

## Loss of *ncm*<sup>5</sup> and *mcm*<sup>5</sup> wobble uridine side chains results in an altered metabolic profile

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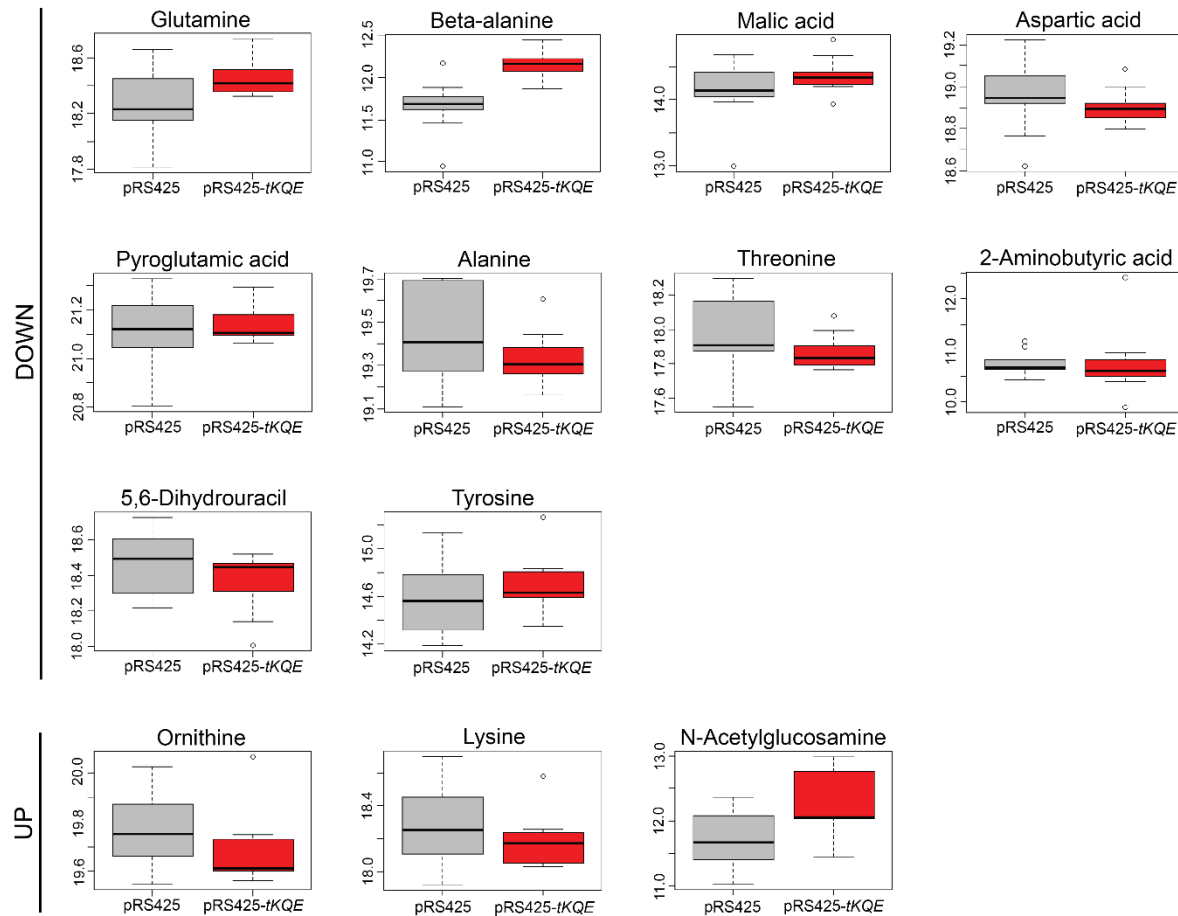
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**Online Resource 8. Suppression analysis comparing the *elp3Δ*-h.c.-empty and *elp3Δ*-h.c.-tKQE strains grown at 30°C.** The *elp3Δ* strain containing either an empty high copy pRS425 vector or a pRS425 high copy vector carrying the tRNA genes *tK(UUU)*, *tQ(UUG)* and *tE(UUC)* (pRS425-tKQE) was grown logarithmically to an OD<sub>600</sub> of ~0.5 and harvested (see material and methods). Metabolites were extracted and then quantified using GC-TOF-MS. Values obtained were normalized and log<sub>2</sub>-transformed, and metabolic alterations were analyzed using PLS-DA. Metabolites shown have a VIP score >1 in the PLS-DA model comparing the *elp3Δ*-l.c.-empty and *elp3Δ*-l.c.-ELP3 strains grown at 30°C. Metabolites were classified as either UP (increased) or DOWN (decreased) in the *elp3Δ*-l.c.-empty strain when compared with the *elp3Δ*-l.c.-ELP3 strain. Boxplots were generated using R software with the Y-axis displaying the relative intensity in log<sub>2</sub>-scale.