

## **Model Performance Report**

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Model: svm

Feature Selection: anova

# Model Performance Report

## Results Summary

### Top Model Results

Model: svm

Feature Selection: anova

Use Outlier Detection: False

Outlier Method: pca

Removed Outlier Features: []

Seed: 42

Resampling Method: none

Selected Features: ['c16orf54', 'mapk10', 'gpbar1', 'dok2', 'dennd2d', 'c11orf21', 'nrcam', 'c1orf21', 'btbd3', 'irf8', 'lilrb2', 'clip3', 'mdga2', 'ndp', 'arhgap4', 'moxd1', 'mturn', 'igsf1', 'lyz', 'cd27', 'asah2', 'cd200', 'hscb', 'hsh2d', 'atp2a3']

Number of Selected Features: 25

Hyperparameters: {'est\_\_C': 0.1, 'est\_\_kernel': 'linear', 'selection\_\_k': 25}

CV MCC: 0.4816

CV F1 Score: 0.7393

CV AUC: 0.7689909297052153

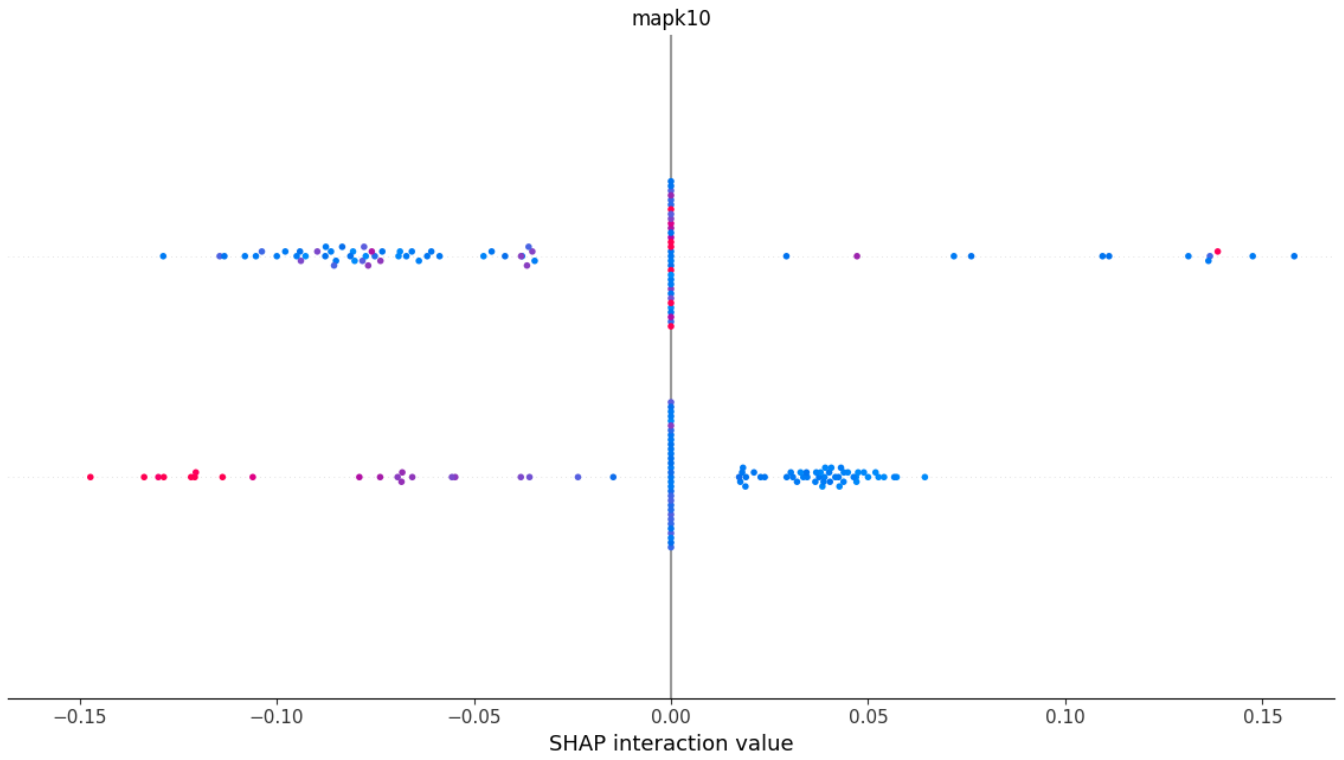
### Confusion Matrix (Rank 1)

	Predicted 0	Predicted 1
Actual 0	40	16
Actual 1	15	48

## Visualizations

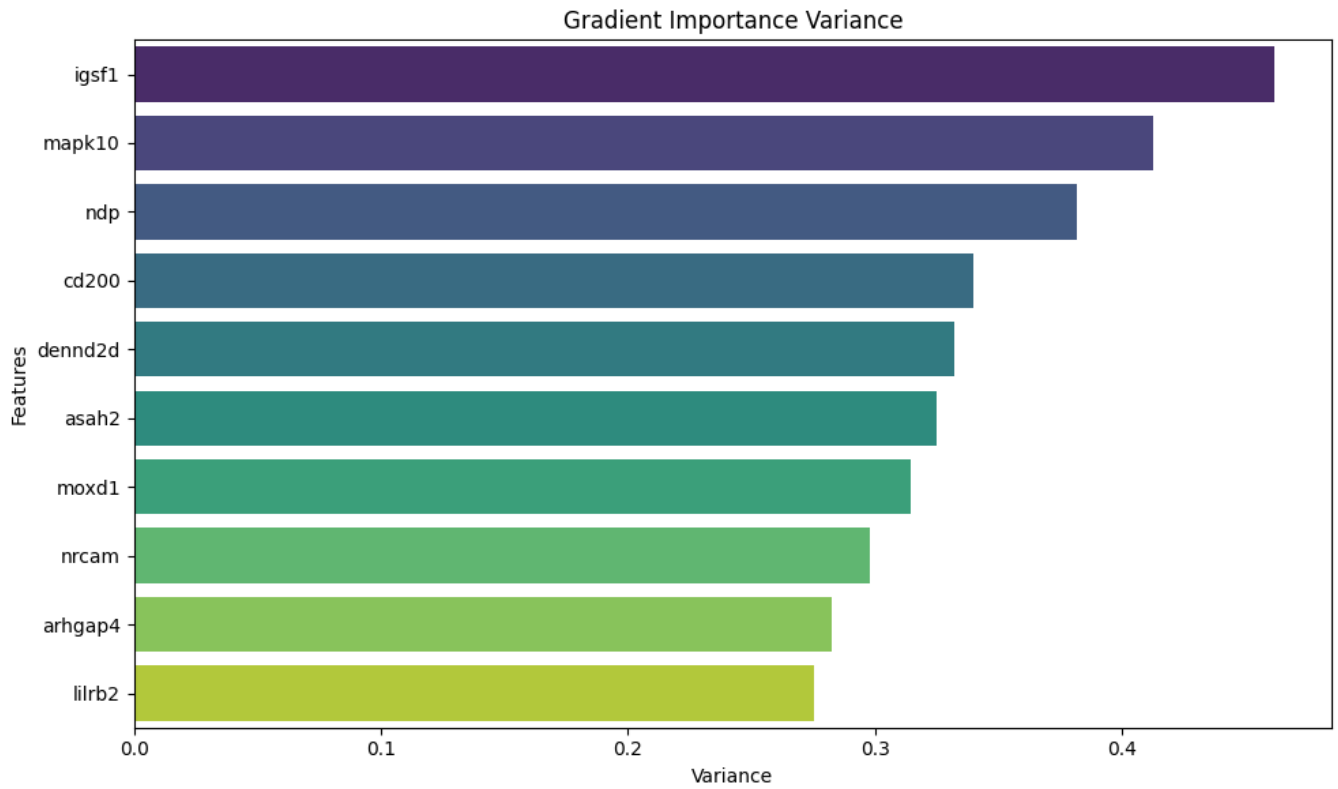
# Model Performance Report

## Shap Summary



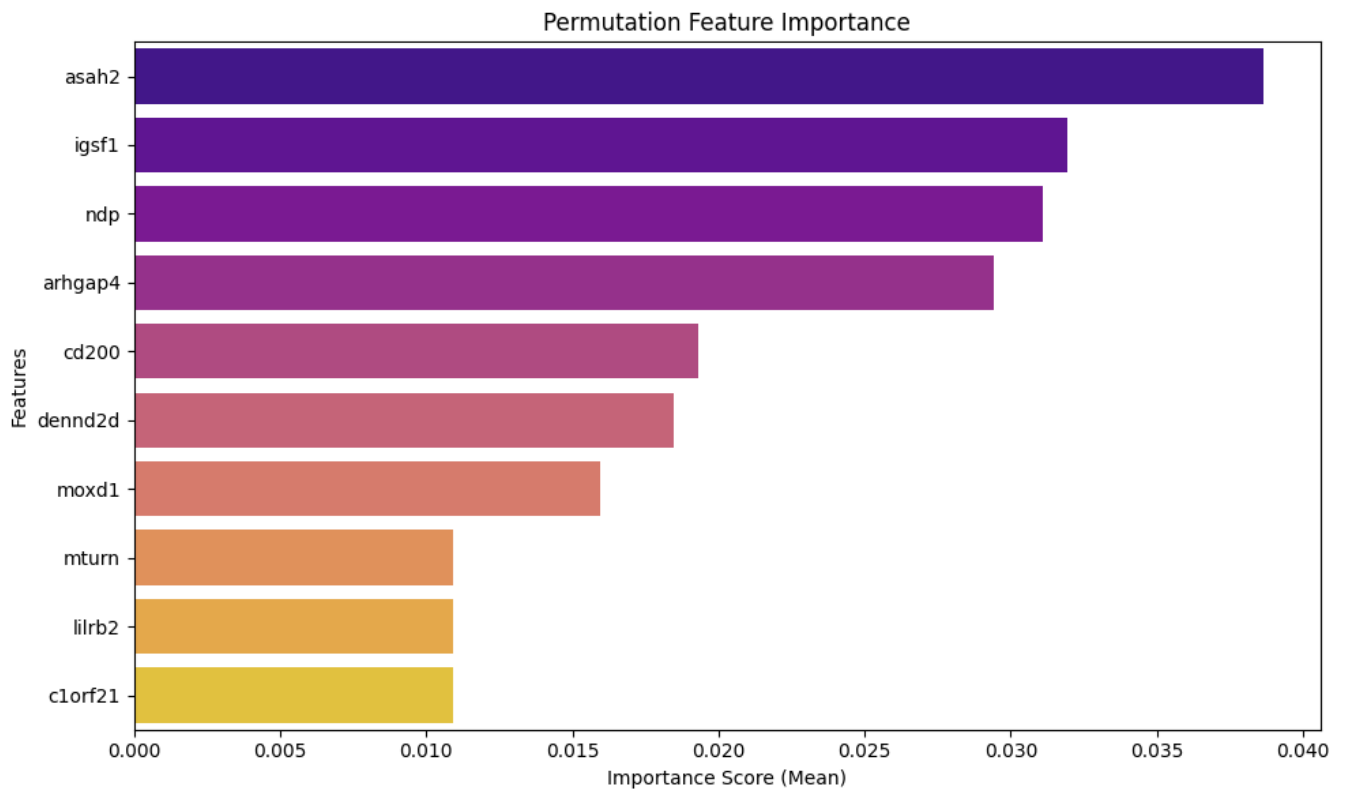
# Model Performance Report

## Gradient Importance Variance



# Model Performance Report

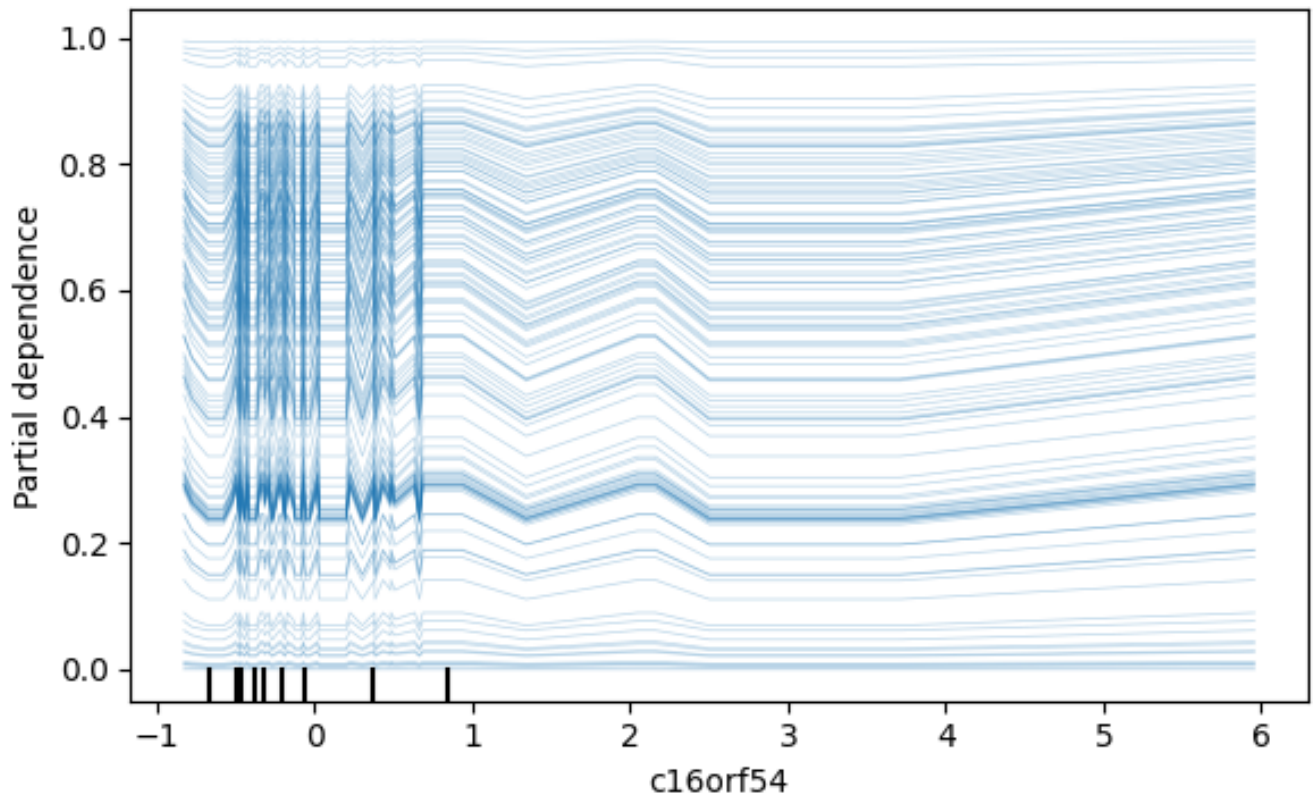
## Permutation Importance



# Model Performance Report

## Ice C16Orf54

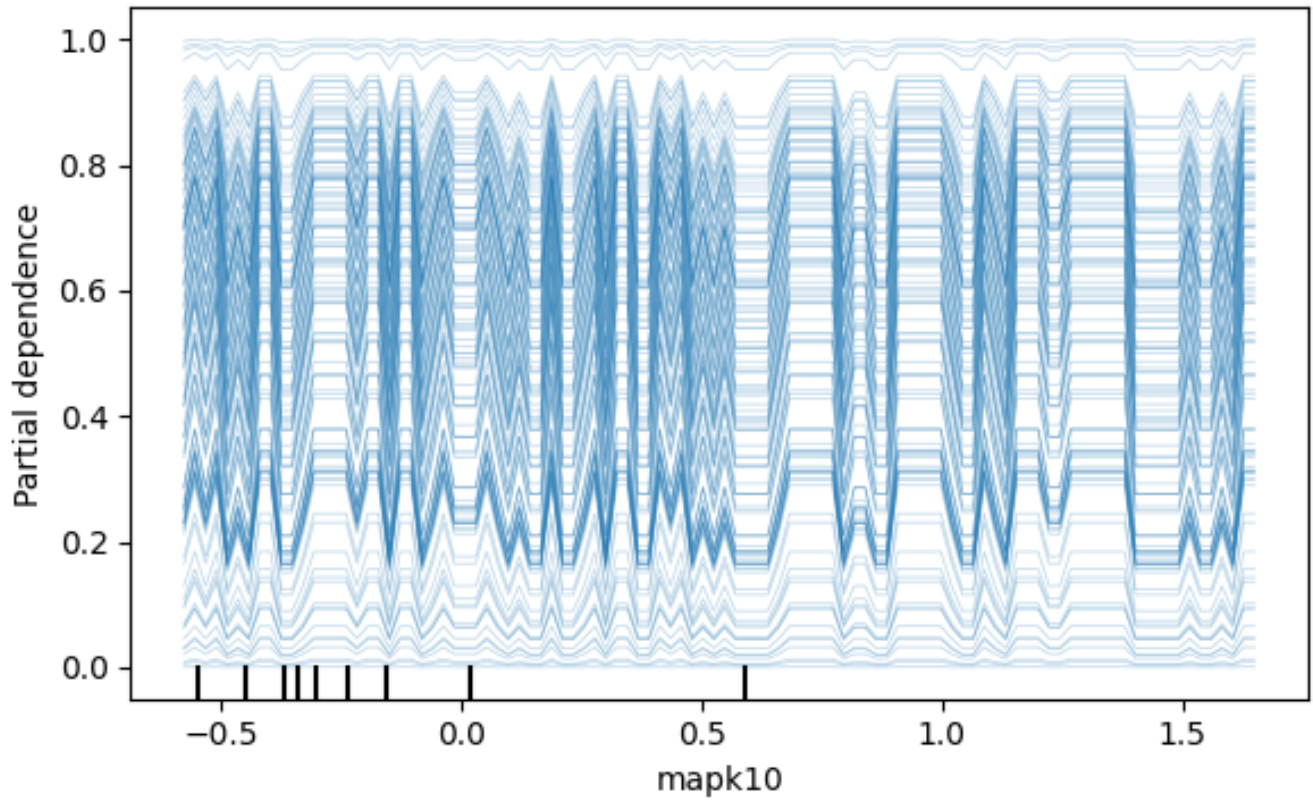
ICE Plot for c16orf54



# Model Performance Report

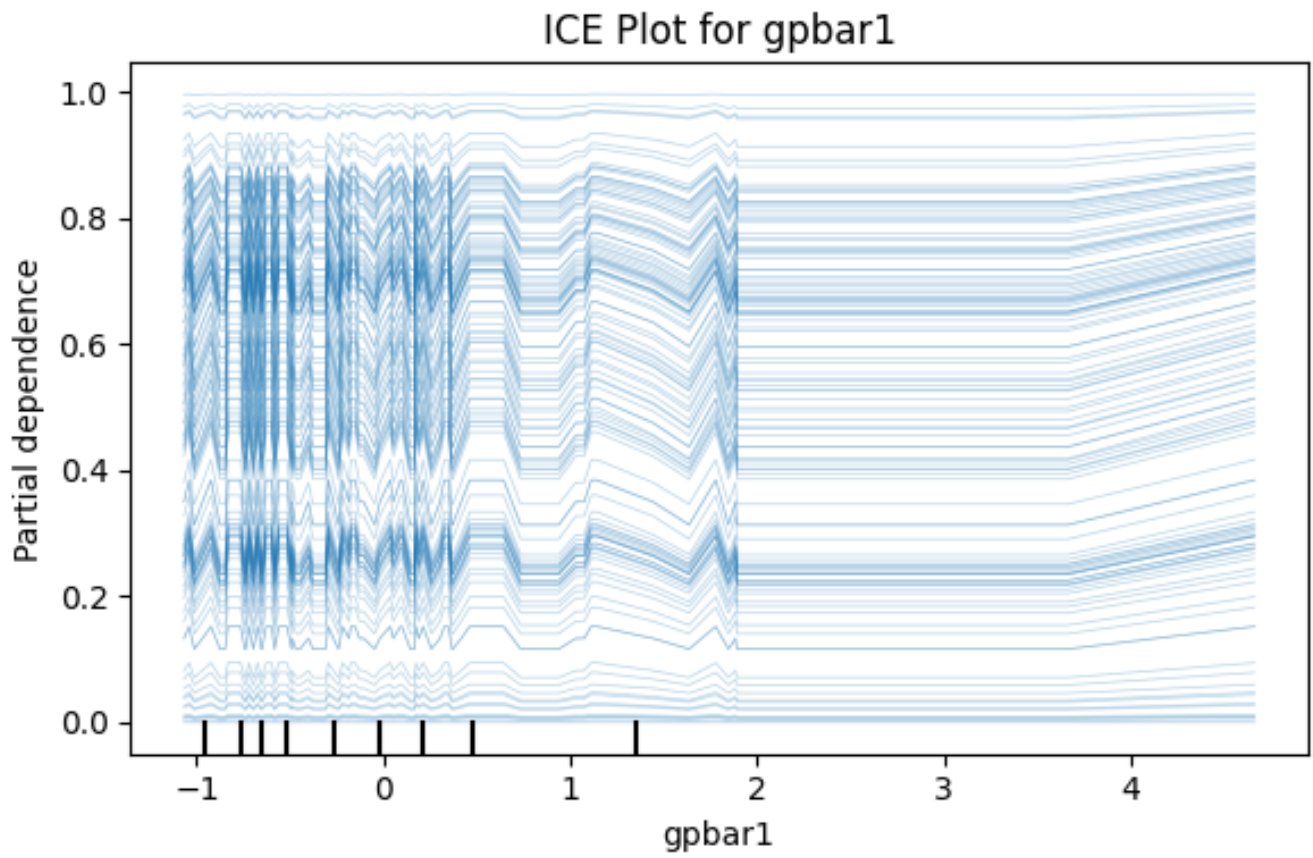
## Ice Mapk10

ICE Plot for mapk10



# Model Performance Report

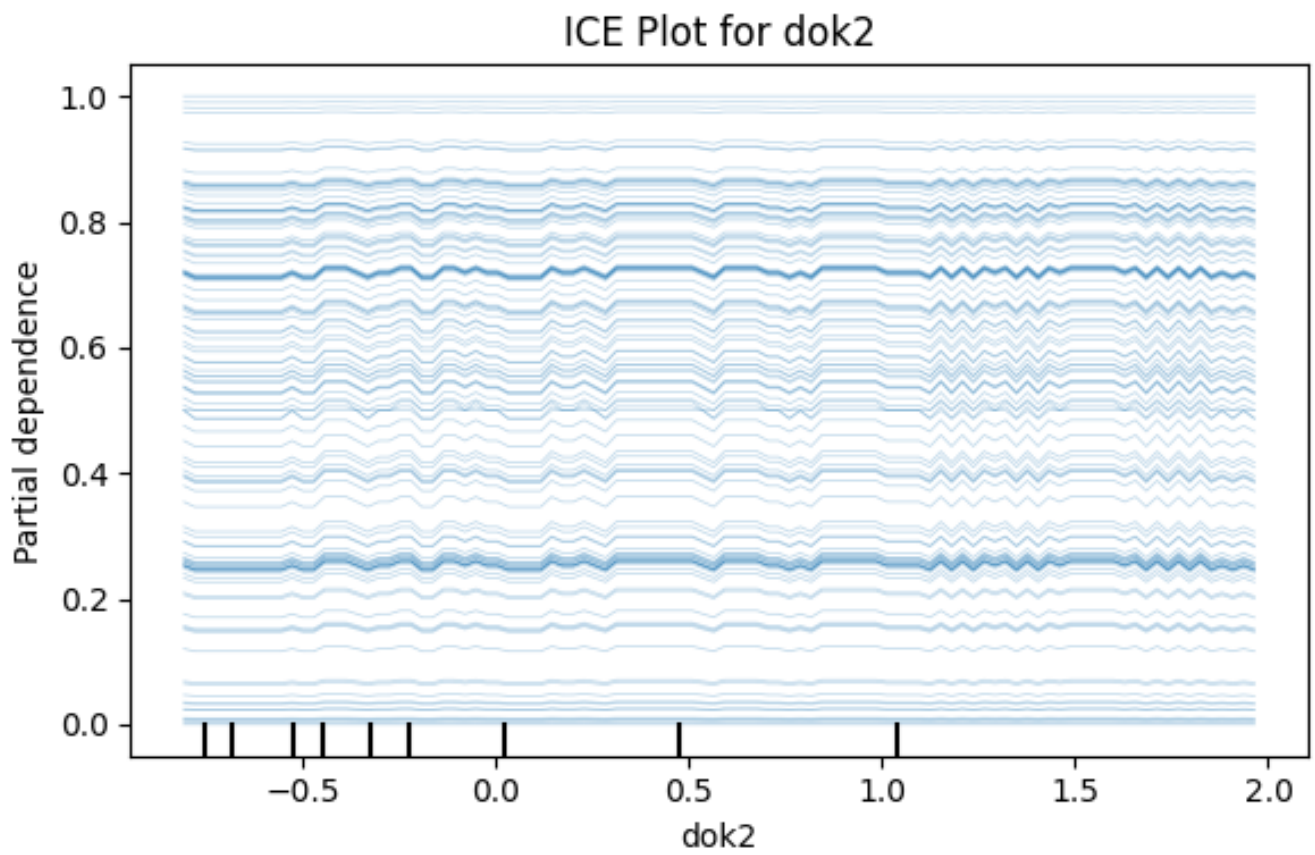
## Ice Gpbar1





# Model Performance Report

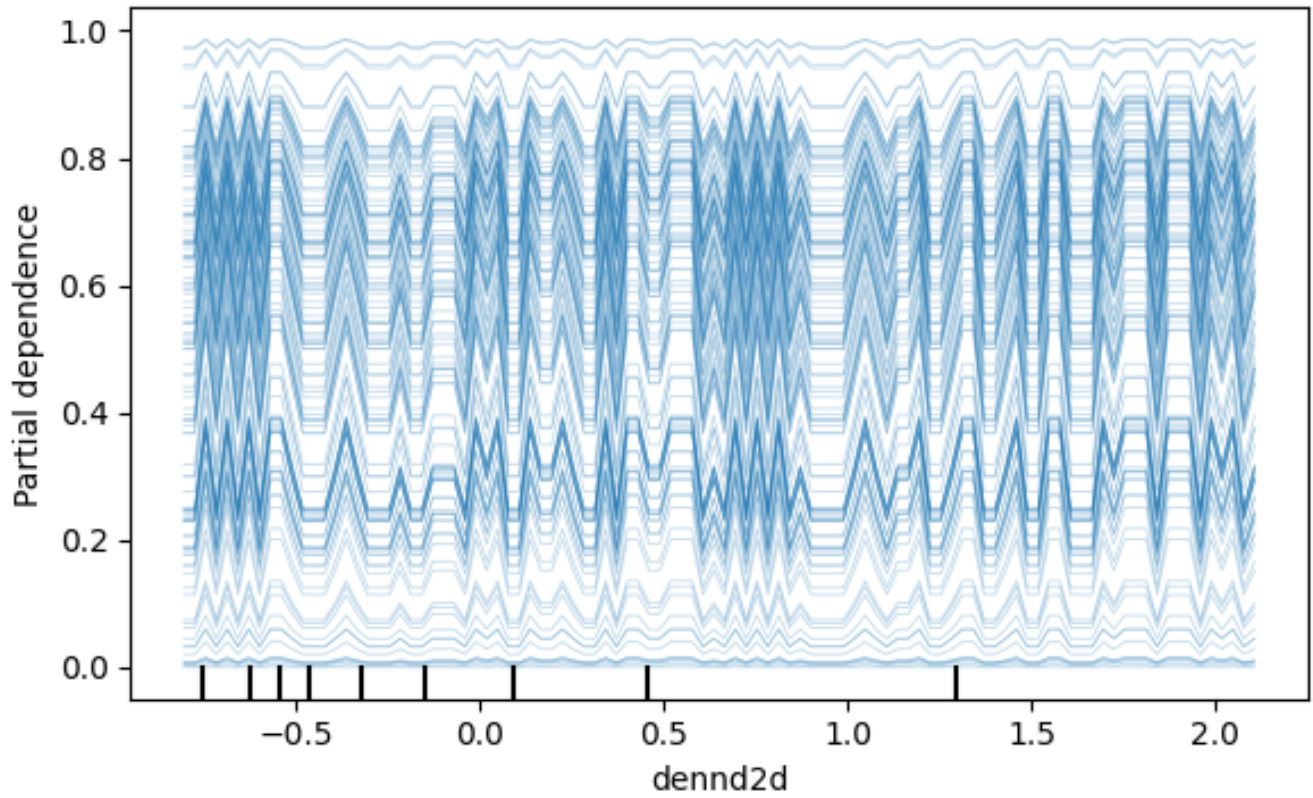
## Ice Dok2



# Model Performance Report

## Ice Dennd2D

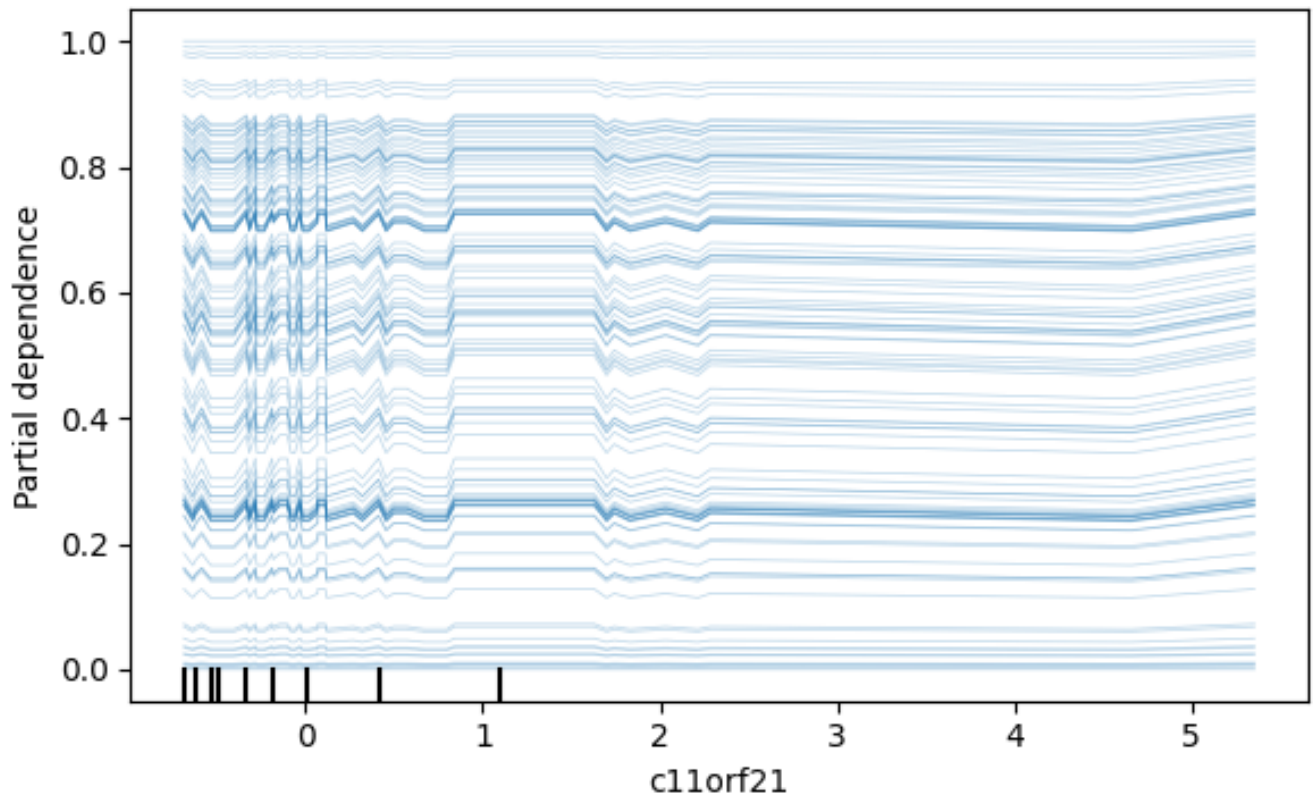
ICE Plot for dennd2d



# Model Performance Report

## Ice C11Orf21

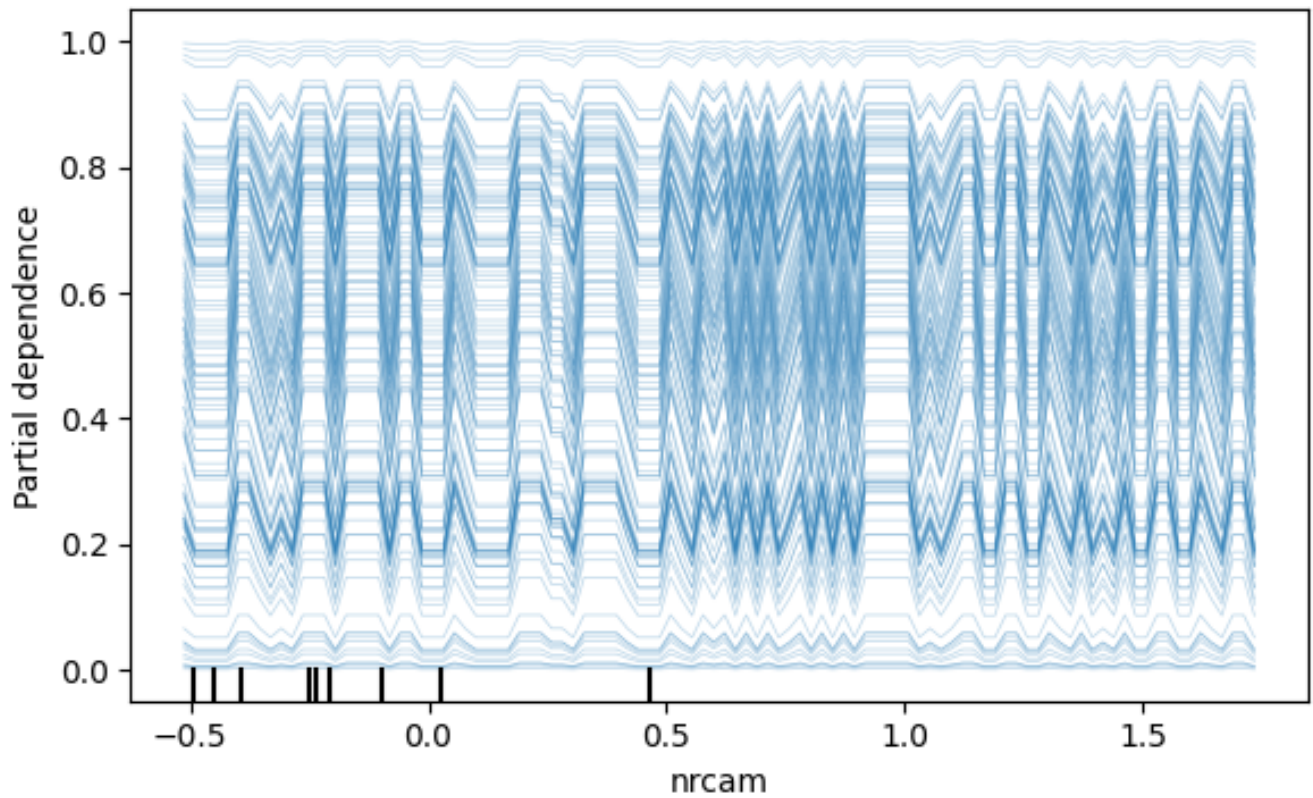
ICE Plot for c11orf21



# Model Performance Report

## Ice Nrcam

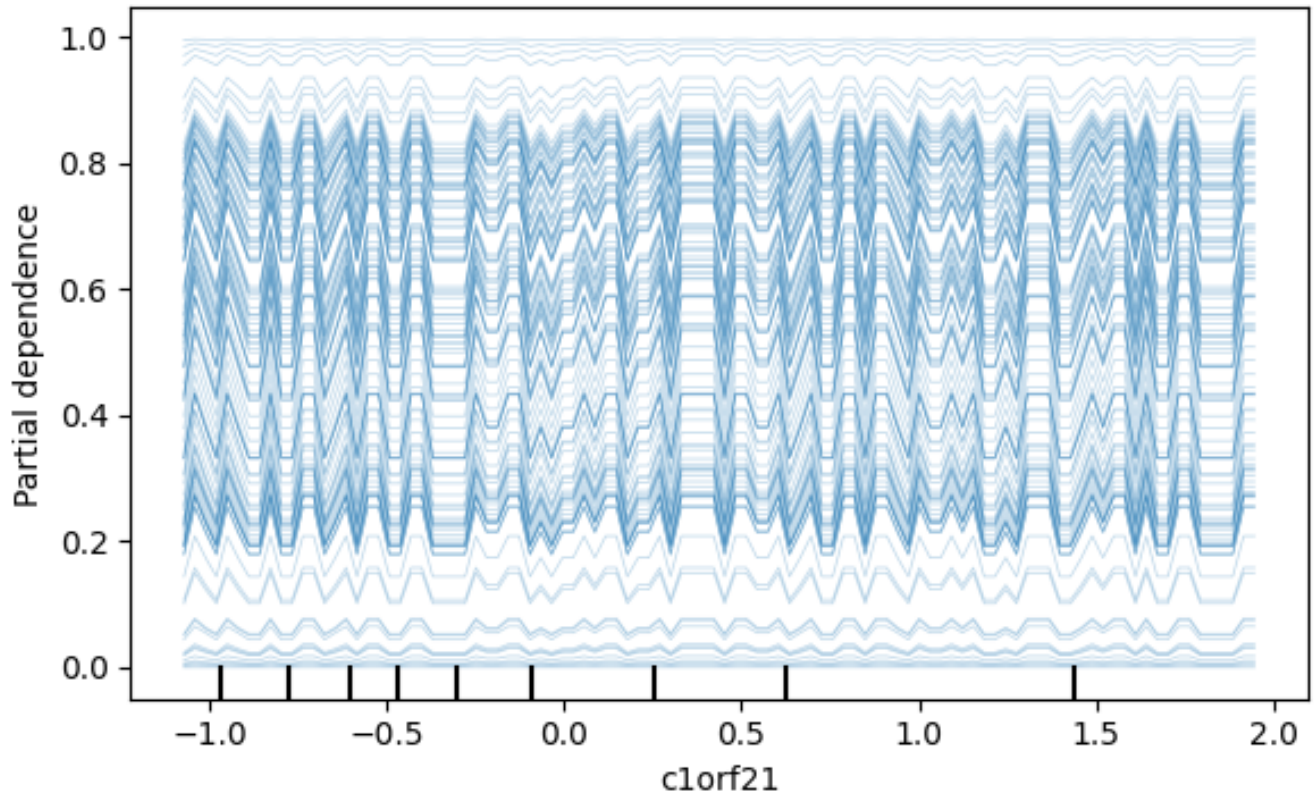
ICE Plot for nrcam



# Model Performance Report

## Ice C1Orf21

ICE Plot for c1orf21

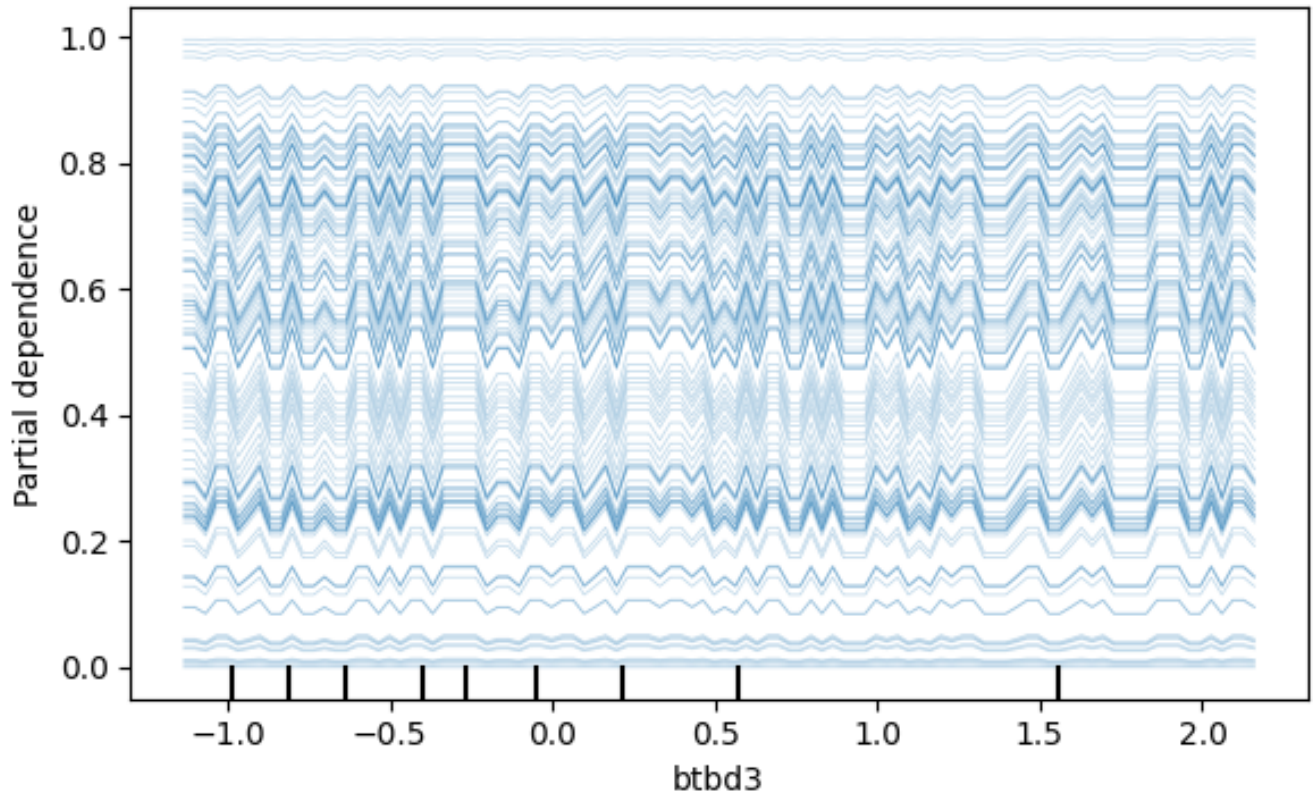




# Model Performance Report

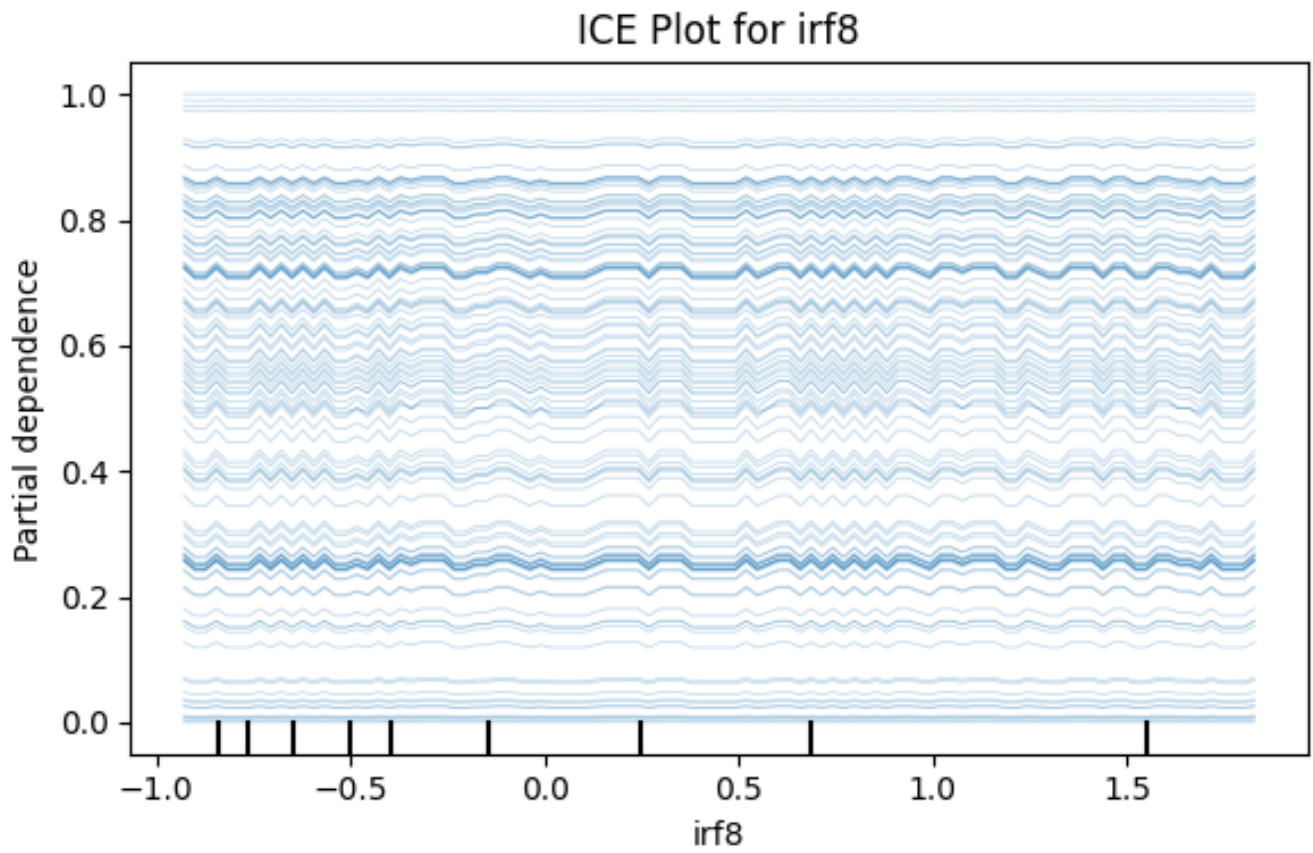
## Ice Btbd3

ICE Plot for btbd3



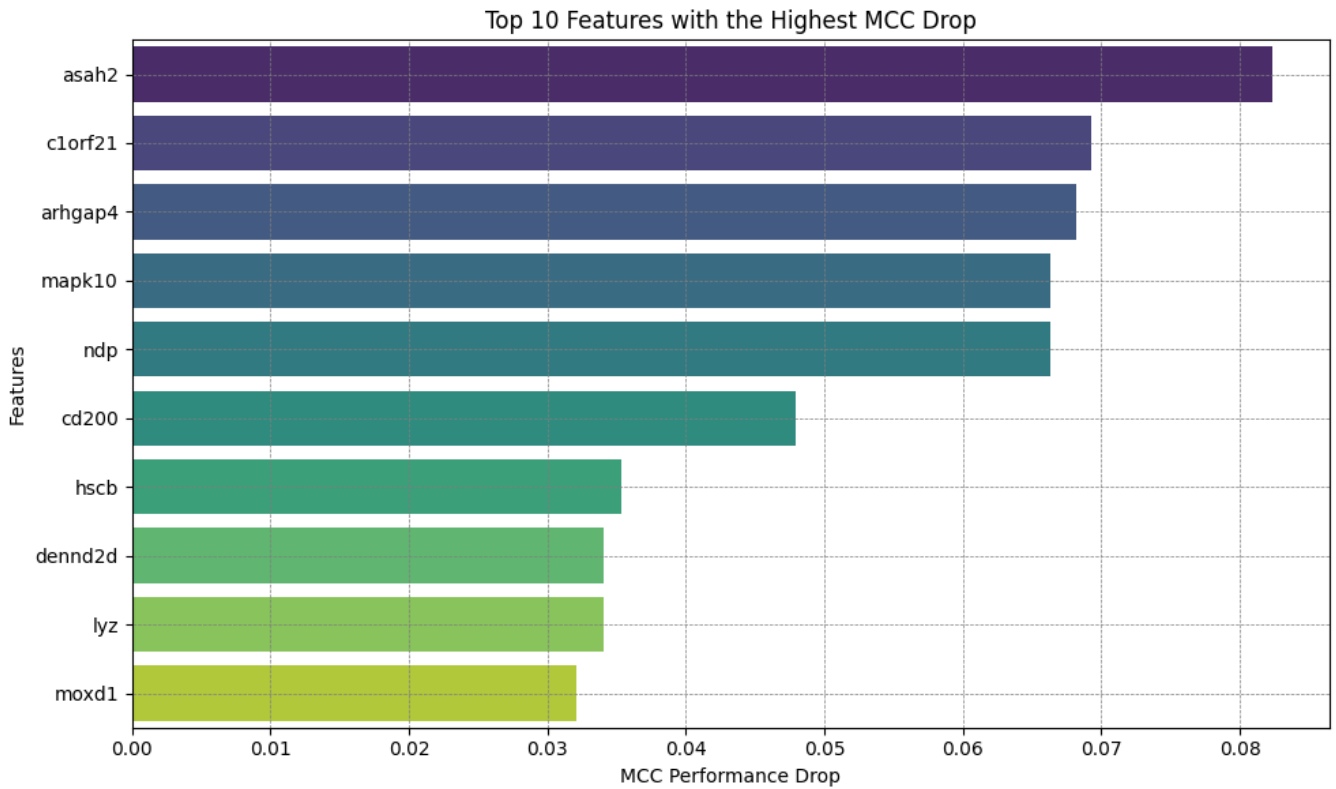
# Model Performance Report

Ice Irf8



# Model Performance Report

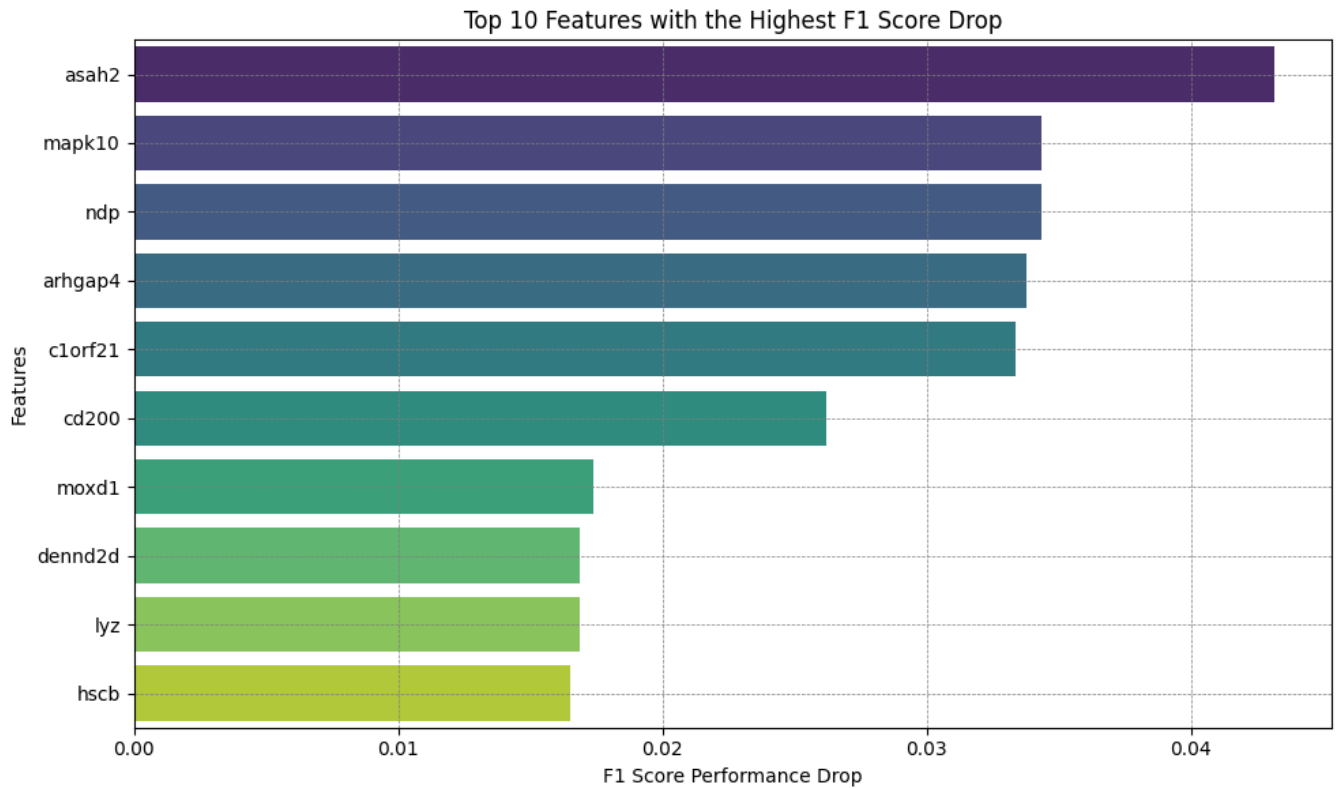
## Mcc Performance Drop





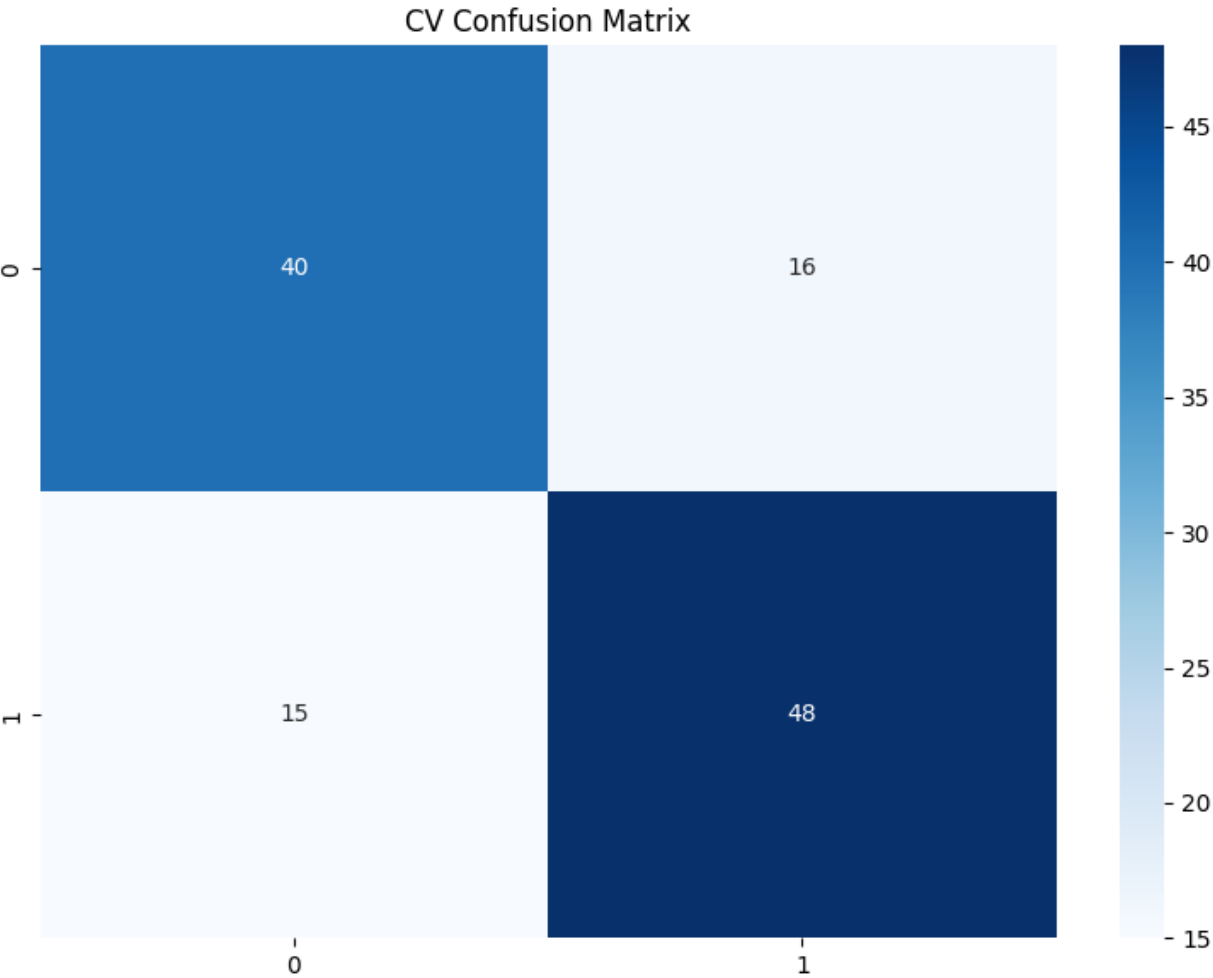
# Model Performance Report

## F1 Performance Drop



# Model Performance Report

## Cv Confusion



# Model Performance Report

## Extra files / Dashboards

- shap\_report.html