## **Norman** Seen0 Top50 Seen2 Top50 1.2 Buffering 1.0 Synergy 0.8 S 0.6 ∑ 0.4 0.2 0.0 **GEARS** GEARS SCELMO **Biolord** CPA SCELMO **Biolord** CPA scGPT NoPerturb NoPerturb Baseline\_2 PerturbNet scGPT Baseline\_2 PerturbNet scFoundation scFoundation