

# SVM

Goal: distinguish between  $A$  and  $B$  sections.

- We split each tune into its corresponding  $A$  and  $B$  sections, creating a labeled set of all  $A$  and  $B$  sections.
- We then run SVM with a Gaussian kernel with 8-fold cross-validation on this set.
- Vary the choice of feature vectors and number of PCA elements.