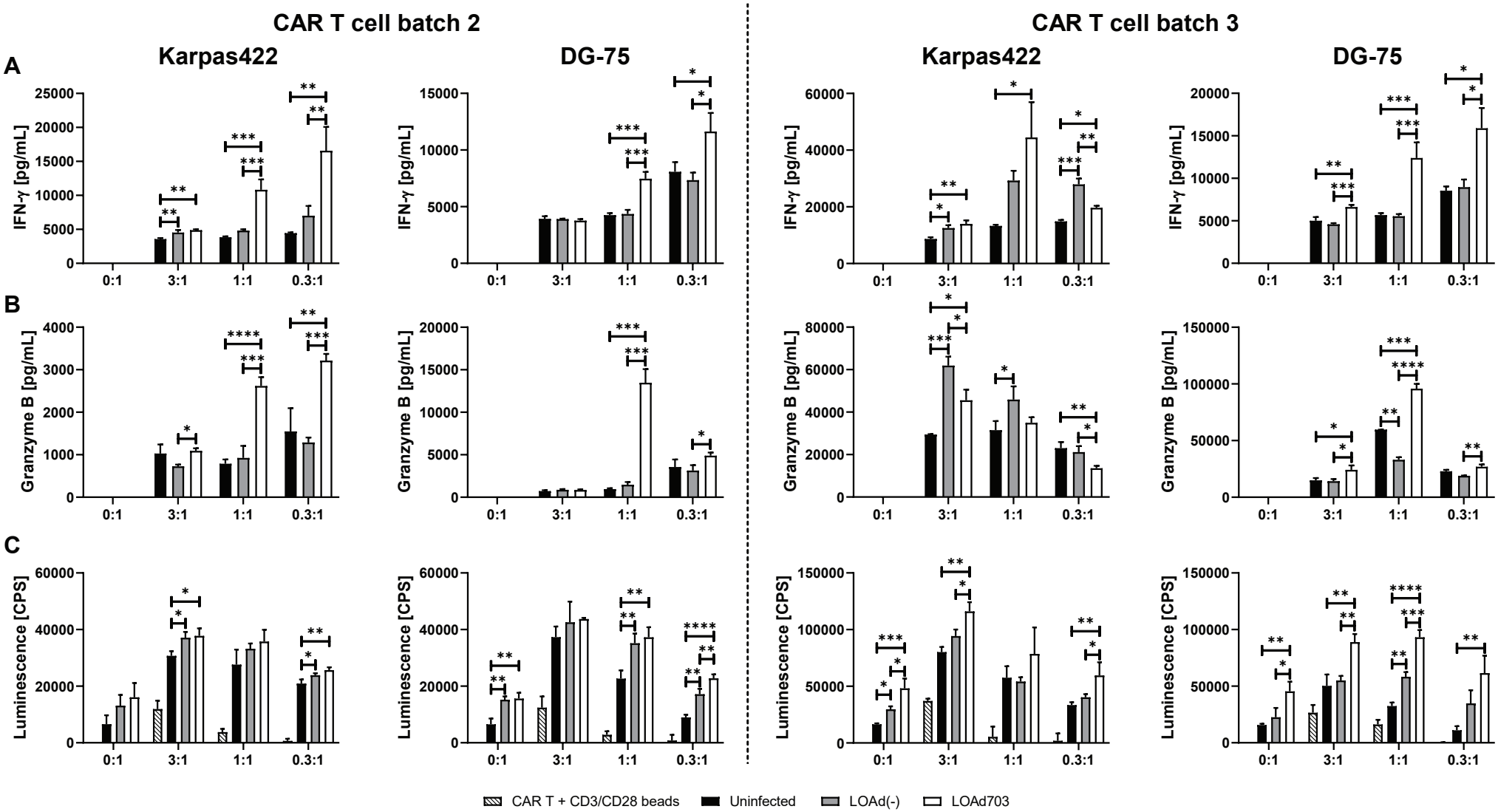
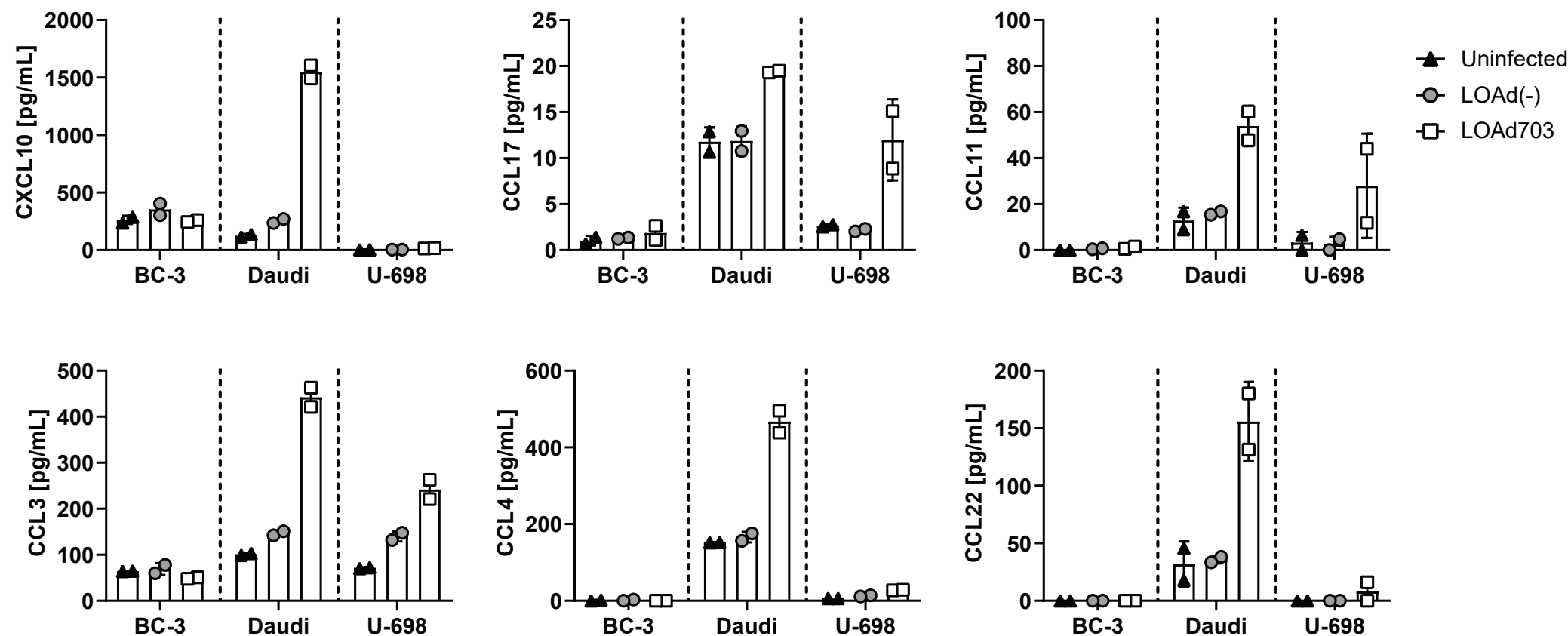


Supplementary Figure 1



**Supplementary Figure 1: CAR T cell killing assay repeats** The target cells Karpas422 and DG-75 cells were infected with LOAd(-), LOAd703 (100 MOI) or left uninfected and cultured for 48 hours. CAR T cells were thawed and cultured in 100 IU/ml IL-2 for 48 hours. At 48 hours, both target and effector cells were harvested and counted.  $5 \times 10^4$  target cells were plated per well in triplicates in 96-well plates and CAR T cells were added to achieve an effector:target cell ratio of 3:1-0.3:1. 48 hours after the co-culture set-up, cell culture supernatants were taken and analyzed for release of IFN- $\gamma$  (A), Granzyme B (B) and lactate dehydrogenase (LDH) (C). Bar graphs show mean  $\pm$  SD of three technical replicates. In C, background signal from medium and CAR T cells alone was subtracted from LDH signals and LDH release from CAR T cells stimulated with CD3/CD28 beads is shown as control for activation-induced cell death of CAR T cells. Statistical differences comparing all groups to each other were analyzed with one-way ANOVA followed by Tukey's multiple comparisons test (\* $p < 0.05$ , \*\* $p < 0.01$ , \*\*\* $p < 0.001$ , \*\*\*\* $p < 0.0001$ ). In C, the CD3/CD28 bead control was excluded from statistical analysis.

Supplementary Figure 2



**Supplementary Figure 2: Chemokines expressed by BC-3, Daudi and U-698 cells** BC-3, Daudi and U-698 cells were infected with LOAd(-), LOAd703 (100 MOI) or left uninfected and cultured for 48 hours. Cell culture supernatants were taken and analyzed for chemokine expression with V-PLEX Chemokine Panel 1 (Meso Scale Diagnostics). Bar graphs show mean ± SD of two biological replicates.