Runtime benchmark (blue=ours, orange=original) mixscape dialogue milo augur 400 8000 -2500 12000 350 10000 2000 6000 300 Time (s) 250 1500 High 1500 H Time (s) Time (s) 8000 4000 6000 4000 150 2000 500 2000 100 50 0 drug2cell guide_assignment dge pert_space 400 300 120 350 800 250 300 -100 (s) amil 400 Time (s) in 200 (s) 200 (s) 150 Time (s) 250 80 150 · 100 60 200 100 -50 cinemaot sccoda 225 -800 200 -600 175 Time (s) (s) 150 125 200 100 75

0 -

 10^{3}

10⁴

10⁵

Number of observations

10⁶

 10^{4}

10³

10⁵

Number of observations

10⁶