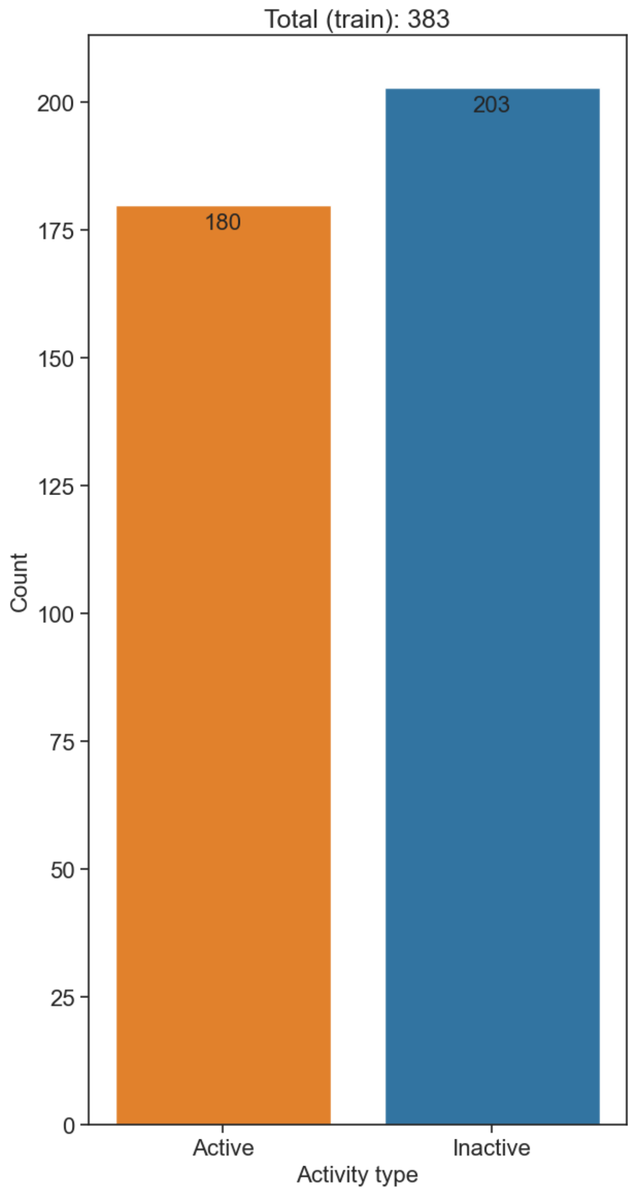
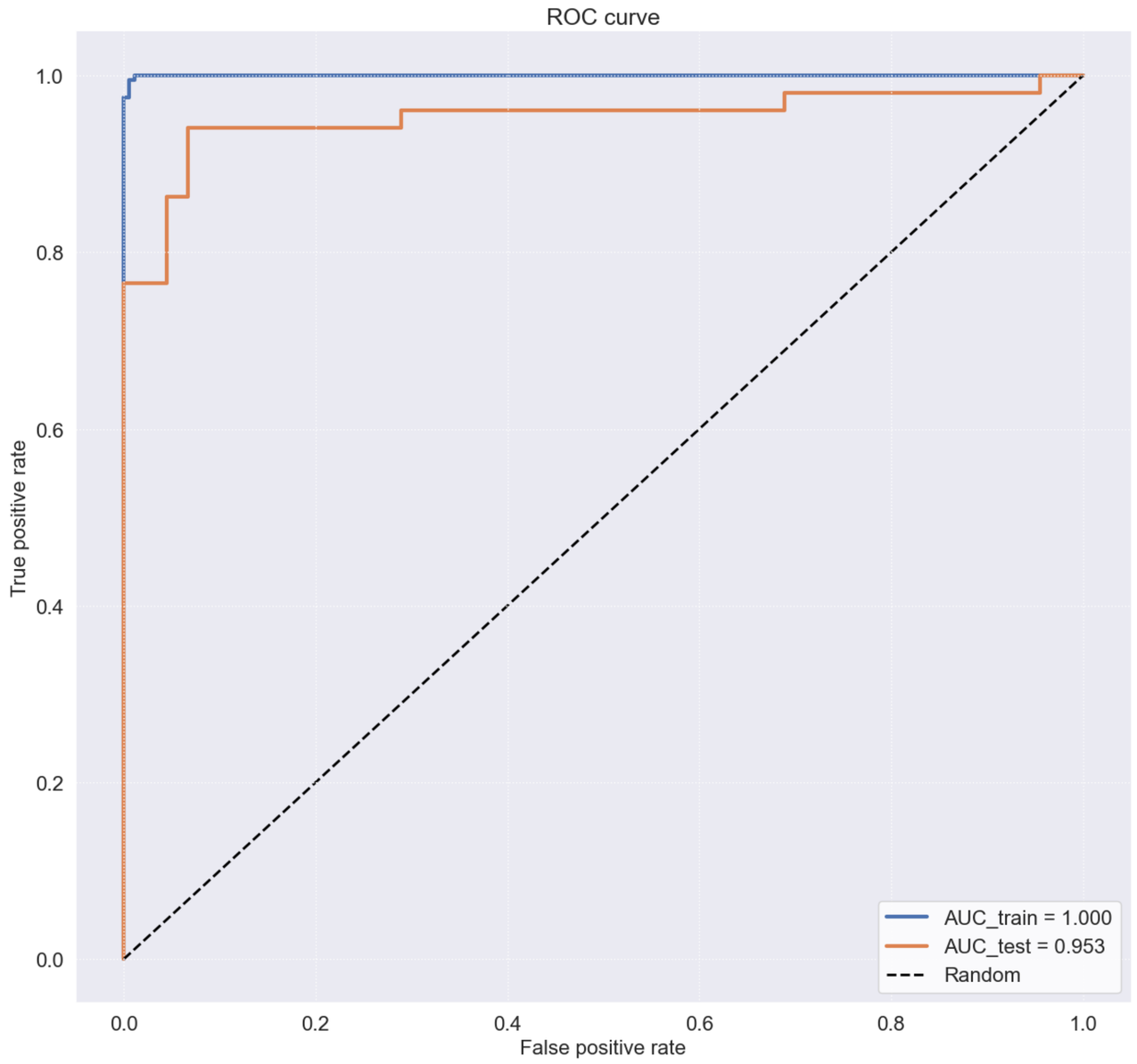
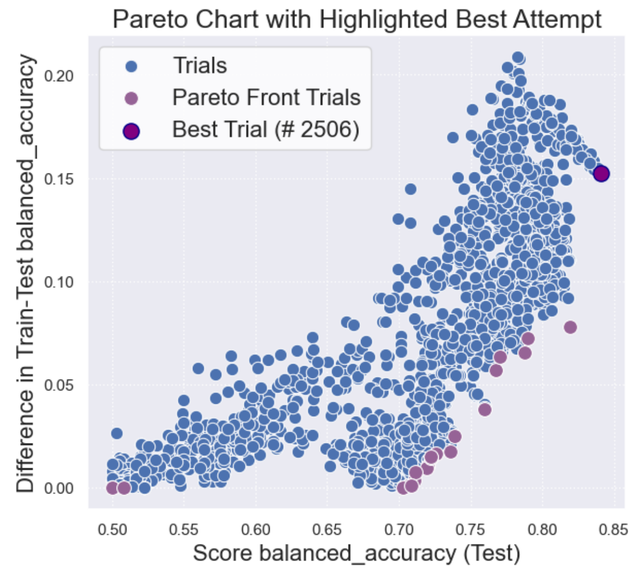
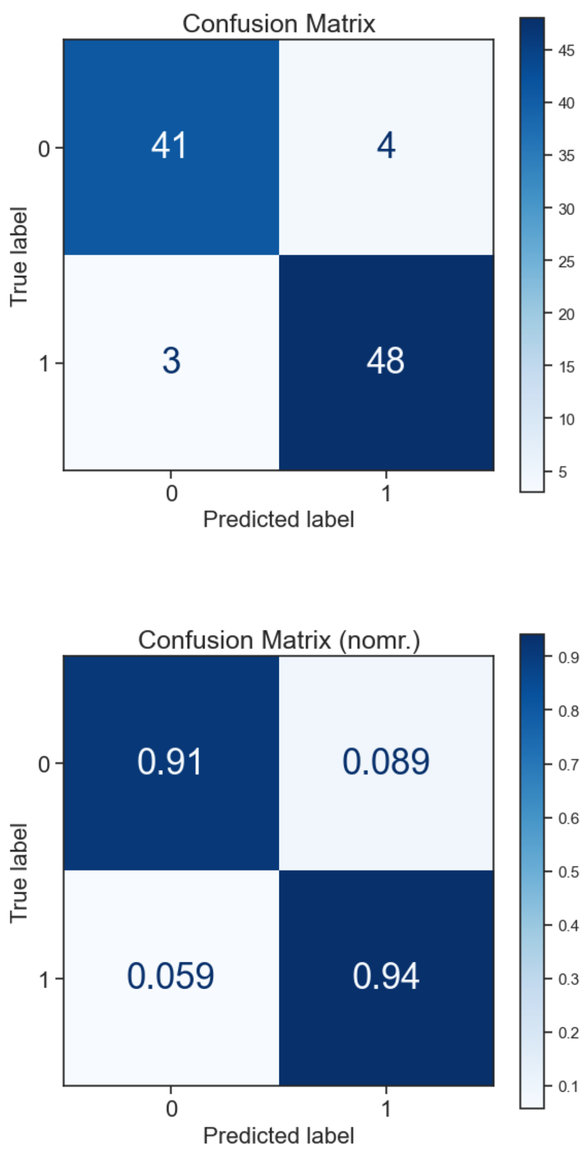
Protein: Q14524 - metric: balanced_accuracy

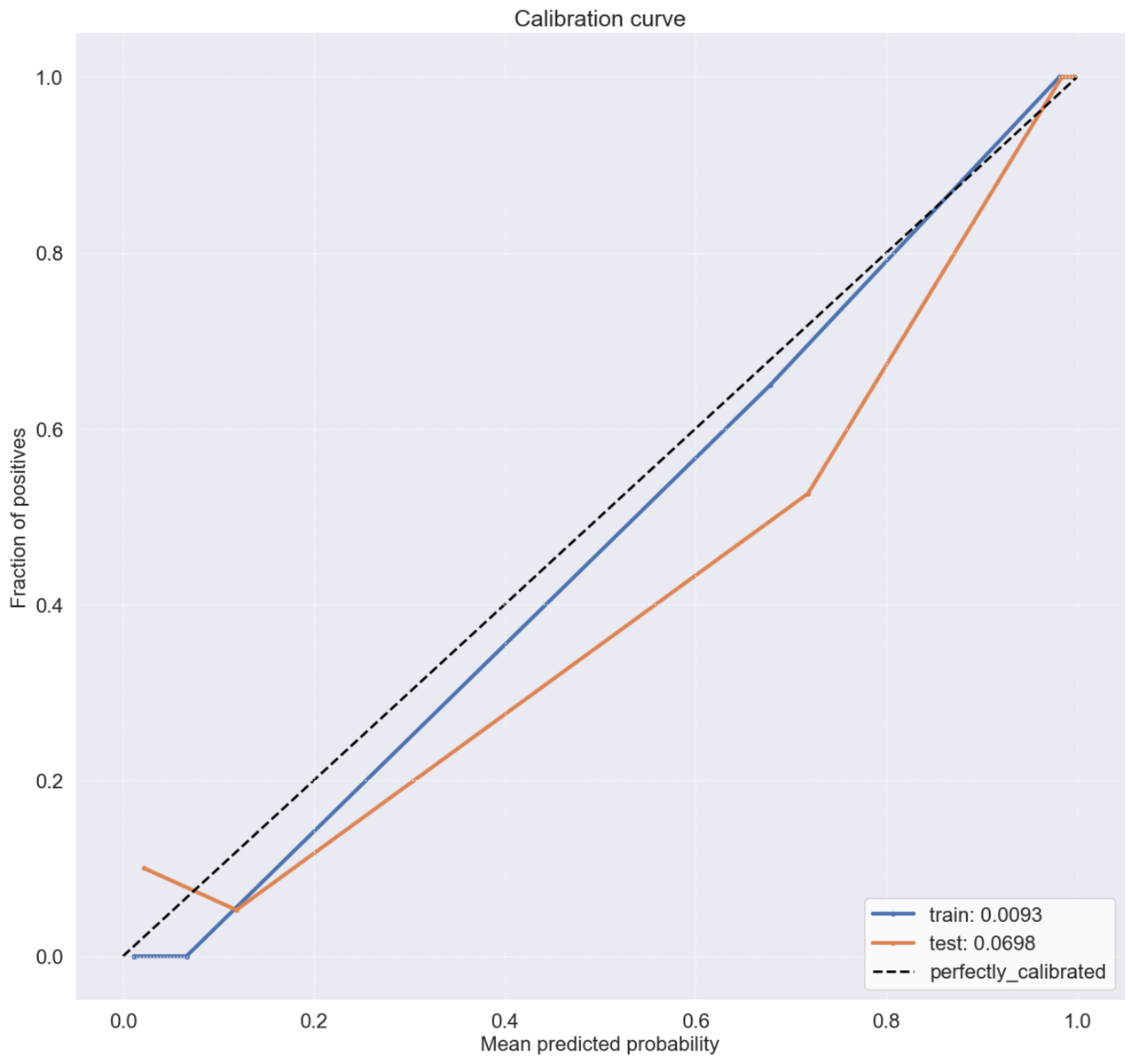


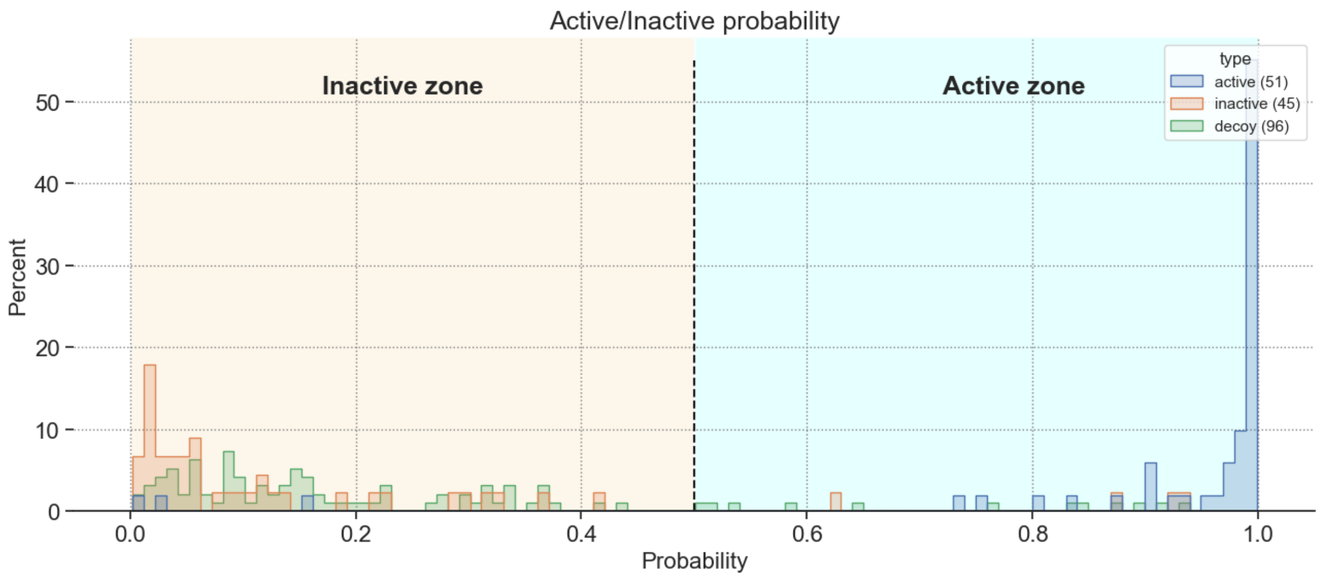




XGBoost Parameters	Value
alpha	0.1365
colsample_bytree	0.746
gamma	0.0813
lambda	2.6206
learning_rate	0.038
max_depth	7.0
min_child_weight	2.0
n_estimators	457.0
reg_alpha	0.1509
reg_lambda	0.234
scale_pos_weight	1.994
subsample	0.9118

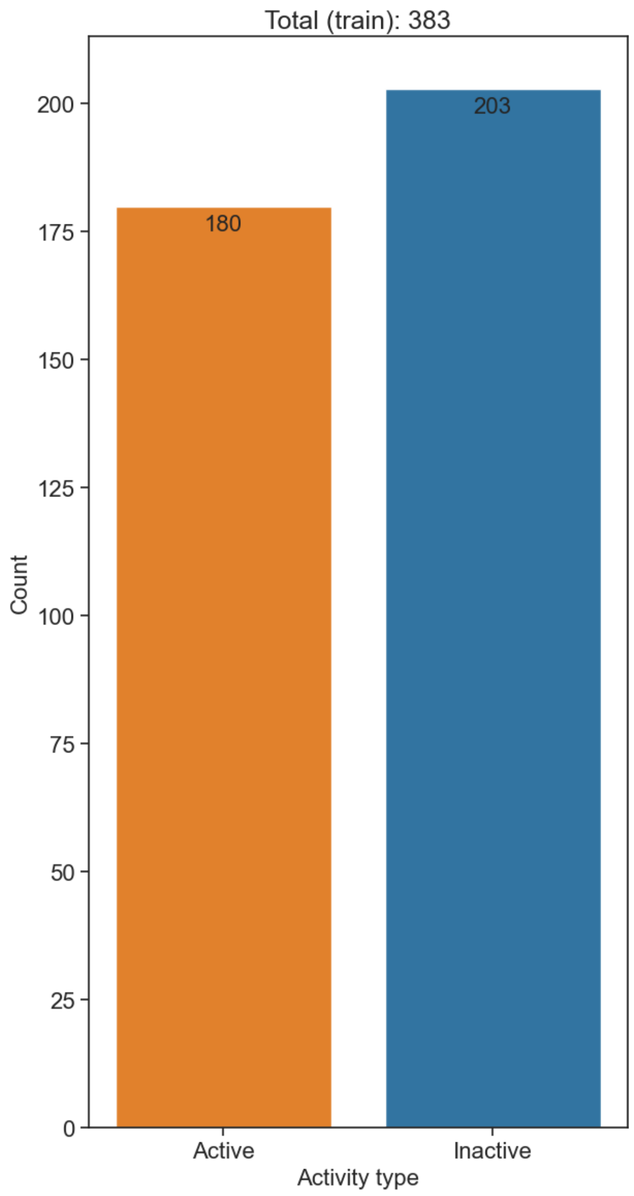


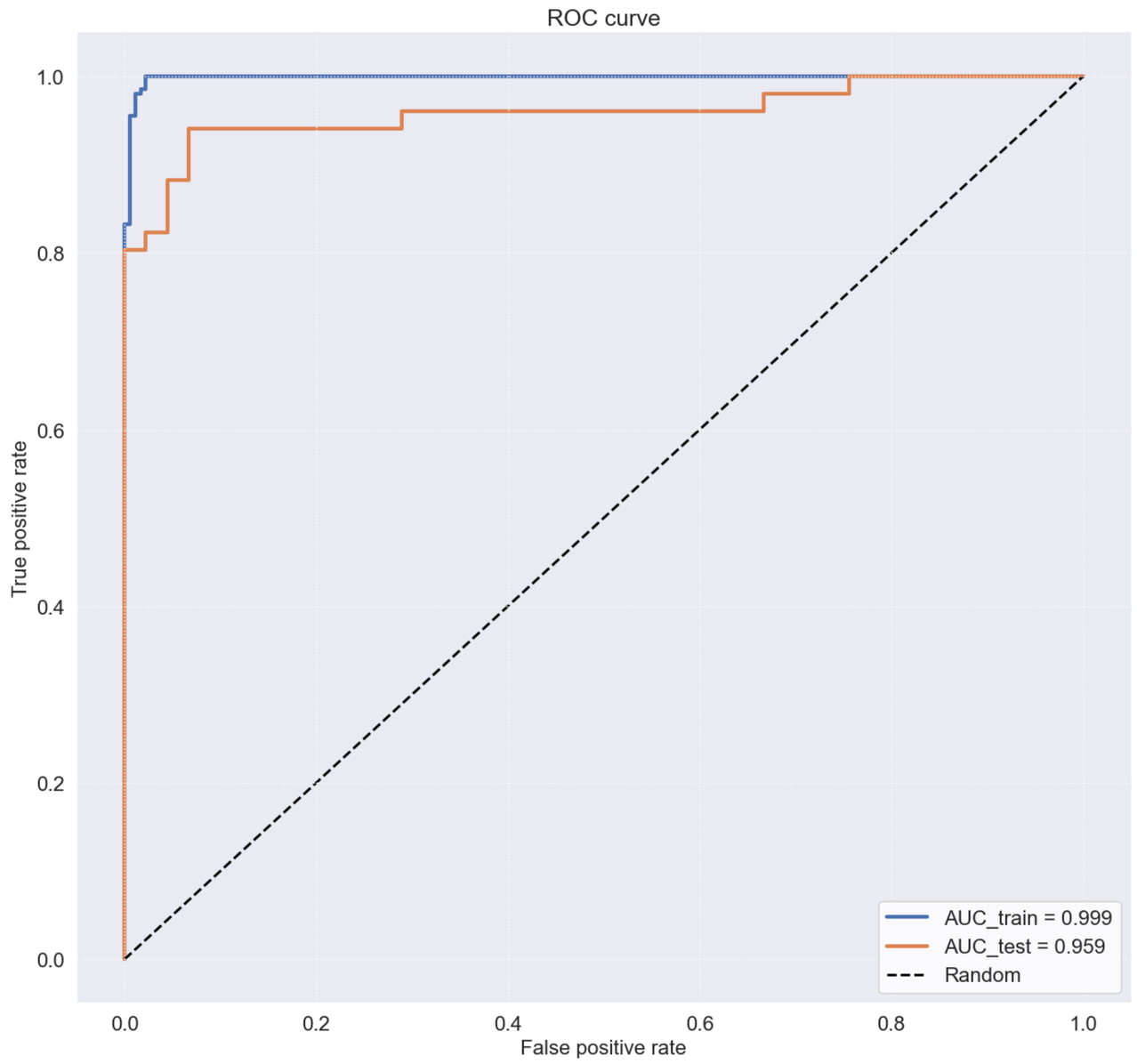


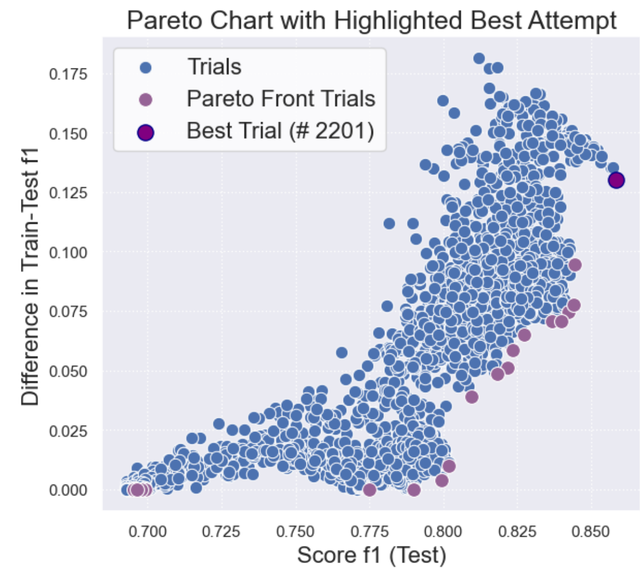


Metric	Train	Test
AUC	0.9998	0.9525
accuracy	0.9922	0.9271
balanced accuracy	0.9917	0.9261
recall_(sens)	1.0	0.9412
specificity	0.9833	0.9111
precision	0.9854	0.9231
f1_score	0.9922	0.927

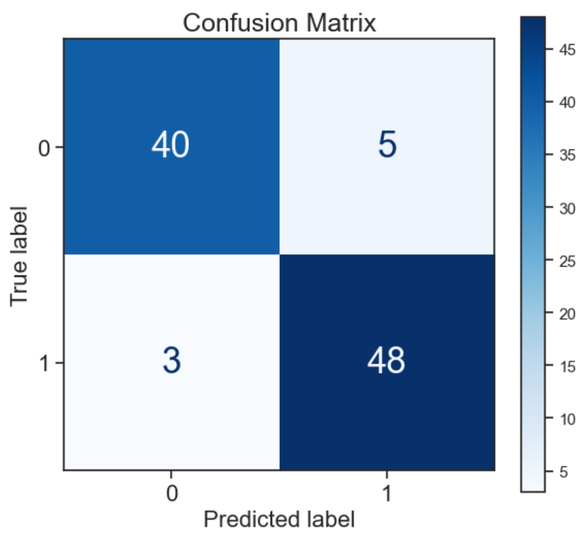
Protein: Q14524 - metric: f1

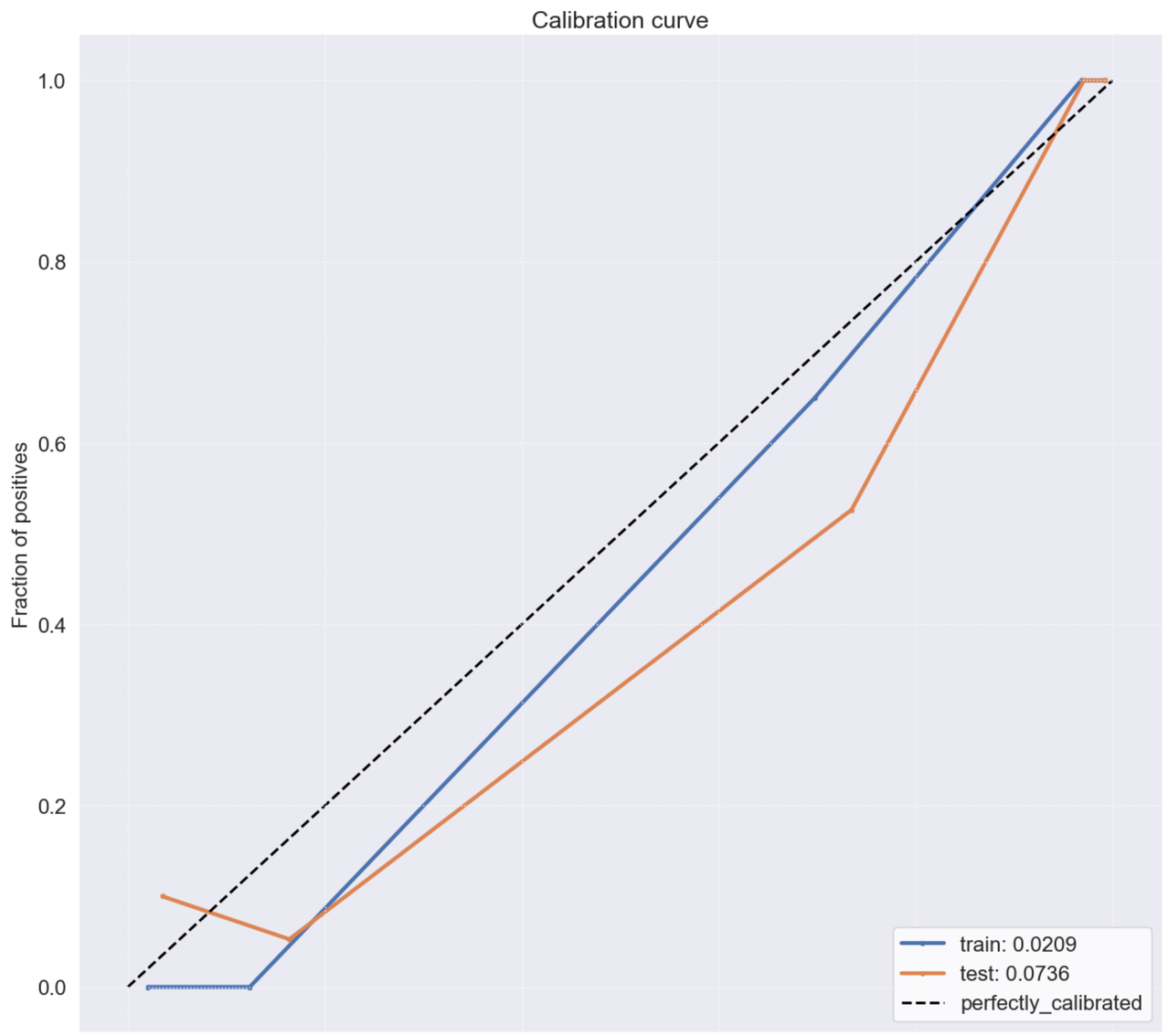


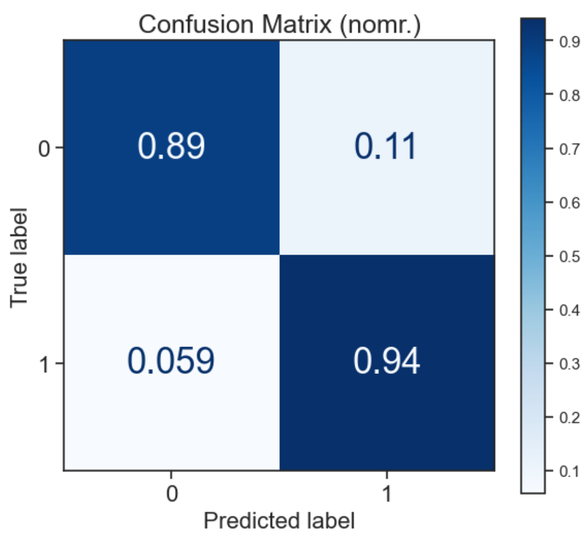


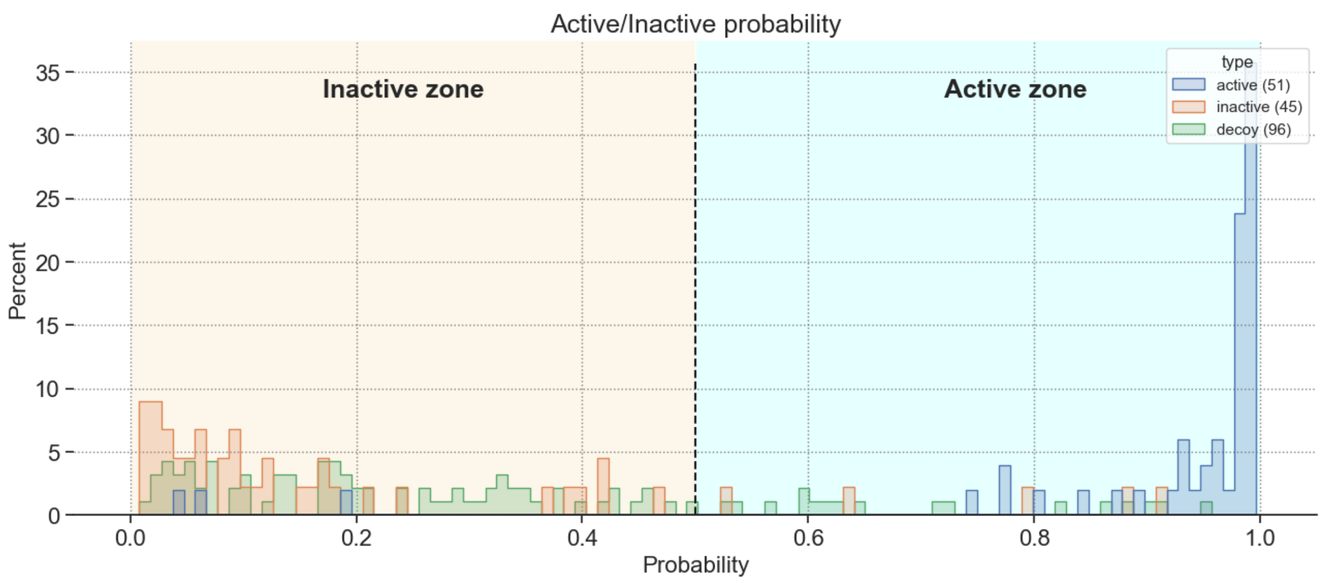


XGBoost Parameters	Value
alpha	2.0824
colsample_bytree	0.7352
gamma	0.8581
lambda	0.8554
learning_rate	0.1441
max_depth	10.0
min_child_weight	2.0
n_estimators	506.0
reg_alpha	0.2308
reg_lambda	0.5568
scale_pos_weight	2.0814
subsample	0.801



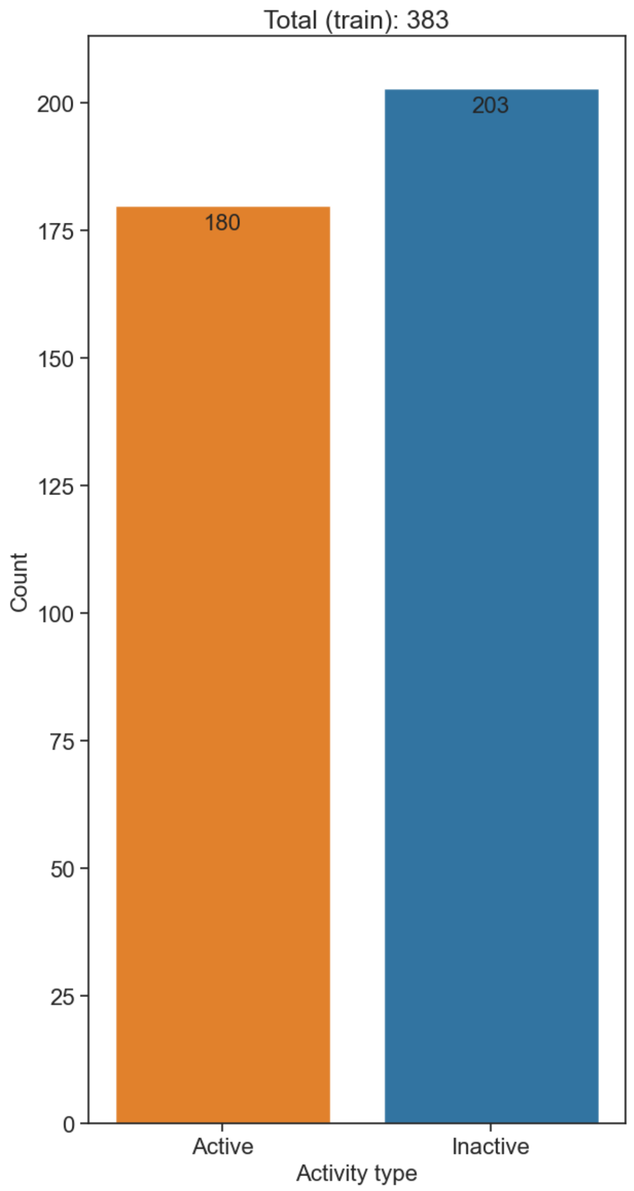


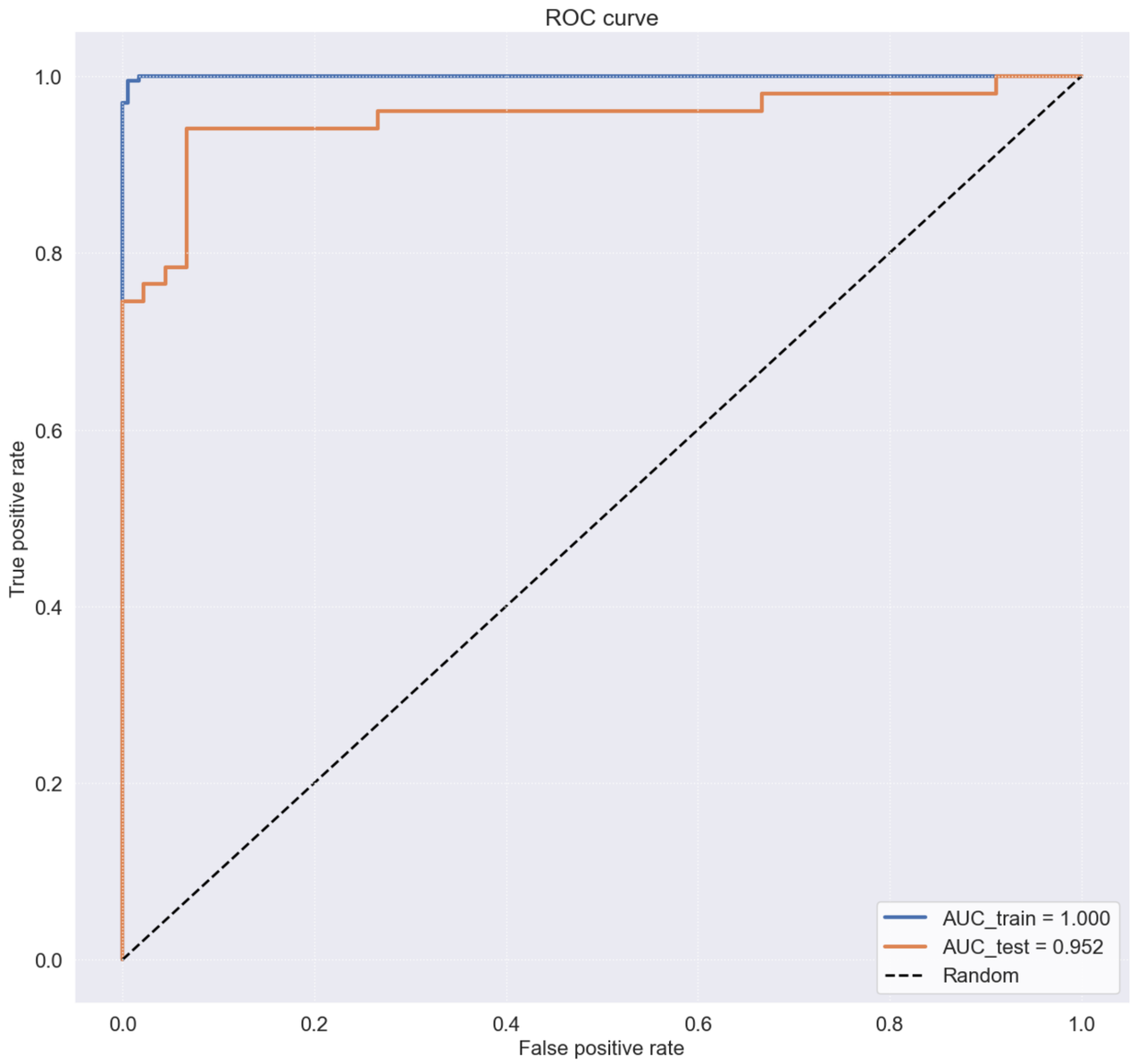


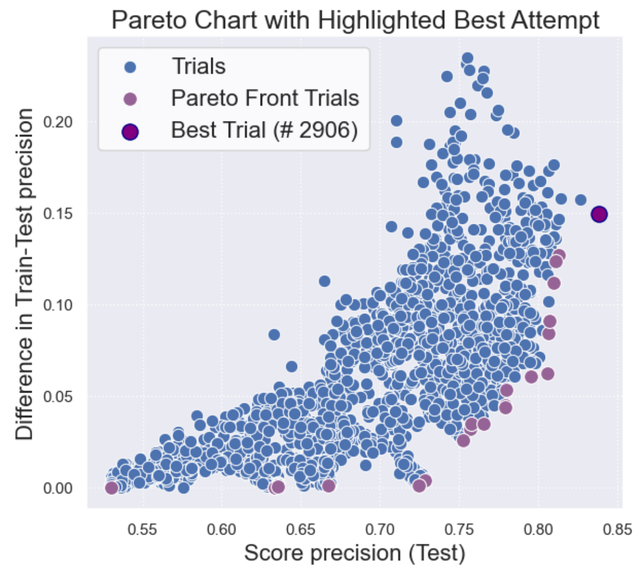


Metric	Train	Test
AUC	0.9986	0.9595
accuracy	0.9896	0.9167
balanced accuracy	0.9889	0.915
recall_(sens)	1.0	0.9412
specificity	0.9778	0.8889
precision	0.9807	0.9057
f1_score	0.9895	0.9165

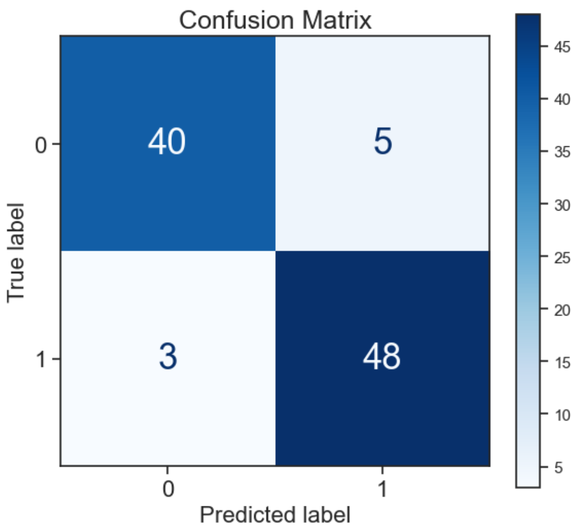
Protein: Q14524 - metric: precision

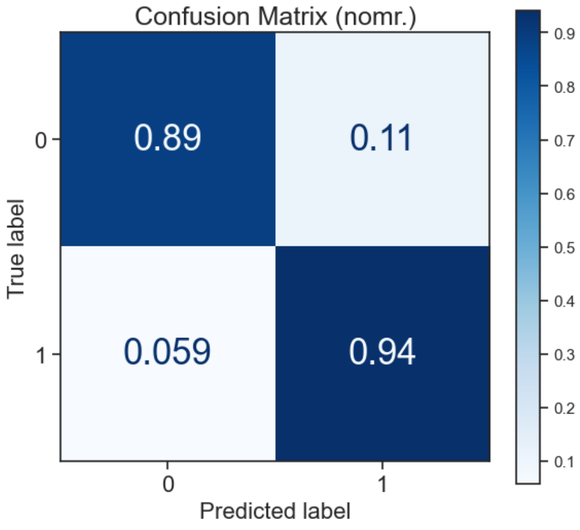


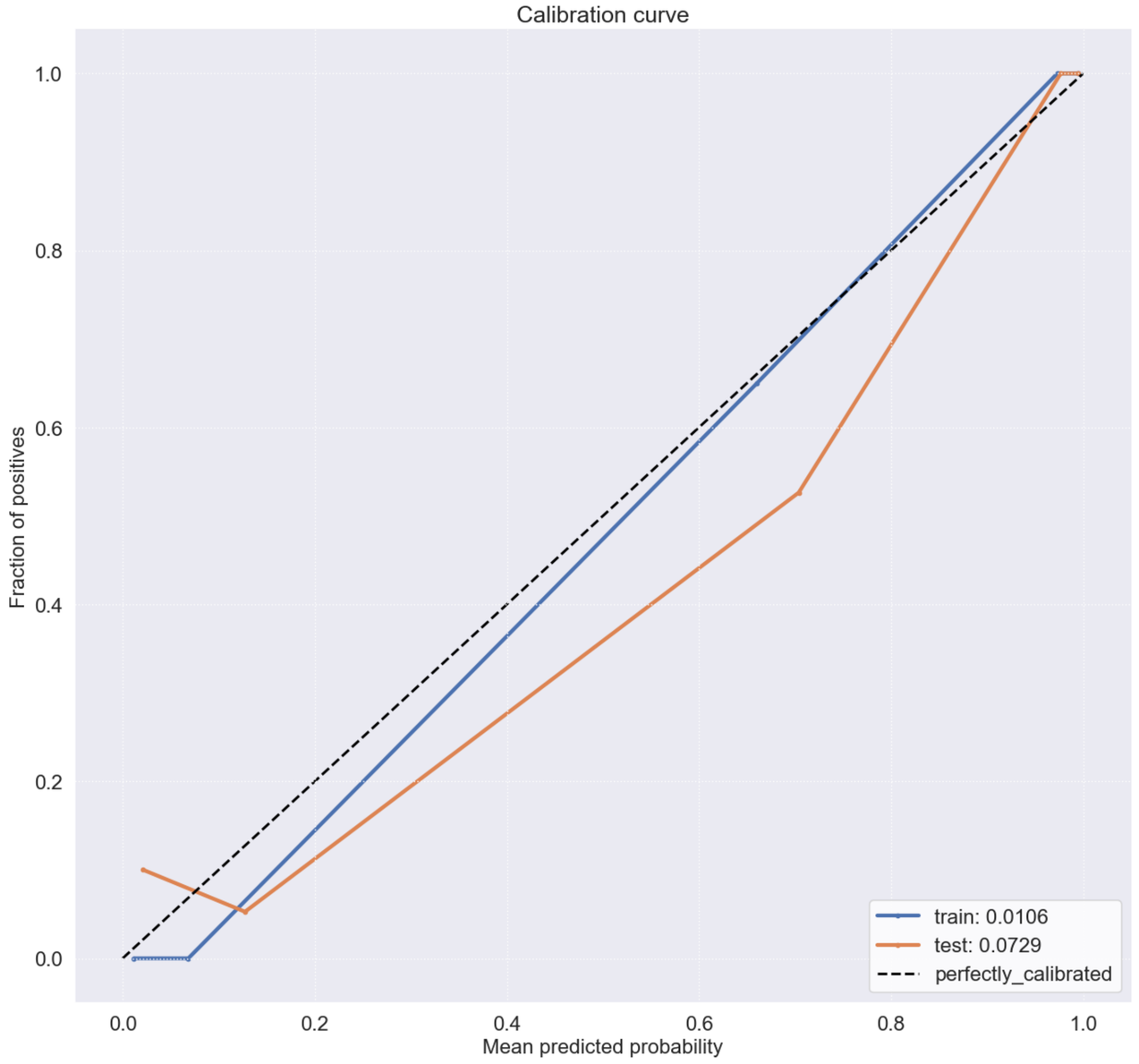


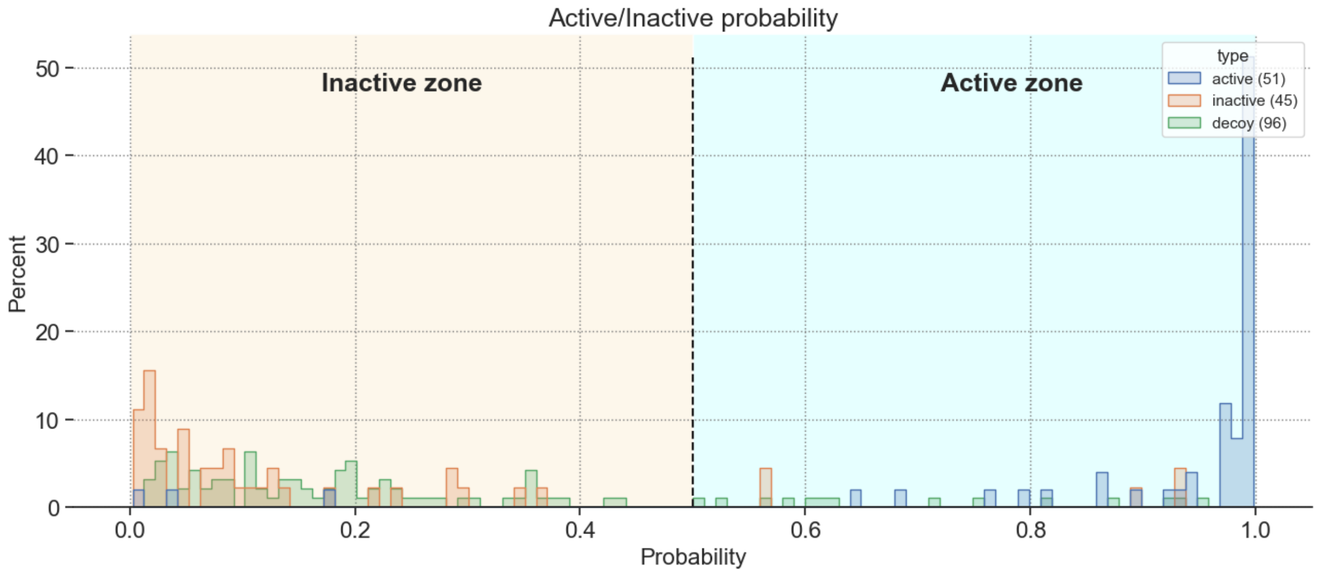


XGBoost Parameters	Value
alpha	0.4901
colsample_bytree	0.9064
gamma	0.5659
lambda	2.8064
learning_rate	0.0621
max_depth	7.0
min_child_weight	1.0
n_estimators	844.0
reg_alpha	0.0671
reg_lambda	0.7017
scale_pos_weight	1.5631
subsample	0.7889



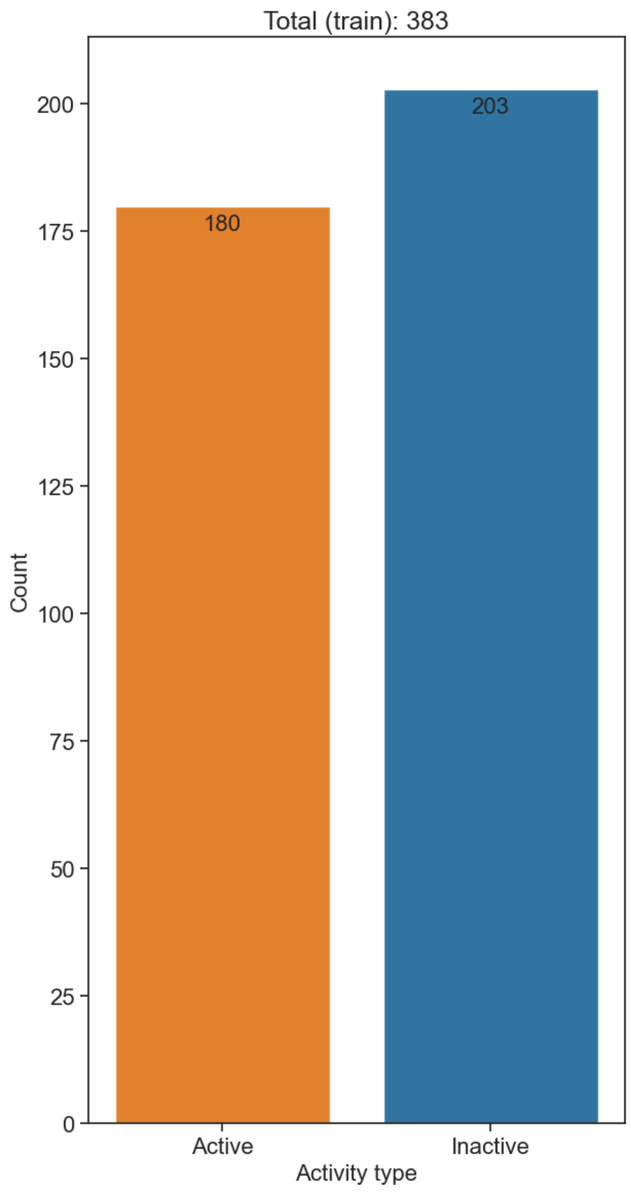


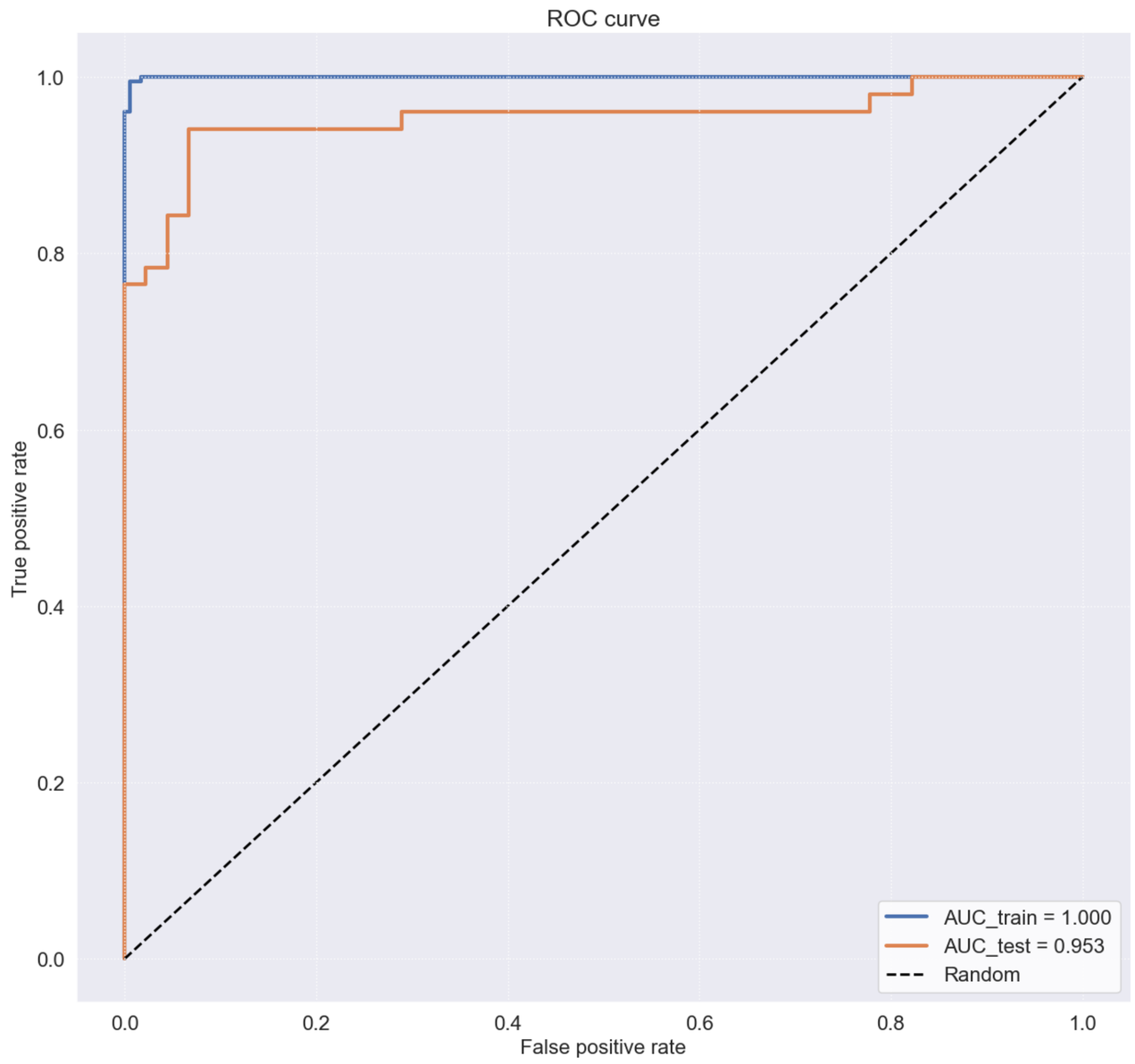


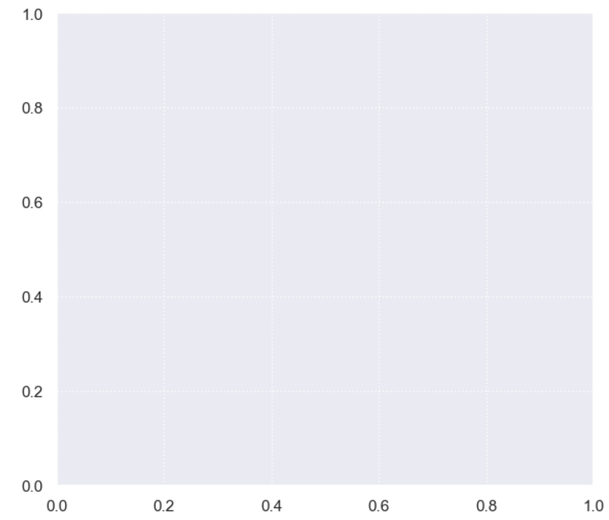


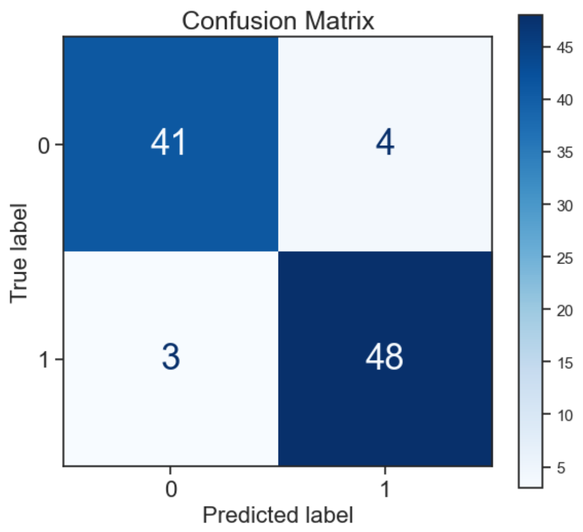
Metric	Train	Test
AUC	0.9998	0.9521
accuracy	0.9922	0.9167
balanced accuracy	0.9917	0.915
recall_(sens)	1.0	0.9412
specificity	0.9833	0.8889
precision	0.9854	0.9057
f1_score	0.9922	0.9165

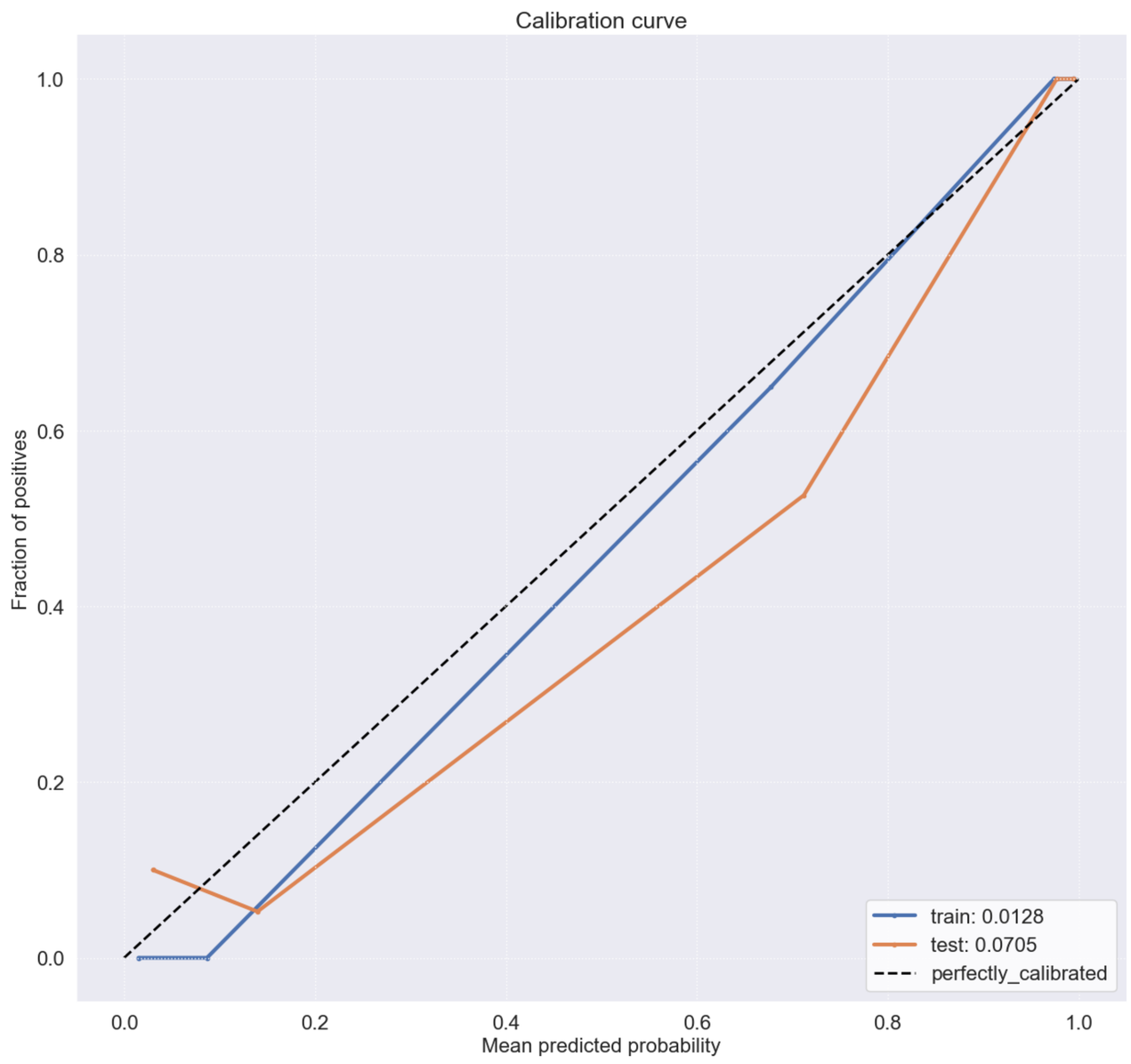
Protein: Q14524 - metric: SoftVotingXGBoostEnsemble

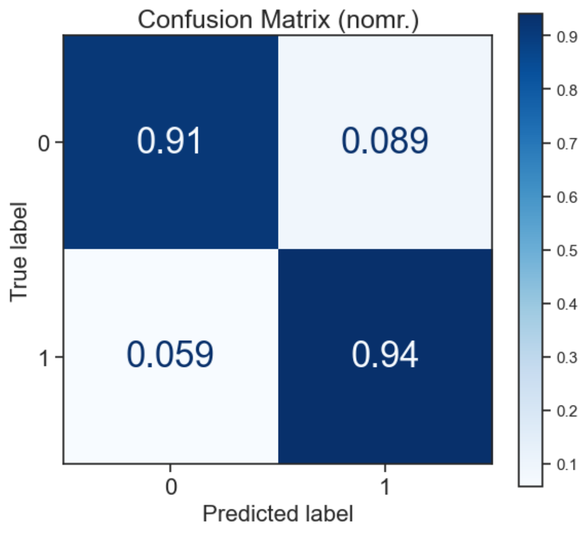


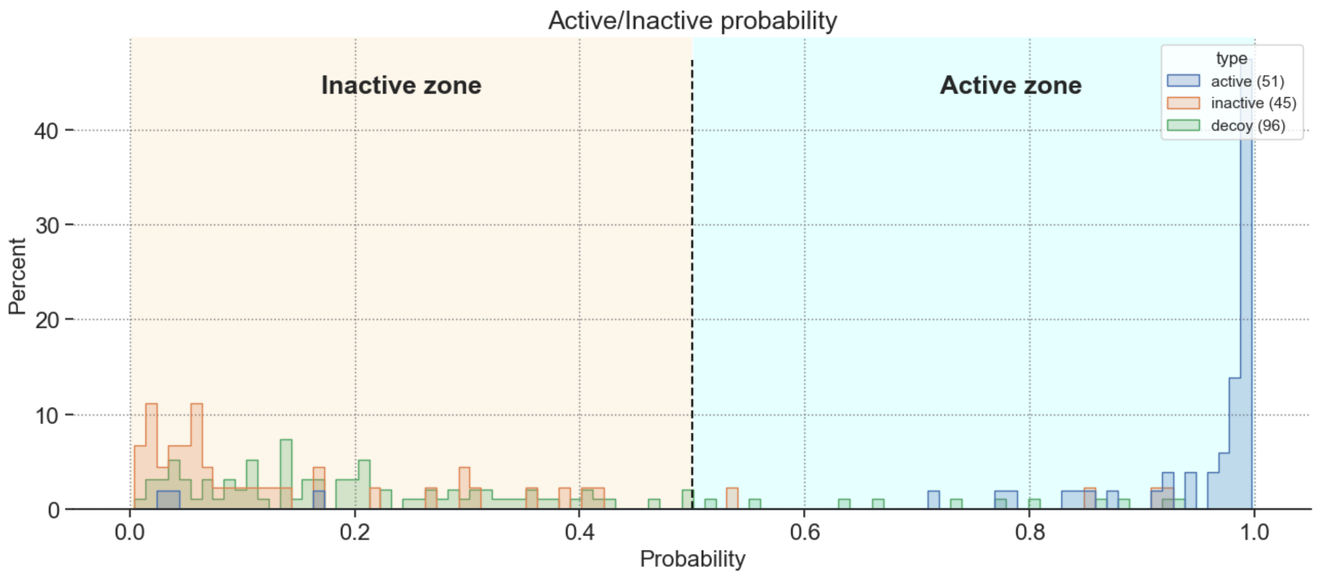












Metric	Train	Test
AUC	0.9997	0.9534
accuracy	0.9922	0.9271
balanced accuracy	0.9917	0.9261
recall_(sens)	1.0	0.9412
specificity	0.9833	0.9111
precision	0.9854	0.9231
f1_score	0.9922	0.927