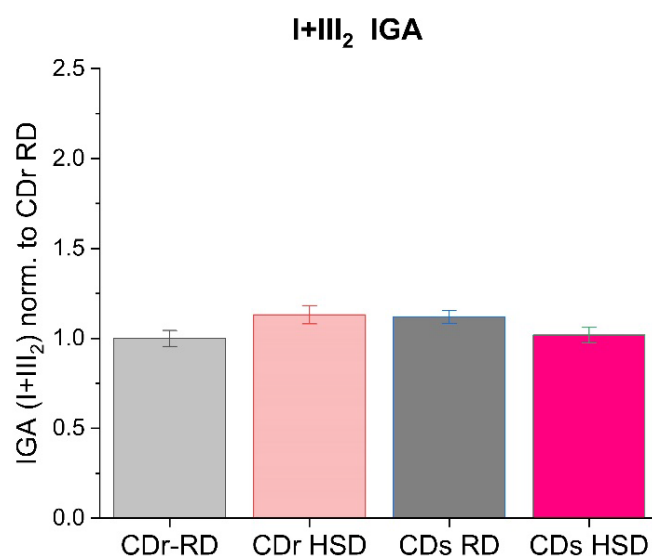
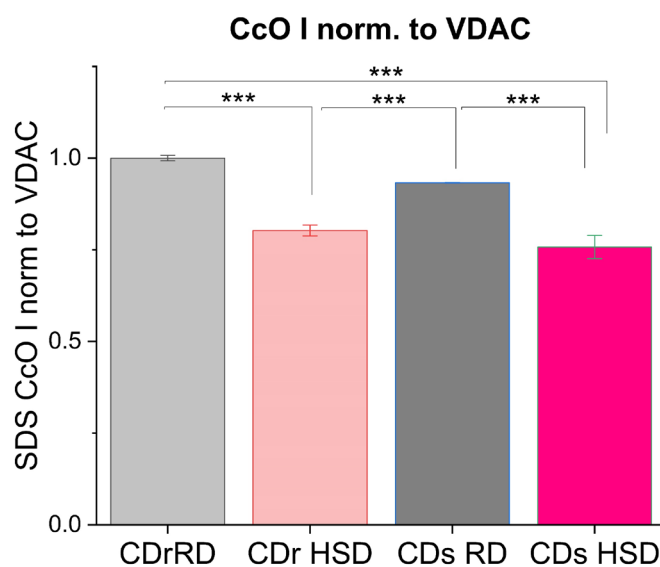


## Supplementary Figures



**Figure S1.** Complex I-related in-gel activity is unaltered in the I+III<sub>2</sub> supercomplex. Data are reported as % of CDr RD set to 100% and derived from three independent experiments using mitochondria from three distinct Cohen diabetes-resistant (CDr) and Cohen diabetes-sensitive (CDs) rat livers. RD, regular diet; HSD, high sucrose low copper diet.



**Figure S2.** Decrease in CcO subunit I content in HSD strains. Quantitation of CcO subunit I normalized to total VDAC. Data are reported as % of CDr RD set to 100% and derived from three independent experiments using mitochondria from three distinct Cohen diabetes-resistant (CDr) and Cohen diabetes-sensitive (CDs) rat livers. RD, regular diet; HSD, high sucrose low copper diet; \*\*\*,  $p < 0.001$ .

## Supplementary Tables

**Table S1.** Summary of Two-Way ANOVA results of Figure 3.

	IGA Band	Strain Effect	Diet Effect	Interaction Effect
Complex IV IGA	IV	ns.	$F= 44.941$ $p < 0.001$	$F= 10.267$ $p= 0.003$
	IV <sub>2</sub>	ns.	$F= 26.597$ $p < 0.001$	$F= 10.521$ $p= 0.001$
	III <sub>2</sub> +IV	ns.	$F= 18.438$ $P < 0.001$	$F= 7.365$ $p= 0.001$
	I	ns.	$F= 11.736$ $p < 0.003$	ns.
Complex I IGA	I+III <sub>2</sub>	ns.	ns.	$F= 7.031$ $p=0.02$
	I+III <sub>2</sub> +IV	ns.	ns.	$F= 21.21$ $p < 0.001$
	I+III <sub>2</sub> +IV <sub>n</sub>	ns.	$F= 16.640$ $p < 0.001$	ns.

*ns: not significant*