Supplemental Figure S1

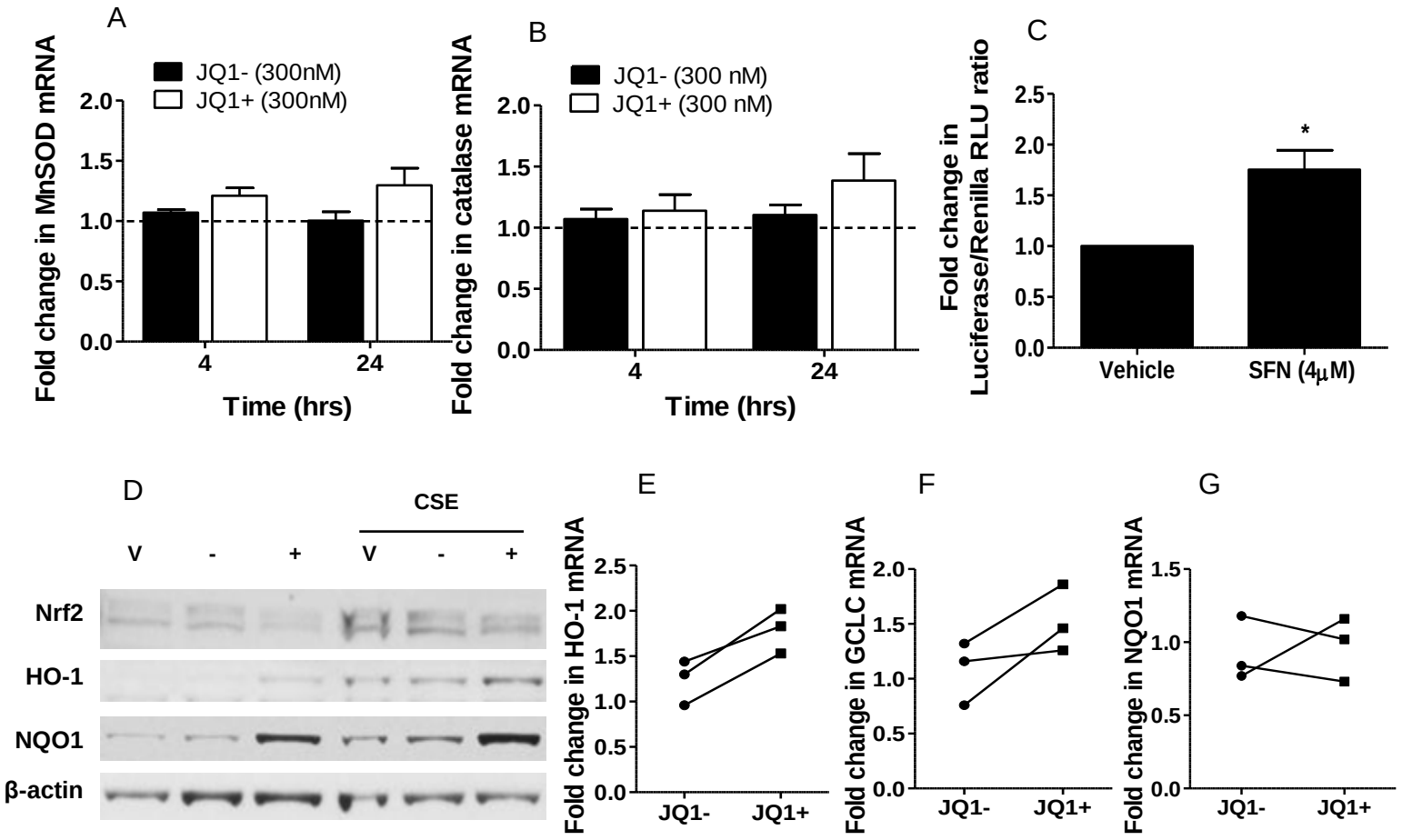

Figure S1. Effect of JQ1+ and JQ1- on MnSOD and catalase mRNA expression and effect of sulforaphane on Nrf2 transcriptional activity. (**A-B**) MnSOD (**A**) and catalase (**B**) mRNA expression was determined in ASMCs after treatment with vehicle, JQ1- or JQ1+ (300 nM) for 4-24 hrs. Data are expressed as fold-change with respect to vehicle control (dotted line). Results are representative of mean ± SEM of 4 ASMC donors (**C**) ASMCs were transfected with an ARE-driven luciferase reporter vector (2.5 μg) and then treated with vehicle or sulforaphane (4 μM) for 24 hrs. ARE-driven transcriptional activity was determined by measuring firefly luciferase activity and normalising to Renilla luciferase activity. Results are representative of mean ± SEM of 5 ASMC donors. (D) THP-1 cells were treated with vehicle, JQ1- or JQ1+ (300 nM) in the presence or absence of CSE (3% v/v) for 24 hrs. Nrf2, HO-1 and NQO1 protein expression was determined in whole cells extracts by western blotting. (E-G) Primary blood monocytes were treated with vehicle, JQ1- or JQ1+ (300 nM) and HO-1 (E), GCLC (F) and NQO1 (G) mRNA expression was determined 4 hrs post-treatment. Data are expressed as fold change with respect to vehicle control. Results are representative of mean ± SEM of 3 donors. * $p<0.05$.

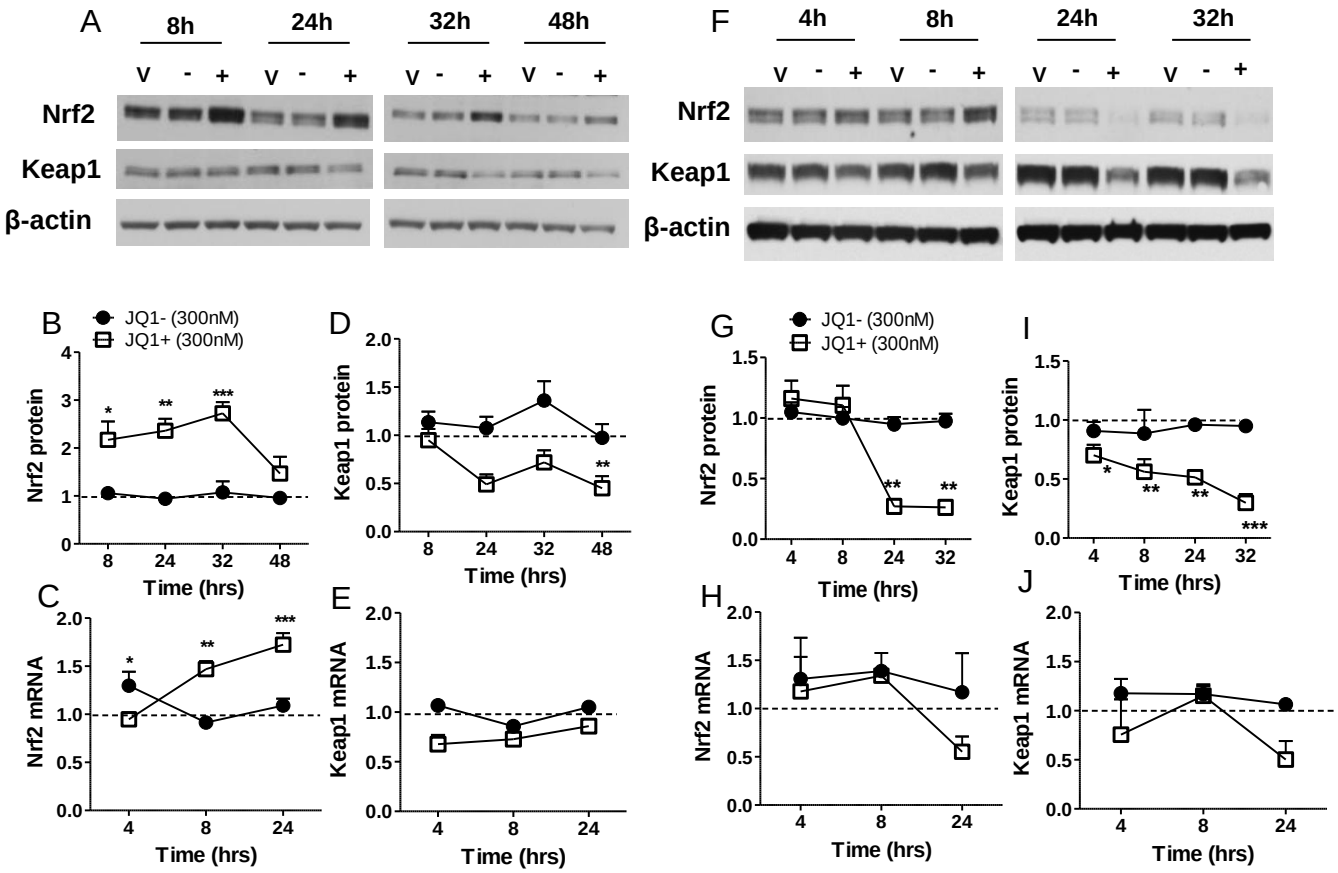

Figure S2. Effect of JQ1+ and JQ1- on Nrf2 and Keap1 expression. Nrf2 and Keap1 mRNA and protein expression was determined in ASMCs (**A-E**) and THP-1 cells (**F-J**) after treatment with vehicle, JQ1- or JQ1+ (300 nM) for different times over a 48 hr period. Data are expressed as fold-change with respect to vehicle control (dotted line). Results are representative of mean ± SEM of 3 ASMC donors and 3 independent experiments for THP-1 cells. * $p<0.05$, ** $p<0.01$ and *** $p<0.001$ vs vehicle.