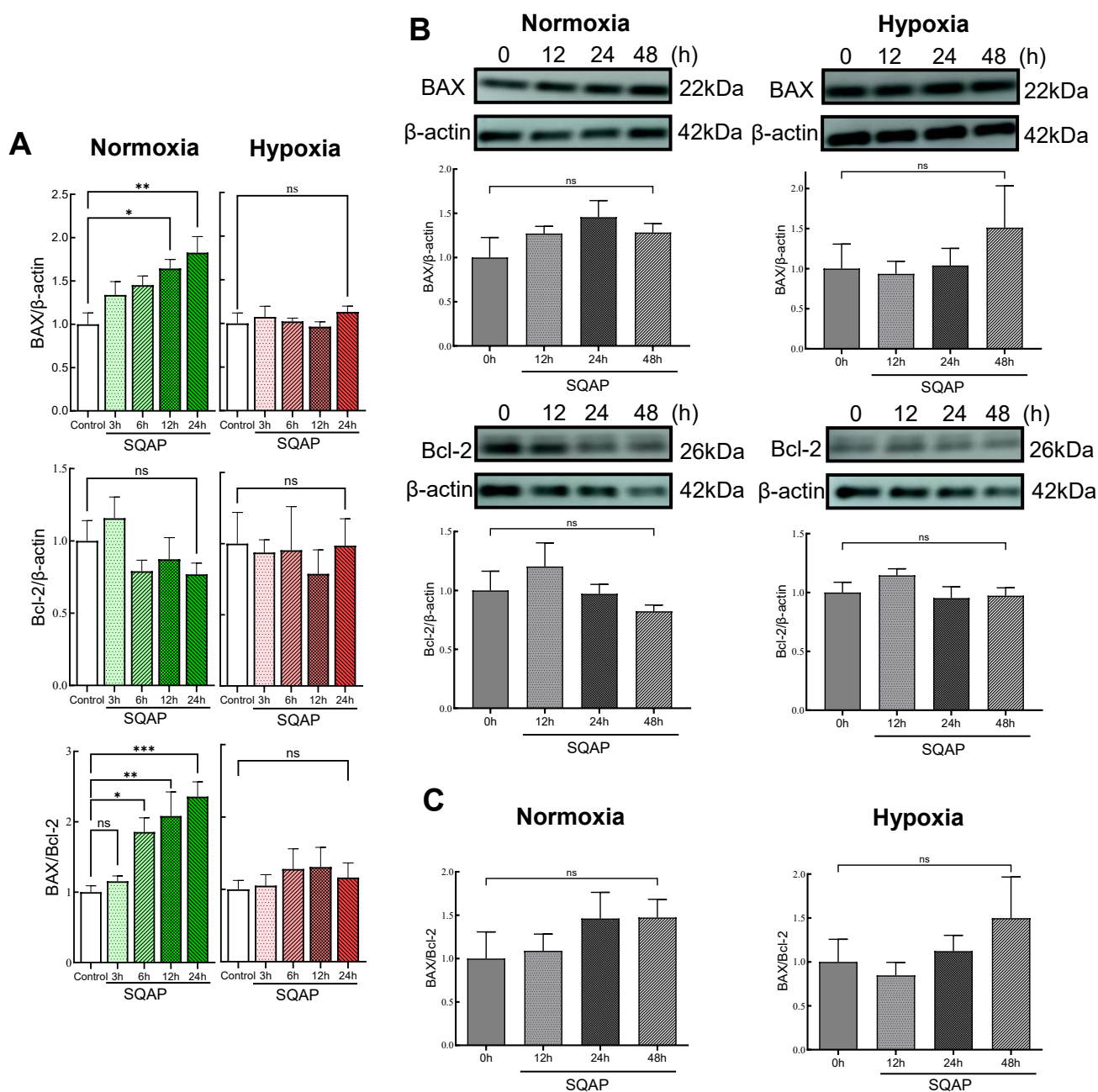


Online Resource 4

q-PCR and immunoblotting results for bax and bcl-2, including in hypoxic conditions



Changes in the mRNA levels and the expression of proteins that regulate apoptosis in human glioblastoma cells. (A) Graphs showing the result of quantitative RT-PCR (qRT-PCR) analysis in U87 treated with 150 μ M SQAP under normoxia and hypoxia. Each column showing the mRNA levels of BAX and Bcl-2 at different time course (3, 6, 12 and 24h). Data are shown as mean \pm SEM (n = 5). * p < 0.05, ** p < 0.01, *** p < 0.001 vs. Control groups (Dunnett's test). (B) Representative images of immunoblots and graphs showing the time course of expression of BAX and Bcl-2 in U87 cells treated with 150 μ M SQAP under normoxia and hypoxia. Data are shown as mean \pm SEM (n = 6). No significant (ns) difference was observed in any groups vs. Control groups (Dunnett's test) (C) Graphs showing the ratio of the expression of BAX to Bcl-2 in U87 cells treated with 150 μ M SQAP under normoxia and hypoxia.