

Simulating and predicting cellular and in vivo responses of colon cancer to combined treatment with chemotherapy and IAP antagonist Birinapant/TL32711.

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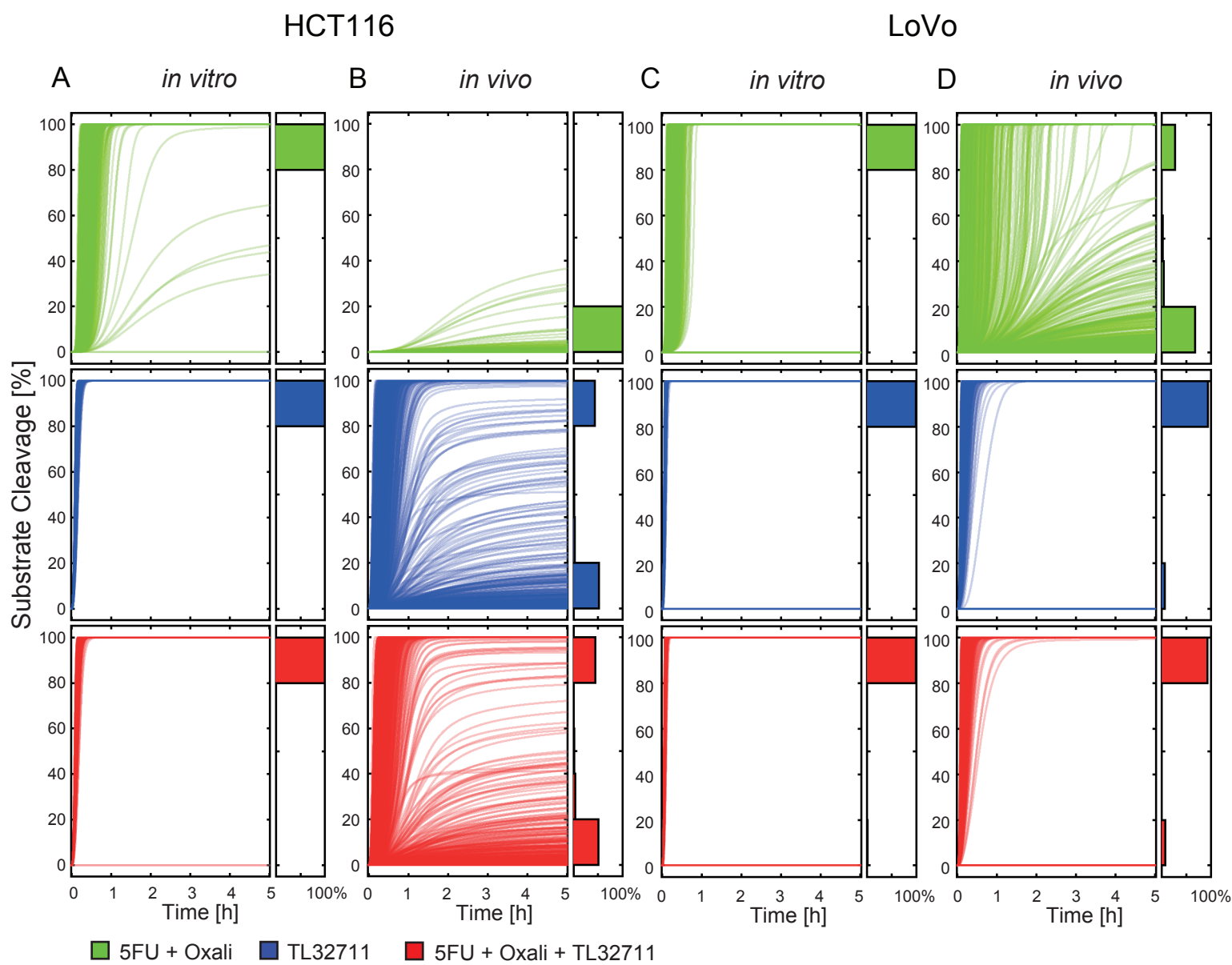
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Sup. Fig. 1



Supplemental Figure 1: Mathematical simulations of *in vitro* and *in vivo* apoptosis competency subsequent to MOMP. (A-D) The behaviour of ensembles of 1,000 cells per treatment condition was mathematically modelled for HCT116 cells *in vitro* (A) and *in vivo* (B) or LoVo cells *in vitro* (C) and *in vivo* (D). Cell ensembles were parameterised as described in the main manuscript. Each line represents the behaviour of one cell in the modelled ensemble. High amounts of substrate cleavage indicate that modelled cells are capable of executing apoptosis efficiently. Absent substrate cleavage or low amounts of substrate cleavage indicate failure to efficiently execute apoptosis. The simulation results indicate that post-MOMP heterogeneity is particularly prominent at *in vivo* conditions.