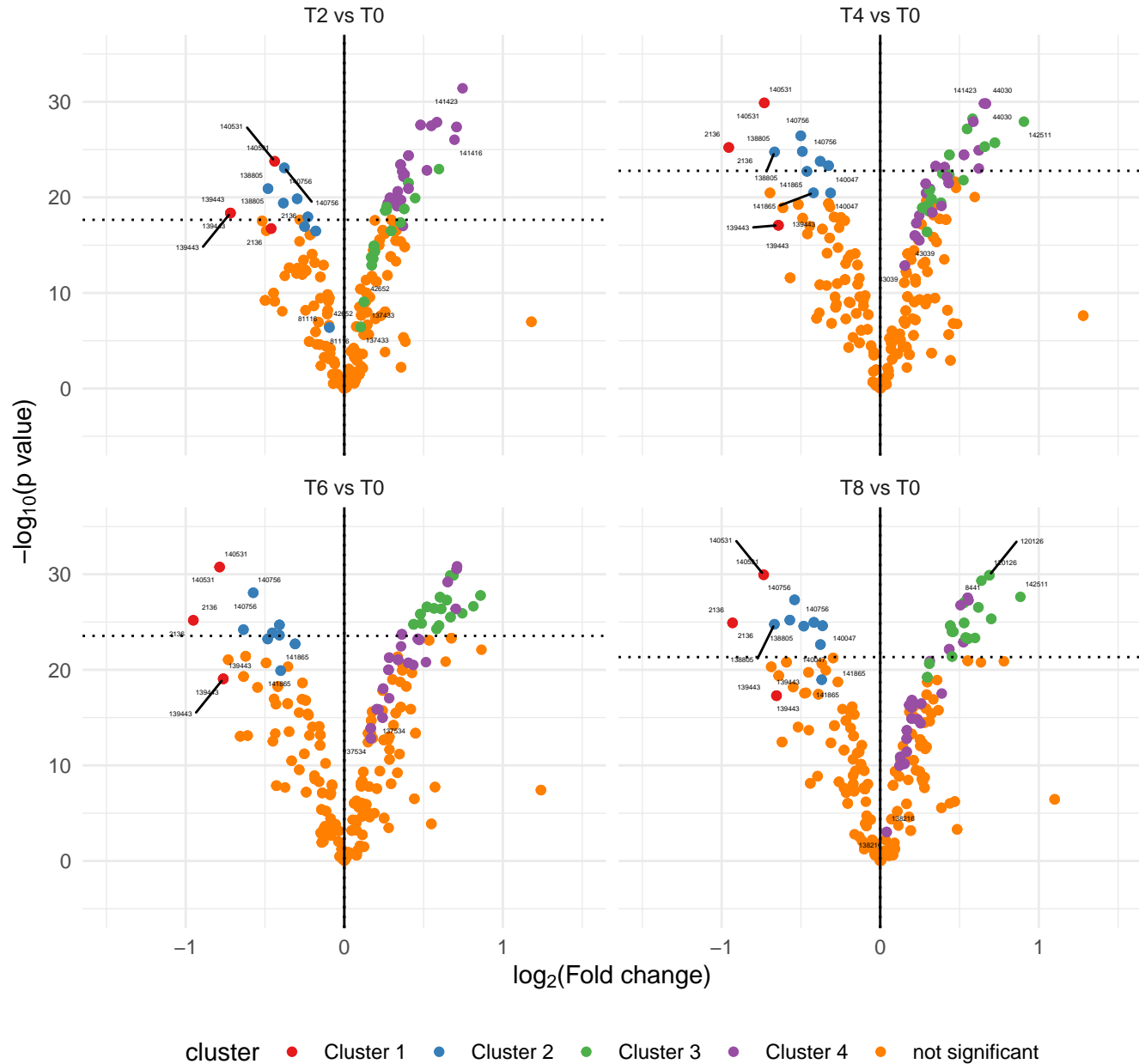
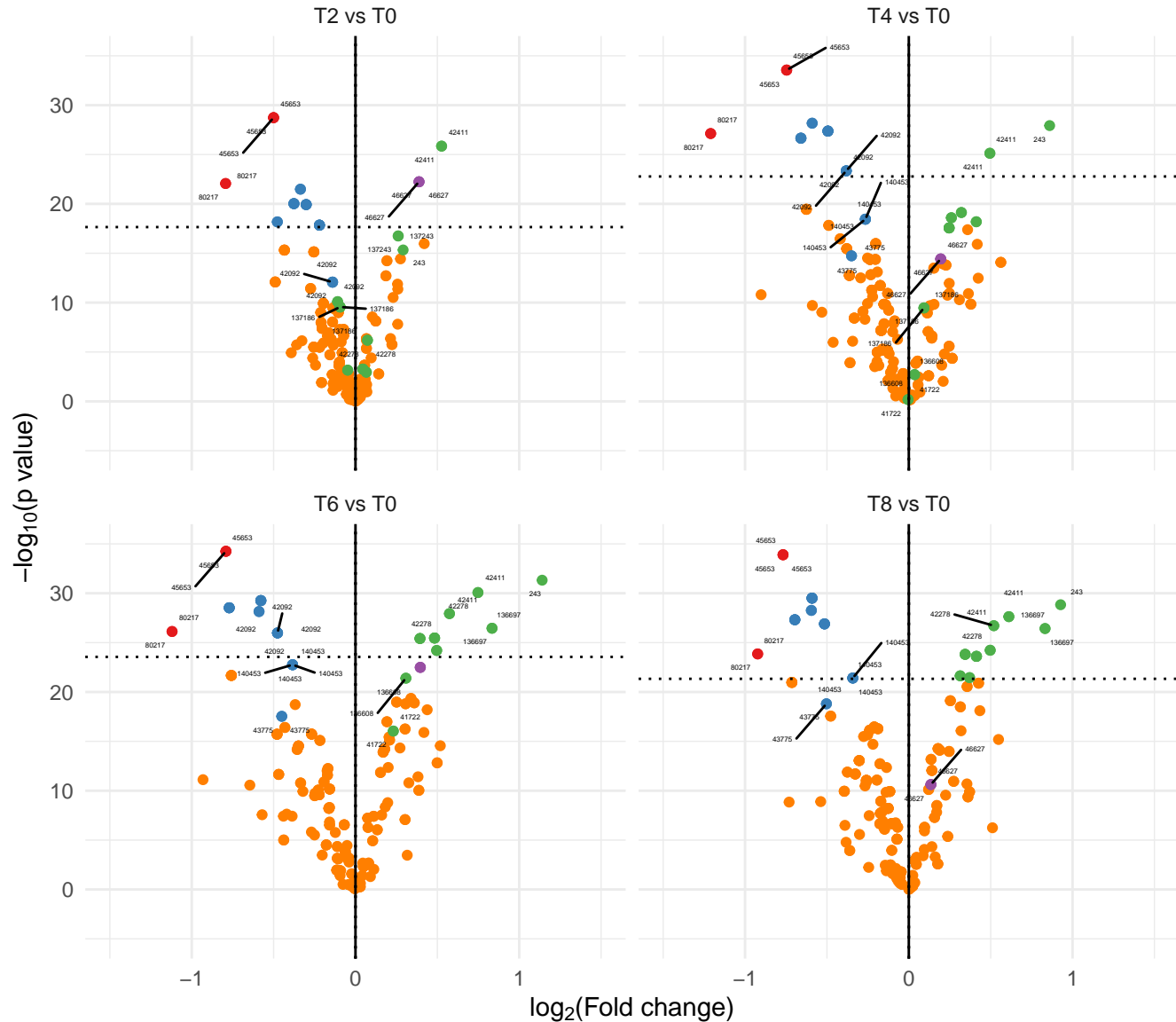


Amino acid transport and metabolism

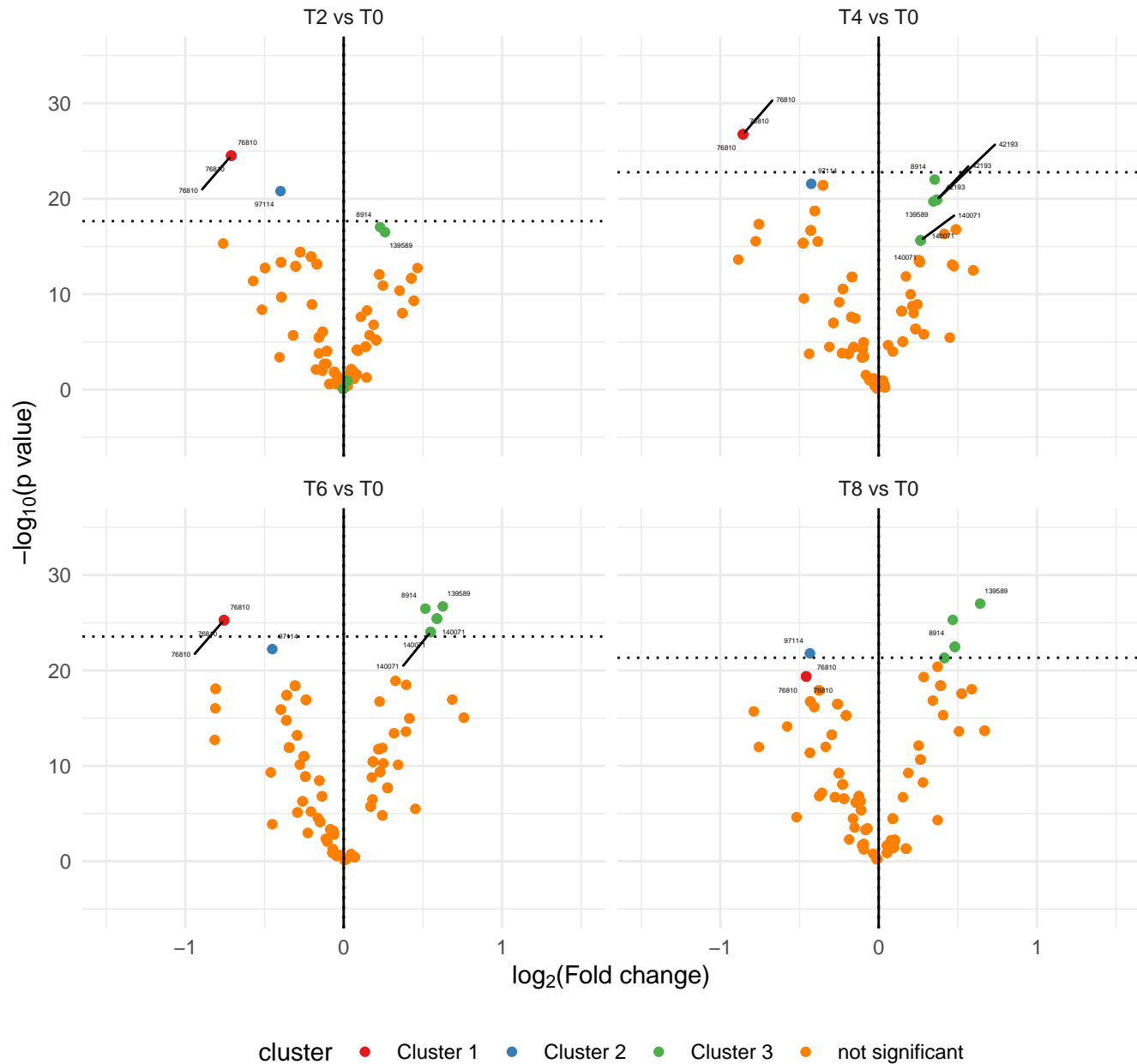


Carbohydrate transport and metabolism

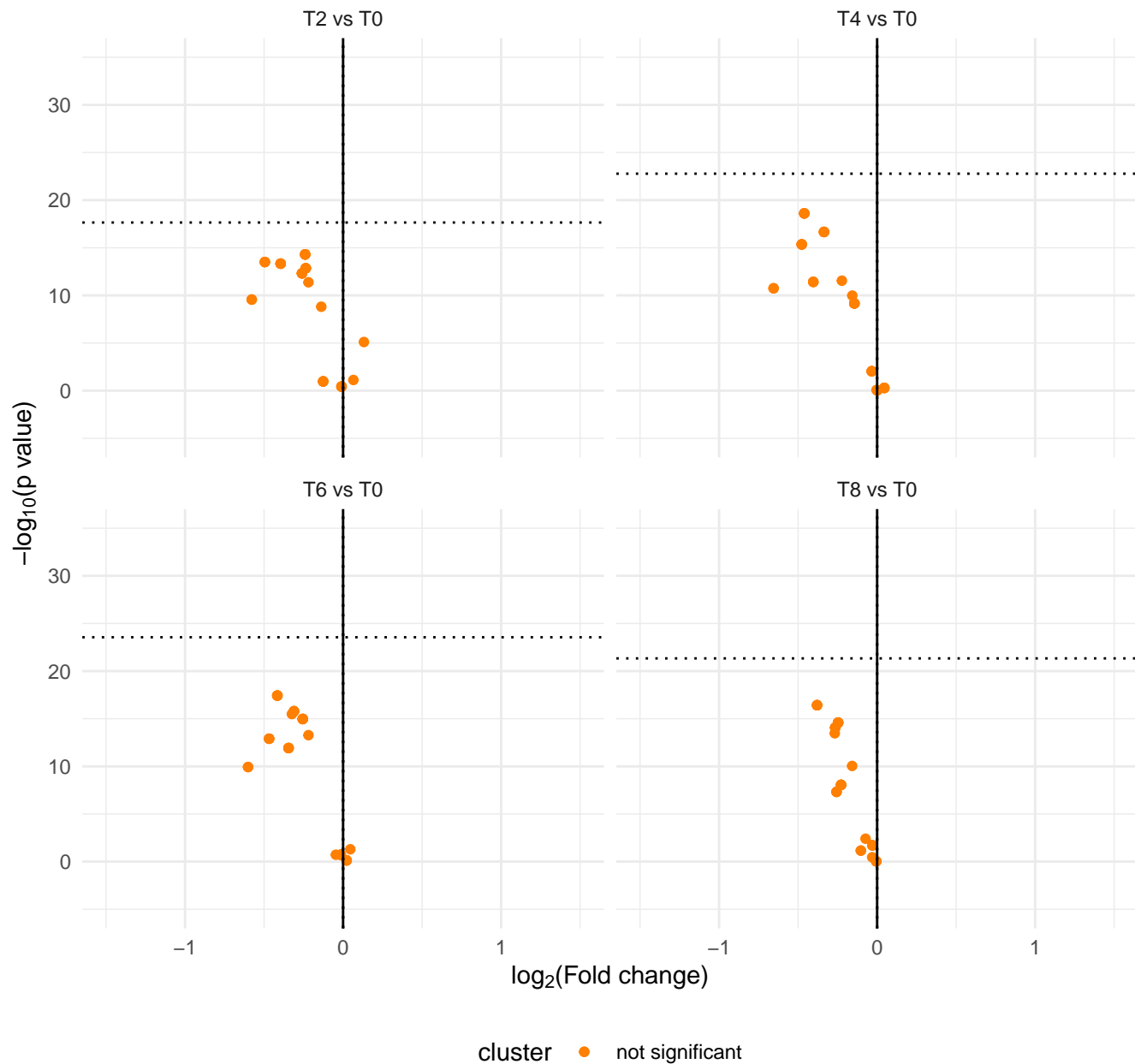


cluster ● Cluster 1 ● Cluster 2 ● Cluster 3 ● Cluster 4 ● not significant

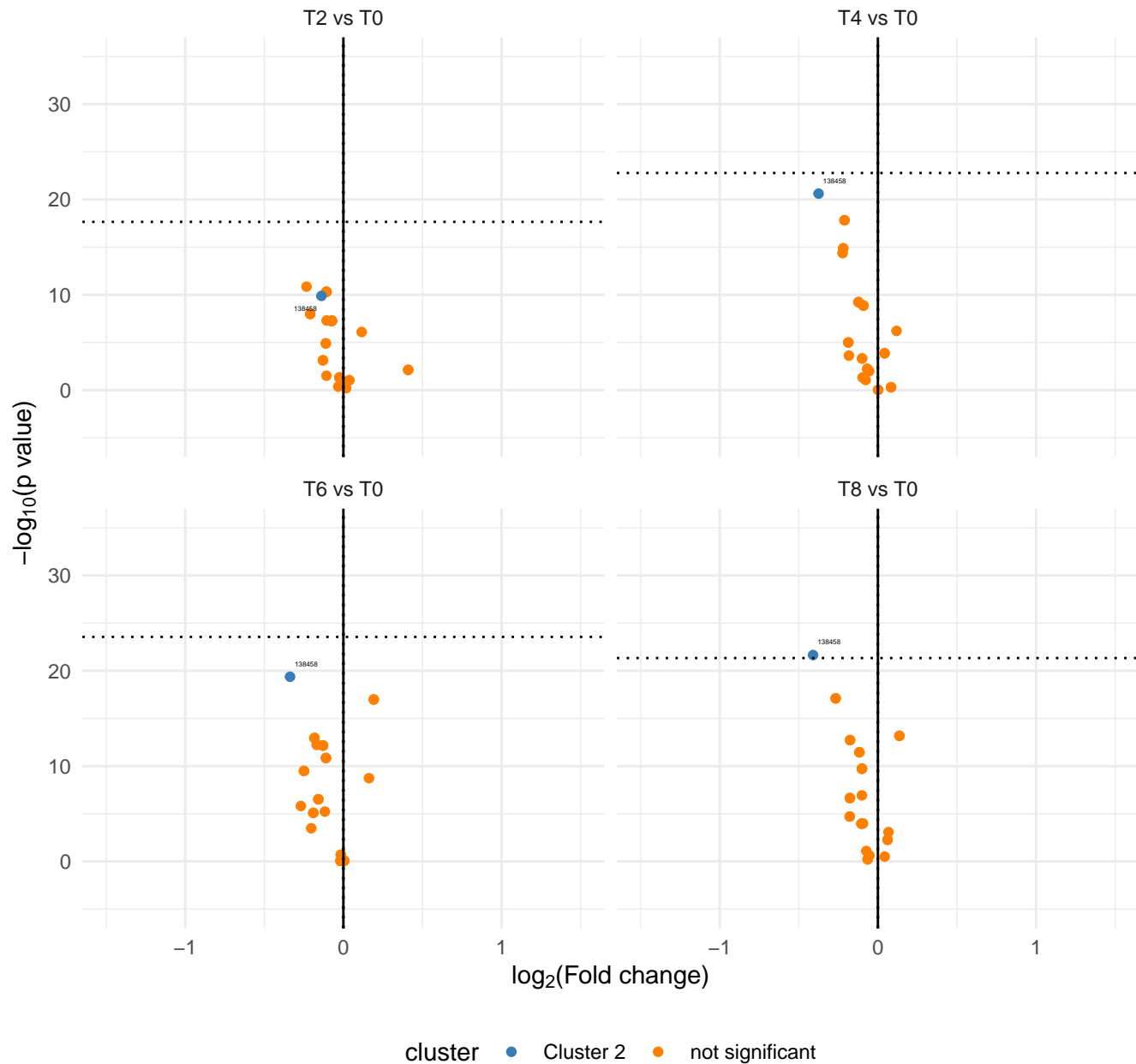
Cell cycle control, cell division, chromosome partitioning



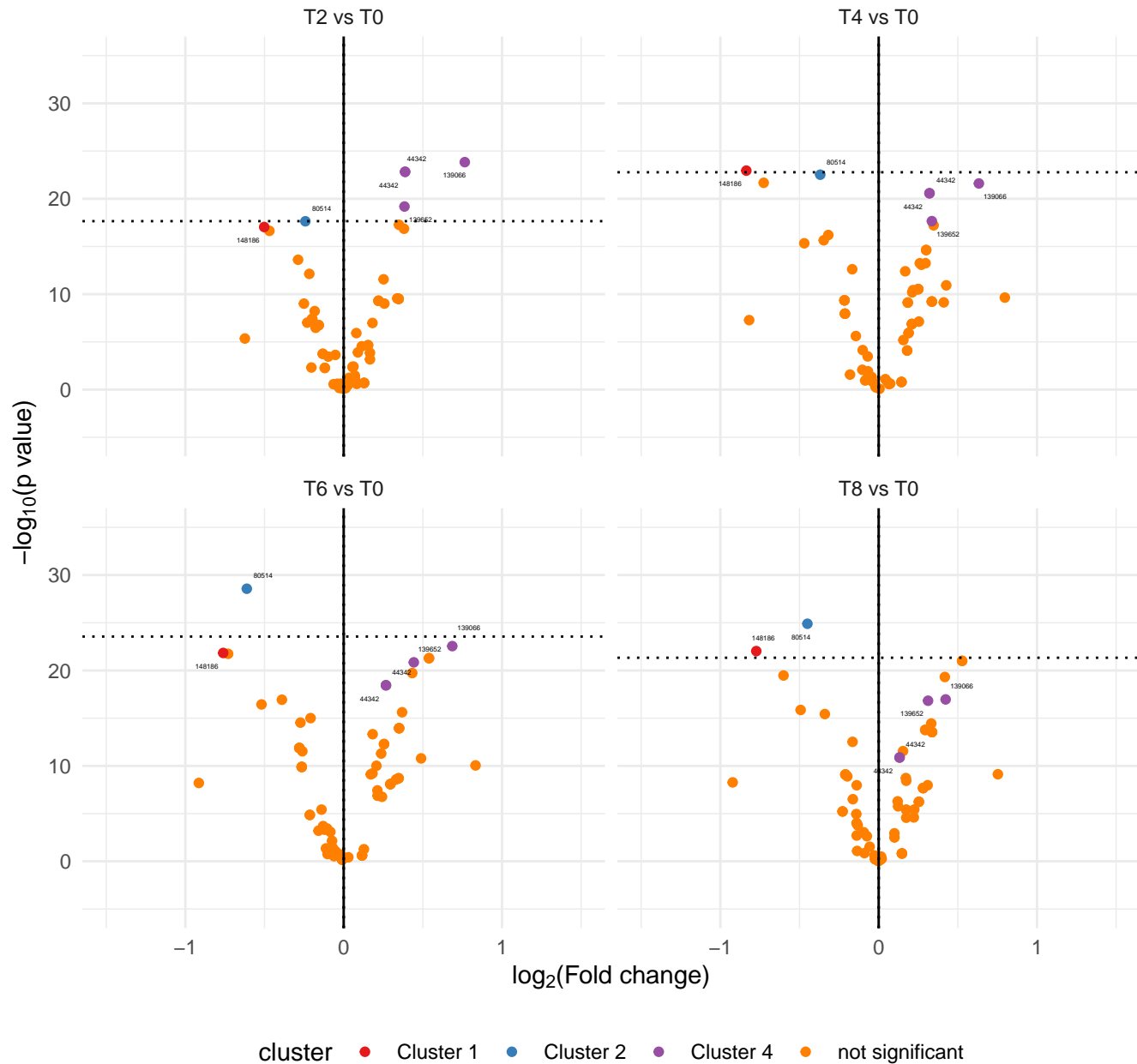
Cell motility



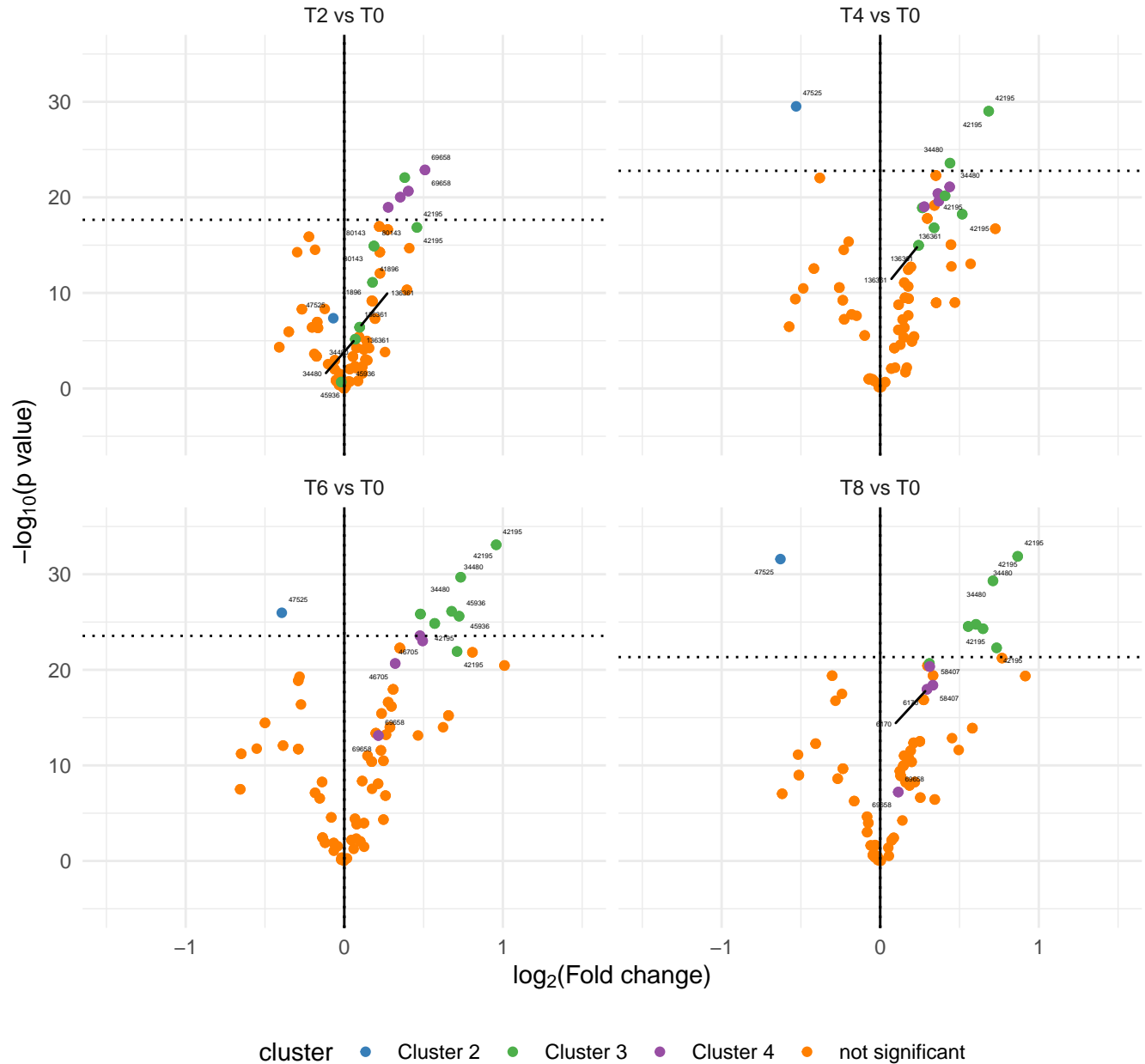
Cell wall/membrane/envelope biogenesis



Chromatin structure and dynamics

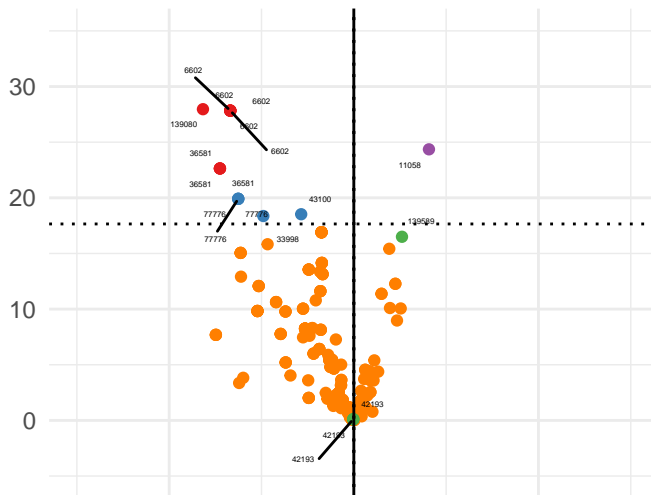


Coenzyme transport and metabolism

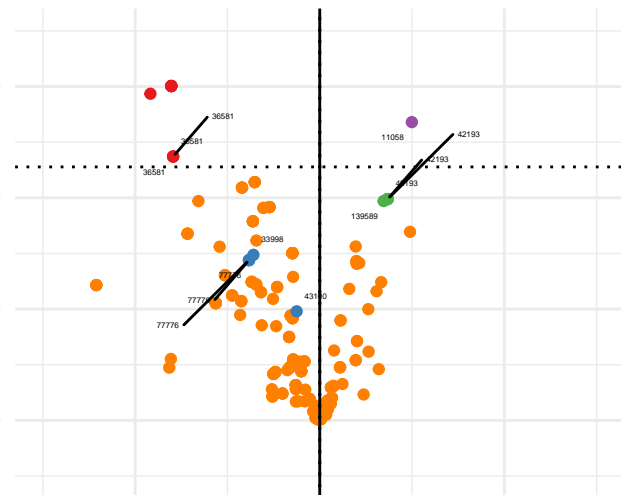


Cytoskeleton

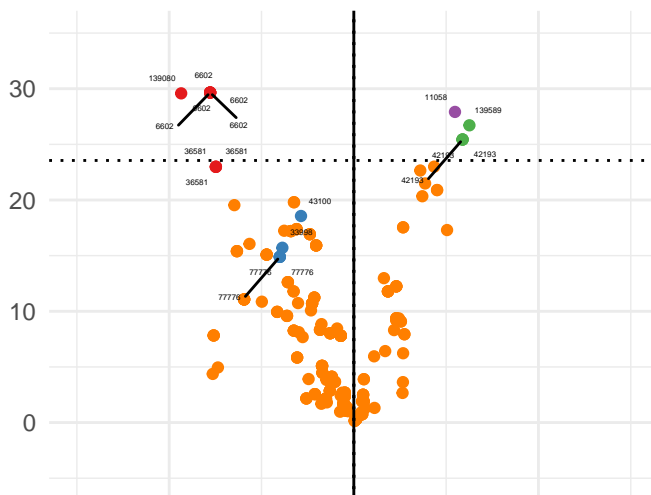
T2 vs T0



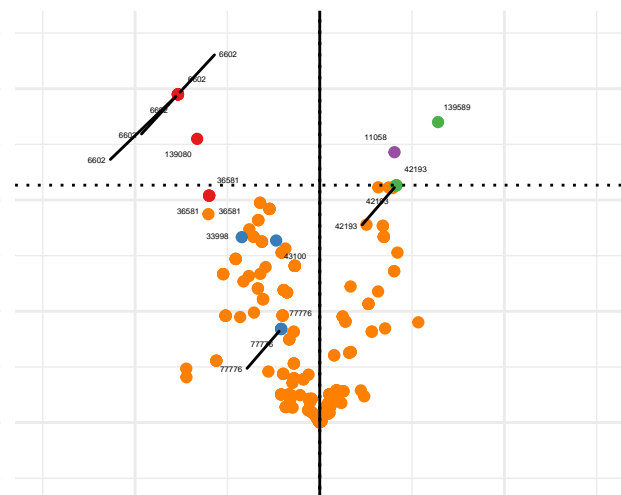
T4 vs T0



T6 vs T0



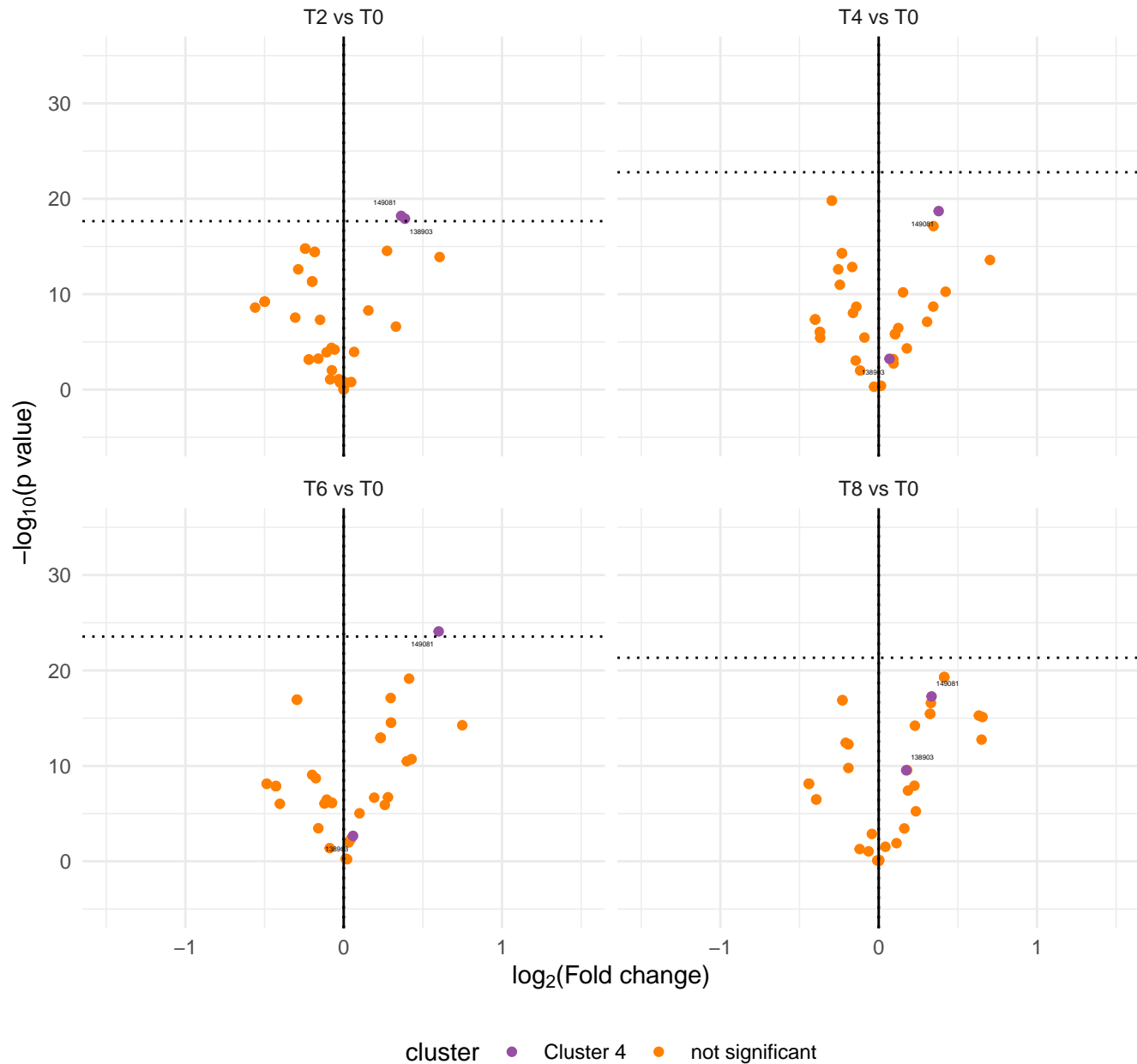
T8 vs T0



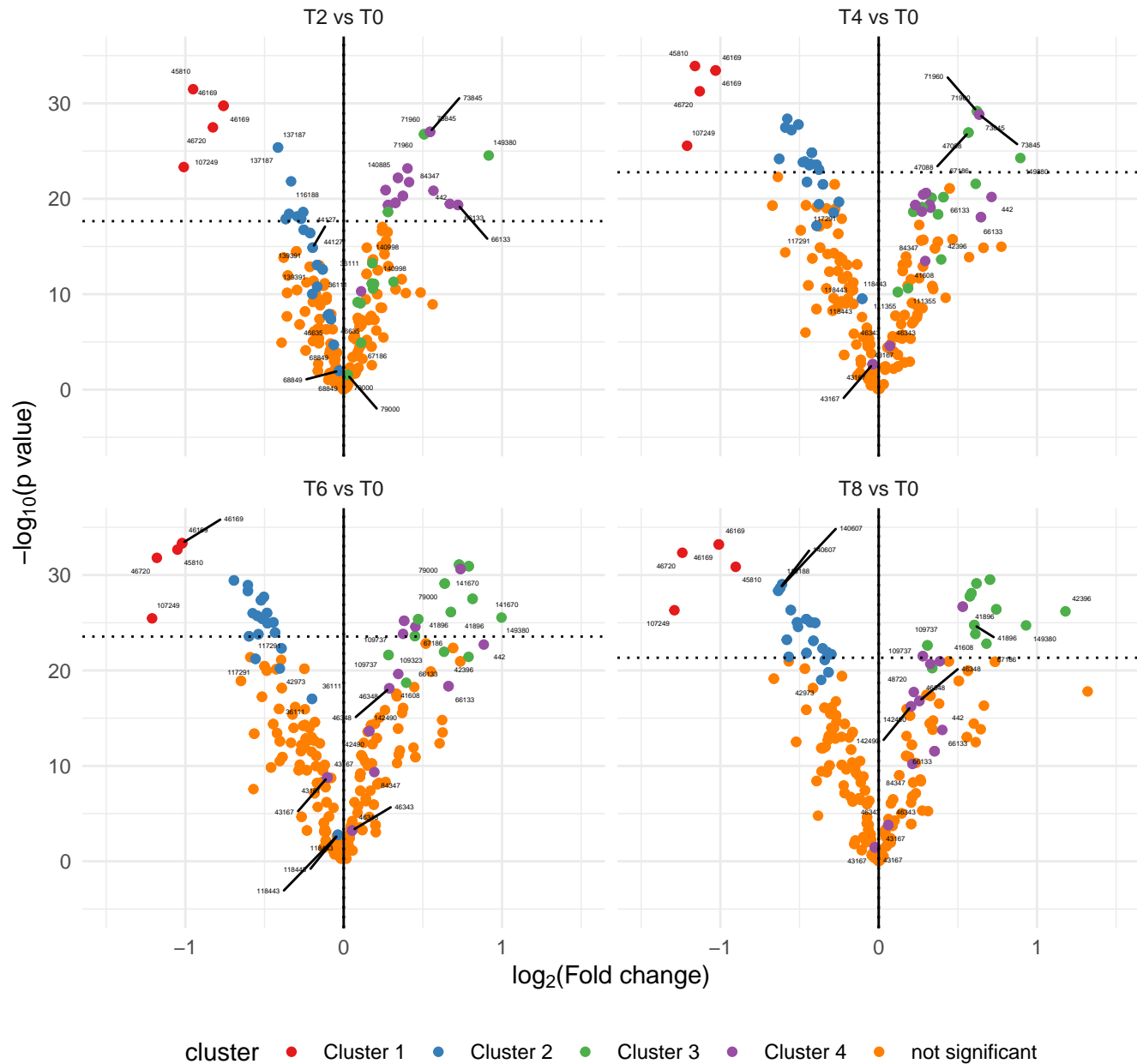
$\log_2(\text{Fold change})$

cluster ● Cluster 1 ● Cluster 2 ● Cluster 3 ● Cluster 4 ● not significant

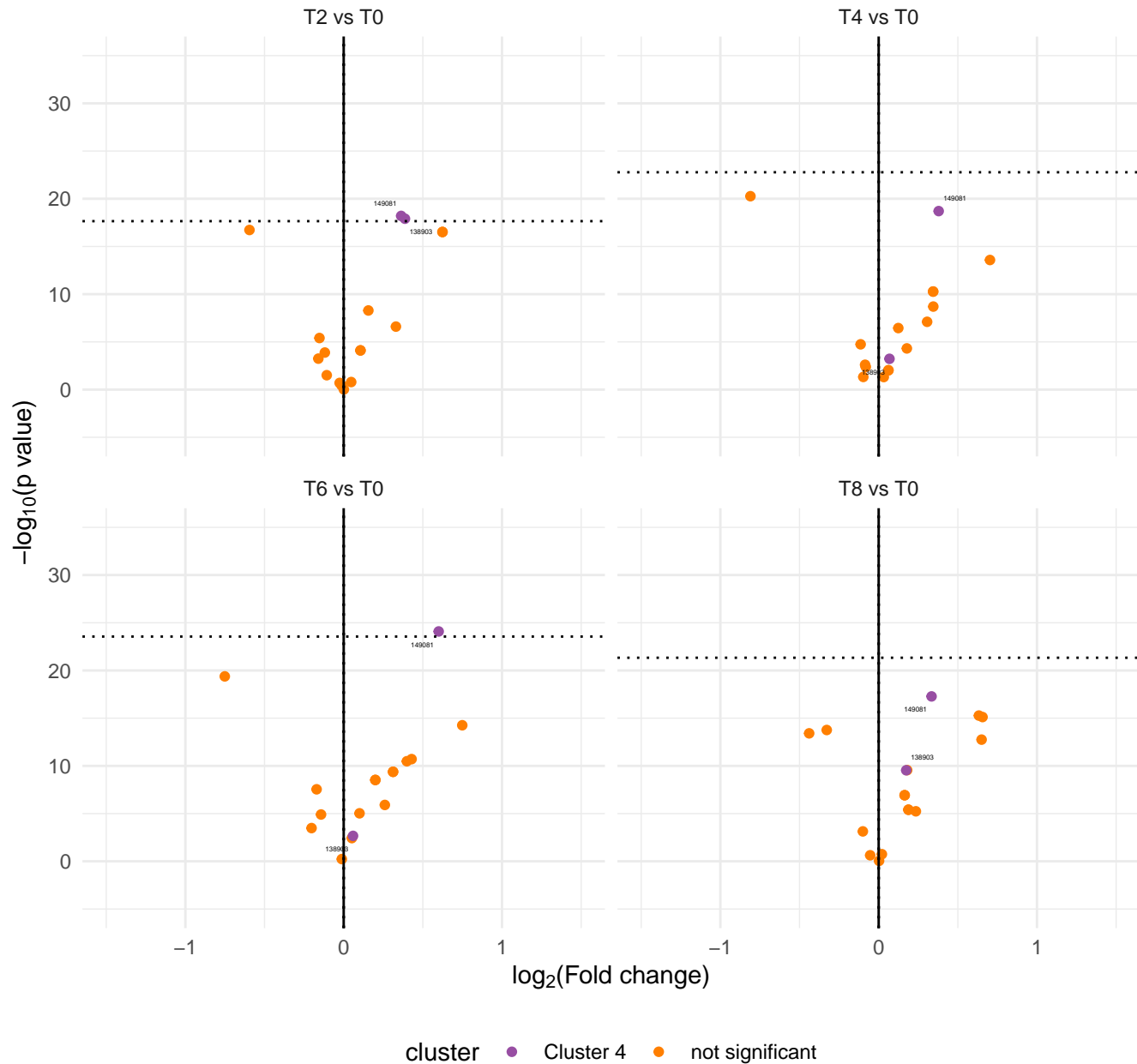
Defense mechanisms



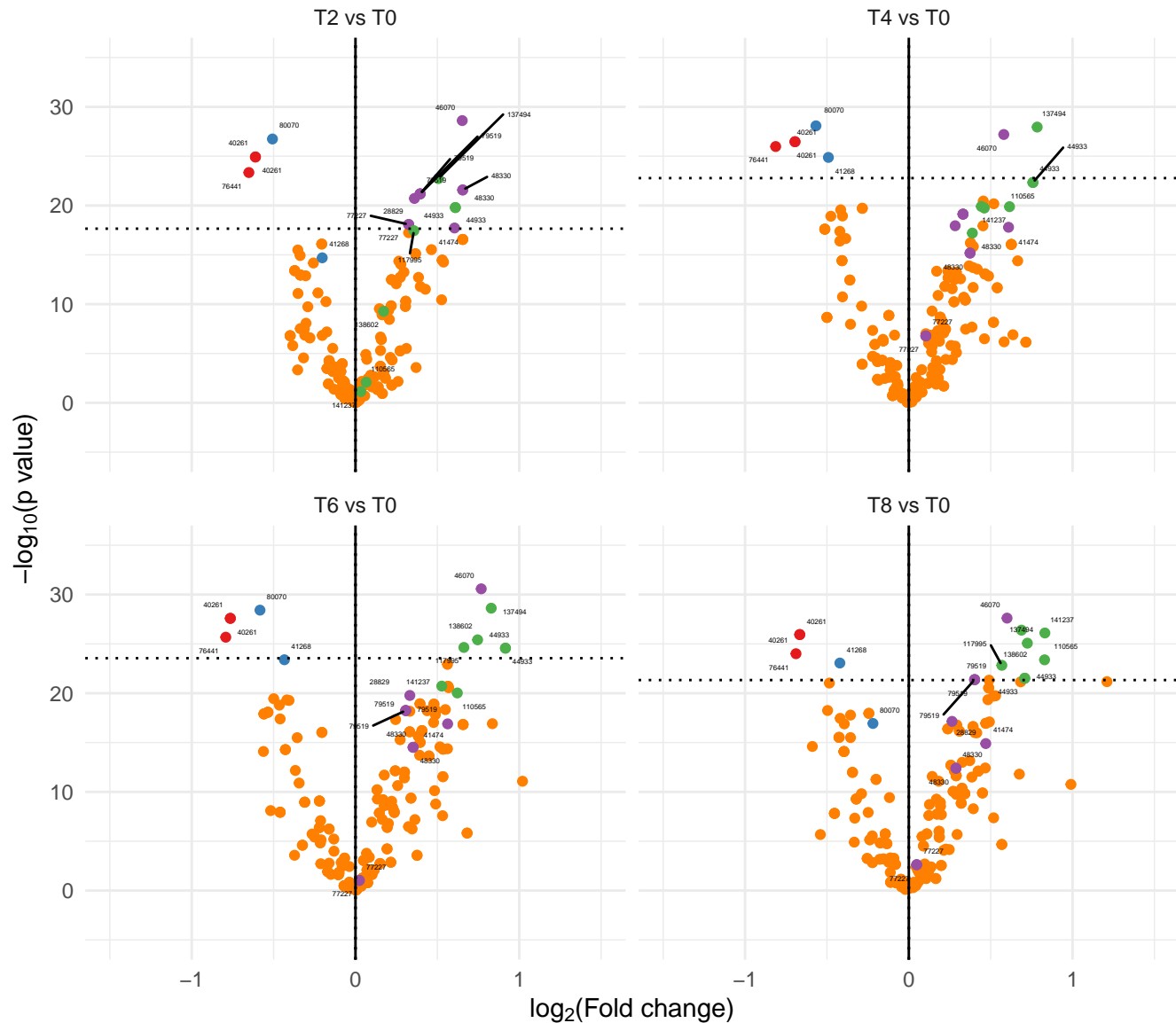
Energy production and conversion



Extracellular structures

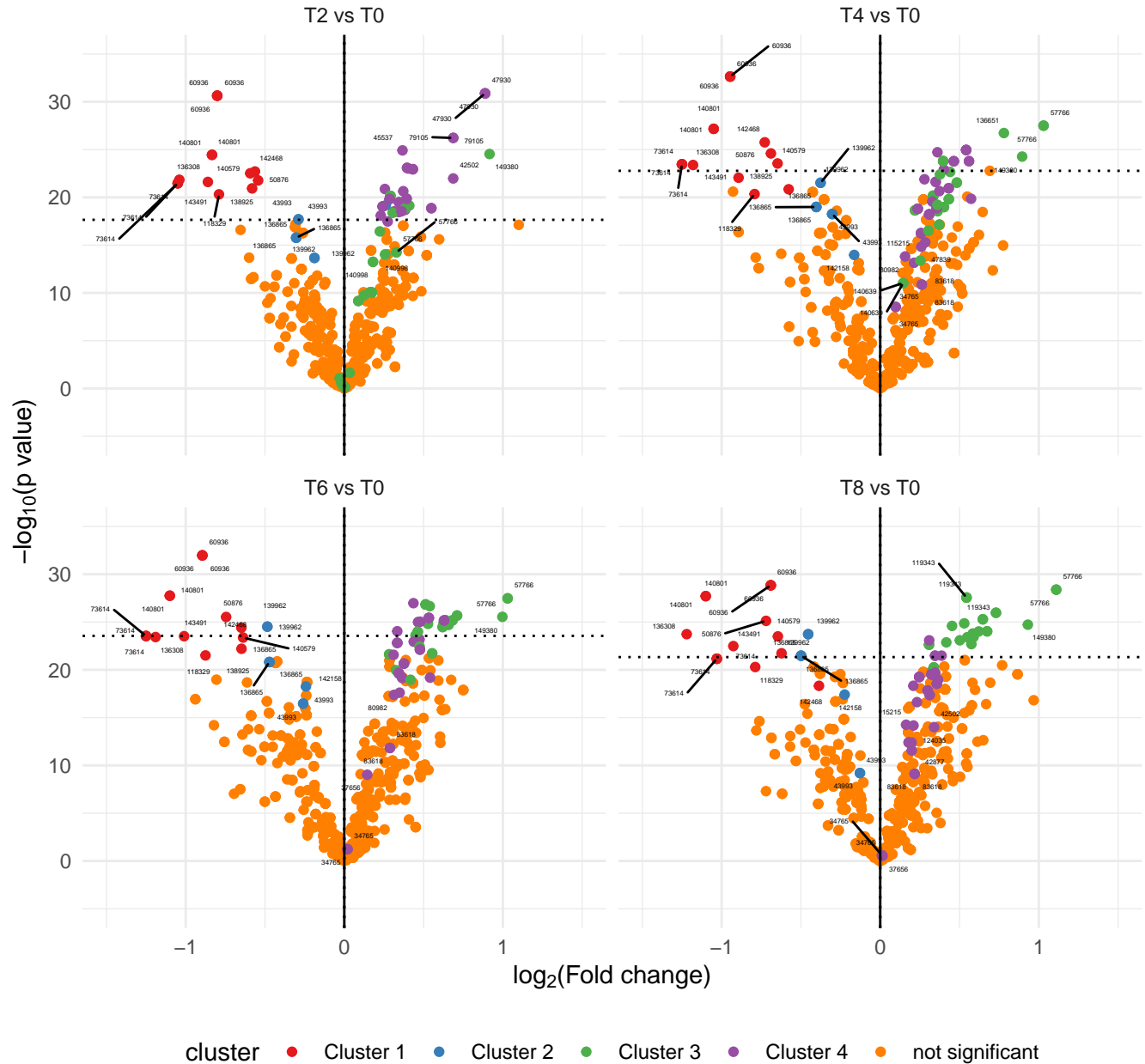


Function unknown

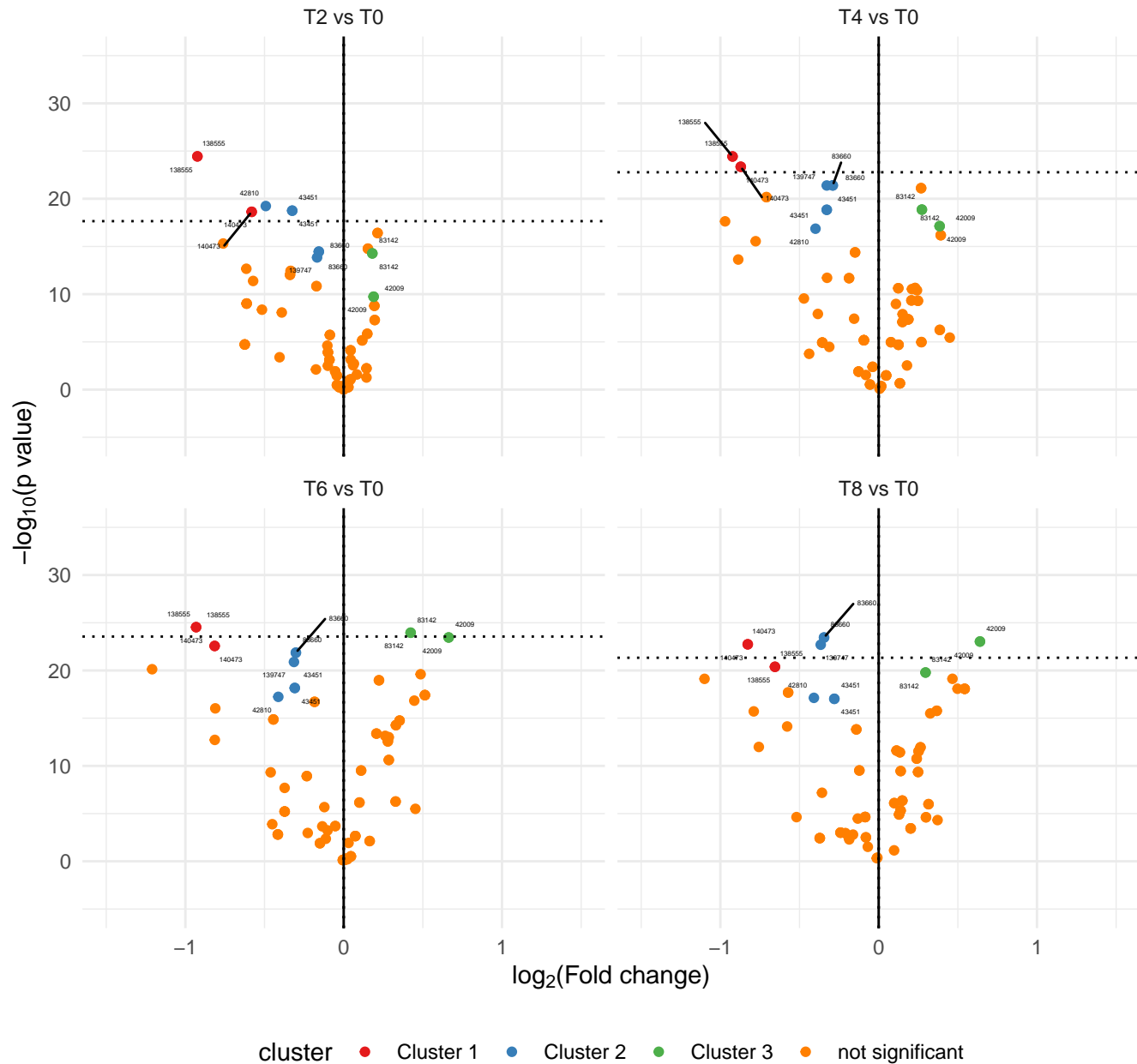


cluster ● Cluster 1 ● Cluster 2 ● Cluster 3 ● Cluster 4 ● not significant

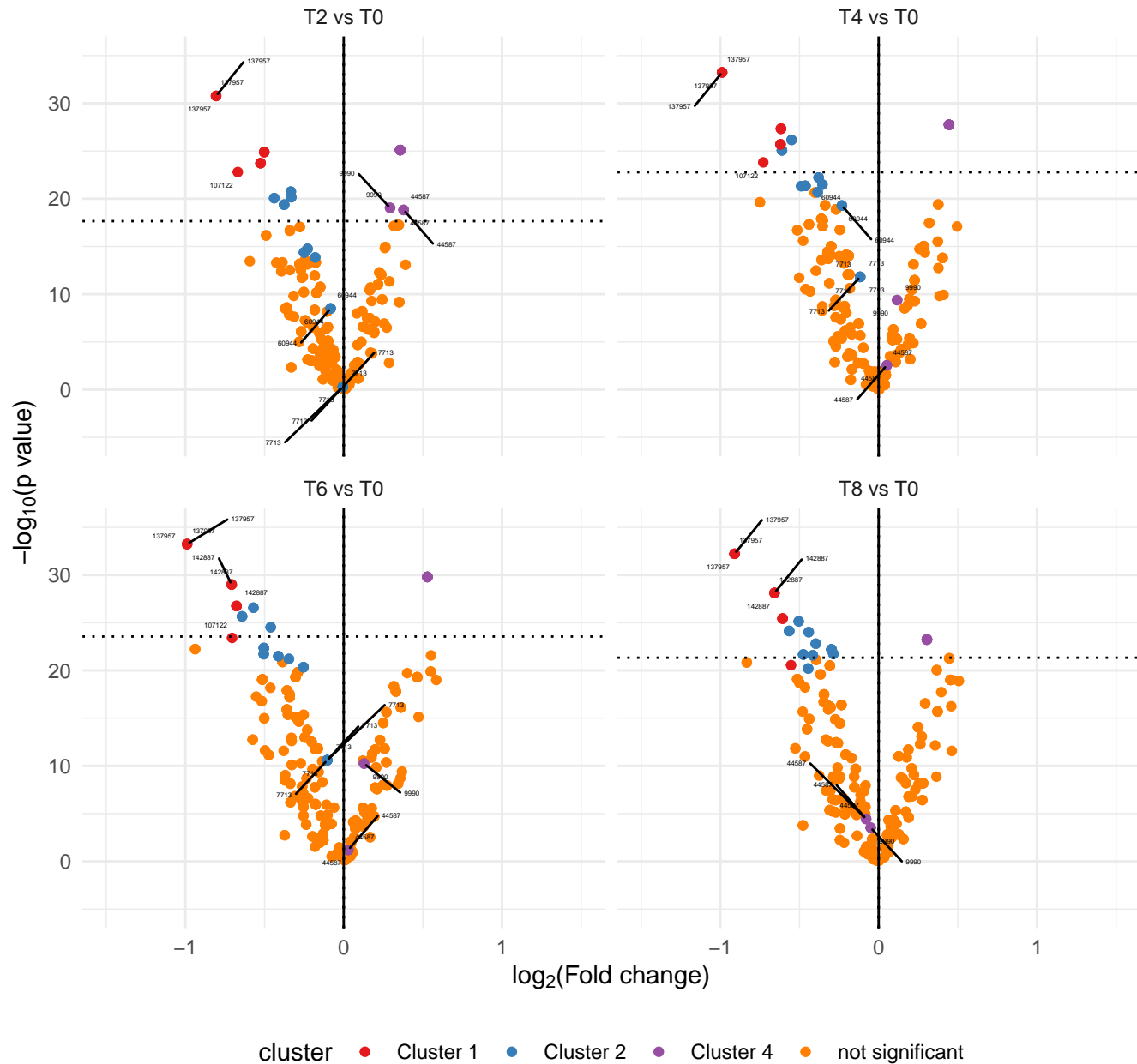
General function prediction only



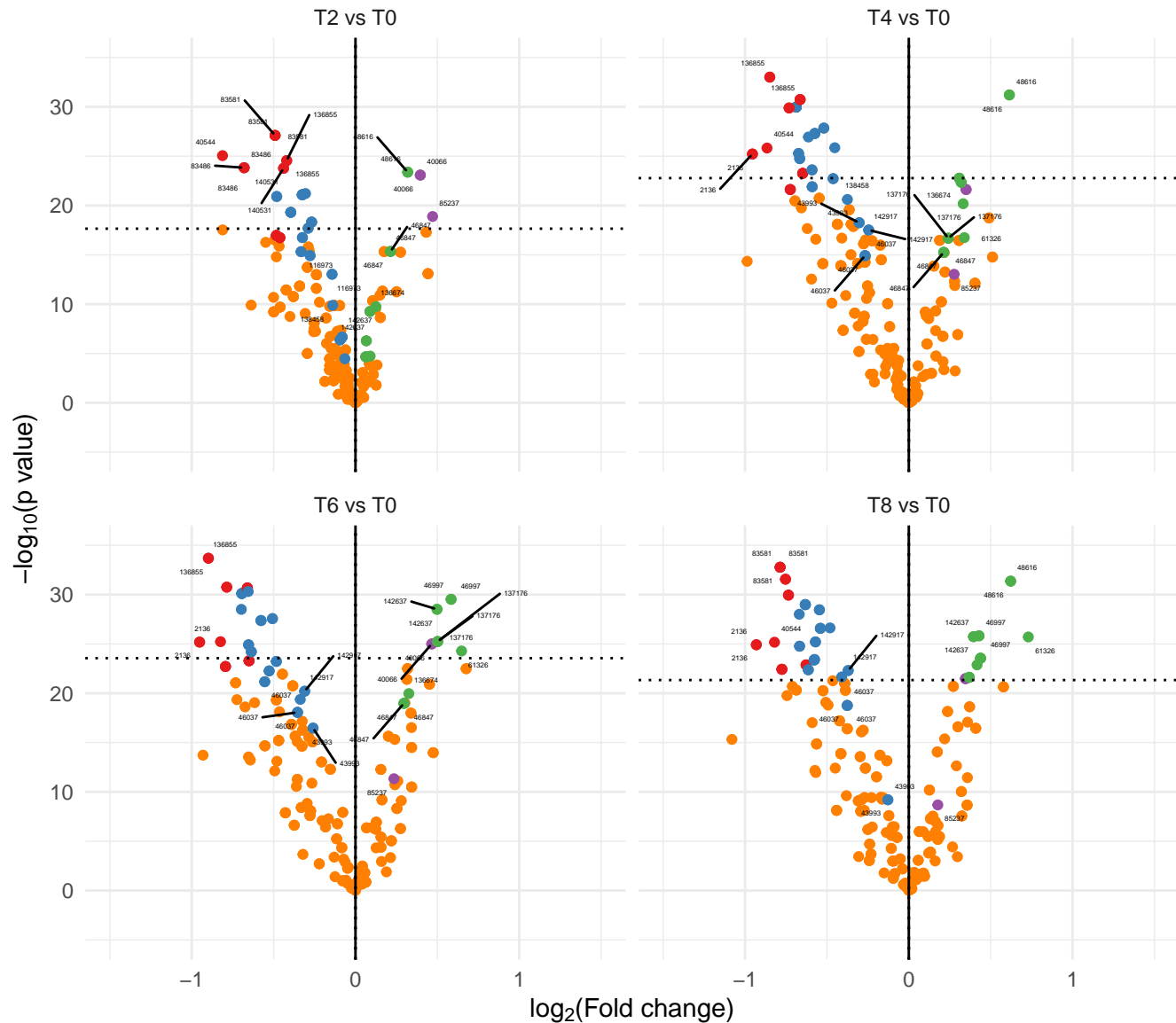
Inorganic ion transport and metabolism



Intracellular trafficking, secretion, and vesicular transport

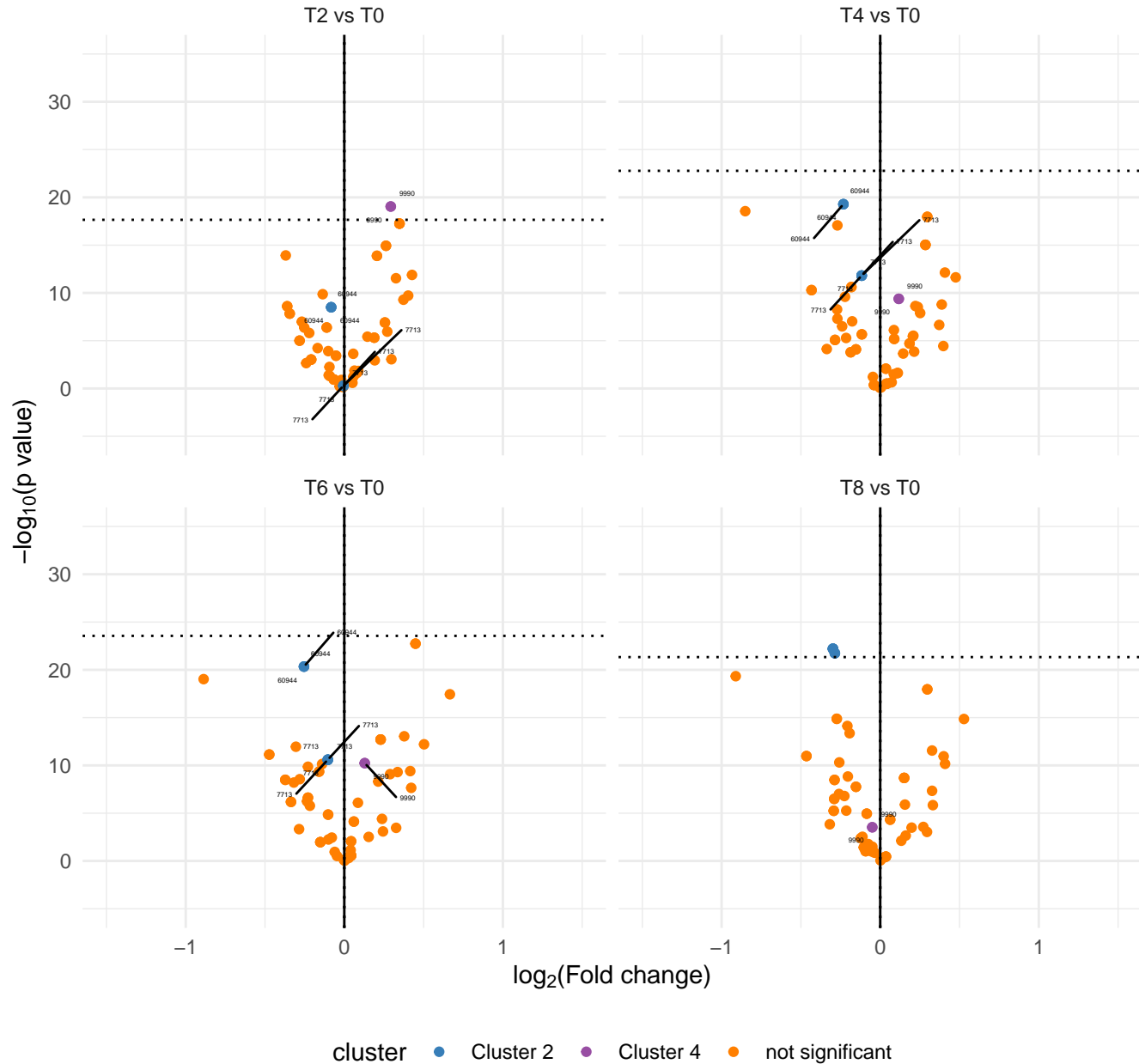


Lipid transport and metabolism

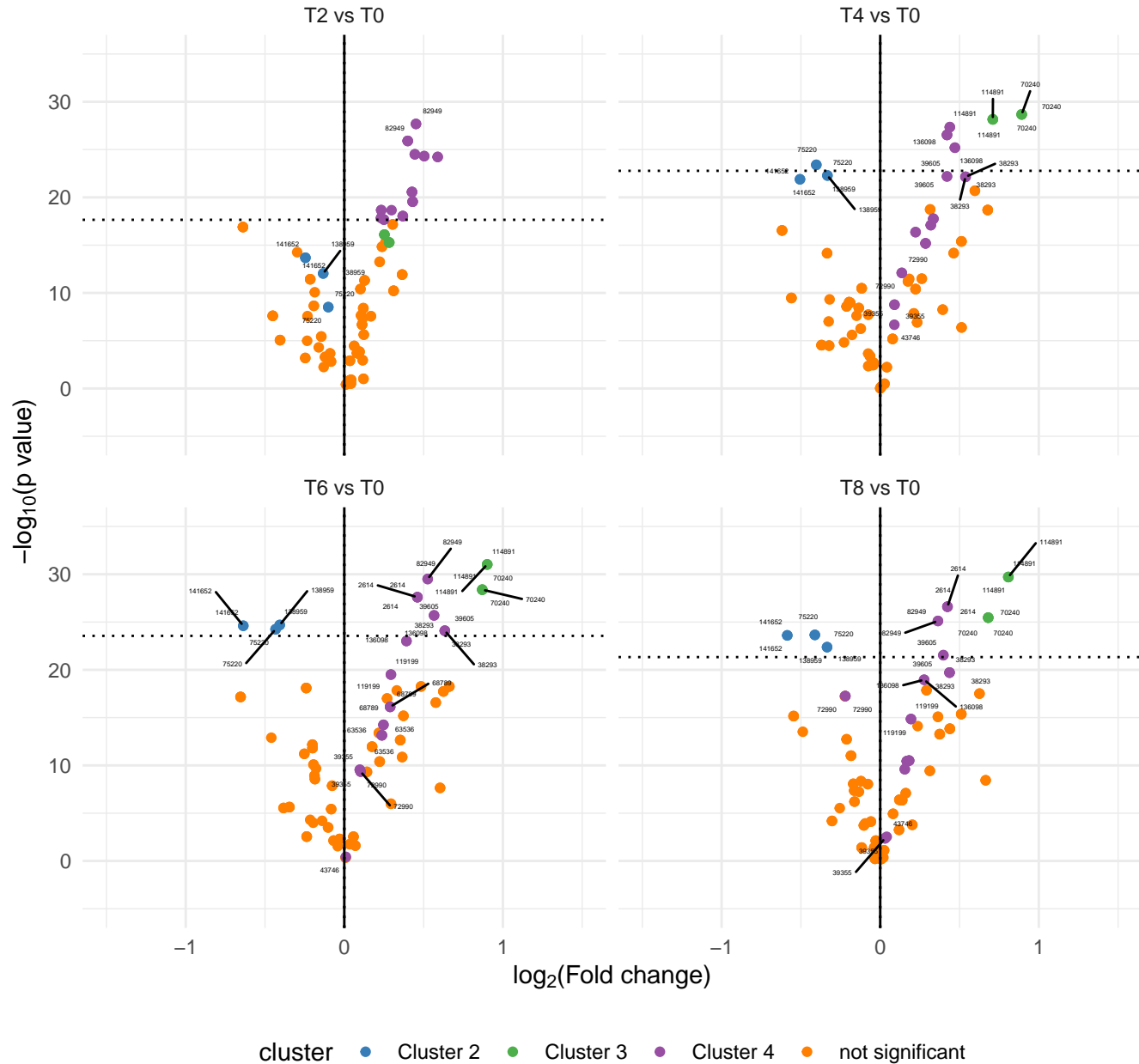


cluster ● Cluster 1 ● Cluster 2 ● Cluster 3 ● Cluster 4 ● not significant

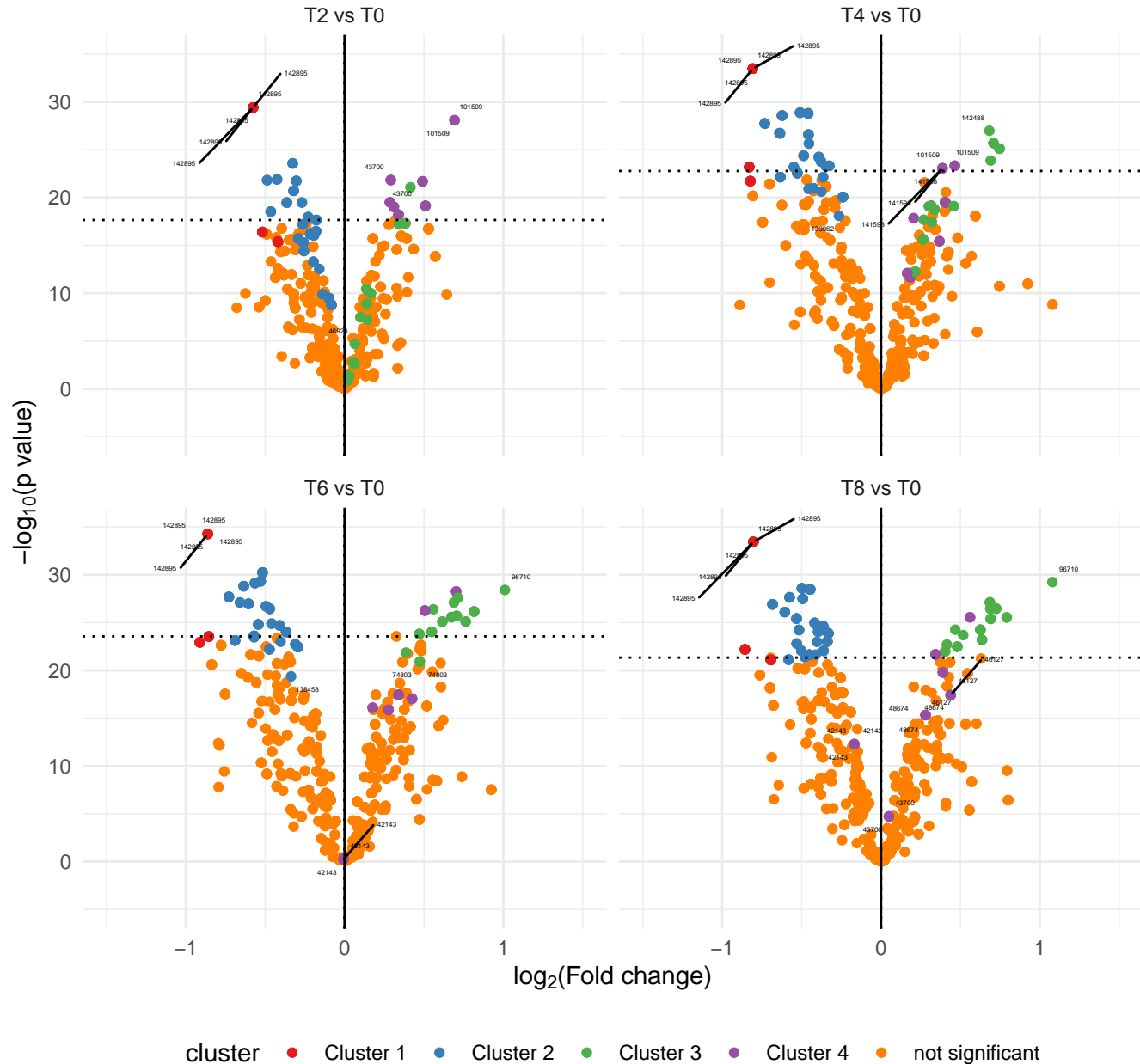
Nuclear structure



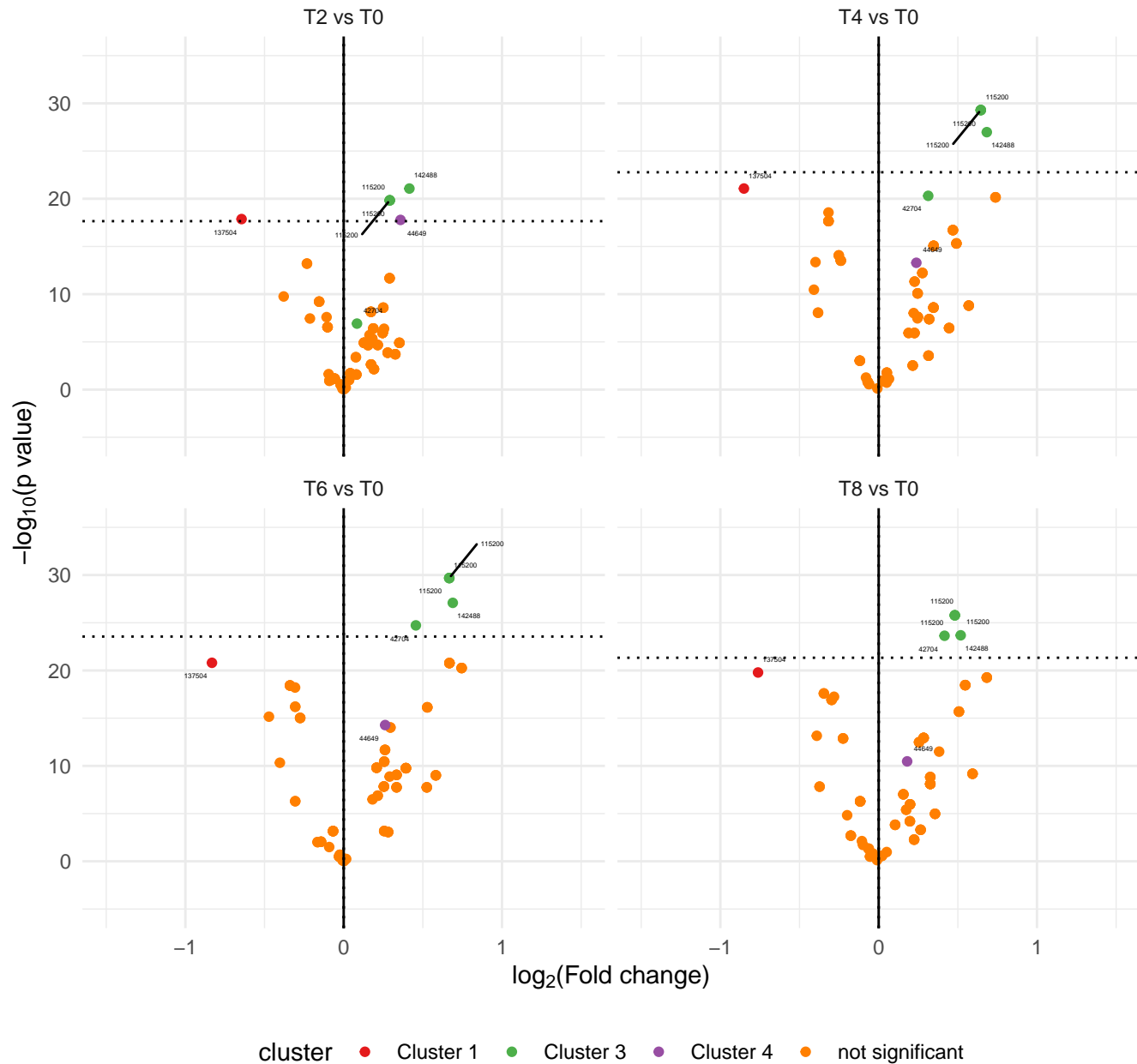
Nucleotide transport and metabolism



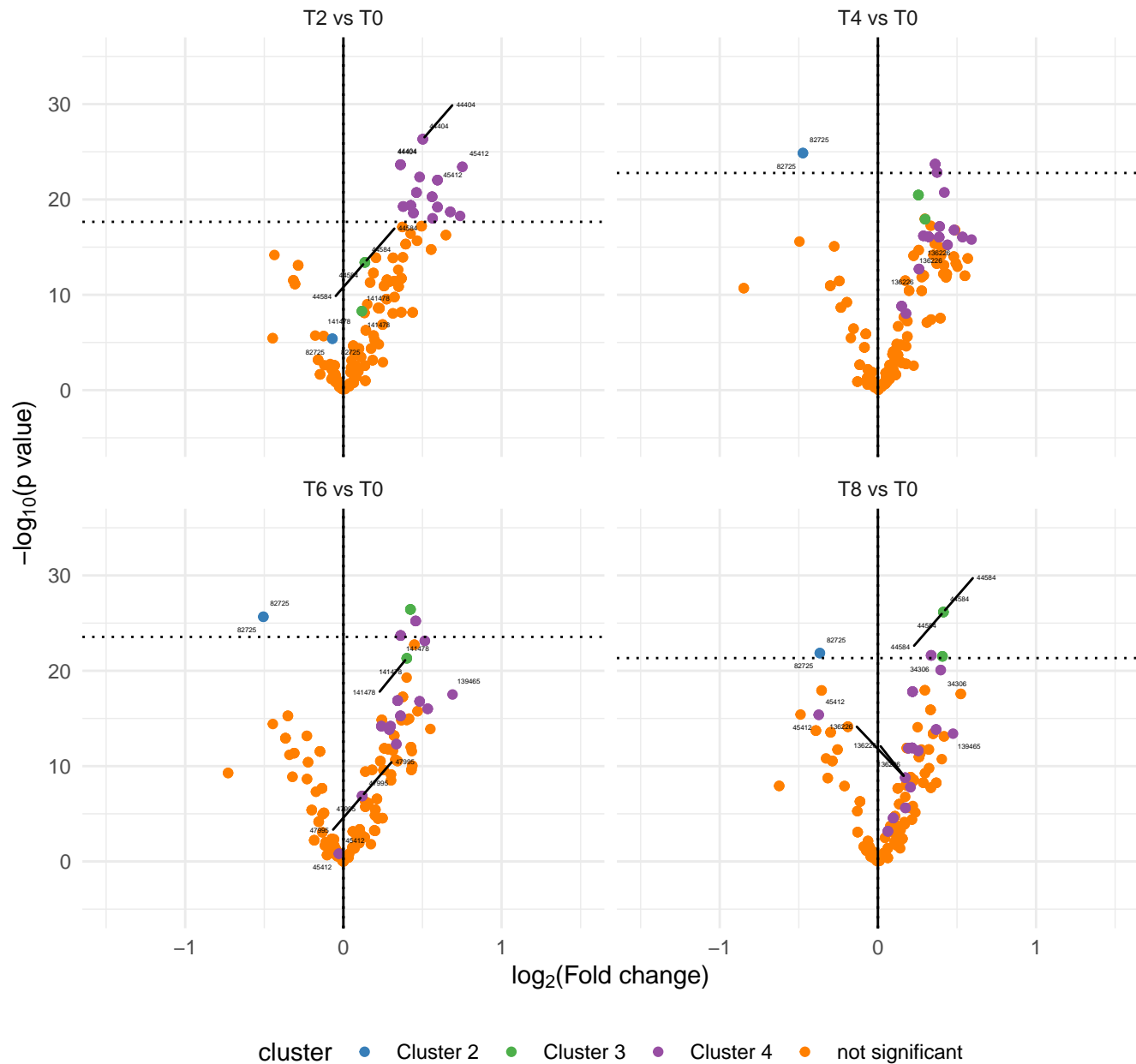
Posttranslational modification, protein turnover, chaperones



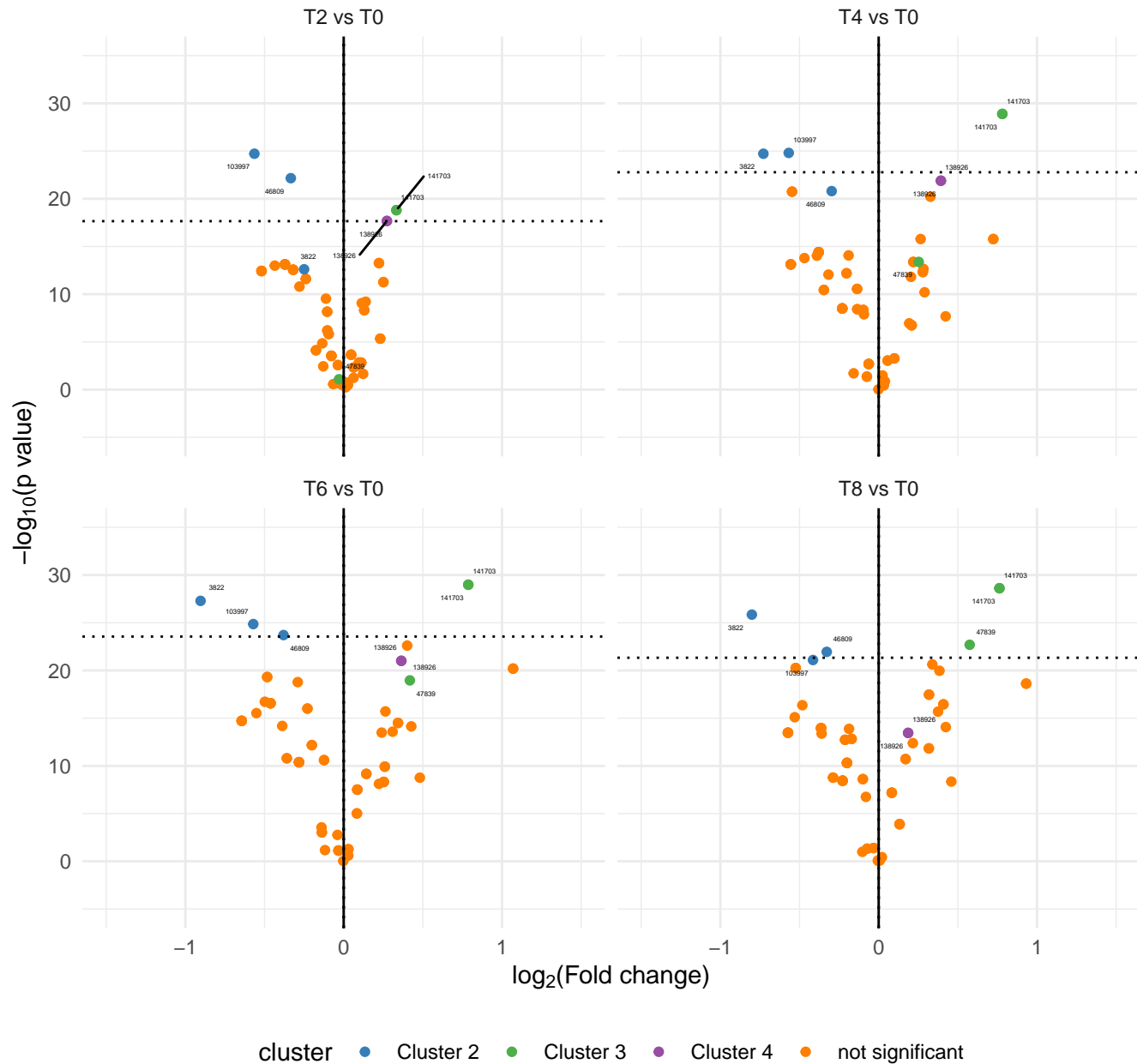
Replication, recombination and repair



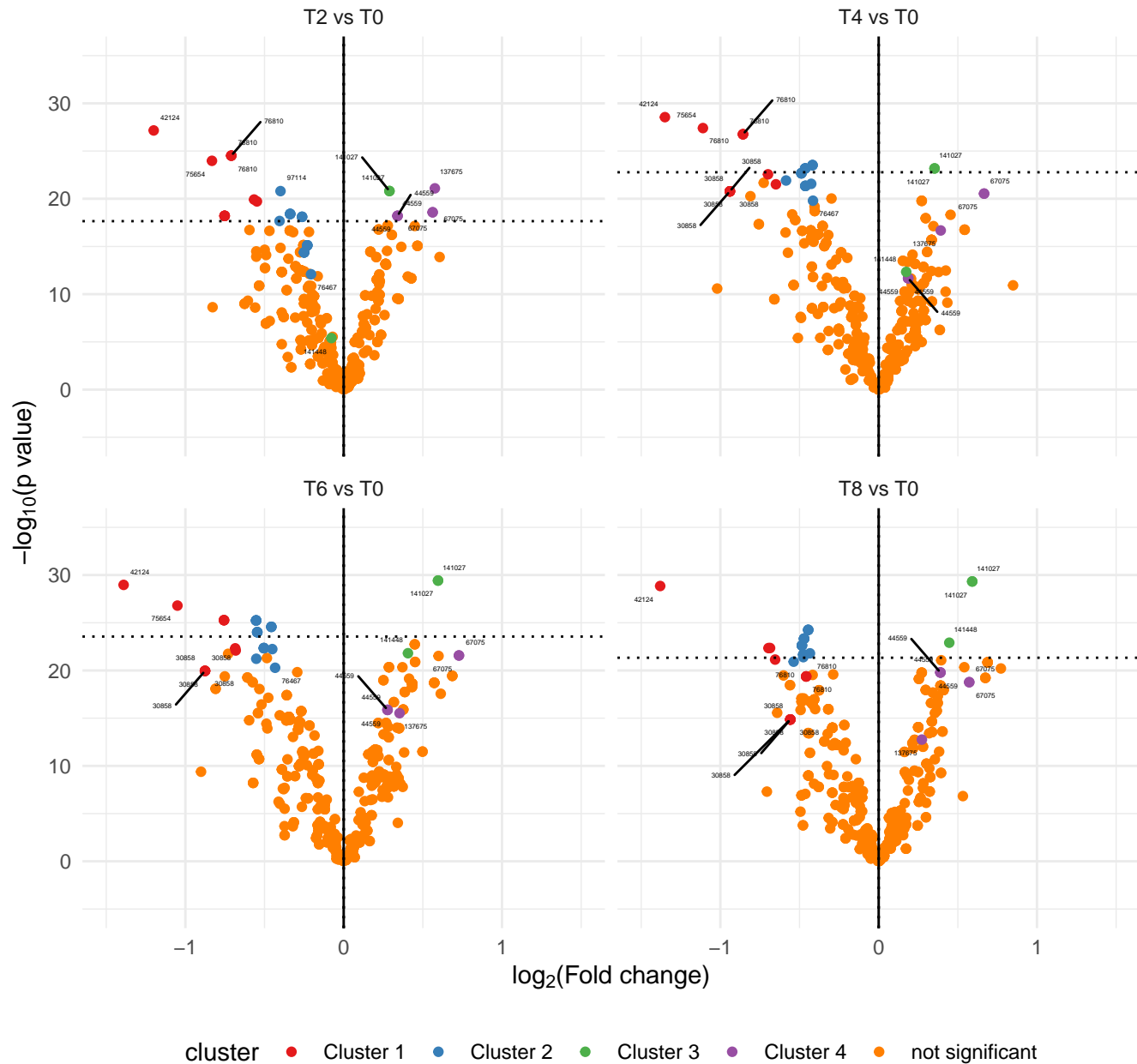
RNA processing and modification



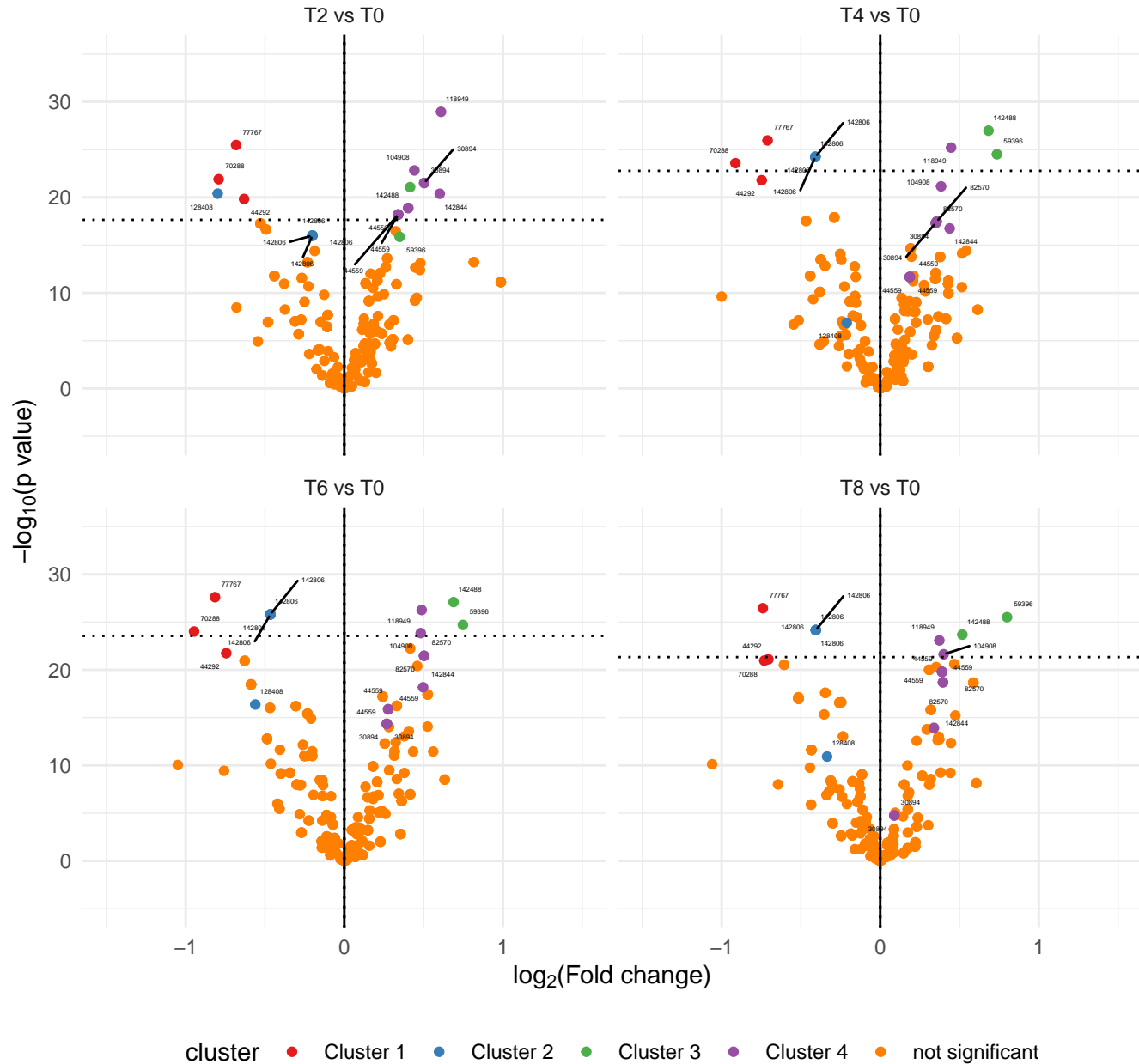
Secondary metabolites biosynthesis, transport and catabolism



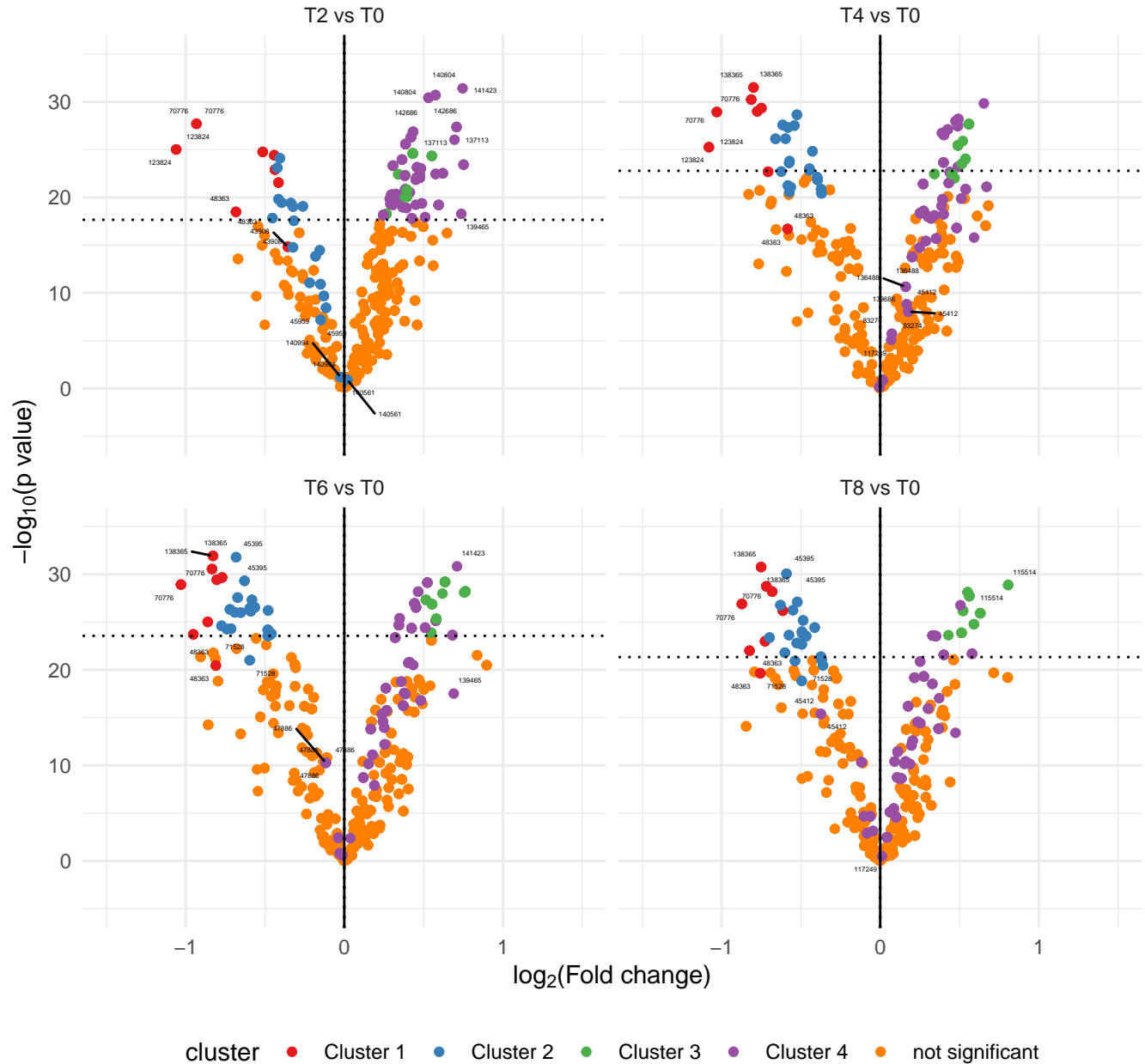
Signal transduction mechanisms



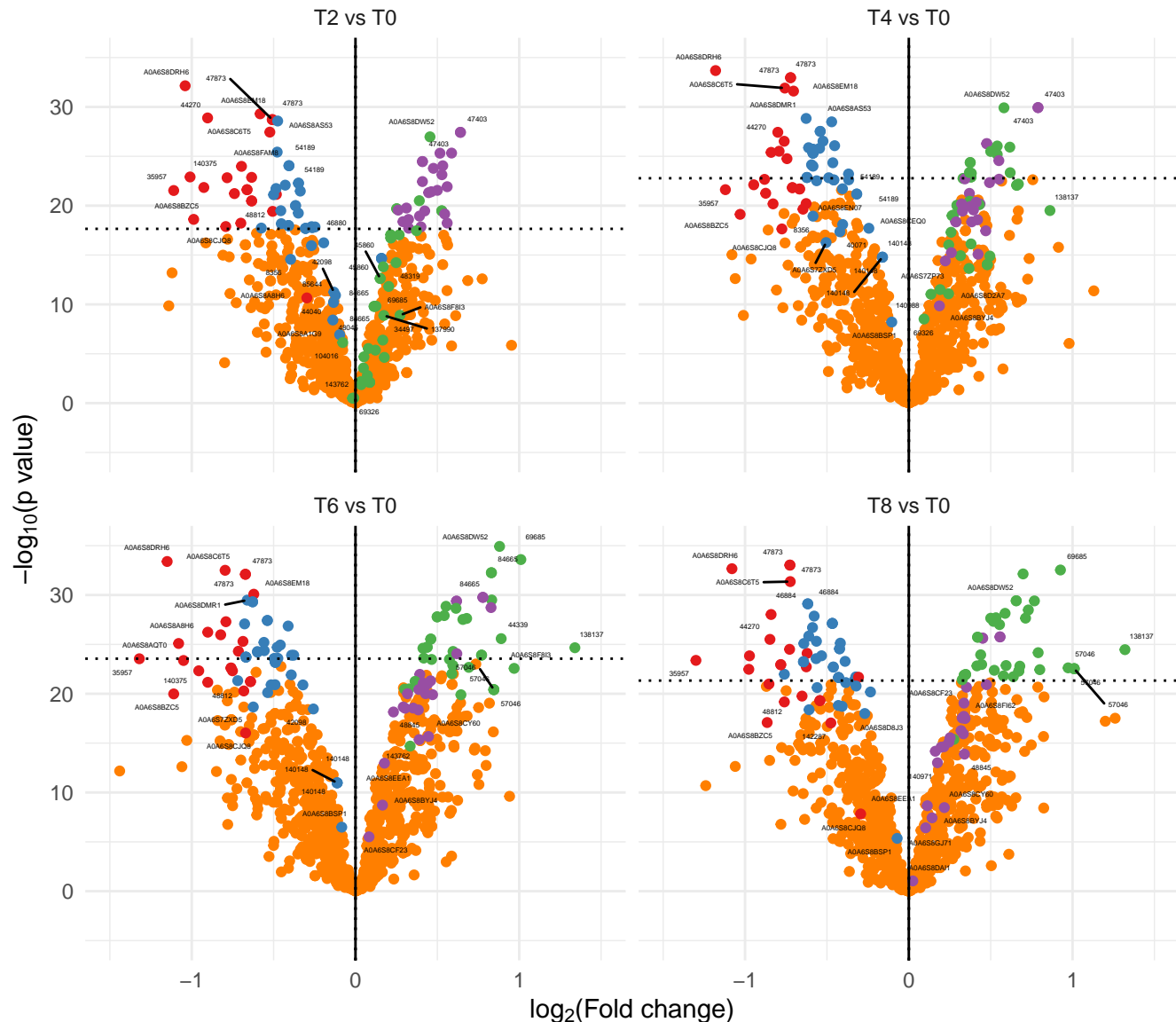
Transcription



Translation, ribosomal structure and biogenesis



Unknown kogClass



cluster ● Cluster 1 ● Cluster 2 ● Cluster 3 ● Cluster 4 ● not significant