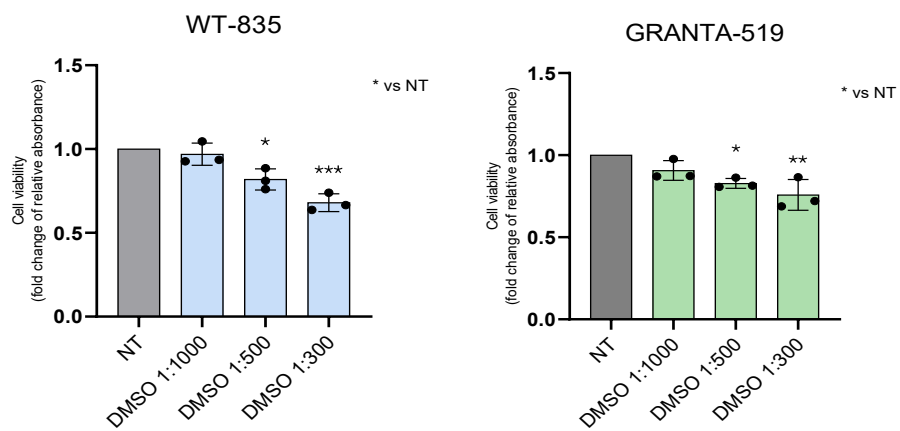
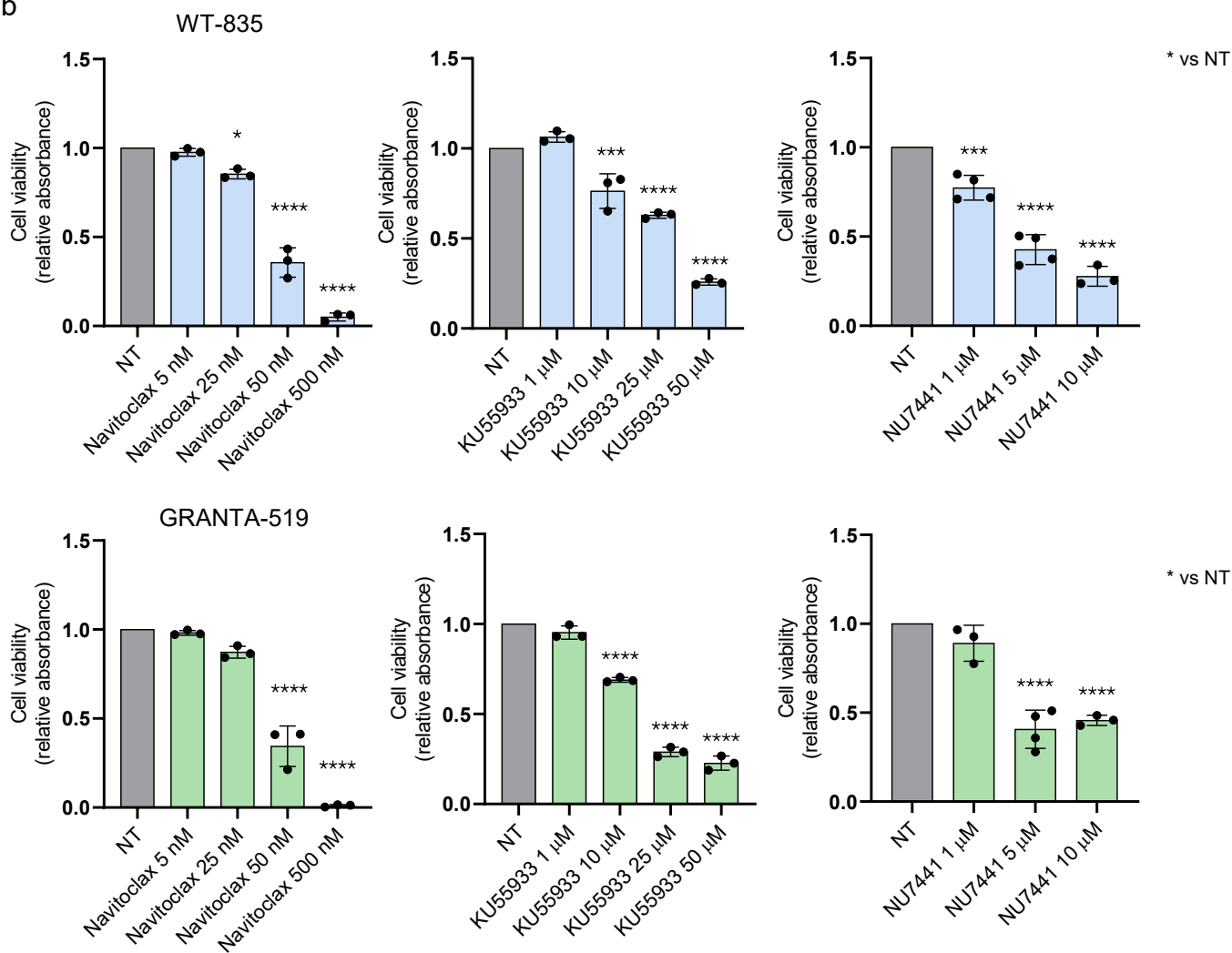


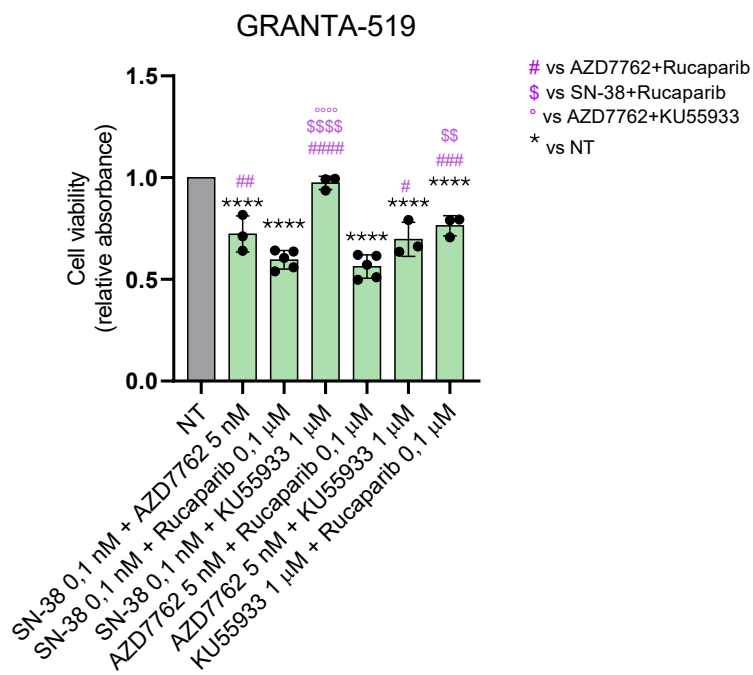
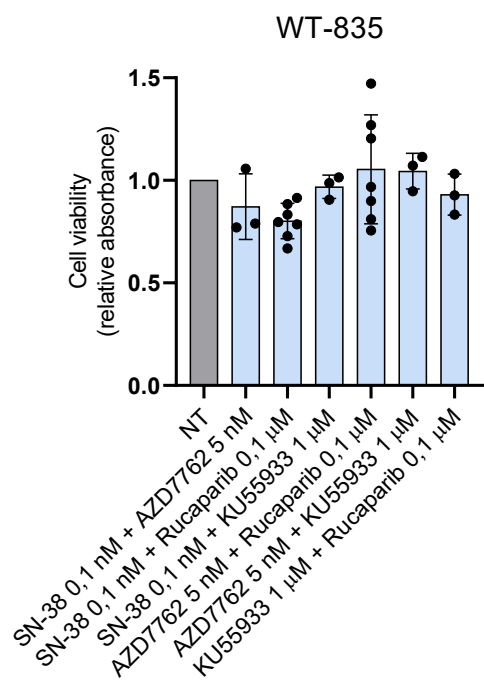
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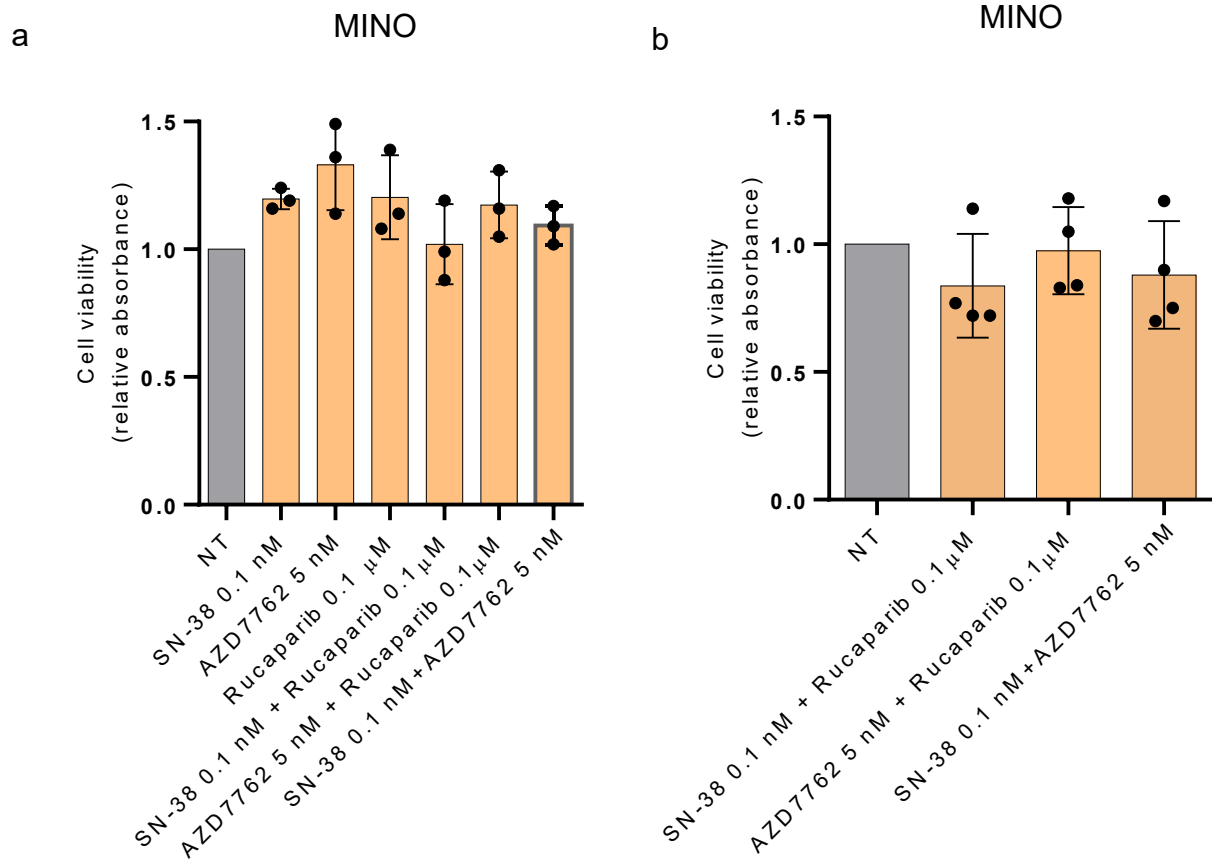
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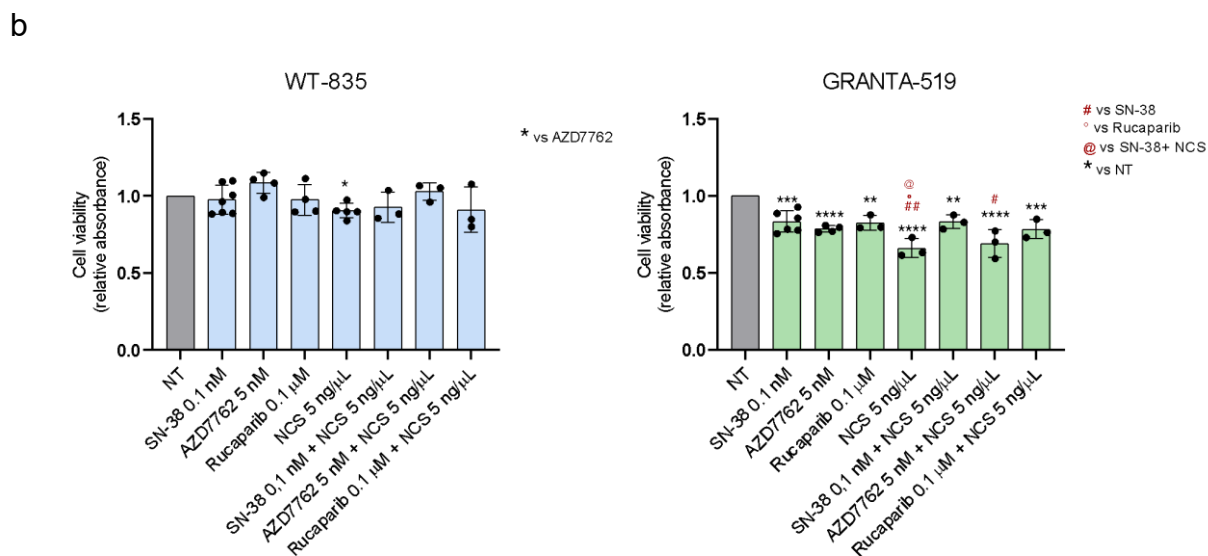
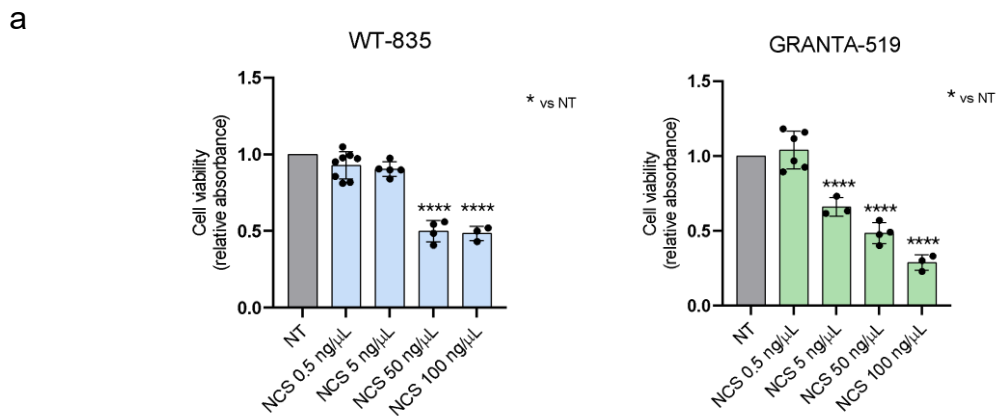
Supplementary Figure 1



Supplementary Figure 2



Supplementary Fig. 3



Supplementary Figure 4

Supplementary Figure Legends

Supplementary Figure 1. MTS Assay on GRANTA-519 and WT-835 cells treated with inhibitors.

MTS cell viability assay in 6×10^3 GRANTA-519 cells and 4×10^3 WT-835 cells treated for 72 hours with the selected inhibitors. Relative cell viability normalized to the respective NT controls is shown. (a) Toxicity test of three different dilutions of DMSO. Inhibitors were diluted at lower concentration than 1:1000 of DMSO. (b) Viability assay of Navitoclax, KU55933 and NU7441 at three concentration showing higher sensitivity of WT-835 than GRANTA-519 cell lines ($N \geq 3$). All data are reported as fold change relative to NT samples. ONE-WAY ANOVA was used for statistical analyses.

Supplementary Figure 2. Low-dose inhibitor combinations effect GRANTA-519 and WT-835 cells viability.

MTS cell viability assay in 6×10^3 GRANTA-519 cells and 4×10^3 WT-835 cells treated for 72 hours with KU55933, SN-38, AZD7762 and Rucaparib inhibitors and their combinations. Relative cell viability normalized to the respective NT controls is shown ($N \geq 3$). All data are reported as fold change relative to NT samples. ONE-WAY ANOVA was used for statistical analyses.

Supplementary Figure 3. MTS assay on MINO cells show no effects of low-dose inhibitor combinations.

MTS assay in 6×10^3 MINO cells for 72 hours or 6 days was assessed with the selected inhibitors. Relative cell viability normalized to the respective NT controls is shown. (a, b) Viability assay of single inhibitors or their combinations in MINO cell line treated for 72 h (a) or 6 days (b) is reported ($N=3$). All data are reported as fold change relative to NT sample. ONE-WAY ANOVA was used for statistical analyses.

Supplementary Figure 4. MTS assay on GRANTA-519 and WT-835 cells treated with NCS and/or inhibitors.

MTS cell viability assay in 6×10^3 GRANTA-519 cells and 4×10^3 WT-835 cells treated for 72 hours with the selected inhibitors. Relative cell viability normalized to the respective NT controls is shown. (a) NCS effect on viability is shown at three different doses. (b) Viability assay of 0.1 nM SN-38, 5

nM AZD7762 and 0.1 μ M Rucaparib in combination with 5ng/ul of NCS($N \geq 3$). All data are reported as fold change relative to NT samples. ONE-WAY ANOVA was used for statistical analyses.