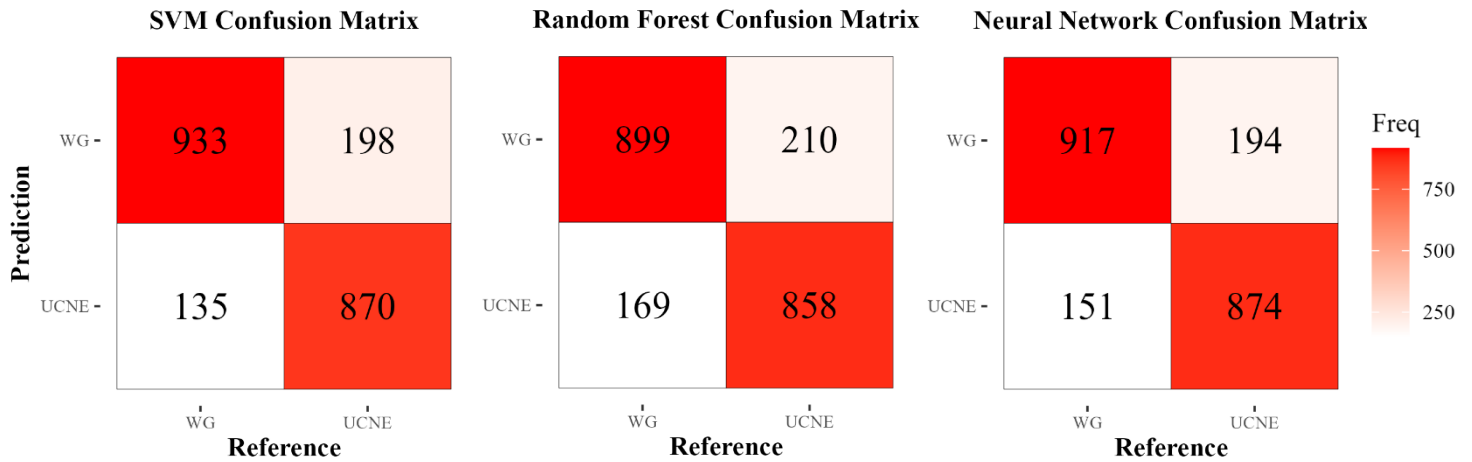


Supplementary Figure 1



Supplementary Figure S1: Confusion matrix results from each model: SVM, random forest, and neural network. X axis represents predictions from the models and the Y axis represents the true reference group. Each box within the matrix represents the total counts between predictions versus references. The red color gradient represents less frequent counts (white) to more frequent counts (red).

Supplementary Table S2

Model	Accuracy	Specificity	Sensitivity	95% CI
SVM	84.4%	81.4%	87.4%	0.828,0.859
Random Forest	82.5%	80.1%	84.5%	0.808,0.841
Neural Network	83.4%	82.0%	85.0%	0.818,0.850

Supplementary Table S2: Statistical results of each model: SVM, Random Forest, and Neural Network. Columns from left to right: Accuracy, Specificity, Sensitivity, and 95% confidence interval.