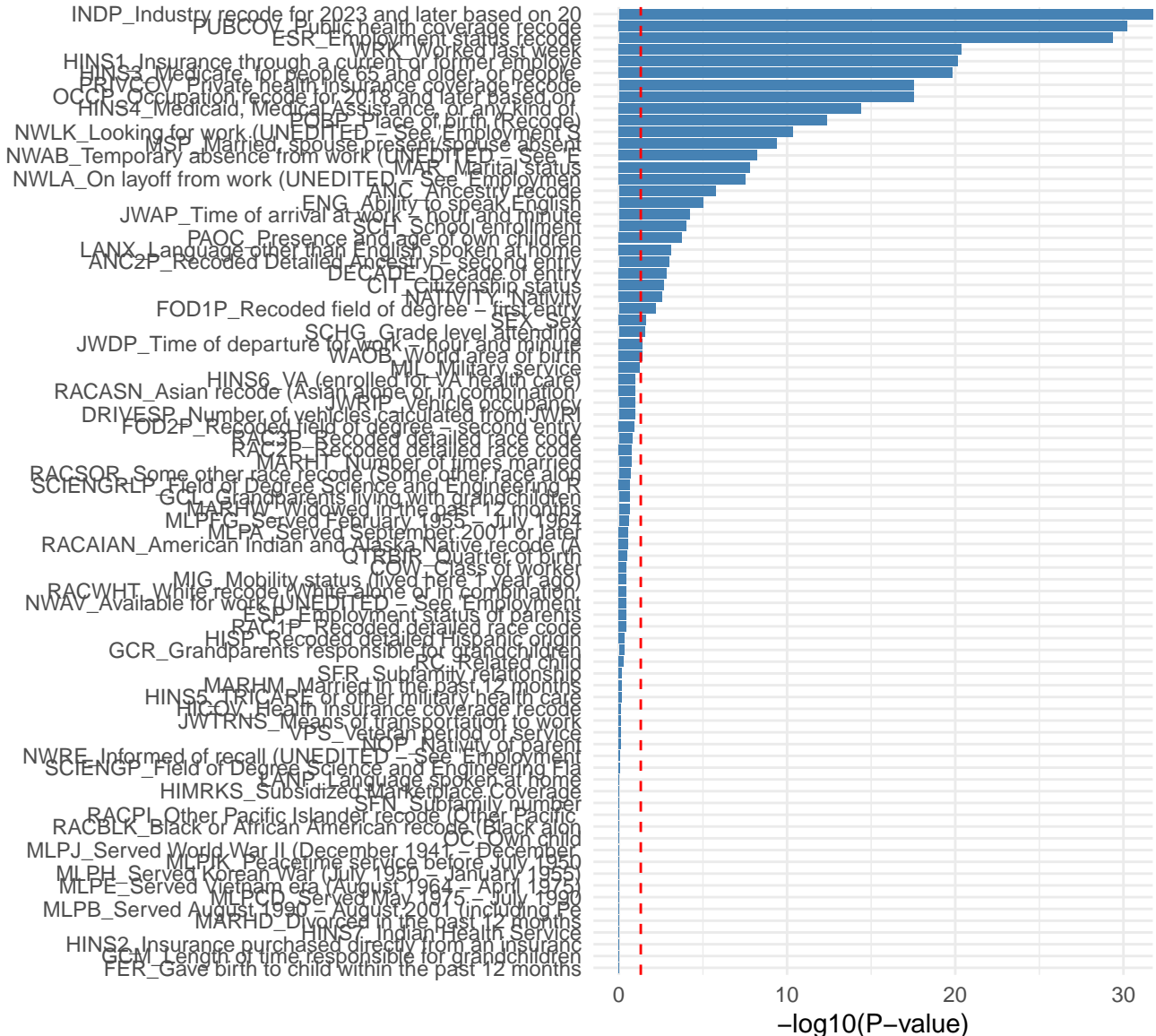
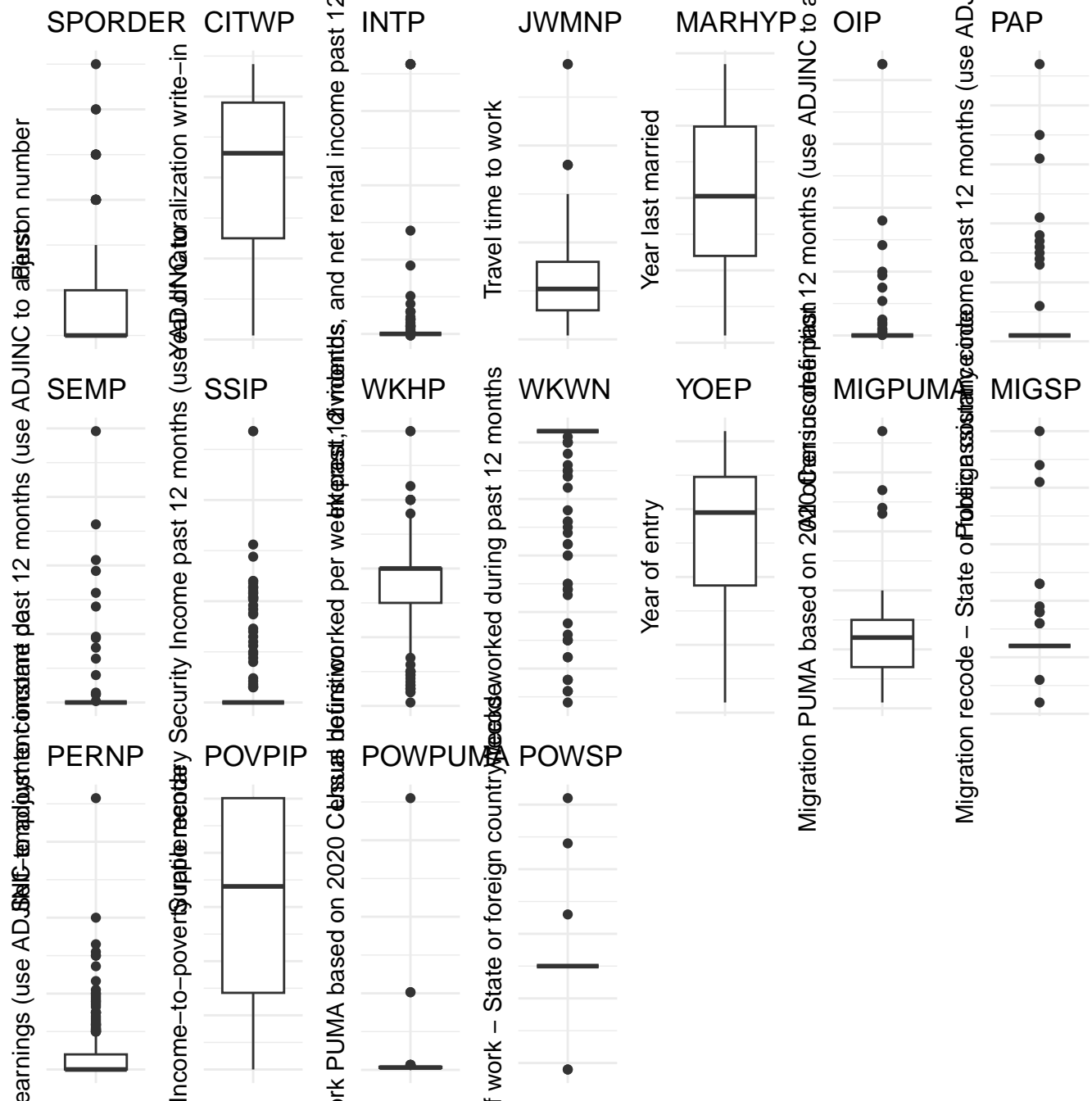


# Fisher Scores for Categorical and Logical with Missing Included

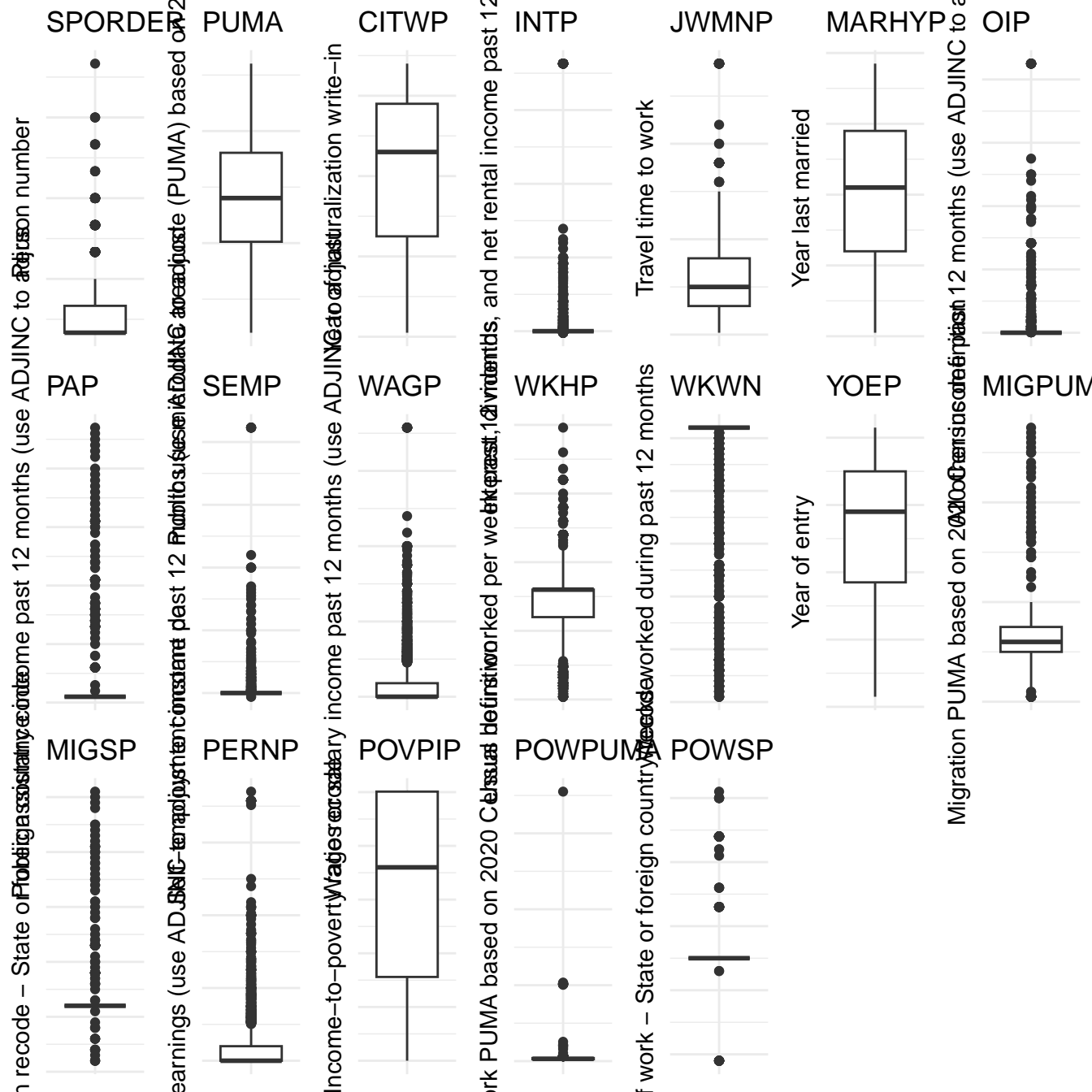
Select 2 – Balanced 1



Red line indicates p-value threshold of 0.01

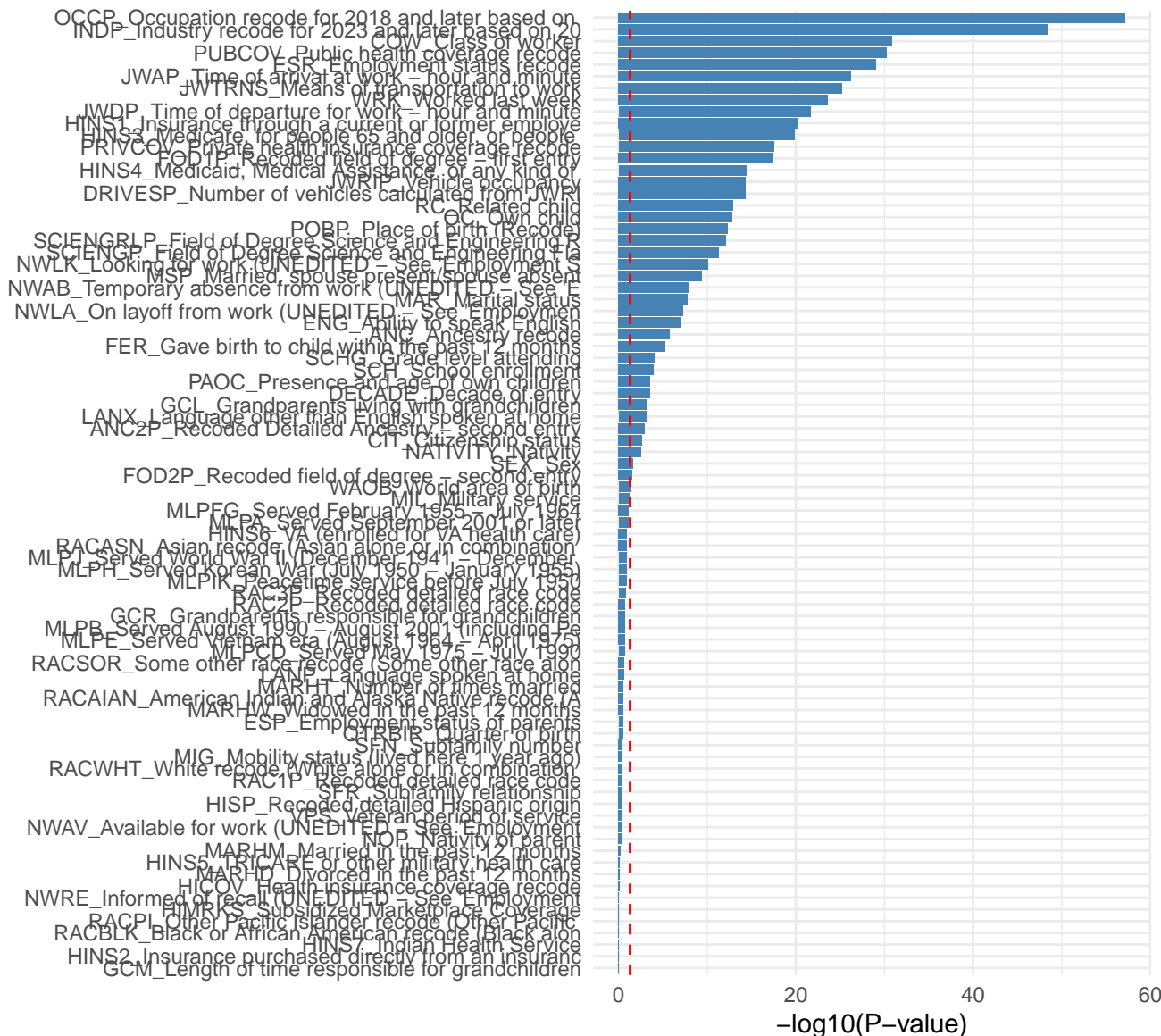




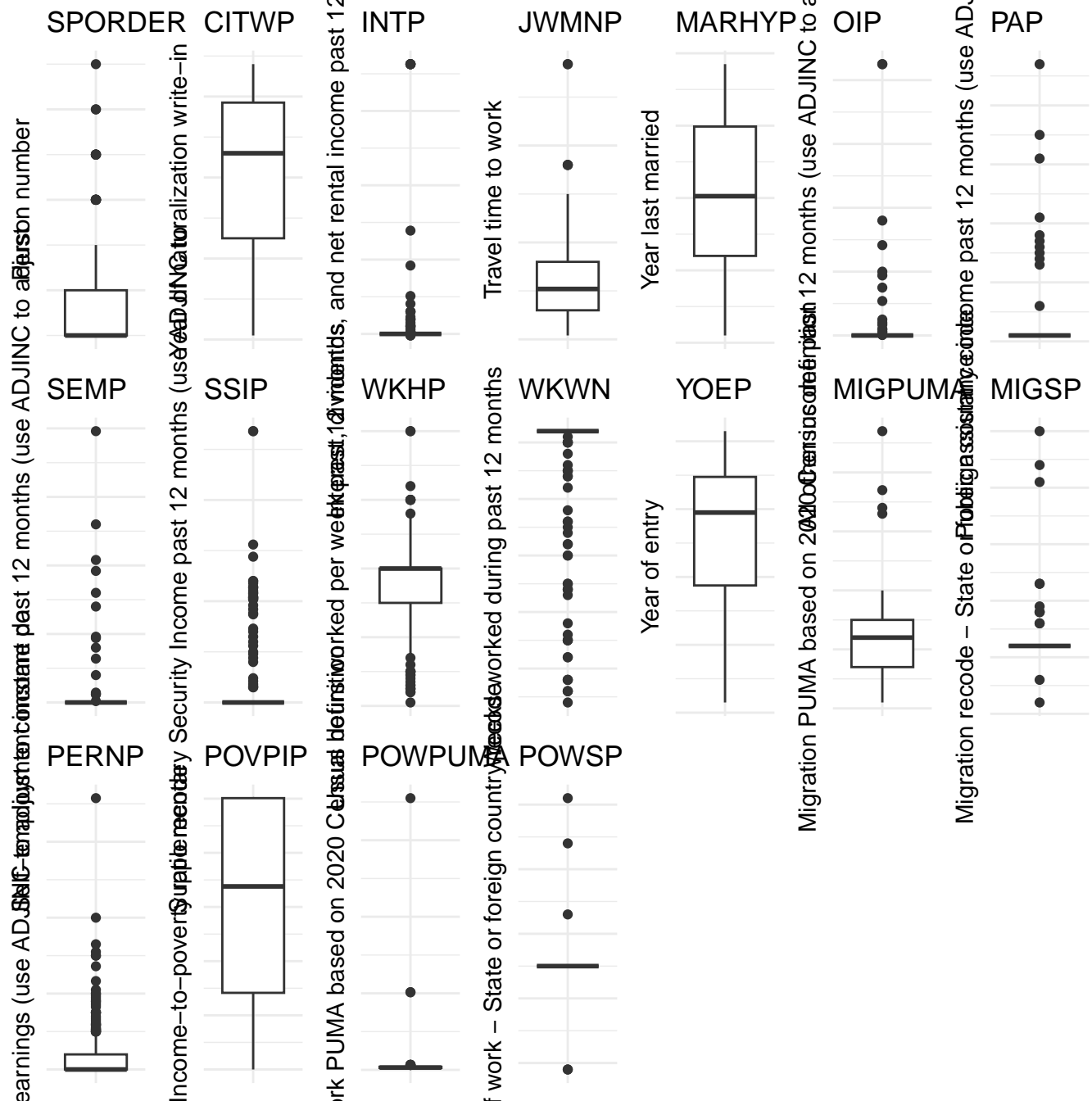


# Fisher Scores for Categorical and Logical with Missing Included

Select 3 – Balanced 1

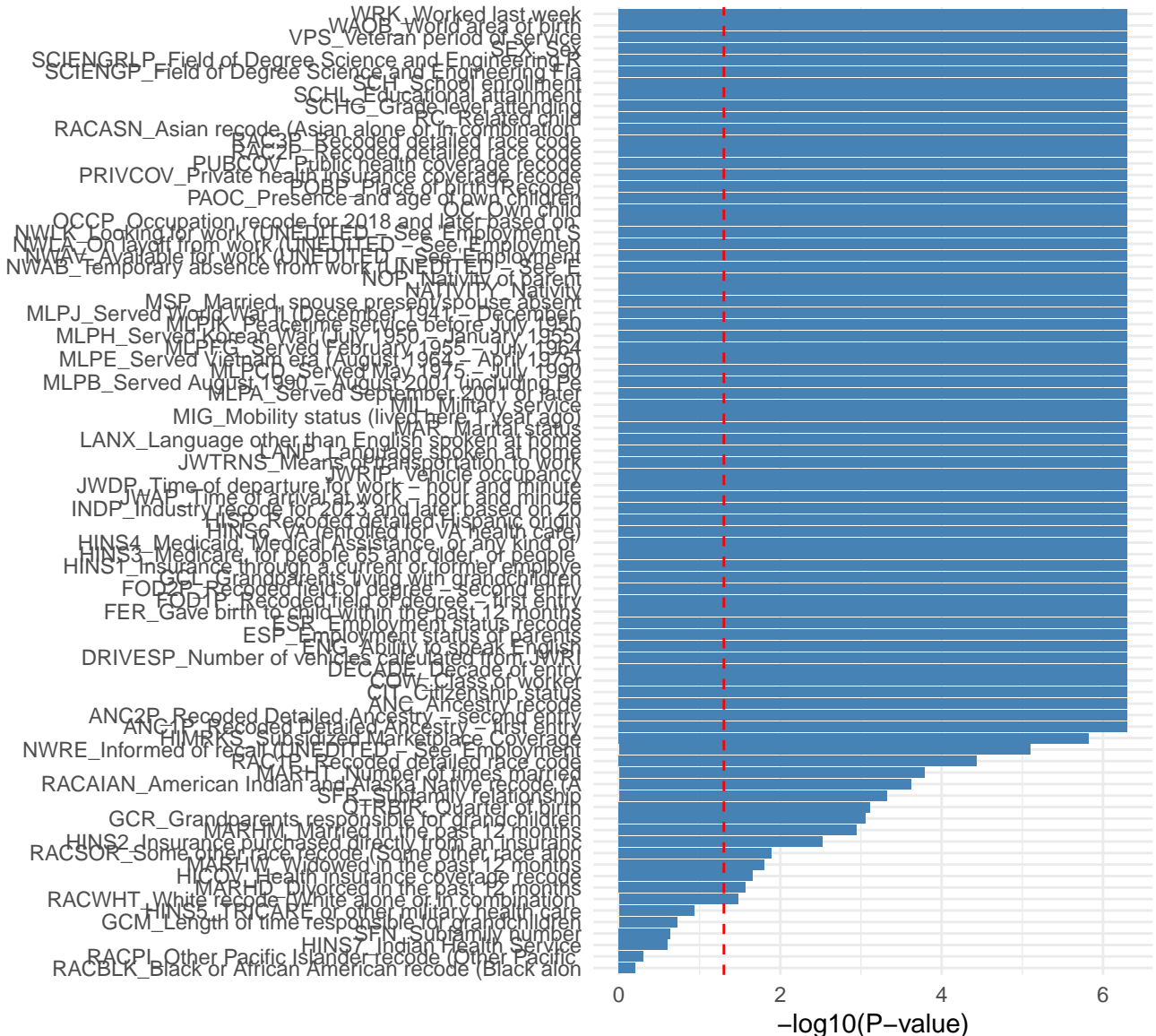


Red line indicates p-value threshold of 0.01

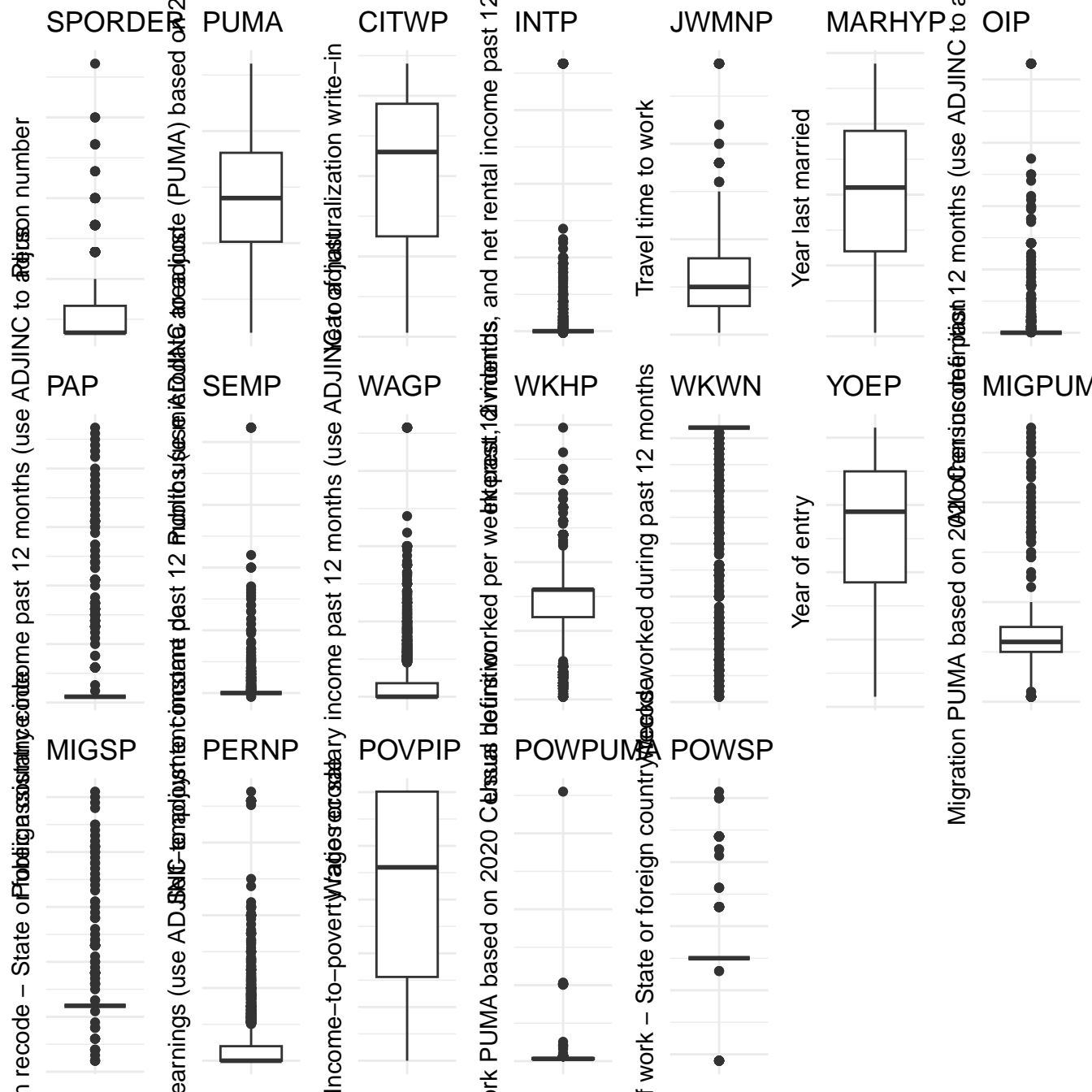


# Fisher Scores for Categorical and Logical with Missing Included

Select 3 – Balanced 2

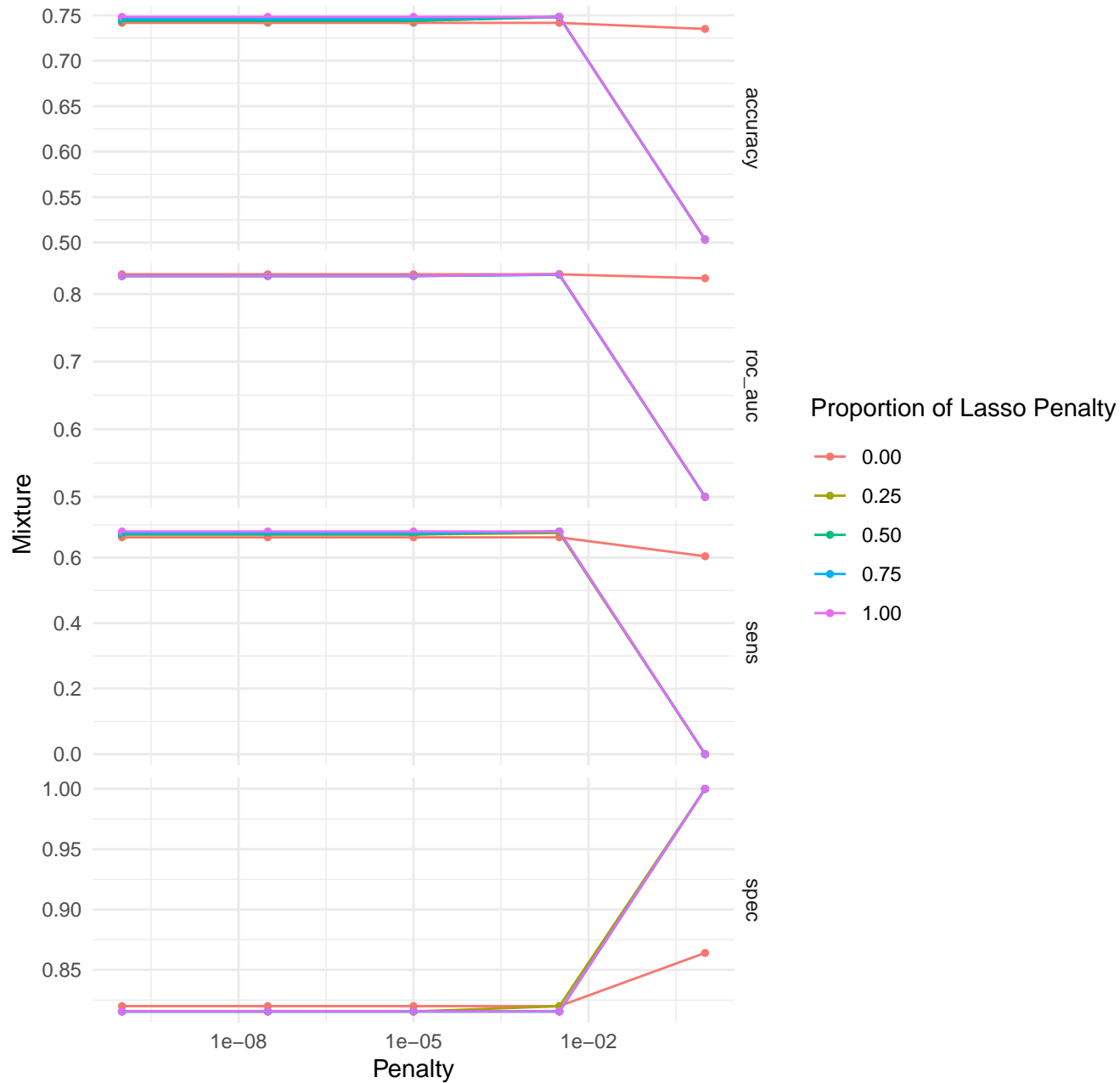


Red line indicates p-value threshold of 0.01





# Tuning Results for Logistic Regression



Confusion Matrix for Logistic Regression

Actual Class

0

845

24

1

364

63

0

1

Predicted Class

Freq

800

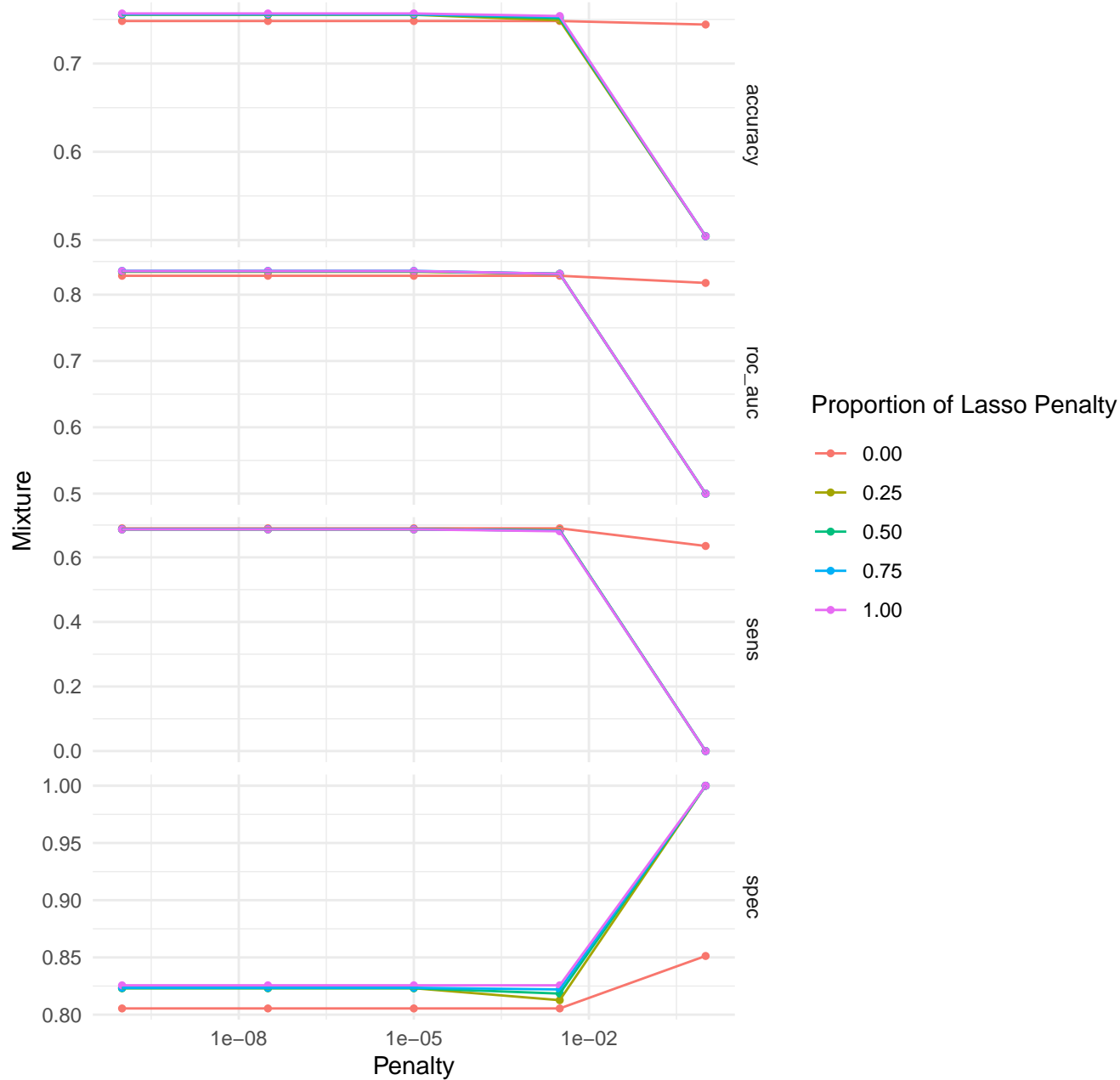
600

400

200



# Tuning Results for Logistic Regression



Confusion Matrix for Logistic Regression

Actual Class

0

846

21

1

363

66

0

1

Predicted Class

Freq

800

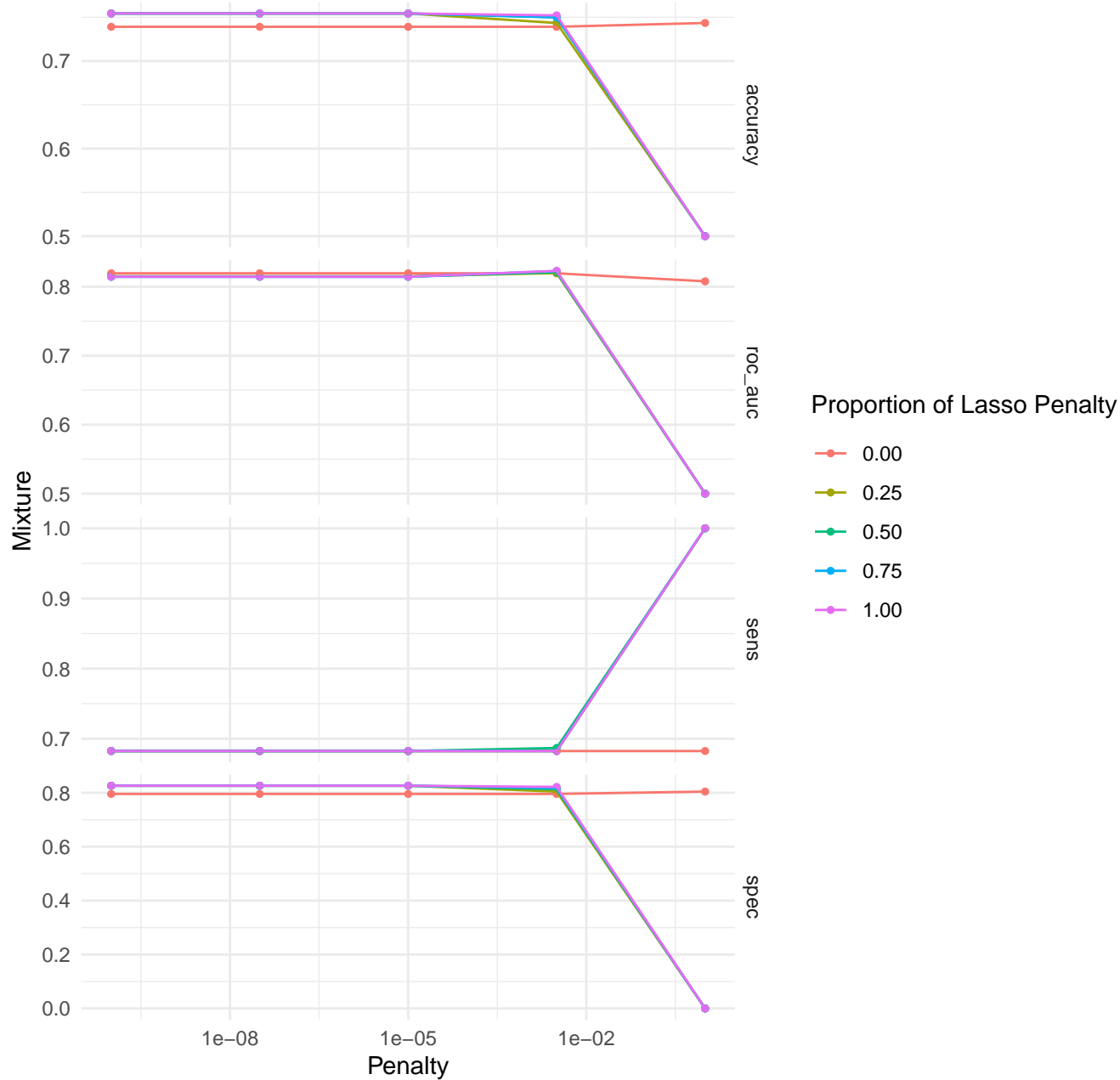
600

400

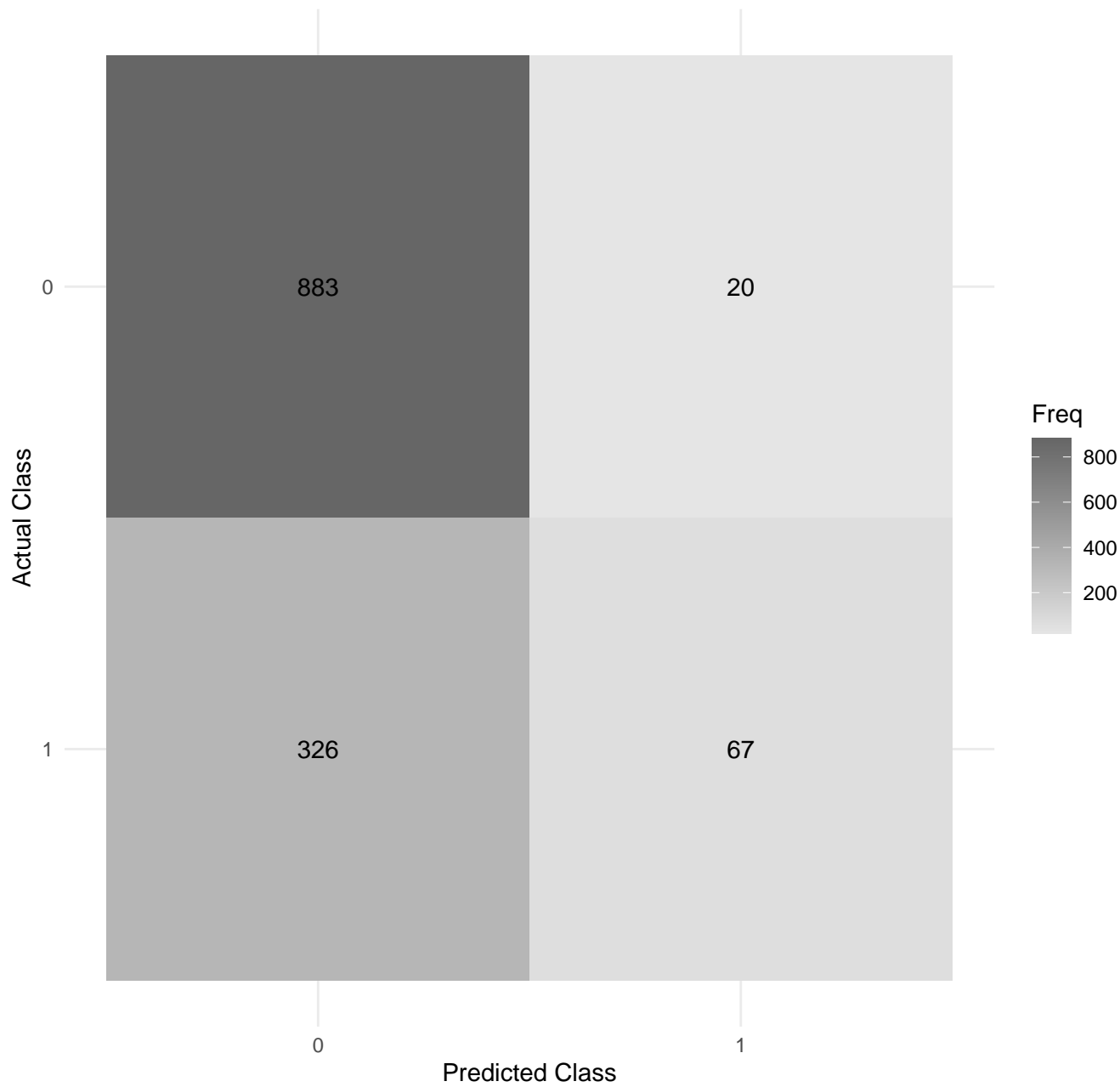
200



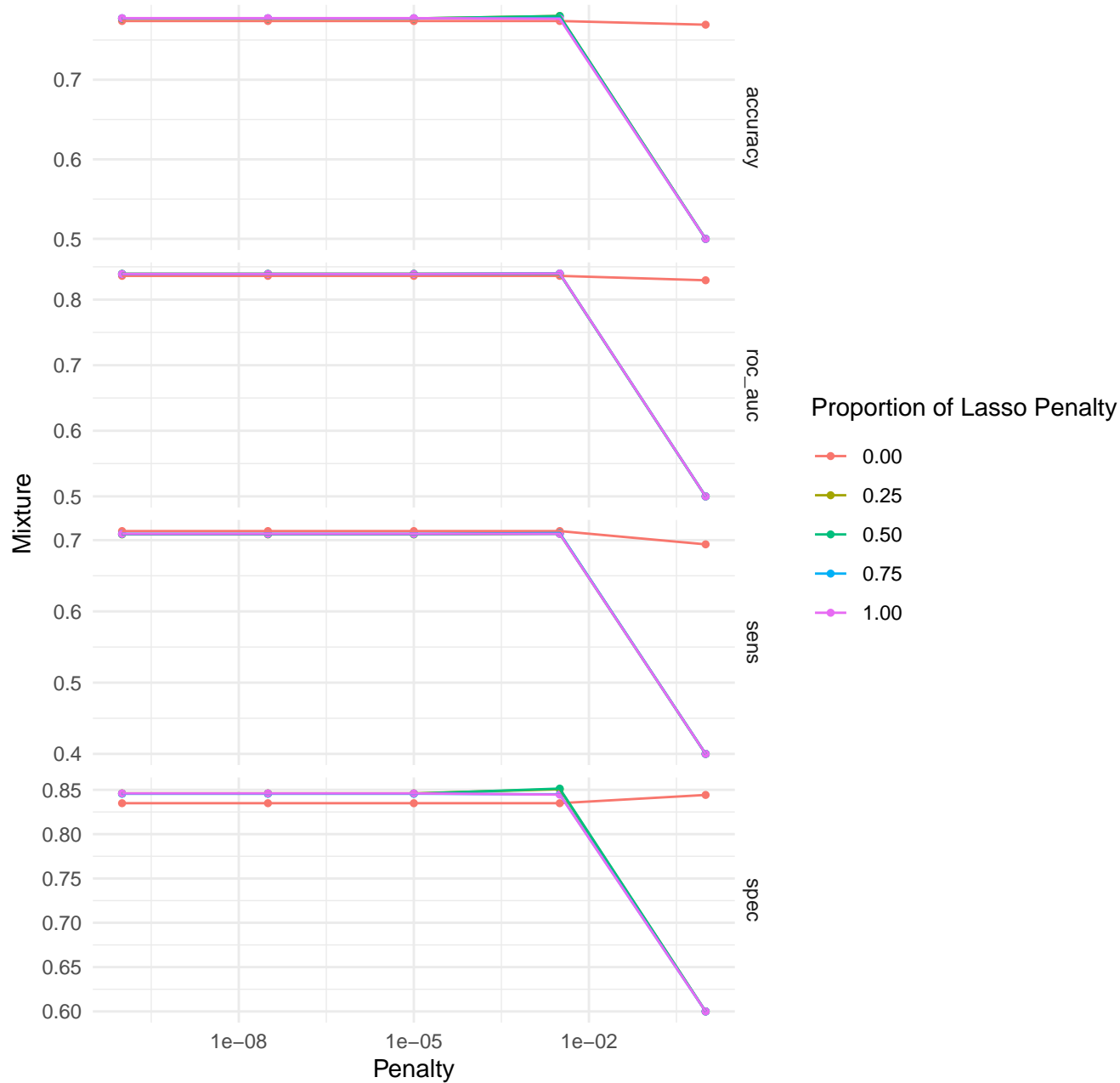
# Tuning Results for Logistic Regression



Confusion Matrix for Logistic Regression



# Tuning Results for Logistic Regression



Confusion Matrix for Logistic Regression

Actual Class

0

886

14

1

323

73

0

1

Predicted Class

Freq

800

600

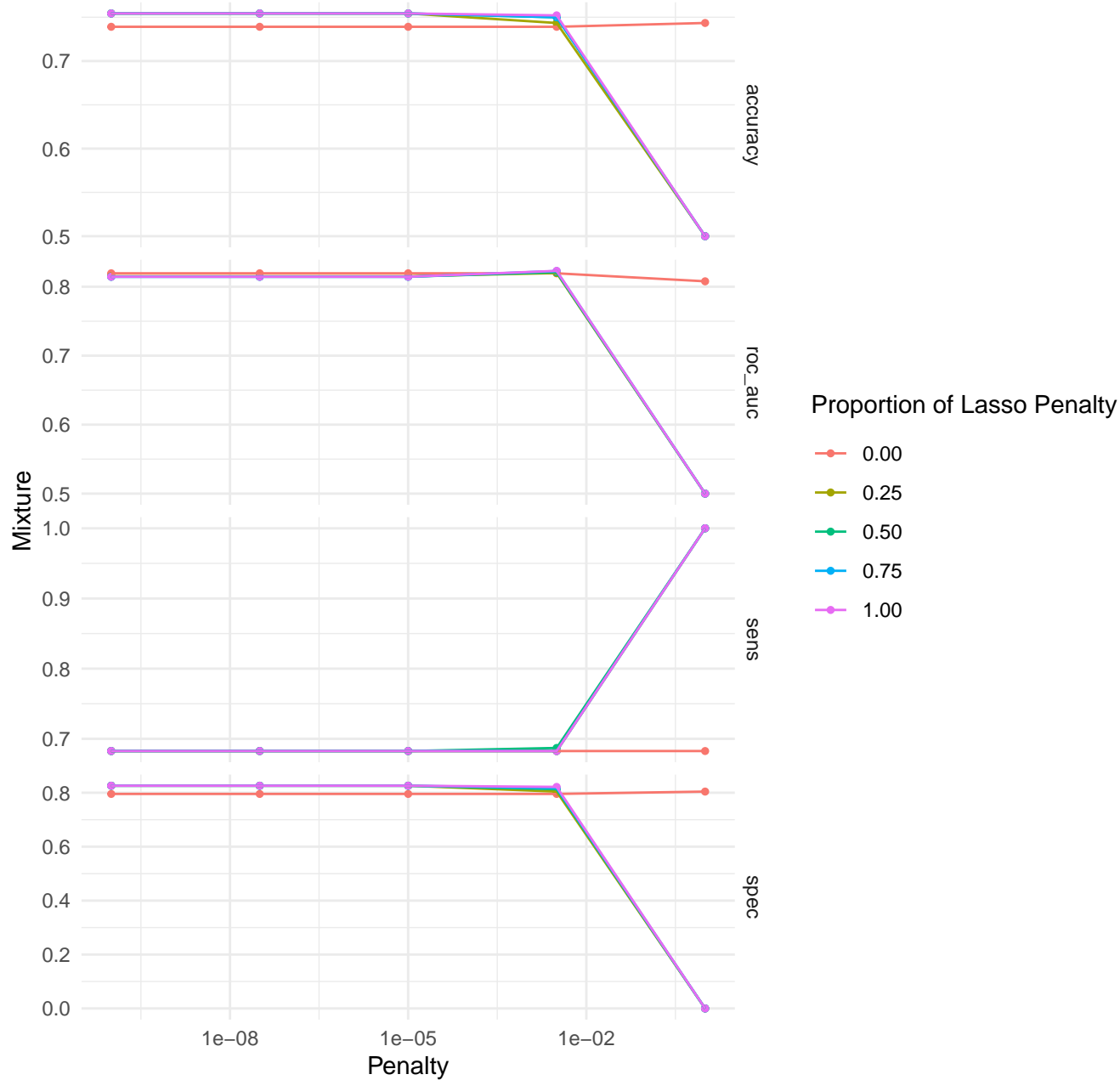
400

200

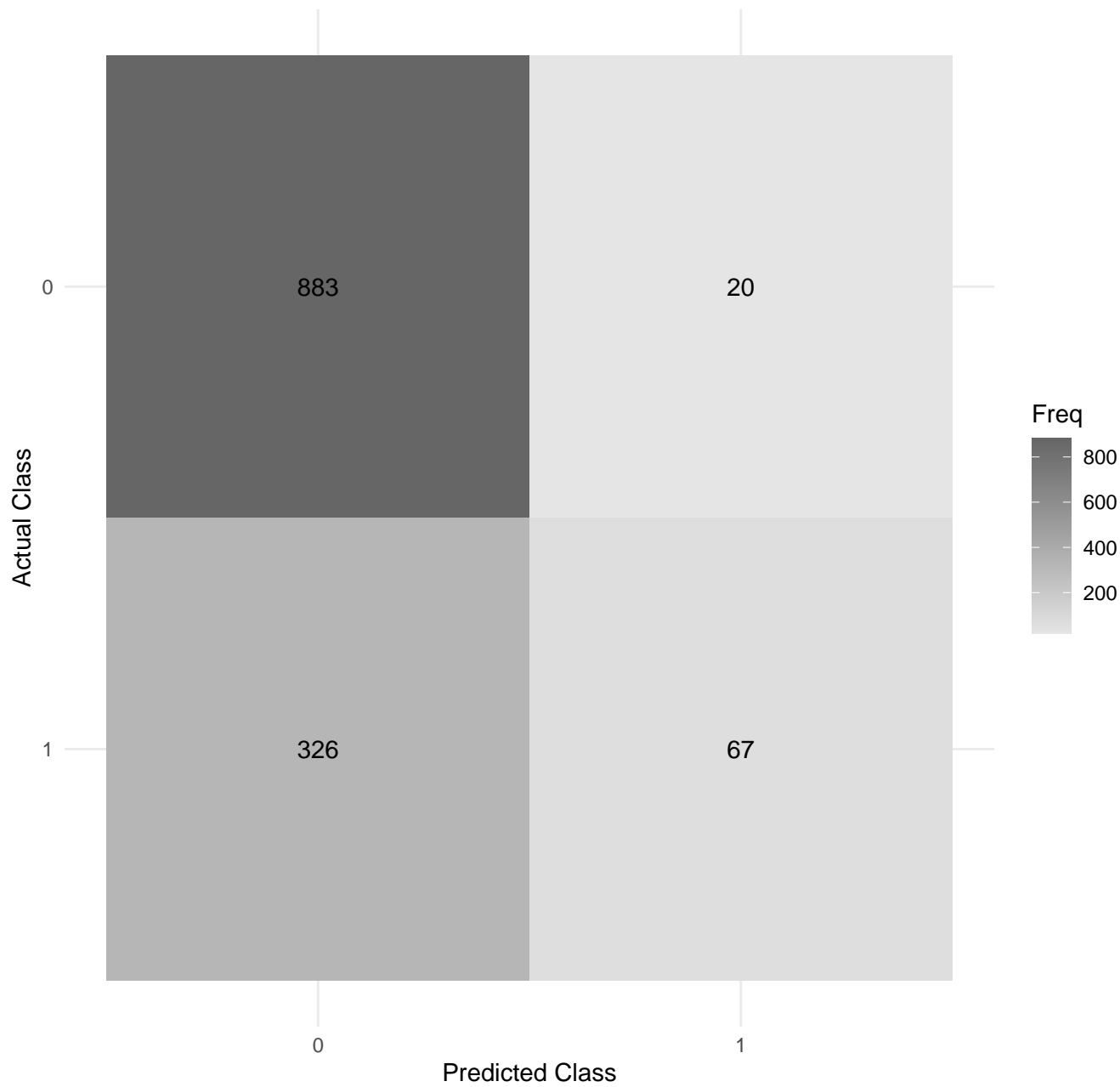




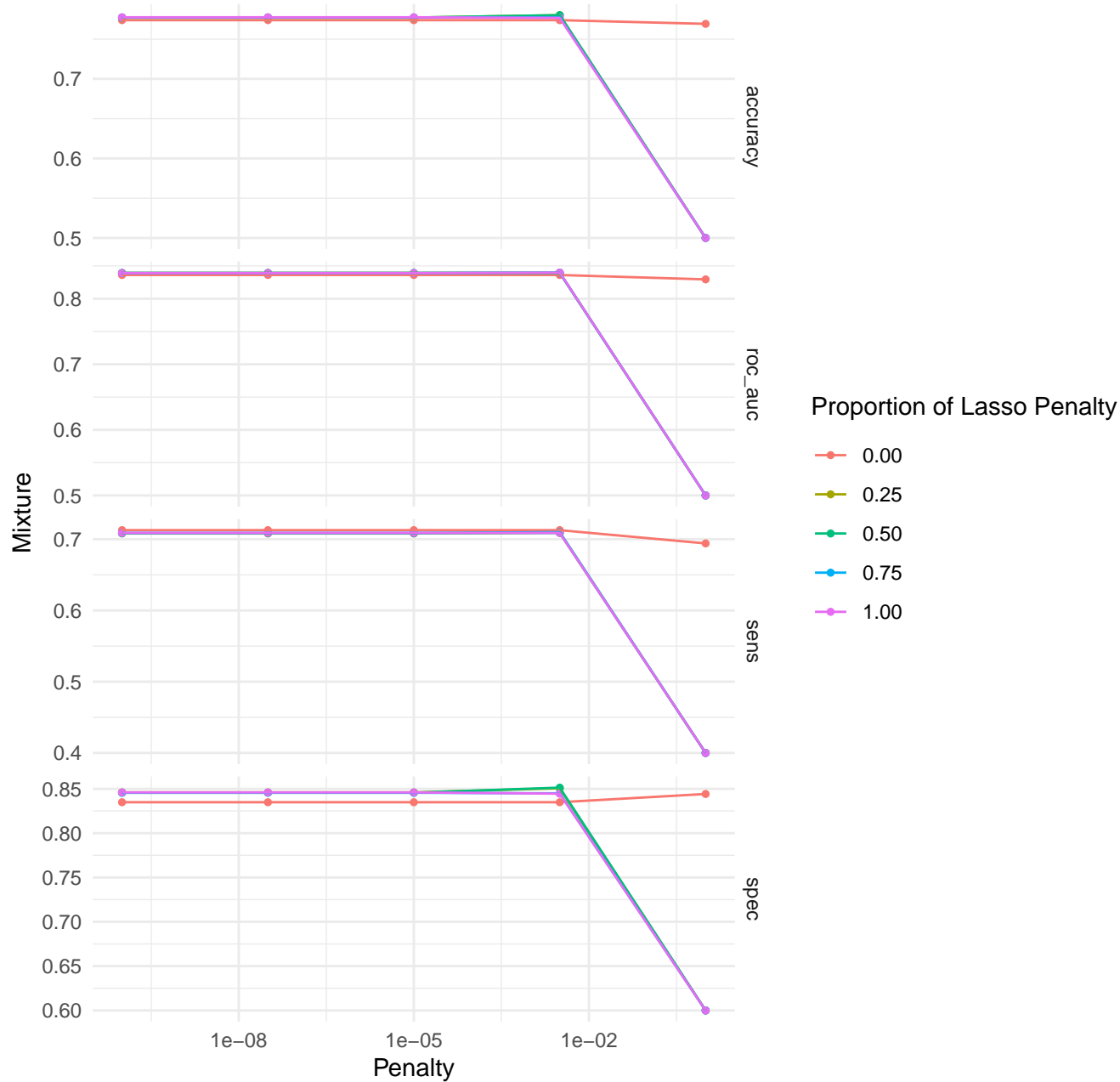
# Tuning Results for Logistic Regression



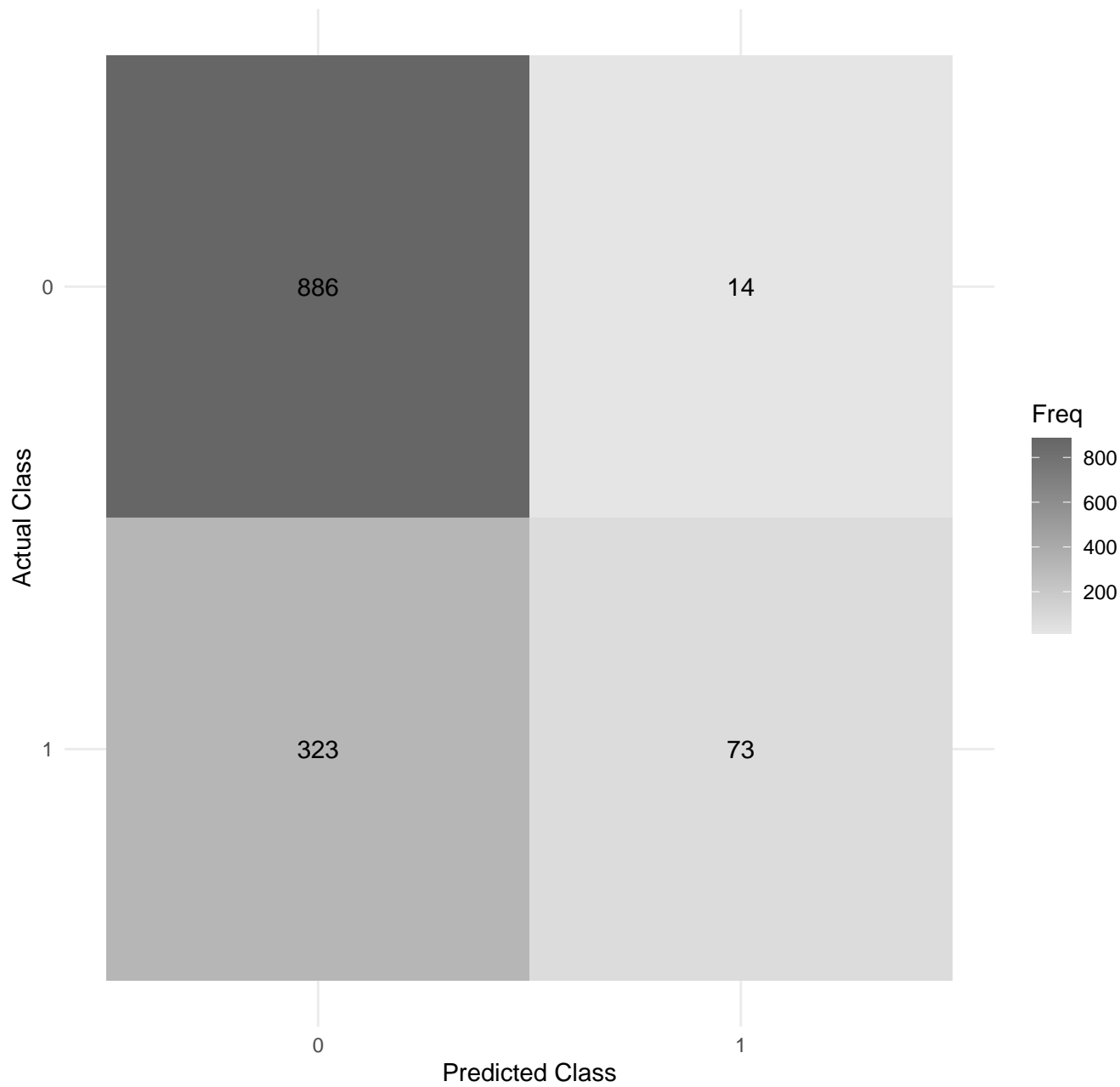
Confusion Matrix for Logistic Regression



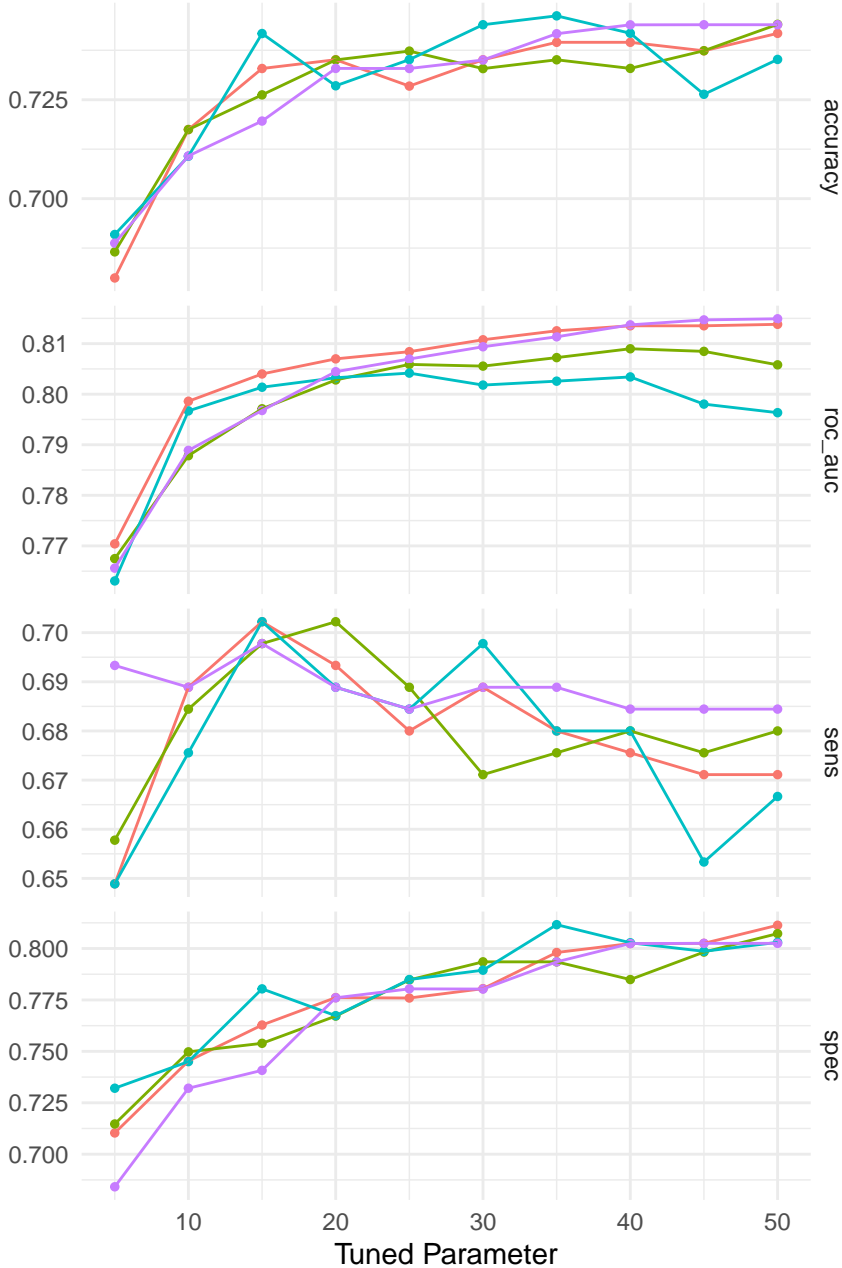
# Tuning Results for Logistic Regression



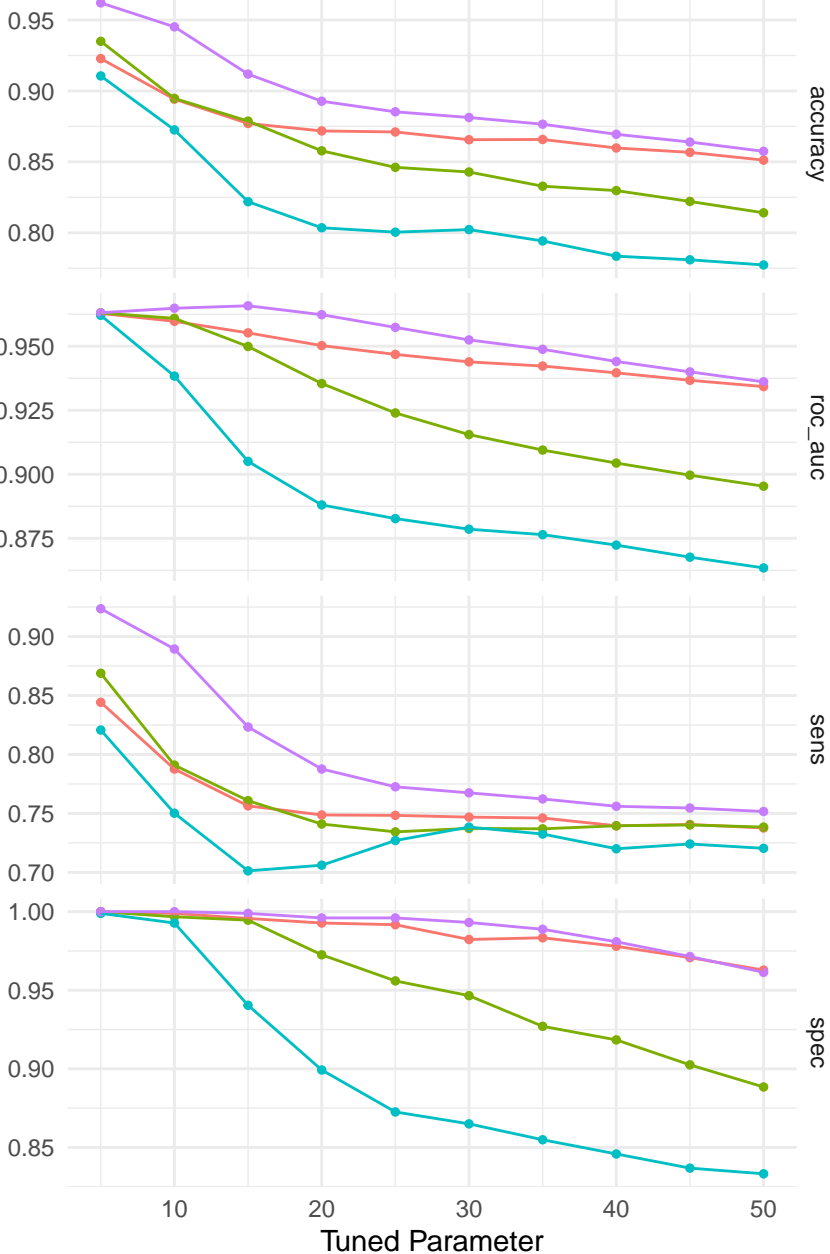
Confusion Matrix for Logistic Regression



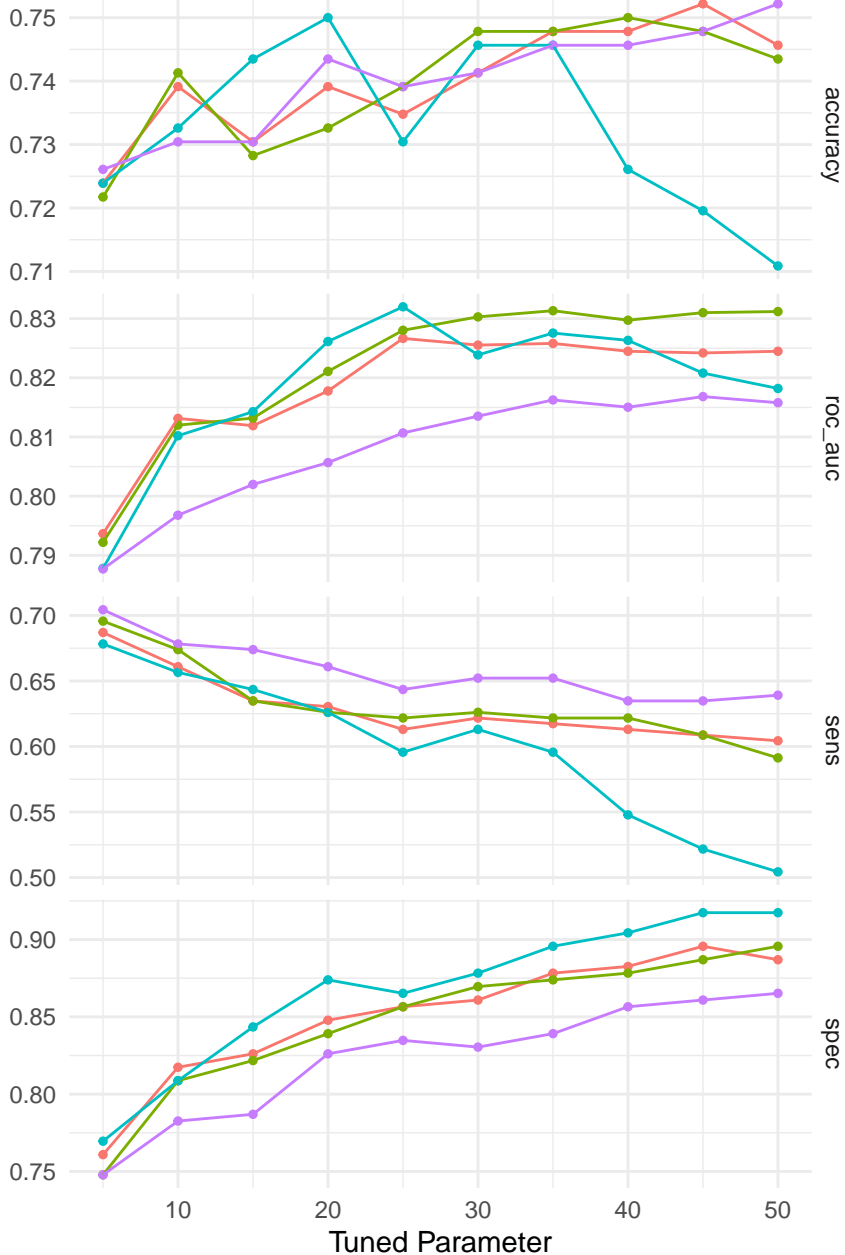
# Tuning Results for K-Nearest Neighbors



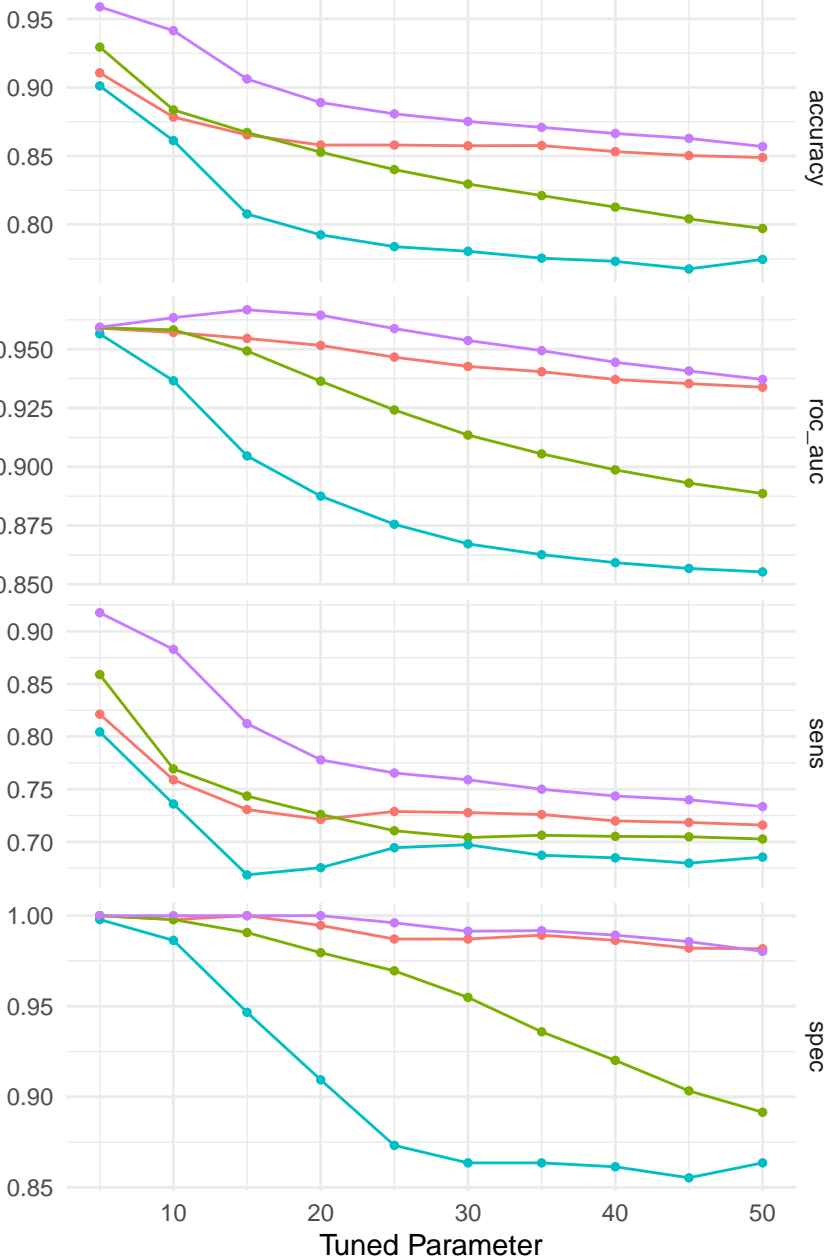
# Tuning Results for K-Nearest Neighbors



# Tuning Results for K-Nearest Neighbors

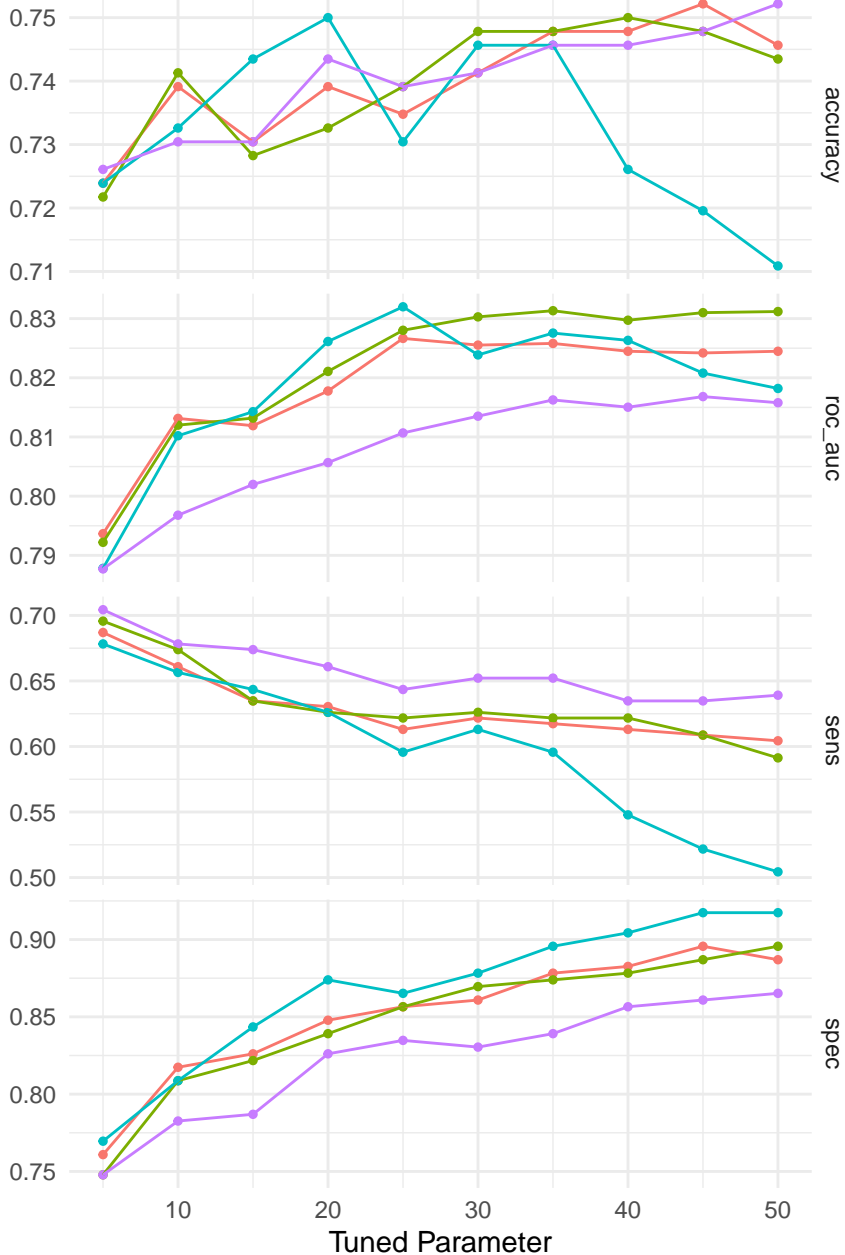


# Tuning Results for K-Nearest Neighbors

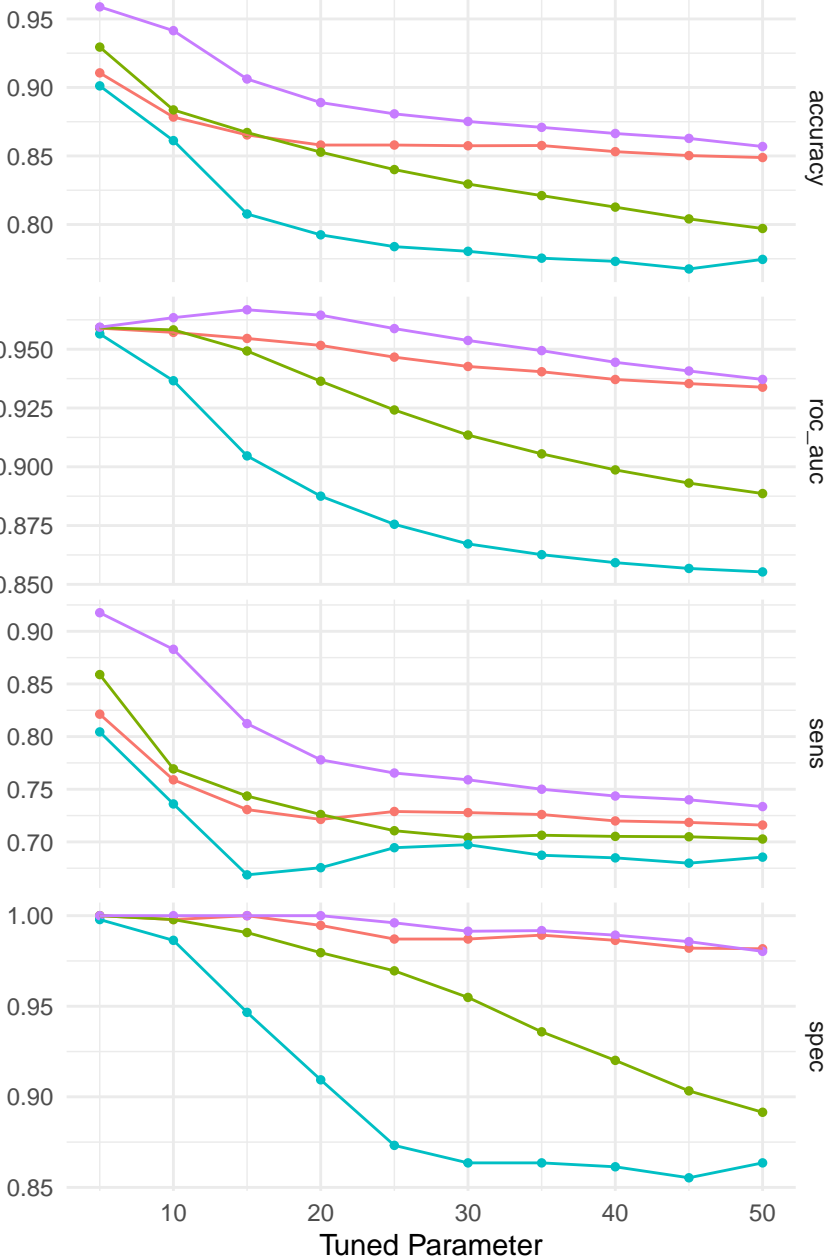




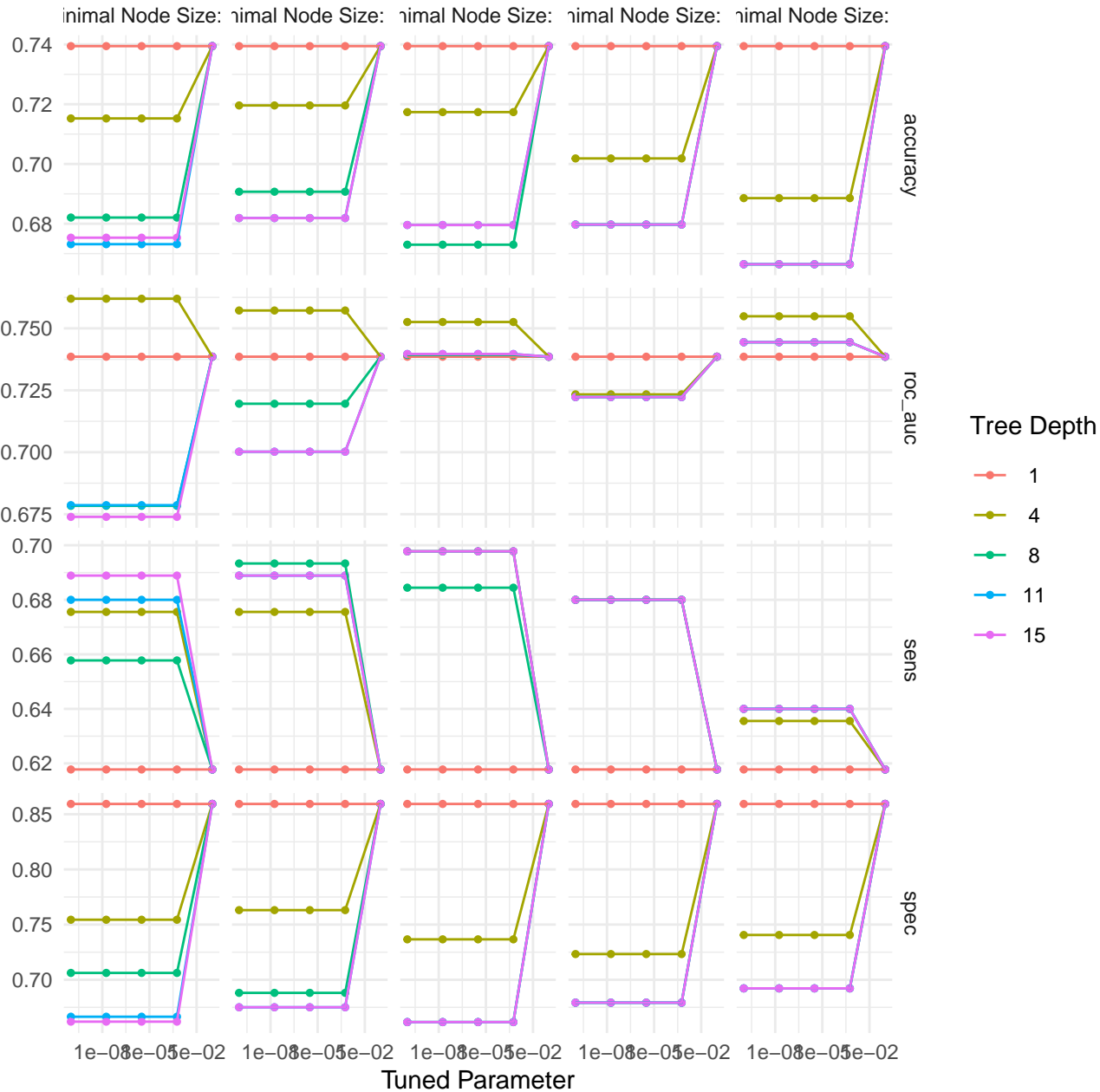
# Tuning Results for K-Nearest Neighbors



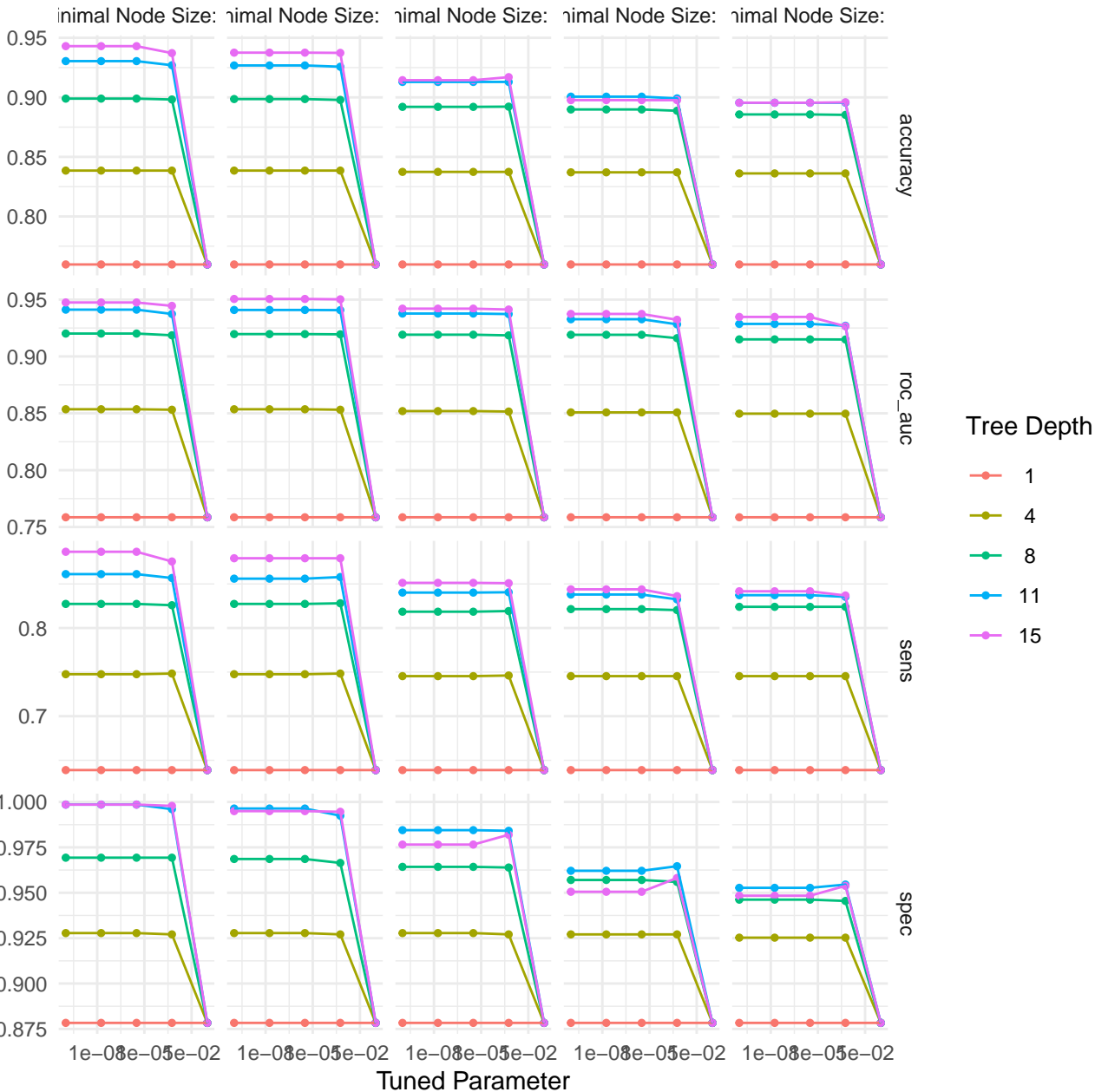
# Tuning Results for K-Nearest Neighbors



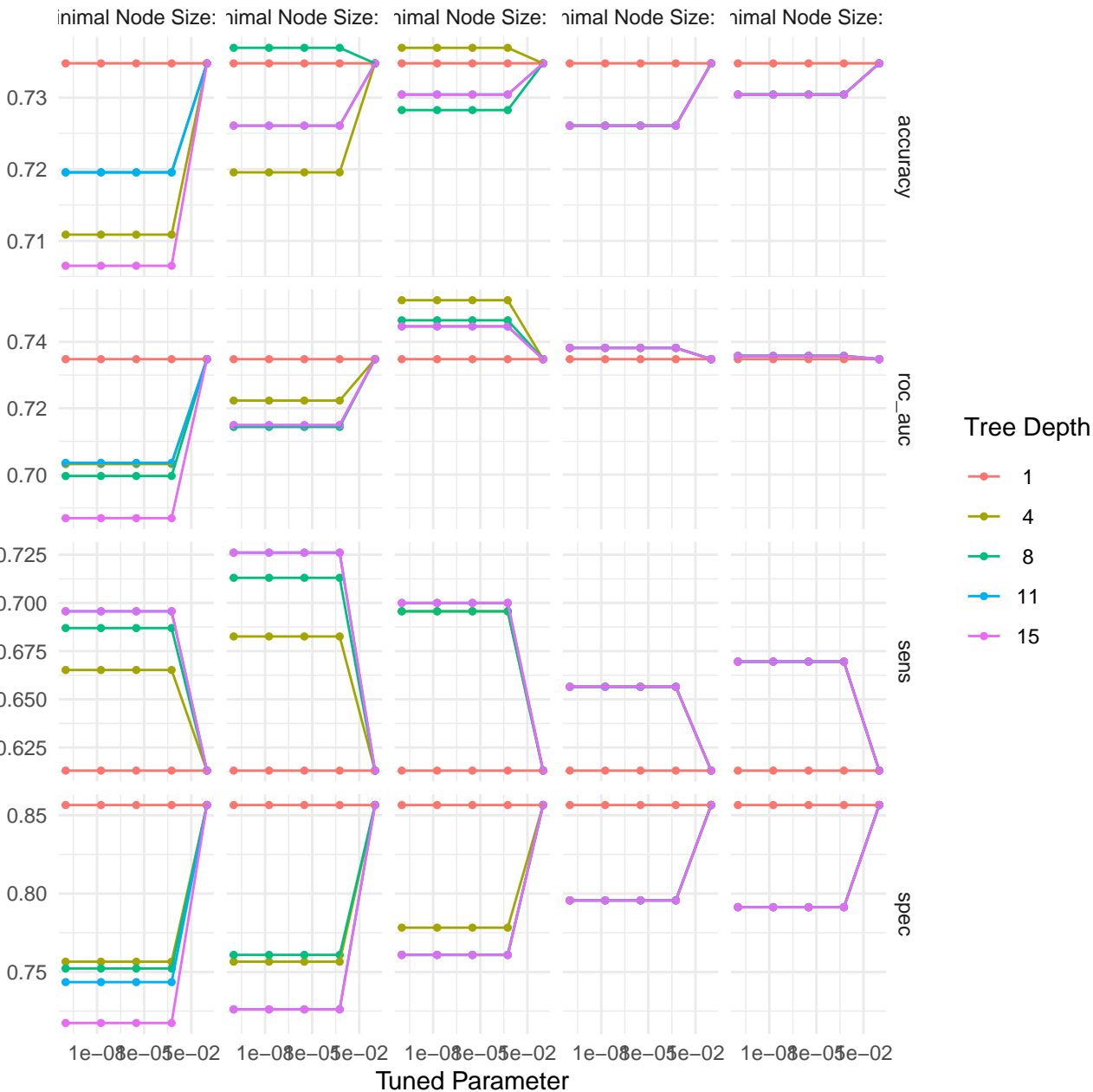
# Tuning Results for Decision Tree



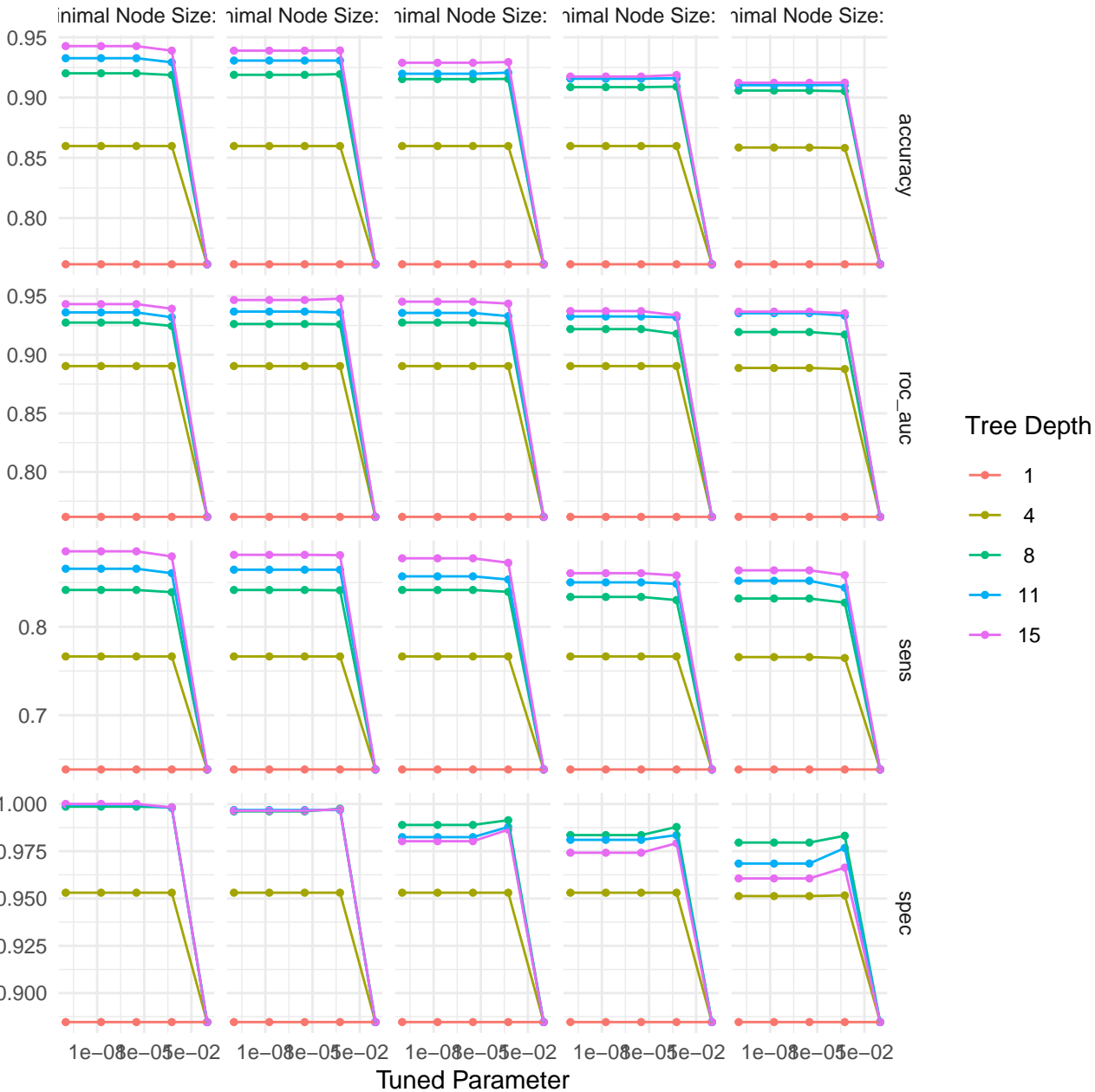
# Tuning Results for Decision Tree



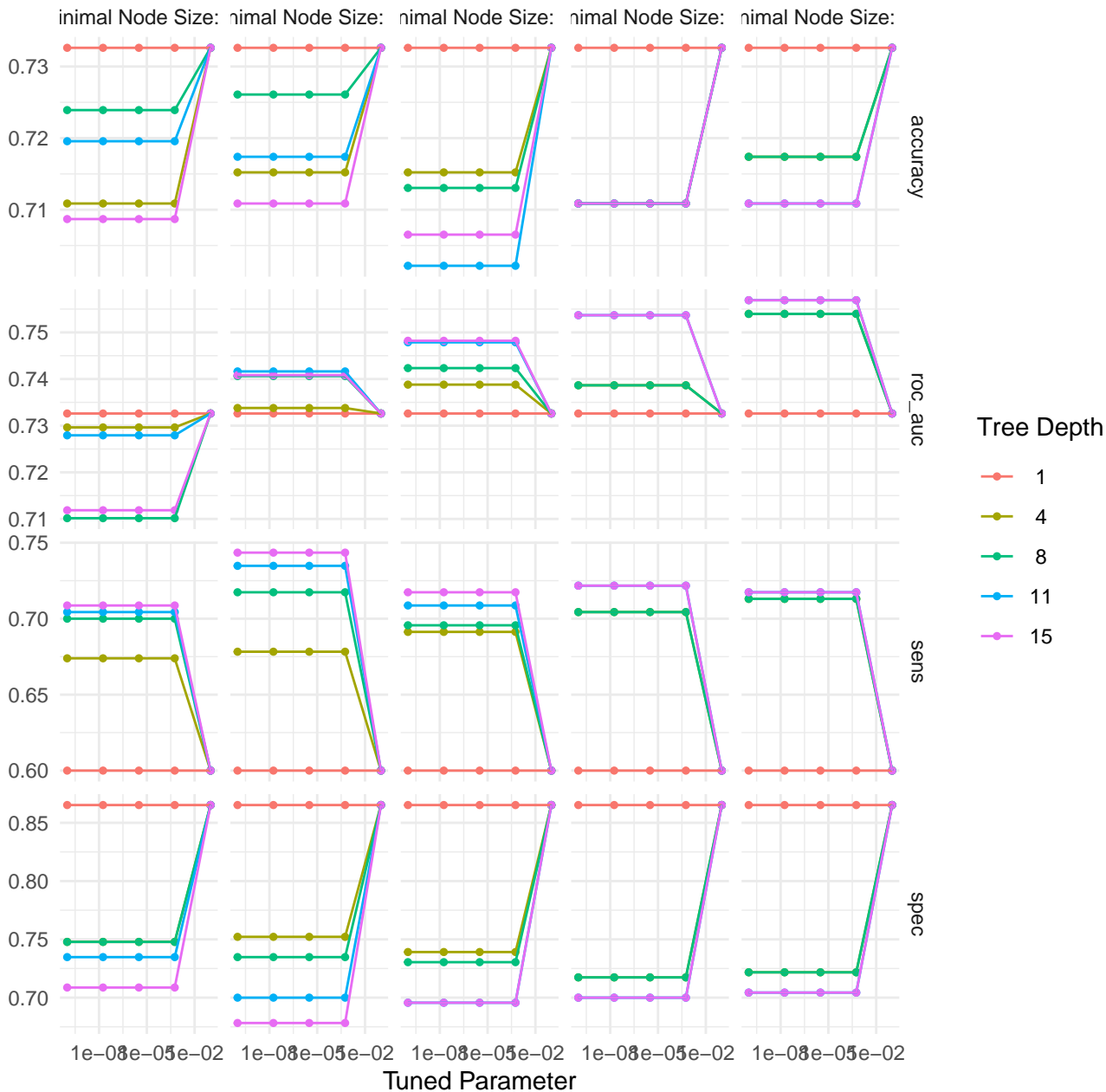
# Tuning Results for Decision Tree



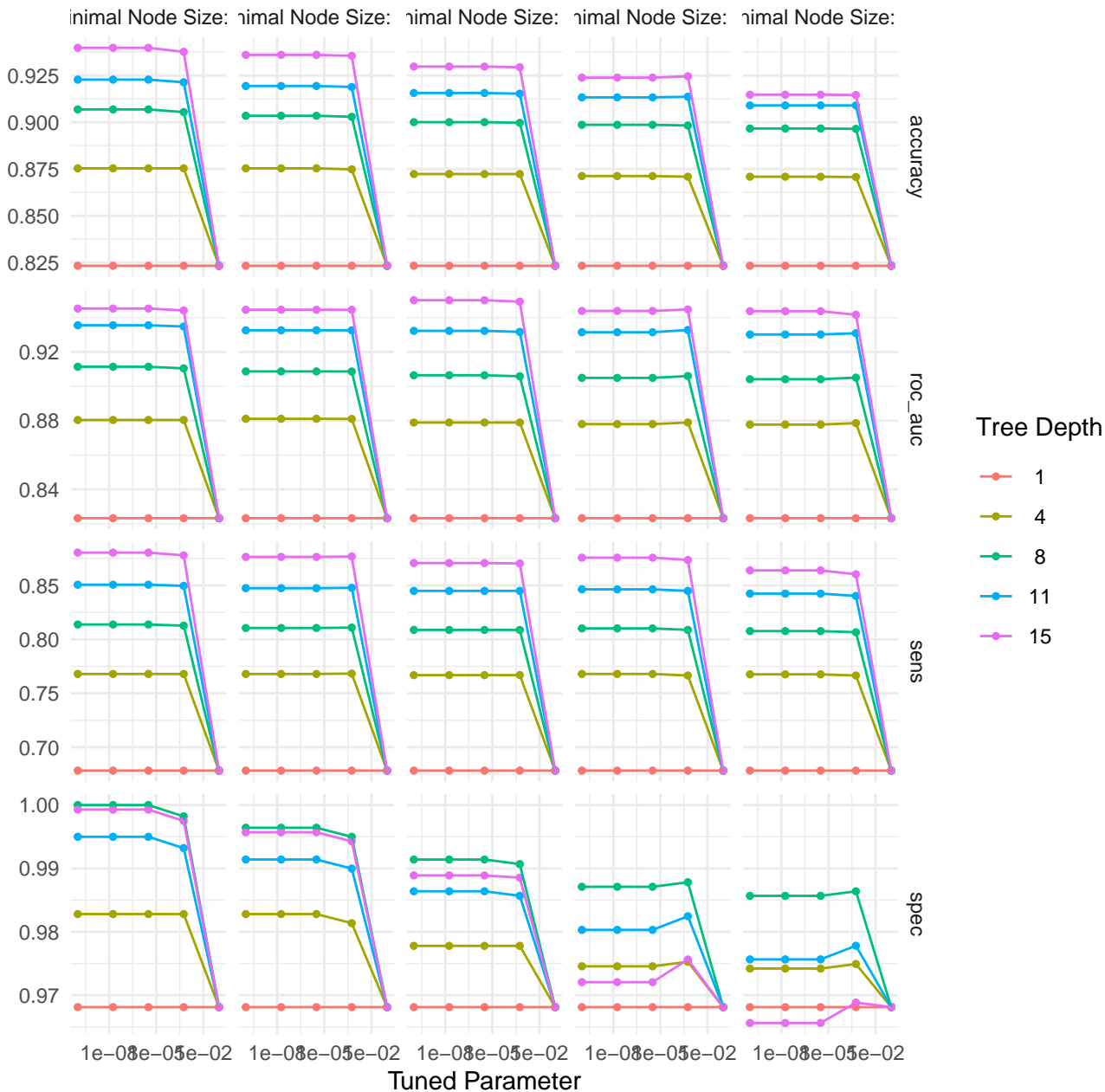
# Tuning Results for Decision Tree



# Tuning Results for Decision Tree



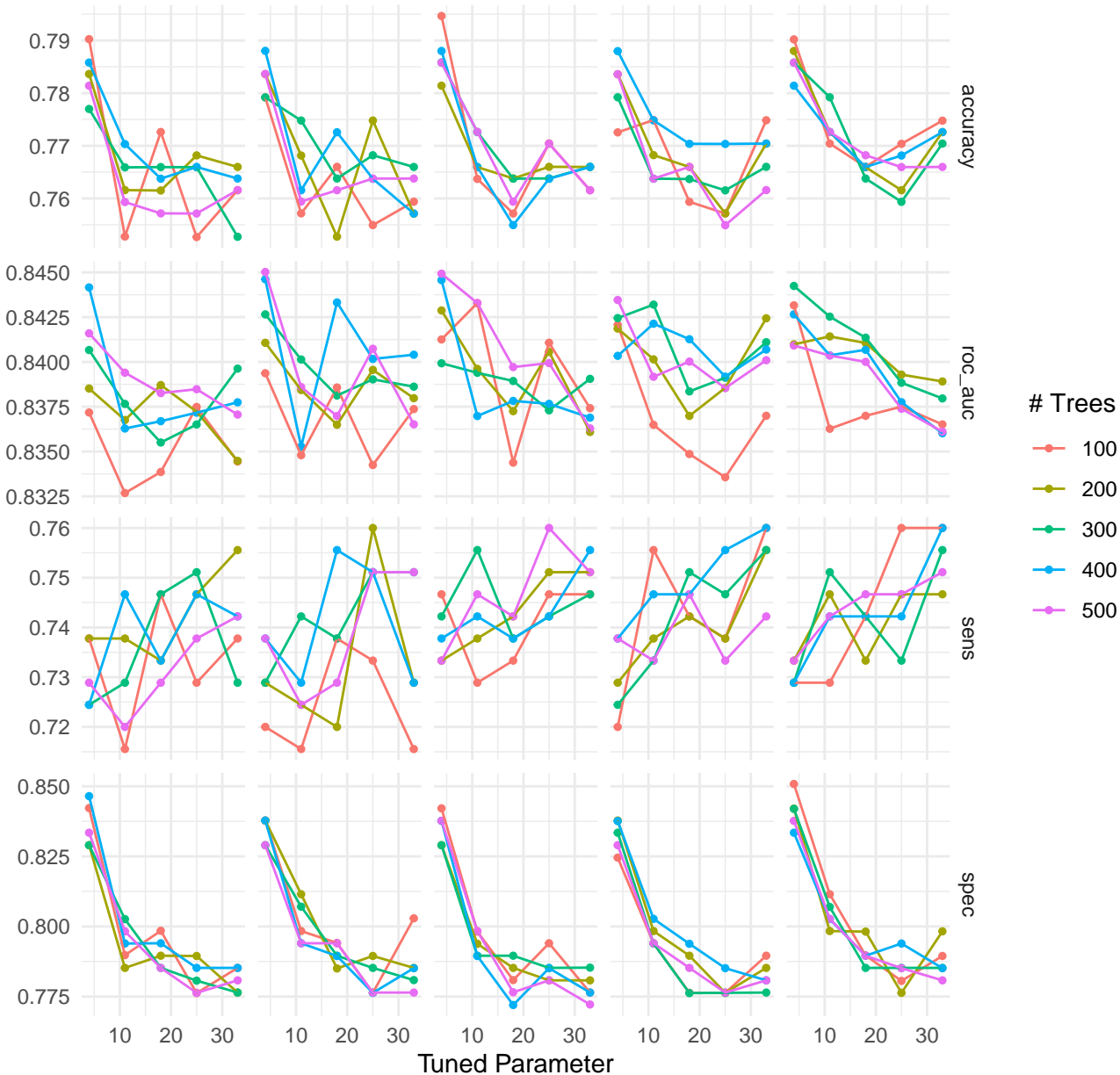
# Tuning Results for Decision Tree



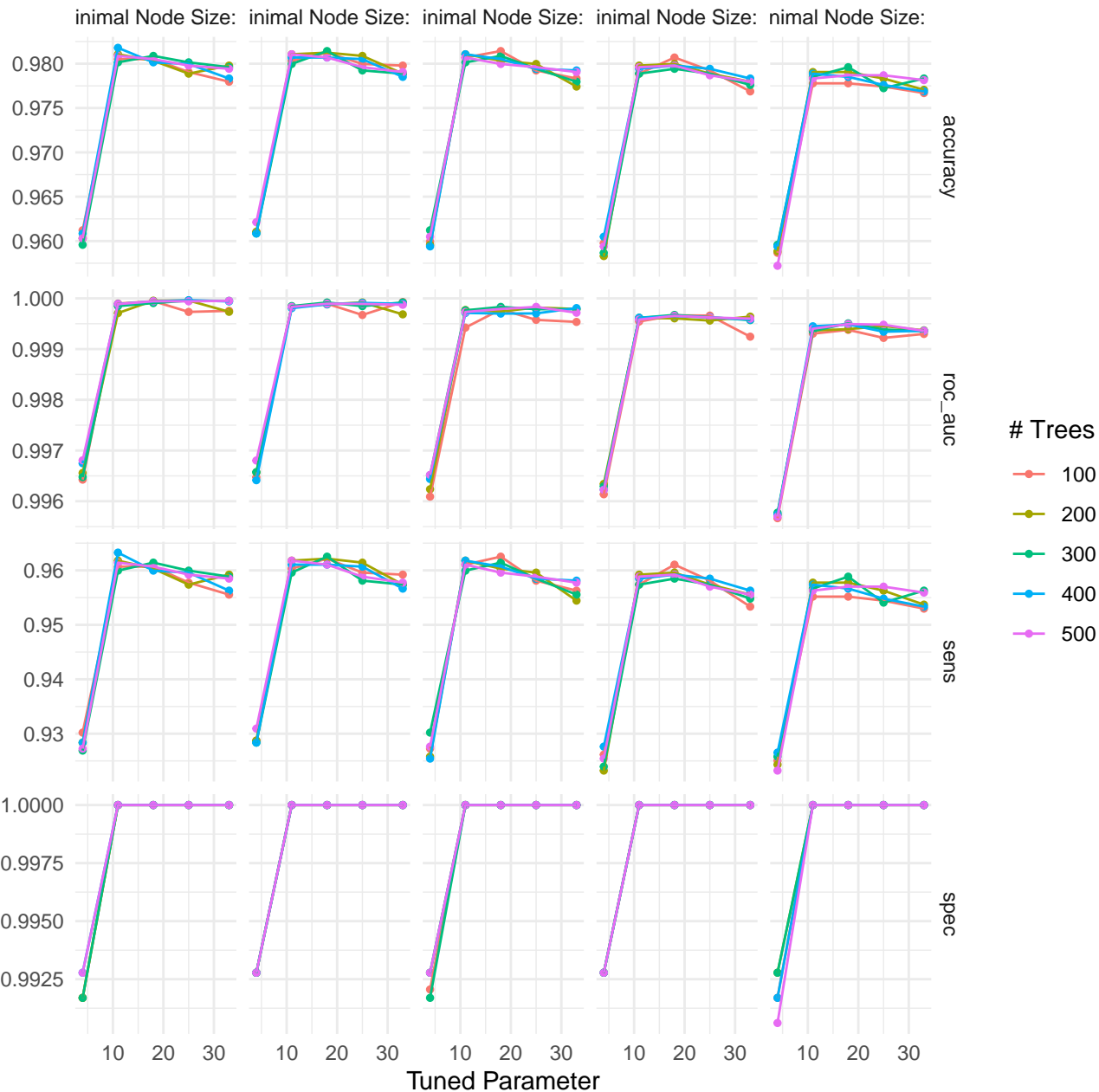


# Tuning Results for Random Forest

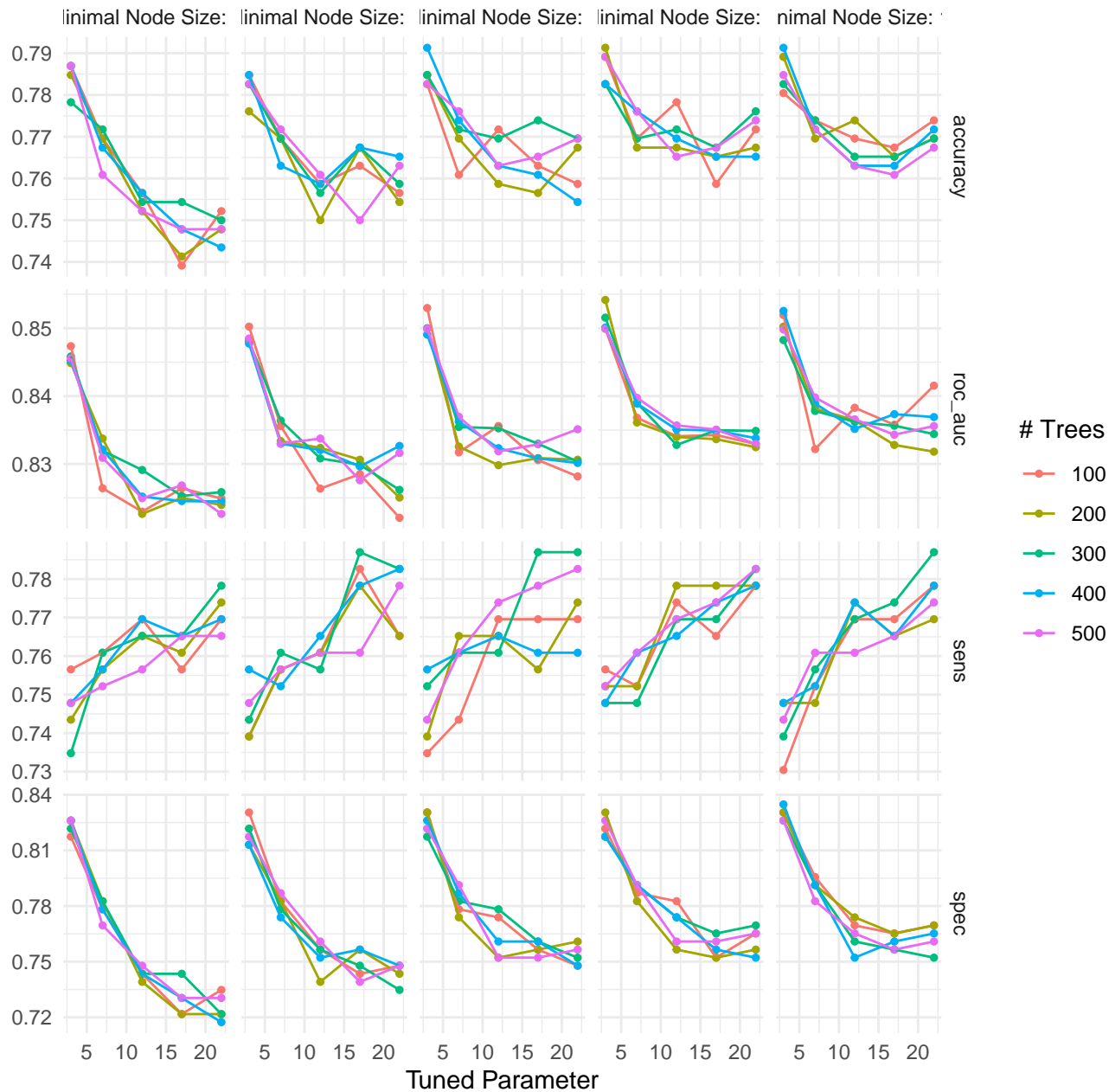
imal Node Size: iminal Node Size: iminal Node Size: iminal Node Size: nimal Node Size:



# Tuning Results for Random Forest

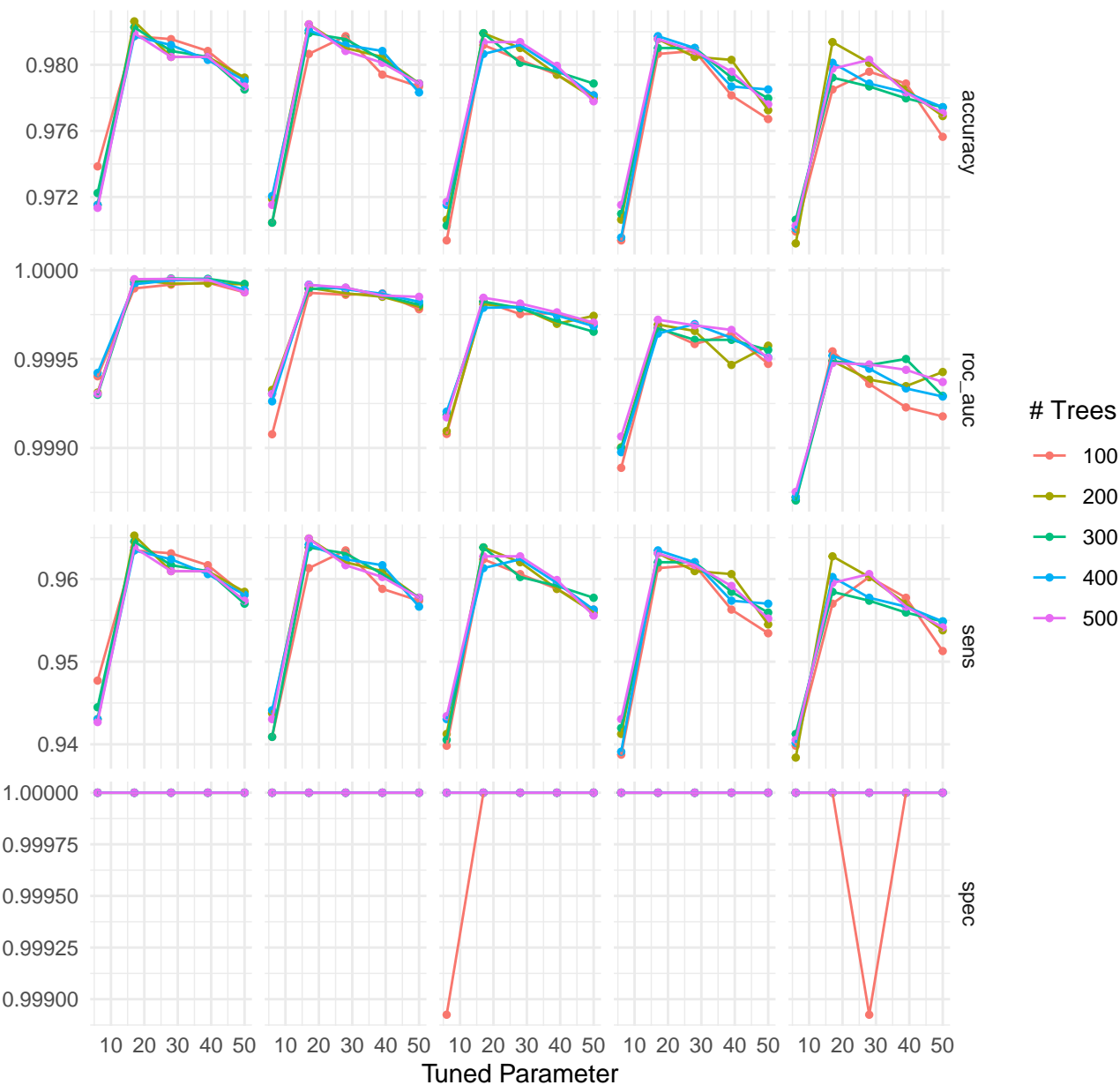


# Tuning Results for Random Forest

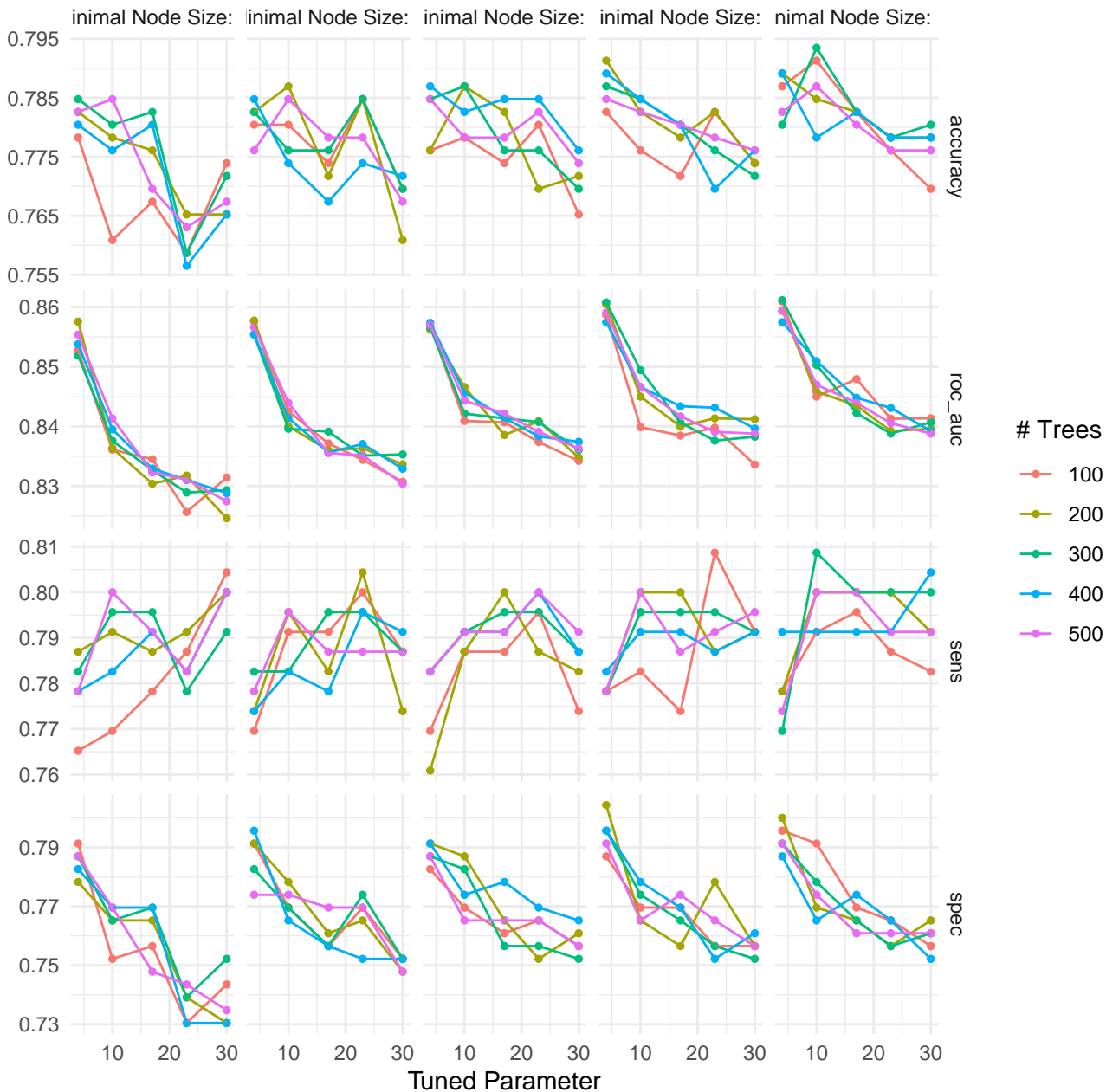


# Tuning Results for Random Forest

inimal Node Size: inimal Node Size: inimal Node Size: inimal Node Size: inimal Node Size:

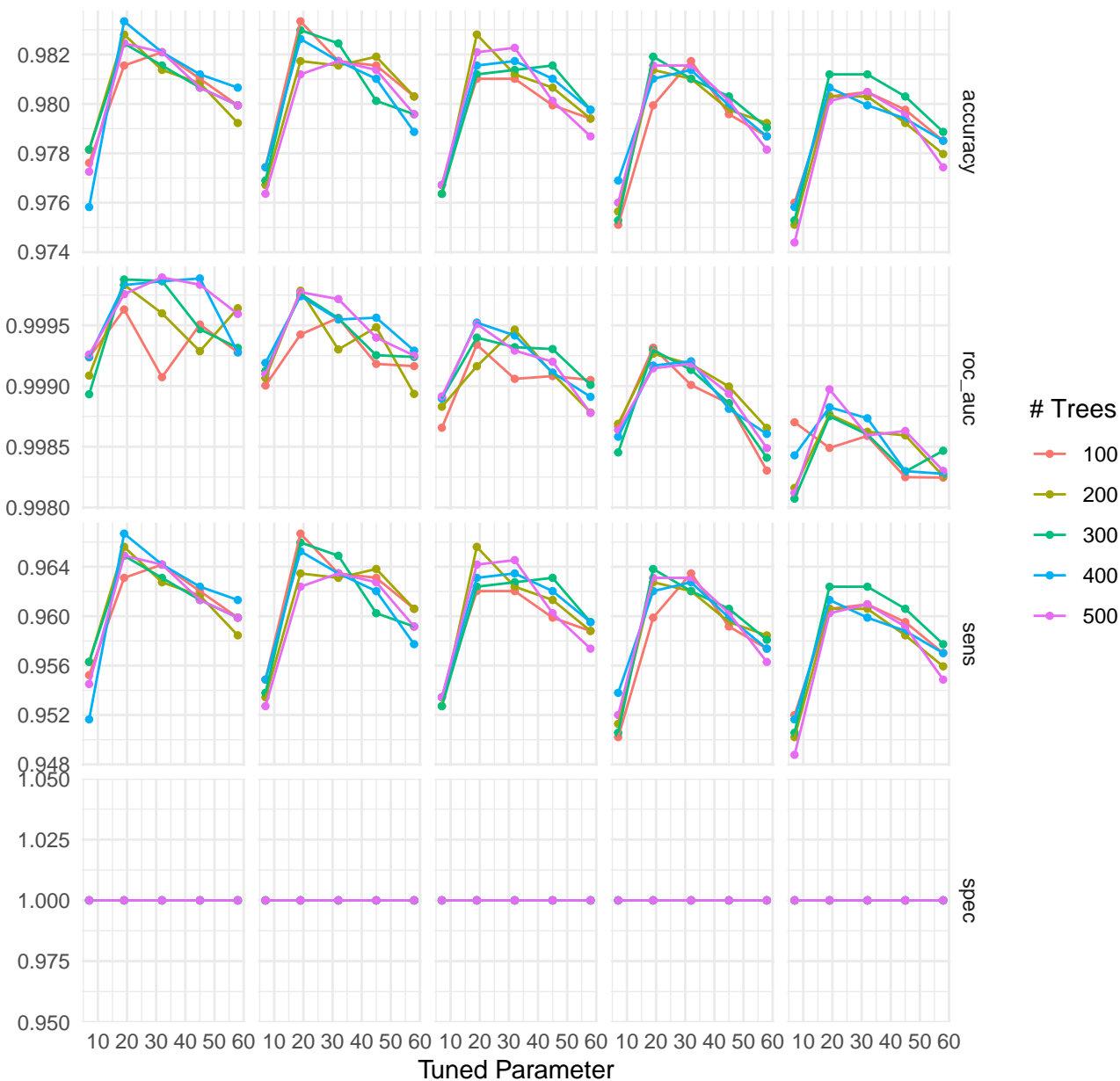


# Tuning Results for Random Forest

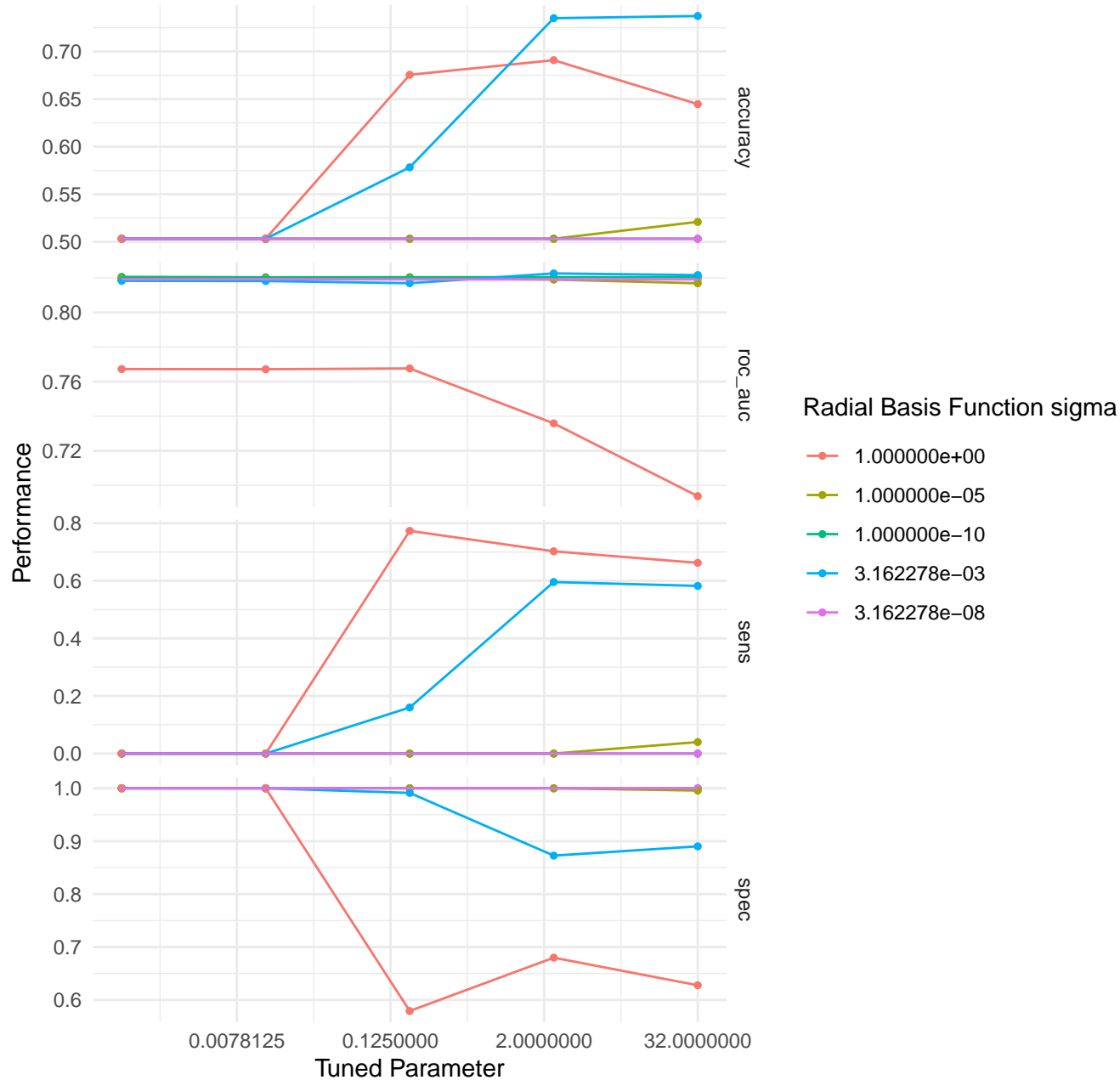


# Tuning Results for Random Forest

imal Node Size: iminal Node Size: iminal Node Size: iminal Node Size: nimal Node Size:



# Tuning Results for Support Vector Machine



Confusion Matrix for Support Vector Machine

Actual Class

0

752

17

1

457

70

0

1

Predicted Class

Freq

600

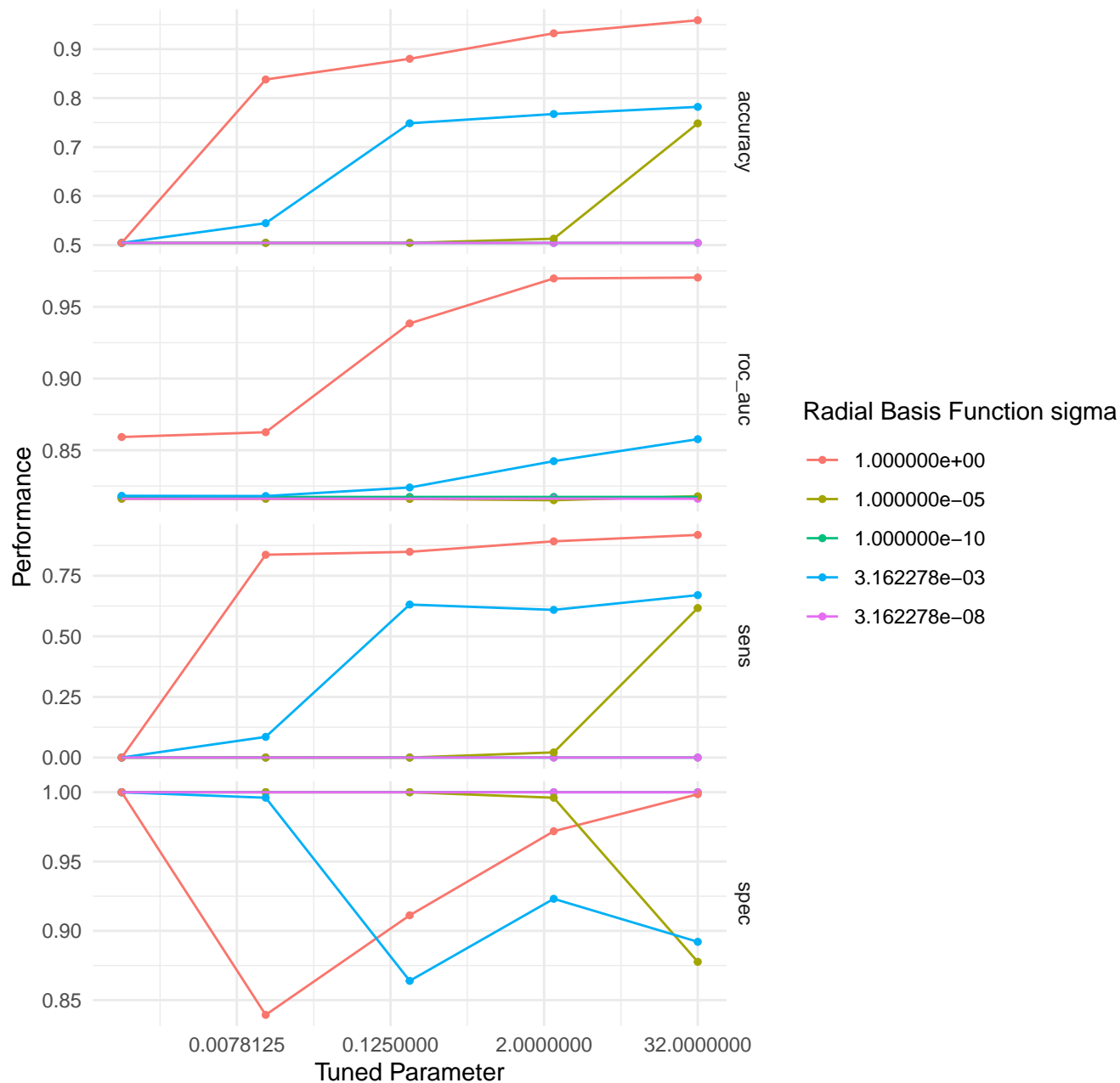
400

200





# Tuning Results for Support Vector Machine



Confusion Matrix for Support Vector Machine

Actual Class

0

1123

64

1

86

23

0

1

Predicted Class

Freq

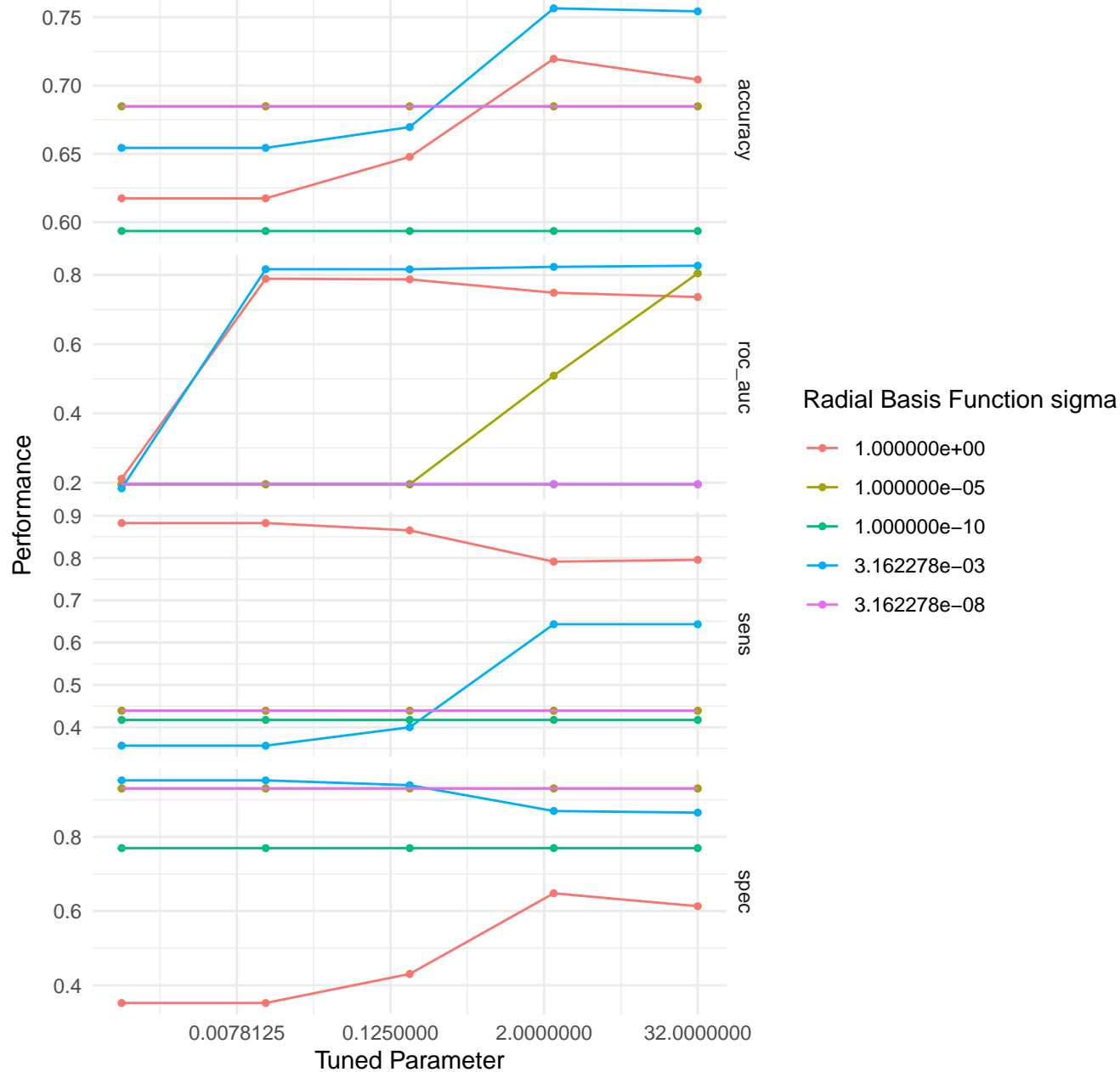
900

600

300



# Tuning Results for Support Vector Machine



Confusion Matrix for Support Vector Machine

Actual Class

0

804

13

1

405

74

0

1

Predicted Class

Freq

800

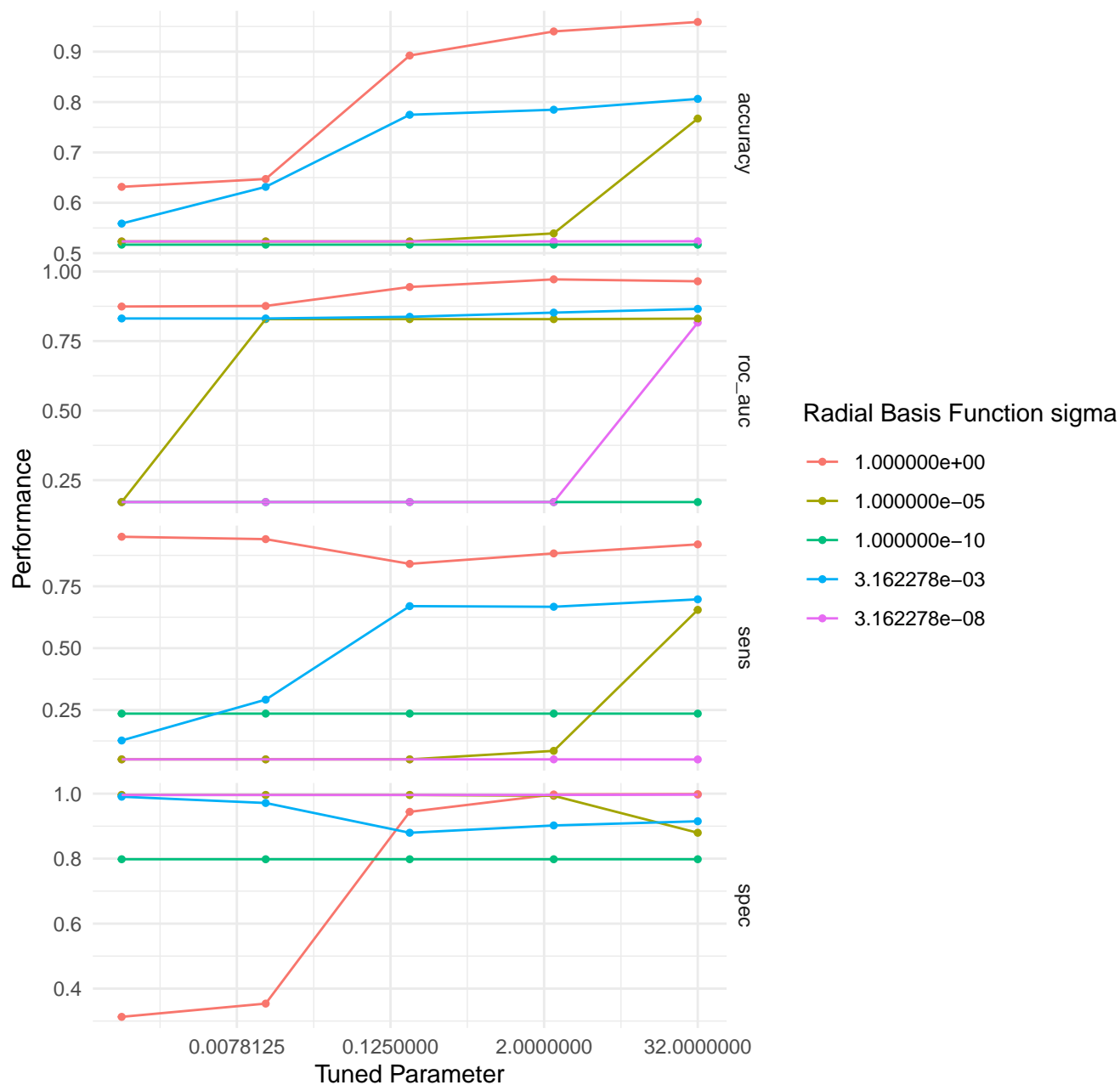
600

400

200



# Tuning Results for Support Vector Machine



Confusion Matrix for Support Vector Machine

Actual Class

0

1093

54

1

116

33

0

1

Predicted Class

Freq

1000

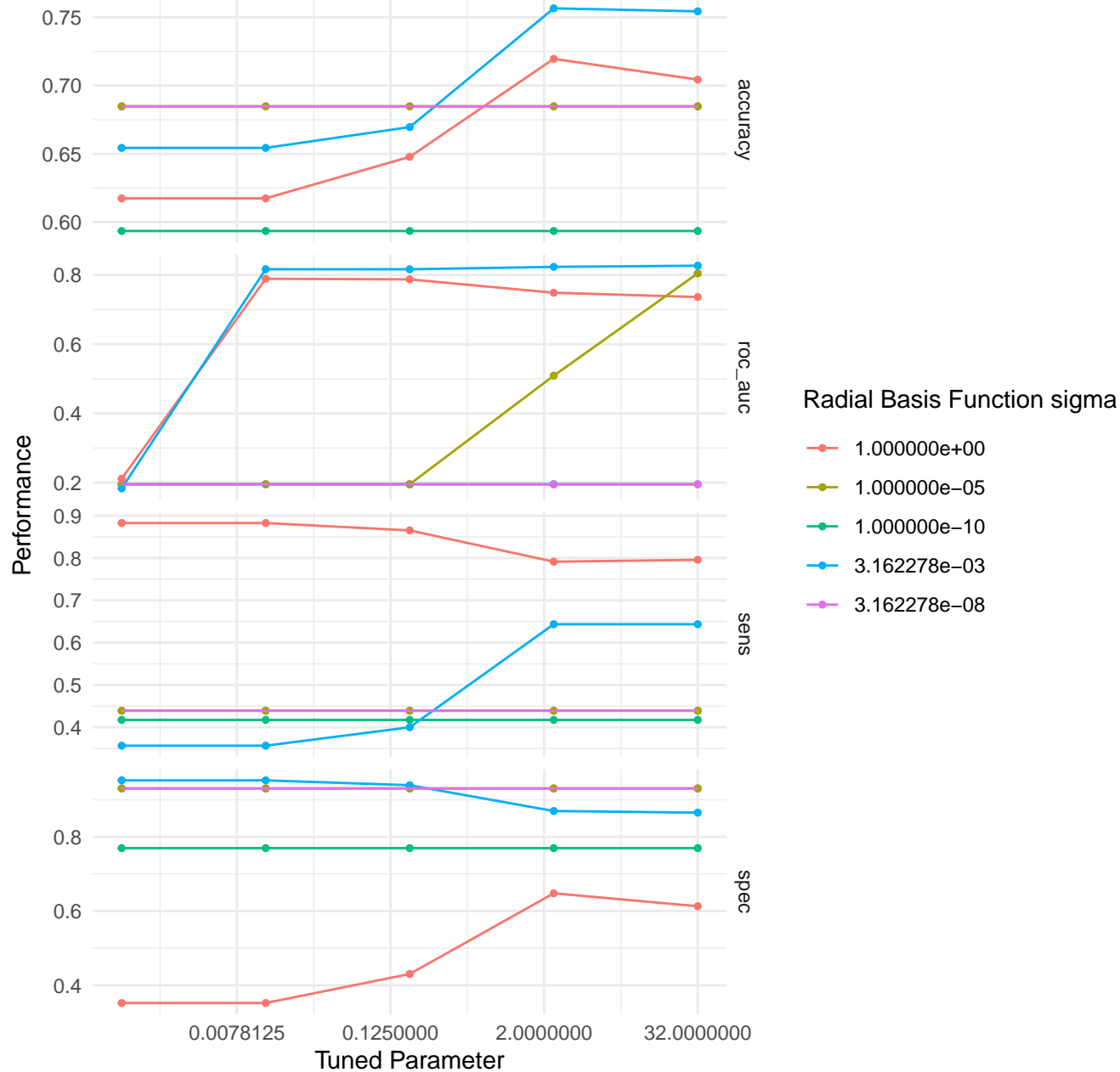
750

500

250



# Tuning Results for Support Vector Machine



Confusion Matrix for Support Vector Machine

Actual Class

0

804

13

1

405

74

0

1

Predicted Class

Freq

800

600

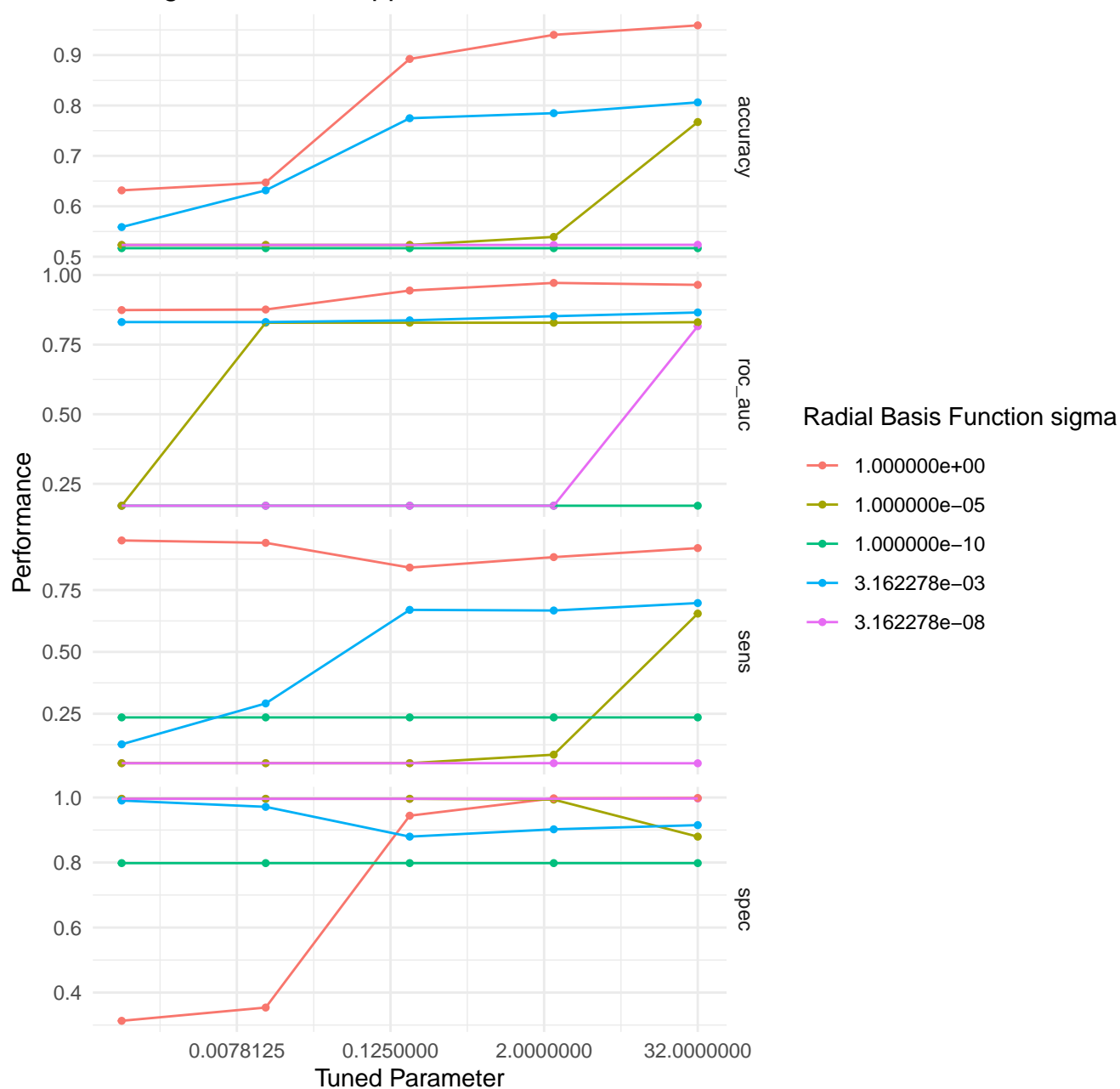
400

200





# Tuning Results for Support Vector Machine



Confusion Matrix for Support Vector Machine

Actual Class

0

1093

54

1

116

33

0

1

Predicted Class

Freq

1000

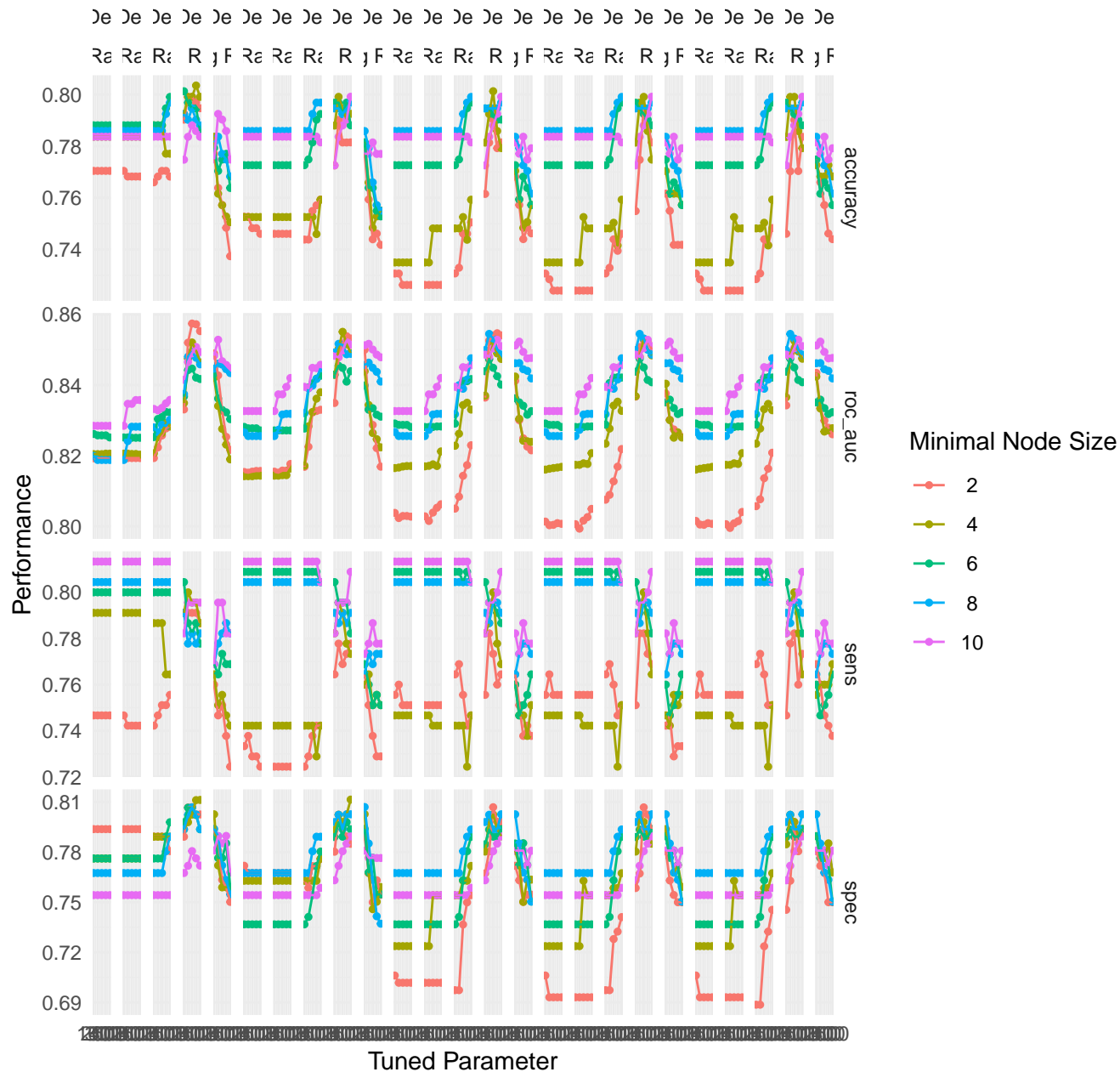
750

500

250



## Tuning Results for Gradient Boosting



Confusion Matrix for Gradient Boosting

Actual Class

0

951

26

1

258

61

0

1

Predicted Class

Freq

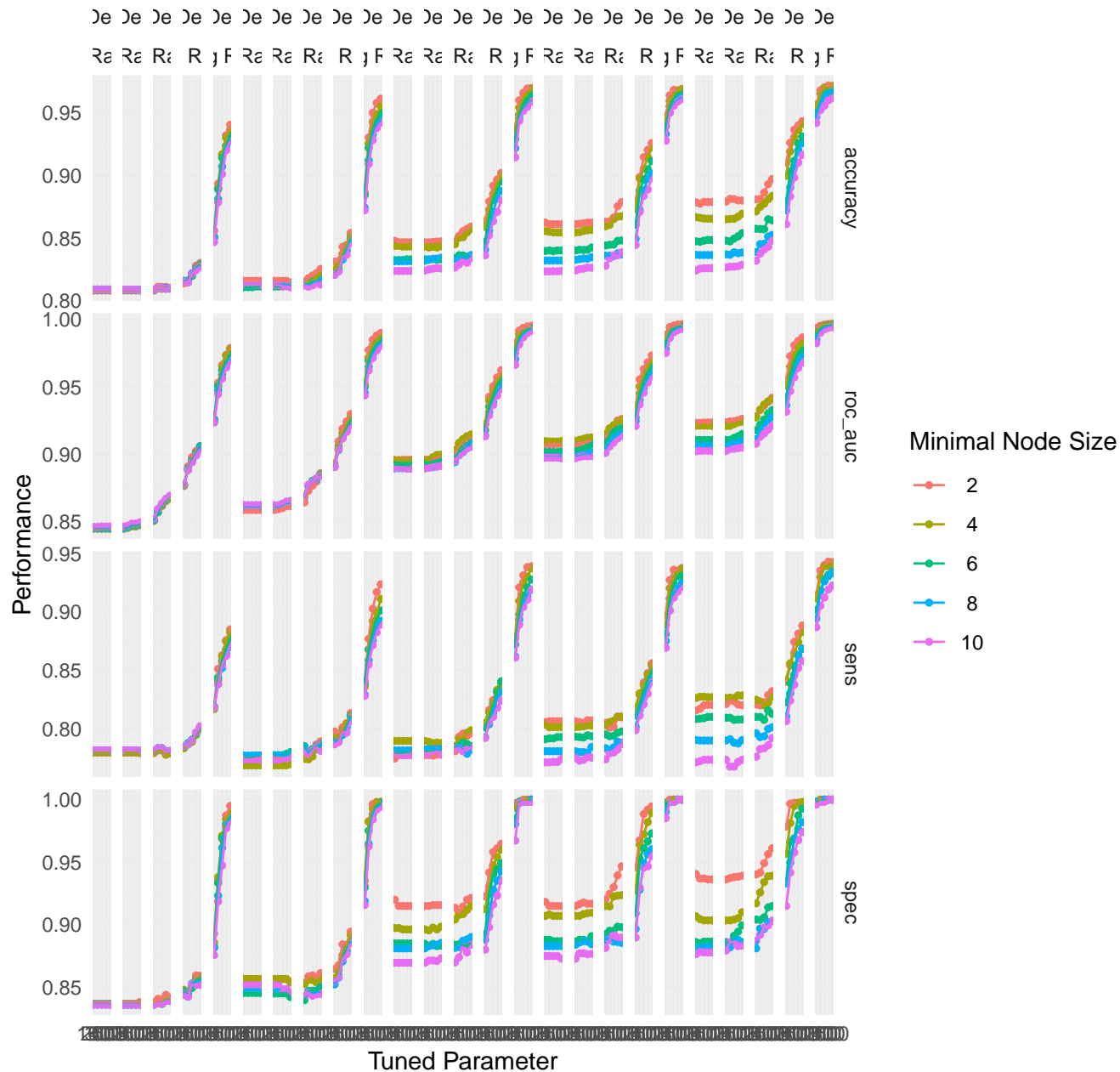
750

500

250



# Tuning Results for Gradient Boosting



Confusion Matrix for Gradient Boosting

Actual Class

0

1158

54

1

51

33

0

1

Predicted Class

Freq

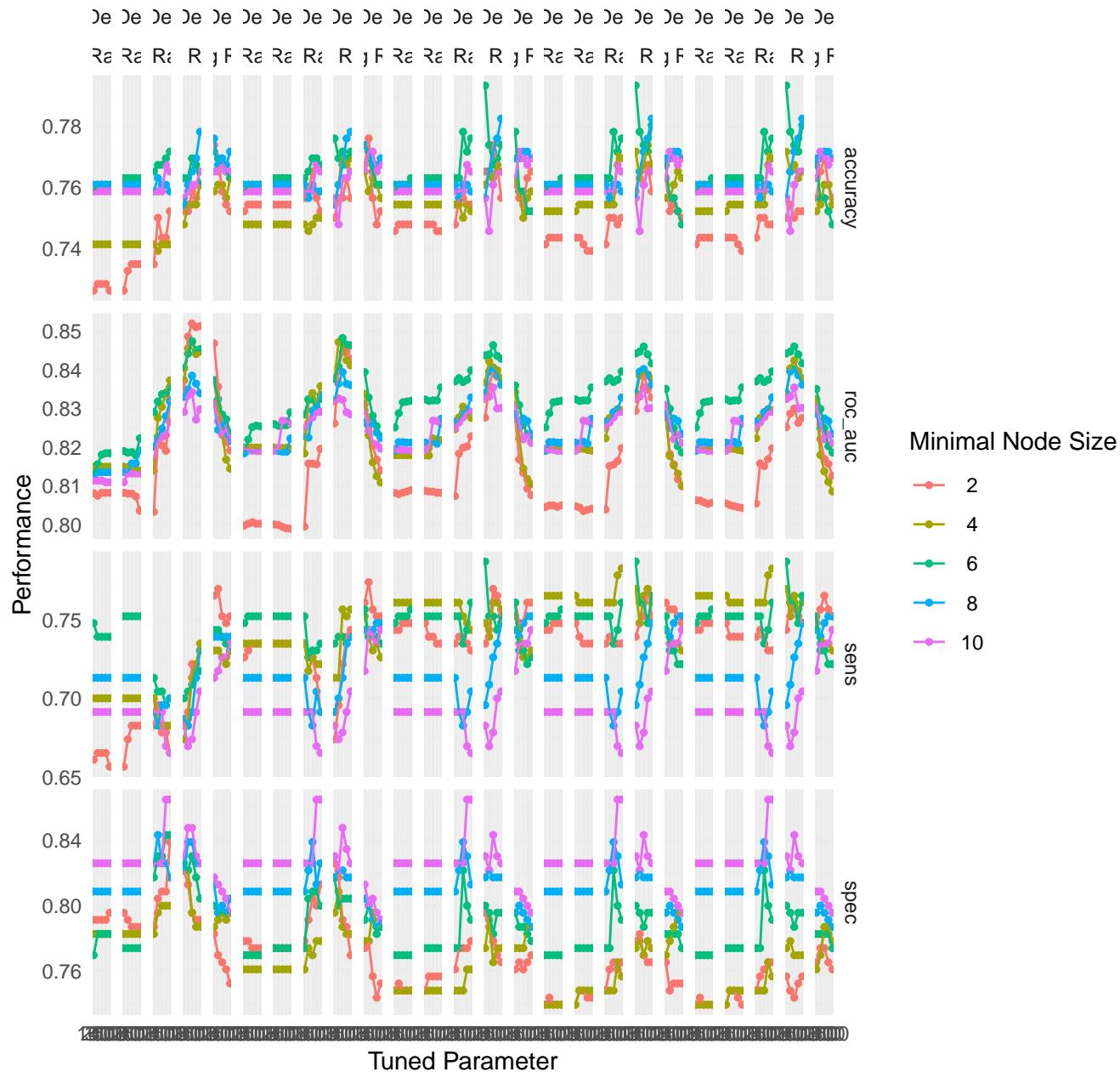
900

600

300



# Tuning Results for Gradient Boosting



Confusion Matrix for Gradient Boosting

Actual Class

0

884

17

1

325

70

0

1

Predicted Class

Freq

800

600

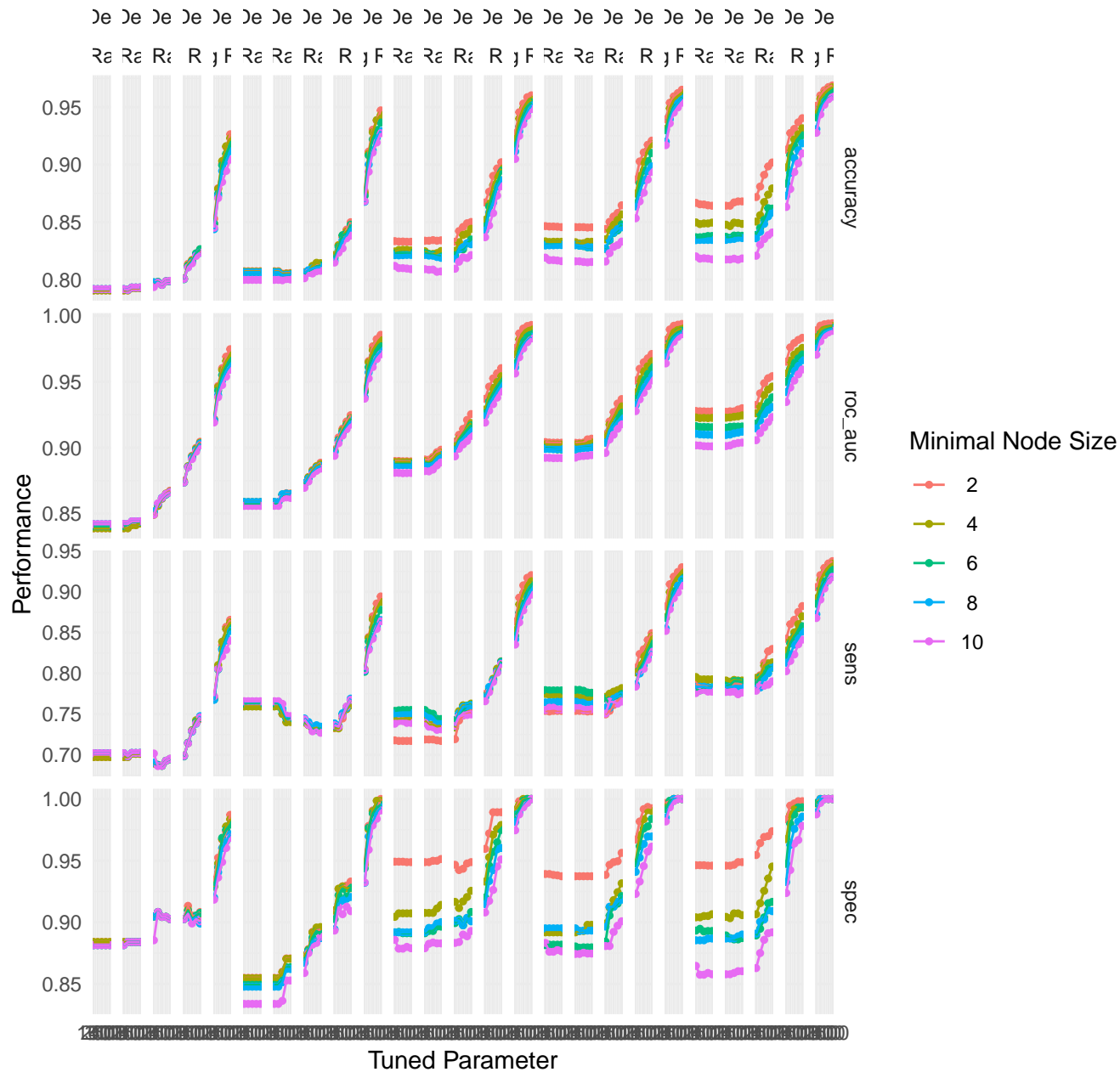
400

200





# Tuning Results for Gradient Boosting



Confusion Matrix for Gradient Boosting

Actual Class

0

1160

53

1

49

34

0

1

Predicted Class

Freq

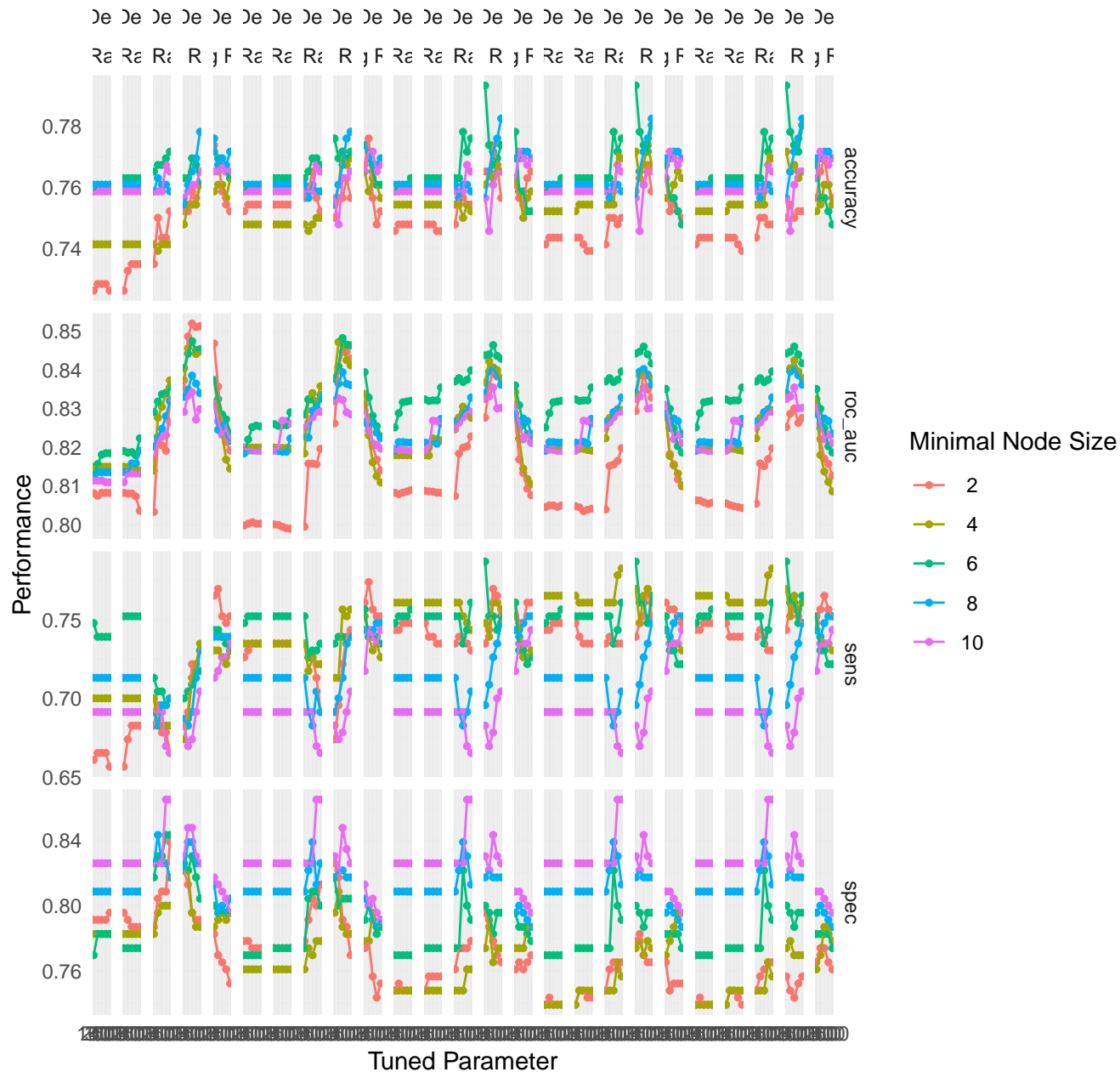
900

600

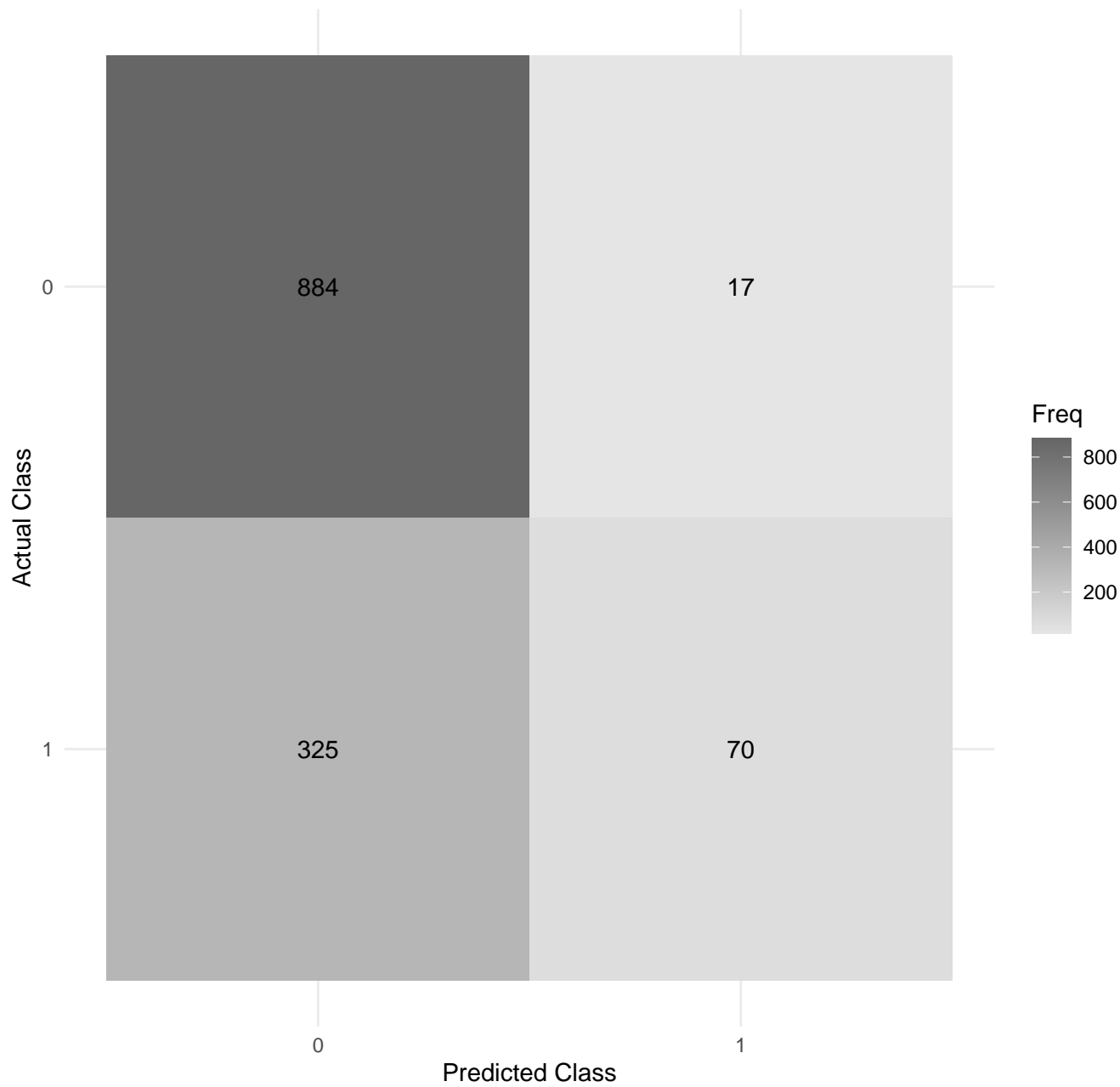
300



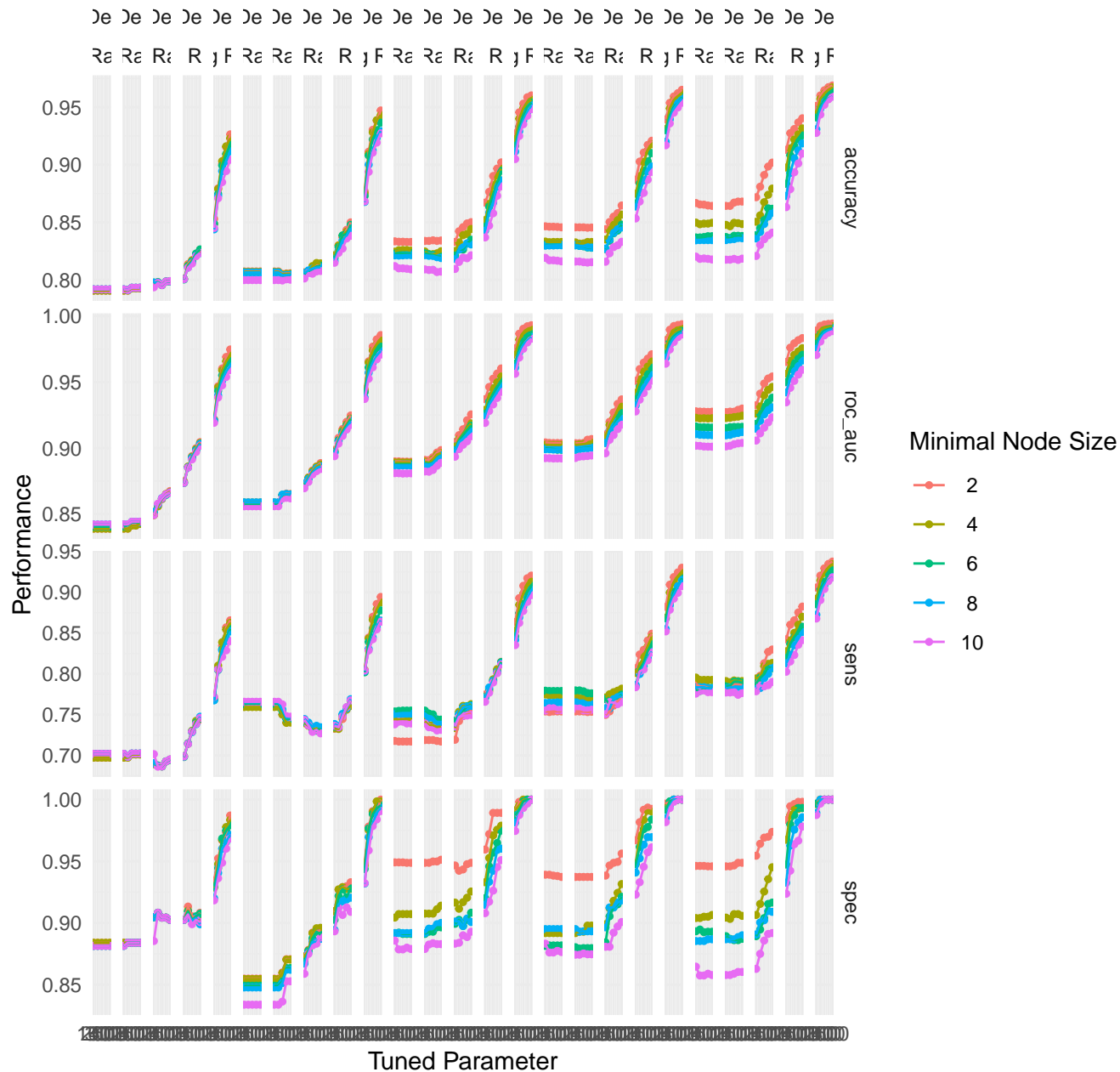
# Tuning Results for Gradient Boosting



Confusion Matrix for Gradient Boosting



# Tuning Results for Gradient Boosting



Confusion Matrix for Gradient Boosting

Actual Class

0

1160

53

1

49

34

0

1

Predicted Class

Freq

900

600

300

