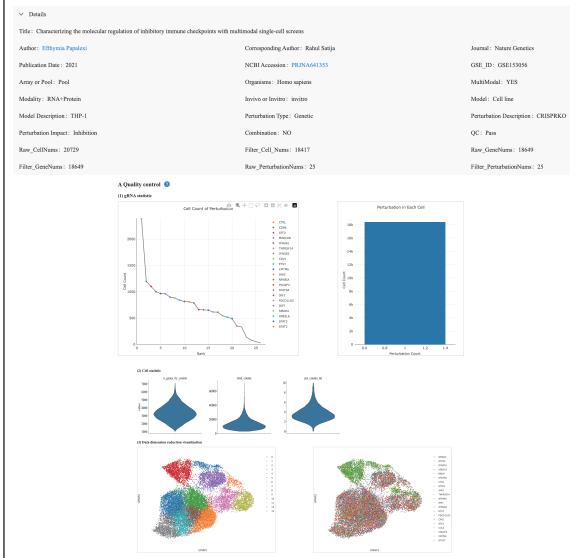
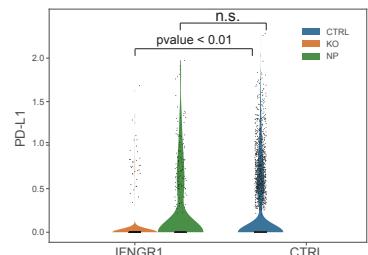
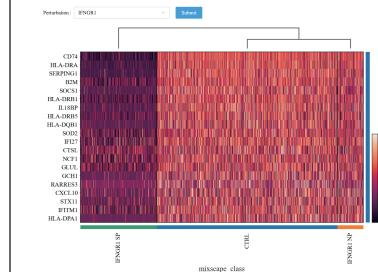


A Basic information

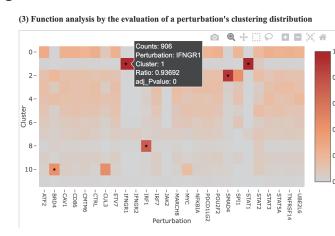
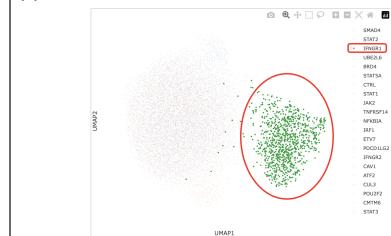


B Data denoising

(1) The ratio of non-perturbed cel

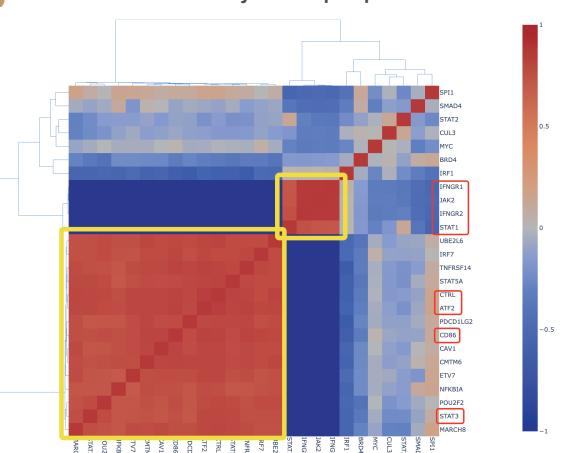


(2) Data dimension reduction visualization after denoising



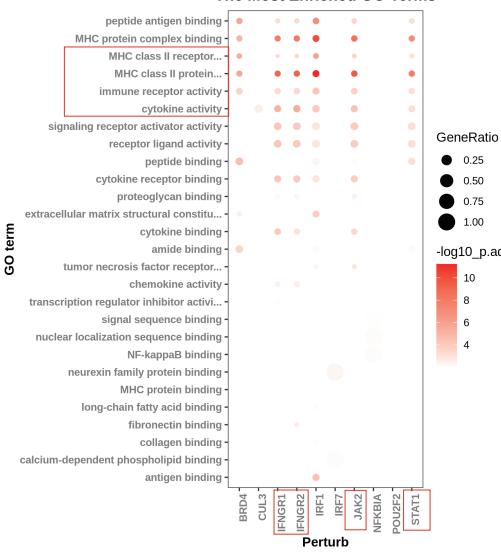
C The relationship between perturbations

Cosine similarity heatmap of perturbations



D Functional analysis of perturbation effect

The Most Enriched GO Terms



(2) Effect analysis by characterizing a perturbation's association with the MSigDB signatures

