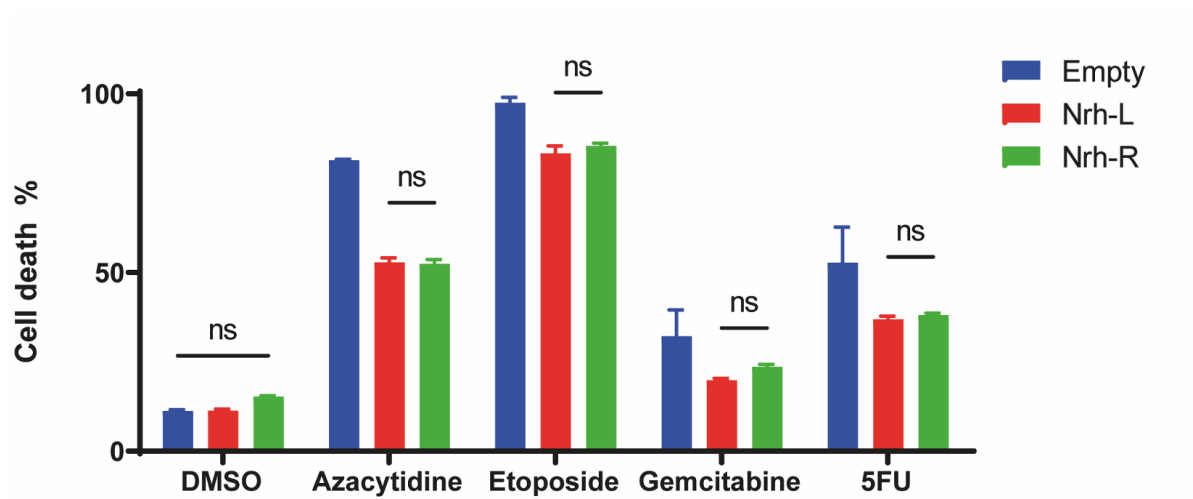
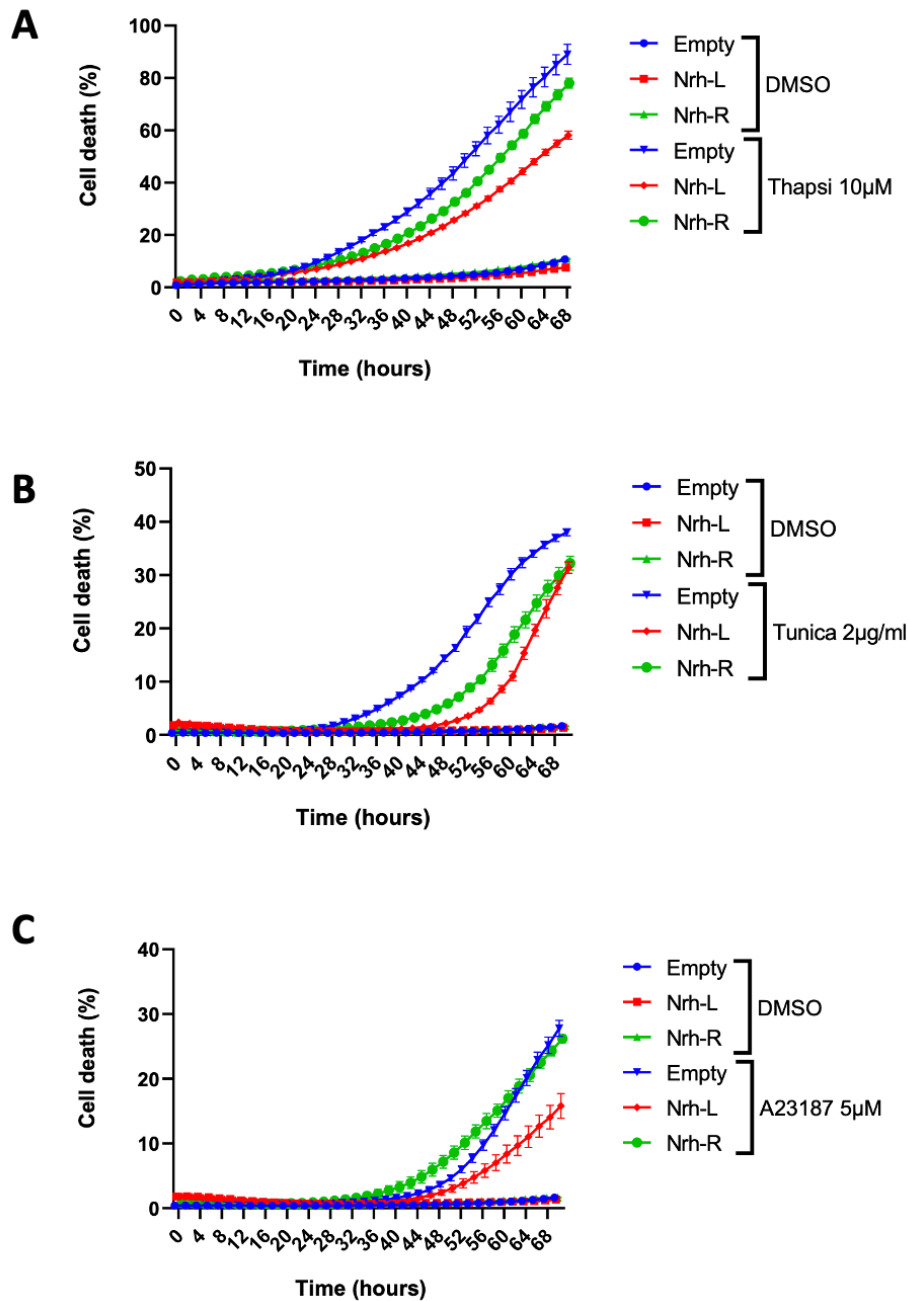


Supplementary Figure S1. Effect of Nrh-L/R variants on cell death induced by chemotherapy agents



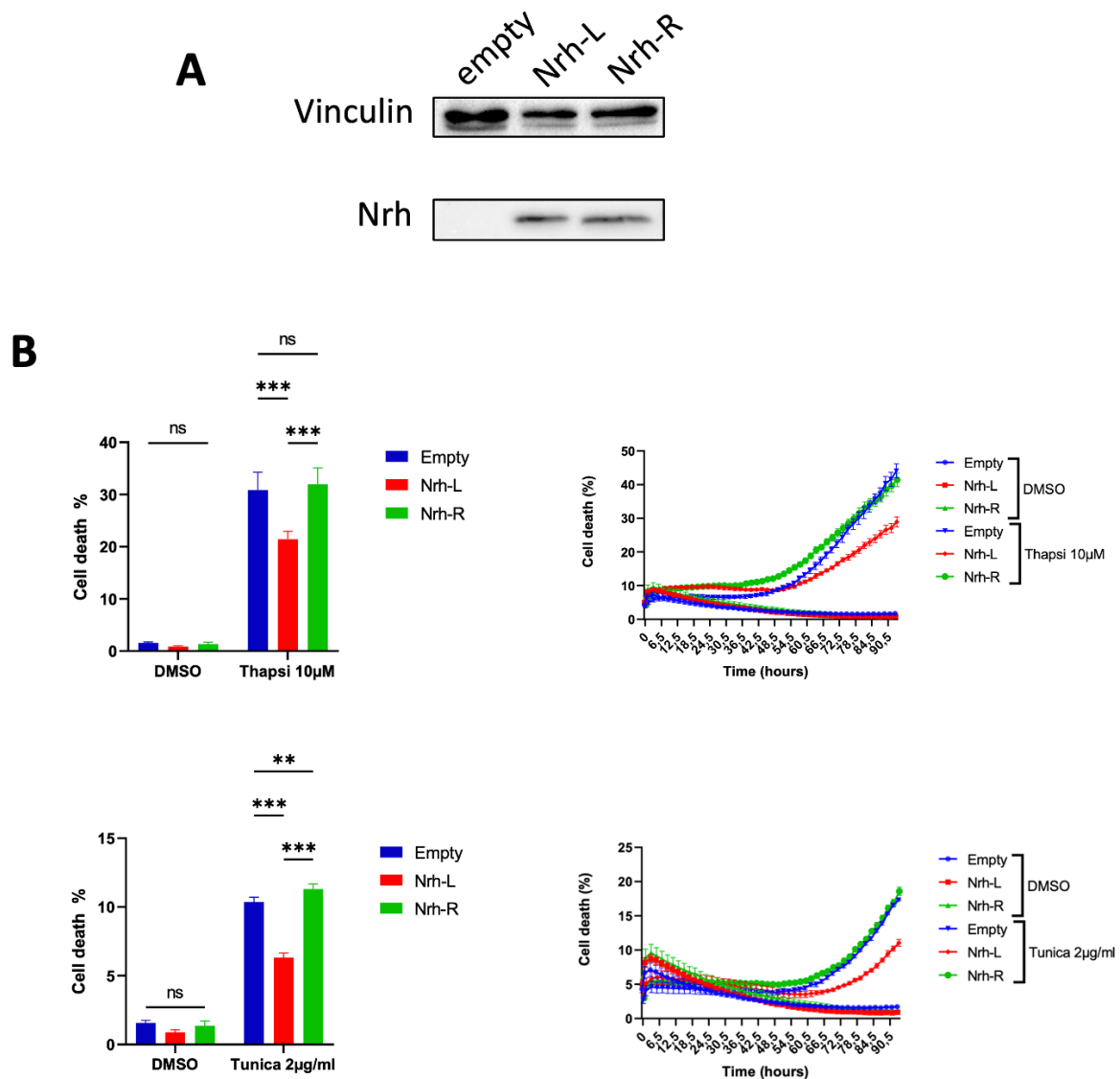
HeLa cells were transfected by the following plasmids: (pCS2⁺), (pCS2⁺-Flag Nrh-L) or (pCS2⁺-Flag Nrh-R), were treated with either 50 μ M of Azacytidine for 40 hours, 25 μ M of Etoposide or 5 μ M of Gemcitabine or 150 μ M of 5-Fluorouracil for 72 hours. Cell death percentage at the corresponding time points is illustrated by histograms.

Supplementary Figure S2. Effect of Nrhh-L and Nrhh-R with respect to Ca^{2+} stress inducers (Hela cells, time course analyses).



Cell death quantification (SytoxGreenTM-positive cells), in Hela cells stably transfected with pCSII empty vector, pCSII Flag Nrhh-L or pCSII Flag Nrhh-R. Time course analyses were carried out on cells treated as follows, Thapsigargin (Thapsi) 10 μM (A), Tunicamycin 2,5 μM (B), A23187 calcium ionophore 5 μM (C).

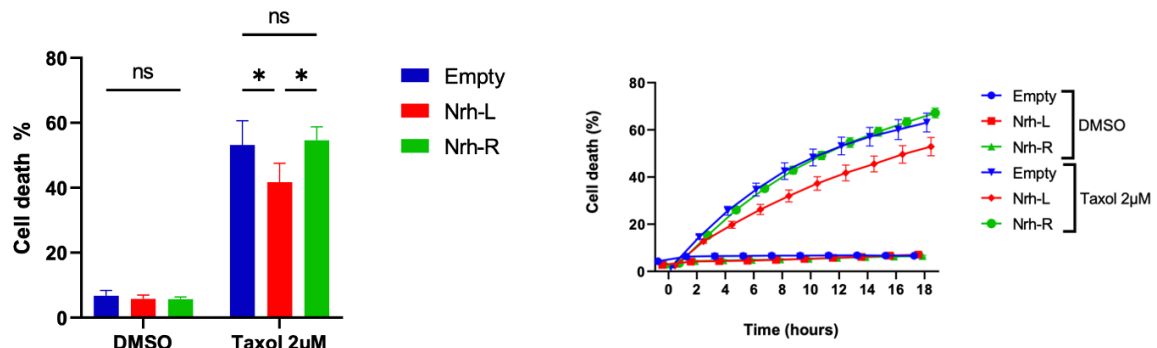
Supplementary Figure S3. Effect of Nrhl-L/R variants on cell death induced by Ca^{2+} stress inducers (MCF-7 breast cancer cells).



(A) Western blotting. Nrhl expression in MCF-7 cells transfected with the pCSII empty vector or pCSII vector harboring Flag-tagged Nrhl-R or Nrhl-L ORFs (50 µg of cell lysate). Vinculin was used for calibration.

(B) Cell death quantification (SytoxGreenTM-positive cells), in MCF-7 cells transfected with pCSII empty vector, pCSII Flag Nrhl-L or pCSII Flag Nrhl-R. Histograms show cell death expressed as mean ± SEM (n = 3 representative experiments) in the following conditions: Thapsigargin (Thapsi) 10 µM for 80 h (top left panel) or Tunicamycin (Tunica) 2 µM for 80 h (bottom left panel). Corresponding time course analyses are shown (right panels).

Supplementary Figure S4. Effect of Nrhl-L/R variants on cell death induced by paclitaxel (MCF-7 breast cancer cells).



Cell death quantification (SytoxGreenTM-positive cells), in MCF-7 cells transfected with pCSII empty vector, pCSII Flag Nrhl-L or pCSII Flag Nrhl-R. Histograms show cell death expressed as mean $\pm$ SEM (n = 3 representative experiments) following treatment with Paclitaxel (Taxol) 2µM (left panel) for 12h. Corresponding time course analyses are shown (right).