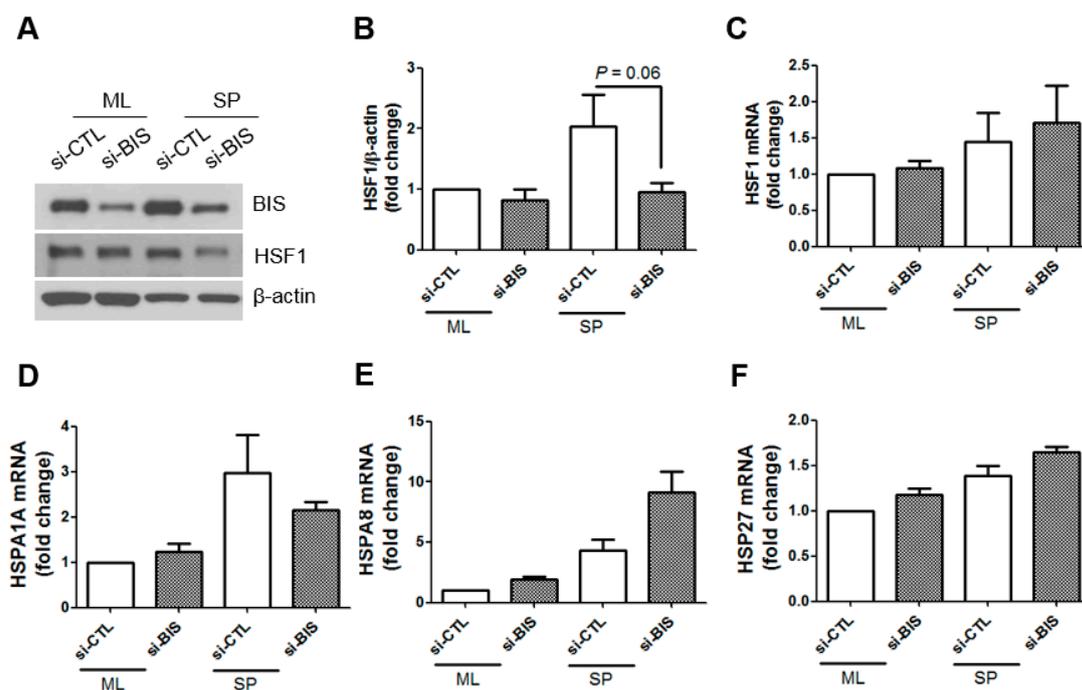
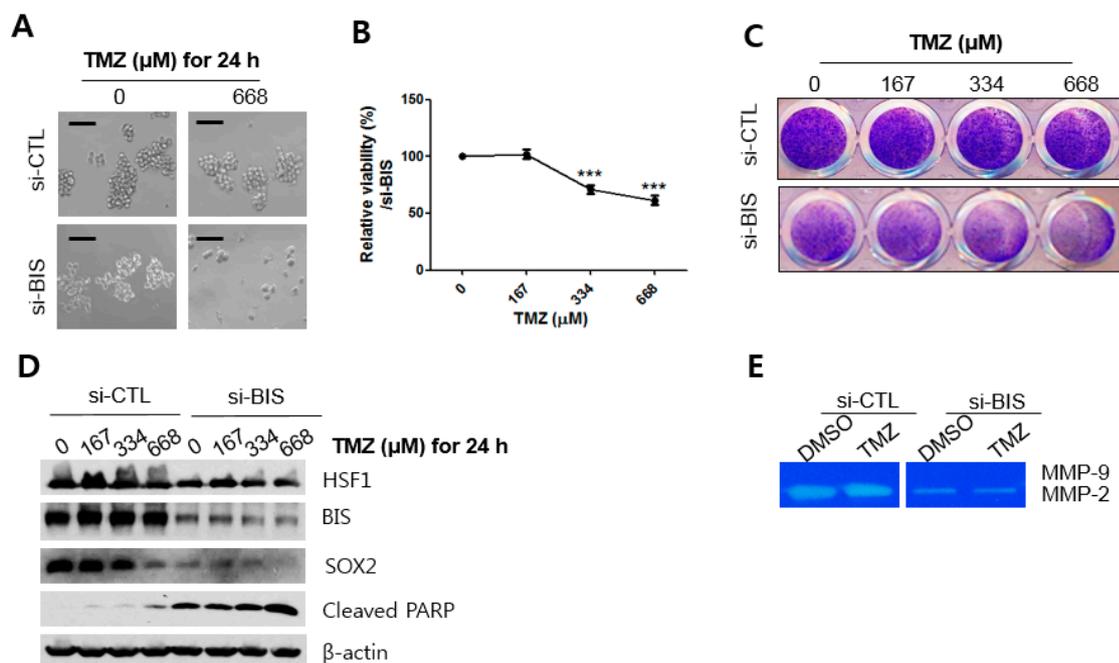


# Supplementary Materials: Heat Shock Factor 1 Depletion Sensitizes A172 Glioblastoma Cells to Temozolomide via Suppression of Cancer Stem Cell-Like Properties

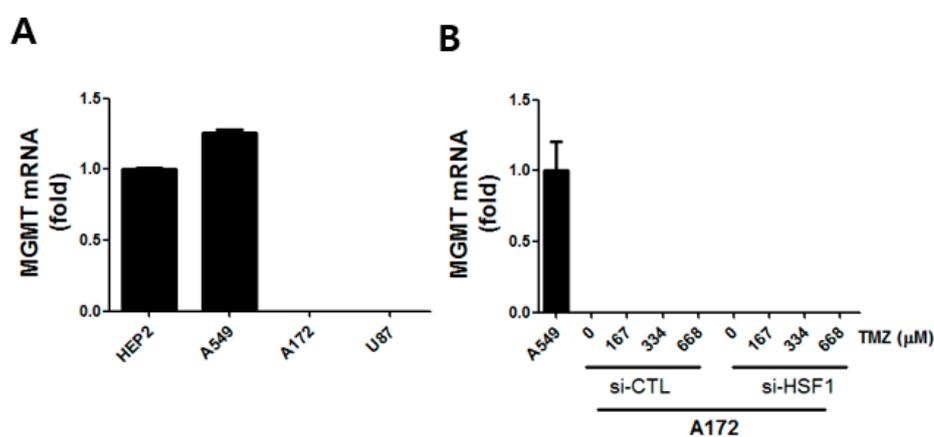
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**Figure S1.** BIS depletion decreases protein, but not mRNA, levels of heat shock factor 1 (HSF1) in U87 cells under sphere (SP)-forming conditions. (A); (B) The effect of BIS knockdown on HSF1 protein and (C) mRNA in U87-MG cells in the monolayer (ML) and SP-forming culture conditions.



**Figure S2.** BIS depletion sensitizes temozolomide (TMZ)-induced cell death in A172 glioblastoma cell death in SPs. Following treatment of small interfering BIS (si-BIS), SP of A172 glioblastoma were incubated with TMZ, images were taken with an inverted microscope (A) and viability was determined (B); (C–E) Crystal violet staining, Western blotting and zymography were performed as described in the Materials and Methods. Scale bars: 100  $\mu\text{m}$ .



**Figure S3.** MGMT mRNA levels in several cancer cell lines. (A) MGMT mRNA was not detected in A172 and U87 cells. (B) The MGMT mRNA levels in HEP2 cells were arbitrarily designated as 1.0; (B) Both HSF1 depletion and TMZ treatment did not affect MGMT mRNA levels in A172 cells. The MGMT mRNA levels in A549 cells were arbitrarily designated as 1.0.