

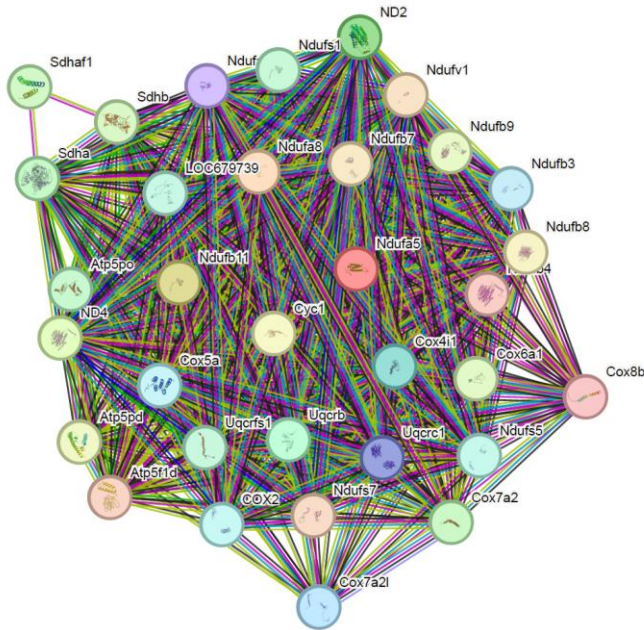
Effect of BD administration for 2 weeks on whole rat metabolic rate

Values represent the mean \pm SEM of 3 different rats * $p < 0.05$ vs C

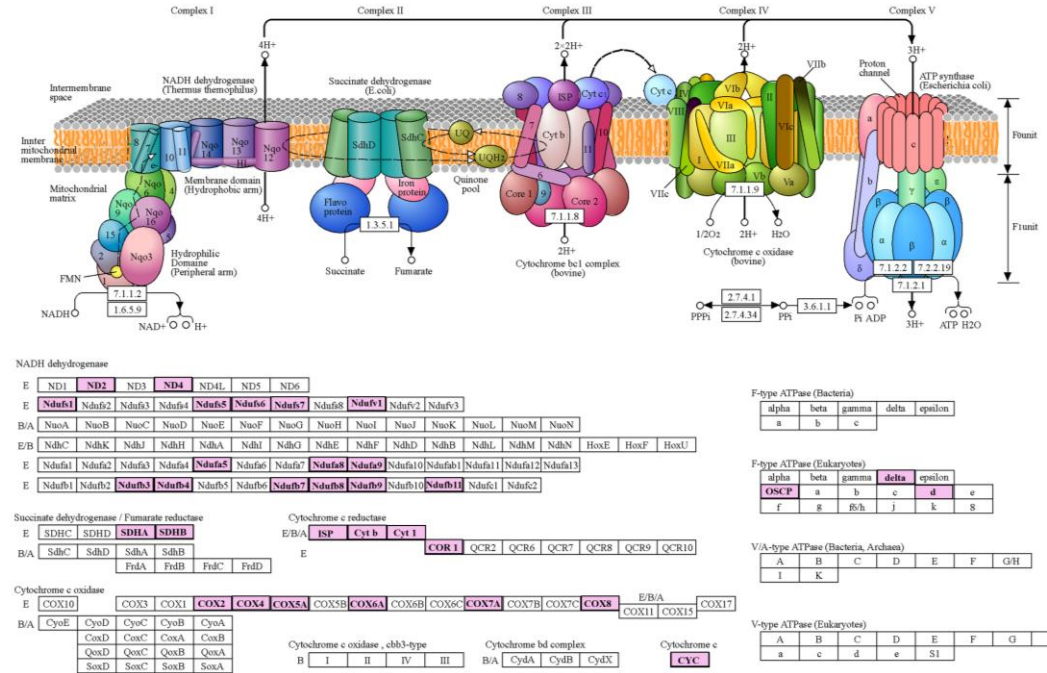
Oxygen consumption (VO₂) measurements were made using a four-chamber, indirect, open-circuit calorimeter Oxymax system (Pan Lab, Cornella, Barcelona, Spain) with one rat per chamber. After a 1-h period of adaptation to the metabolic chamber, VO₂ was measured in individual rats at 15-min intervals for 4 h.

OXIDATIVE PHOSPHORYLATION

Up-regulated proteins



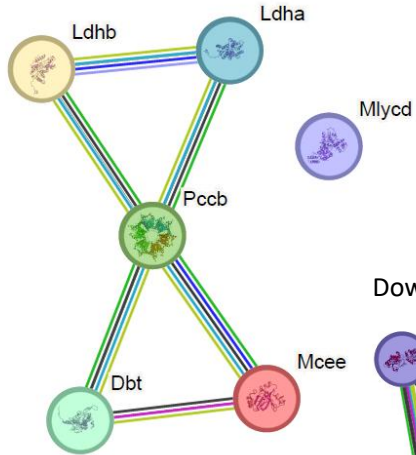
OXIDATIVE PHOSPHORYLATION



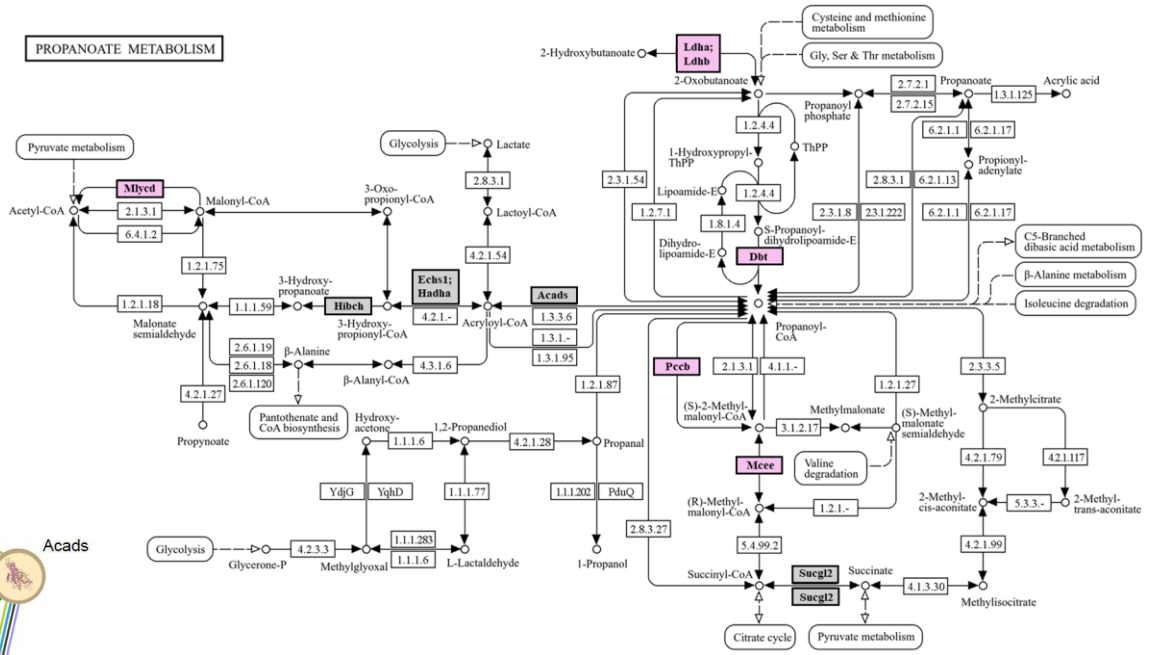
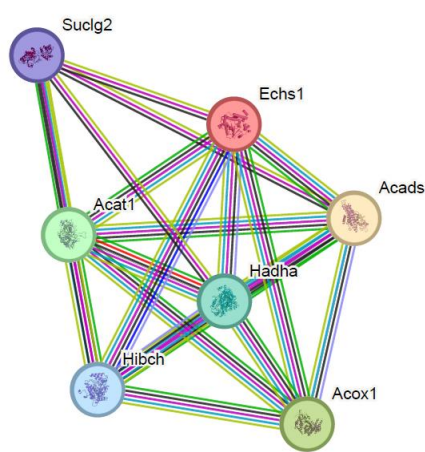
Supplementary Fig.1 String network analysis of regulated proteins involved in oxidative phosphorylation (A) and KEGGs pathways analysis in BD-2w. vs C. The up-regulated proteins are depicted in pink

PROPANOATE METABOLISM

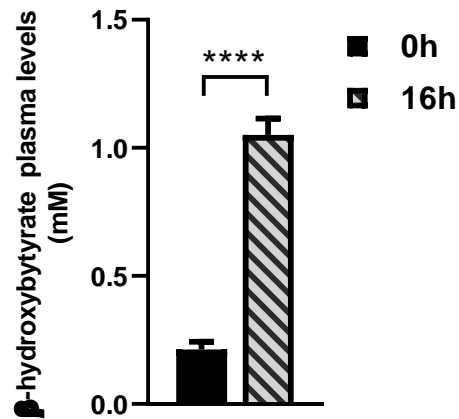
Up-regulated proteins



Down-regulated proteins



String network analysis (A) and KEGGs analysis (B) of An) of regulated proteins involved in in propanoate metabolism in BD-2w vs C. In the KEGG analysis (B) the up-regulated proteins are depicted in pink, the down-regulated proteins are depicted in grey



Plasma levels of β -OHB detected in rats after 16 hours of food removal. Values represent mean \pm SE of 4 animals. Two-tailed Student test was performed. **** $P < 0.0001$

Supplementary Fig 4