## Mean runtime (min) 120 augur original -2.4 19.9 3.1 3.2 3.9 3.4 6.4 8.8 augur pertpy -4.3 11.3 1.7 2.0 1.8 1.8 2.1 3.7 100 5.6 cinemaot original -0.4 0.3 0.3 1.9 4.5 cinemaot pertpy -0.5 0.4 0.6 18.6 80 dge -1.2 3.3 4.5 5.6 7.6 2.1 2.5 drug2cell original -7.1 31.2 1.7 1.9 2.0 3.7 tool 60 5.9 19.6 drug2cell pertpy -1.7 2.4 3.7 3.4 guide assignment -0.5 0.7 0.6 8.0 0.6 2.0 2.2 7.7 40 mixscape pertpy -3.7 5.5 46.5 120.9 pert space -1.3 1.0 8.0 1.5 2.6 20 sccoda original -1.8 2.5 3.3 5.8 2.9 3.1 2.8 sccoda\_pertpy -1.5 1.4 1.7 1.0 1.5 3.4 4.8 1000 10000 50000 5000 3000000 100000 500000 1000000 n obs