Supplementary Figure legends

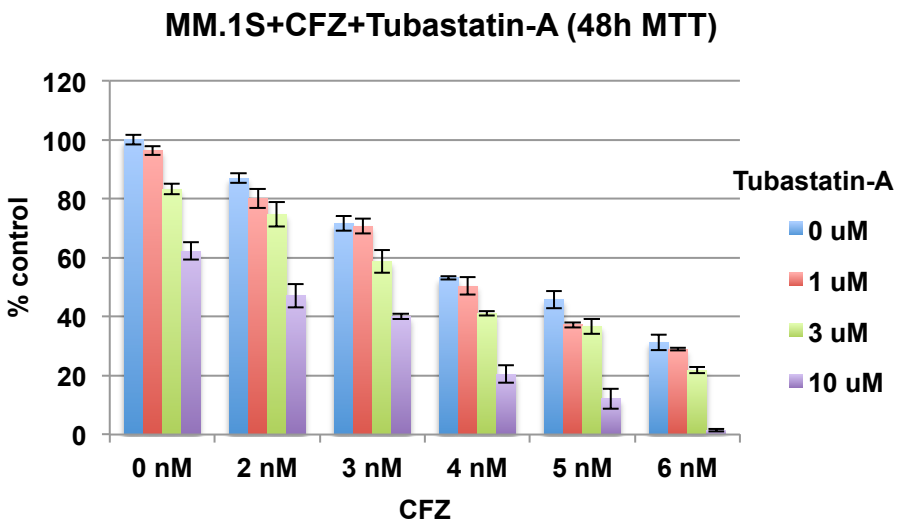
Supplementary Figure 1. Tubastatin-A enhances CFZ-induced cytotoxicity. MM.1S (left) and RPMI8226 (right) cells were cultured with indicated concentration of CFZ in the presence of Tubastatin-A (1- 10 μM) for 48h. Cell toxicity was assessed by MTT assay, and data represent mean ± SD from average of 3 independent experiments. Combination index (CI) was calculated by CalcuSyn software program.

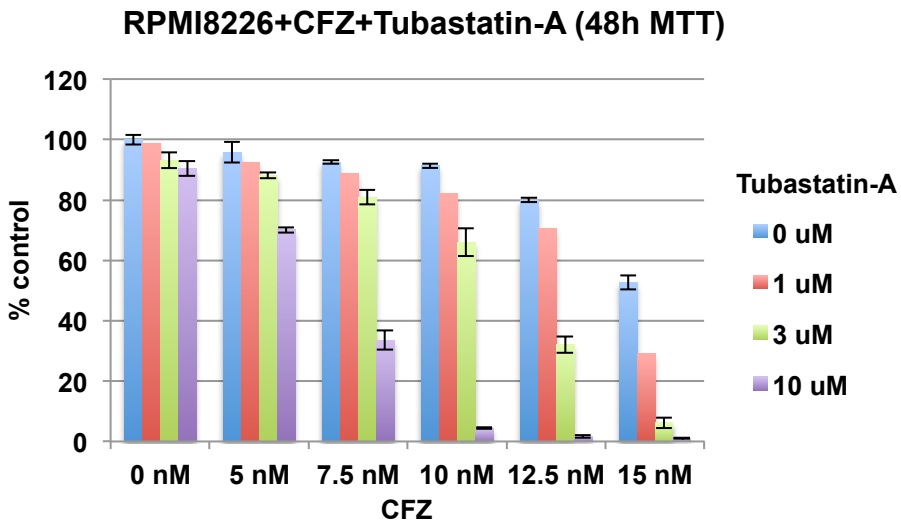
Supplementary Figure 2. MS275 enhances CFZ-induced cytotoxicity in MM.1S and RPMI8226 cells. MM.1S (left) and RPMI8226 (right) cells were cultured with indicated concentration of CFZ in the presence of MS275 (1- 10 μM) for 48h. Cell toxicity was assessed by MTT assay, and data represent mean ± SD from average of 3 independent experiments. Combination index (CI) was calculated by CalcuSyn software program.

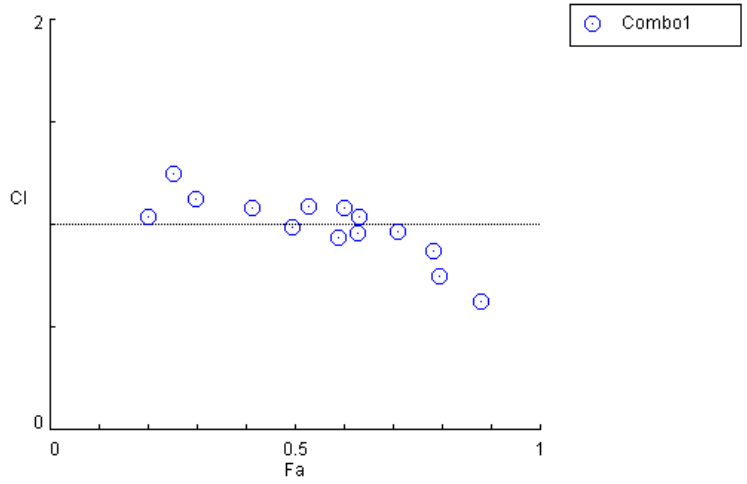
Supplementary Figure 3. Equivalent cytotoxicity induced by CFZ in combination with ACY-1215 or MS275. RPMI8226 cells were cultured with ACY-1215 (2 μM) or MS275 (2 μM) in the absence or presence of CFZ (10 nM) for 16h. Cell toxicity was assessed by MTT assay, and data represents mean ± SD from average of 3 independent experiments.

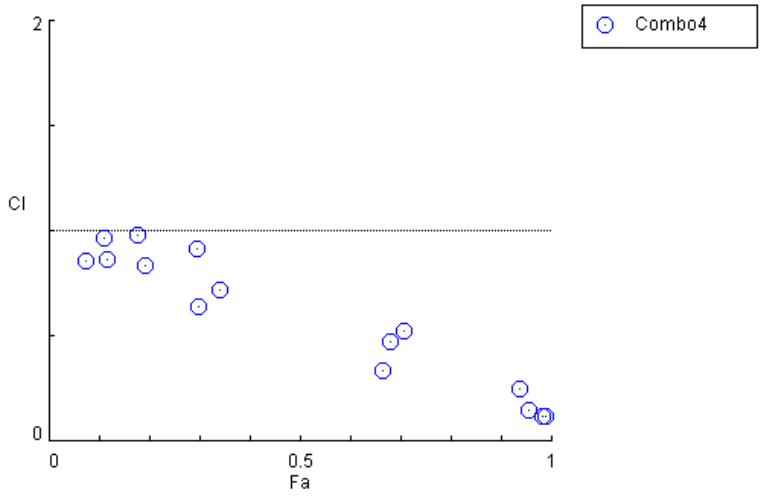
Supplementary Figure 4. Tunicamycin inhibits MM cell growth. MM cell lines were cultured with tunicamycin (0.03 – 3 μg/ml) for 24h. Cell toxicity was assessed by MTT assay, and data represent mean ± SD from average of 3 independent experiments.

Supplementary Figure 5. Inhibitors of caspases rescue cytotoxicity induced by CFZ in combination with ACY-1215 or MS275. (A) Primary MM tumor cells were treated with control media, ACY-1215 (2 μM) with CFZ, or MS275 (2 μM) with CFZ for 16h. Cell lysates were subjected to Immunoblotting with indicated Abs; CF, cleaved fragment. RPMI8226 cells (B) and primary MM tumor cells (C and D) were cultured with control media, ACY-1215 (2 μM) with CFZ, or MS275 (2 μM) with CFZ in the absence or presence of inhibitors of caspase-8 (Casp-8i, 10 μM), caspase-9 (Casp-9i, 10 μM) or caspaspase-10 (Casp-10i, 10 μM) for 16h. Cell toxicity was assessed by MTT assay, and data represent mean ± SD from triplicated cultures.

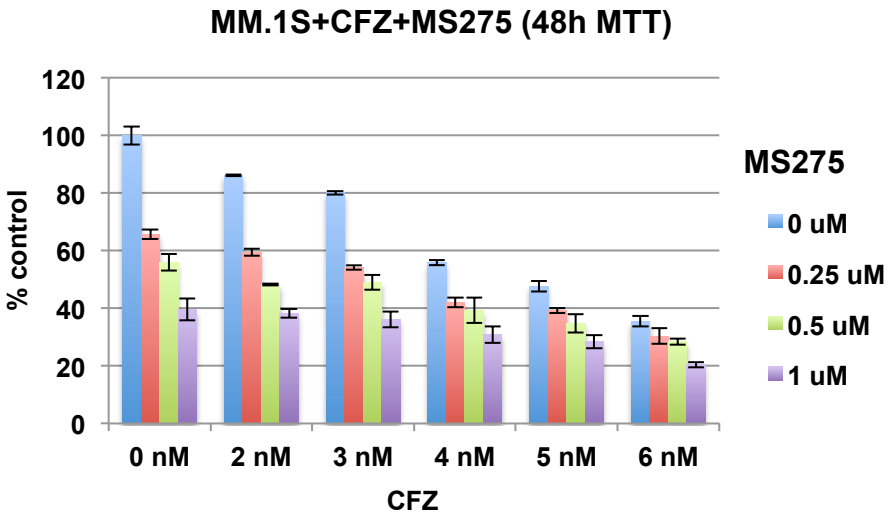


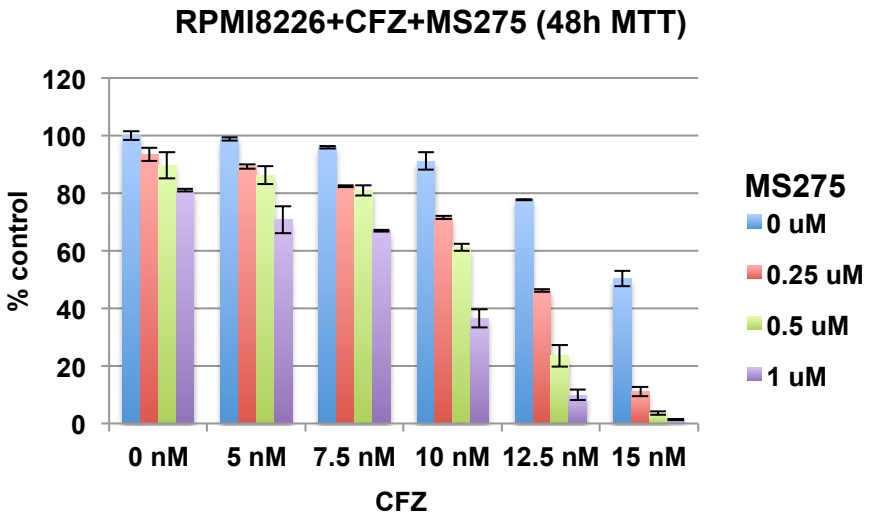


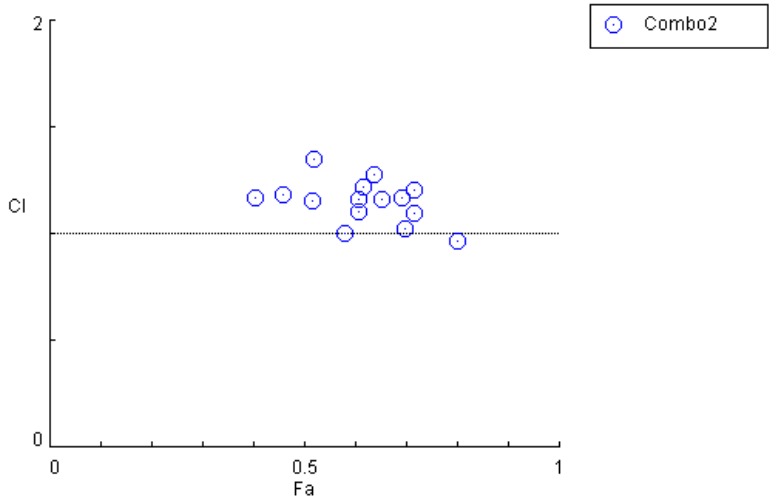


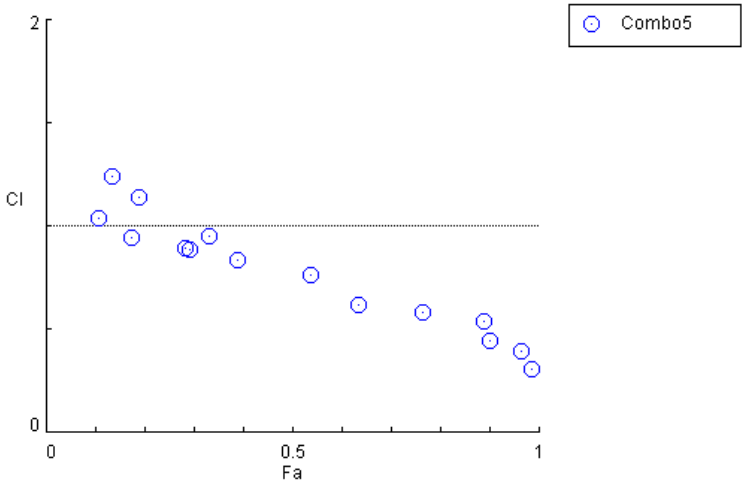


Supplementary Figure S1

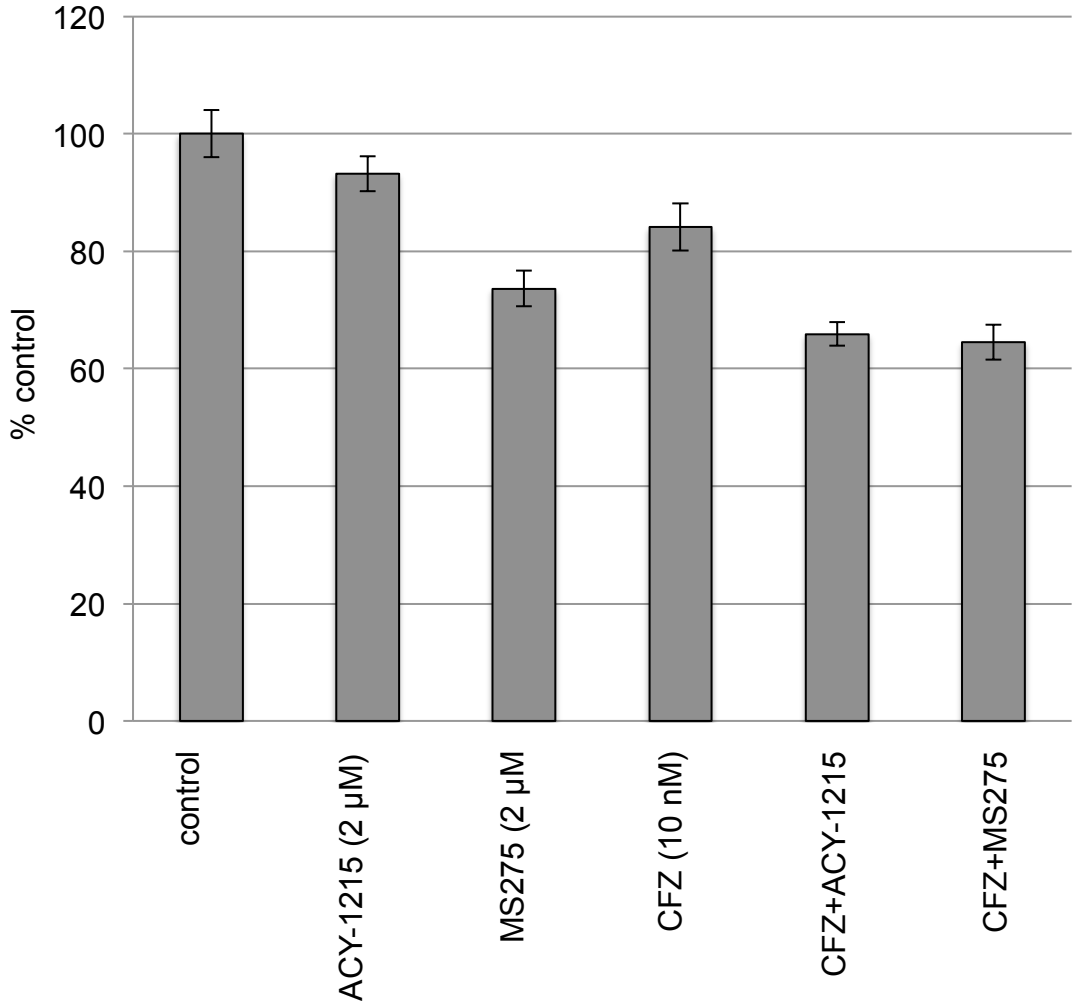




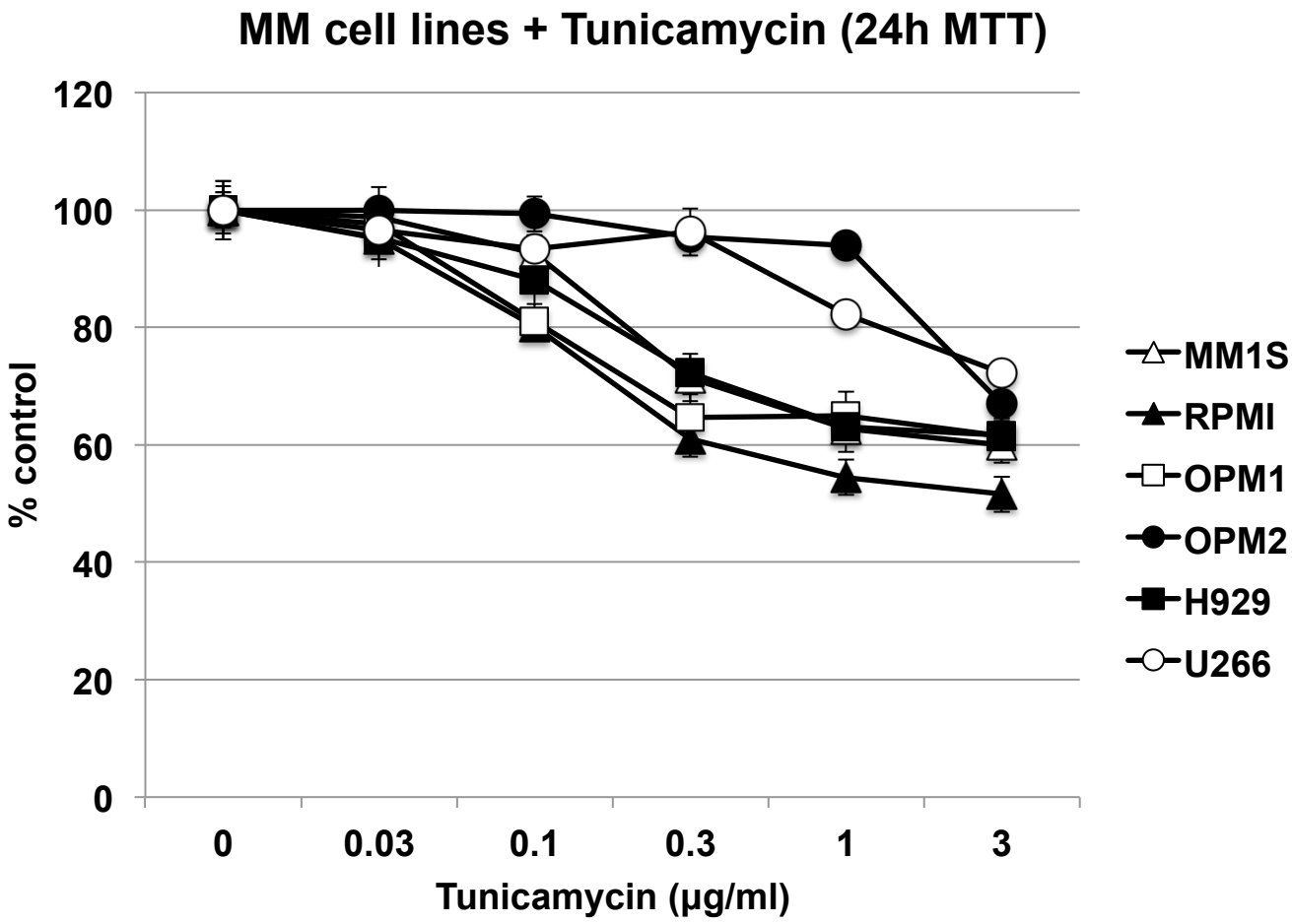




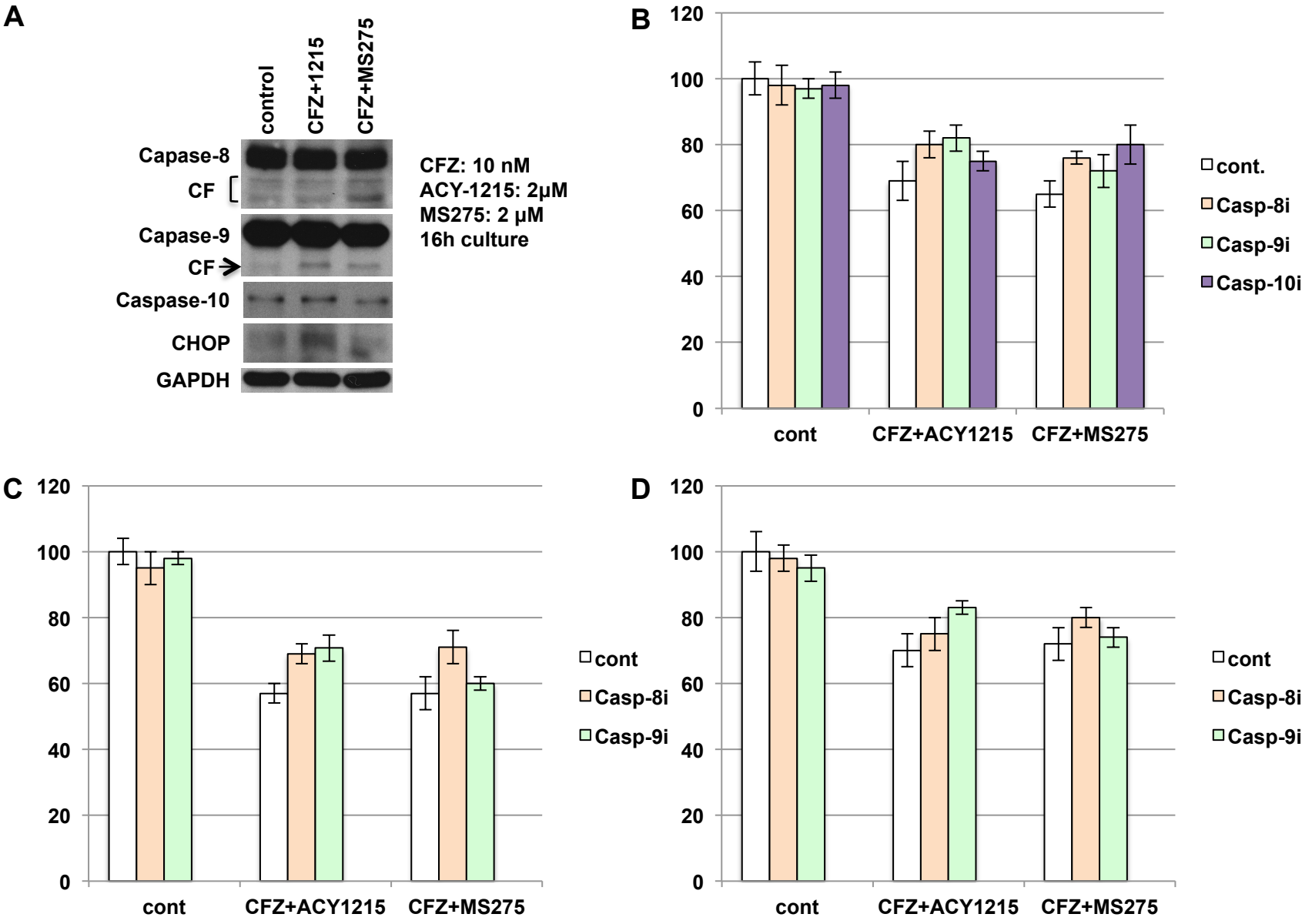
Supplementary Figure S2



Supplementary Figure S3



Supplementary Figure S4



Supplementary Figure S5