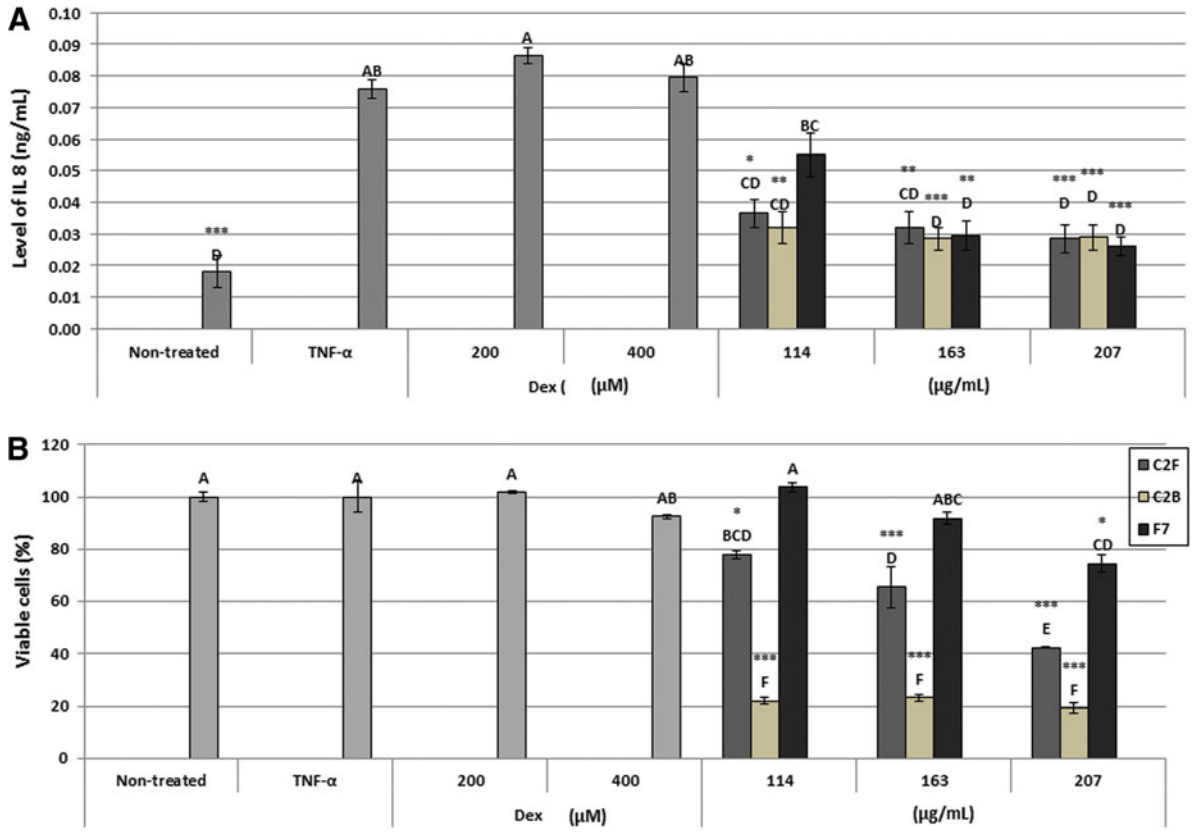

SUPPLEMENTARY FIG. S2. **(A)** Anti-inflammatory activity at different concentrations of *C. sativa* ethanolic fresh flower extracts (C2F; 114–207 μg/mL), baked flower extracts (C2B; 114–207 μg/mL), F7 from fresh flower extracts (an HPLC fraction of C2F at concentrations of 114–207 μg/mL), and Dex at 200 and 400 μM on CaCO2 cells measured as level of IL-8 (ng/mL). CaCO2 were seeded (50,000 per well) in triplicate in 500 μL growing media and incubated for 24 h at 37°C in a humidified 5% CO_2–95% air atmosphere. Cells were treated with 300 ng/mL TNFα and 50 μL of *C. sativa* ethanol extract of C2F or fractions for 4 h. Nontreated are the cells without TNFα and treatments. Levels of IL-8 were measured from the supernatant using a commercial kit. Values (ng/mL) were calculated relative to a TNFα-treated control. **(B)** Determination of CaCO2 cell viability using Alamar Blue fluorescence (resazurin assay) as a function of live cell number. Cells were seeded and treated as described in **(A)**. Next, the cells were incubated with Alamar Blue for 2 h. Relative fluorescence at the excitation/emission of 544/590 nm was measured. Values were calculated as percentage of live cells relative to the nontreated (cells without TNFα and treatments) control after reducing the autofluorescence of Alamar Blue without cells. Error bars indicate $\pm$ SE ($n = 3$). *, **, *** Indicate data statistically significantly different in comparison with the control (TNFα-treated cells) at $p \leq 0.01$, $p \leq 0.001$, $p \leq 0.0001$, respectively. Levels with different letters are significantly different from all combinations of pairs by Tukey's HSD.