Dyneval parameter optimisation on !TOYS! (100 initial, 100 iterations of 4 new parameters). point = train score, bar = test score. num_setseed_calls auc_R_nx mean_R_nx num_files_created identity identity identity · identity **SCORPIUS SCORPIUS SCORPIUS** SCORPIUS monocle with ICA monocle with ICA monocle with ICA monocle with ICA slingshot slingshot slingshot slingshot -StemID StemID StemID StemID · monocle with DDRTree monocle with DDRTree monocle with DDRTree monocle with DDRTree embeddr embeddr embeddr embeddr cellTree with Gibbs cellTree with Gibbs cellTree with Gibbs cellTree with Gibbs cellTree with maptpx cellTree with maptpx cellTree with maptpx cellTree with maptpx -**TSCAN TSCAN TSCAN TSCAN** SLICE SLICE SLICE SLICE Waterfall Waterfall Waterfall Waterfall DPT DPT **DPT** DPT mfa · mfa mfa mfa -SLICER **SLICER SLICER** SLICER phenopath phenopath phenopath phenopath ouija ouija · ouija ouija · shuffle shuffle shuffle shuffle random random random random -0.25 -0.250.00 0.25 0.50 0.75 0.00 0.50 0.75 1.00 -0.500.00 0.25 0.50 1.00 Q_local Q_global time_cleanup time_coranking identity · identity · identity identity -**SCORPIUS** SCORPIUS · **SCORPIUS** SCORPIUS · monocle with ICA monocle with ICA monocle with ICA monocle with ICA slingshot slingshot slingshot slingshot metric StemID StemID StemID StemID auc_R_nx monocle with DDRTree monocle with DDRTree monocle with DDRTree monocle with DDRTree mean_R_nx embeddr embeddr embeddr embeddr num_files_created cellTree with Gibbs cellTree with Gibbs cellTree with Gibbs cellTree with Gibbs num_setseed_calls cellTree with maptpx cellTree with maptpx cellTree with maptpx cellTree with maptpx Q_global **TSCAN TSCAN TSCAN TSCAN** Q_local SLICE SLICE SLICE SLICE time_cleanup Waterfall Waterfall Waterfall · Waterfall time_coranking DPT DPT DPT DPT time_geodesic mfa mfa · mfa mfa time_method **SLICER** SLICER SLICER SLICER time_setup phenopath phenopath phenopath · phenopath ouija ouija · ouija · ouija shuffle shuffle shuffle shuffle random random random random 0.50 0.04 0.06 0.1 0.2 0.3 0.4 0.25 0.75 0.00 1.00 0.00 0.02 0.00 0.05 0.15 0.20 0.0 0.10 time_method time_setup time_geodesic identity identity identity -SCORPIUS · SCORPIUS -SCORPIUS monocle with ICA monocle with ICA monocle with ICA slingshot slingshot slingshot StemID StemID StemID monocle with DDRTree monocle with DDRTree monocle with DDRTree embeddr embeddr embeddr · cellTree with Gibbs cellTree with Gibbs cellTree with Gibbs cellTree with maptpx cellTree with maptpx cellTree with maptpx -TSCAN-TSCAN -TSCAN -SLICE -SLICE -SLICE -Waterfall · Waterfall Waterfall · DPT DPT DPT mfa mfa mfa · SLICER -SLICER · SLICER phenopath phenopath · phenopath ouija · ouija ouija shuffle shuffle shuffle · random random random 100 25 50 75 10 15 2 0 5

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score