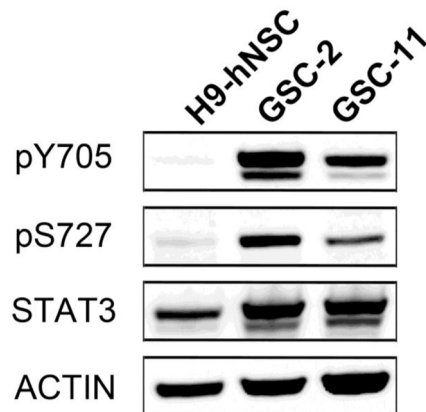
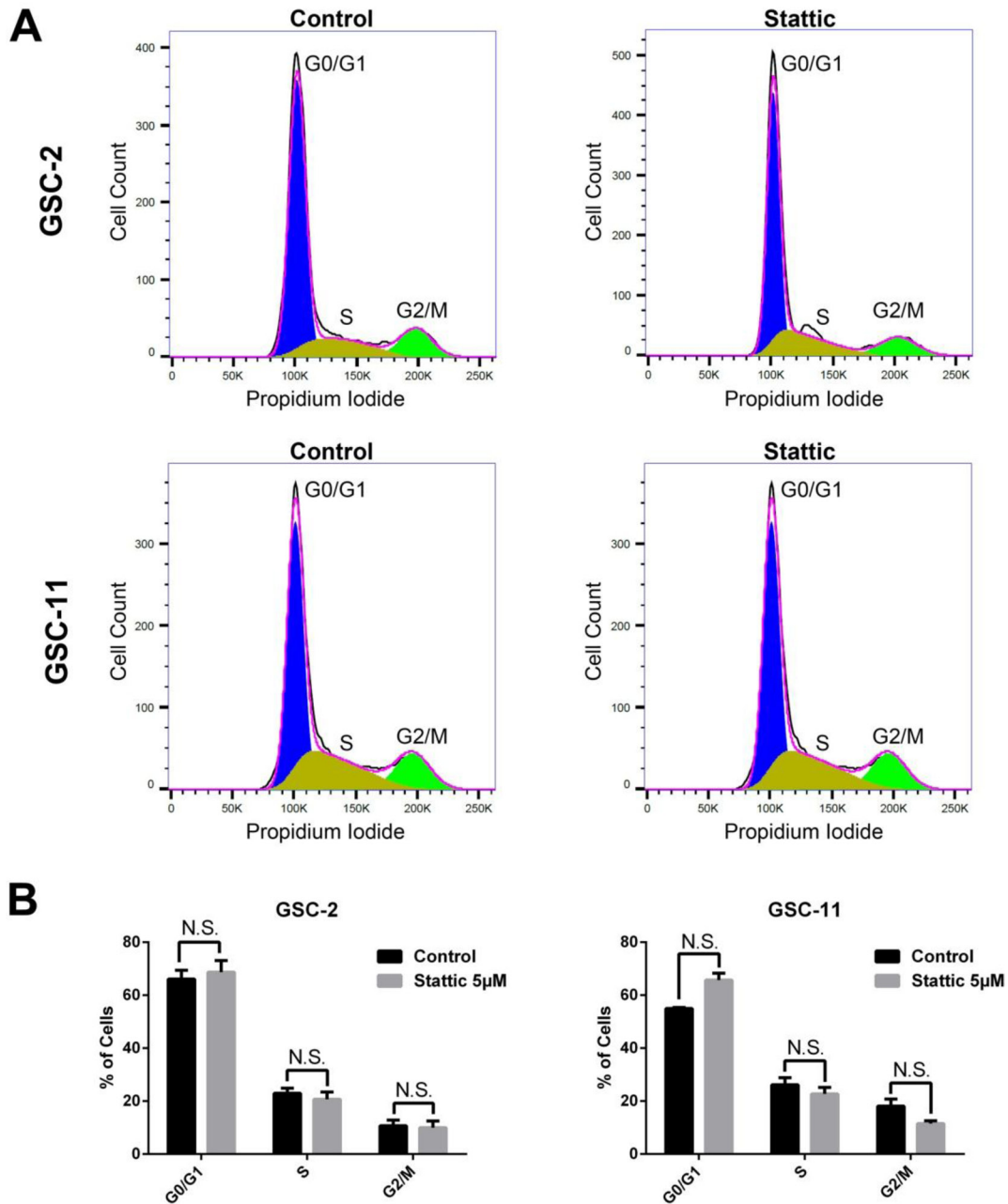


## Impact of STAT3 phosphorylation in glioblastoma stem cells radiosensitization and patient outcome

### SUPPLEMENTARY MATERIALS



Supplementary Figure 1: STAT3 phosphorylation status in GSC lines compared to normal human Neural Stem Cells (H9-hNSC).



**Supplementary Figure 2: Static treatment does not affect cell cycle redistribution in GSCs.** (A) FACS analysis of cell cycle in GSC-2 and GSC-11 with or without Static treatment. (B) Quantification of experiment presented in (A). Histogram represents the mean  $\pm$  standard error of the mean of 4 independent experiments (N.S. not significant, Mann-Whitney test).

**Supplementary Table 1: Molecular characteristics of GSC-2 and GSC-11**

<b>GSC line</b>	<b>GSC-2</b>	<b>GSC-11</b>
<b>IDH1</b>	WT	WT
<b>IDH2</b>	WT	WT
<b>p53</b>	WT	WT
<b>PTEN</b>	Mut	WT
<b>EGFRvIII</b>	NO	YES
<b>EGFR amplification</b>	polysomy	polysomy
<b>LOH 1p36</b>	NO	NO
<b>LOH 19q13</b>	NO	NO
<b>LOH 9p21</b>	YES	N.D.
<b>LOH 10q23</b>	YES	N.D.
<b>MGMT methylation (%)</b>	1.6	94.2

**Supplementary Table 2: Clinical data of 61 GBM patients. See Supplementary\_Table\_2**