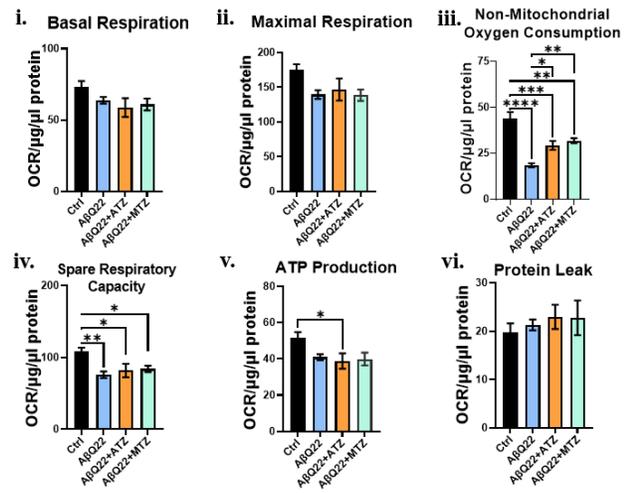
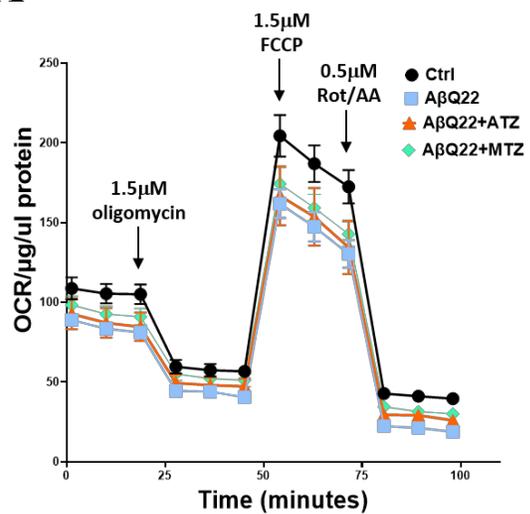
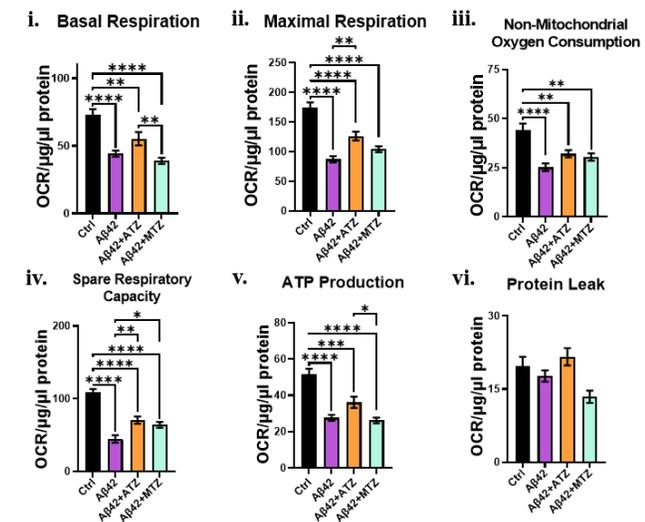
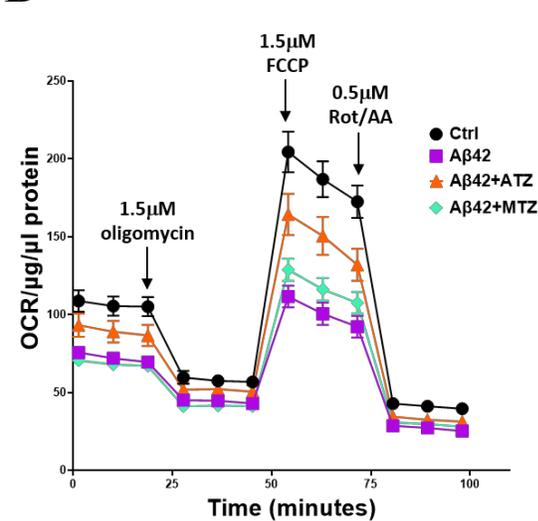


**A****B**

**Figure S1. Effects of CAIs on mitochondrial respiration in  $\text{A}\beta$ -treated BVSMCs.**

## Supplementary Figure Legends

### Figure S1.

#### Effects of CAIs on mitochondrial respiration in A $\beta$ -treated BVSMCs.

**A)** and **(B)** Measurement of mitochondrial respiration in BVSMCs, treated for 24hrs with 10 $\mu$ M A $\beta$ 40-Q22 (**A**) and A $\beta$ 42 (**B**), in presence or absence of CAIs. **A)** A $\beta$ 40-Q22 significantly impairs oxygen consumption rate (OCR) in non-mitochondrial oxygen consumption (**iii**) and spare respiratory capacity (**iv**) measurements, without affecting basal respiration (**i**), maximal respiration (**ii**), ATP production (**v**) and proton leak (**vi**). Both CAIs rescue non-mitochondrial oxygen consumption (**iii**). **B)** A $\beta$ 42 significantly impair basal respiration (**i**), maximal respiration (**ii**), non-mitochondrial oxygen consumption (**iii**), spare respiratory capacity (**iv**), and ATP production (**v**) in BVSMCs, with no effect on proton leak (**vi**). For **(A)** and **(B)**, data are plotted following normalization to protein concentration. Graphs represent 3 independent experiments, with 6 replicates per group. Data are plotted as mean + SEM, and statistical significance was evaluated by One-way ANOVA, followed by Tukey's multiple comparisons test. \*= p<0.05, \*\*= p<0.01, \*\*\*= p<0.001, and \*\*\*\*= p<0.0001, compared to untreated BVSMCs.