Bioenergetic Effects of Mitochondrial Targeted Coenzyme Q Analogs in Endothelial Cells*

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SUPPLEMENTAL DATA
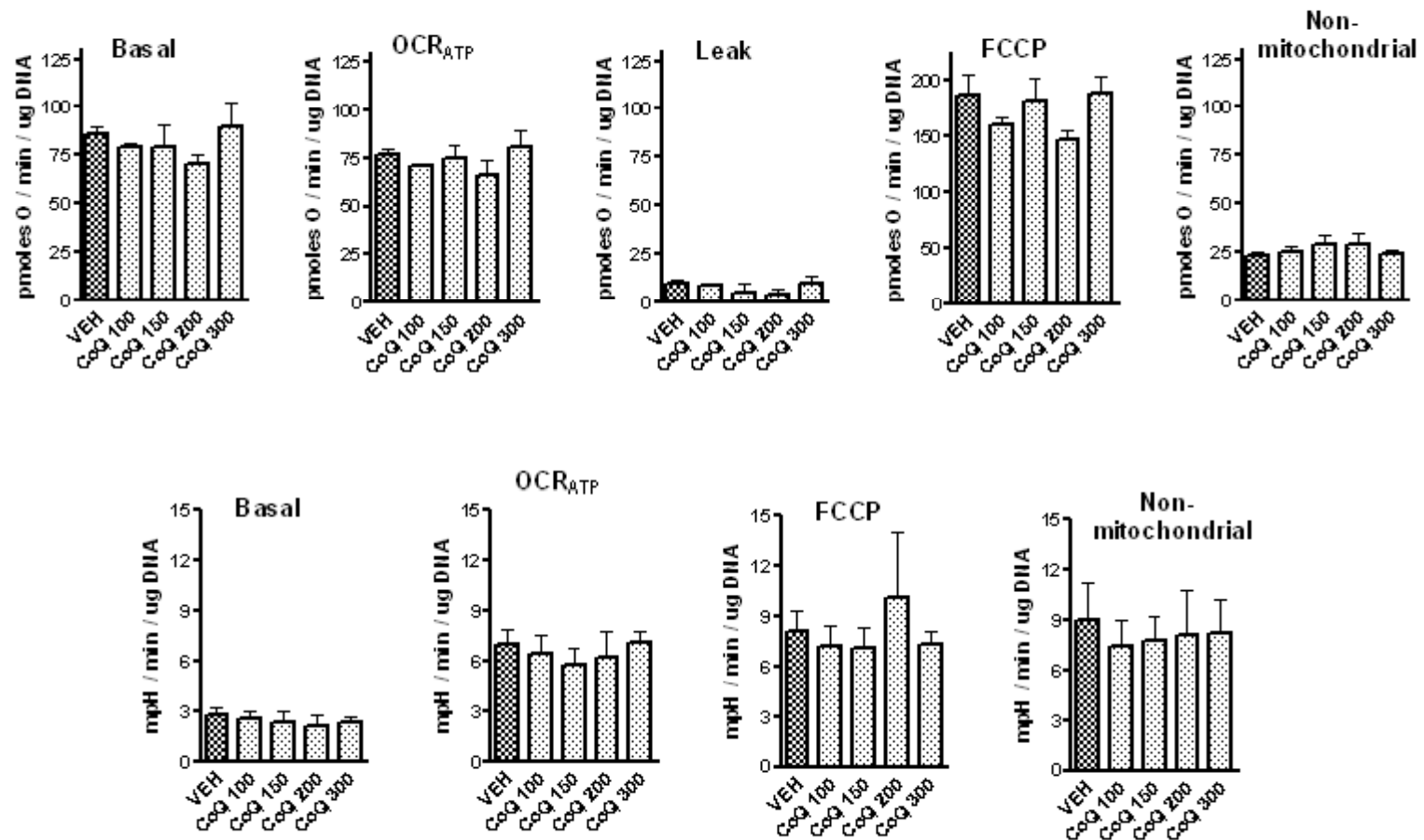
Supplemental figure 1. Lack of effect of Coenzyme Q10 on OCR (pmoles O/min/µg DNA, top row of panels) and ECAR (mpH/min/µg DNA, bottom row of panels) under conditions corresponding to figure 1 (main manuscript). CoQ = Coenzyme Q10, adjacent numbers indicate concentrations (nM). CoQ had no significant effects compared to vehicle for any of the conditions examined. Data represent mean ± SEM, n = 4-5 wells per data point.
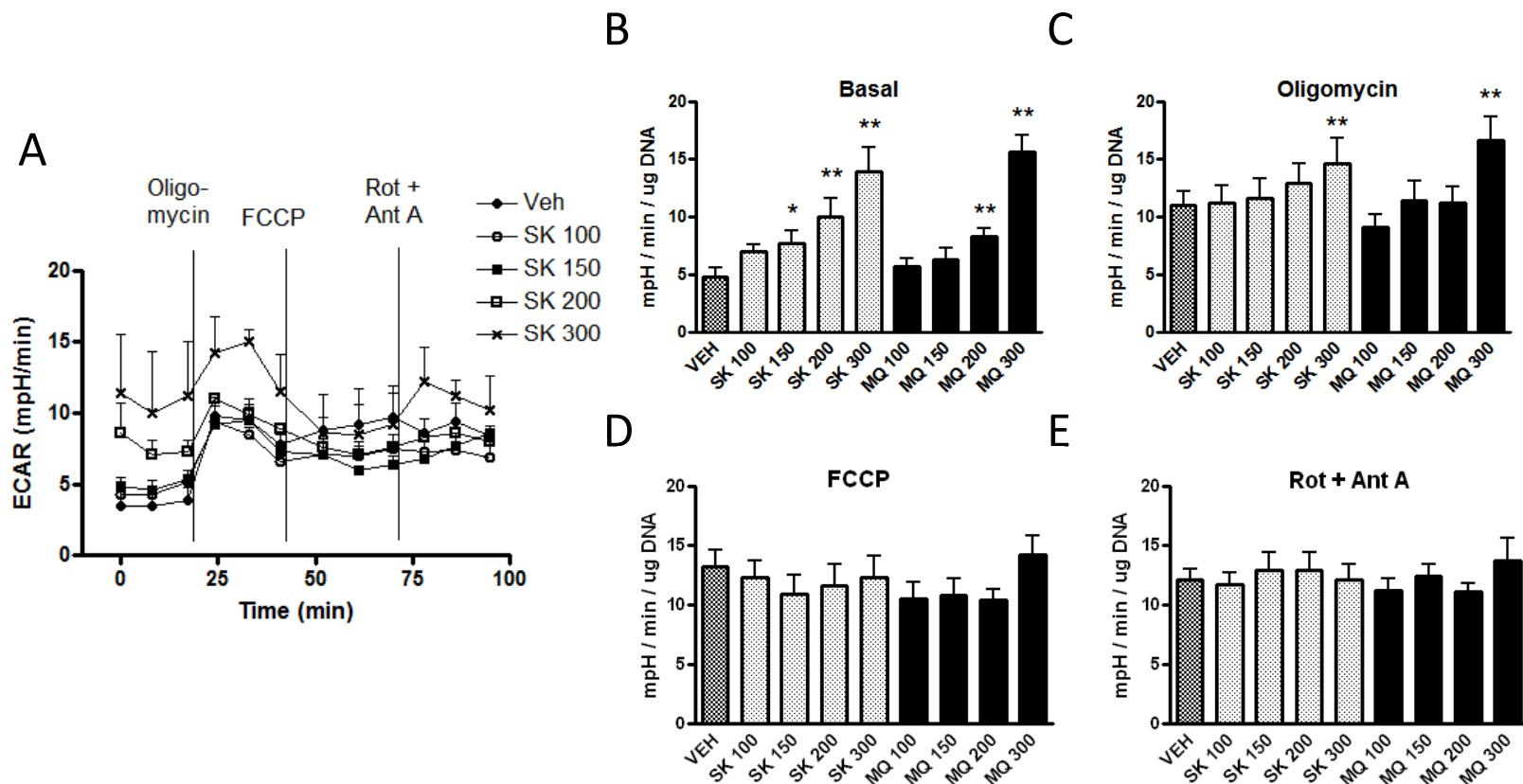
Supplemental figure 2. Effect of Mito Q and SkQ1 on ECAR measured in the experiments depicted in figure 1 (main manuscript). SK = SKQ1, MQ = MitoQ. Numbers adjacent to these designations indicate concentrations (nM). A) Same experiment shown in figure 1A assessing ECAR rather than OCR. B) Basal ECAR measured prior to addition of oligomycin. C) ECAR after oligomycin inhibition of ATP synthase. D) ECAR following FCCP. E) ECAR after inhibition of electron transport. Data in panel B-E represent mean ± SEM, * $p < 0.05$, ** $p < 0.01$ compared to vehicle by one-way ANOVA with repeated measures and Dunnett post tests. Each data point represents the average value obtained in 6 experiments carried out as in panel A (n = 6 for each data point, each data point representing the mean obtained in 2-3 wells per condition).