Loss of ncm^5 and mcm^5 wobble uridine side chains results in an altered metabolic profile

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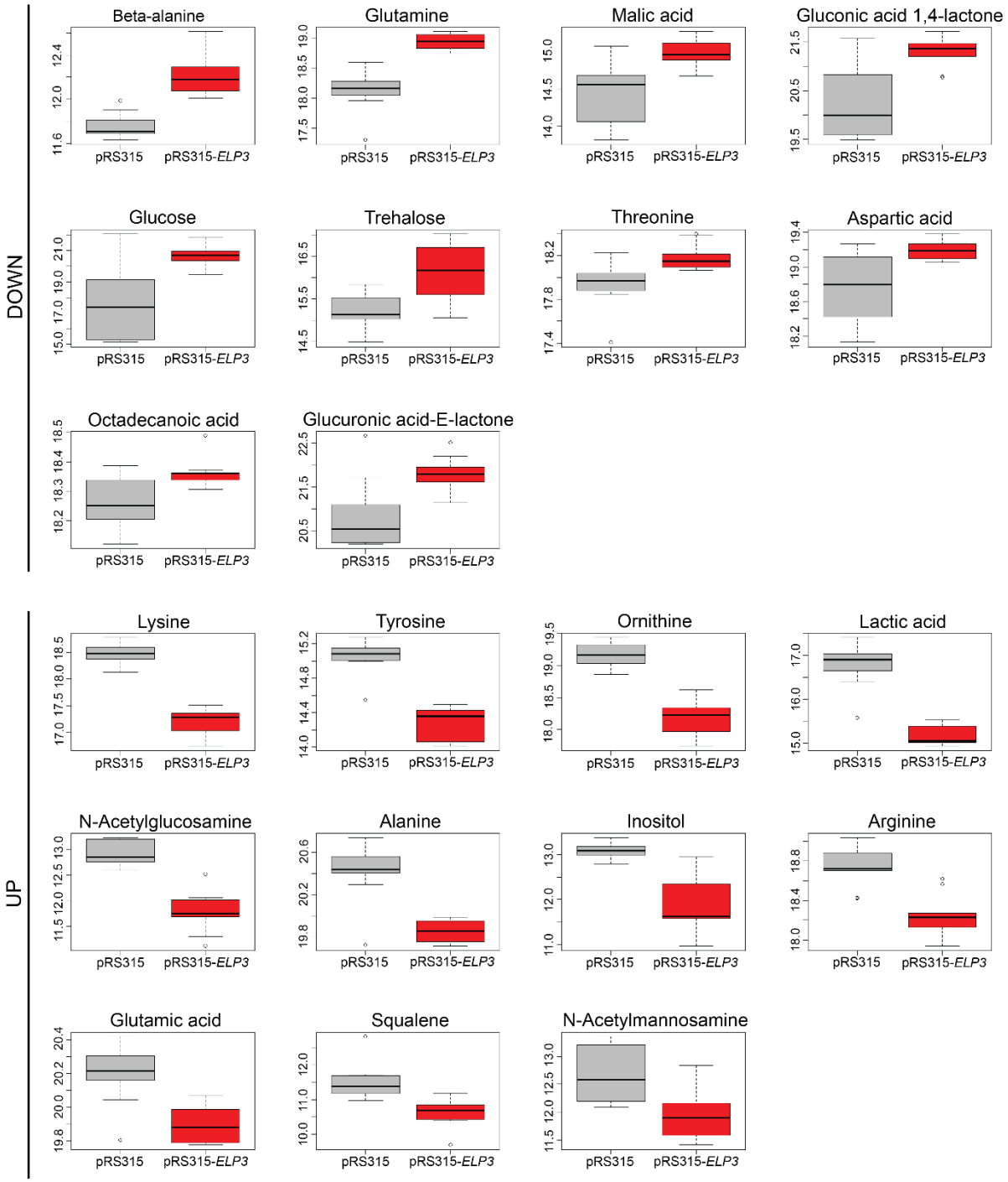

Online Resource 4. Levels of identified metabolites with a VIP score above 1 in the PLS-DA comparing the *elp3Δ*-l.c.-empty and *elp3Δ*-l.c.-ELP3 strains grown at 34°C. The *elp3Δ* strain containing either an empty low copy pRS315 vector or a pRS315 vector carrying the wild type *ELP3* gene was grown logarithmically to an OD_{600} of ~0.5 and harvested (see material and methods). Metabolites were extracted and then quantified using GC-TOF-MS. Values obtained were normalized and log2-transformed, and metabolic alterations were analyzed using PLS-DA. Metabolites shown have a VIP score >1. Metabolites were classified as either increasing (UP) or decreasing (DOWN) in the *elp3Δ* strain containing an empty low copy pRS315 vector when compared to the *elp3Δ* strain carrying the wild-type *ELP3* gene. Boxplots were generated using R software with the Y-axis displaying the relative intensity in log2-scale.