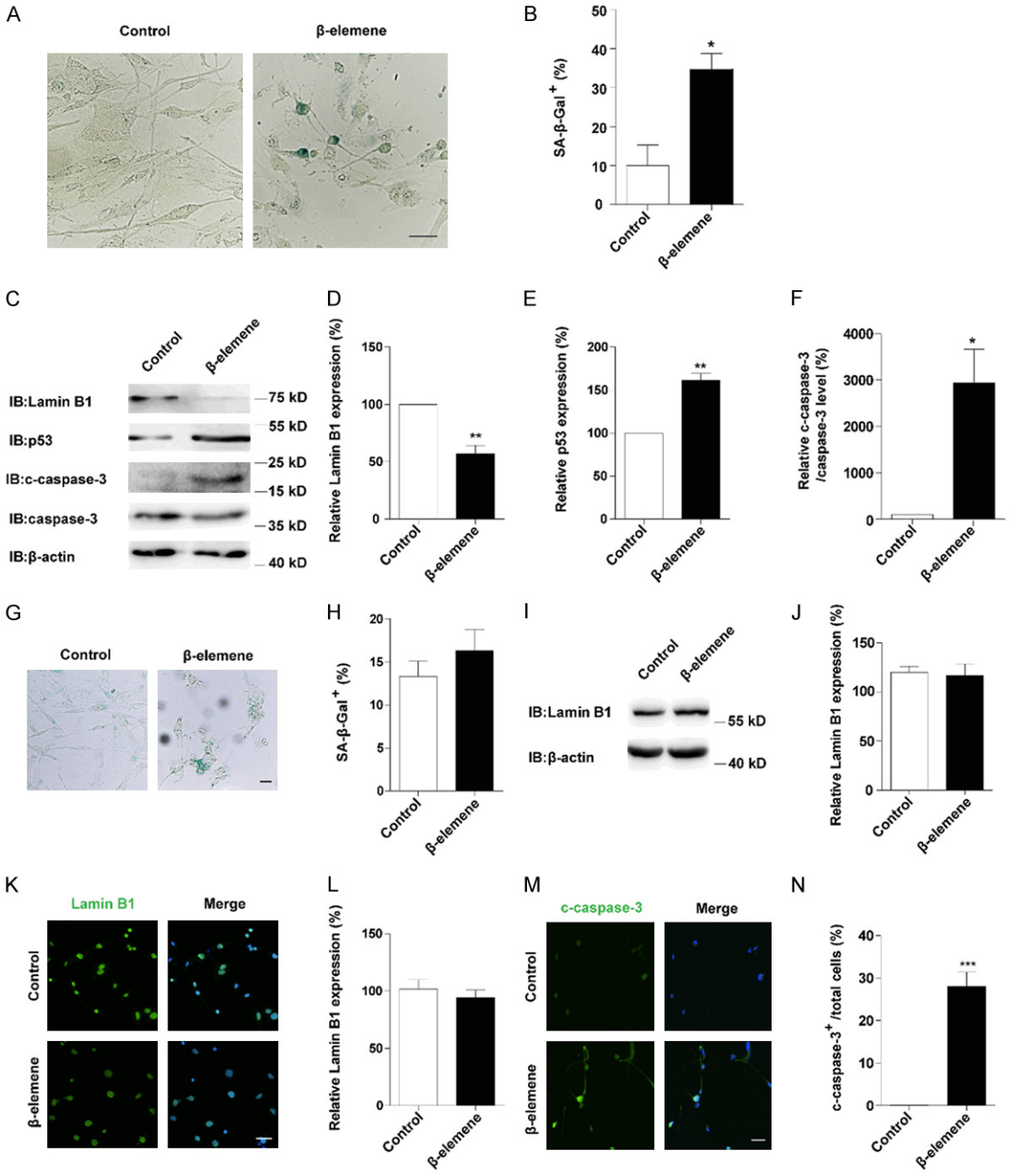

Figure S1. High concentration of β-elemene increased apoptosis of glioma cells. (A) Representative images of SA-β-Gal staining of C6 cells treated with control or 100 μg/mL β-elemene at for 1 day. (B) Quantification of the percentage of SA-β-Gal$^+$ C6 cells over total cells as shown in (A) (n=15). (C) Western blot detected the expression of Lamin B1, p53, caspase-3, and c-caspase-3 in C6 cells treated with control or 100 μg/mL β-elemene for 1 day. (D-F) Quantification of Lamin B1 (D), p53 (E), and c-caspase-3/caspase-3 (F) (n=8) levels as shown in (C). (G) Representative images of SA-β-Gal staining of C6 cells treated with control or 100 μg/mL β-elemene for 2 days. (H) Quantification of the percentage of SA-β-Gal$^+$ C6 cells over total cells as shown in (G) (n=15). (I) Western blot detected the expression of Lamin B1 in C6 cells treated with control or 100 μg/mL β-elemene for 2 days. (J) Quantification of Lamin B1 level as shown in (I) (n=8). (K) Representative images of Lamin B1 staining of C6 cells treated with control or 100 μg/mL β-elemene for 2 days. (L) Quantification of the percentage of Lamin B1$^+$ C6 cells over total cells as shown in (K) (n=15). (M) Representative images of c-caspase-3 staining of C6 cells treated with control or 100 μg/mL β-elemene for 2 days. (N) Quantification of the percentage of c-caspase-3$^+$ C6 cells over total cells as shown in (M) (n=15). Scale bars, 20 μm. Data were mean ± s.e.m, $^*P < 0.05$, $^{**}P < 0.01$, $^{***}P < 0.001$.

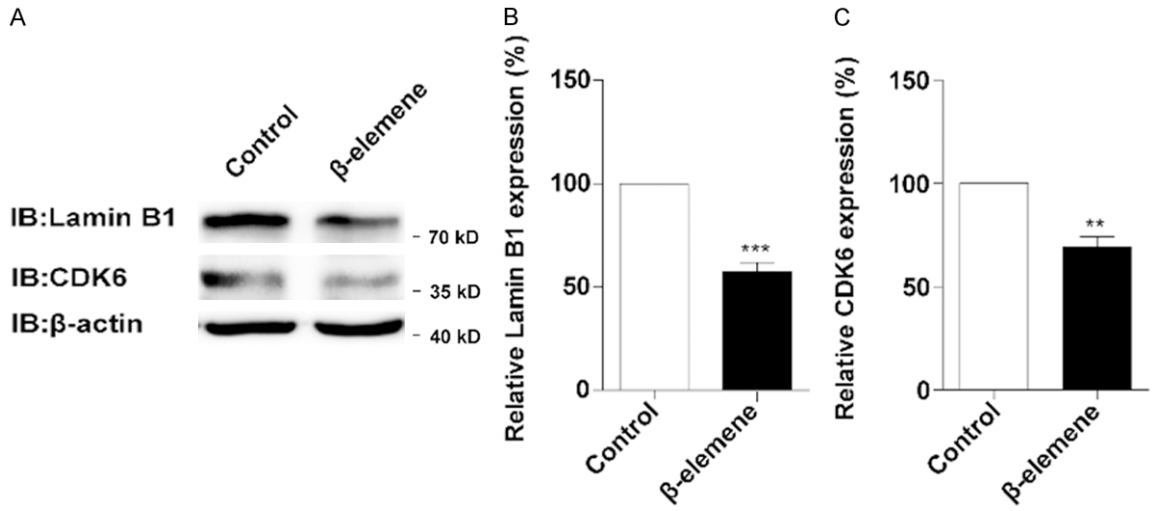

Figure S2. β-elemene induced changes of senescence makers in other glioma cell line. (A) Western blot detected the expression of Lamin B1 and CDK6 in DBTRG cells treated with control or 10 μg/mL β-elemene for 2 days. (B, C) Quantification of the relative Lamin B1 (B) and CDK6 (C) levels as shown in (A) (n=3). Data were mean ± s.e.m. $^{**}P < 0.01$, $^{***}P < 0.001$.