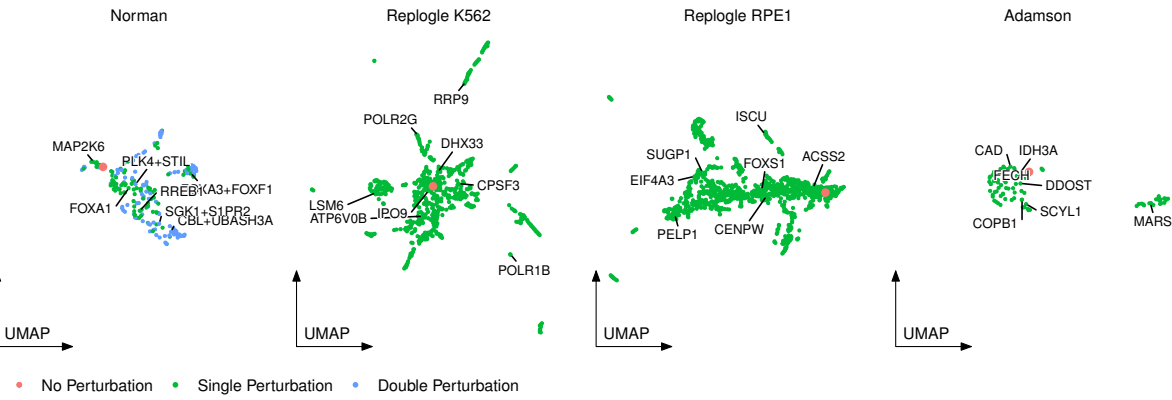


(A) Table: Dataset overview

Dataset (cell line)	Size (Genes \times Cells)	Perturbations
Norman (K562)	19 264 \times 84 143	124 double and 100 single perturbations
Replogle (K562)	5 000 \times 162 264	1 088 single perturbations
Replogle (RPE1)	5 000 \times 161 423	1 535 single perturbations
Adamson (K562)	5 060 \times 65 899	81 single perturbations

(B) UMAP of the datasets



(C) Change of perturbation target gene expression

