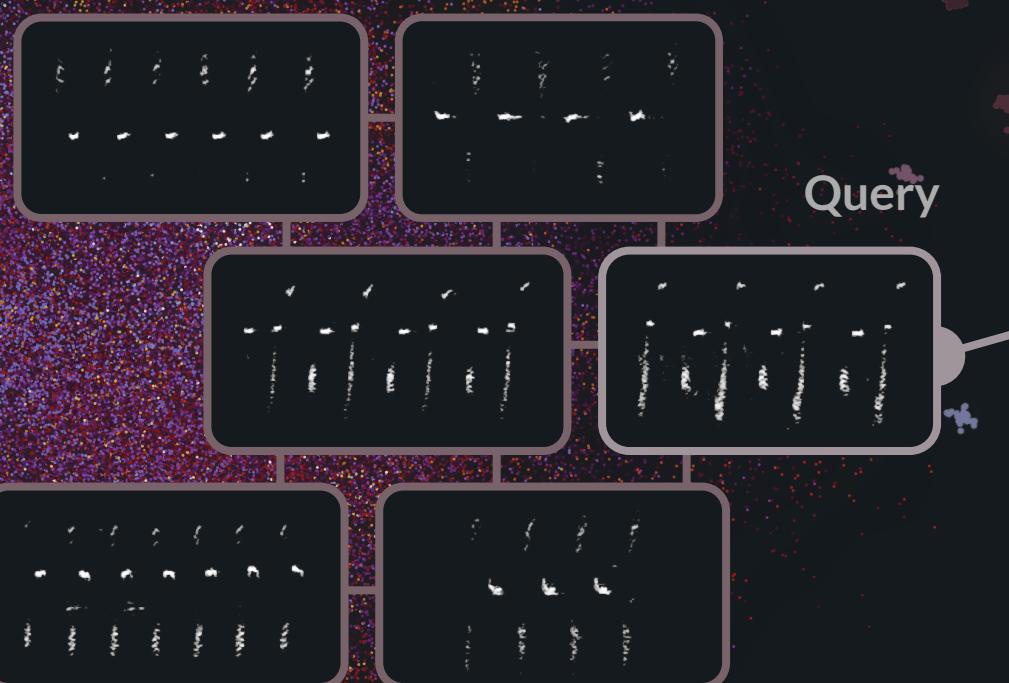


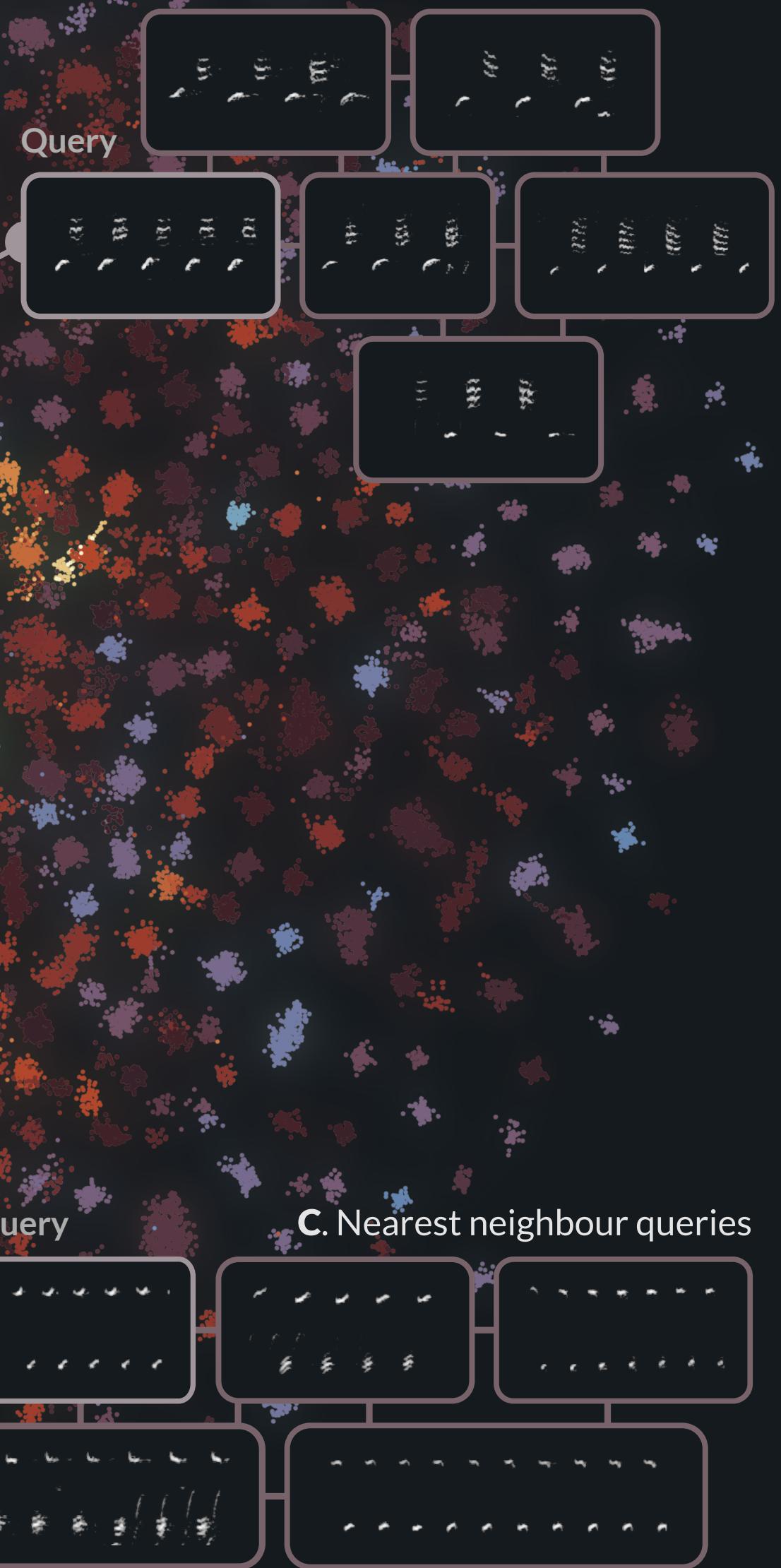
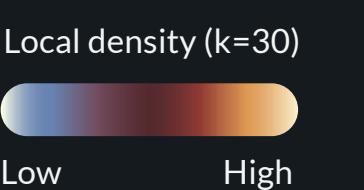
KNN QUERIES FROM THE DATASET

Identification of individual birds across years and local measures of song similarity

Songs that are closer in this embedding space are more similar, which allows us to study the cultural landscape of the population. Individual vocal signatures are at least partly maintained across their lifespan, which also allows us to re-identify bird across years. This is a 2D representation of the space: in reality, we calculate neighbourhood metrics on a 384-dimensional space.



A. (Above) PCA projection | B. (right) UMAP projection of the model-based feature vectors (for illustration only)



C. Nearest neighbour queries