## Consistency GSE130931 GSE142647 GSE150068 GSE158941 GSE163505 tSNE tSNE tSNE GSE164017 GSE178765 GSE179714 GSE179831 GSE184806 tSNE tSNE tSNE tSNE tSNE Simulation Dyngen Linear Walk muscat Random Walk scDesign2 tSNE tSNE tSNE tSNE tSNE **Downsampling (original)** Fibroblasts (ss3) Fibroblasts 2 (ss3) HEK (ss3) mcSCRB siRNA KD (ss3) tSNE tSNE tSNE tSNE tSNE Downsampling (reduced) Fibroblasts (ss3) Fibroblasts 2 (ss3) HEK (ss3) mcSCRB siRNA KD (ss3) tSNE tSNE tSNE tSNE tSNE