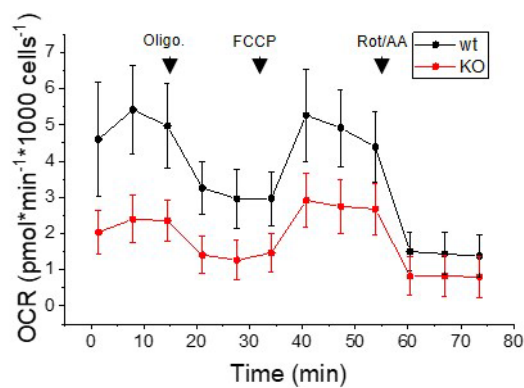


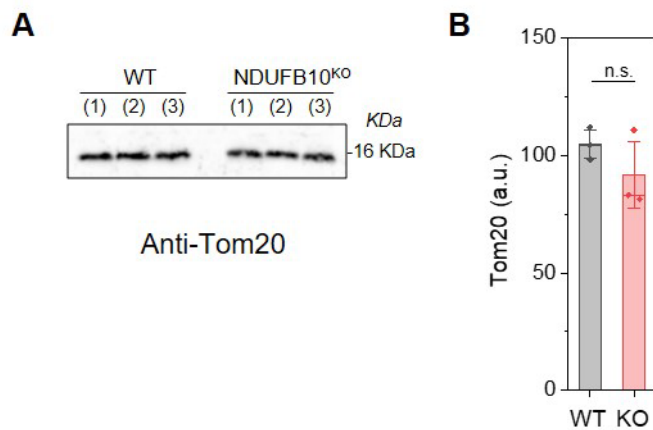
Loss of respiratory complex I subunit NDUFB10 affects complex I assembly and supercomplex formation

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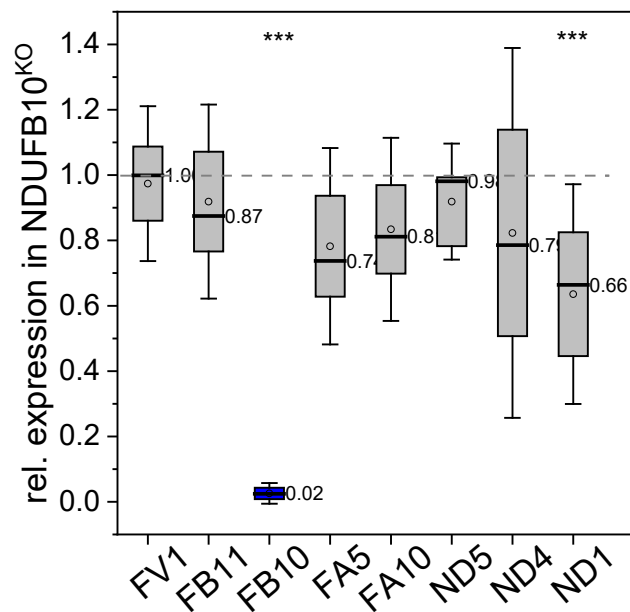
Supplementary material



Supplementary Figure S1 Respiration measurement of wild type cells and NDUFB10^{KO}. Seahorse Mito Stress Test showing oxygen consumption rate (OCR; mean and standard deviation) under high glucose conditions; Injections as indicated: oligomycin (2 μM); FCCP (0.5 μM); rotenone and antimycin A injection (0.5 μM). Biological replicates: N=16 for wt, N=32 for KO. This is technical replicate #2.



Supplementary Figure S2 Tom20 protein levels do not change in NDUFB10^{KO} cells. (A) Immuno-staining of Tom20. (B) Quantitative analysis. N=3 biological replicates.



Supplementary Figure S3 Gene expression levels of several CI subunits of the N-module (NDUFV1=FV1), the P_D-module (NDUFB11=FB11 and NDUFB10=FB10), the Q-module (NDUFA5=FA5), the P_F-module (NDUFA10=FA10), the P_D-module (mtND5=ND5 and mtND4=ND4) and the P_F-module (mtND1=ND1). Expression in NDUFB10^{KO} cells was normalized to the expression in wt cells. Two-sided t-test, * p≤0.05 ** p≤0.01 *** p≤0.001; Error bars indicate standard deviation.