

Malonylome Analysis Reveals the Involvement of Lysine Malonylation in Metabolism and Photosynthesis in Cyanobacteria

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Table S1: Details of the identified malonylated peptides in *Synechocystis*.

Table S2: List of *Synechocystis* malonylome and other bacterial malonylomes.

Table S3: GO classification of malonylated proteins in *Synechocystis*.

Table S4: GO and pathway enrichment analysis of identified malonylated proteins in *Synechocystis*.

Table S5: Comparison of lysine malonylation sites in *Synechocystis* with those in other two organisms.

Table S6: List of malonylated proteins and the interacting proteins.

Table S7: List of KEGG pathways represented by the identified malonylated proteins.

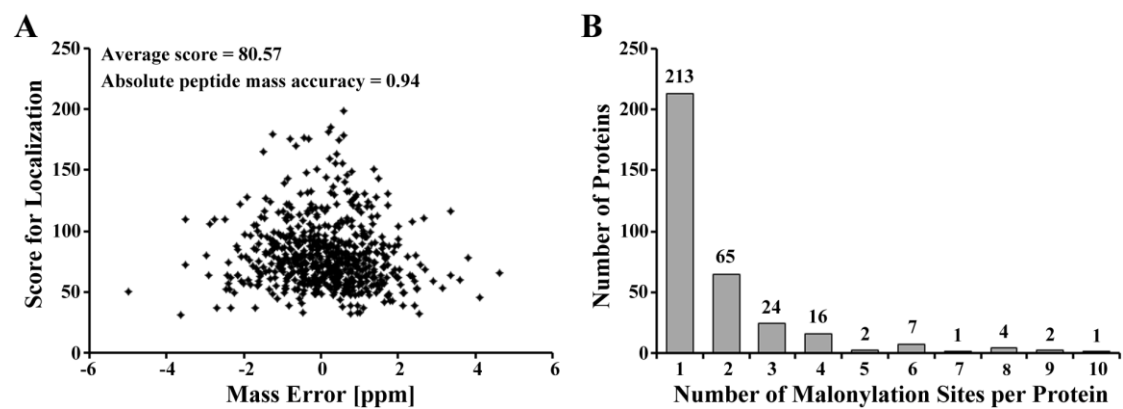
Table S8: Comparison of lysine malonylome with acetylome in *Synechocystis*.

Table S9: List of KEGG pathways represented by the acetylated and malonylated proteins in *Synechocystis*.

Figure S1: Evaluation of the quality of proteomic data. (A) Peptide score and mass error statistics for malonylated peptides. (B) Histogram illustrating the number of malonylation sites identified per protein.

Figure S2: Protein-protein interaction (PPI) network of all identified malonylated proteins.

Supplemental Figure S1



Supplemental Figure S2

