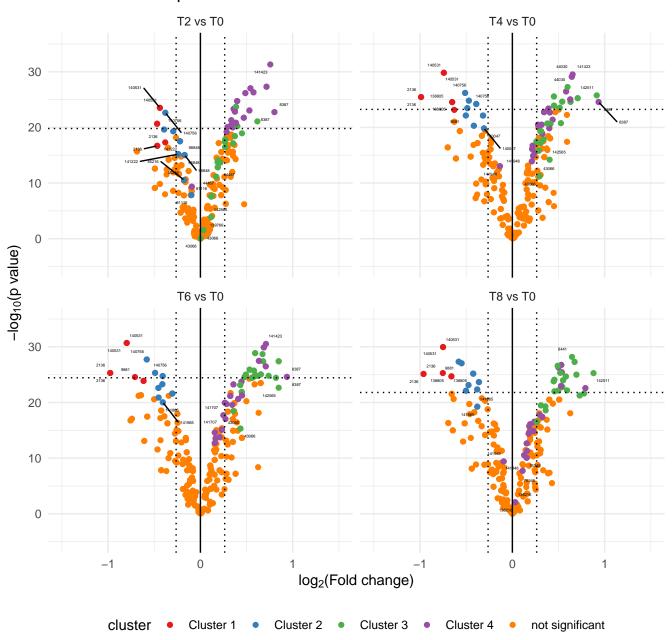
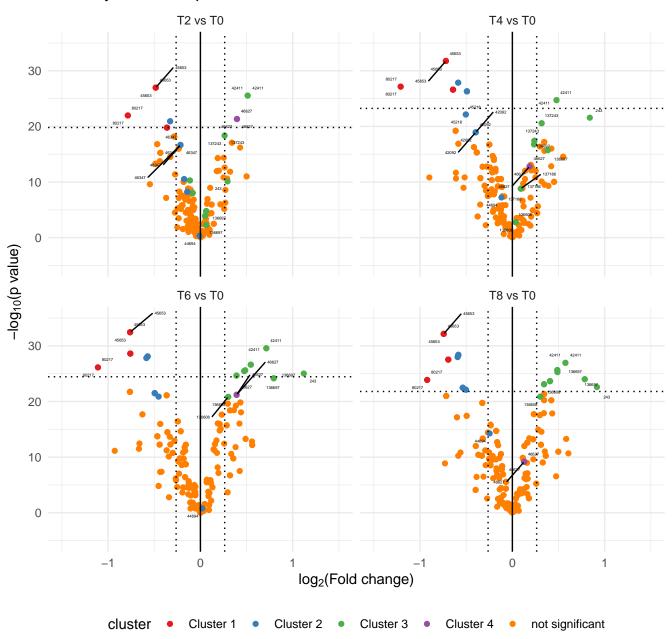
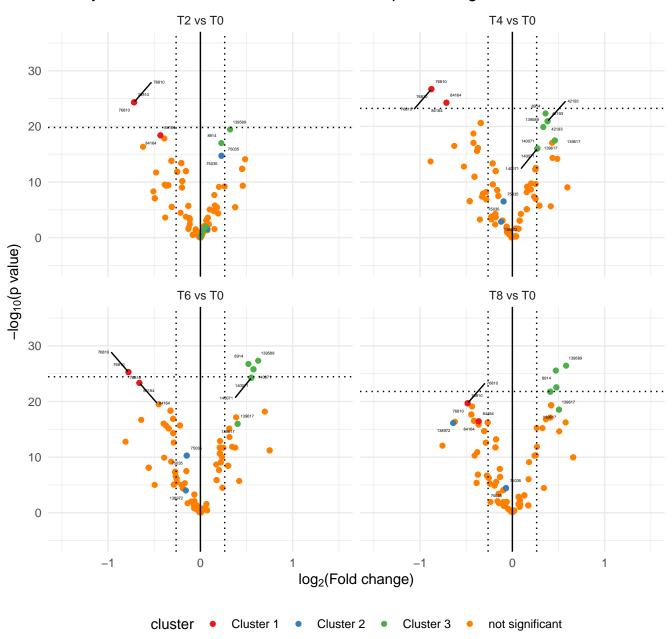
Amino acid transport and metabolism



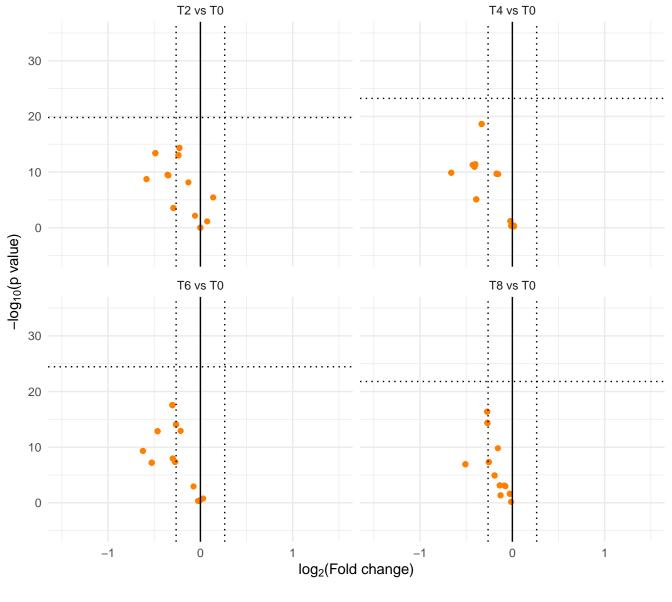
Carbohydrate transport and metabolism



Cell cycle control, cell division, chromosome partitioning



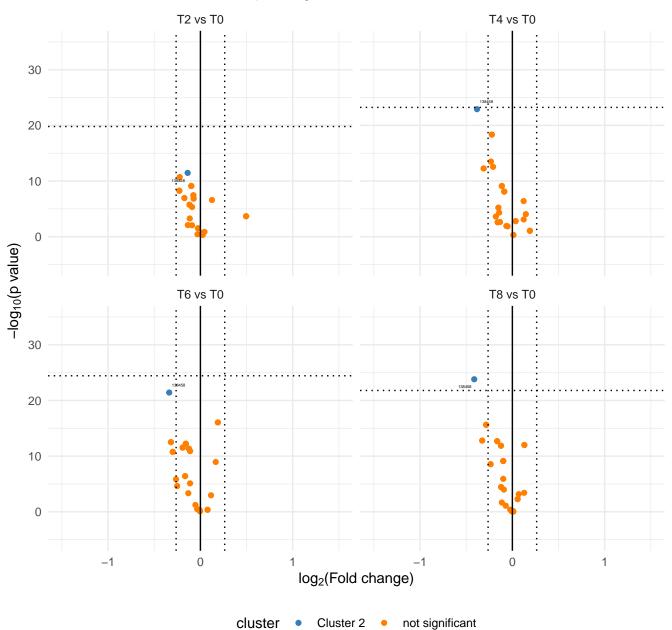
Cell motility



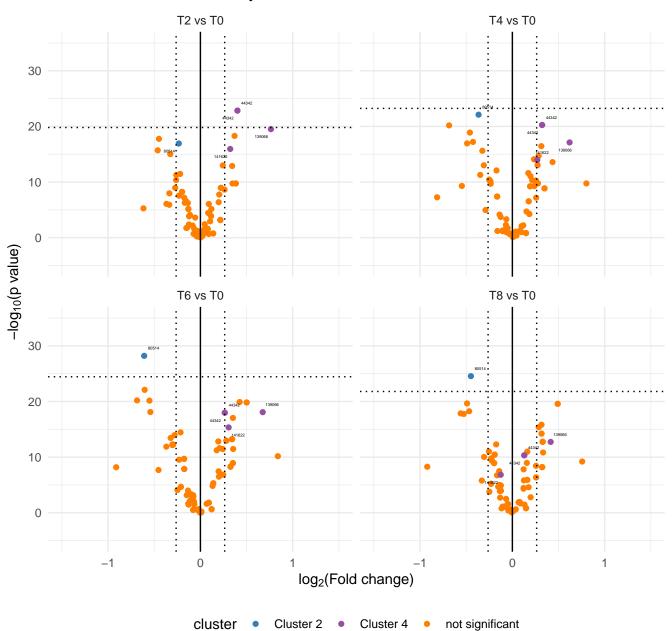
cluster

not significant

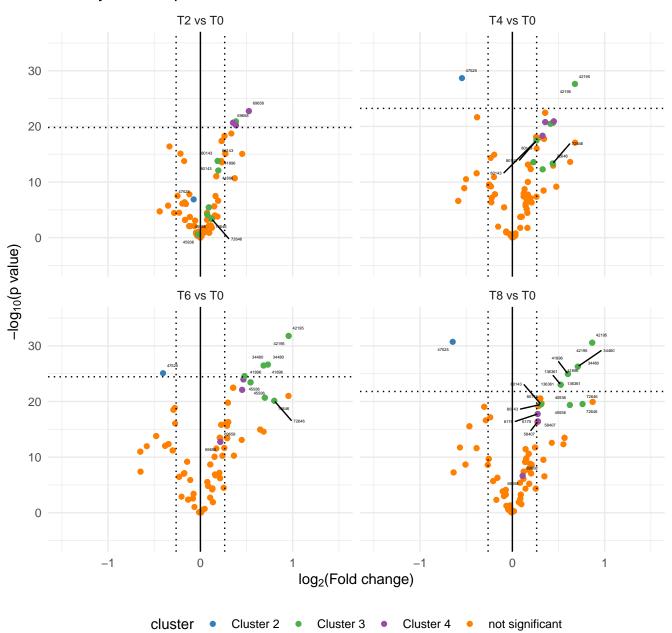
Cell wall/membrane/envelope biogenesis



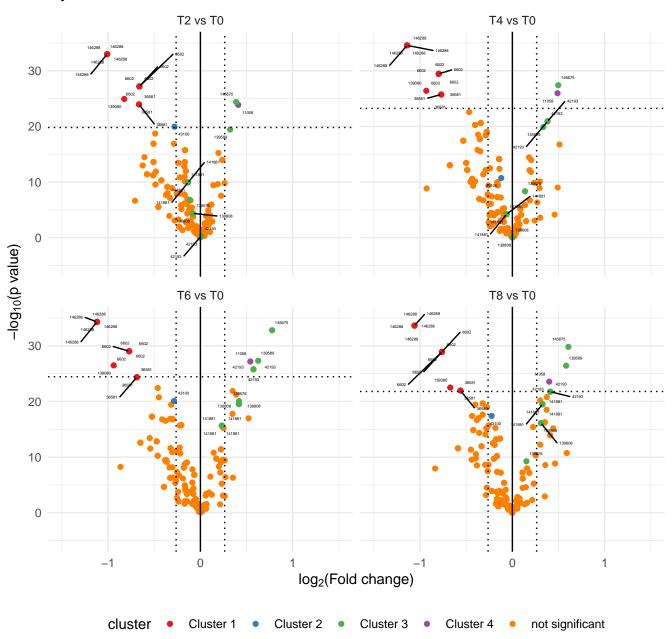
Chromatin structure and dynamics



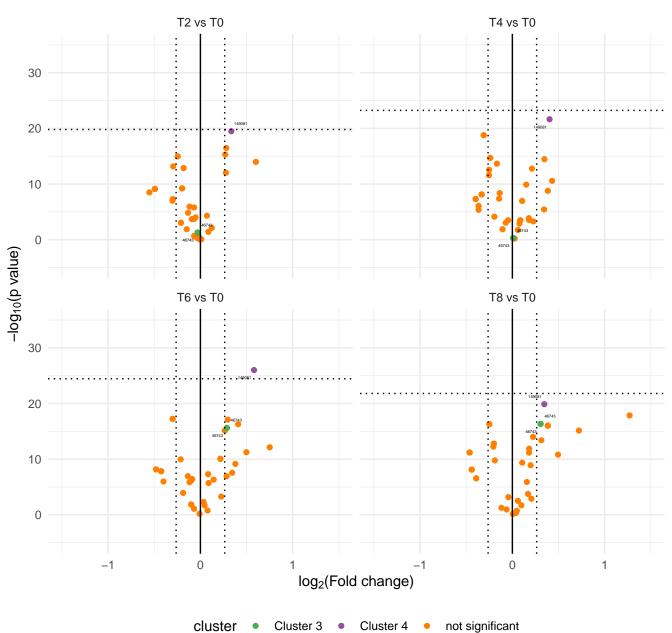
Coenzyme transport and metabolism



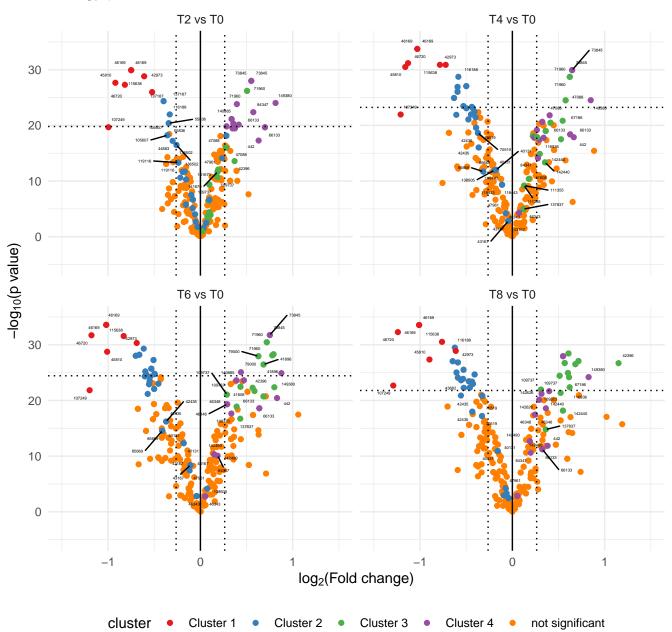
Cytoskeleton



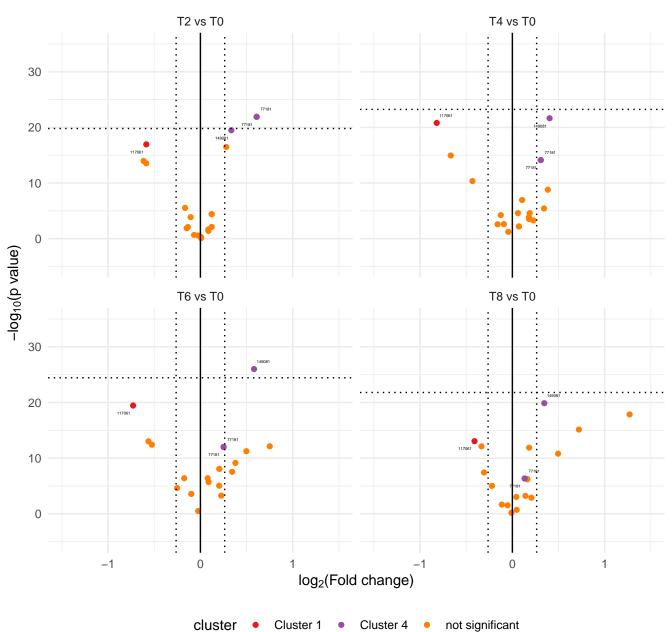
Defense mechanisms



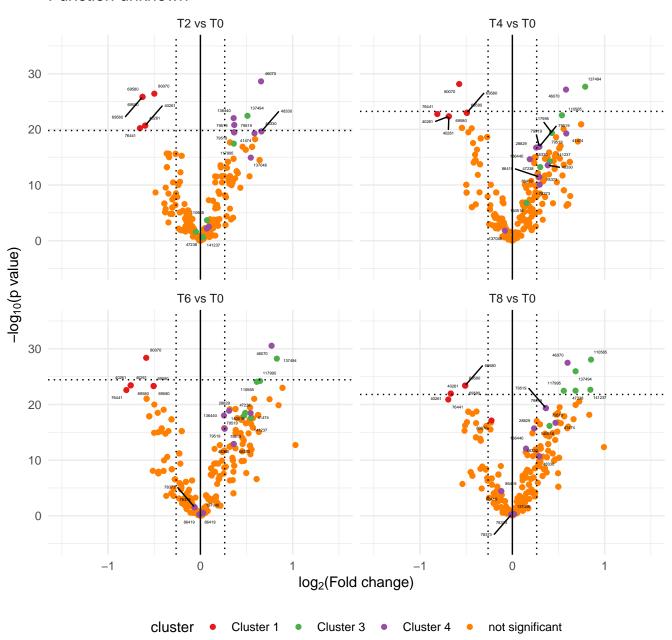
Energy production and conversion



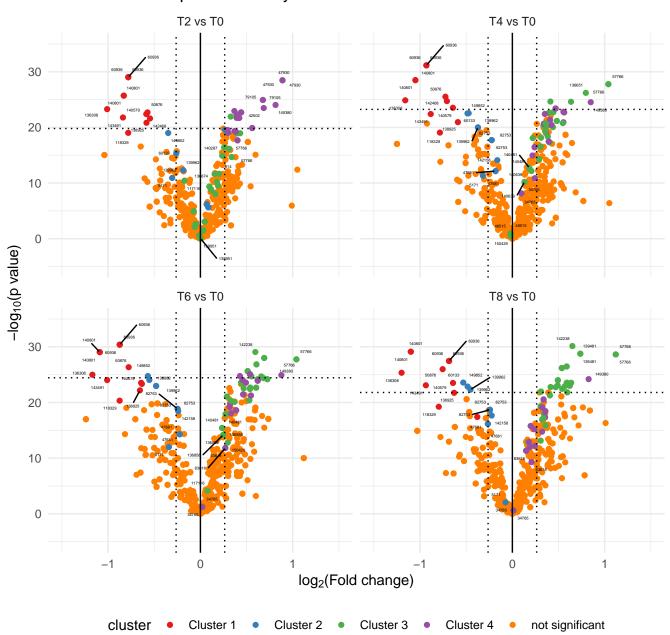
Extracellular structures



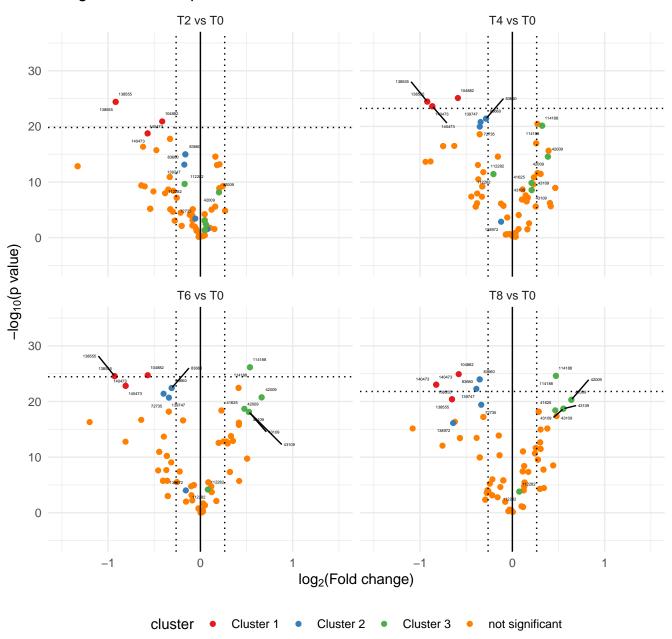
Function unknown



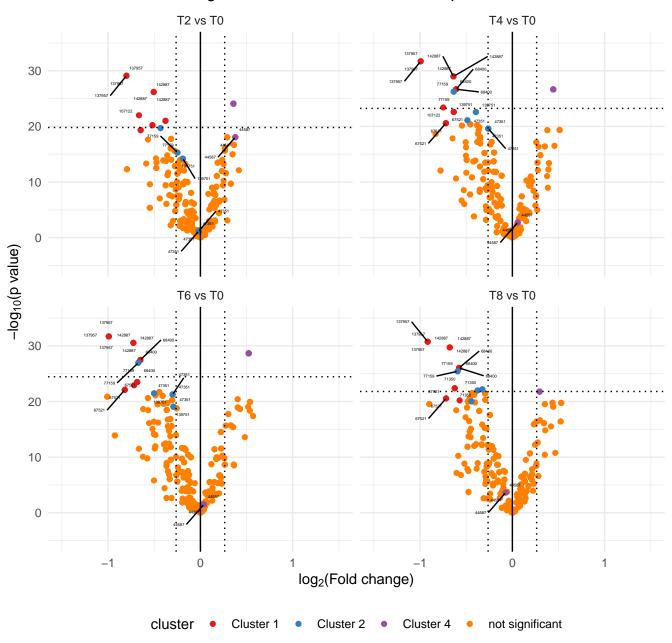
General function prediction only



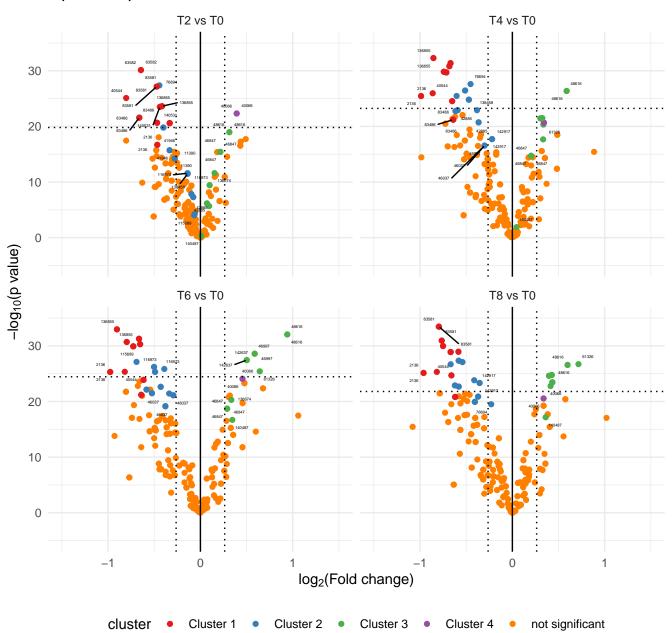
Inorganic ion transport and metabolism



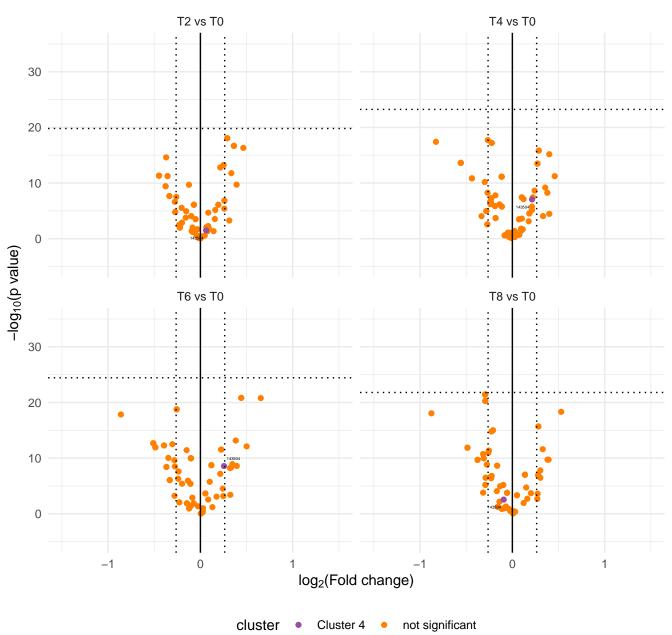
Intracellular trafficking, secretion, and vesicular transport



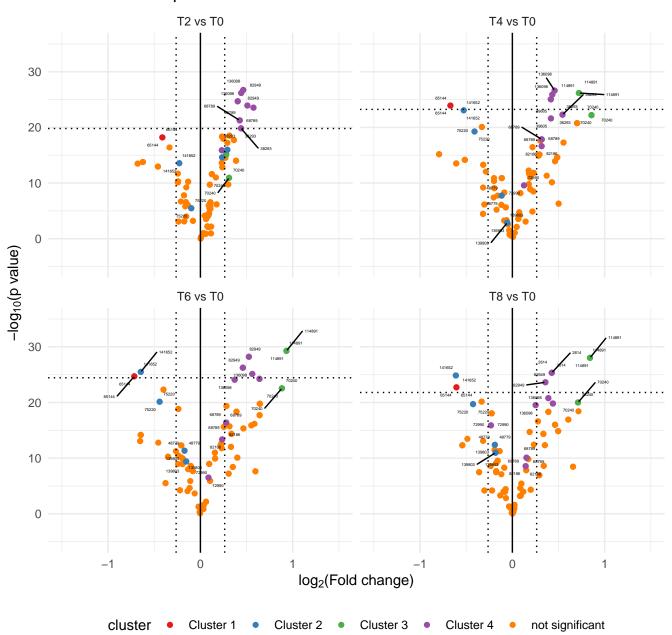
Lipid transport and metabolism



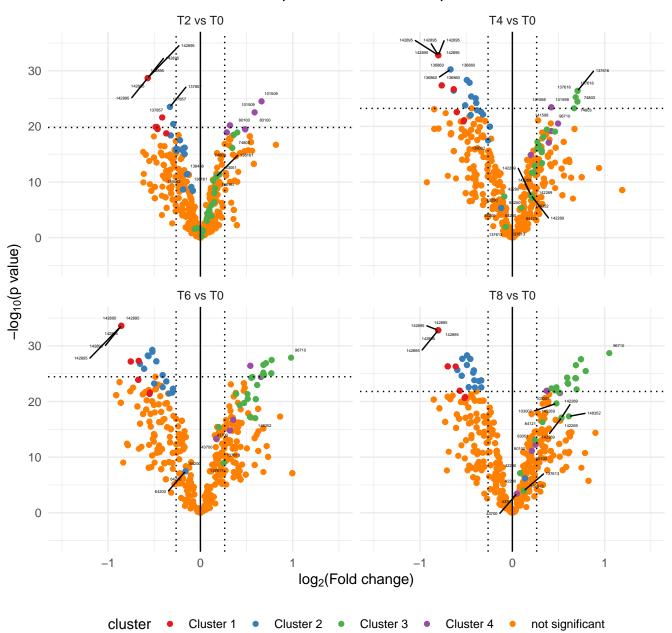
Nuclear structure



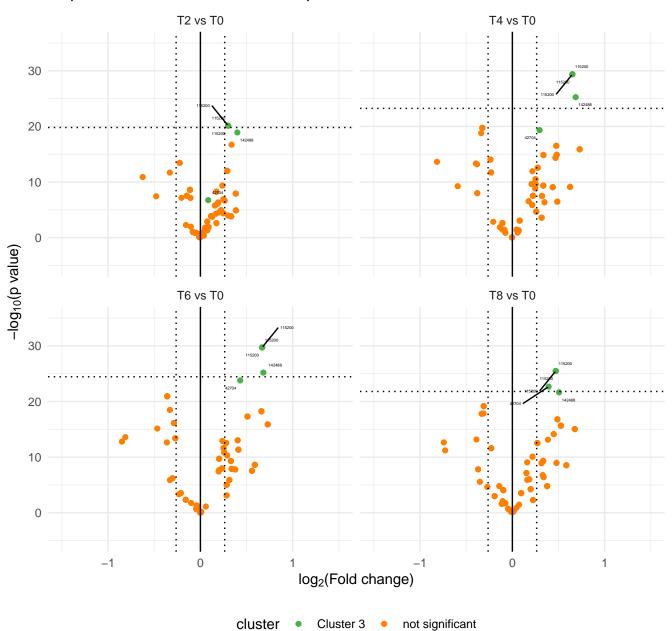
Nucleotide transport and metabolism



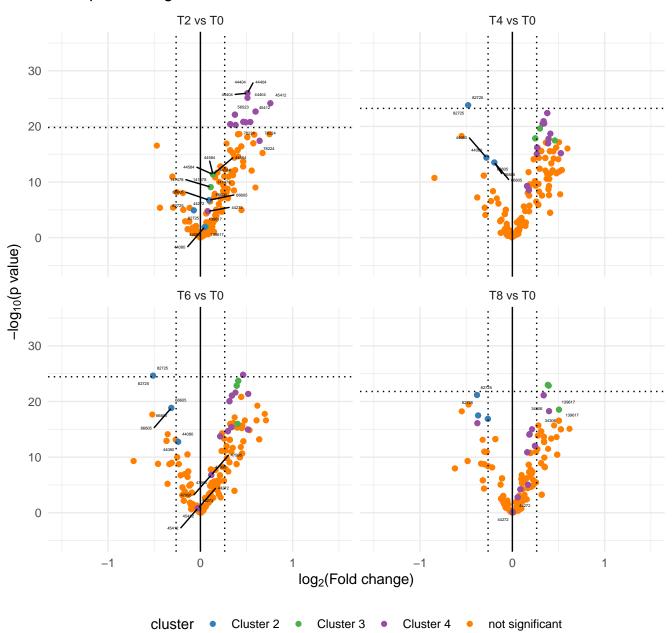
Posttranslational modification, protein turnover, chaperones



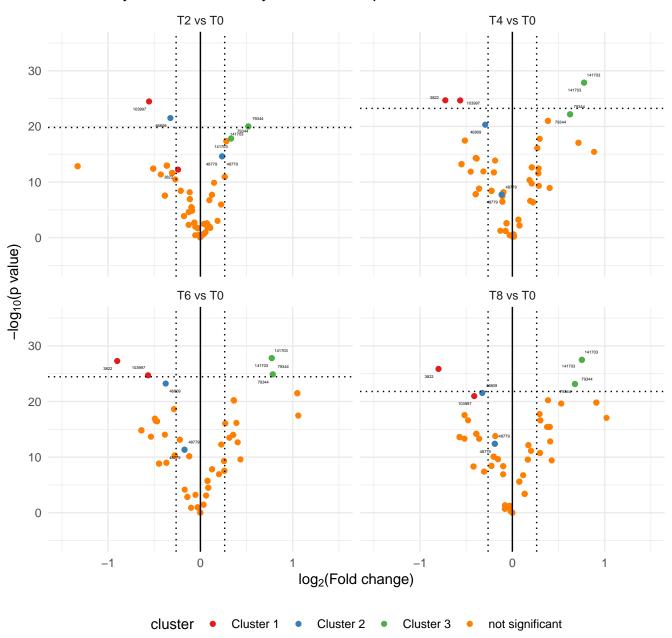
Replication, recombination and repair



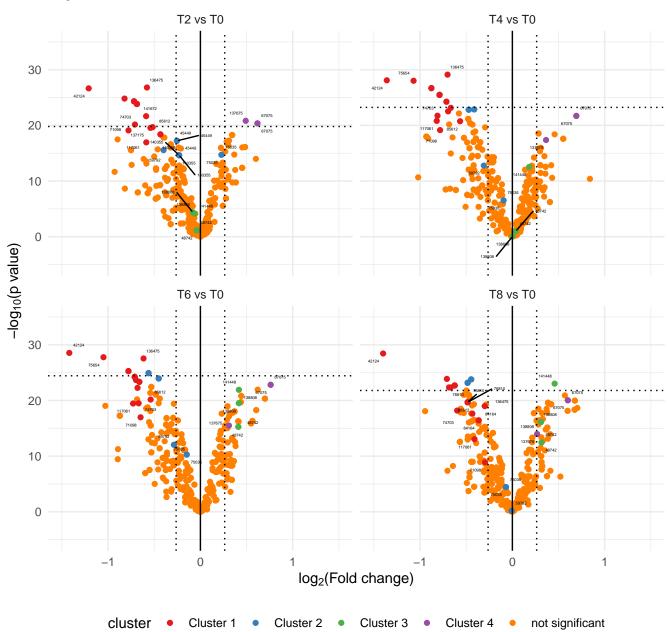
RNA processing and modification



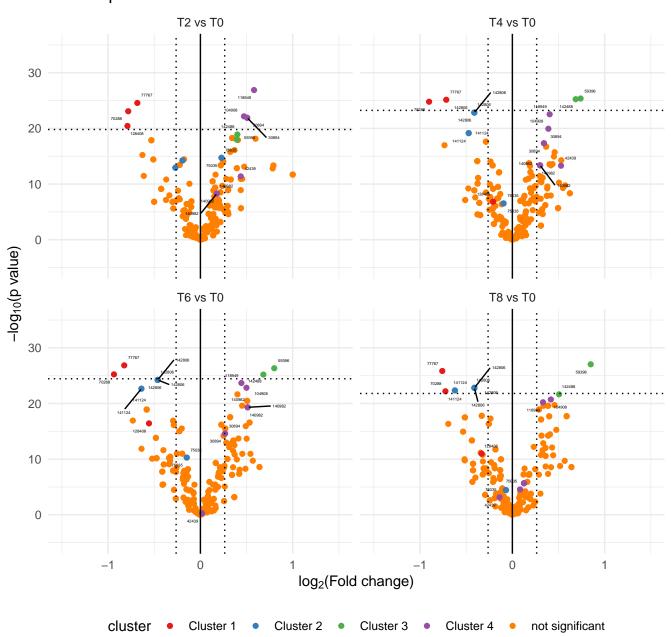
Secondary metabolites biosynthesis, transport and catabolism



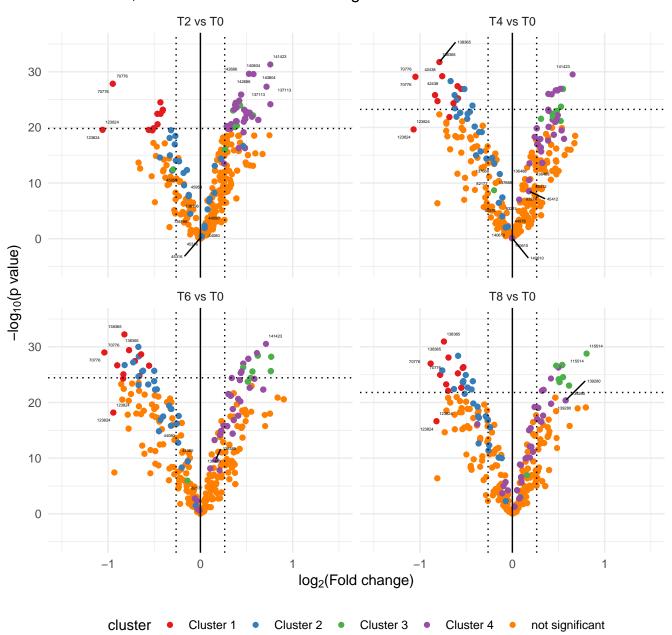
Signal transduction mechanisms



Transcription



Translation, ribosomal structure and biogenesis



Unknown kogClass

