$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$

**BIBM 2018**

the number of predited essential proteins: 263

the number of essential proteins in YTest: 237

Accuracy: 0.7055937193326791

Precision: 0.38022813688212925

Recall: 0.4219409282700422

F\_score: 0.39999999999999997

AUC: 0.6067505152859163

$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$

**SVM C -0.035**

the number of predited essential proteins: 146

the number of essential proteins in YTest: 237

Accuracy: 0.7654563297350343

Precision: 0.4931506849315068

Recall: 0.3037974683544304

F\_score: 0.37597911227154046

AUC: 0.6045841561721002

$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$

**RF**

the number of predited essential proteins: 305

the number of essential proteins in YTest: 237

Accuracy: 0.7252208047105005

Precision: 0.42950819672131146

Recall: 0.5527426160337553

F\_score: 0.4833948339483395

AUC: 0.6651181110859314

$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$

**DT**

the number of predited essential proteins: 231

the number of essential proteins in YTest: 237

Accuracy: 0.7134445534838076

Precision: 0.38095238095238093

Recall: 0.37130801687763715

F\_score: 0.37606837606837606

AUC: 0.5942217833748799

$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$

**Ada**

the number of predited essential proteins: 207

the number of essential proteins in YTest: 237

Accuracy: 0.7409224730127576

Precision: 0.43478260869565216

Recall: 0.379746835443038

F\_score: 0.40540540540540543

AUC: 0.6150652335782966

$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$

**Our Method**

the number of predited essential proteins: 305

the number of essential proteins in YTest: 252

Accuracy: 0.7340529931305201

Precision: 0.46885245901639344

Recall: 0.5674603174603174

F\_score: 0.5134649910233393

AUC: 0.6781239005815277