



Supplementary Fig. 6.

a, Body mass and body composition of 1-year-old male control and Hectd1 mKO mice ($n = 5-6$). Body composition was measured by MRI and is expressed as percentage of total body mass ($n = 5-6$). **b**, Heatmap of human Mitocarta3.0 genes that show lower expression in HECTD1 Ala1006Val cells vs controls. **c**, Pathway analysis of genes with higher expression in HECTD1 Ala1006Val cells vs controls. **d,e** Heatmap and STRING analysis of interactions between genes identified in “Extracellular matrix organization” Reactome pathway in b in HECTD1 Ala1006Val cells vs controls. **e** ORA – overrepresentation analysis, FC – fold change, FDR – false discovery rate. Data in a are represented as mean \pm sd and were analyzed by Student’s t-test.