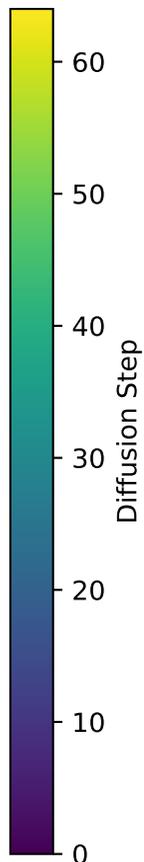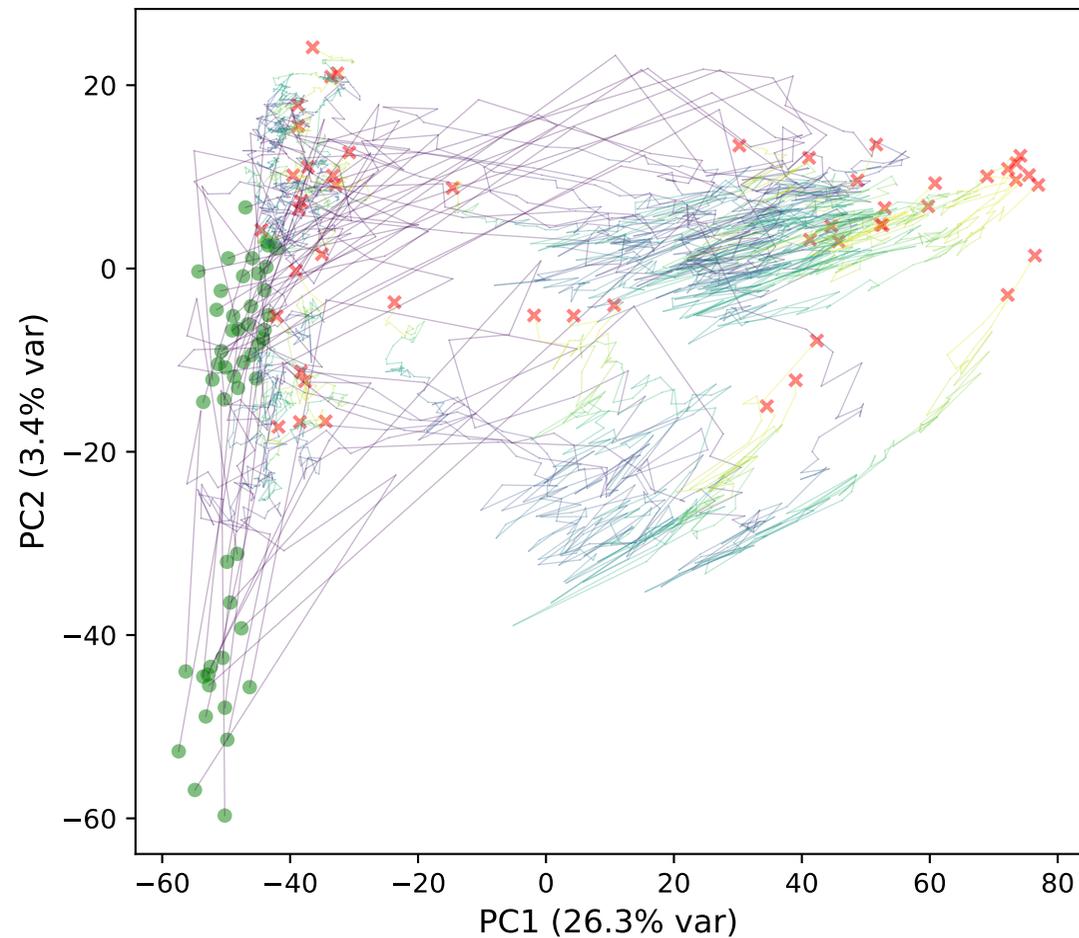PCA Trajectory Analysis - Baseline