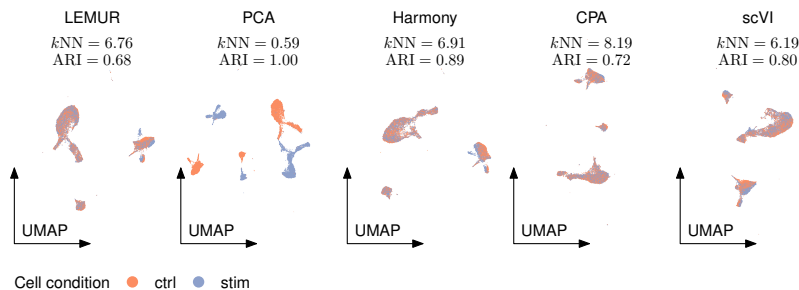
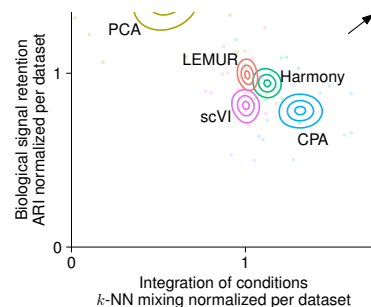


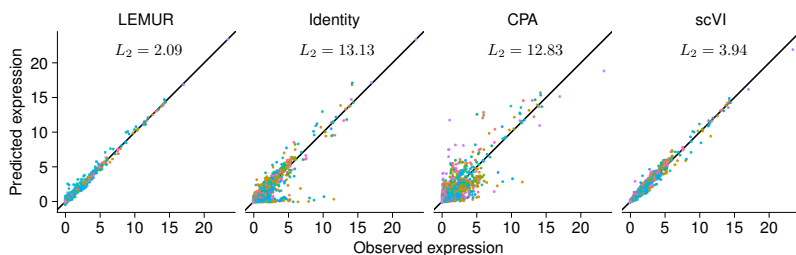
(A) Latent space (Z) of Lupus patient samples treated with IFN- β (Kang)



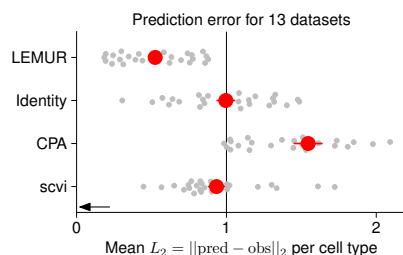
(B) Integration Performance



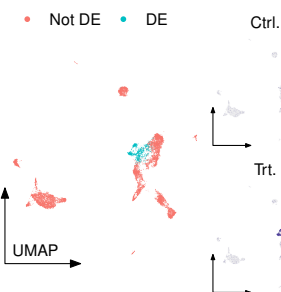
(C) Predicted vs. observed gene expression per gene and cell type



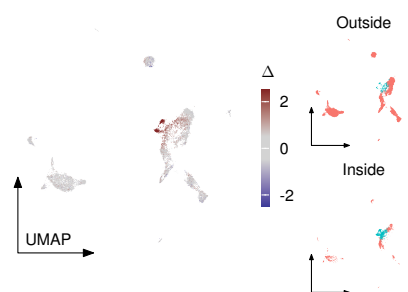
(D) Prediction performance



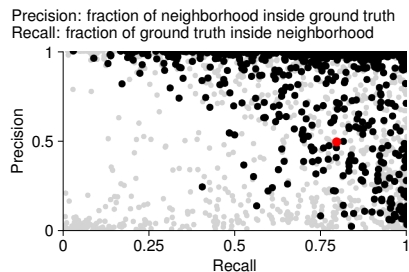
(E) Simulated DE



(F) Predicted DE and neighborhood

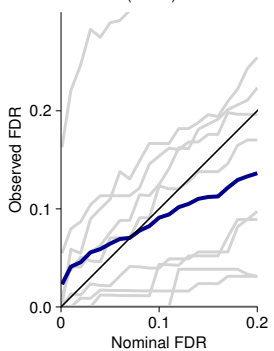


(G) Neigh. comparison with ground truth



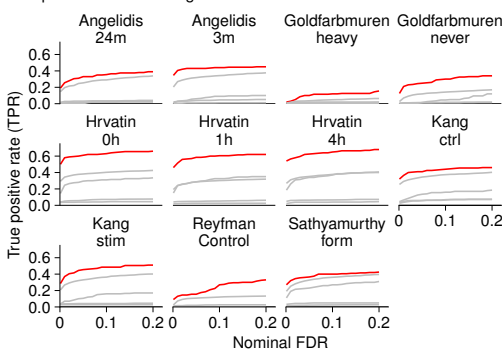
(H) FDR control

Eleven datasets (mean)



(I) DE-test Power

Comparison of LEMUR against four other DE. methods



(J) Power by no. cell with expr. change

Fraction of simulated genes (grey) with FDR < 0.1 (blue)

