

Figure S2

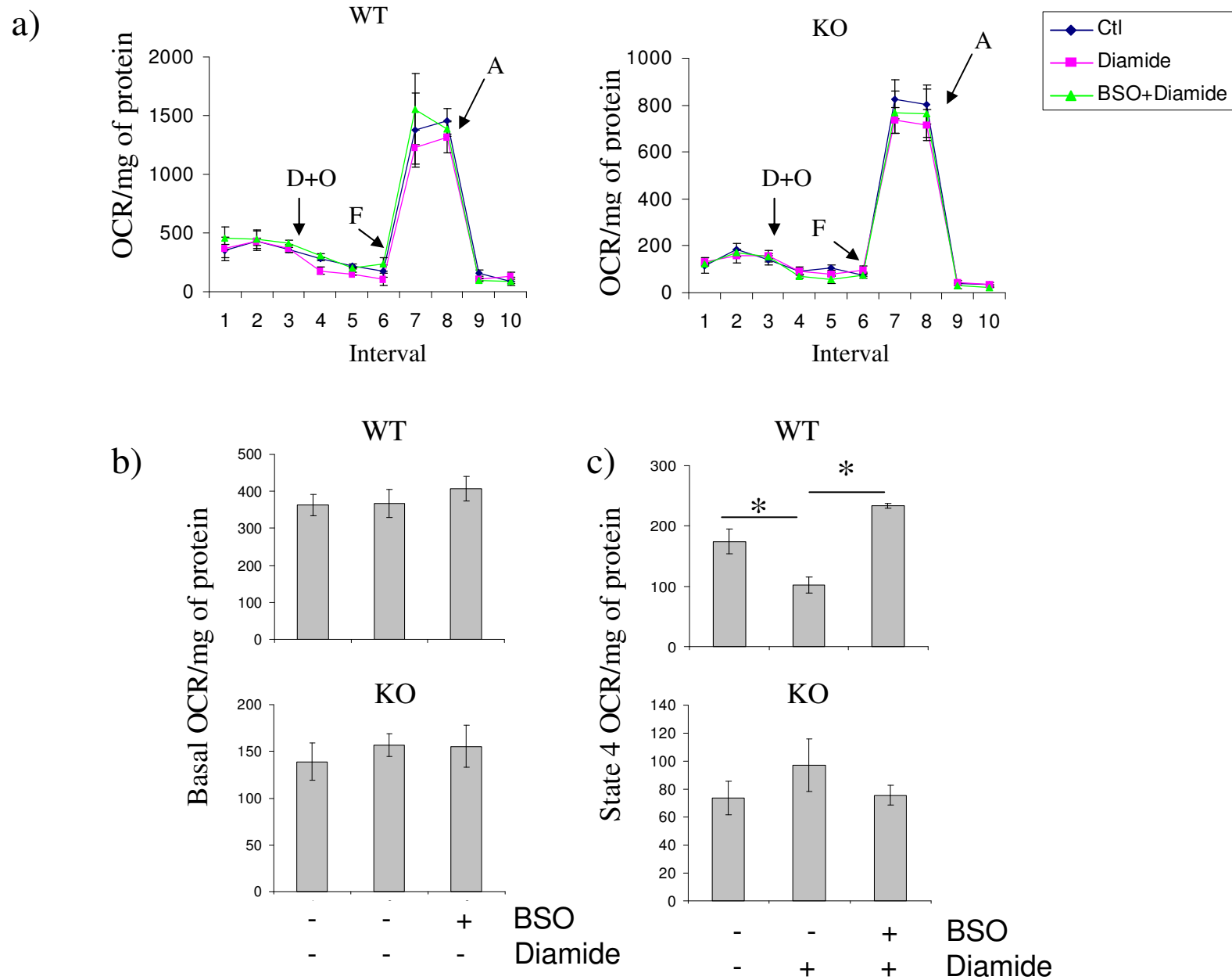


Figure S2: GSH-depleted cells are resistant to diamide-mediated inhibition of UCP3-dependent state 4 respiration. **a)** *In situ* determination of the mitochondrial metabolism in BSO-exposed WT and UCP3 null (KO) myotubes treated with or without diamide for 15min. Measurement of basal respiration was followed by treatment with diamide (D; 100 μ M) for 15min and then the injection of oligomycin (O; 1 μ g/mL), FCCP (F; 1 μ M), and antimycin A (A; 1 μ M), respectively. **b)** Basal respiration in WT or UCP3 null (KO) myotubes treated with or without BSO (25 μ M). n=4. **c)** State 4 respiration in WT or UCP3 null (KO) primary myotubes. Cells treated with or without BSO (25 μ M) were exposed to diamide (100 μ M) for 15min prior to the induction of state 4 respiration with oligomycin (1 μ g/ml). * p<0.05, n=4, 1-way ANOVA with a Tukey's post-hoc test. * corresponds to comparison with the cells treated with diamide only. Values in **b)** and **c)** are the basal and state 4 OCR averages from **a)**.