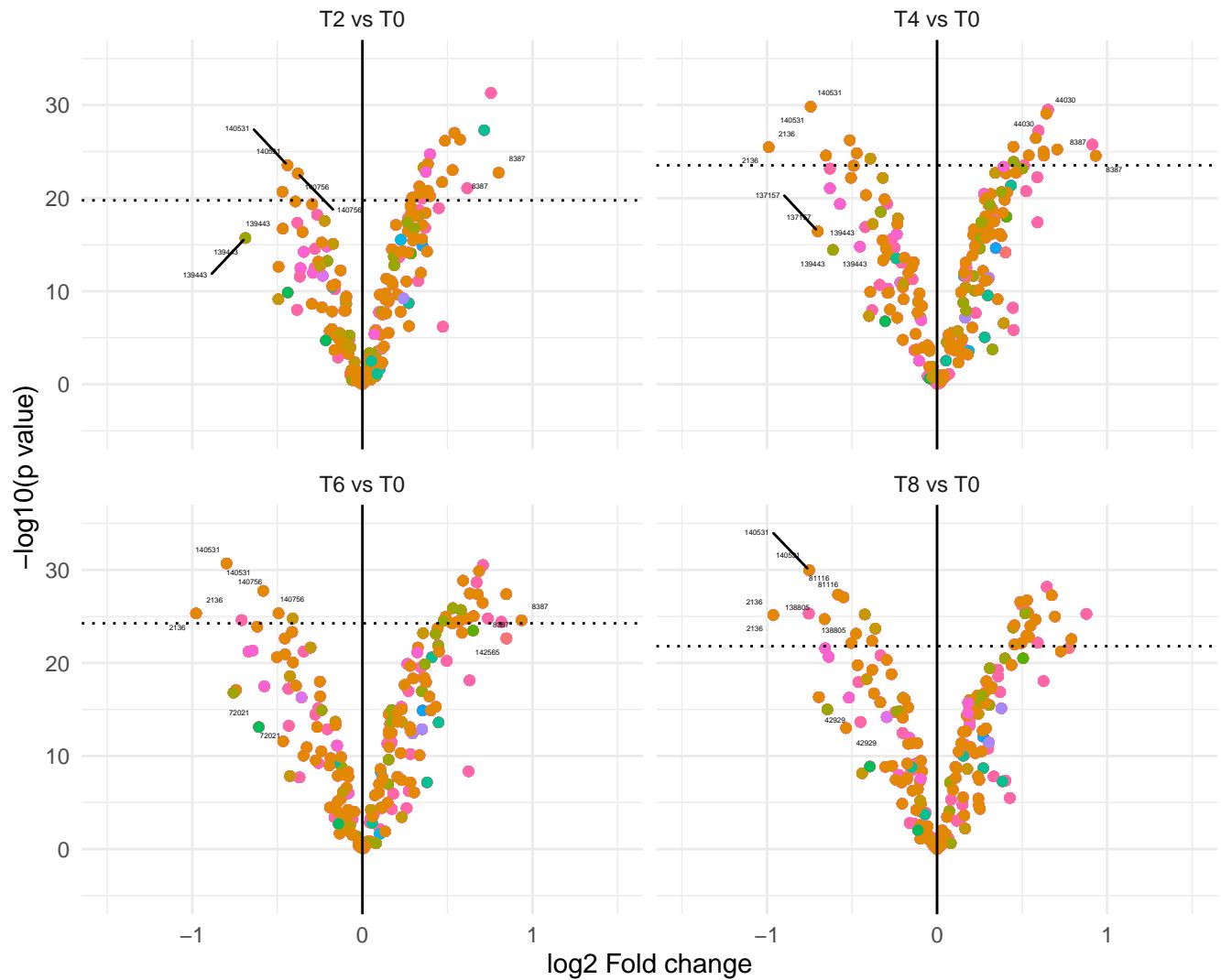
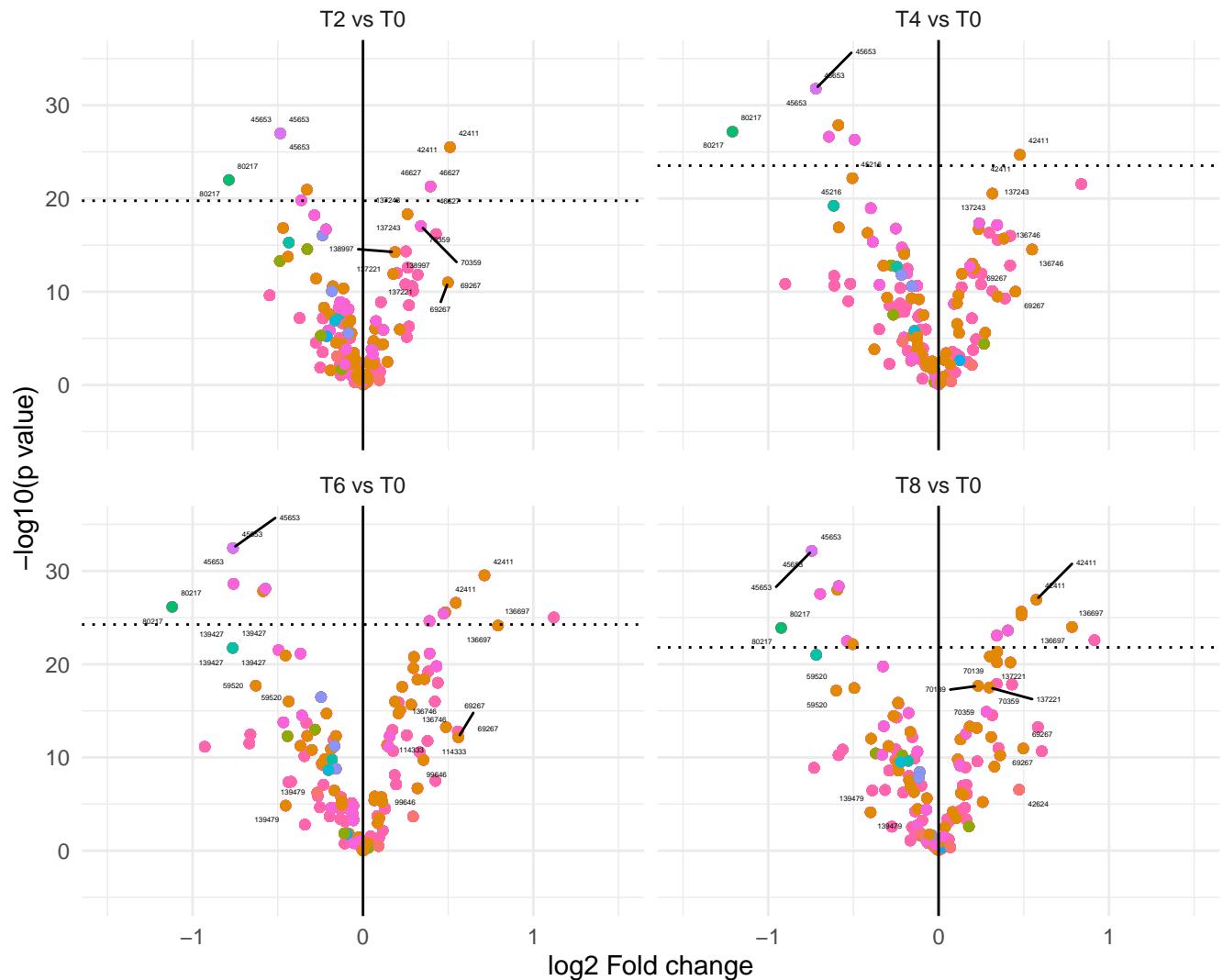


Amino acid transport and metabolism

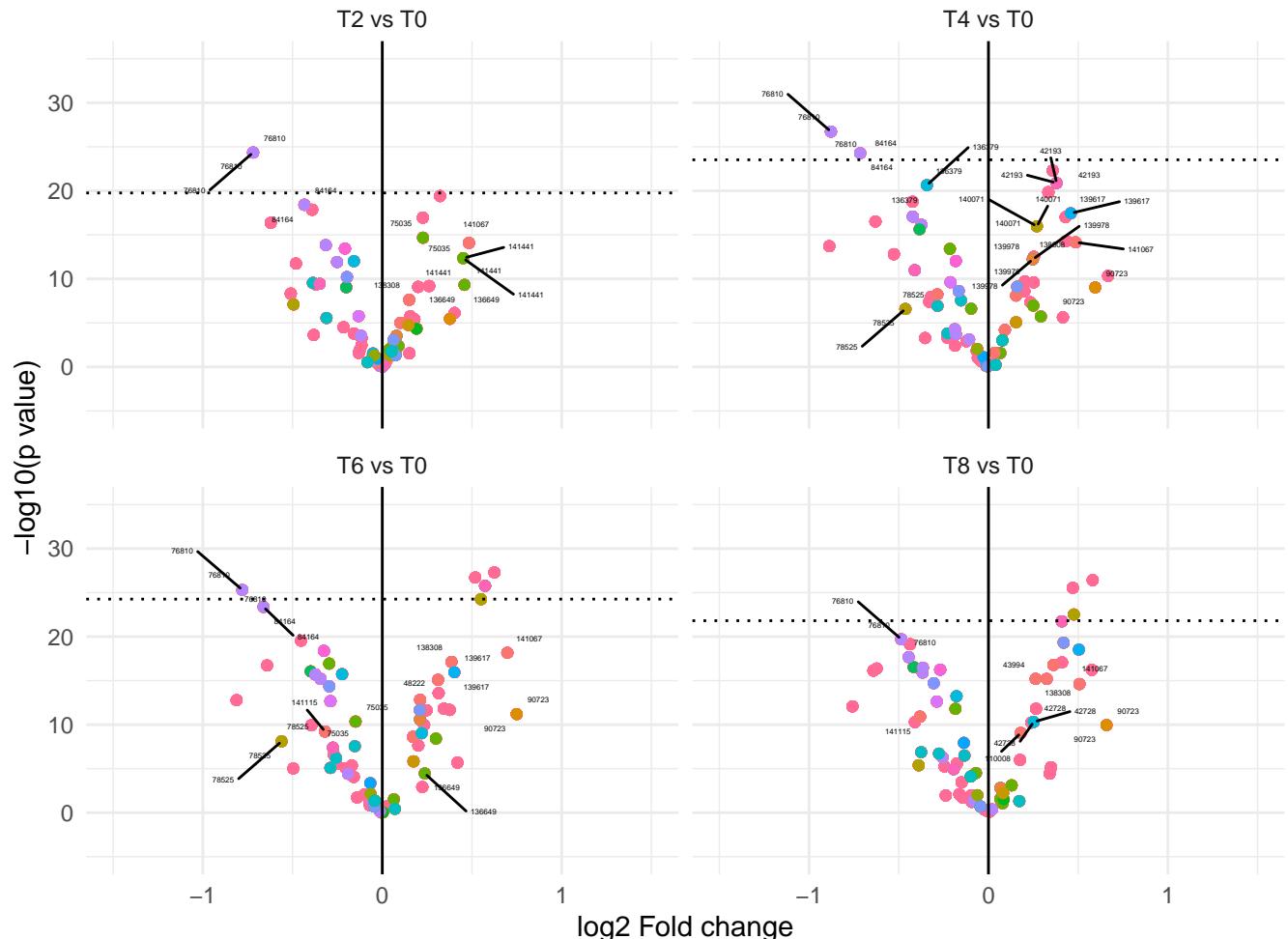


Carbohydrate transport and metabolism



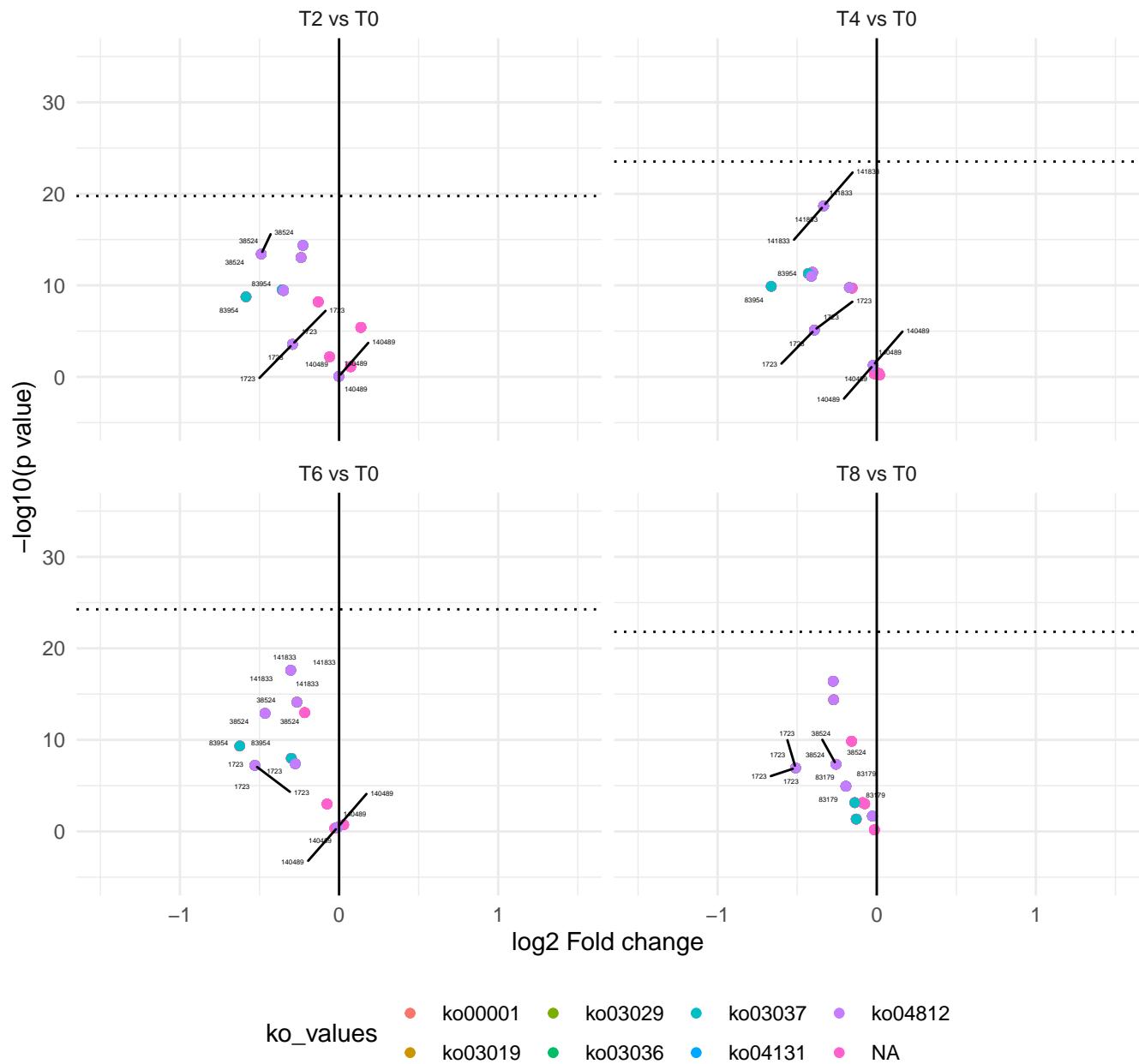
ko_values	ko00001	ko01003	ko03019	ko03400	NA
	ko01000	ko01009	ko03036	ko04131	
	ko01001	ko02000	ko03110	ko04147	

Cell cycle control, cell division, chromosome partitioning

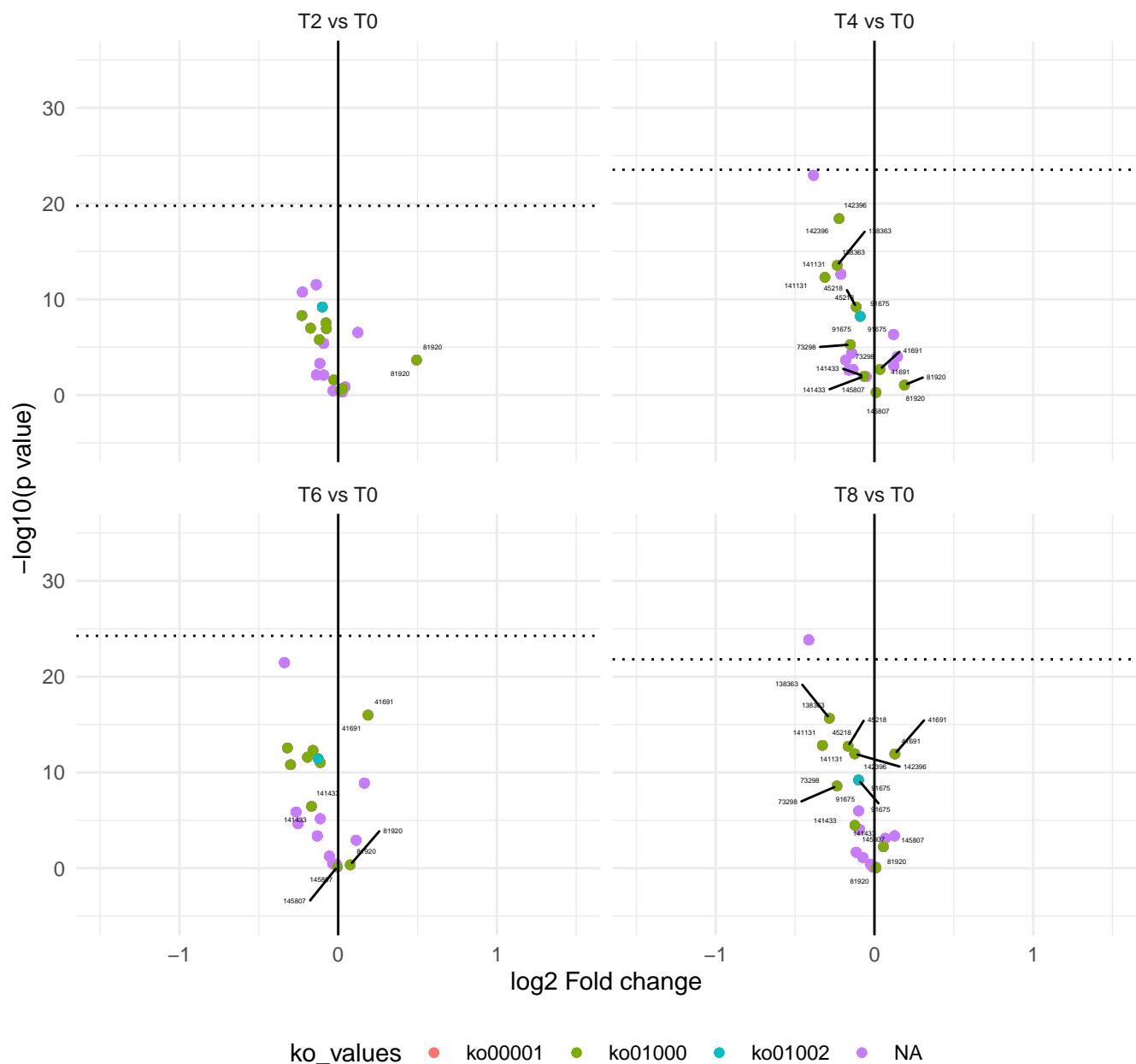


- | |
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|---|

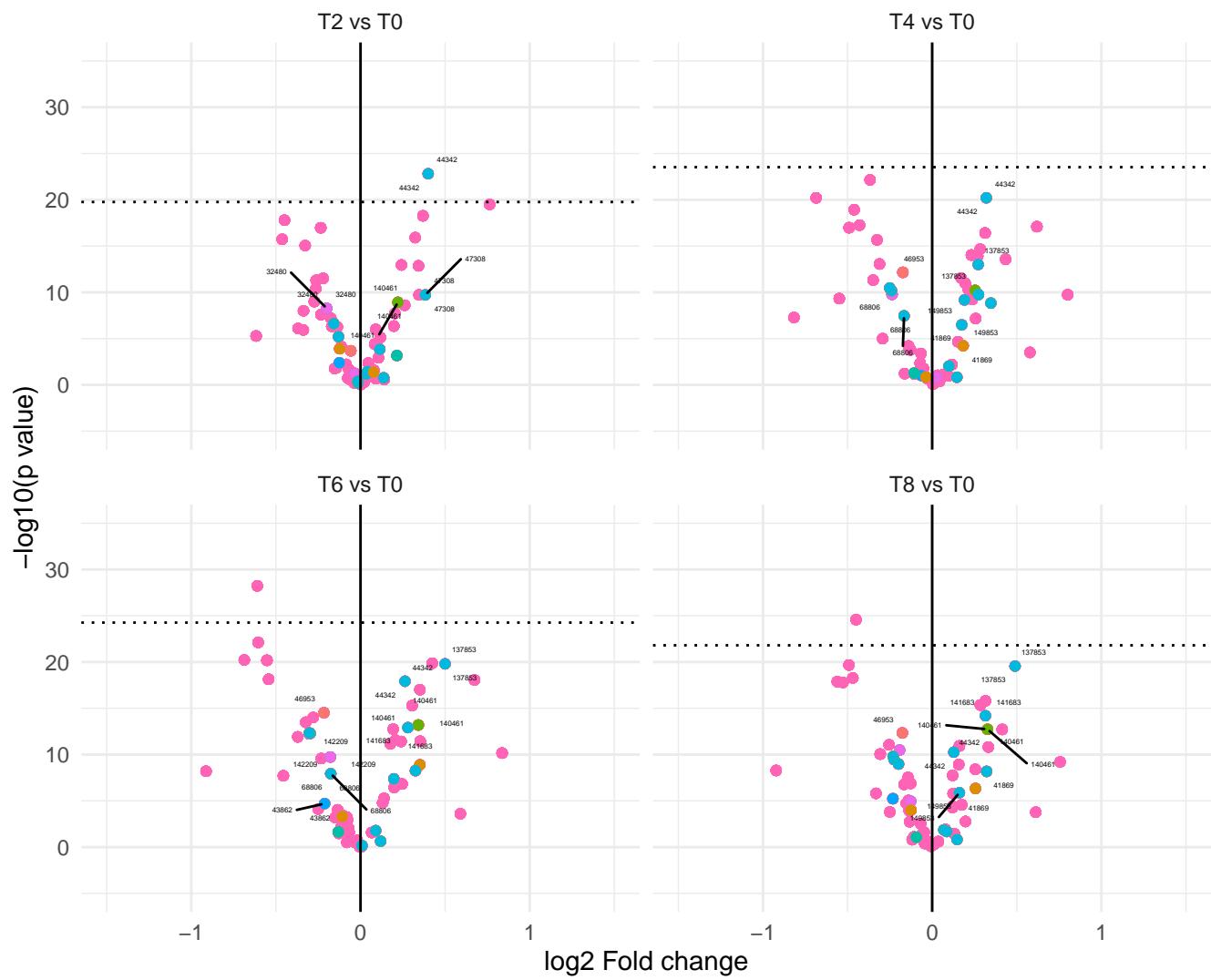
Cell motility



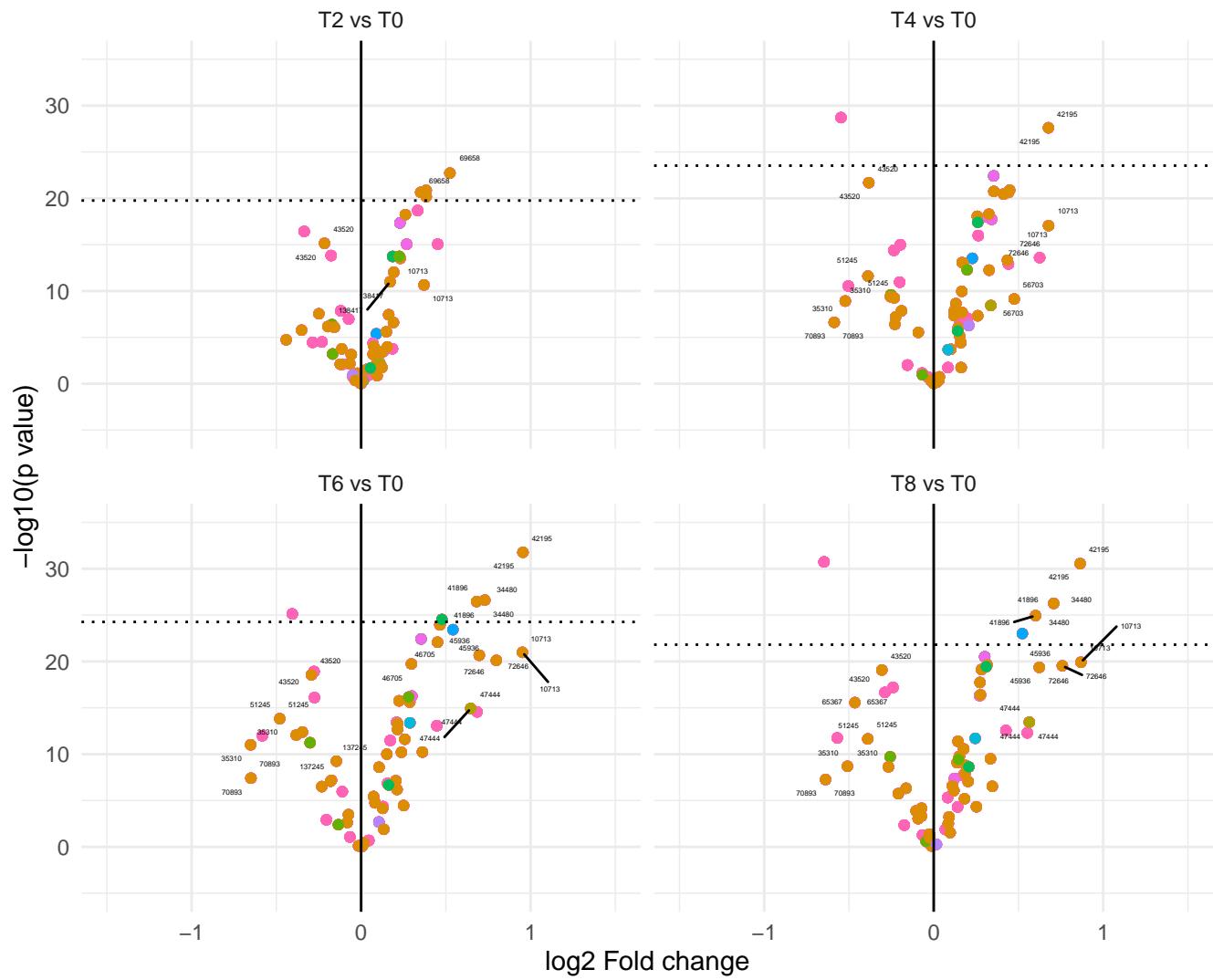
Cell wall/membrane/envelope biogenesis



Chromatin structure and dynamics

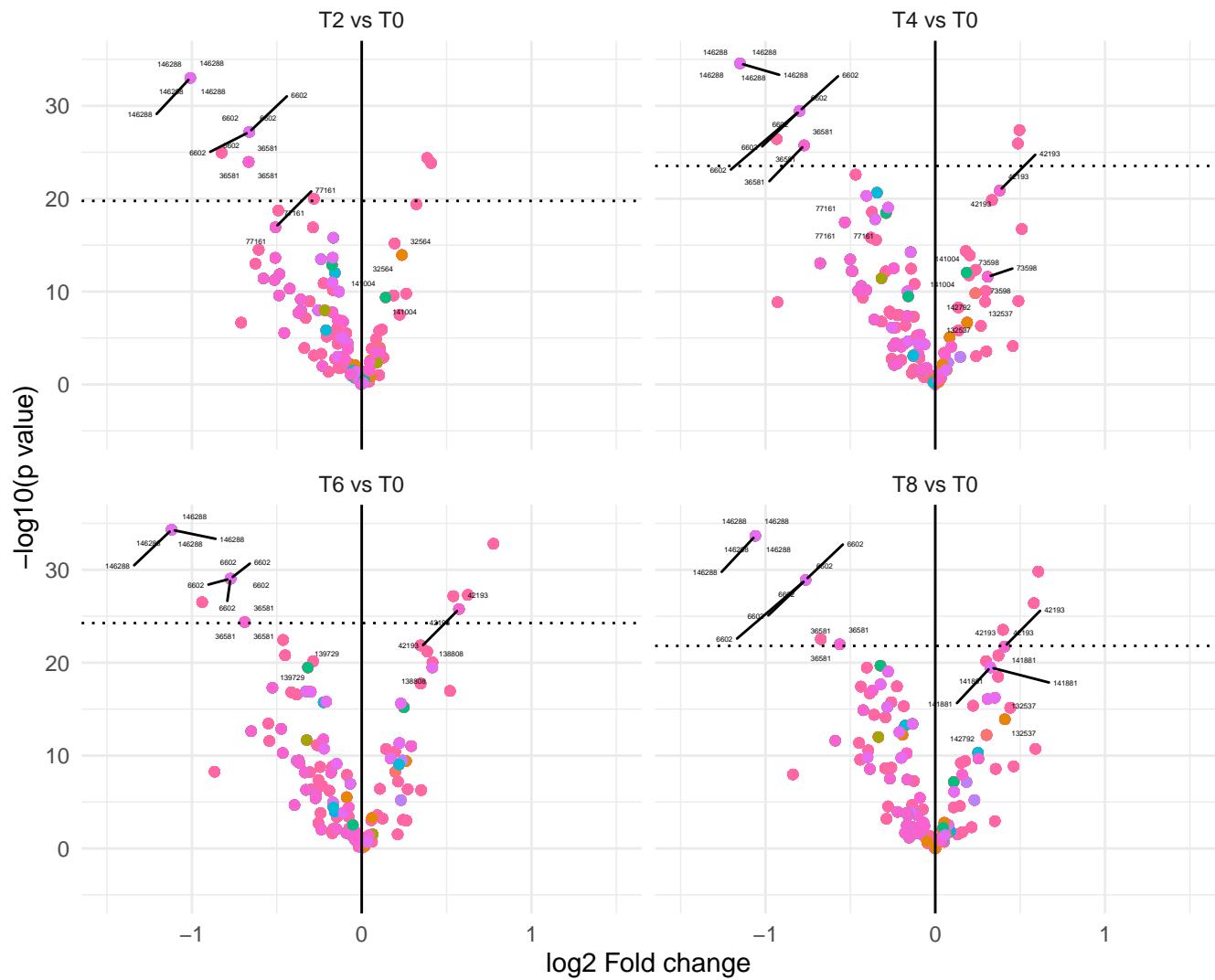


Coenzyme transport and metabolism



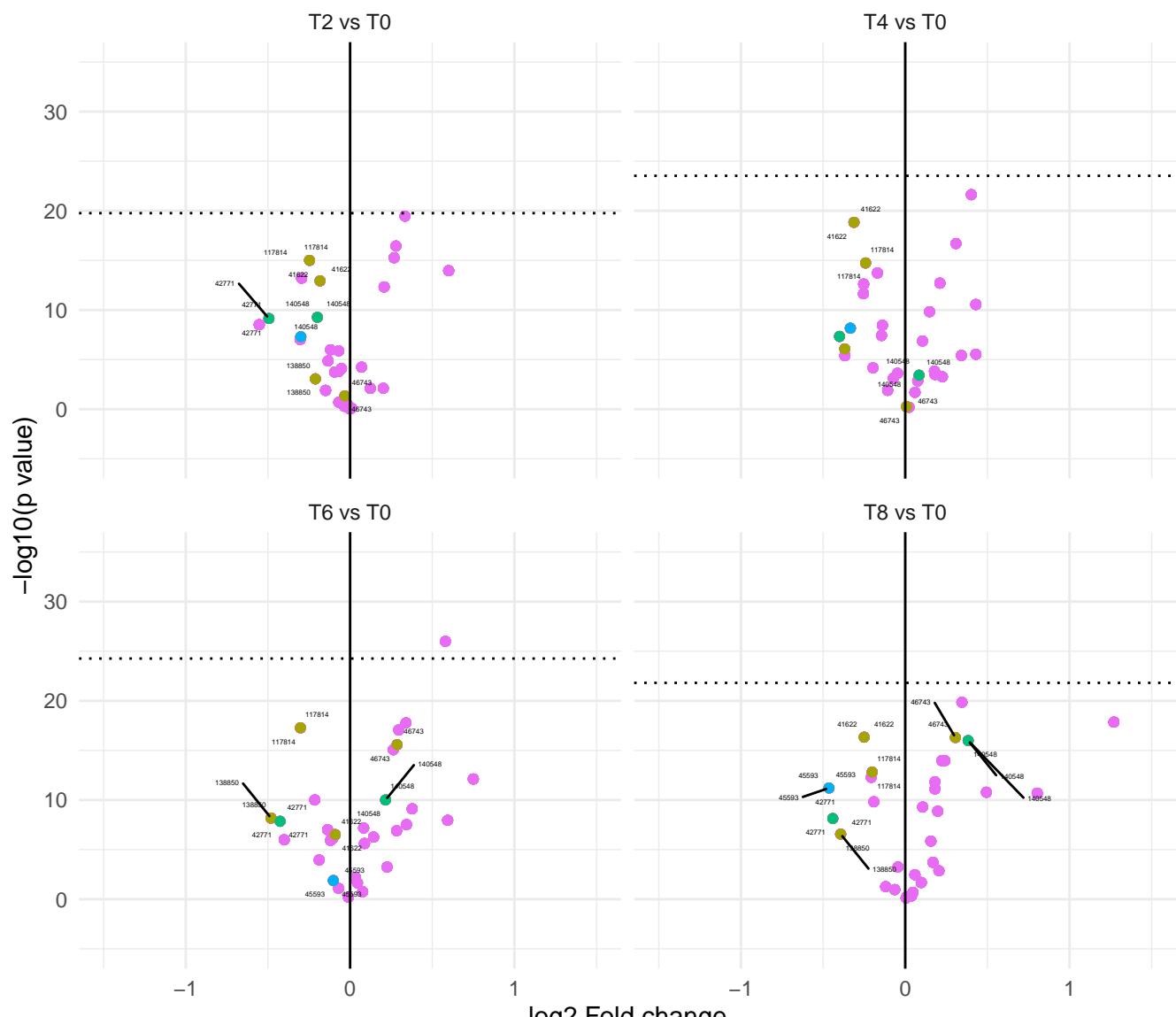
ko_values	● ko00001	● ko01006	● ko03029	● ko04147
	● ko01000	● ko01007	● ko03110	● NA
	● ko01002	● ko01009	● ko04121	

Cytoskeleton



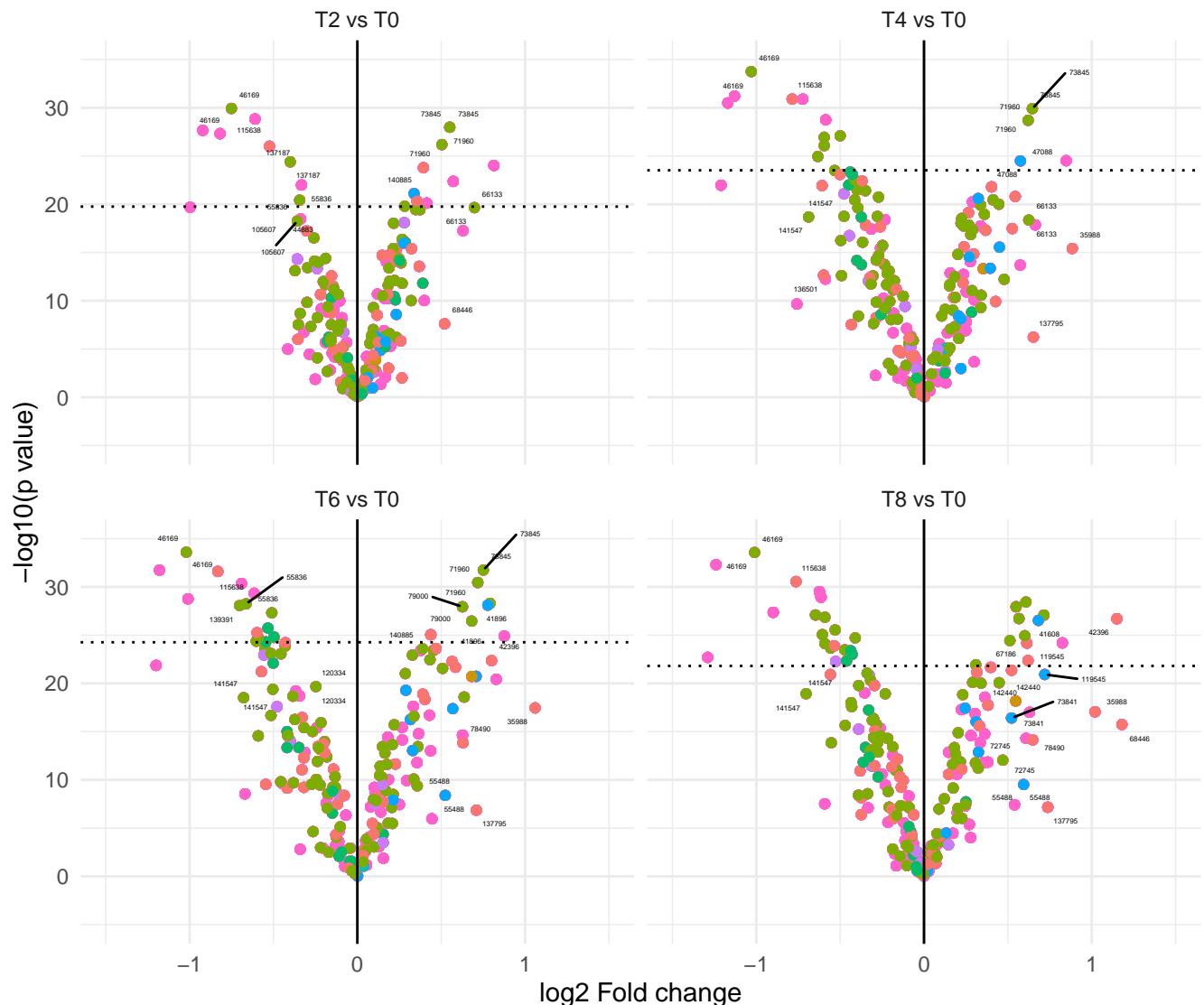
ko_values	● ko00001	● ko03009	● ko03029	● ko04031	● ko04147
	● ko01000	● ko03019	● ko03036	● ko04121	● ko04812
	● ko01009	● ko03021	● ko03037	● ko04131	● NA

Defense mechanisms



ko values • ko00001 • ko01000 • ko01002 • ko04147 • NA

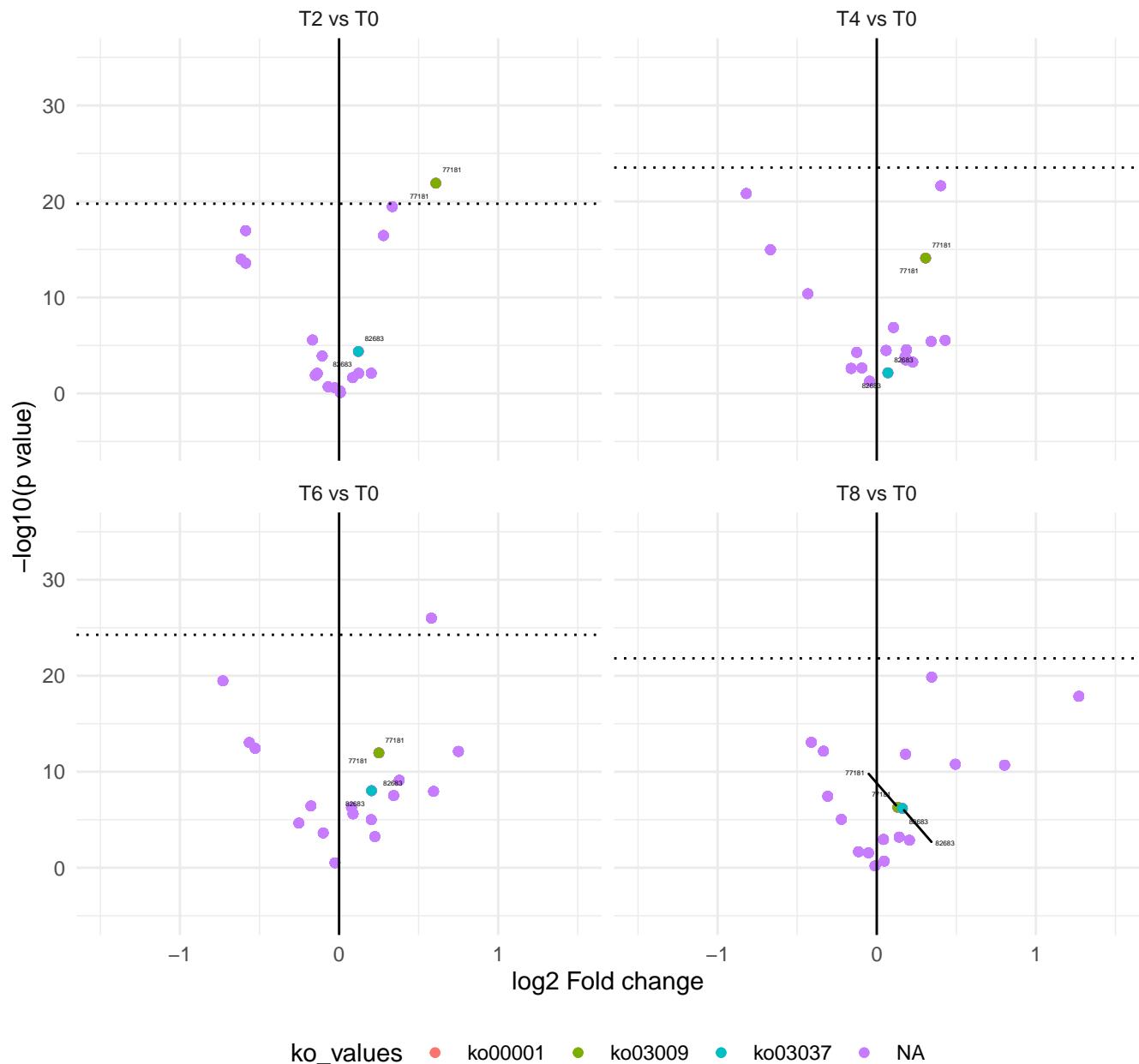
Energy production and conversion



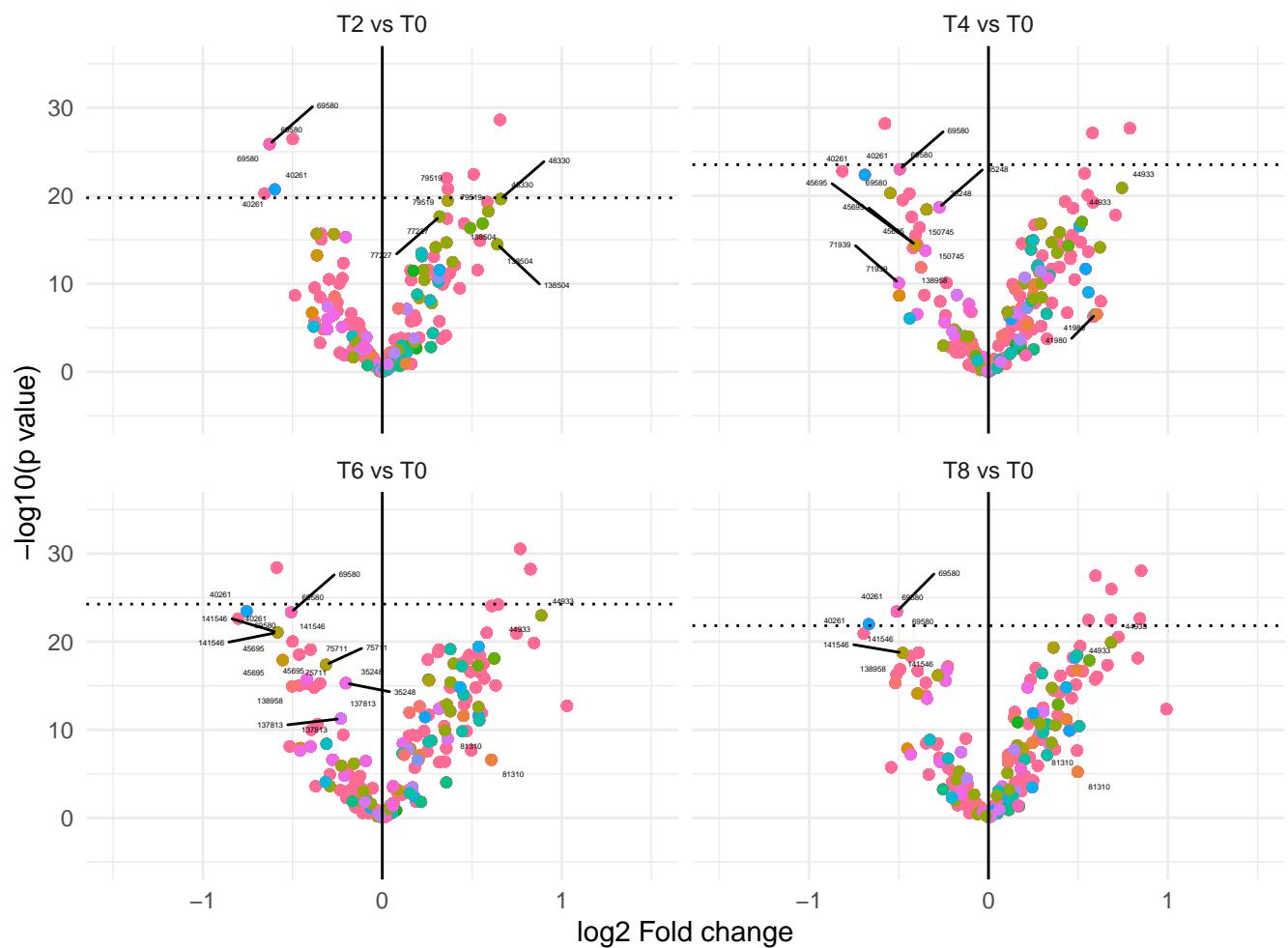
ko_values

-

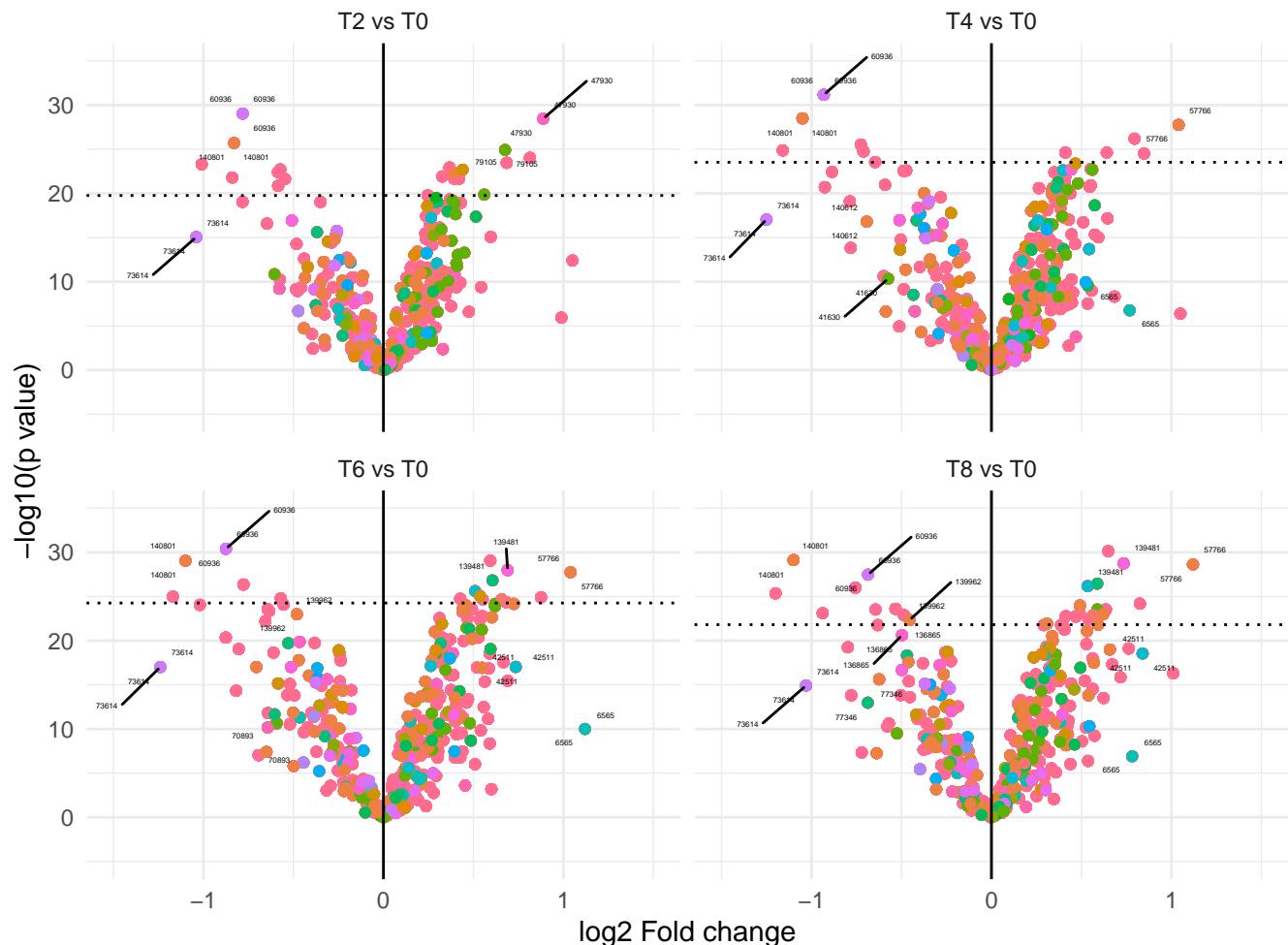
Extracellular structures



Function unknown

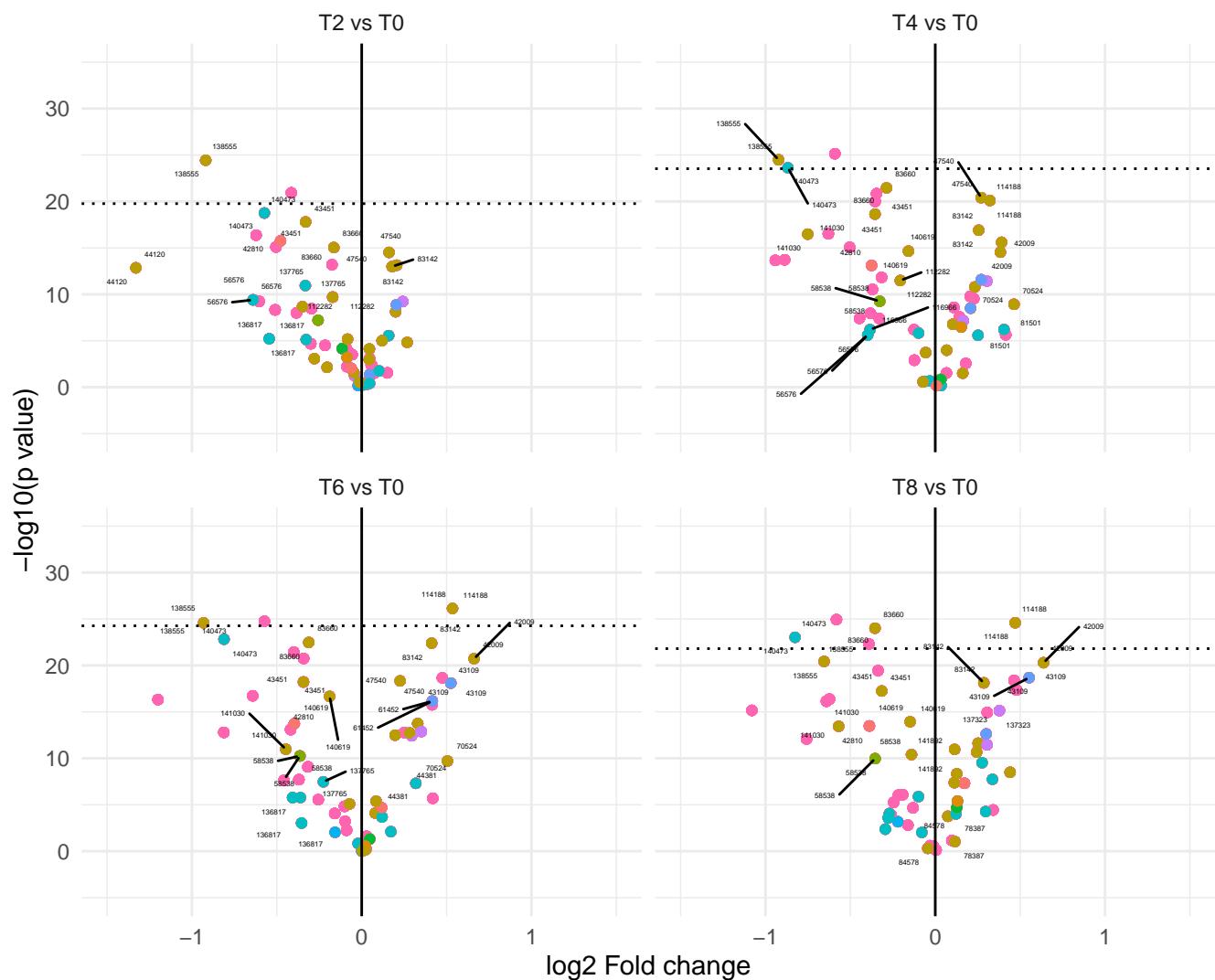


General function prediction only

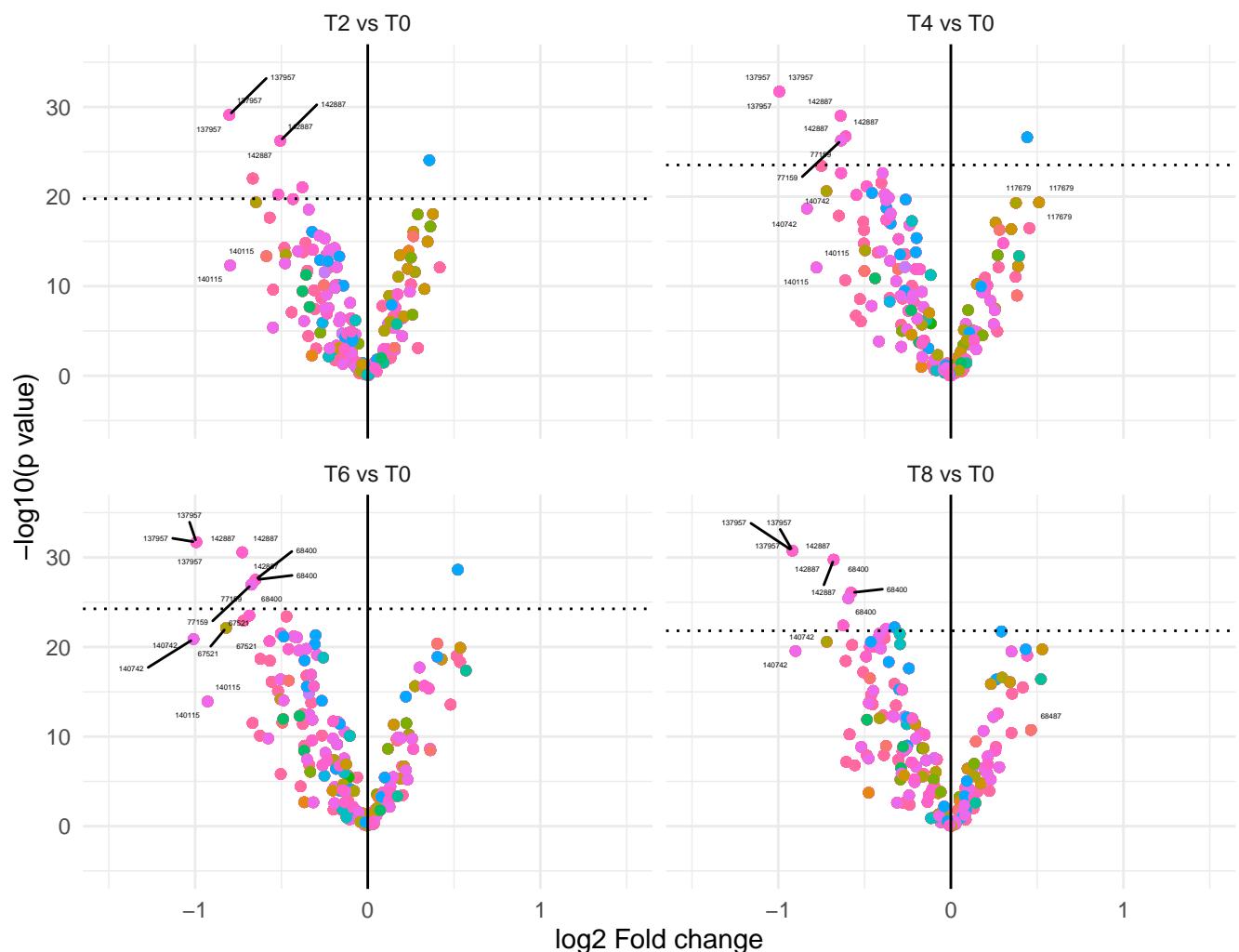


- | | | | | |
|-----------|-----------|-----------|-----------|-----------|
| ● ko00001 | ● ko01009 | ● ko03019 | ● ko03041 | ● ko04121 |
| ● ko01000 | ● ko02000 | ● ko03021 | ● ko03051 | ● ko04131 |
| ● ko01001 | ● ko03009 | ● ko03029 | ● ko03110 | ● ko04147 |
| ● ko01002 | ● ko03012 | ● ko03036 | ● ko03400 | ● ko04812 |
| ● ko01003 | ● ko03016 | ● ko03037 | ● ko04031 | ● NA |

Inorganic ion transport and metabolism



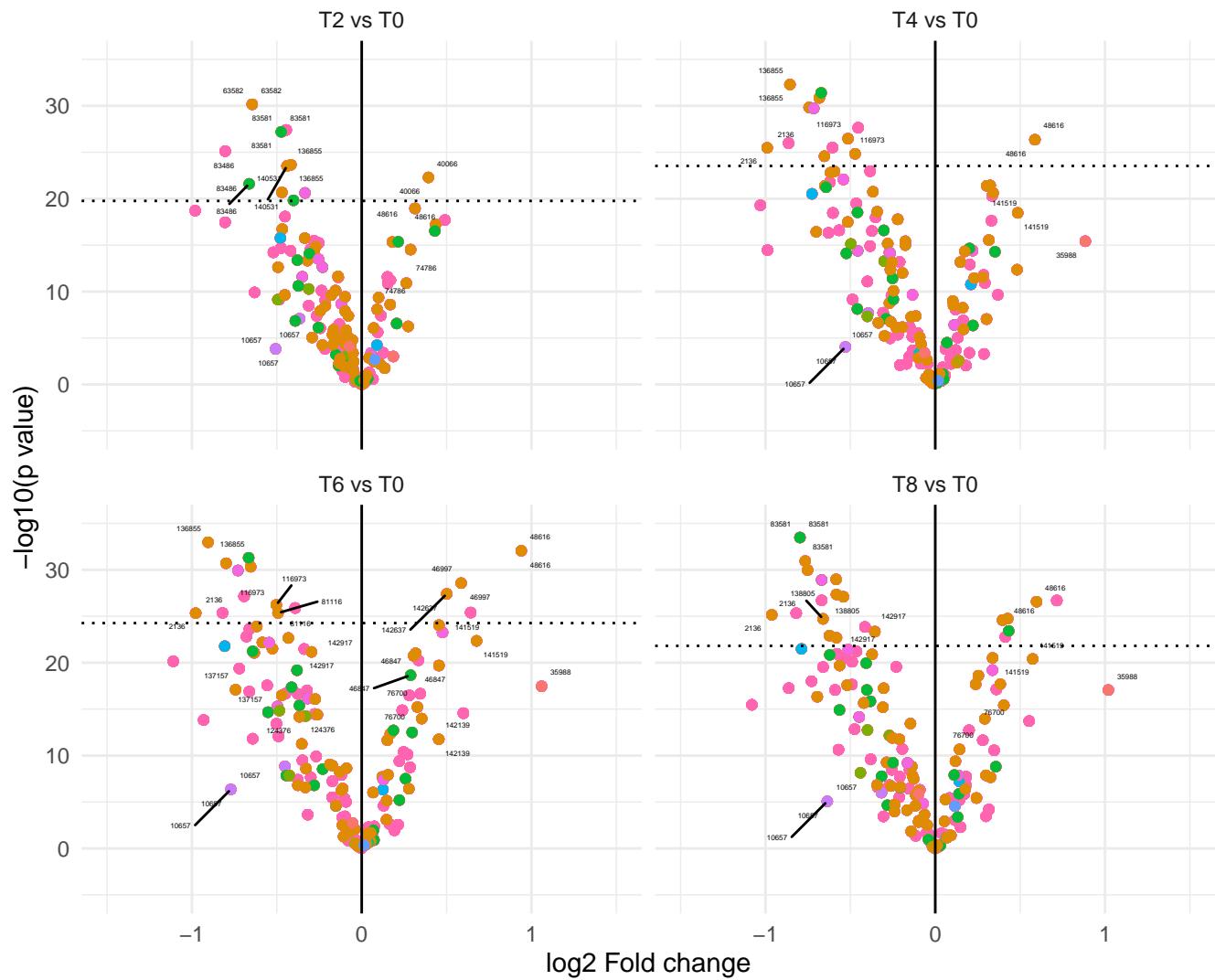
Intracellular trafficking, secretion, and vesicular transport



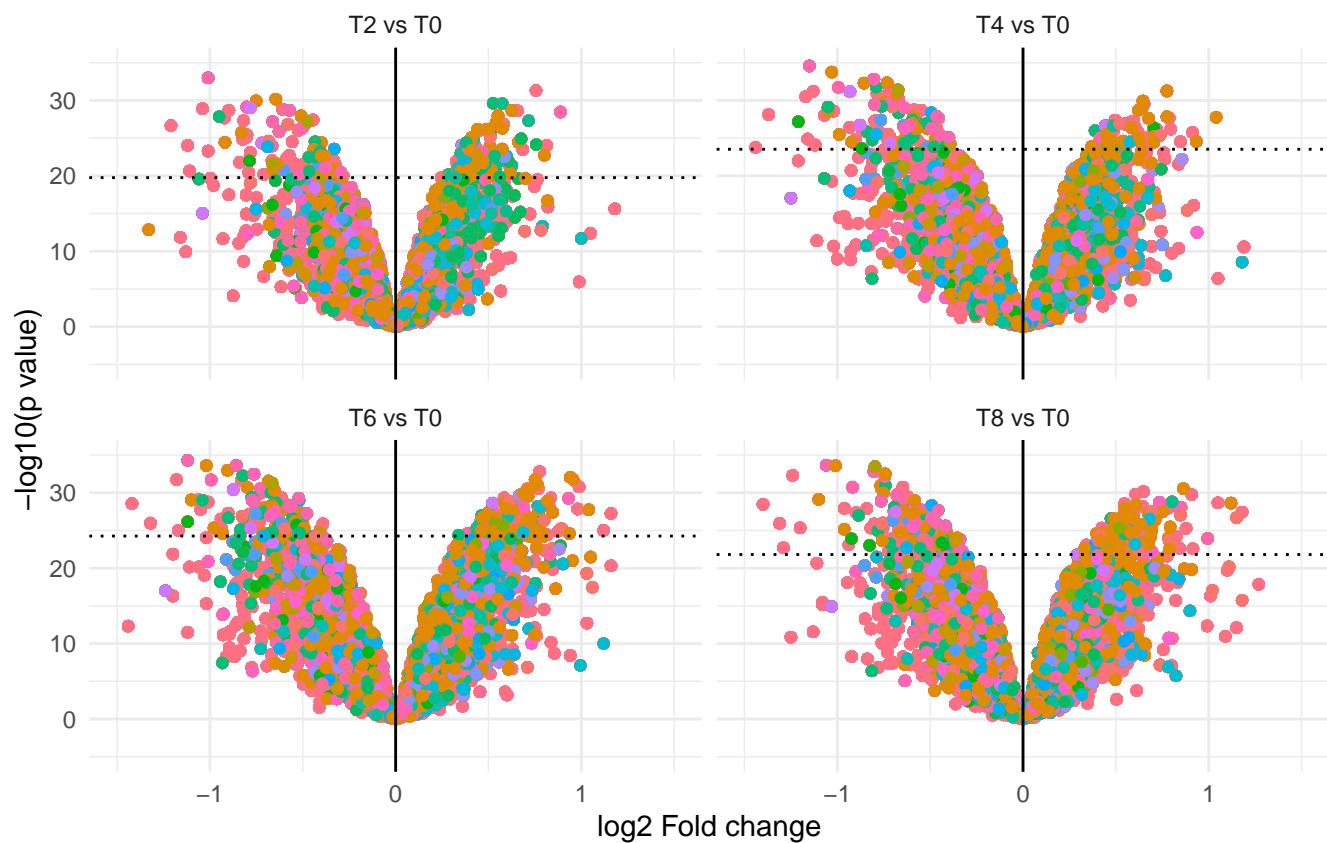
ko_values

-

Lipid transport and metabolism



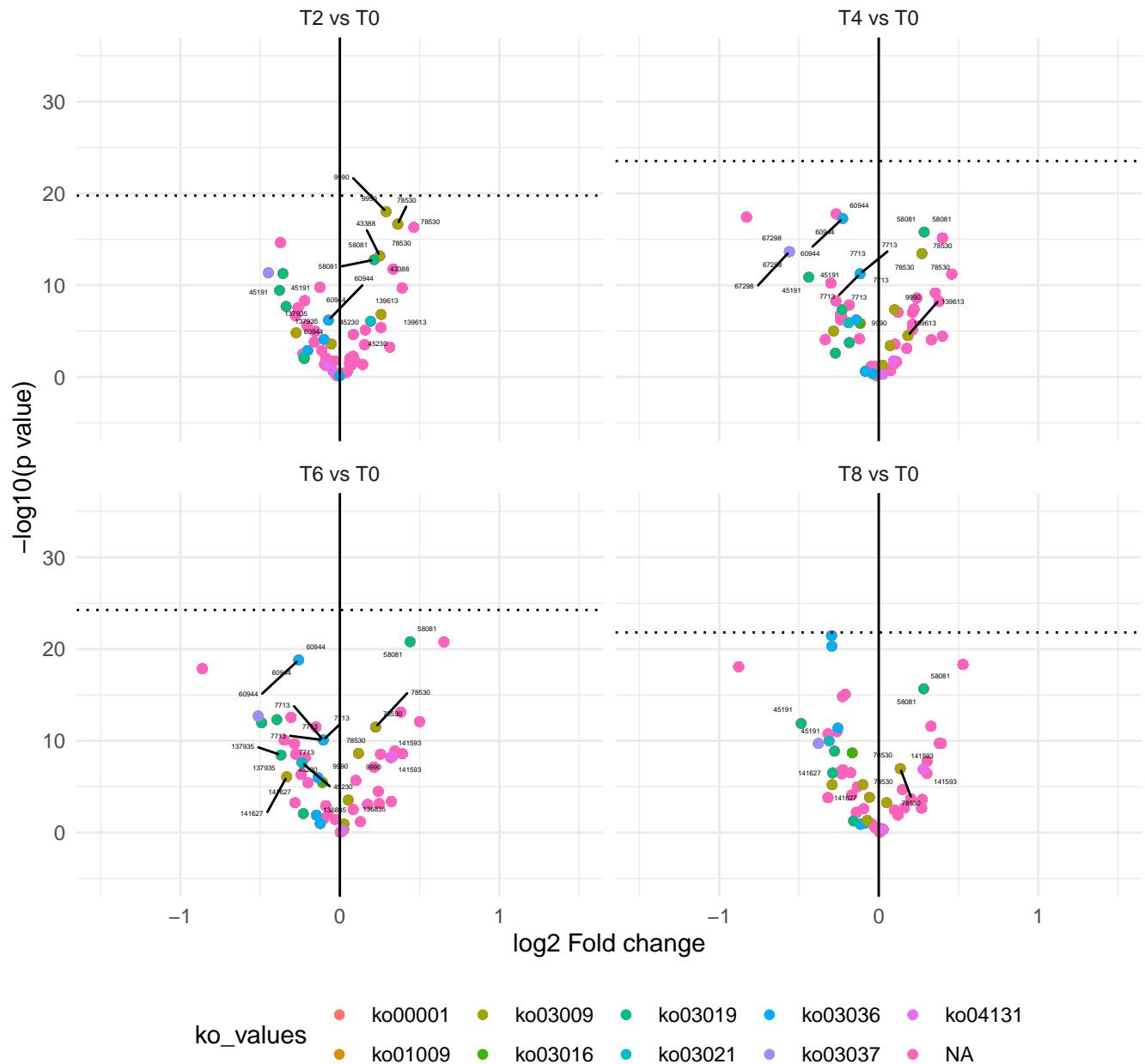
NA



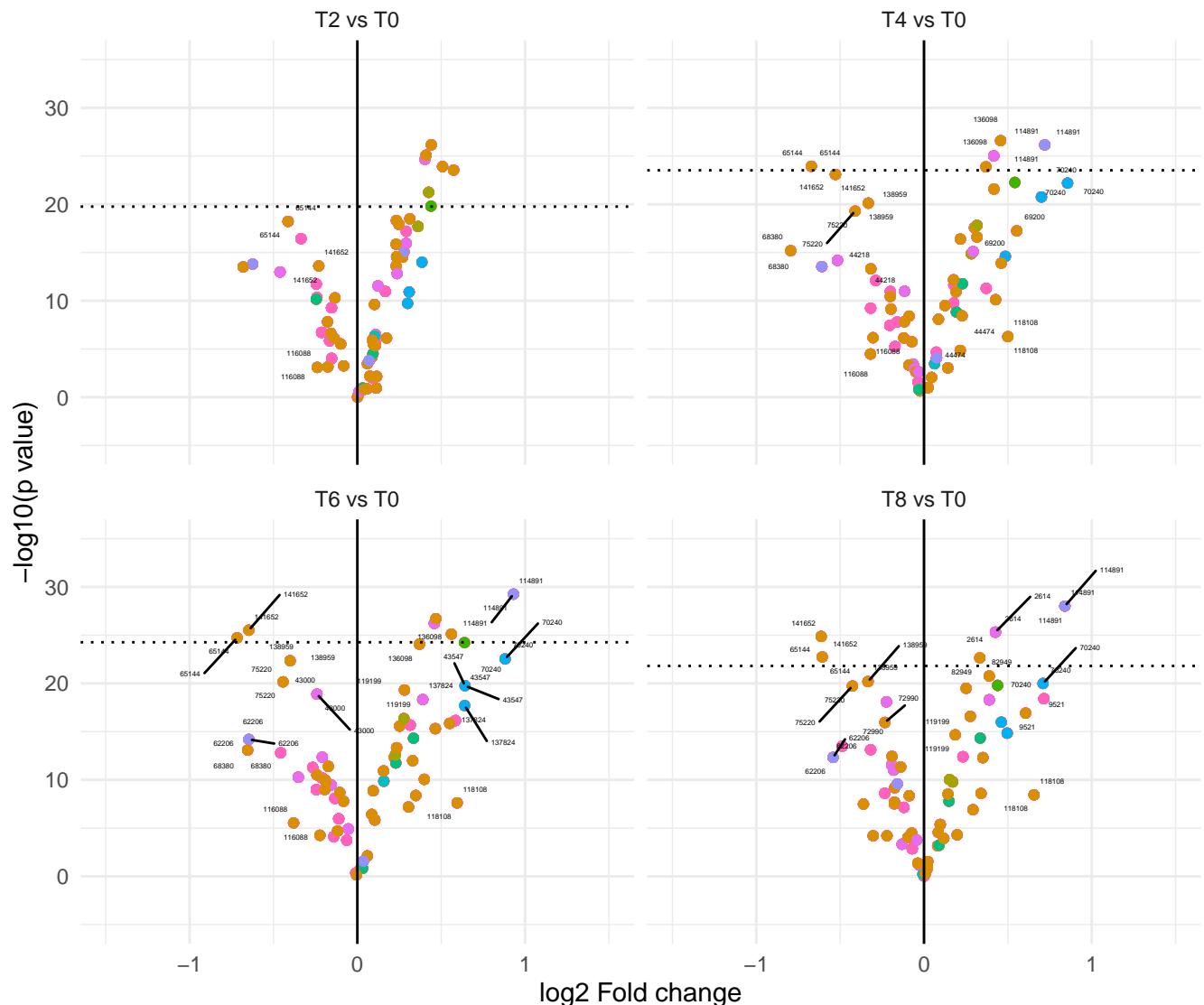
ko_values

- | | | | | |
|-----------|-----------|-----------|-----------|-----------|
| ● ko00001 | ● ko01006 | ● ko03012 | ● ko03041 | ● ko04091 |
| ● ko00536 | ● ko01007 | ● ko03016 | ● ko03051 | ● ko04121 |
| ● ko00537 | ● ko01008 | ● ko03019 | ● ko03110 | ● ko04131 |
| ● ko01000 | ● ko01009 | ● ko03021 | ● ko03400 | ● ko04147 |
| ● ko01001 | ● ko02000 | ● ko03029 | ● ko04030 | ● ko04812 |
| ● ko01002 | ● ko02044 | ● ko03032 | ● ko04031 | ● NA |
| ● ko01003 | ● ko03009 | ● ko03036 | ● ko04054 | |
| ● ko01004 | ● ko03011 | ● ko03037 | ● ko04090 | |

Nuclear structure



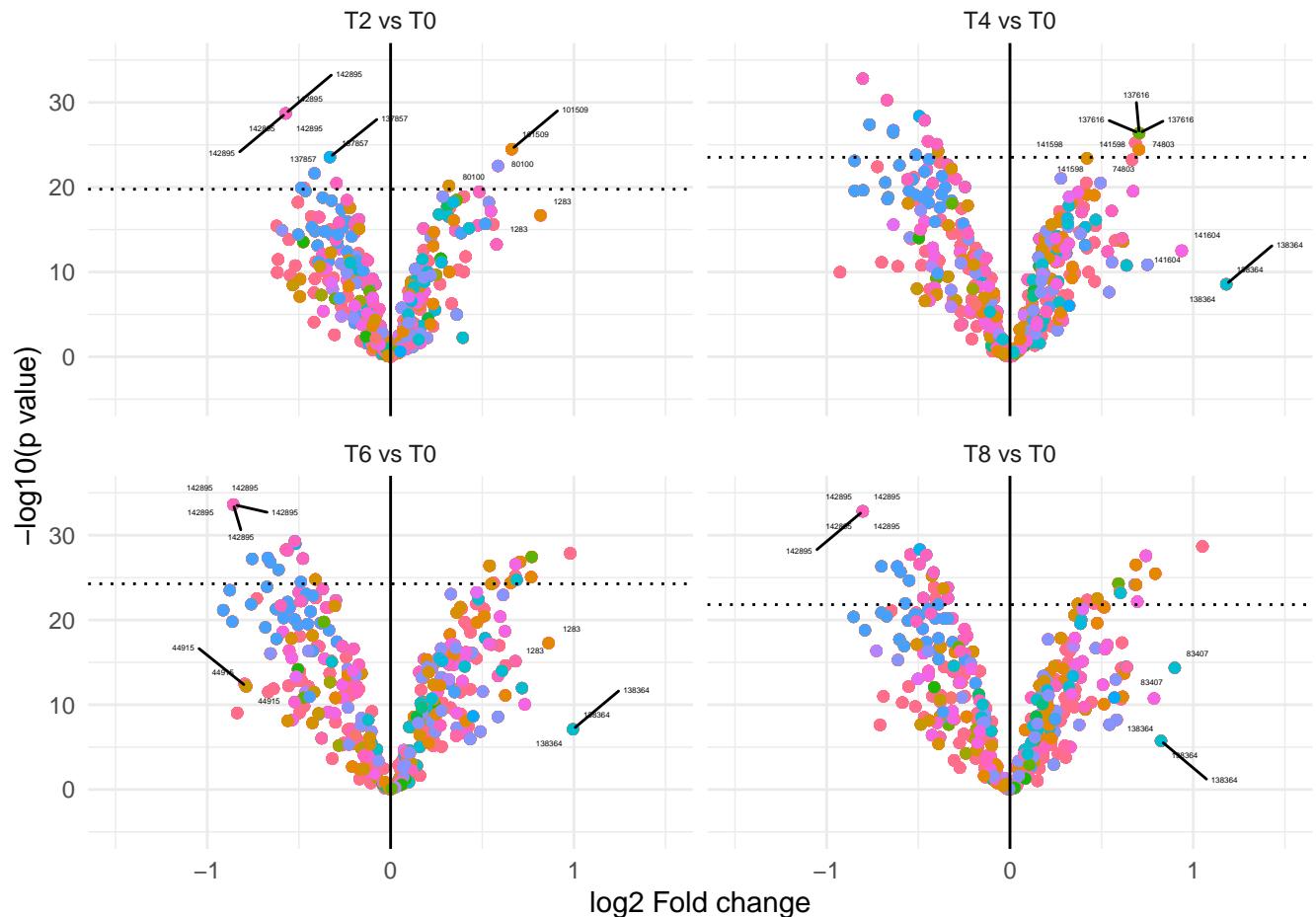
Nucleotide transport and metabolism



ko_values

-

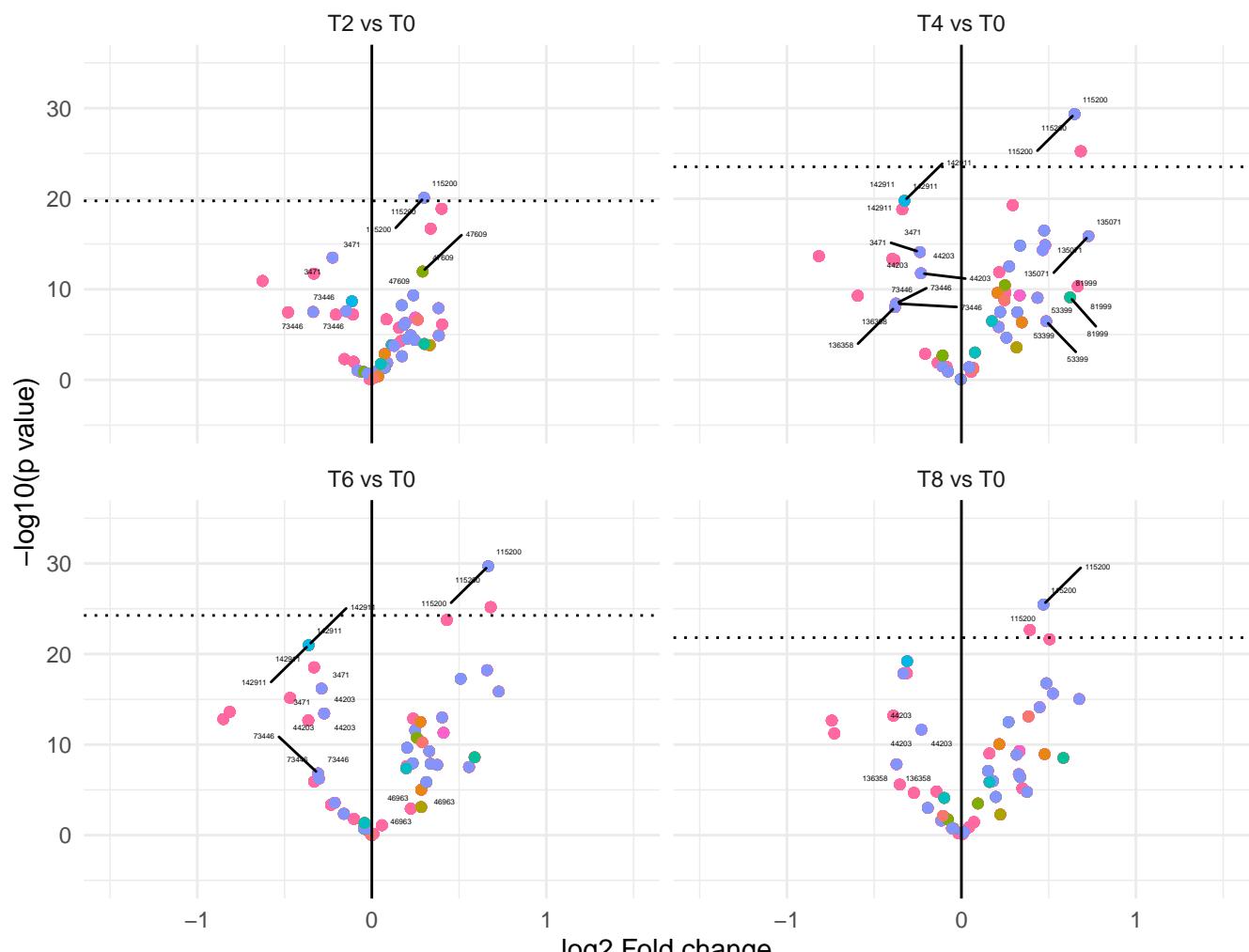
Posttranslational modification, protein turnover, chaperones



A circular color scale legend titled "ko_values". The legend shows a gradient of colors corresponding to different values. The colors range from light yellow (low values) through orange, red-orange, and red to dark red (high values). The legend is arranged in a circle with five segments, each containing a colored dot and a corresponding label.

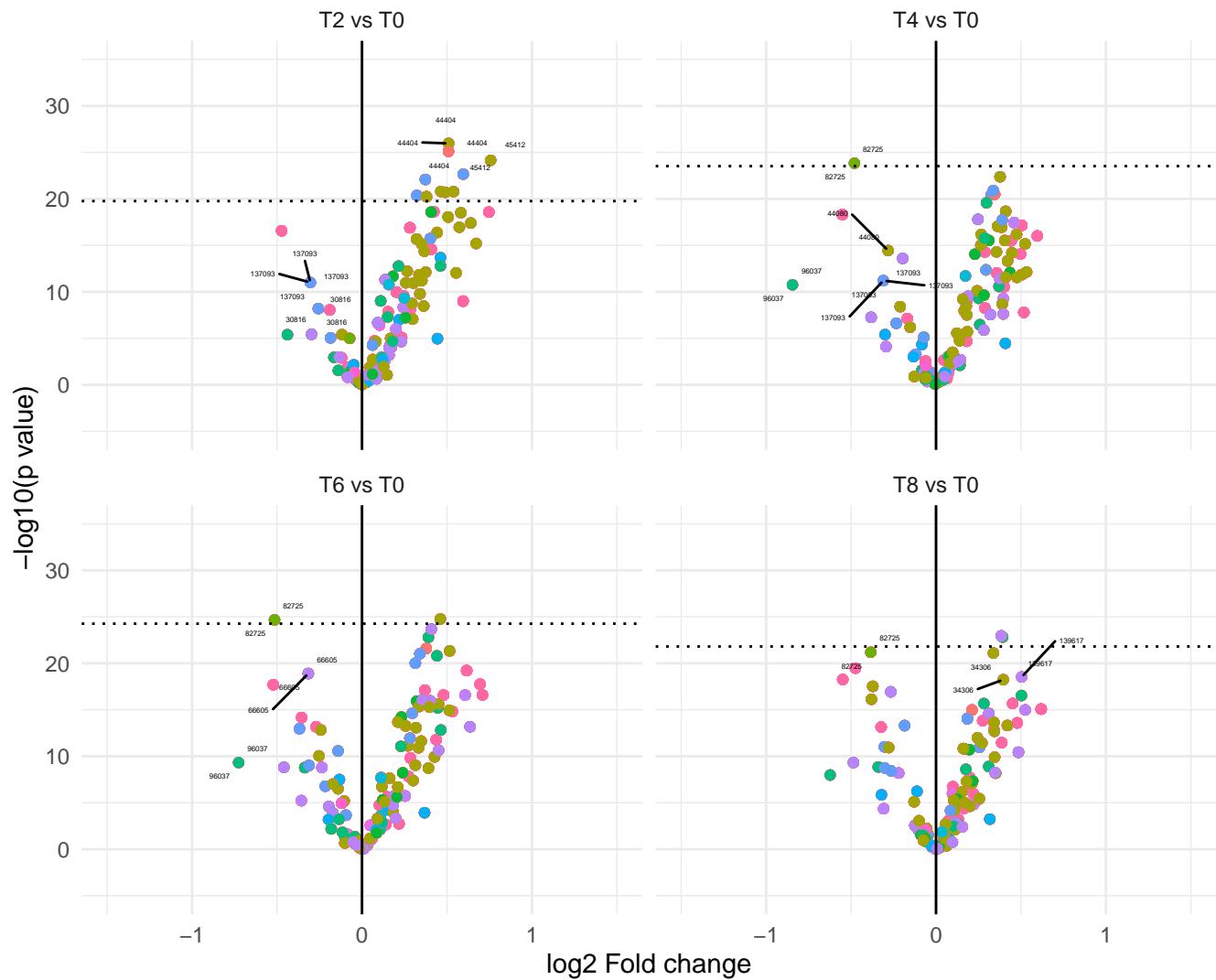
ko_values	ko00536	ko01009	ko03019	ko03051	ko04131
	● ko01000	● ko02000	● ko03021	● ko03110	● ko04147
	● ko01002	● ko02044	● ko03029	● ko03400	● ko04812
	● ko01003	● ko03009	● ko03036	● ko04090	● NA
	● ko01006	● ko03012	● ko03037	● ko04091	

Replication, recombination and repair



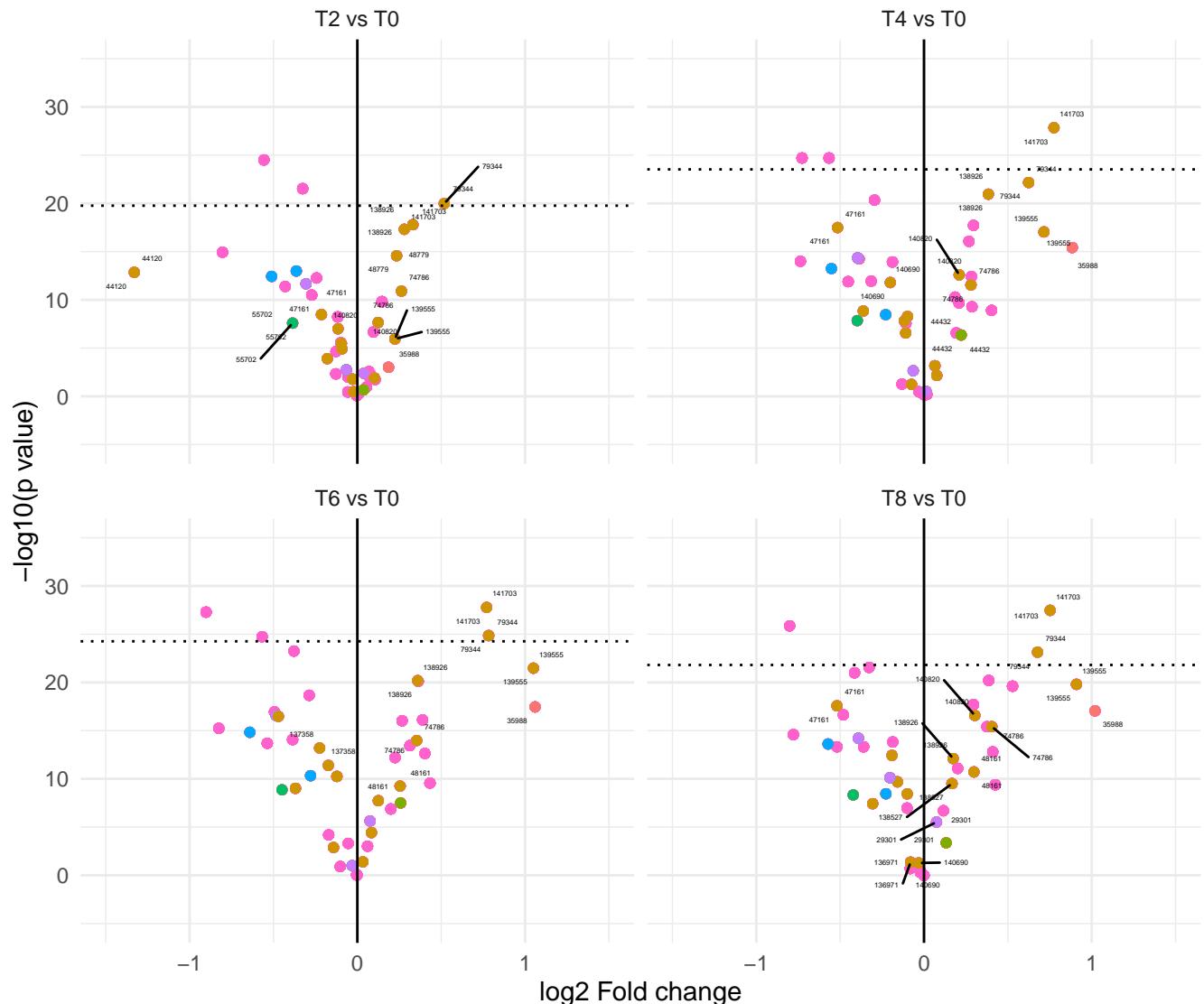
ko_values

RNA processing and modification



ko_values	ko00001	ko03009	ko03019	ko03032	ko03400
	ko01000	ko03011	ko03021	ko03036	ko04121
	ko01009	ko03016	ko03029	ko03041	NA

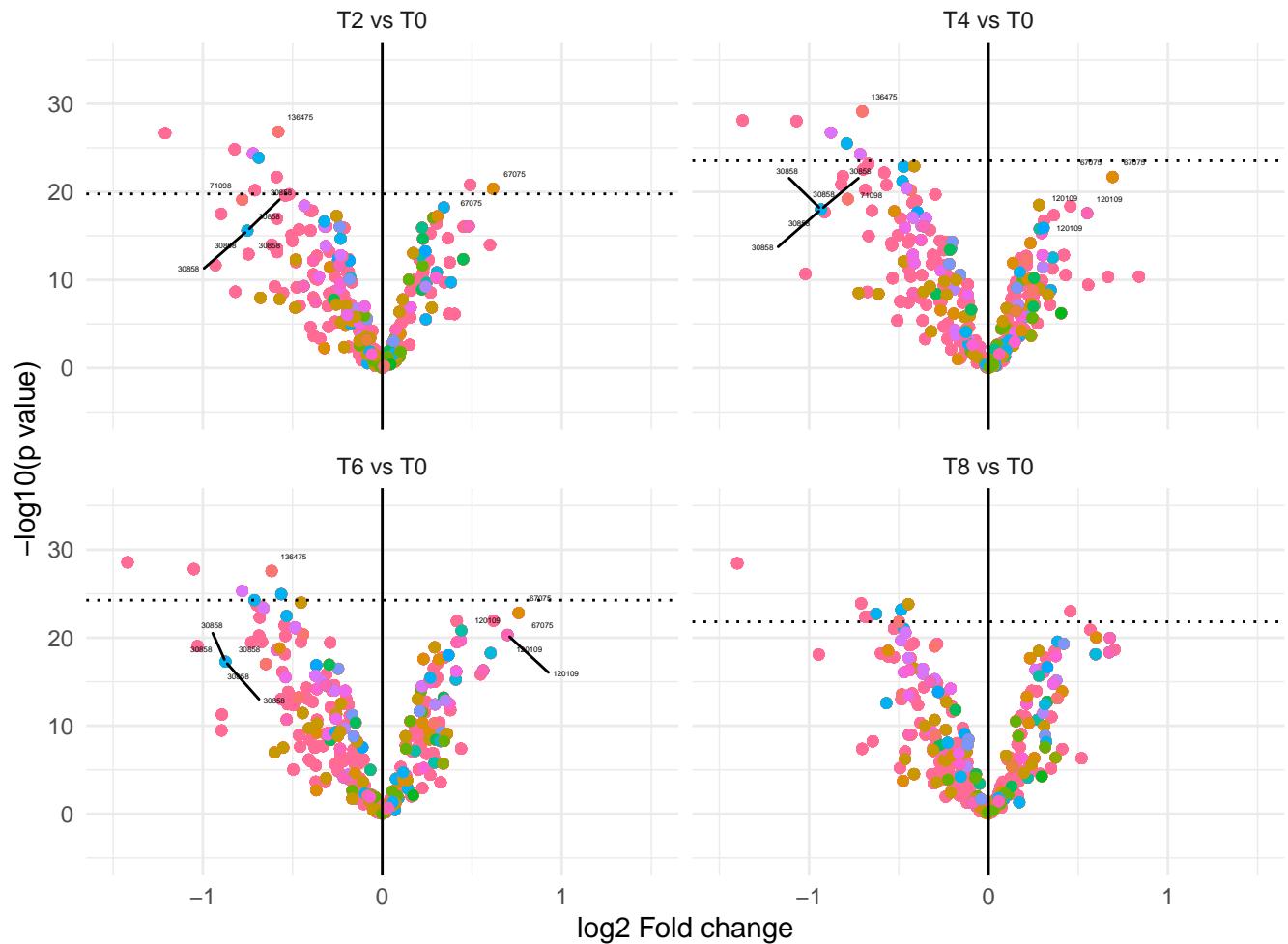
Secondary metabolites biosynthesis, transport and catabolism



ko values

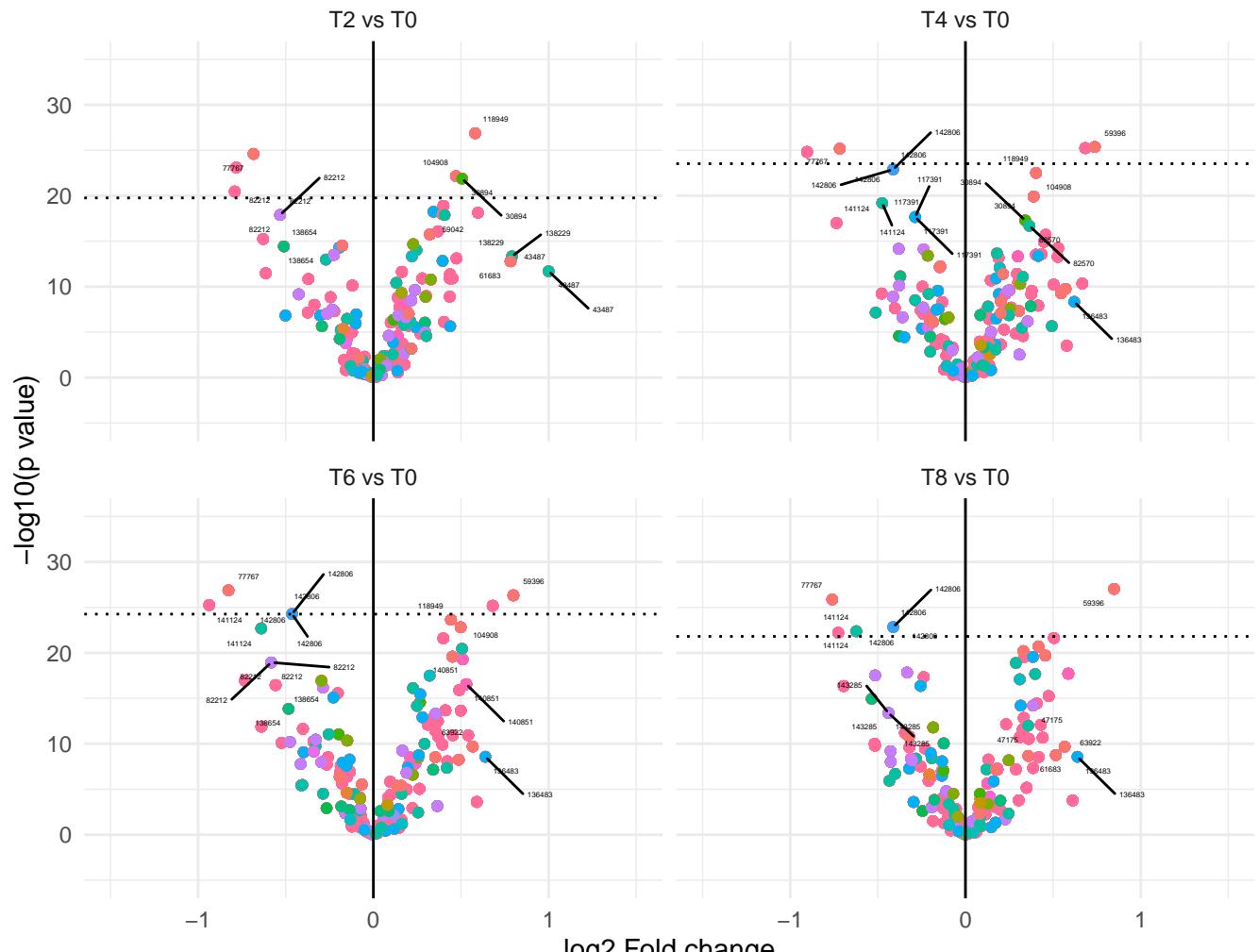
-

Signal transduction mechanisms



- | | | | | |
|--|---|---|---|---|
| ko_values <ul style="list-style-type: none"> ko00001 ko00536 ko01000 ko01001 ko01002 | <ul style="list-style-type: none"> ko01007 ko01009 ko02000 ko03009 ko03012 | <ul style="list-style-type: none"> ko03019 ko03021 ko03029 ko03036 ko03041 | <ul style="list-style-type: none"> ko03400 ko04030 ko04031 ko04121 ko04131 | <ul style="list-style-type: none"> ko04147 NA |
|--|---|---|---|---|

Transcription



- | | | | | | |
|-----------|---------|---------|---------|---------|---------|
| ko_values | ko00001 | ko02000 | ko03019 | ko03036 | ko04121 |
| | ko01000 | ko03009 | ko03021 | ko03037 | ko04131 |
| | ko01001 | ko03012 | ko03029 | ko03041 | ko04147 |
| | ko01009 | ko03016 | ko03032 | ko03400 | NA |

Translation, ribosomal structure and biogenesis

