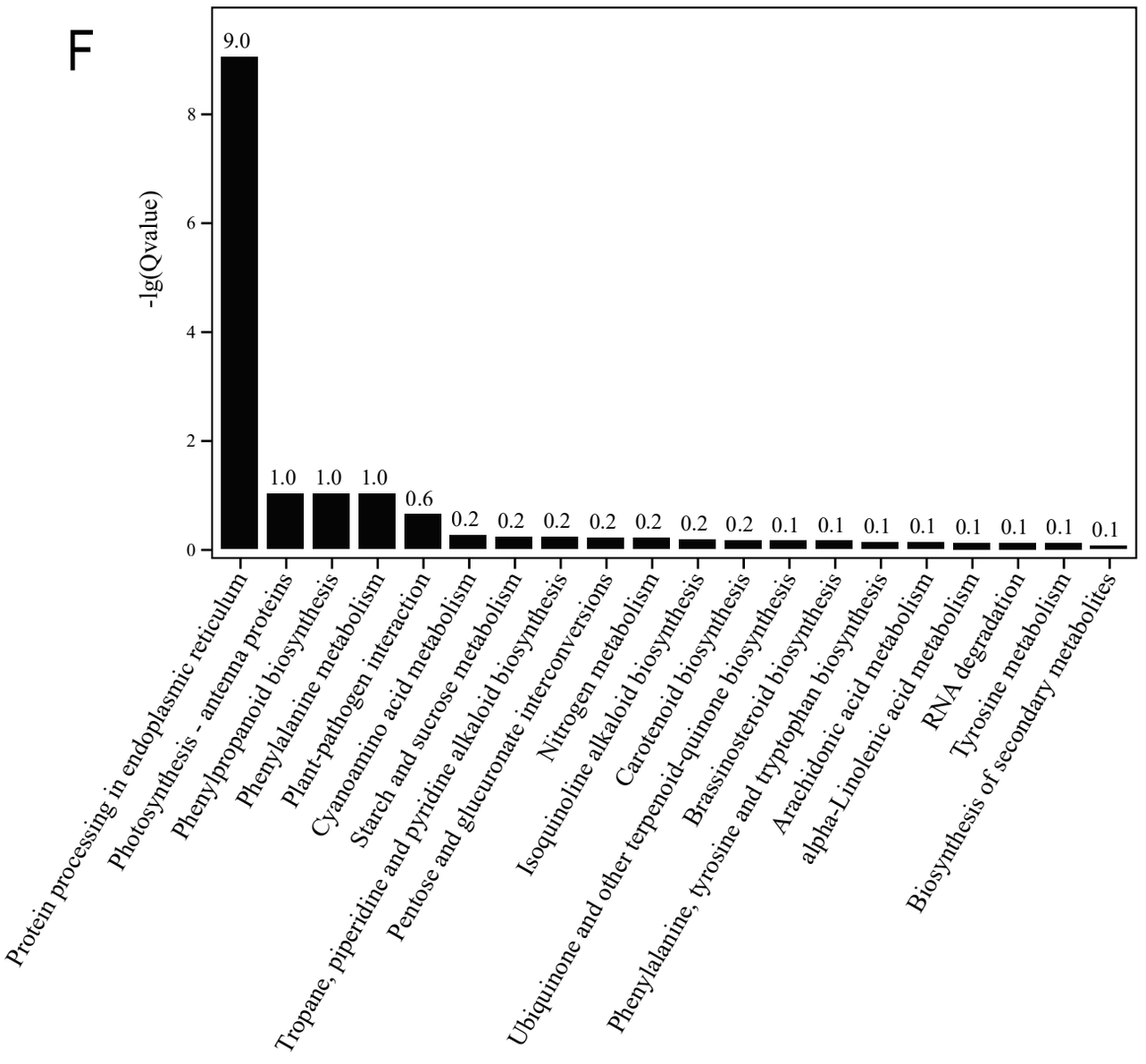
D


CK-vs-T1
-lg(Qvalue)
3.0
1.5
1.4
0.6
0.4
0.4
0.4
0.4
0.4
0.3
0.3
0.3
0.3
0.3
0.3
0.1
0.1
0.1
0.1
0.1
Protein processing in endoplasmic reticulum
Plant hormone signal transduction
Monoterpenoid biosynthesis
Cyanoamino acid metabolism
Glucosinolate biosynthesis
Biosynthesis of unsaturated fatty acids
Plant-pathogen interaction
Carotenoid biosynthesis
Sulfur metabolism
ABC transporters
Linoleic acid metabolism
alpha-Linolenic acid metabolism
Zeatin biosynthesis
2-Oxocarboxylic acid metabolism
Phosphatidylinositol signaling system
Fatty acid metabolism
Endocytosis
Glutathione metabolism
Cutin, suberine and wax biosynthesis
Arginine biosynthesis

E


CK-vs-T2
-lg(Qvalue)
5.4
5.4
3.9
2.3
2.3
2.2
1.5
1.3
1.3
1.3
1.3
1.0
1.0
0.9
0.9
0.9
0.8
0.8
0.8
0.8
Biosynthesis of secondary metabolites
Protein processing in endoplasmic reticulum
Phenylpropanoid biosynthesis
Cyanoamino acid metabolism
Fatty acid elongation
Monoterpenoid biosynthesis
Metabolic pathways
Biosynthesis of unsaturated fatty acids
alpha-Linolenic acid metabolism
Stilbenoid, diarylheptanoid and gingerol biosynthesis
Isoquinoline alkaloid biosynthesis
Nitrogen metabolism
Plant hormone signal transduction
Glucosinolate biosynthesis
Tyrosine metabolism
Limonene and pinene degradation
Phenylalanine, tyrosine and tryptophan biosynthesis
Cutin, suberine and wax biosynthesis
Photosynthesis - antenna proteins
Linoleic acid metabolism

F


T1-vs-T2
-lg(Qvalue)
9.0
1.0
1.0
1.0
0.6
0.2
0.2
0.2
0.2
0.2
0.2
0.2
0.1
0.1
0.1
0.1
0.1
0.1
0.1
0.1
Protein processing in endoplasmic reticulum
Photosynthesis - antenna proteins
Phenylpropanoid biosynthesis
Phenylalanine metabolism
Plant-pathogen interaction
Cyanoamino acid metabolism
Starch and sucrose metabolism
Tropane, piperidine and pyridine alkaloid biosynthesis
Pentose and glucuronate interconversions
Nitrogen metabolism
Isoquinoline alkaloid biosynthesis
Carotenoid biosynthesis
Ubiquinone and other terpenoid-quinone biosynthesis
Brassinosteroid biosynthesis
Phenylalanine, tyrosine and tryptophan biosynthesis
Arachidonic acid metabolism
alpha-Linolenic acid metabolism
RNA degradation
Tyrosine metabolism
Biosynthesis of secondary metabolites