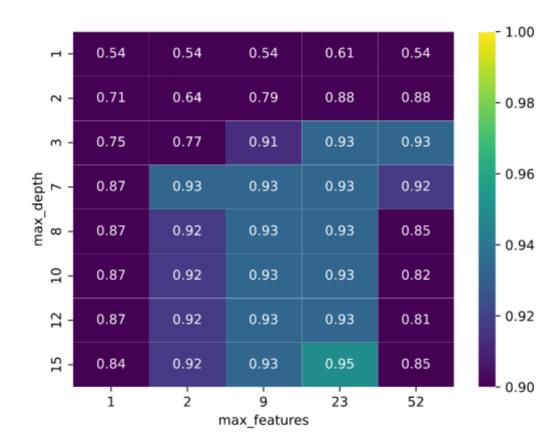
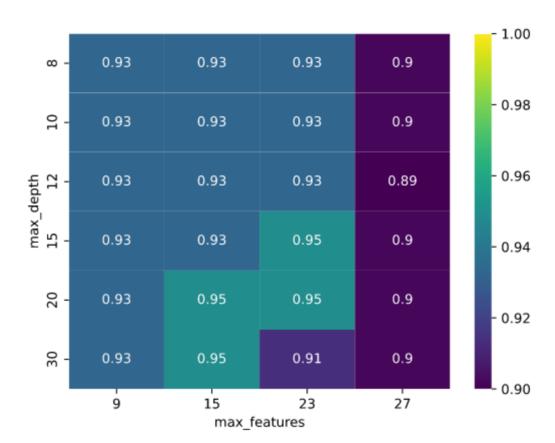
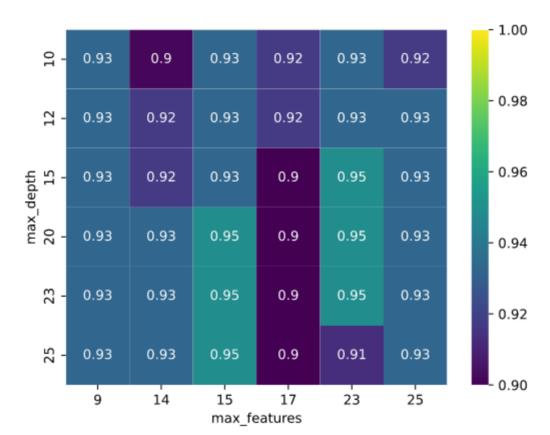
Caspofungin

Log2(522) == 9 SQRT(522) == 23







```
New gridsearch:
grid = {'n_estimators': [100],
     'max features': [9, 14, 15, 17, 23, 25],
     'max depth': [10,12,15,20,23,25],
     'min samples split': [2],
     'min samples leaf': [1],
     'random state': [18]}
```

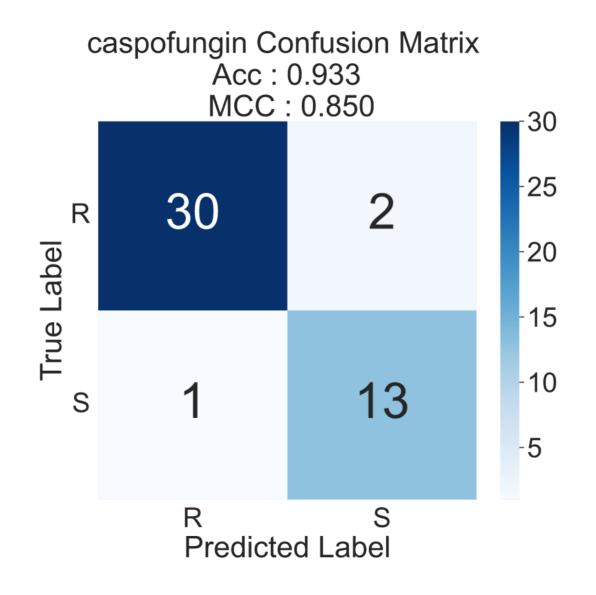
{'max_depth': 23, 'max_features': 9,

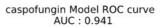
Best params caspofungin:

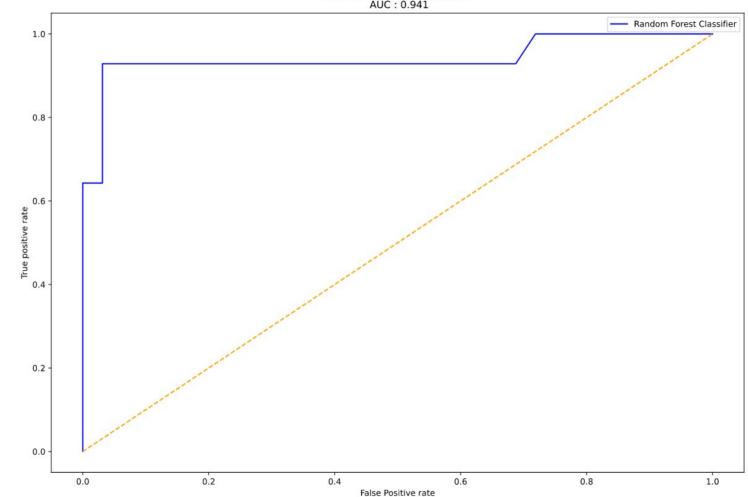
'min_samples_leaf': 1, 'min_samples_split': 2, 'n estimators': 100, 'random state': 18}

Train Balanced Acc : 0.9663919413919414

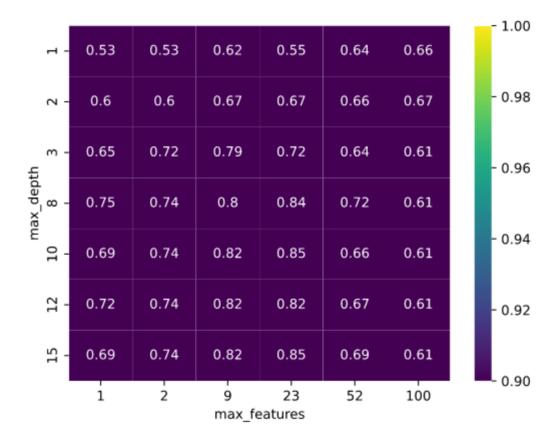
Test Balanced Acc : 0.9330357142857143

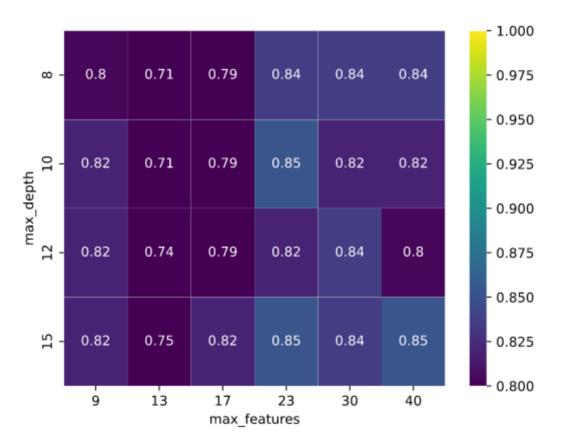






Anidulafungin





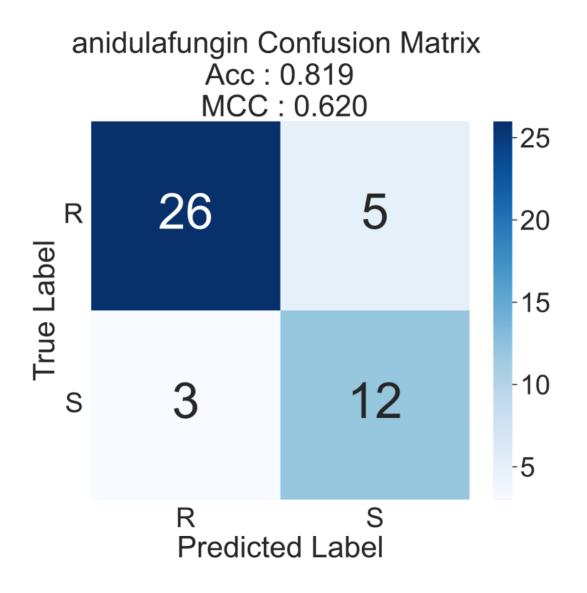
```
New gridsearch:
grid = {'n_estimators': [100],
     'max features': [9, 13, 17, 23, 30, 40],
     'max depth': [8, 10, 12, 15],
     'min samples split': [2],
     'min samples leaf': [1],
     'random state': [18]}
```

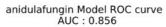
{'max_depth': 15, 'max_features': 9,

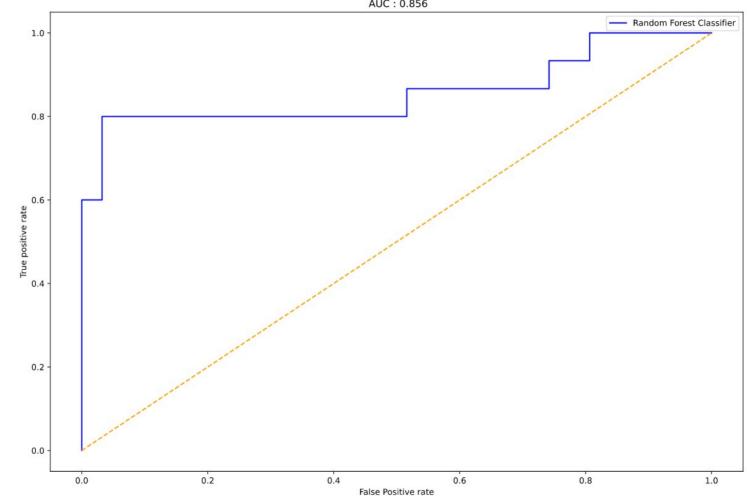
Best params anidulafungin:

'min_samples_leaf': 1, 'min_samples_split': 2, 'n estimators': 100, 'random state': 18}

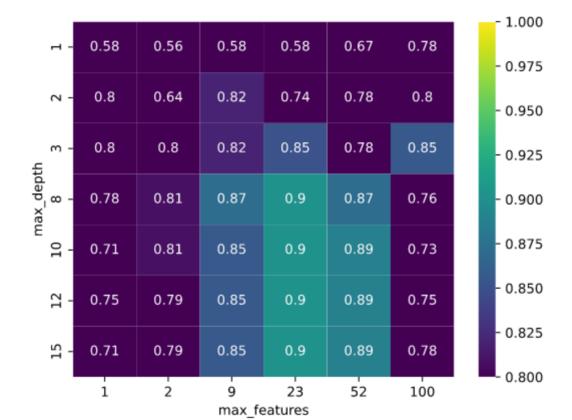
Train Balanced Acc : 0.965958605664488 Test Balanced Acc : 0.8193548387096774

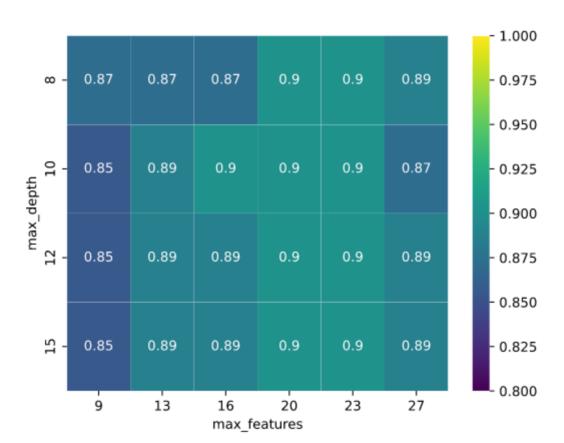


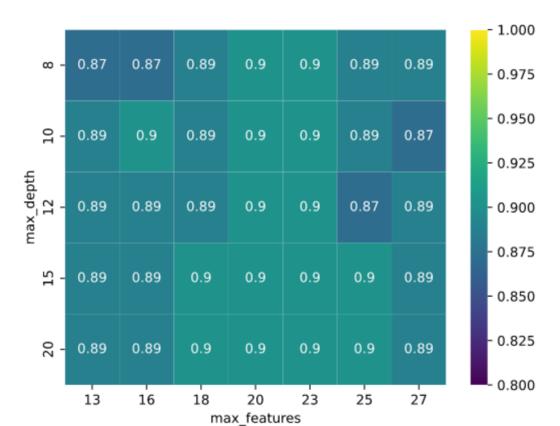




Micafungin







```
New gridsearch:
grid = {'n_estimators': [100],
     'max features': [19,20,21,23,25,27],
     'max depth': [12,13,14,15,16,17,20],
     'min samples split': [2],
     'min samples leaf': [1],
     'random state': [18]}
```

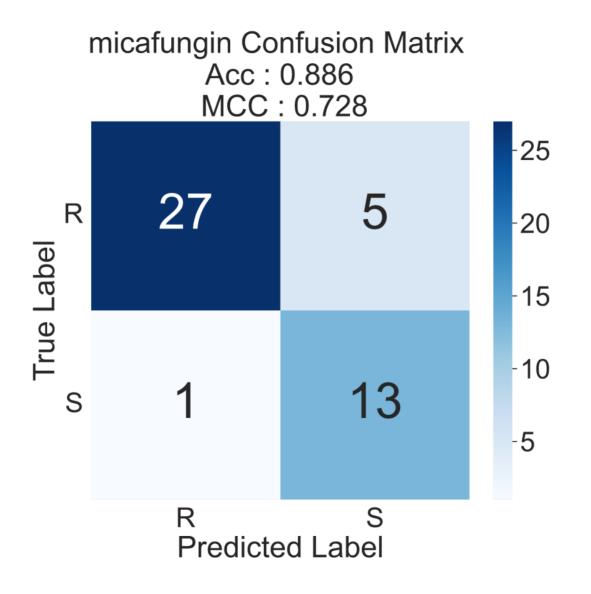
'max_depth': 20, 'max_features': 27, 'min samples leaf': 1, 'min samples split': 2,

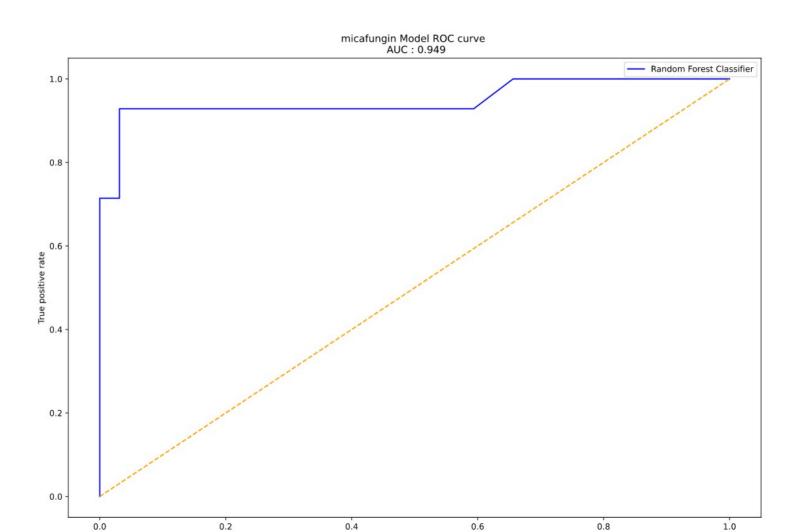
'n estimators': 100, 'random state': 18}

Best params micafungin:

Train Balanced Acc : 0.9592925659472422

Test Balanced Acc : 0.8861607142857143





False Positive rate