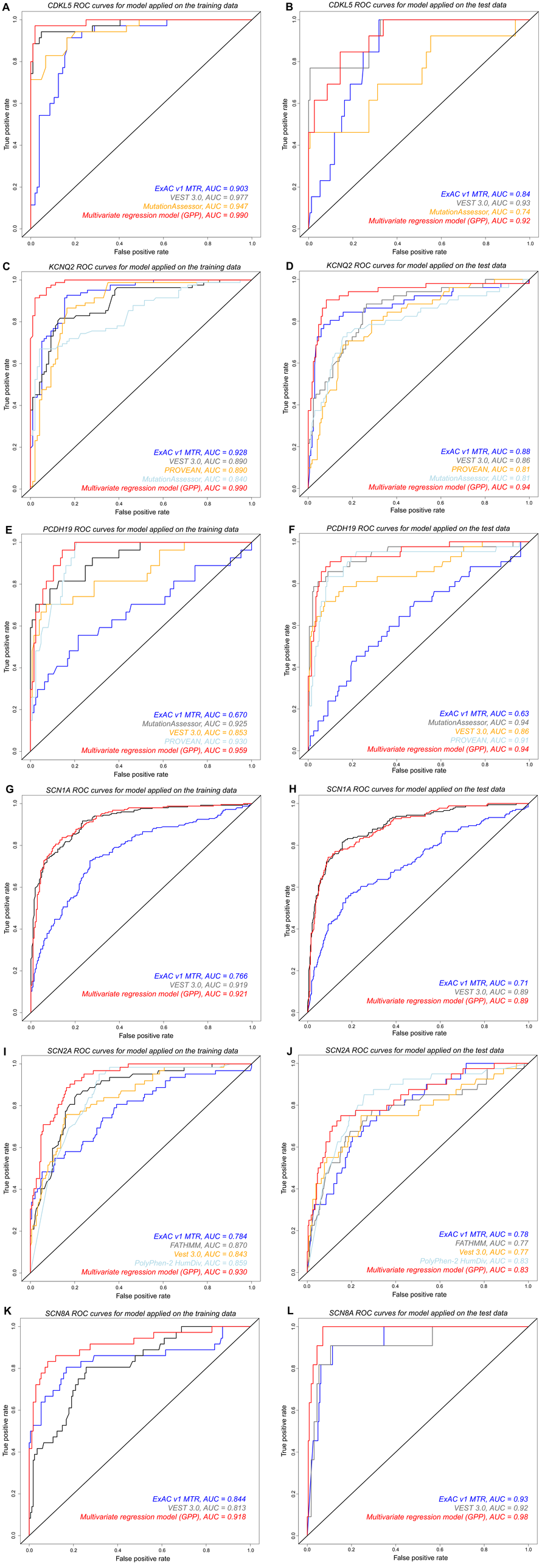
A
CDKL5 ROC curves for model applied on the training data
ExAC v1 MTR, AUC = 0.903
VEST 3.0, AUC = 0.977
MutationAssessor, AUC = 0.947
Multivariate regression model (GPP), AUC = 0.990
B
CDKL5 ROC curves for model applied on the test data
ExAC v1 MTR, AUC = 0.84
VEST 3.0, AUC = 0.93
MutationAssessor, AUC = 0.74
Multivariate regression model (GPP), AUC = 0.92
C
KCNQ2 ROC curves for model applied on the training data
ExAC v1 MTR, AUC = 0.928
VEST 3.0, AUC = 0.890
PROVEAN, AUC = 0.890
MutationAssessor, AUC = 0.840
Multivariate regression model (GPP), AUC = 0.990
D
KCNQ2 ROC curves for model applied on the test data
ExAC v1 MTR, AUC = 0.88
VEST 3.0, AUC = 0.86
PROVEAN, AUC = 0.81
MutationAssessor, AUC = 0.81
Multivariate regression model (GPP), AUC = 0.94
E
PCDH19 ROC curves for model applied on the training data
ExAC v1 MTR, AUC = 0.670
MutationAssessor, AUC = 0.925
VEST 3.0, AUC = 0.853
PROVEAN, AUC = 0.930
Multivariate regression model (GPP), AUC = 0.959
F
PCDH19 ROC curves for model applied on the test data
ExAC v1 MTR, AUC = 0.63
MutationAssessor, AUC = 0.94
VEST 3.0, AUC = 0.86
PROVEAN, AUC = 0.91
Multivariate regression model (GPP), AUC = 0.94
G
SCN1A ROC curves for model applied on the training data
ExAC v1 MTR, AUC = 0.766
VEST 3.0, AUC = 0.919
Multivariate regression model (GPP), AUC = 0.921
H
SCN1A ROC curves for model applied on the test data
ExAC v1 MTR, AUC = 0.71
VEST 3.0, AUC = 0.89
Multivariate regression model (GPP), AUC = 0.89
I
SCN2A ROC curves for model applied on the training data
ExAC v1 MTR, AUC = 0.784
FATHMM, AUC = 0.870
Vest 3.0, AUC = 0.843
PolyPhen-2 HumDiv, AUC = 0.859
Multivariate regression model (GPP), AUC = 0.930
J
SCN2A ROC curves for model applied on the test data
ExAC v1 MTR, AUC = 0.78
FATHMM, AUC = 0.77
Vest 3.0, AUC = 0.77
PolyPhen-2 HumDiv, AUC = 0.83
Multivariate regression model (GPP), AUC = 0.83
K
SCN8A ROC curves for model applied on the training data
ExAC v1 MTR, AUC = 0.844
VEST 3.0, AUC = 0.813
Multivariate regression model (GPP), AUC = 0.918
L
SCN8A ROC curves for model applied on the test data
ExAC v1 MTR, AUC = 0.93
VEST 3.0, AUC = 0.92
Multivariate regression model (GPP), AUC = 0.98
True positive rate
False positive rate