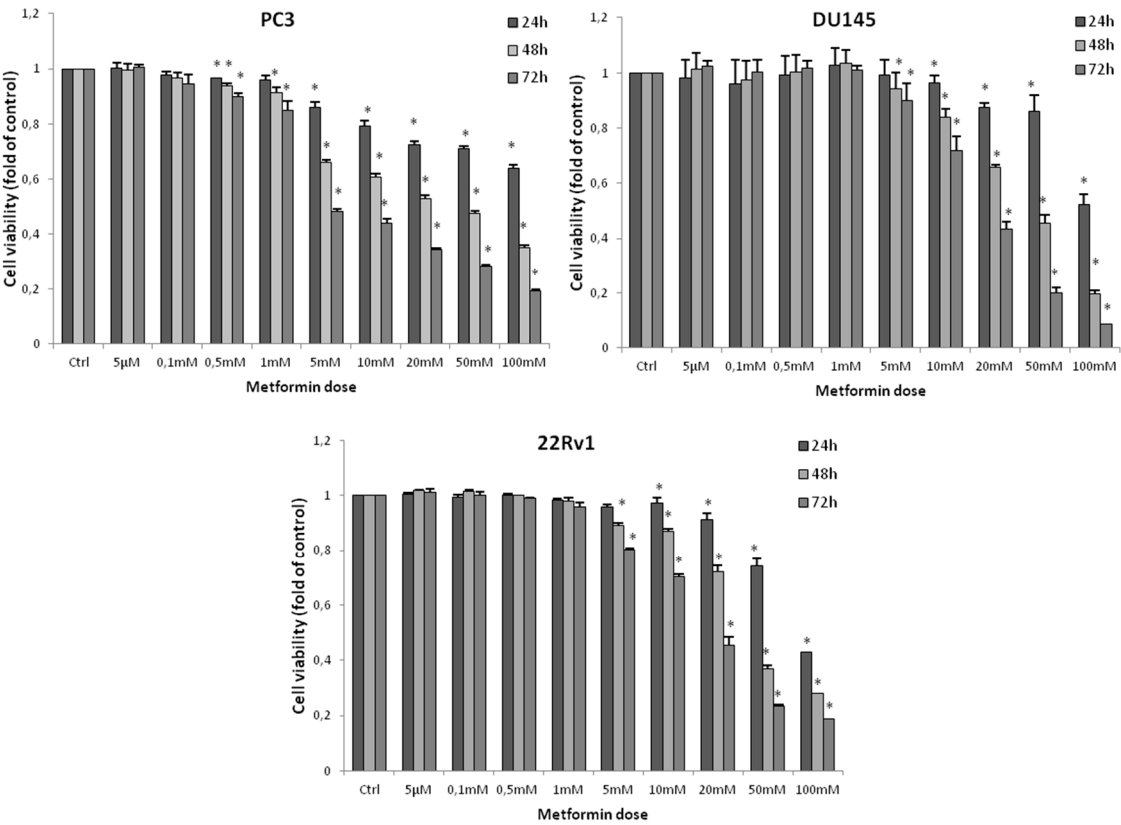


# Supplementary Materials: The Effect of Metformin and GANT61 Combinations on the Radiosensitivity of Prostate Cancer Cells

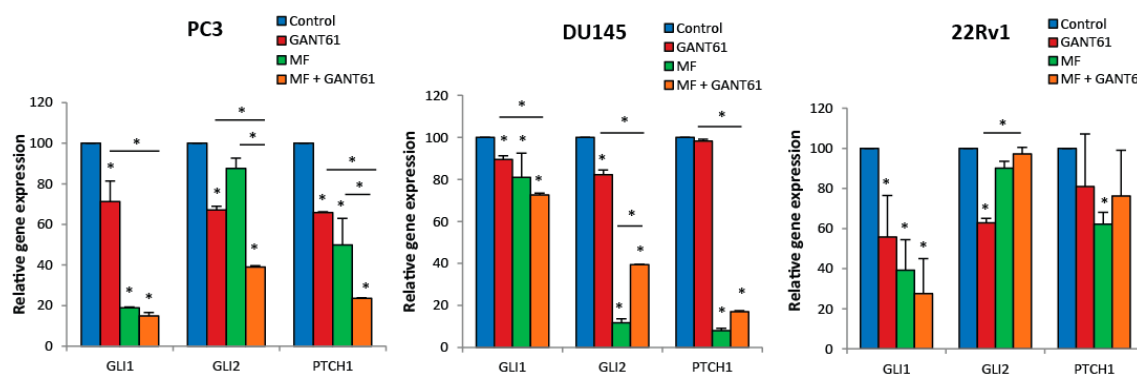
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**Table S1.** Forward and reverse primer sequences used for quantitative polymerase chain reaction (qPCR).

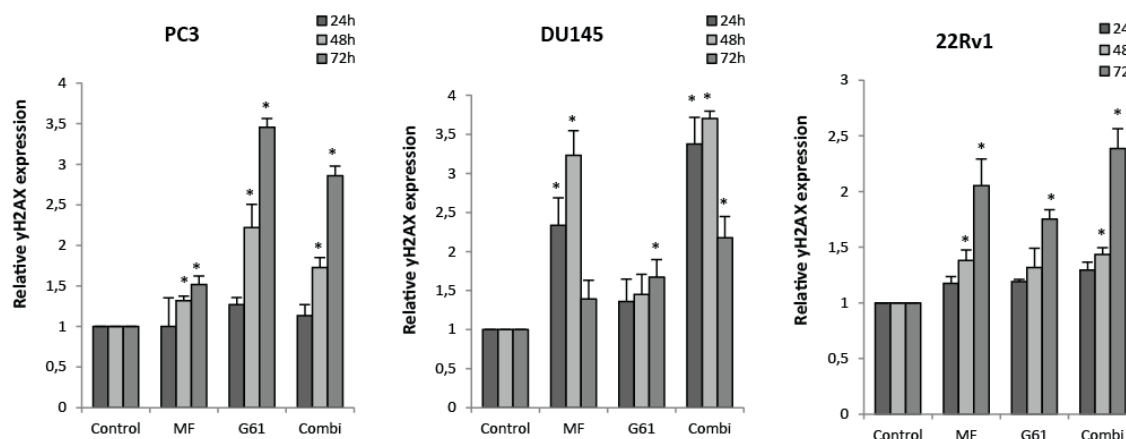
Gene	Forward 5'–3'	Reverse 5'–3'
<i>GAPDH</i>	CCATCTTCCAGGAGCGAG	TGAAGACGCCAGTGGAC
<i>PTCH</i>	AAACAGGTTACATGGATCAGATAATAG	CCCTTCCCAGAAGCAGT
<i>GLI1</i>	AATGCTGCCATGGATGCTAGA	GAGTATCAGTAGGTGGGAAGTCCATAT
<i>GLI2</i>	GCCCTCACCTCCATCAAT	TGTTCTGGTTGGTGTCACT



**Figure S1.** Cell viability (fold of control) after metformin treatment. Means ± standard error of the means (SEM) of two independent experiments. \*  $p < 0.05$  vs. control.



**Figure S2.** Hedgehog (Hh) gene expression after metformin (MF), GANT61 (GLI-ANTagonist 61) or combined treatment. *GLI1*, *GLI2* and *PTCH1* gene expression in PC3, DU145 and 22Rv1 cells after 72-h metformin (5 mM), GANT61 (10  $\mu$ M) or combination treatment. Means  $\pm$  SEM of two independent experiments performed in triplicate. \*  $p < 0.05$  vs. control. *GLI1*, glioma-associated oncogene homolog 1; *GLI2*, glioma-associated oncogene homolog 2; *PTCH1*, patched 1.



**Figure S3.** Effect of metformin and GANT61 (G61) on induction of DNA damage and phosphorylation of H2AX after 24-, 48- and 72-h drug treatment in PC3, DU145 and 22Rv1 cells. Cells were treated for 72 h with metformin (5 mM), GANT61 (10  $\mu$ M) or combination and cells were fixed at 24, 48 and 72 h of treatment. Means  $\pm$  SEM of three independent experiments. \*  $p < 0.05$  vs. control.