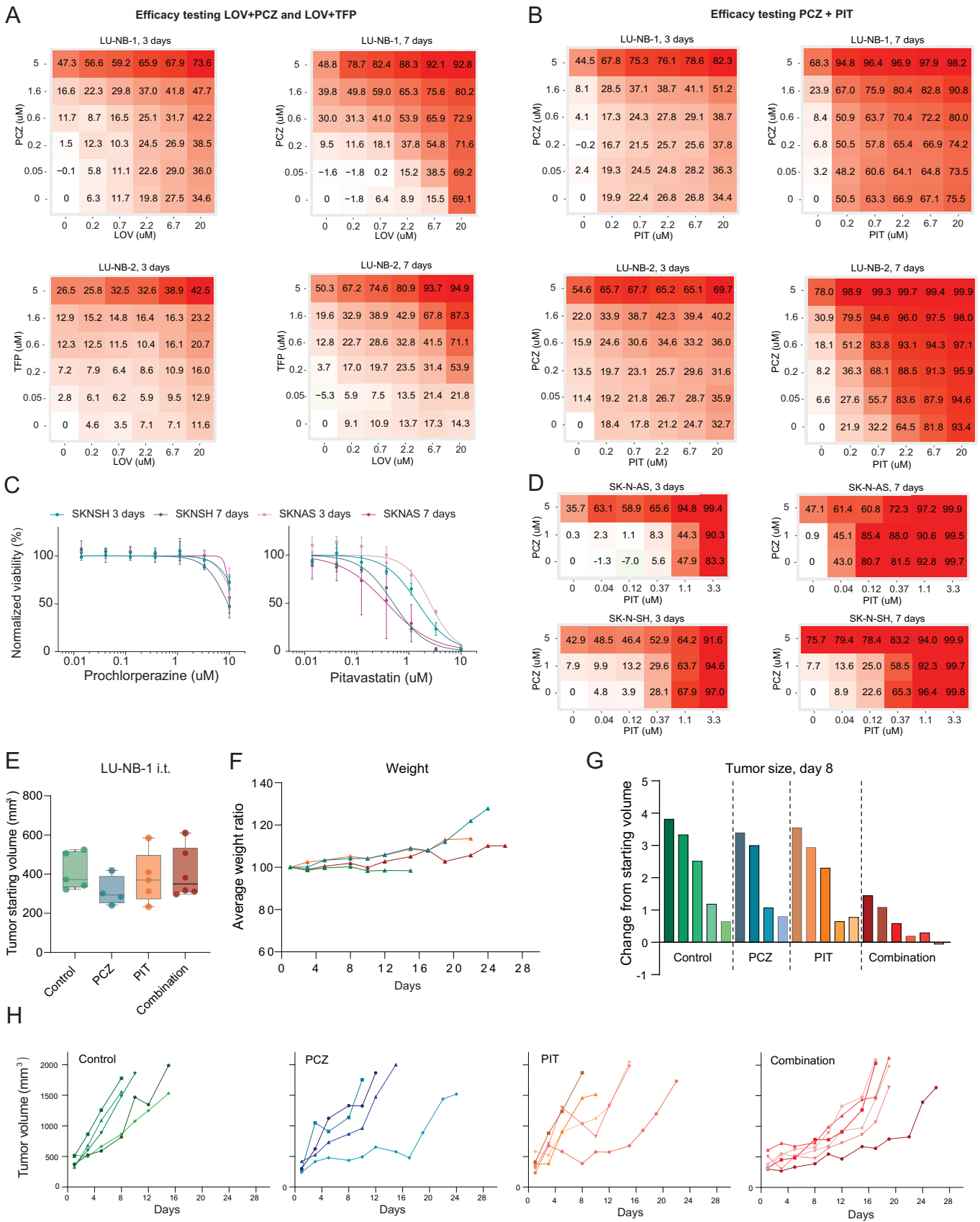
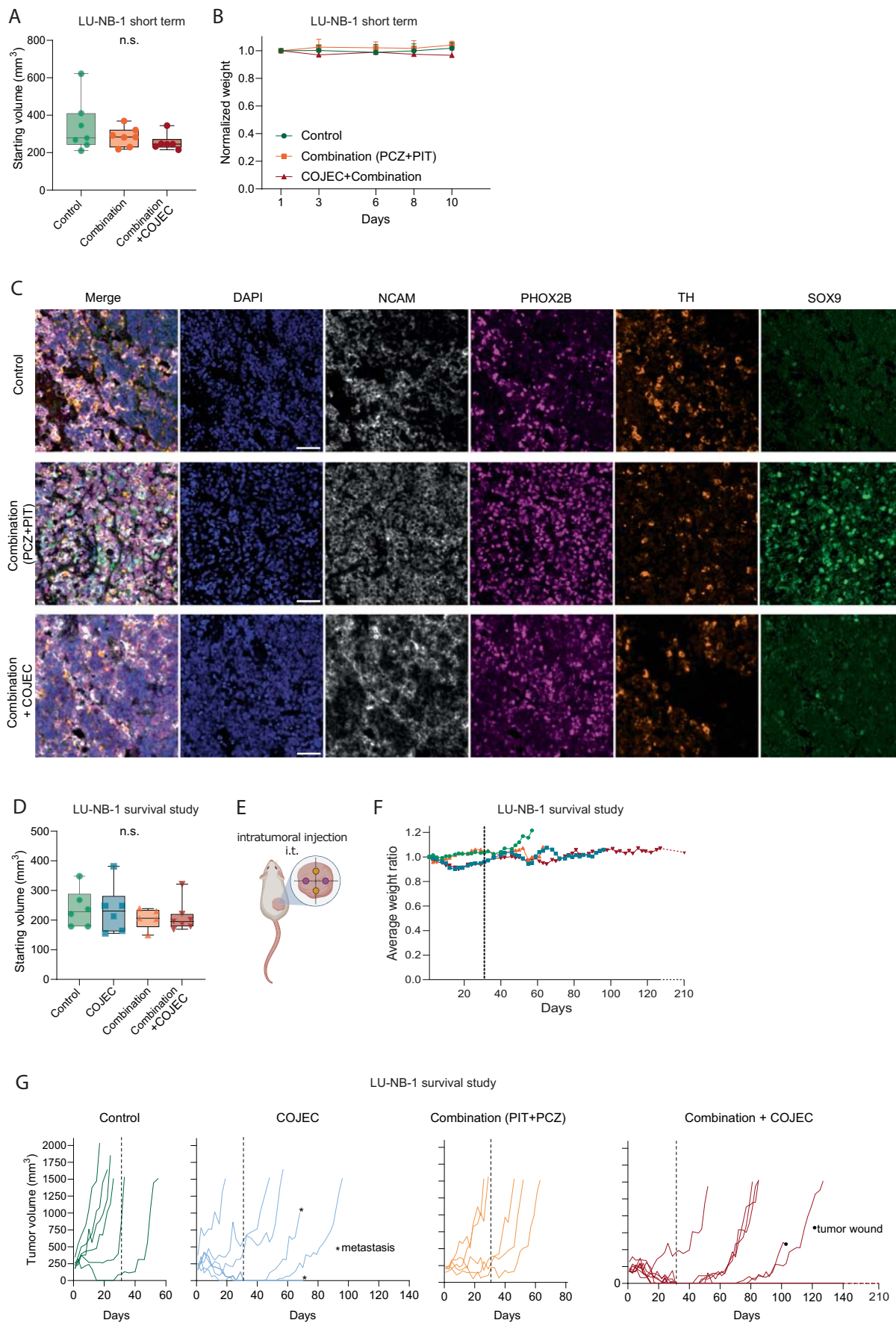


Expanded View Figures

Figure EV1. Single drug efficacy and PCZ + PIT combination synergy.

(A) Dose-response curves of 3 or 7 days ($n = 2$). (B) Synergy matrix of the PCZ + PIT combination for LU-NB-1 and LU-NB-2 over 3 or 7 days ($n = 2$). (C) Response of non-MYCN amplified NB cell lines, SK-N-SH and SK-N-AS to Prochlorperazine and Pitavastatin over 3 or 7 days (data represent mean $\pm$ SD; $n = 3$). (D) Synergy matrix of the PCZ + PIT combination for SK-N-SH and SK-N-AS over 3 or 7 days ($n = 3$). (E) Subcutaneous LU-NB-1 PDXs tumor starting volume (control $n = 5$, PCZ $n = 4$, PIT $n = 5$, and combination $n = 6$, one-way ANOVA followed by Tukey's multiple comparisons test, n.s., boxes represent the interquartile range and whiskers indicate minimum and maximum values). (F) Average weight ratio per group. (G) Tumor size change from baseline for each mouse at day 8 (last day of all mice alive). (H) Tumor growth of individual mice over time. PCZ prochlorperazine, TFP trifluoperazine, PIT pitavastatin, i.t. intratumoral injection. Source data are available online for this figure.





◀ **Figure EV2. PCZ + PIT enhances standard-of-care COJEC compared to COJEC alone.**

Short-term study. (A) LU-NB-1 PDXs tumor starting volume (control $n = 7$, combination $n = 7$, and combination + COJEC $n = 6$, one-way ANOVA followed by Tukey's multiple comparisons test, n.s. boxes represent the interquartile range and whiskers indicate minimum and maximum values). (B) Average weight ratio per group (control $n = 7$, combination $n = 7$, and combination + COJEC $n = 6$; data represent mean $\pm$ SD). (C) Representative images of single marker expression and of co-expression for each treatment group. NCAM = grey, PHOX2B = magenta, TH = orange, SOX9 = green. Scale bar = 50 μ m. Survival study. (D) LU-NB-1 PDXs tumor starting volume (control $n = 6$, COJEC $n = 6$, combination $n = 5$, comb + COJEC $n = 7$, one-way ANOVA followed by Tukey's multiple comparisons test, n.s. boxes represent the interquartile range and whiskers indicate minimum and maximum values). (E) Schematic representation of intratumoral injections. (F) Average weight ratio per group throughout the study. Treatment stop marked with dotted line. (G) Tumor growth of individual mice over time for each of the groups. Treatment stop marked with dotted line. Combination=PCZ + PIT; COJEC- see Fig. 6G; PCZ prochlorperazine, PIT pitavastatin, i.t. intratumoral. Source data are available online for this figure.