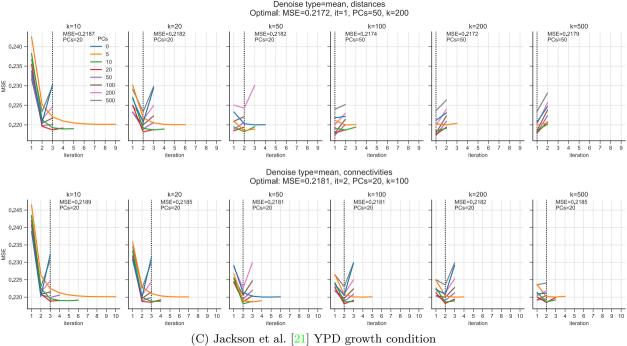
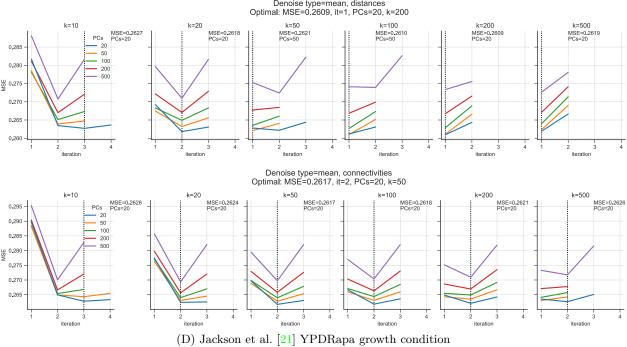


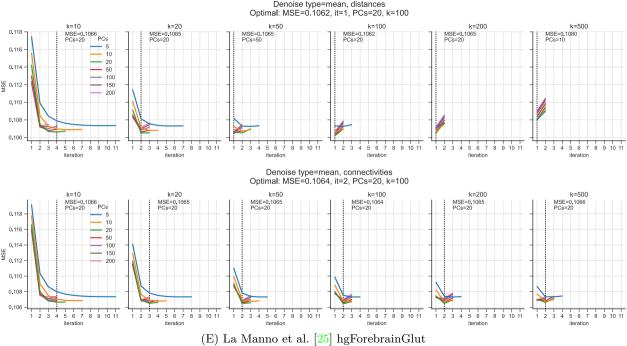
Denoise type=mean, distances

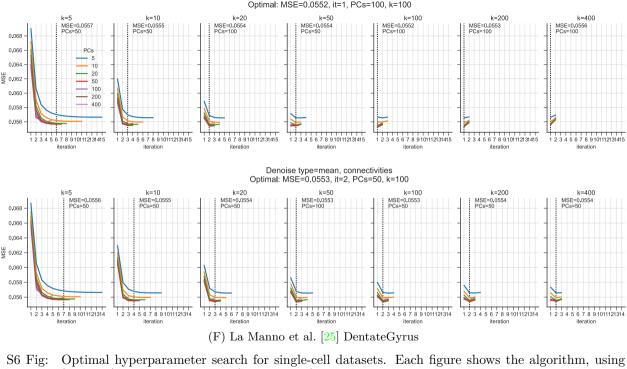
hyperparameters, number of principal components (PCs) = 5, 10, 20, 50, 100, 200, 400}, number of initial neighbors (k) = $\{5, 10, 20, 50, 100, 200, 400\}$. The top row uses distances on the kNN-G and the bottom row uses connectivities of the kNN-G. Optimal settings are found to be 100PCs, k = 100 using distances with MSE = 0.2215. The algorithm's

option to stop after the minimum is found is used here to stop the algorithm once the optimum (min MSE) is found.









Denoise type=mean, distances

distances (top row) and connectivities (bottom row). Each panel is scaled to the maximum number of observed iterations (x-axis) for any configuration run, with the objective function value MSE on the y-axis. The colored lines indicate the number of PCs used as input in the kNN-G distance computation. Each

column corresponds to the initial number of neighbors k used for constructing the kNN-G.