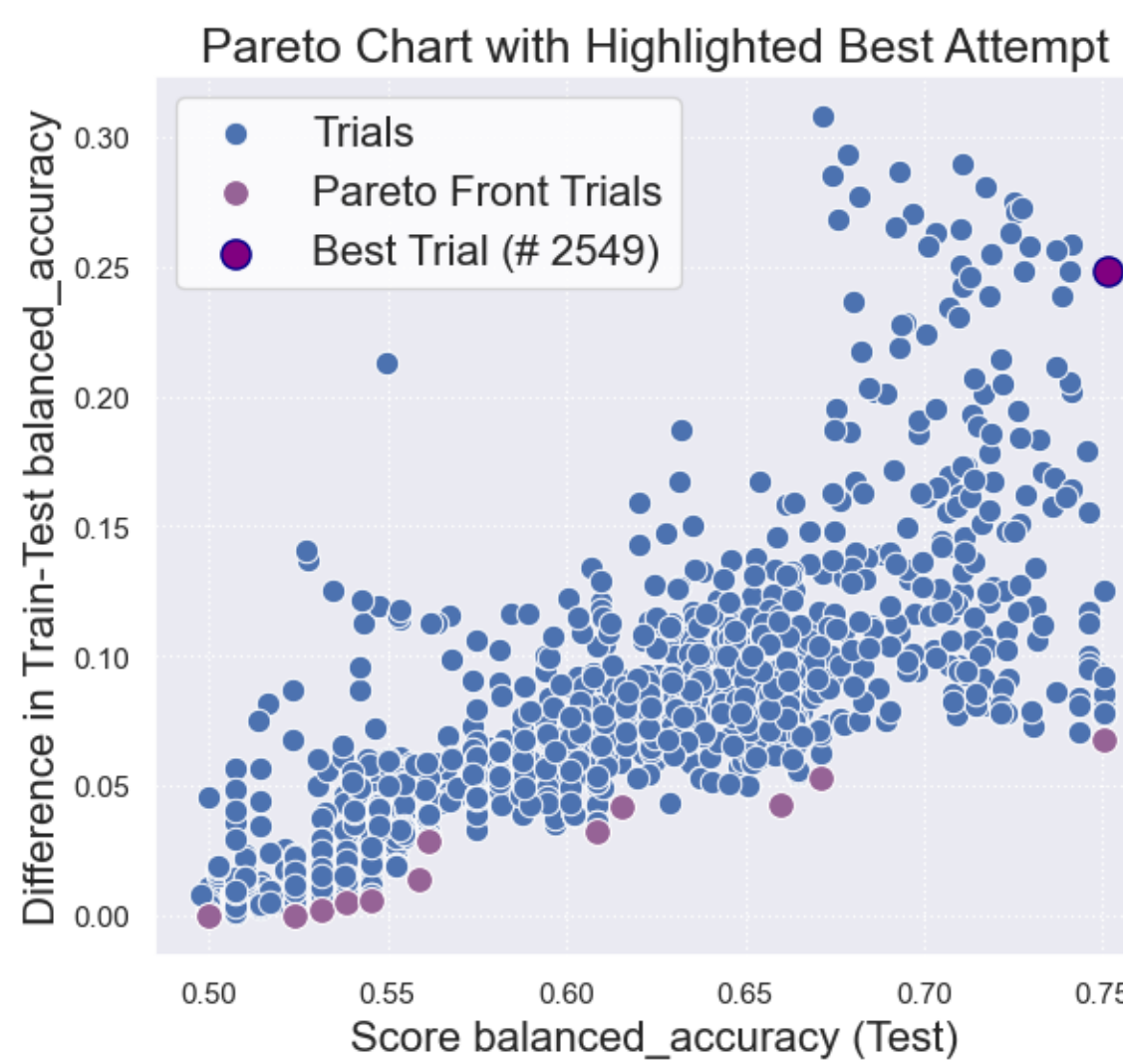
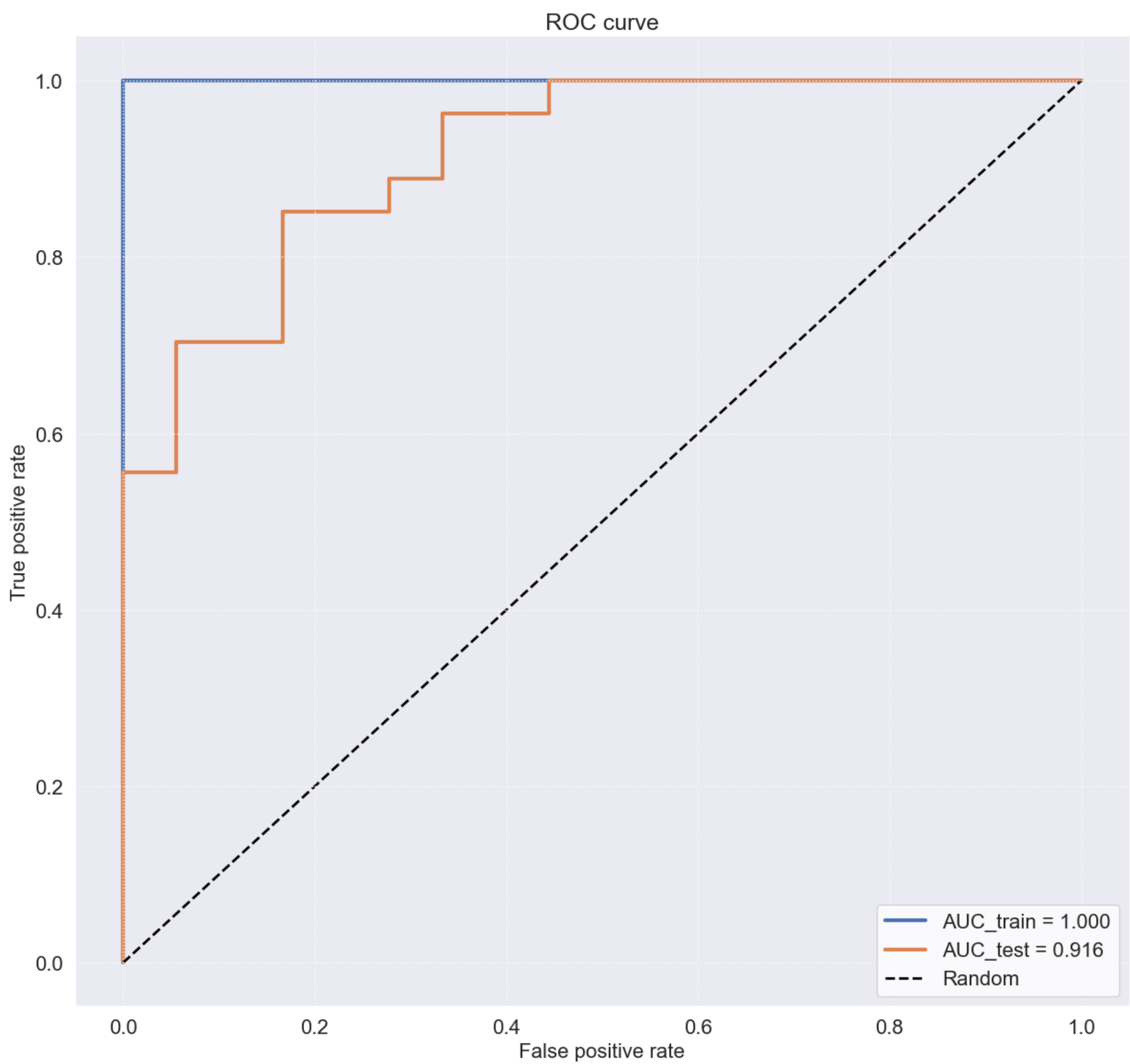
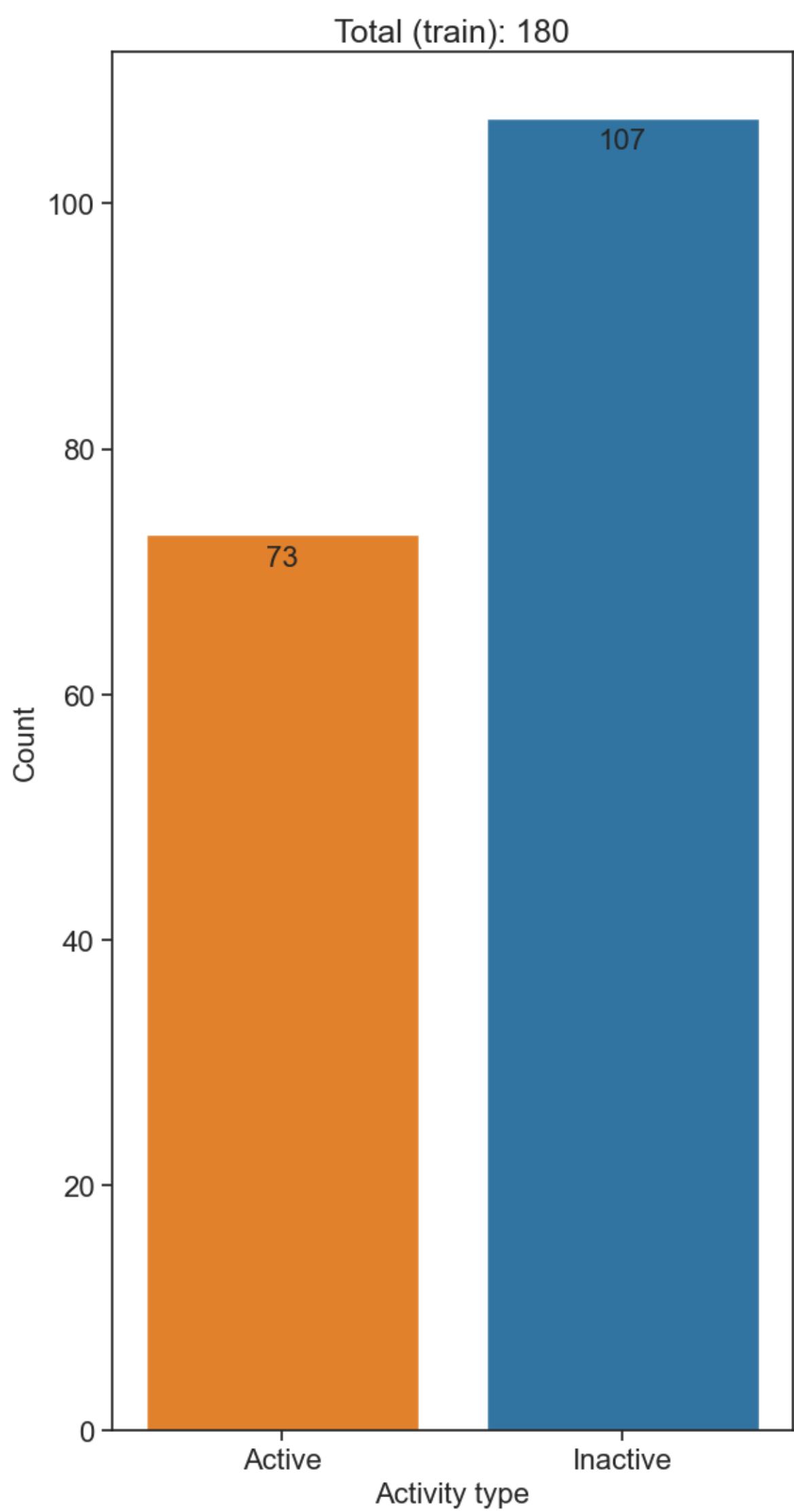
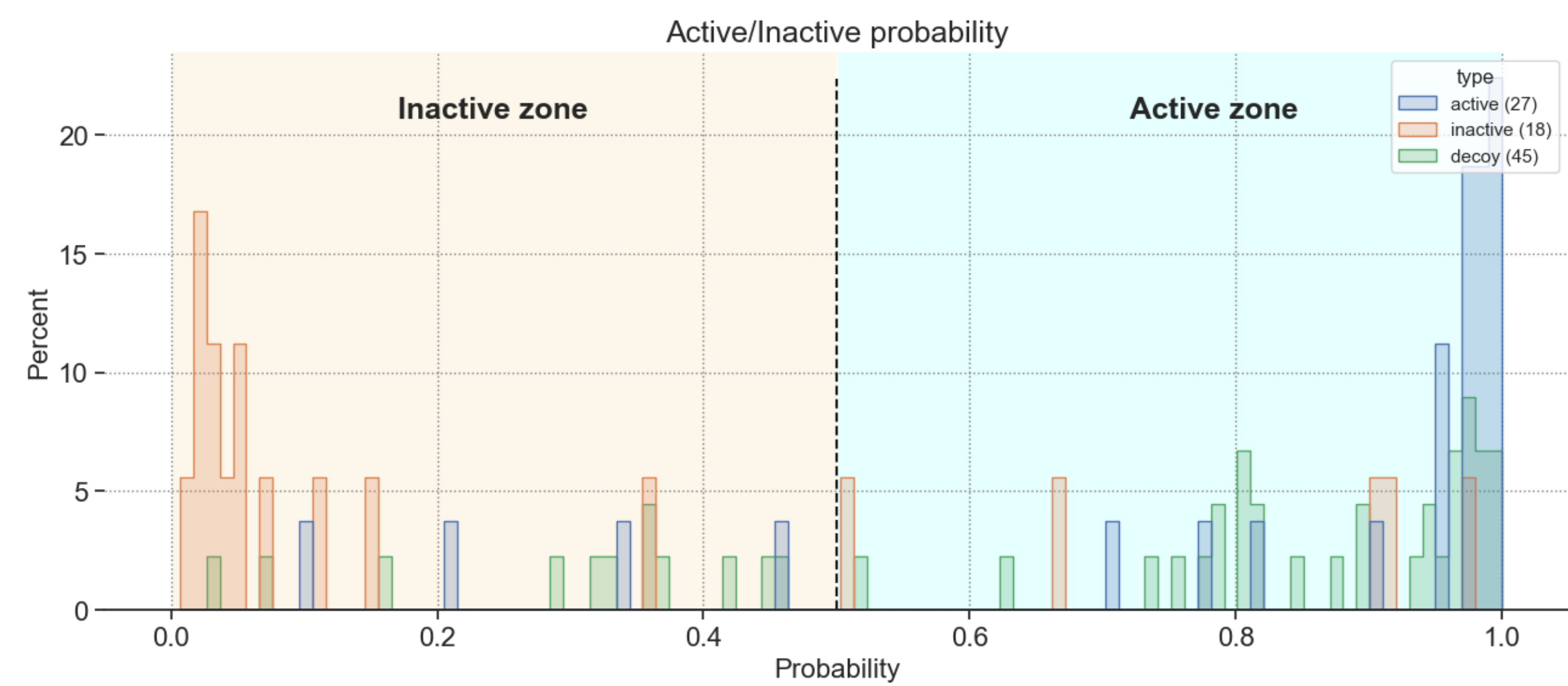
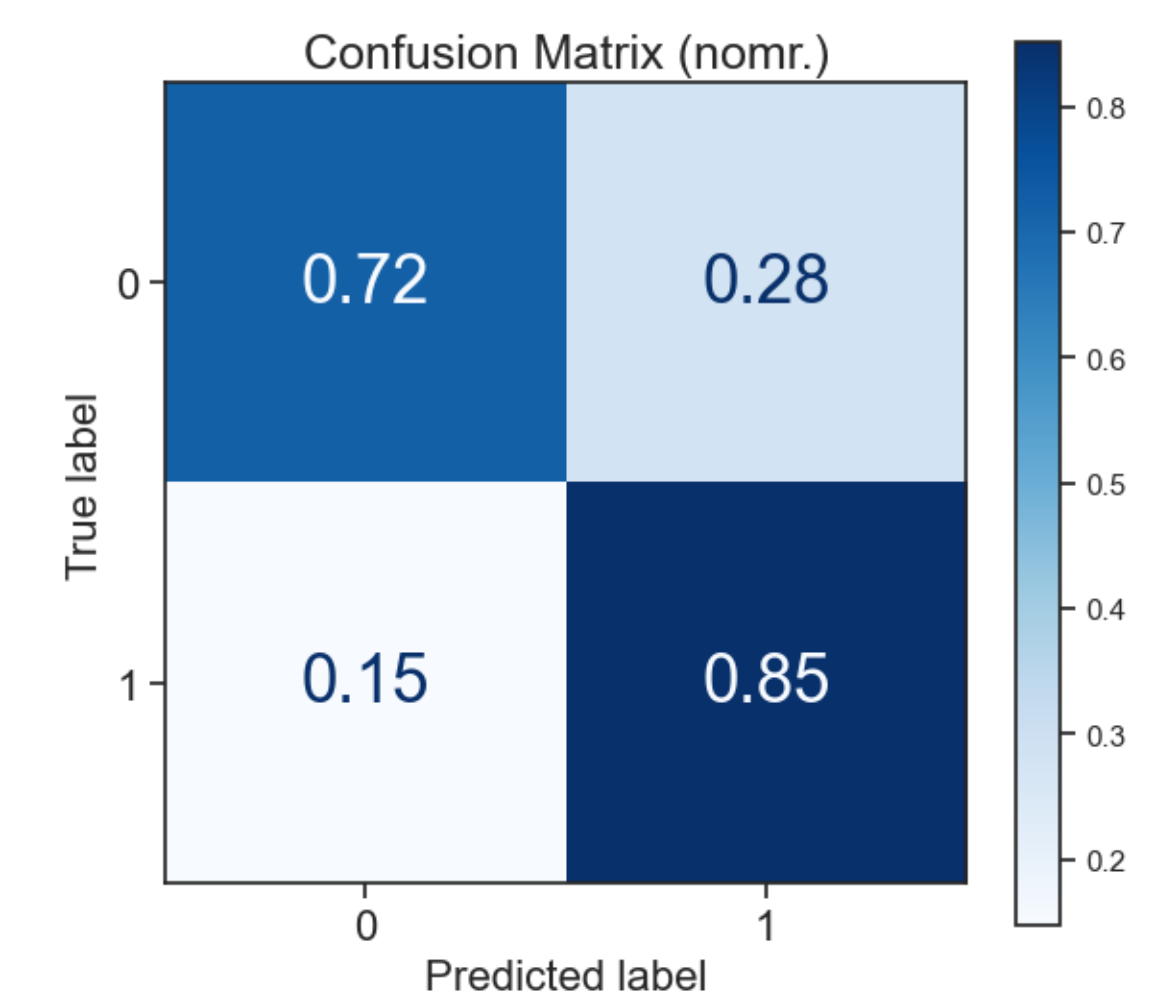
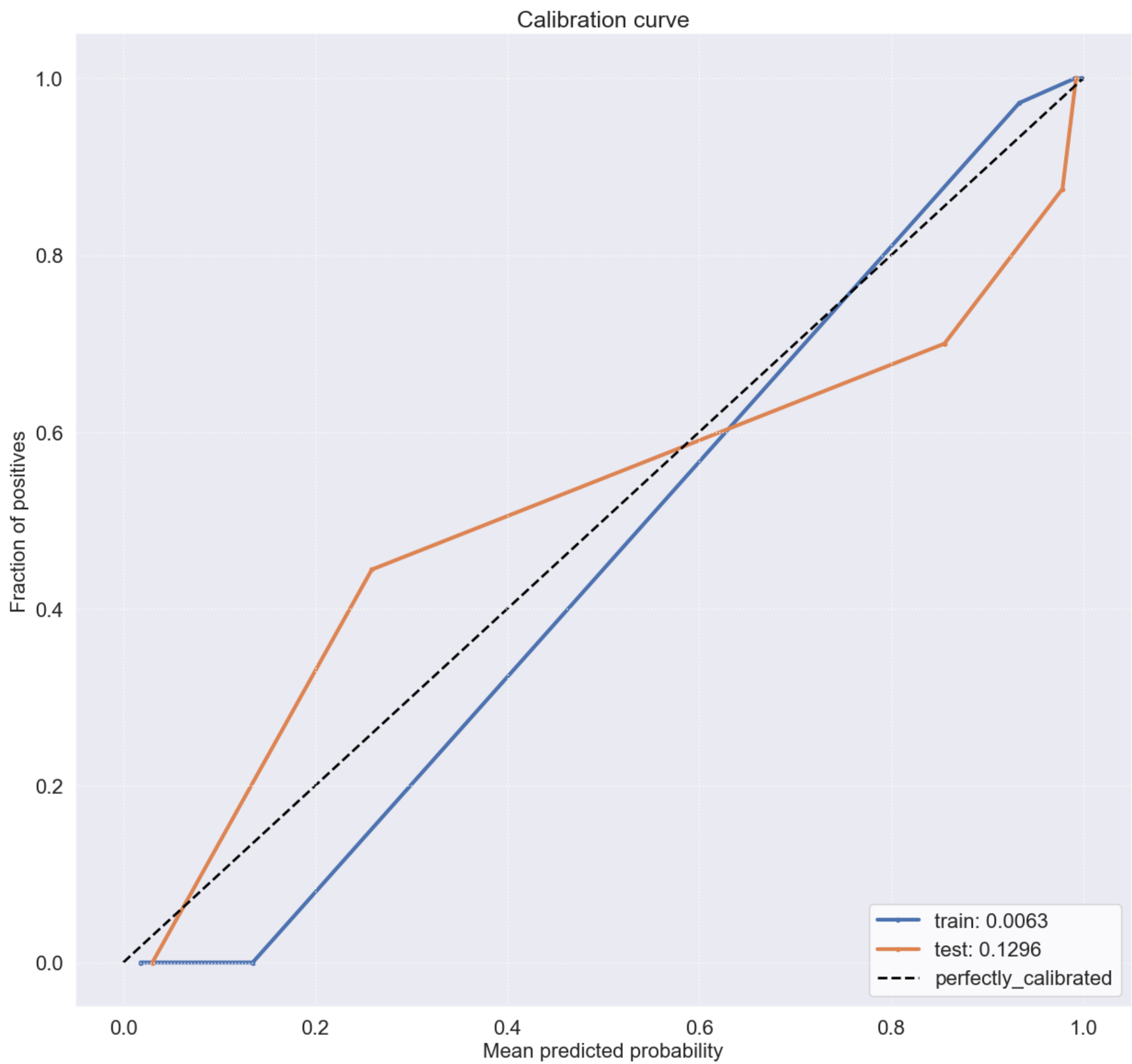
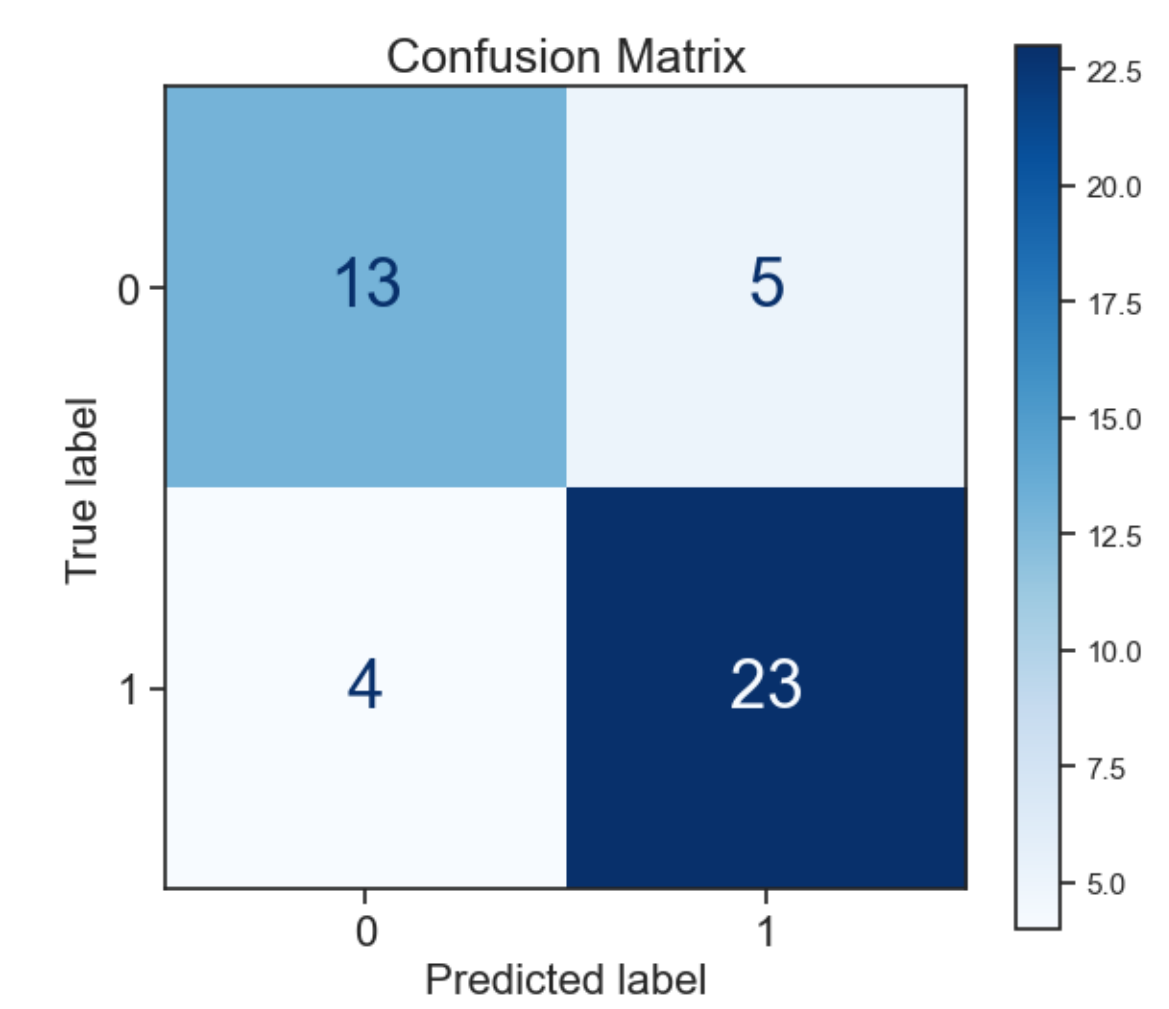


Protein: O15379 - metric: balanced\_accuracy



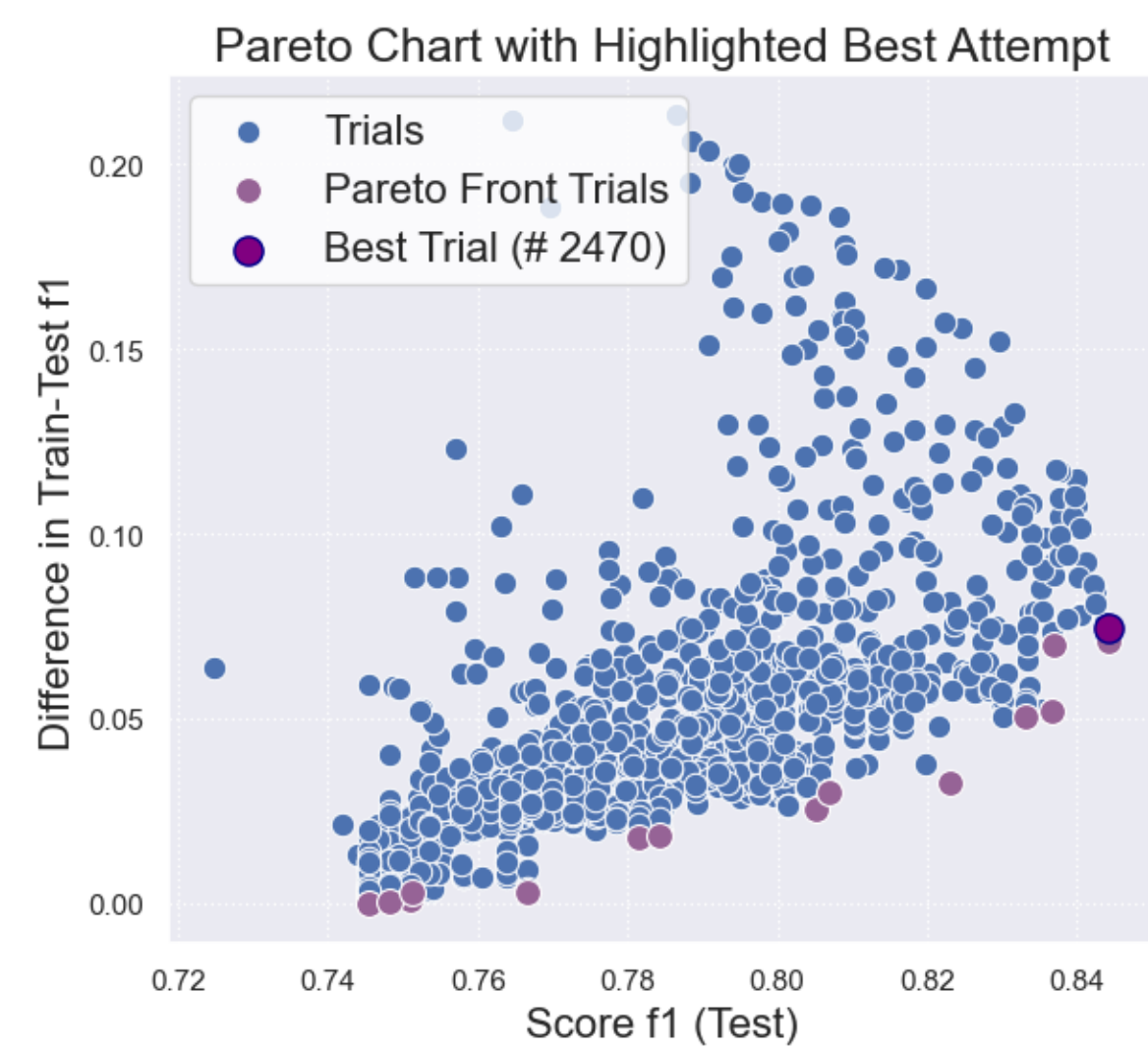
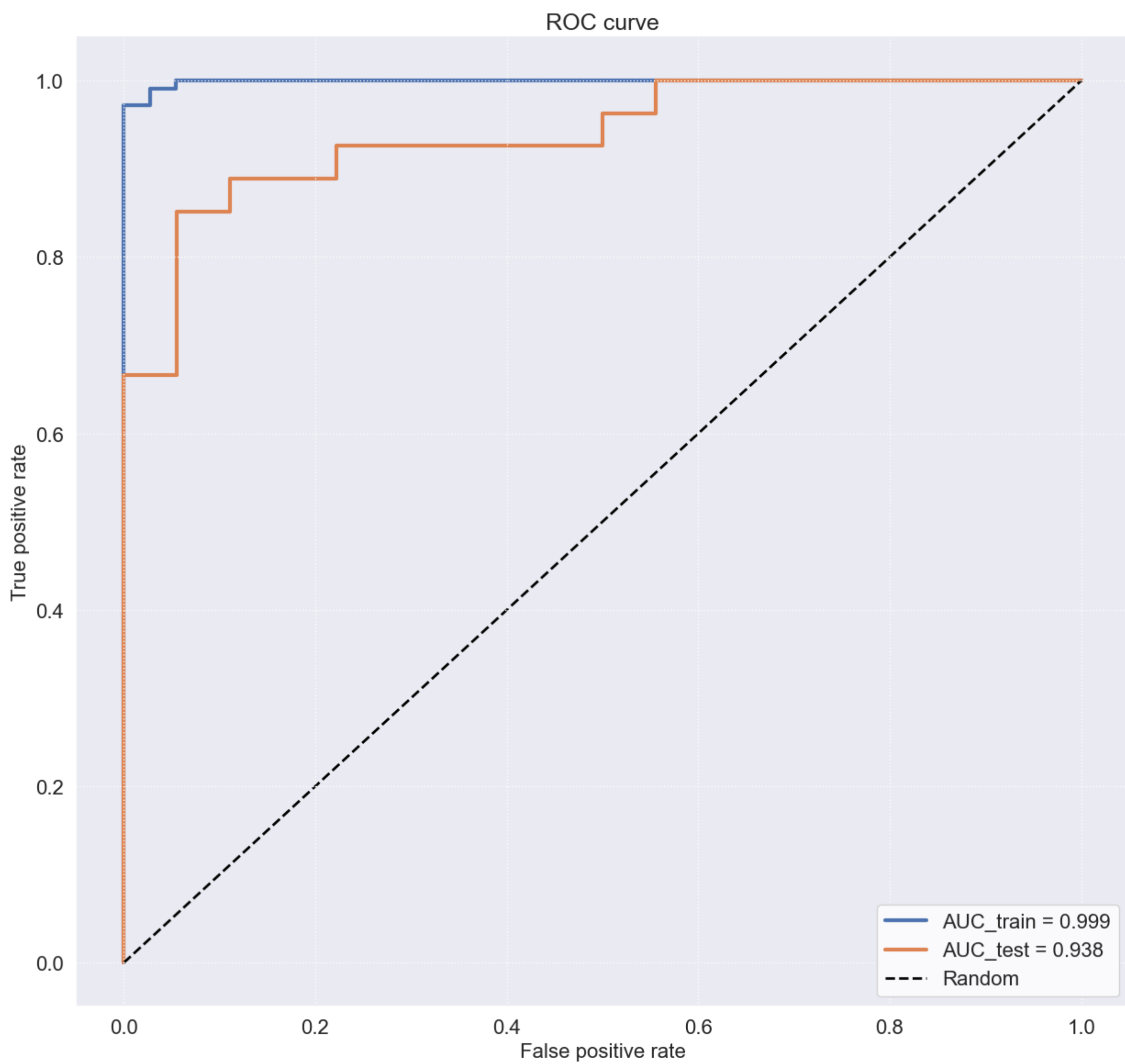
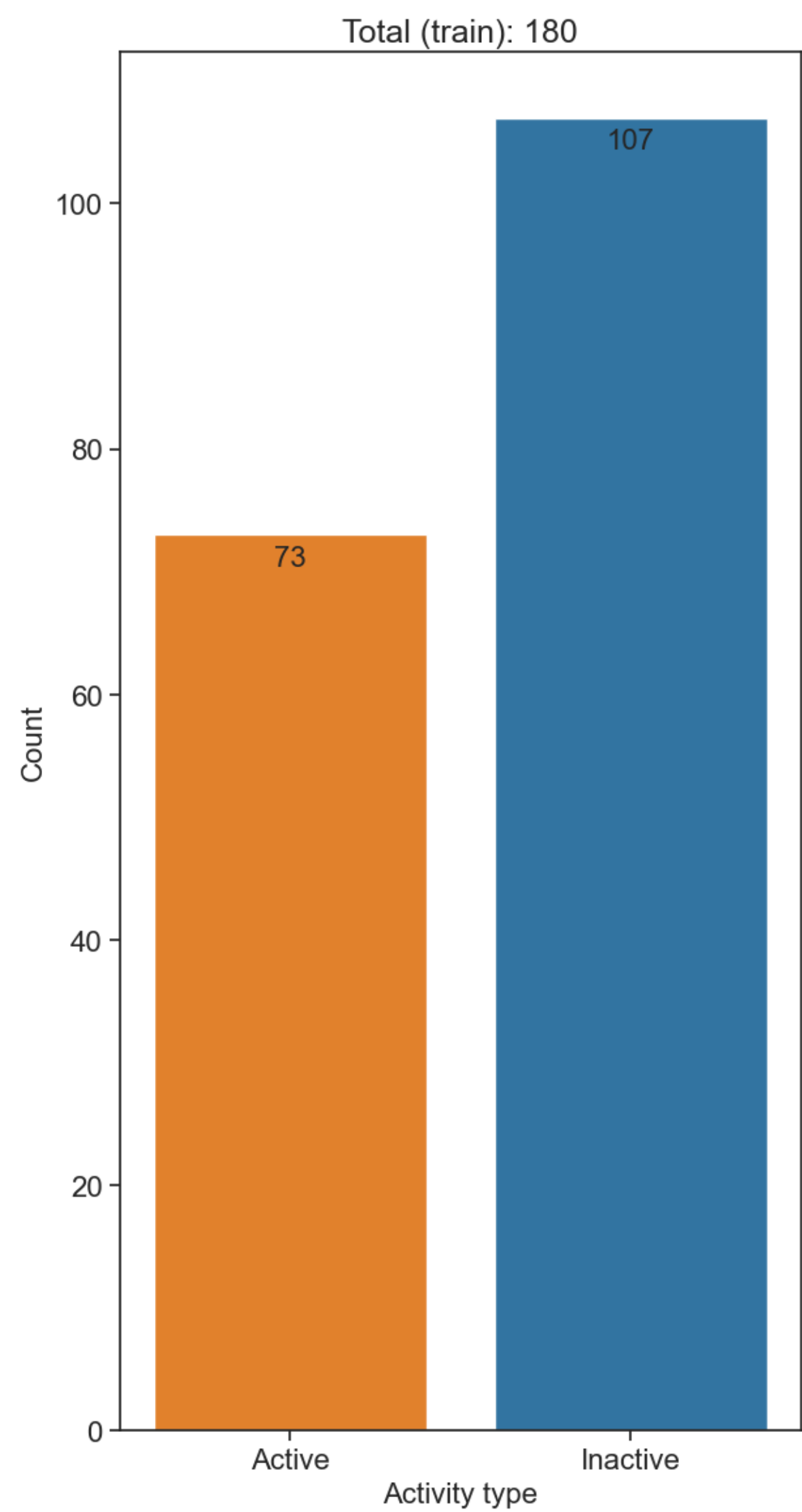
XGBoost Parameters	Value
alpha	1.8044
colsample_bytree	0.729
gamma	0.2105
lambda	4.0283
learning_rate	0.1086
max_depth	3.0
min_child_weight	1.0
n_estimators	643.0
reg_alpha	0.0888
reg_lambda	0.2601
scale_pos_weight	2.8085
subsample	0.8232



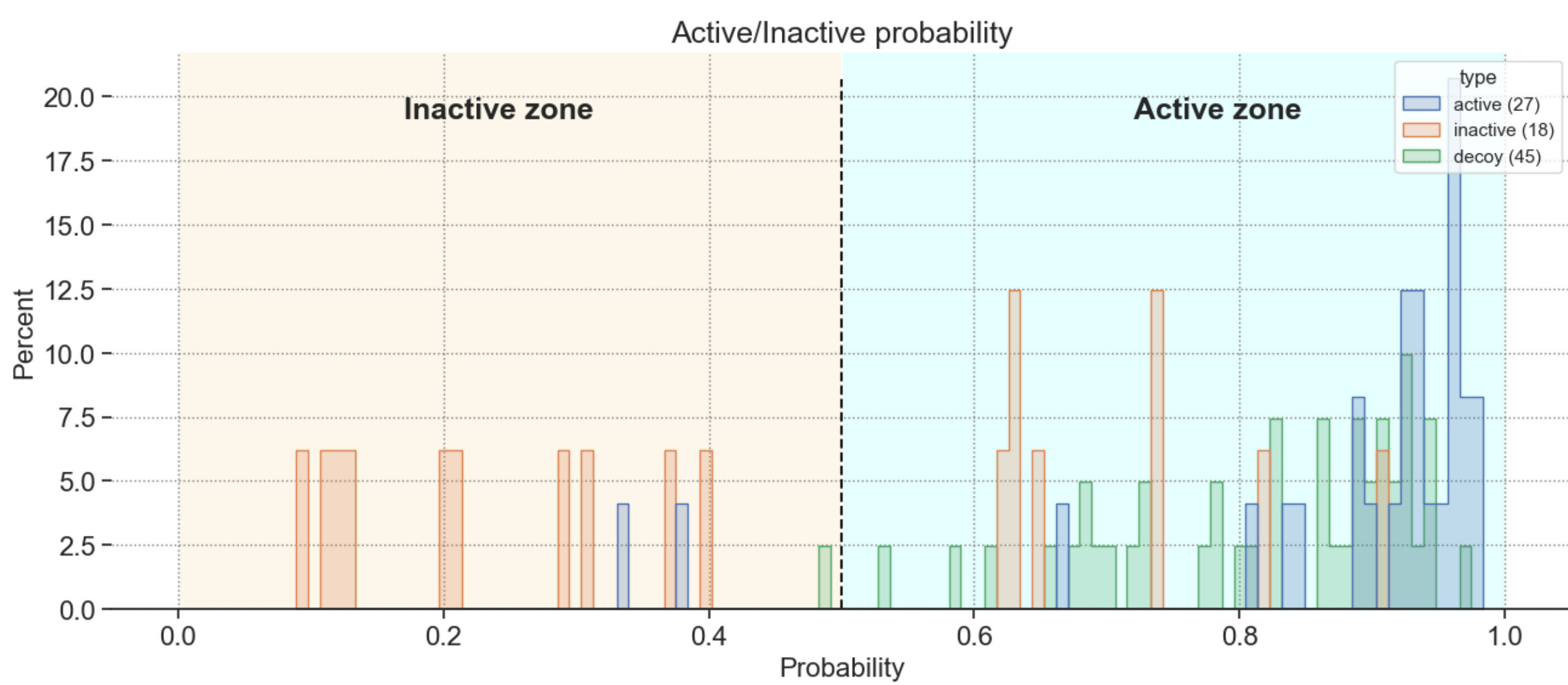
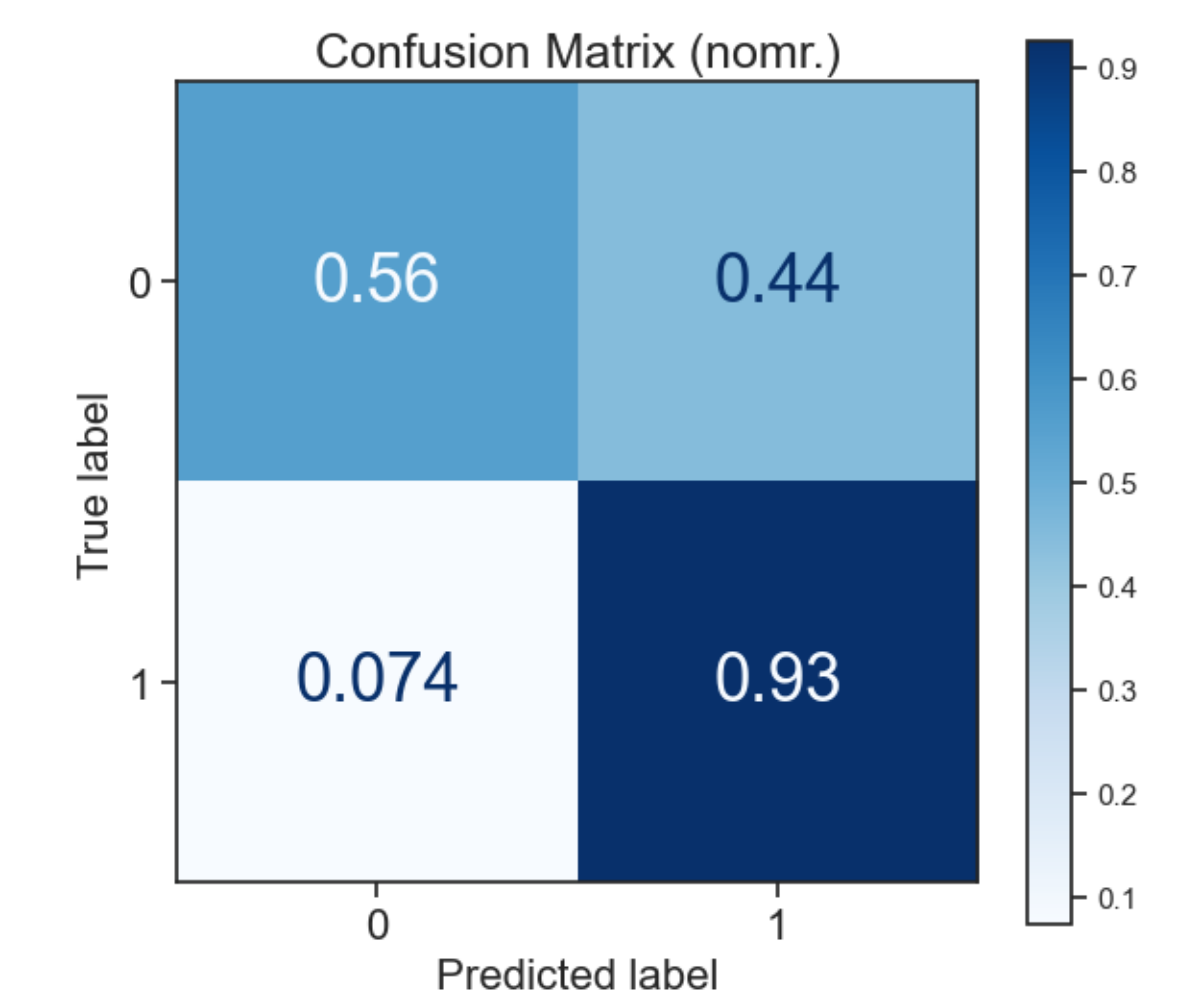
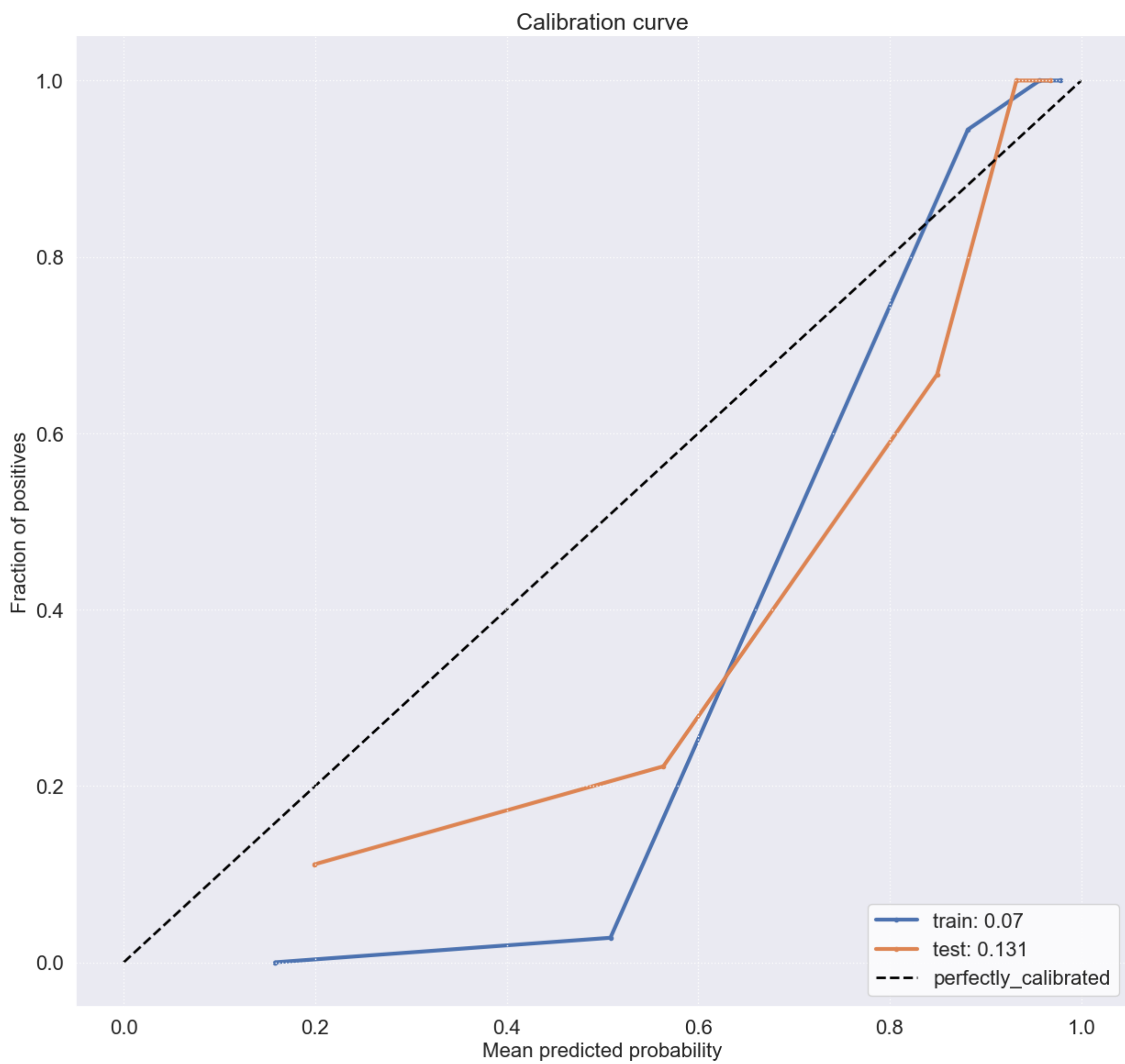
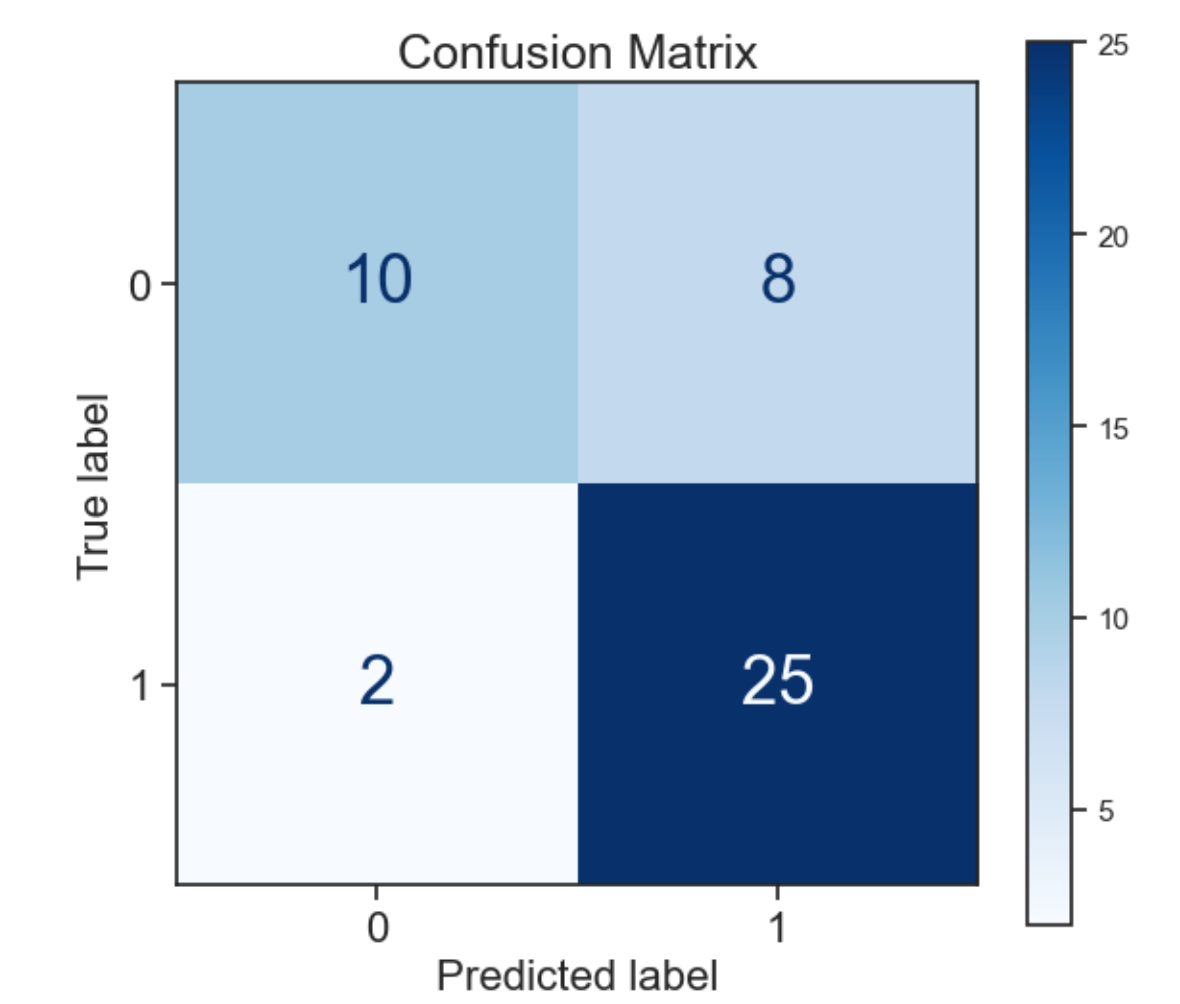
Metric	Train	Test
AUC	1.0	0.9156
accuracy	1.0	0.8
balanced accuracy	1.0	0.787
recall_(sens)	1.0	0.8519
specificity	1.0	0.7222
precision	1.0	0.8214
f1_score	1.0	0.799



Protein: O15379 - metric: f1



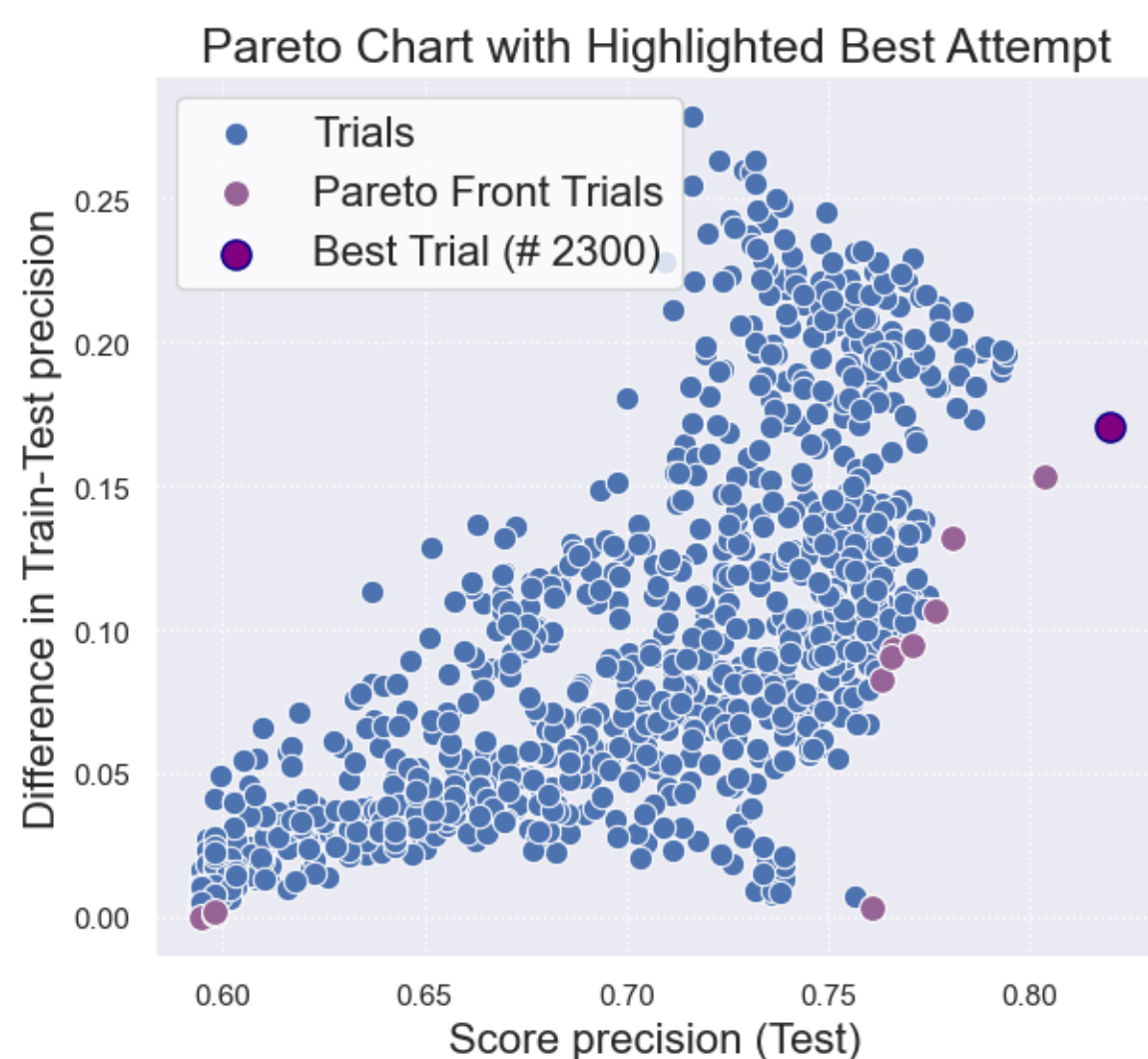
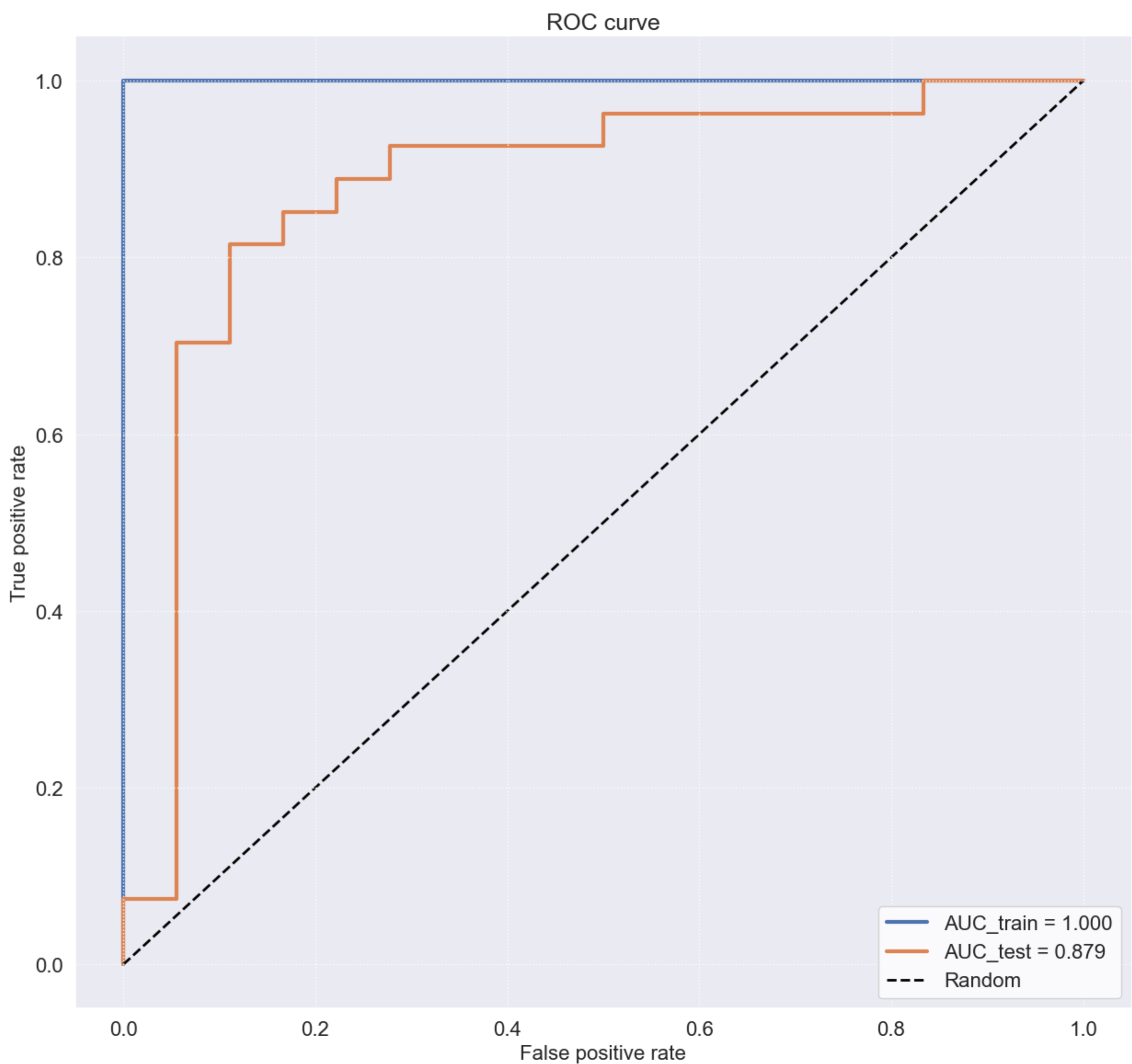
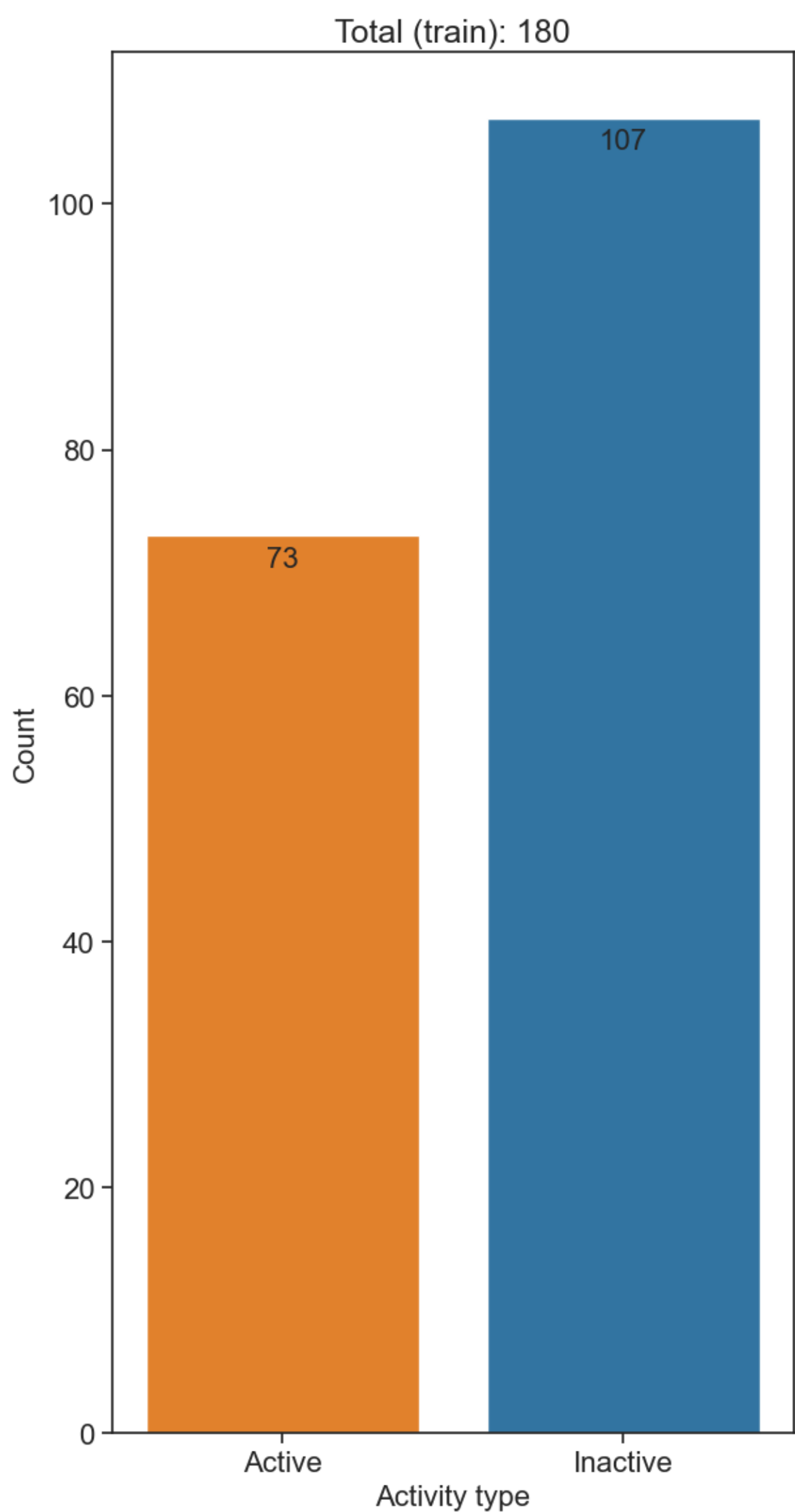
XGBoost Parameters		Value
alpha		2.0949
colsample_bytree		0.7808
gamma		0.1443
lambda		3.5053
learning_rate		0.0135
max_depth		6.0
min_child_weight		1.0
n_estimators		363.0
reg_alpha		0.8775
reg_lambda		0.9293
scale_pos_weight		4.3336
subsample		0.6411



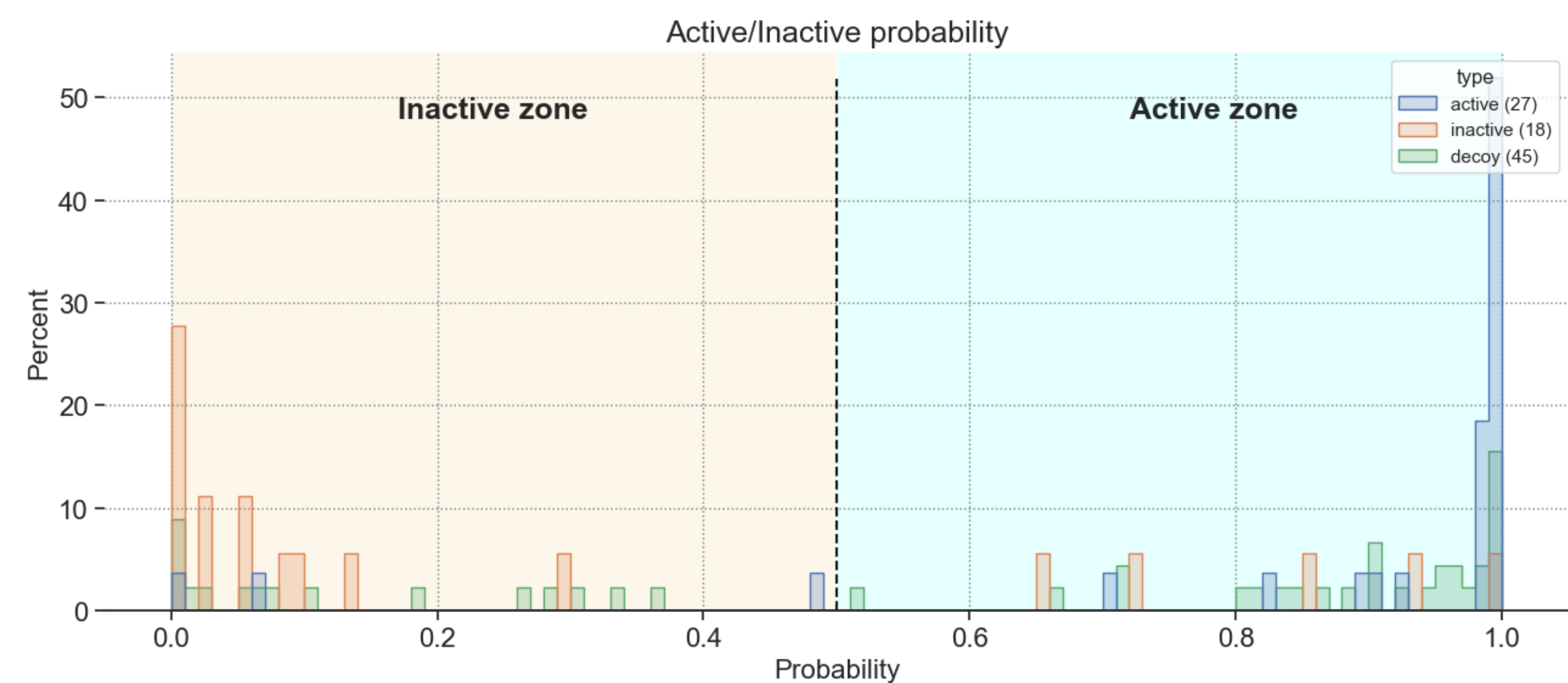
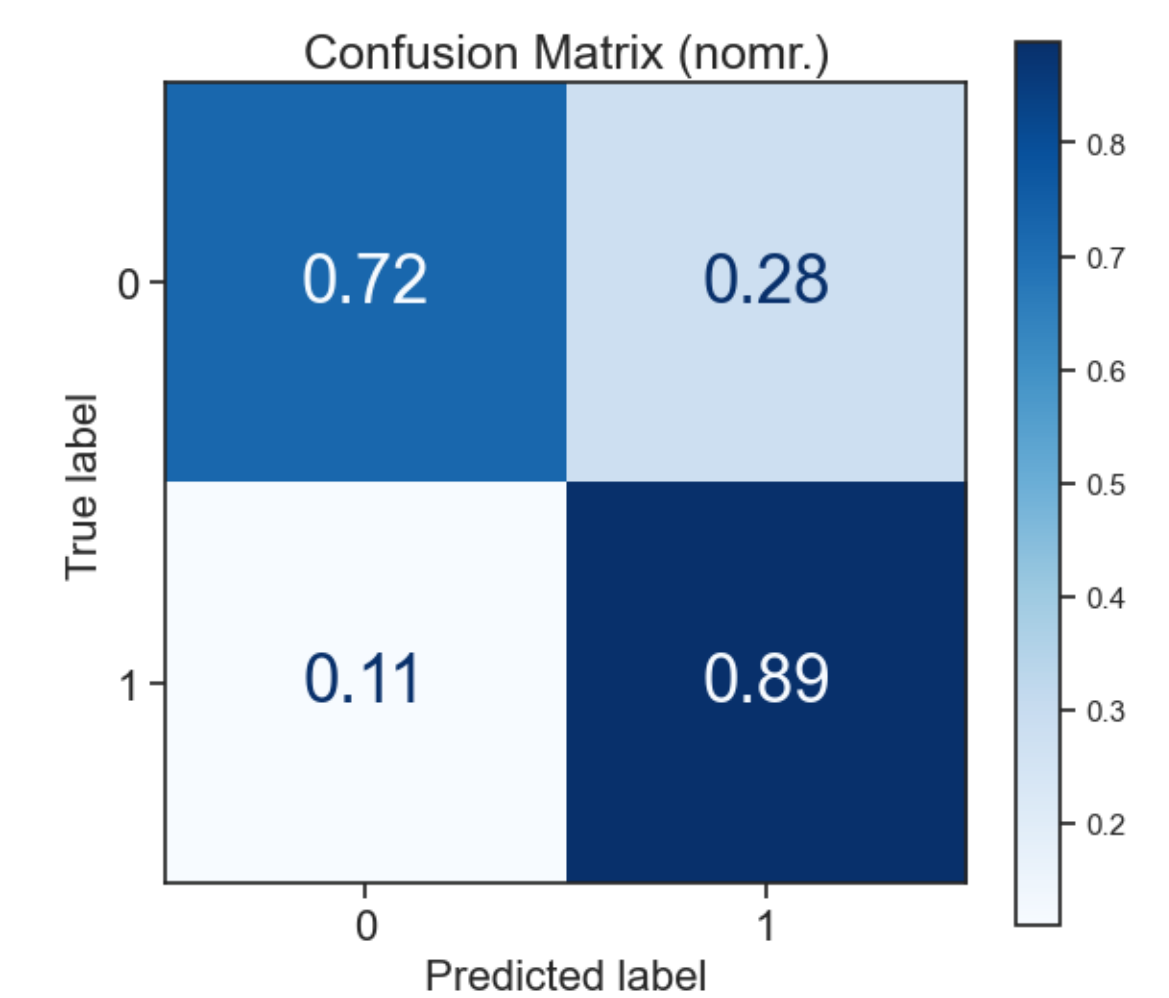
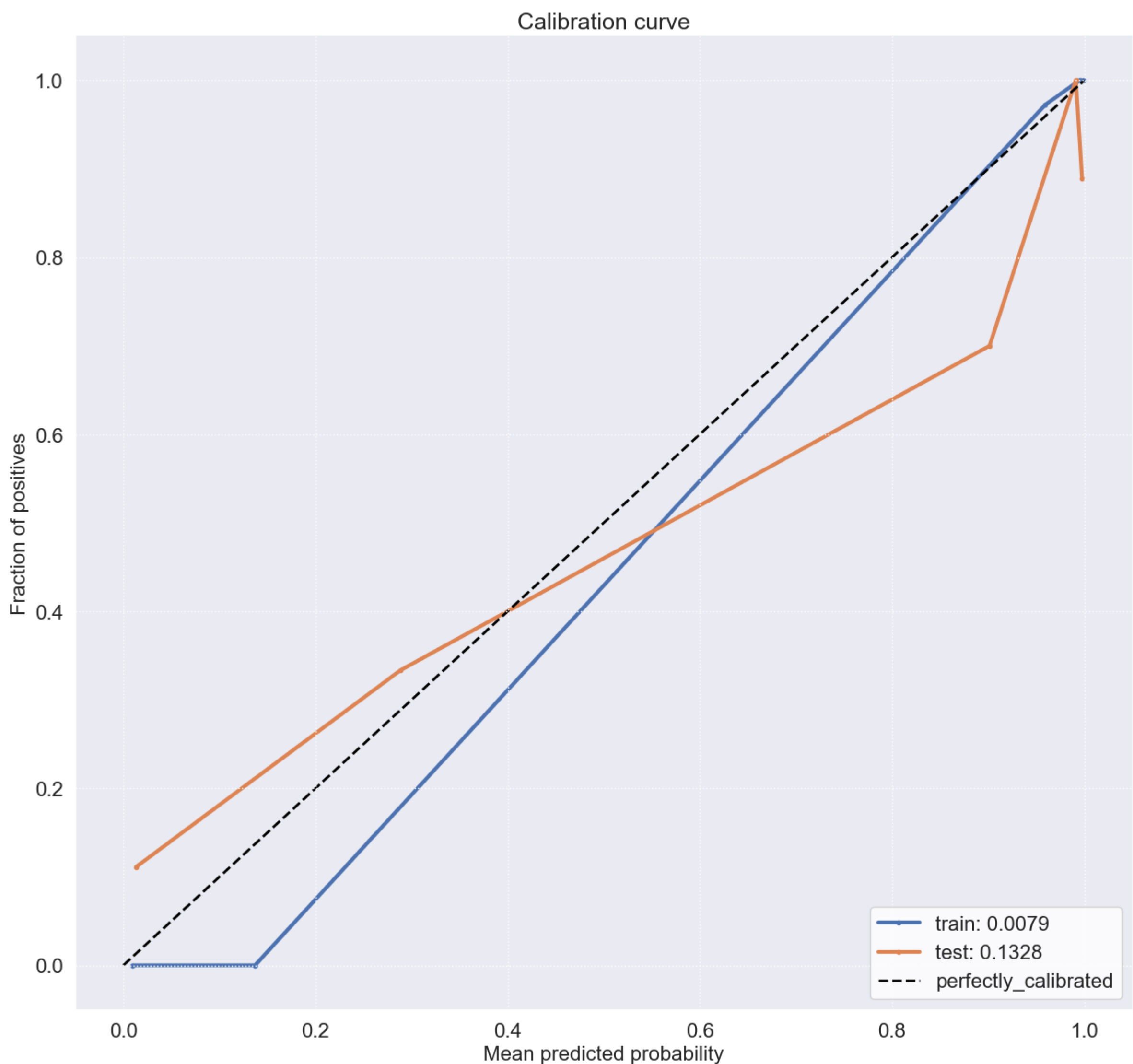
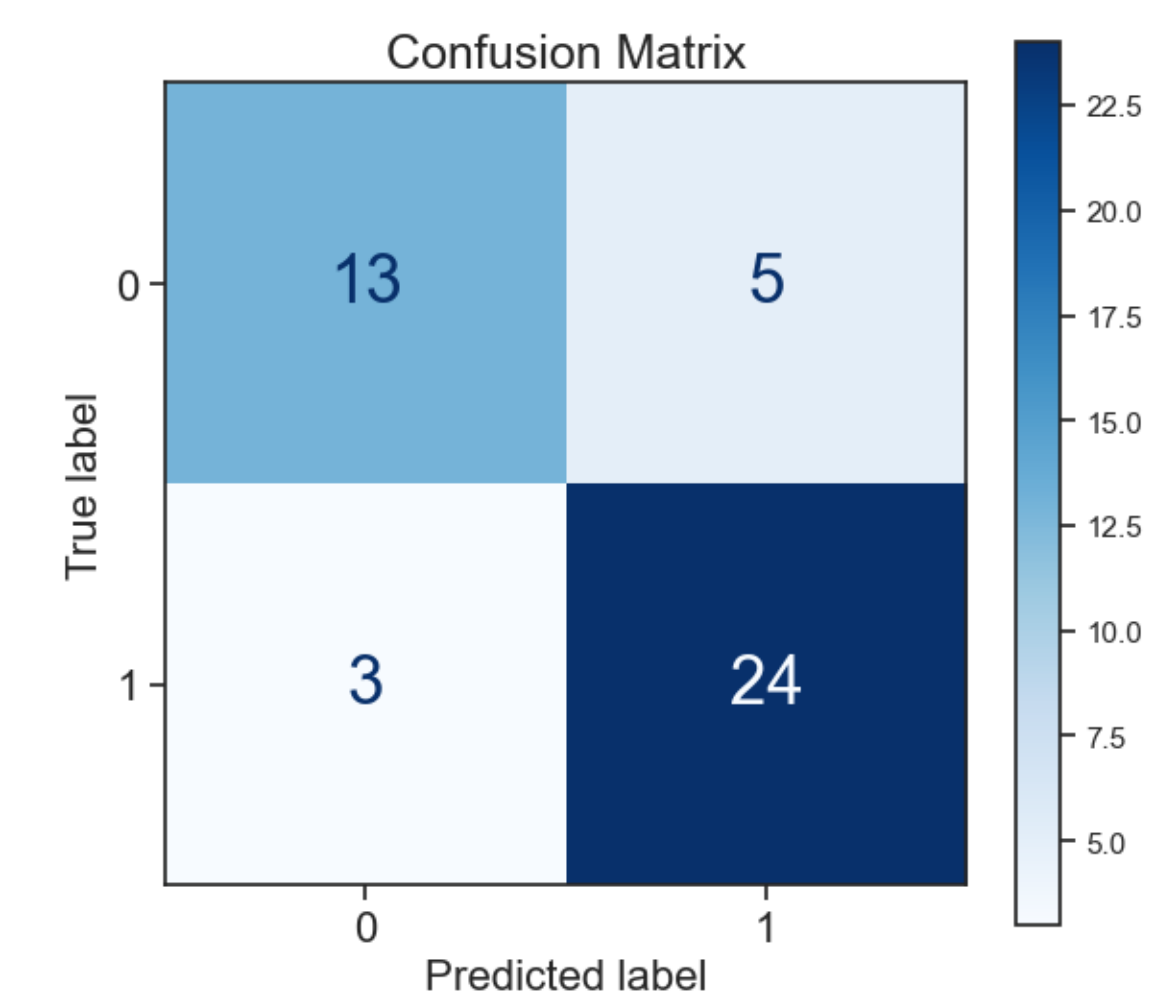
Metric	Train	Test
AUC	0.999	0.9383
accuracy	0.8889	0.7778
balanced accuracy	0.863	0.7407
recall_(sens)	1.0	0.9259
specificity	0.726	0.5556
precision	0.8425	0.7576
f1_score	0.8848	0.7667



Protein: O15379 - metric: precision



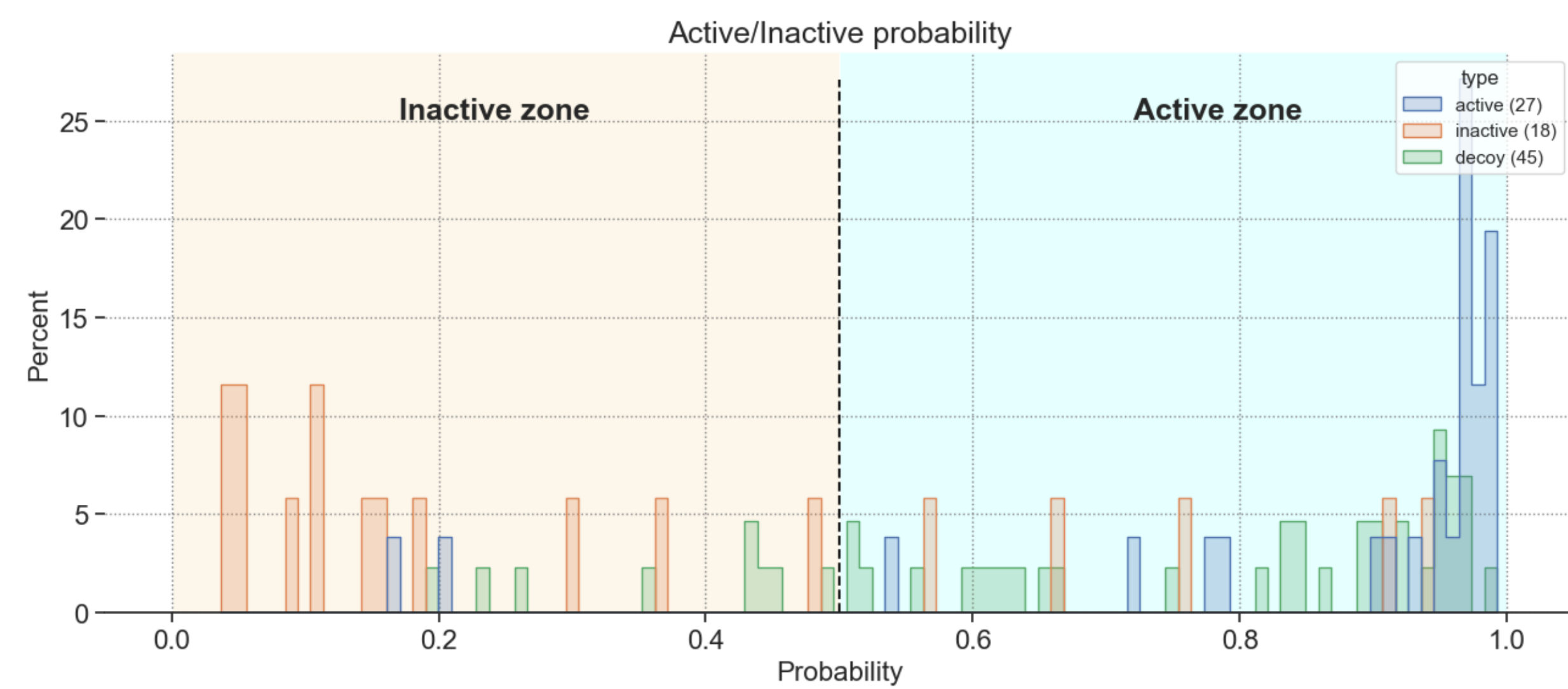
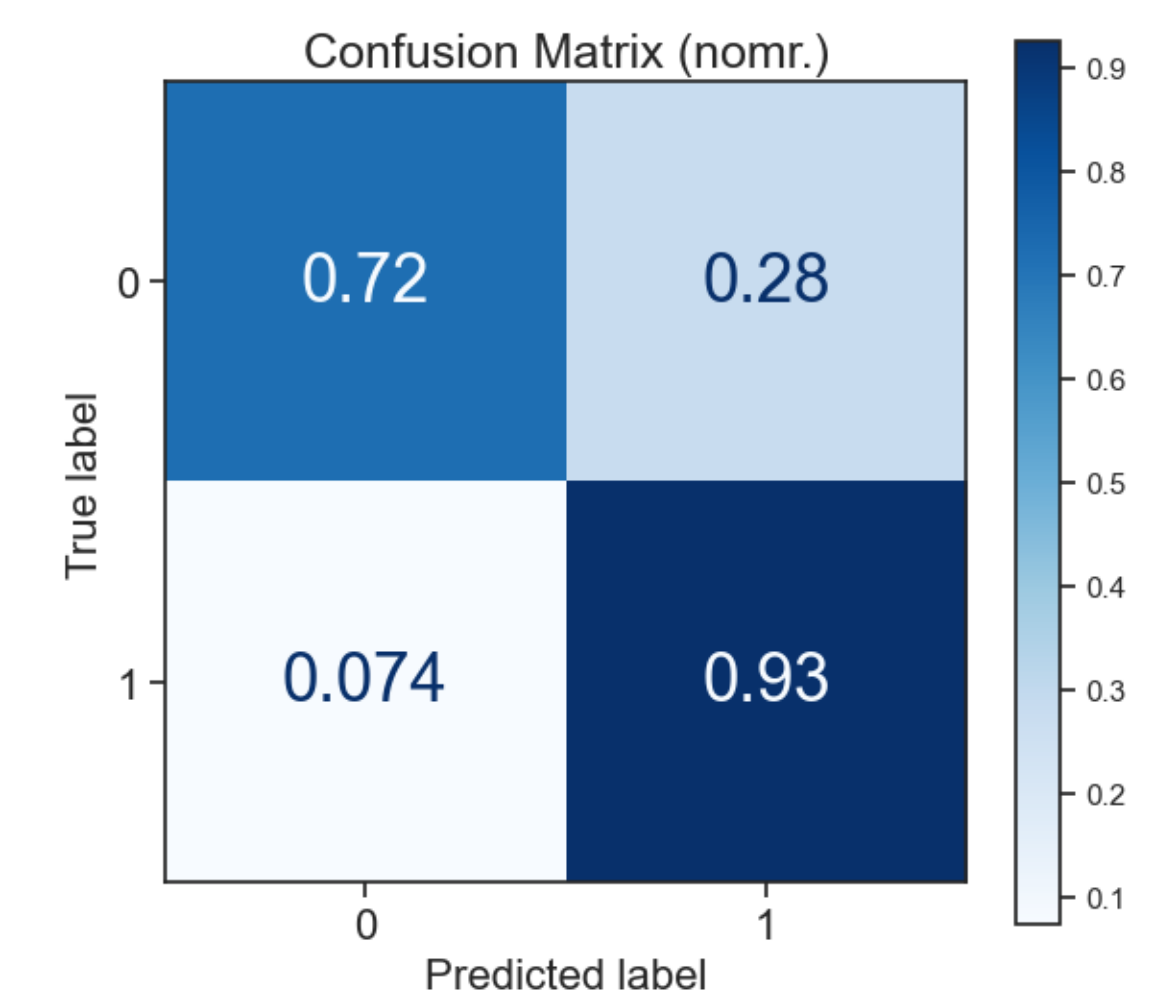
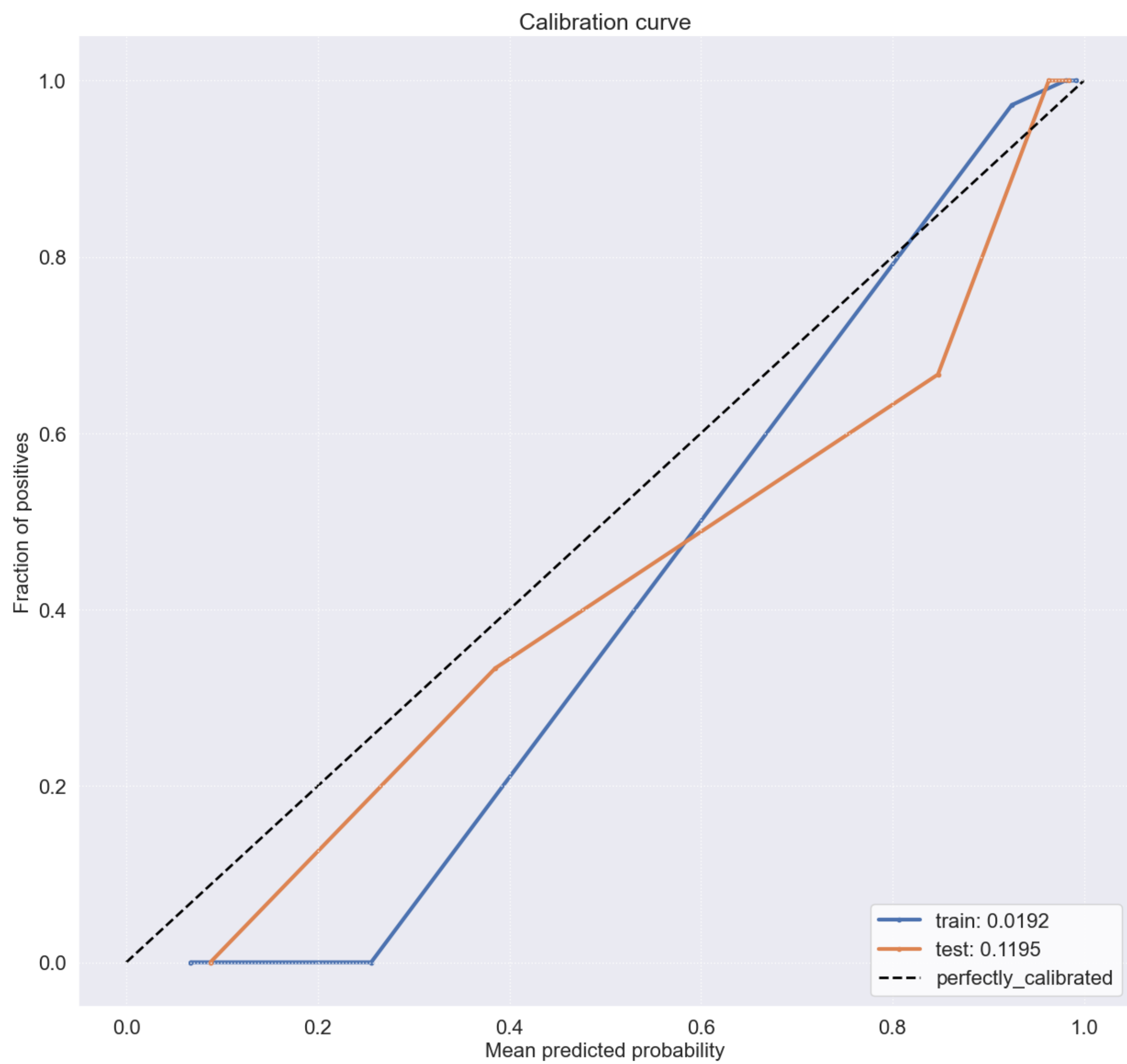
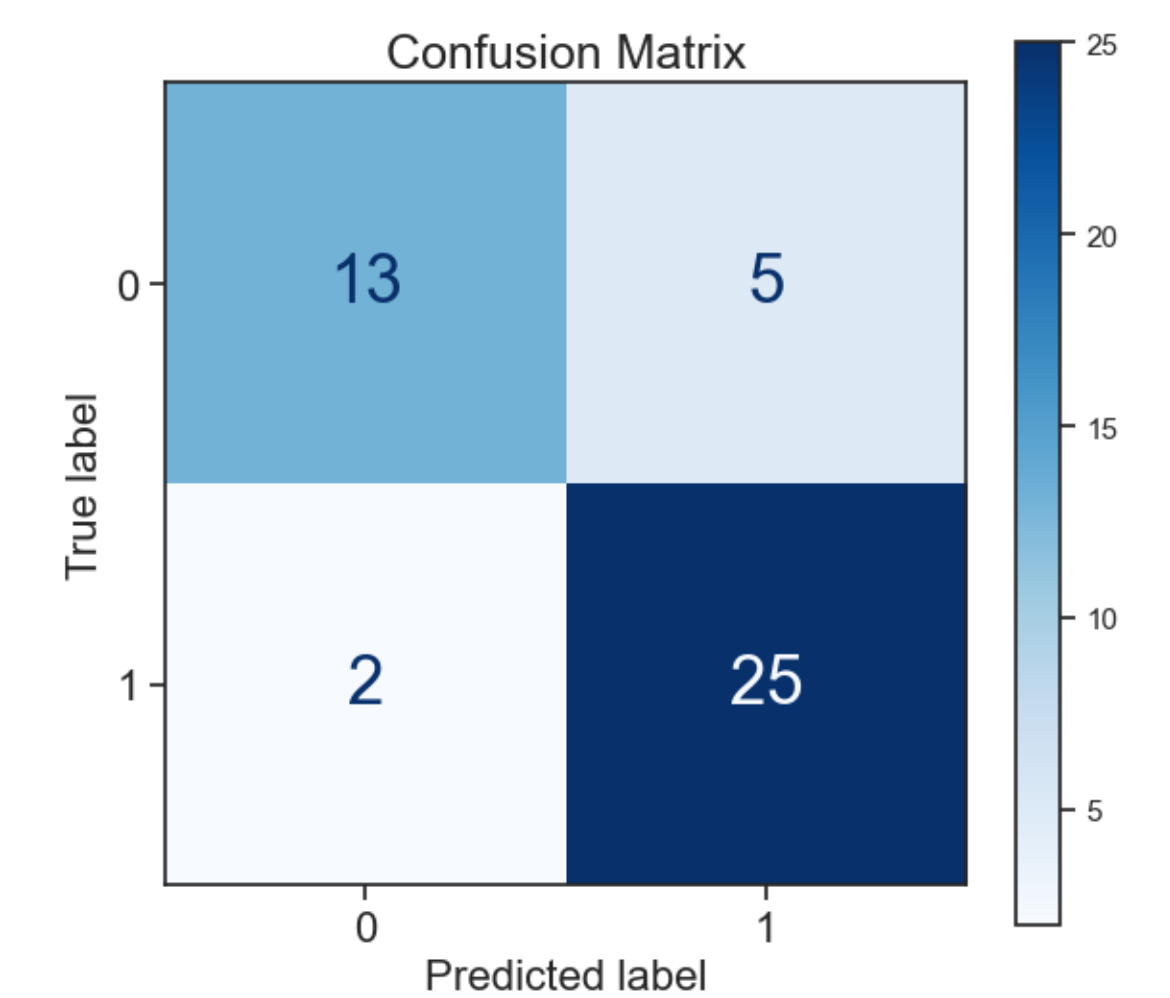
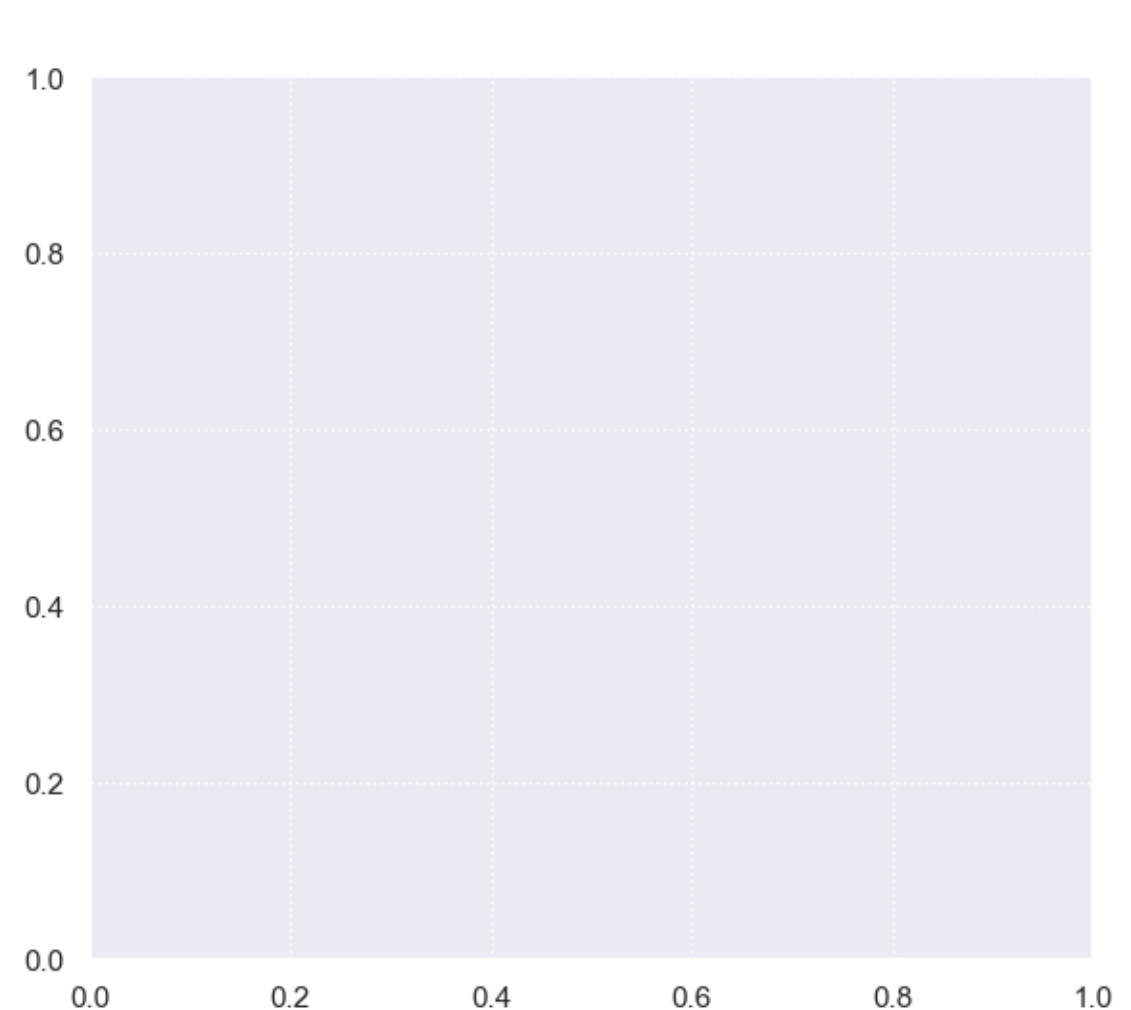
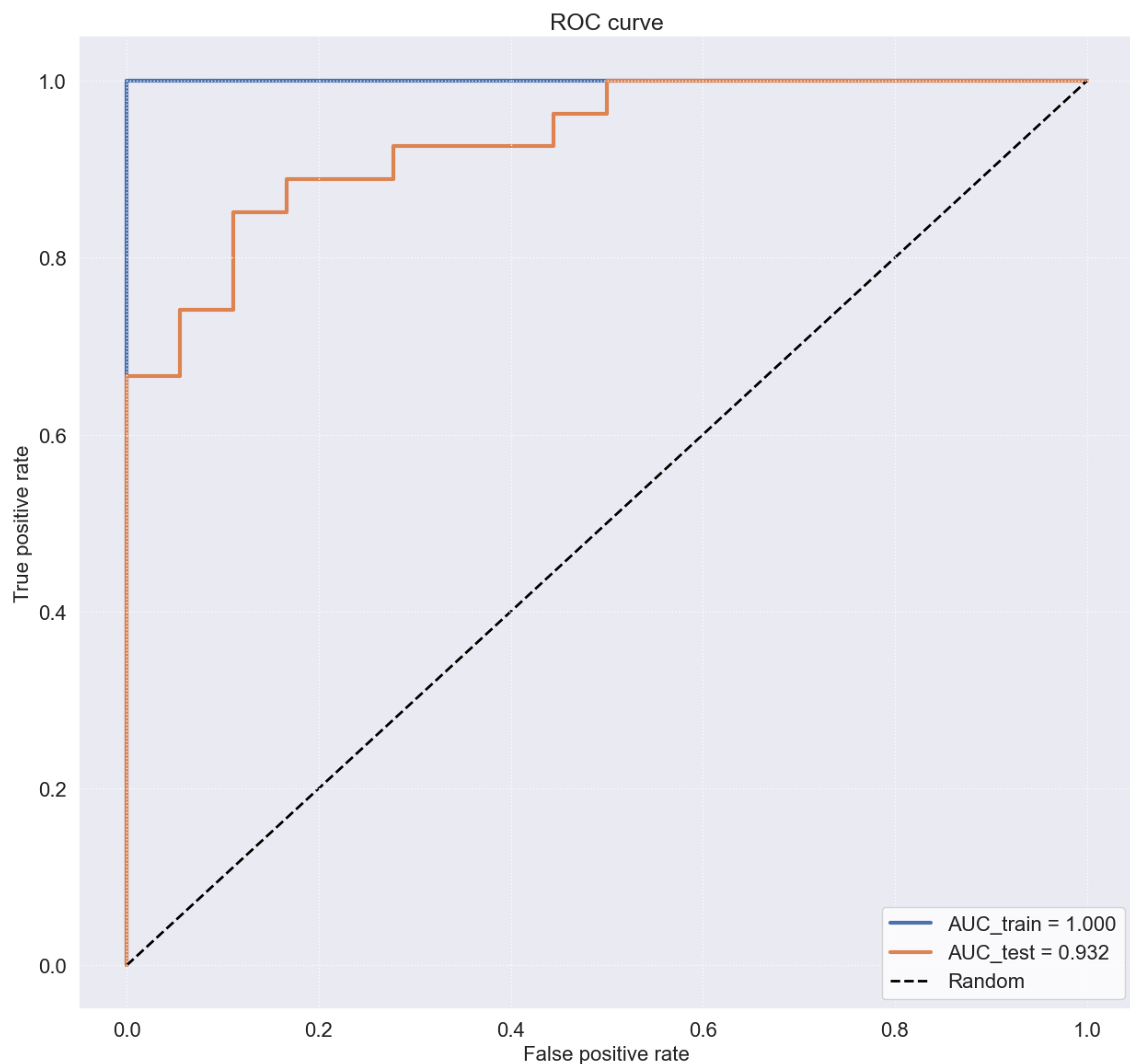
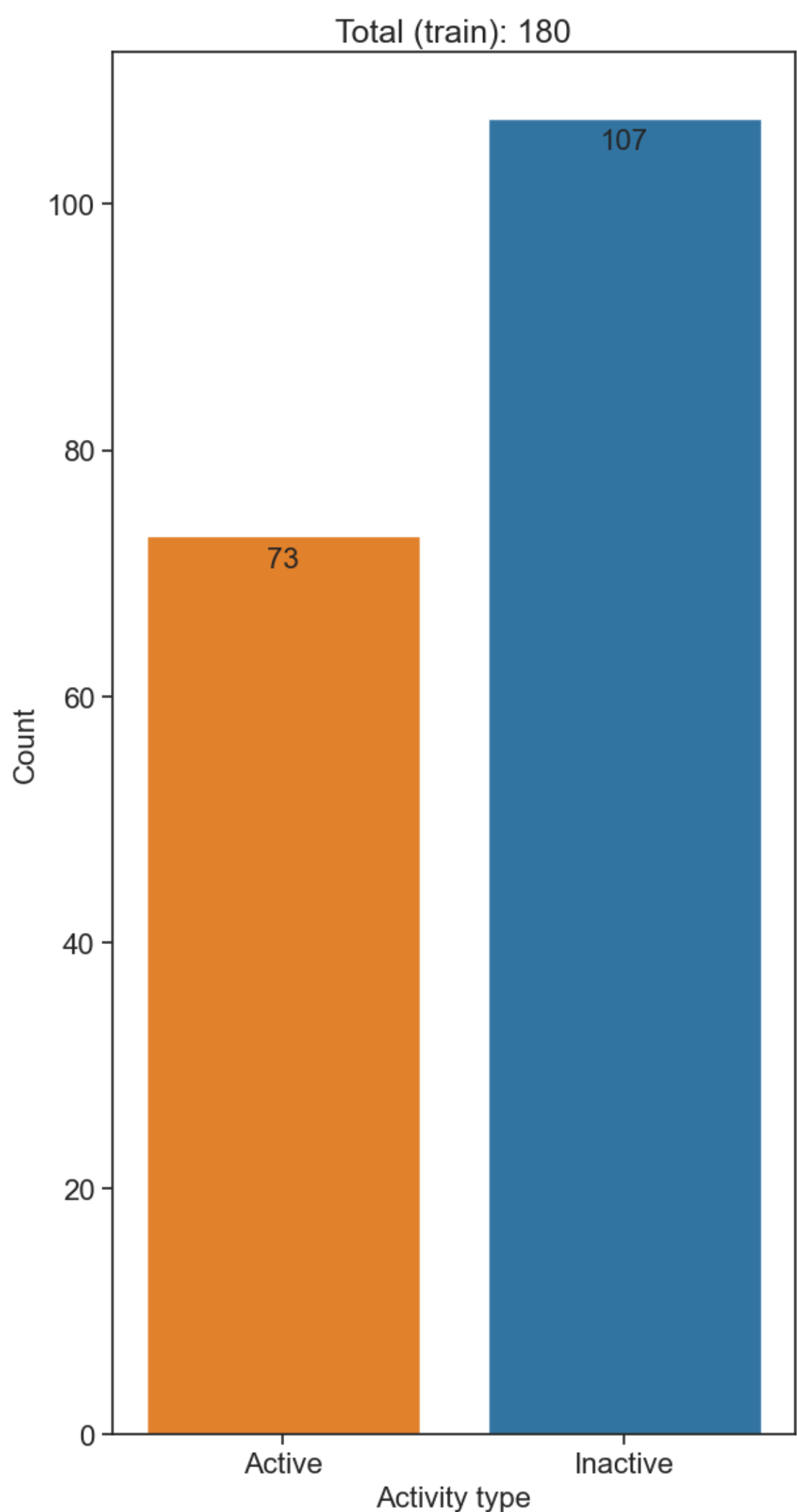
XGBoost Parameters	Value
alpha	0.7536
colsample_bytree	0.597
gamma	0.1661
lambda	0.0661
learning_rate	0.7647
max_depth	10.0
min_child_weight	2.0
n_estimators	787.0
reg_alpha	0.2419
reg_lambda	0.4424
scale_pos_weight	4.0921
subsample	0.8286



Metric	Train	Test
AUC	1.0	0.8786
accuracy	0.9944	0.8222
balanced accuracy	0.9932	0.8056
recall_(sens)	1.0	0.8889
specificity	0.9863	0.7222
precision	0.9907	0.8276
f1_score	0.9944	0.8202



Protein: O15379 - metric: SoftVotingXGBoostEnsemble



Metric	Train	Test
AUC	1.0	0.9321
accuracy	0.9889	0.8444
balanced accuracy	0.9863	0.8241
recall_(sens)	1.0	0.9259
specificity	0.9726	0.7222
precision	0.9817	0.8333
f1_score	0.9889	0.8415