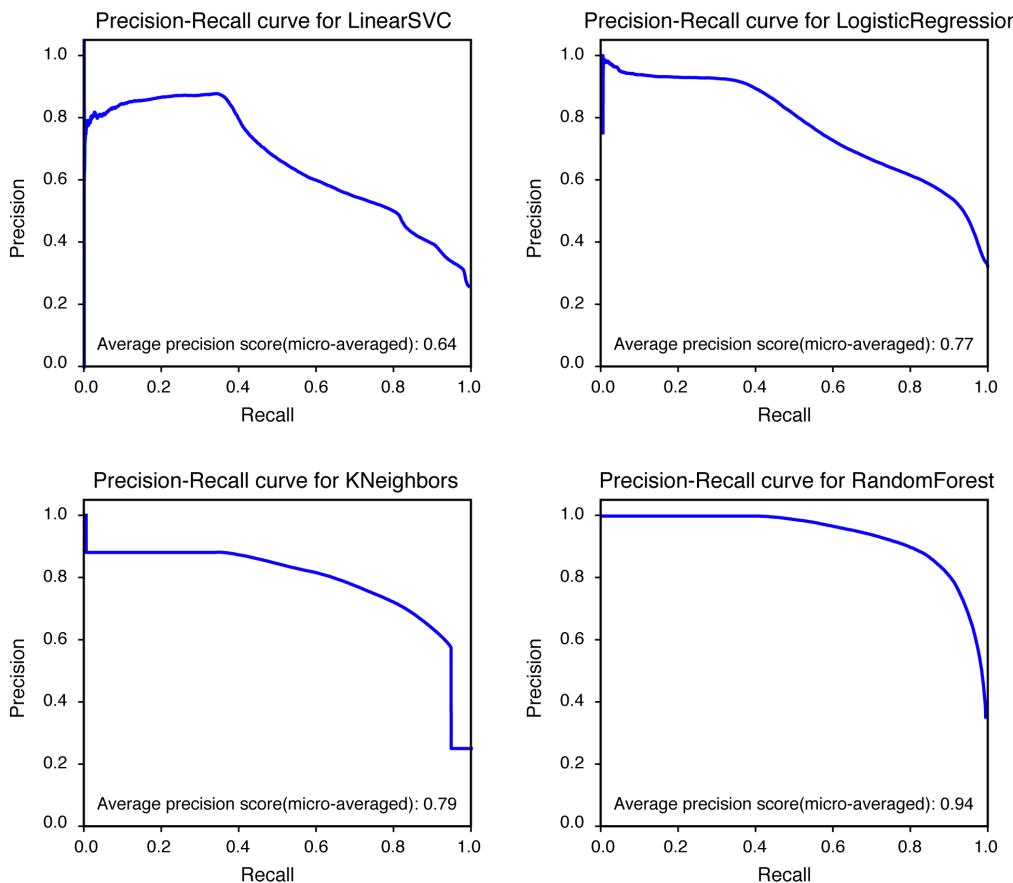


## Supplemental figure S1



**Figure S1. Precision-Recall curve for four standard classifiers.** ATP conducted a multiclass classification task, here we employed precision-recall curve and micro-average precision score to show the classification performance, the Random forest model outperformed other standard classification models with the highest precision score of 0.94.