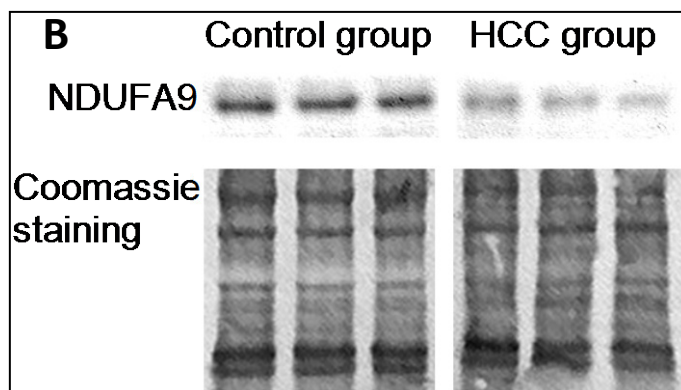
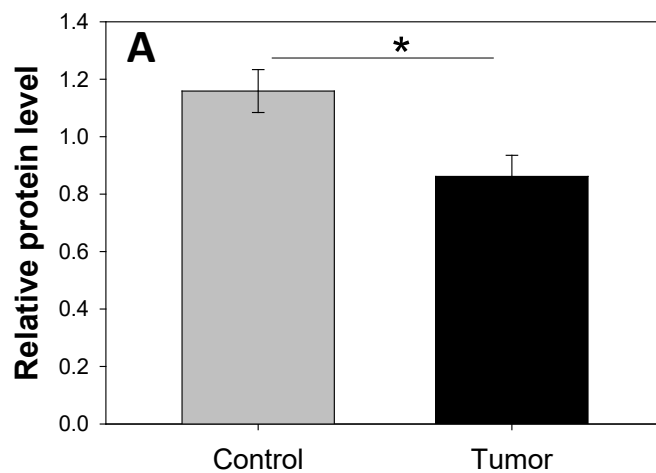


**Supplementary Table 1.** Activity of citrate synthase as marker of mitochondrial mass [105], in human breast and colorectal cancers as well as in corresponding normal tissues. Enzymatic activity measured as mU/mg protein, mean  $\pm$  SE.

Samples	Enzymatic activity	<i>p</i> -values*
Human breast cancer	14.55 $\pm$ 2.59; n = 9	< 0.005
Healthy breast tissue	4.09 $\pm$ 1.15; n = 9	
Human colorectal cancer	83 $\pm$ 19; n = 6	< 0.05
Healthy colon tissue	46 $\pm$ 6; n = 6	

**Notes:** \* significant difference between malignant vs. adjacent healthy tissue samples.



**Supplementary Fig. 1.** Quantification of Complex I subunit NDUFA9 expression levels using Western blot (WB) and anti-NDUFA9 antibody in HCC and healthy colon tissue samples (A); respective WB image of NDUFA9 protein levels (B). Levels of NDUFA9 were normalized to total protein content quantified by coomassie blue staining. Data are represented as mean values  $\pm$  SEM from 4 independent experiments; \*  $p < 0.05$ .