Preparing the files to run MaxEnt:

Running Maxent:

RunPresent.pl

Processing the output:

MAKING BINARY MAPS

1. FirstBinary.pl

This script takes the map averaged from all replicates and pulls the Equal Training Sensitivity and Specificity threshold. It creates a binary map from it and puts it in a separate folder BINARY\_MAPS

1. getzeroonlyspecies.pl

This will go through all the BINARY\_MAPS folder and make a list of the species that have no presence pixels (only 0)

1. createMINthreshold.pl

For the species that have no presence pixels, we go through the same process, but with the minimum training presence threshold. The maps are made binary and replacing the Equal Training Sensitivity and Specificity threshold ones.

1. getzeroonlyspecies.pl

Run this script again to see which species still have no presence pixels.

1. getThresholdReplicates.pl

For the maps that only have absences, this script goes back to the output folder and looks at the different replicates. It takes the replicate with the most presence pixels, and replaces the average binary map with it. It also creates a list of those maps that were replaced

1. getzeroonlyspecies.pl

Run this script again to see which species still have no presence pixels.

1. createCostumizedMaps.pl