Supplementary Table S1a: New associations

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| --- | --- |
| SFP1 | Complex Alcohol Metabolism |
| HSF1 | Fatty Acid Degradation |
| XBP1 | Glycerolipid Metabolism |
| FKH2 | Glycerolipid Metabolism |
| ASH1 | Glycolysis Gluconeogenesis |
| MSN2 | Glycoprotein Metabolism |
| GIS1 | Glycoprotein Metabolism |
| MSN4 | Glycoprotein Metabolism |
| PHO4 | Glycoprotein Metabolism |
| YER130c | Glycoprotein Metabolism |
| RPH1 | Glycoprotein Metabolism |
| YAP1 | NAD Biosynthesis |
| GZF3 | Other Amino Acid Metabolism |
| ADR1 | Pentose Phosphate Pathway |
| HSF1 | Phospholipid Biosynthesis |
| YAP1 | Phospholipid Biosynthesis |
| HSF1 | Porphyrin and Chlorophyll Metabolism |
| RTG3 | Thiamine Metabolism |
| FKH2 | Thiamine Metabolism |
| NRG1 | Thiamine Metabolism |
| FKH1 | Thiamine Metabolism |
| SFP1 | Thiamine Metabolism |
| ASH1 | Transport Extracellular |
| BAS1 | Transport Extracellular |
| FKH1 | Transport Extracellular |
| ADR1 | Transport Extracellular |
| GIS1 | Transport Extracellular |
| FKH2 | Transport Extracellular |
| GLN3 | Transport Extracellular |
| SFP1 | Transport Extracellular |
| PHO4 | Transport Extracellular |
| RTG3 | Transport Extracellular |
| NRG1 | Transport Extracellular |
| MSN2 | Transport Extracellular |
| XBP1 | Transport Extracellular |
| GZF3 | Transport Extracellular |
| MSN4 | Transport Extracellular |
| RPH1 | Transport Extracellular |
| FKH2 | tRNA charging |
| FKH1 | tRNA charging |

Supplementary Table S1b: Associations removed

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| --- | --- |
| SKN7 | Alternate Carbon Metabolism |
| CRZ1 | Alternate Carbon Metabolism |
| BAS1 | Arginine and Proline Metabolism |
| GIS1 | Citric Acid Cycle |
| MSN4 | Citric Acid Cycle |
| MSN4 | Fatty Acid Degradation |
| MSN2 | Fatty Acid Degradation |
| YAP1 | Glutamate metabolism |
| GIS1 | Pentose Phosphate Pathway |
| YER130c | Pentose Phosphate Pathway |
| RPH1 | Pentose Phosphate Pathway |
| PHO4 | Pentose Phosphate Pathway |
| MSN4 | Pentose Phosphate Pathway |
| PHO4 | Phospholipid Biosynthesis |
| BAS1 | Purine and Pyrimidine Biosynthesis |
| GIS1 | Pyruvate Metabolism |
| YER130c | Pyruvate Metabolism |
| MSN4 | Pyruvate Metabolism |
| YRR1 | Sphingolipid Metabolism |
| SFP1 | Sterol Metabolism |
| SFP1 | Valine Leucine and Isoleucine Metabolism |