Comparing train and test correlation scores over training iterations Fold 1 / 2 DPT embeddr cellTree with maptpx identity 1.50 -0.8 0.81 0.6 1.25 -0.4 0.78 1.00 -0.2 -0.75 -0.75 -0.0 0.72 0.50 0.70 0.72 1.25 0.68 0.0 1.00 0.66 0.6 0.4 0.75 0.2 1.50 mfa monocle with ICA monocle with DDRTree random 0.03 0.02 0.01 0.00 test.correlation iteration_i 0.7 0.03 0.3 0.5 0.6 0.4 -0.01 0.00 0.01 0.02 75 50 SCORPIUS SLICER slingshot Waterfall 25 0.825 0.81 0.8 0.800 0.01 0.78 0.775 0.7 -0.00 0.75 -0.750 --0.01 0.72 -0.6 0.725 0.69 -0.700 -0.020.750 -0.01 0.725 0.74 0.00 0.01 0.02 0.03 0.66 0.68 0.70 0.72 0.625 0.650 0.675 0.700 Wishbone 0.6 -0.4 -0.2 train.correlation

Comparing train and test correlation scores over training iterations Fold 2 / 2 DPT cellTree with maptpx identity embeddr 1.50 0.70 -0.6 1.25 0.69 -0.4 0.68 -1.00 0.67 0.2 0.75 -0.66 -0.65 -0.0 0.50 | 0.50 0.8 0.72 0.76 0.80 1.25 1.50 0.75 1.00 0.2 0.6 0.4 0.0 mfa monocle with ICA random monocle with DDRTree 0.7 0.03 0.6 0.02 0.5 -0.01 0.4 -0.00 test.correlation -0.01 iteration_i 0.6 0.02 0.4 0.00 0.03 0.01 0.2 -0.01 75 50 SCORPIUS SLICER slingshot Waterfall 25 0 0.750 0.75 0.03 0.02 0.725 0.70 0.01 0.700 0.00 0.65 -0.01 0.675

0.65

0.60

0.70

Wishbone

-0.02

-0.01

0.00

0.01

0.85

0.75

0.80

0.02

0.74

0.78

0.82

0.68

0.72

0.76

0.80

0.70