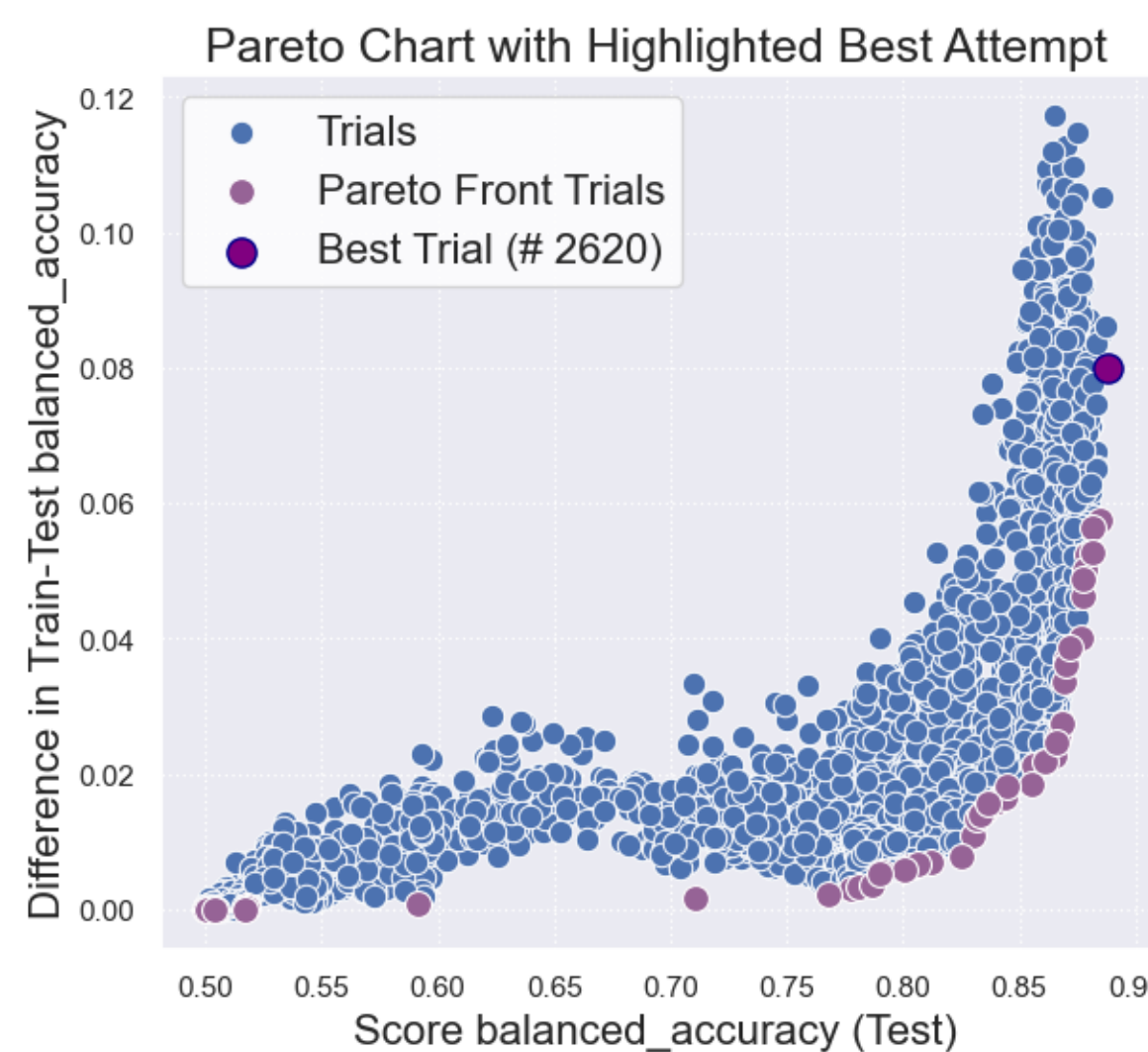
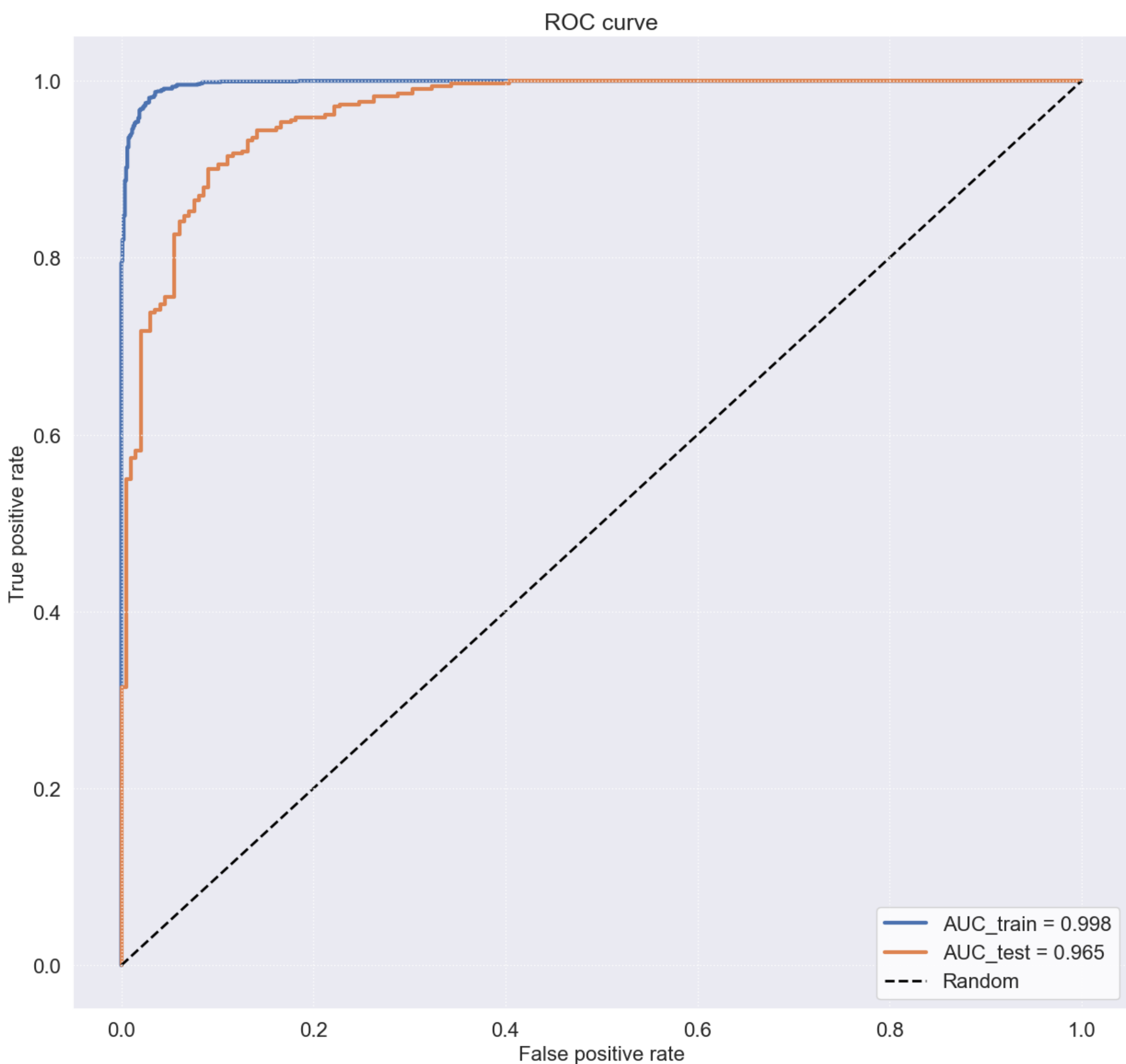
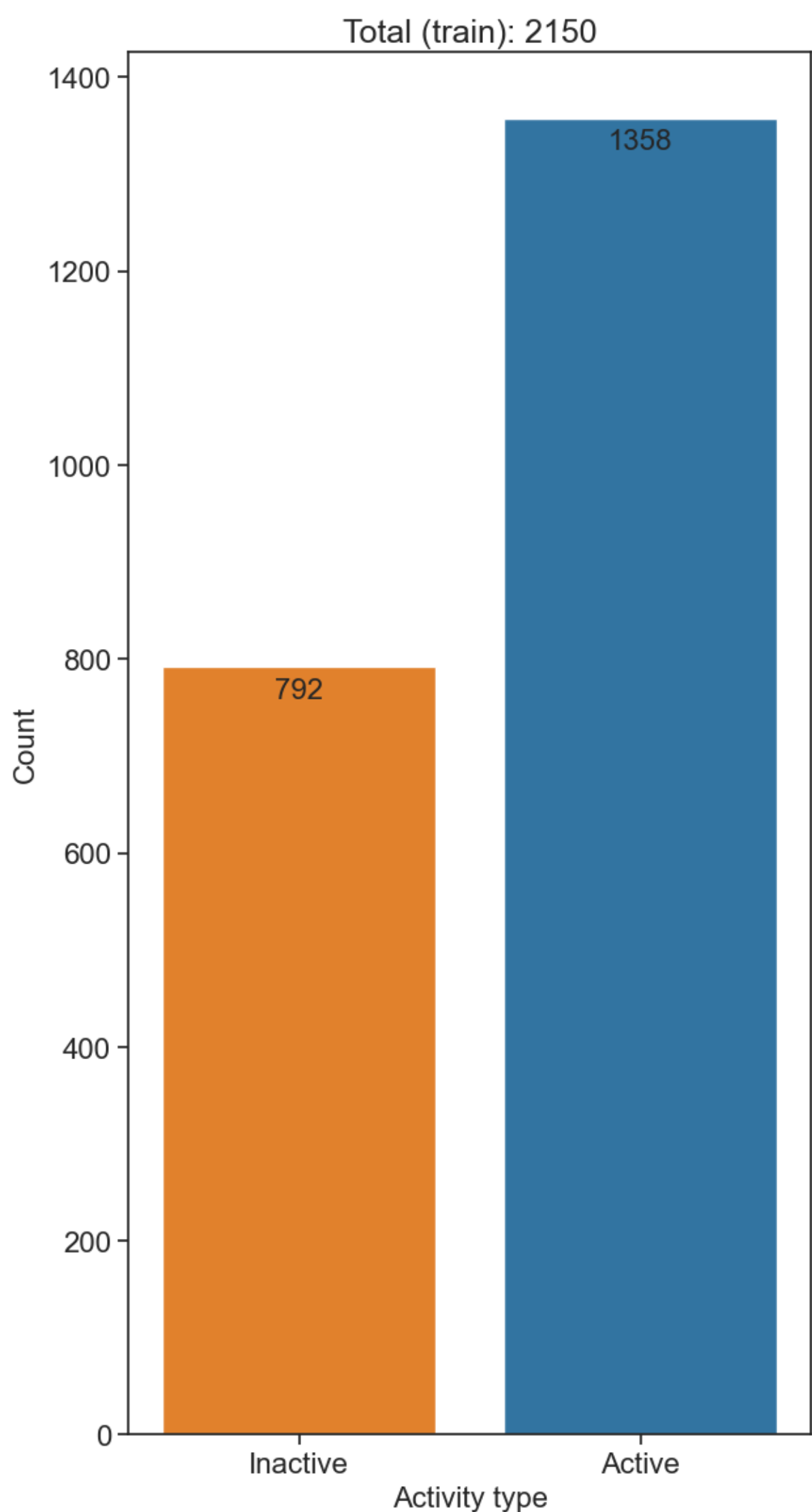
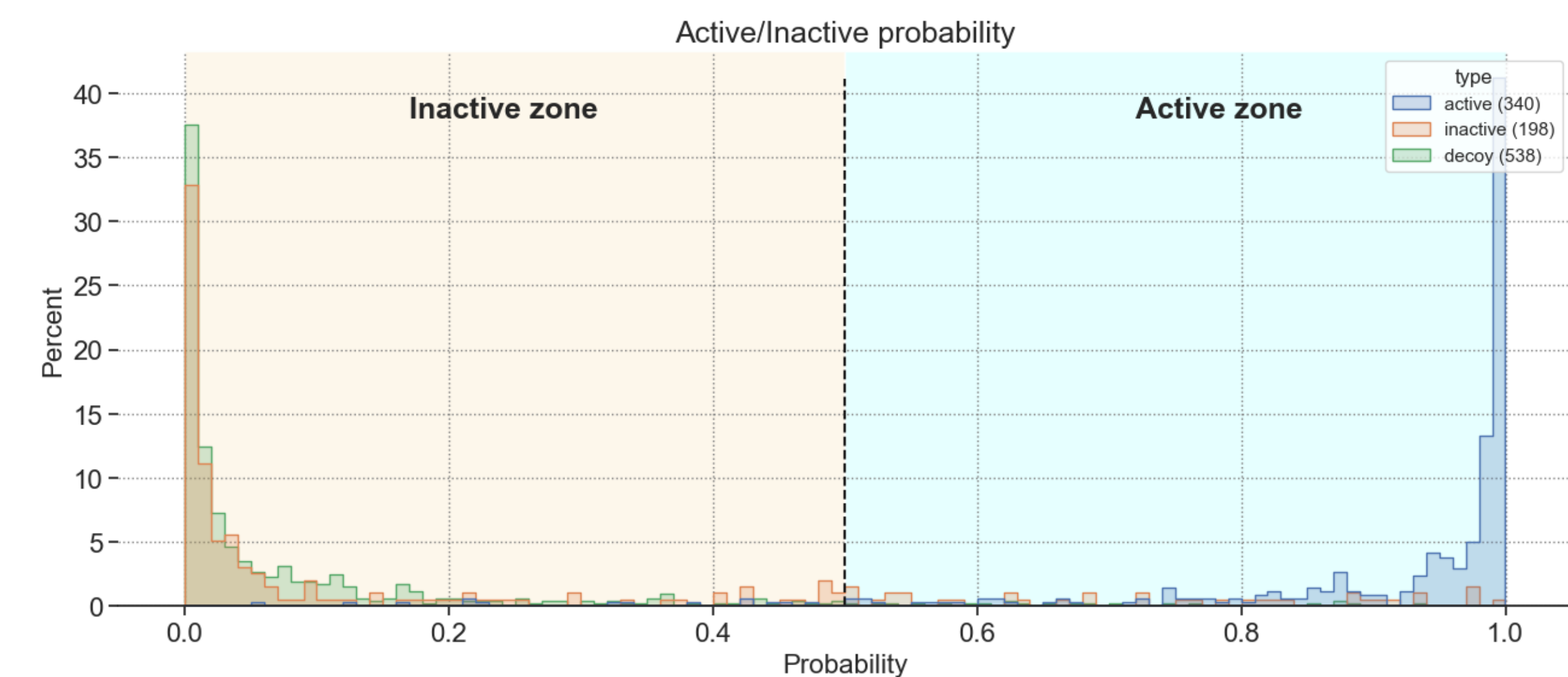
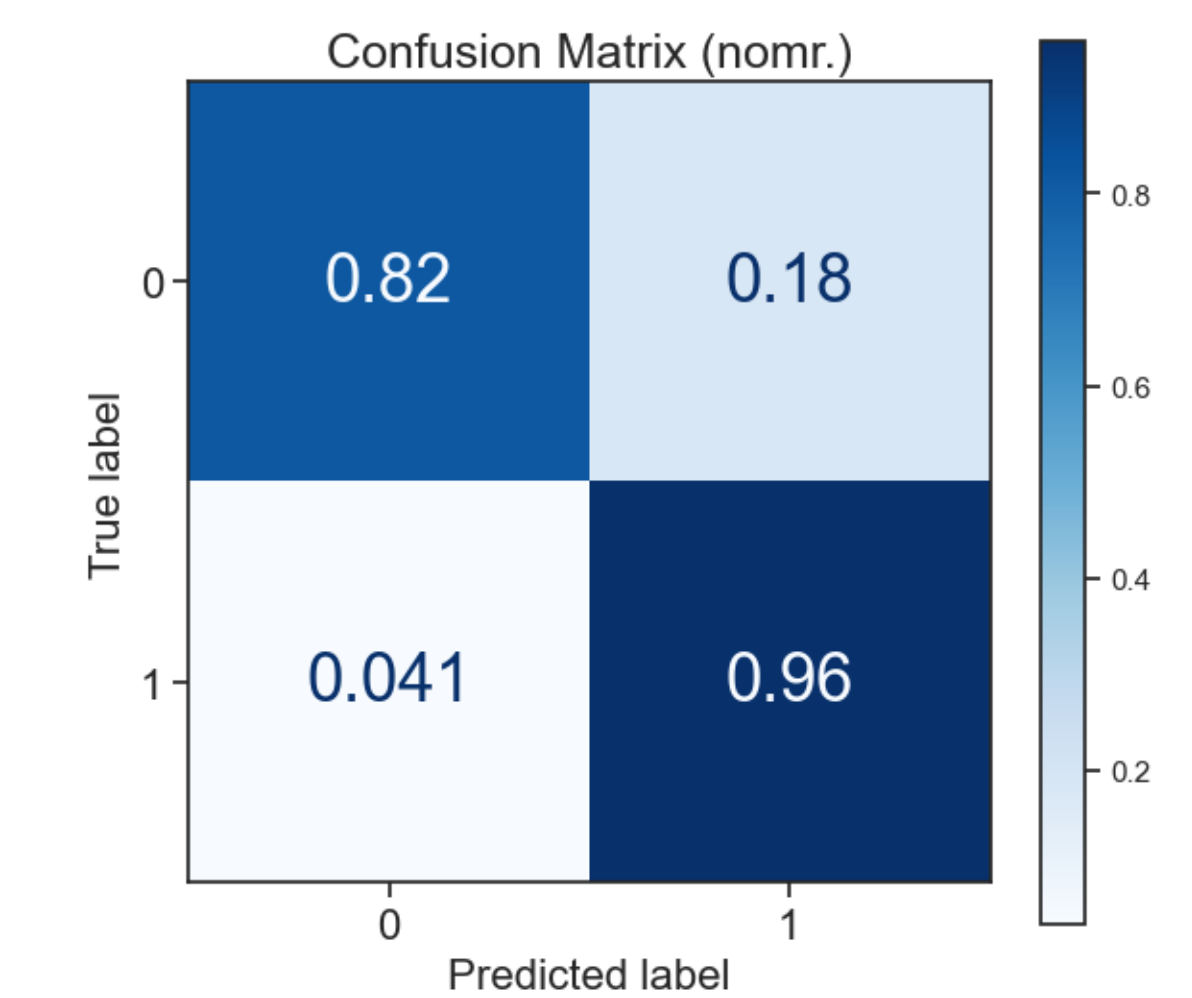
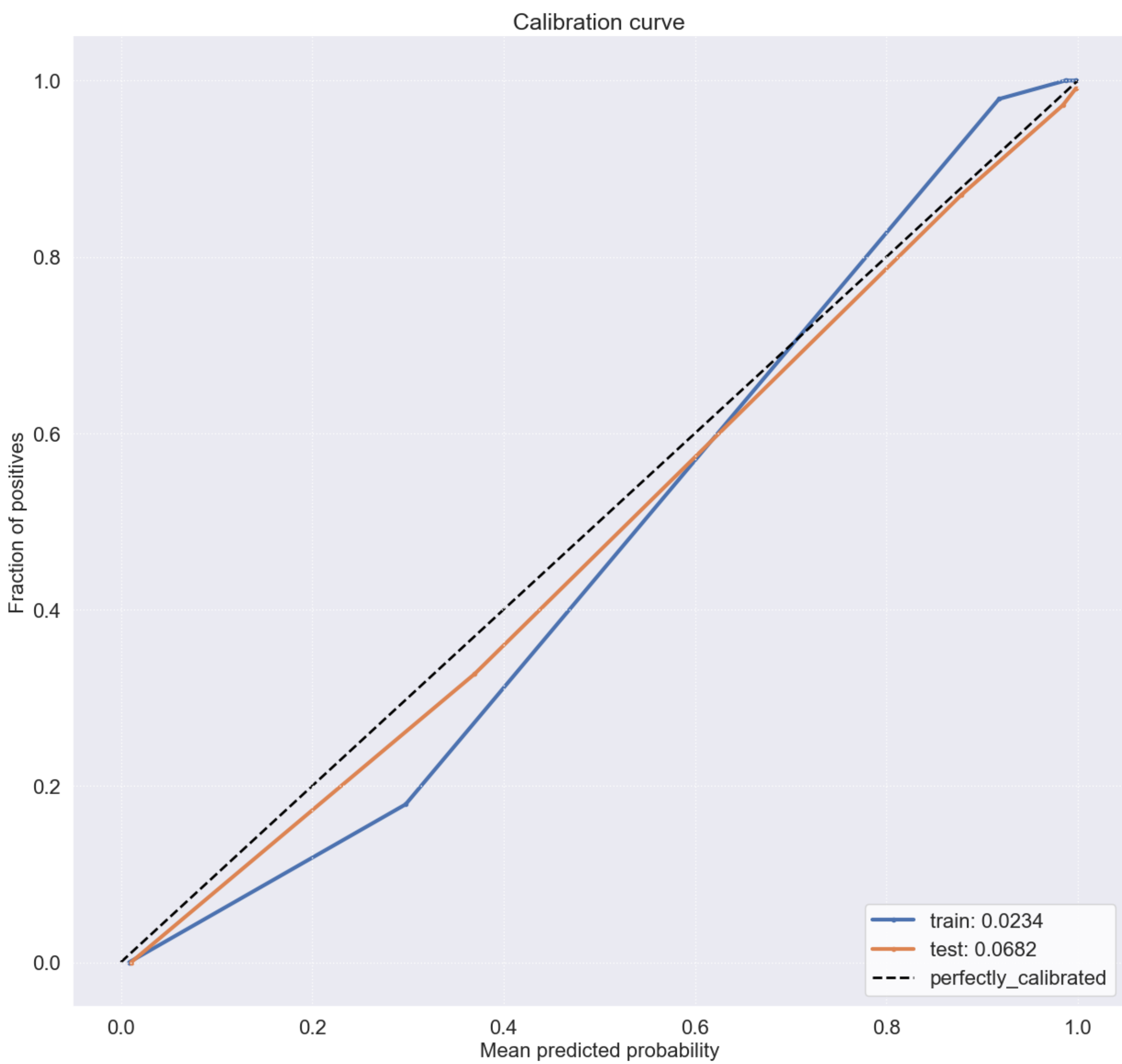
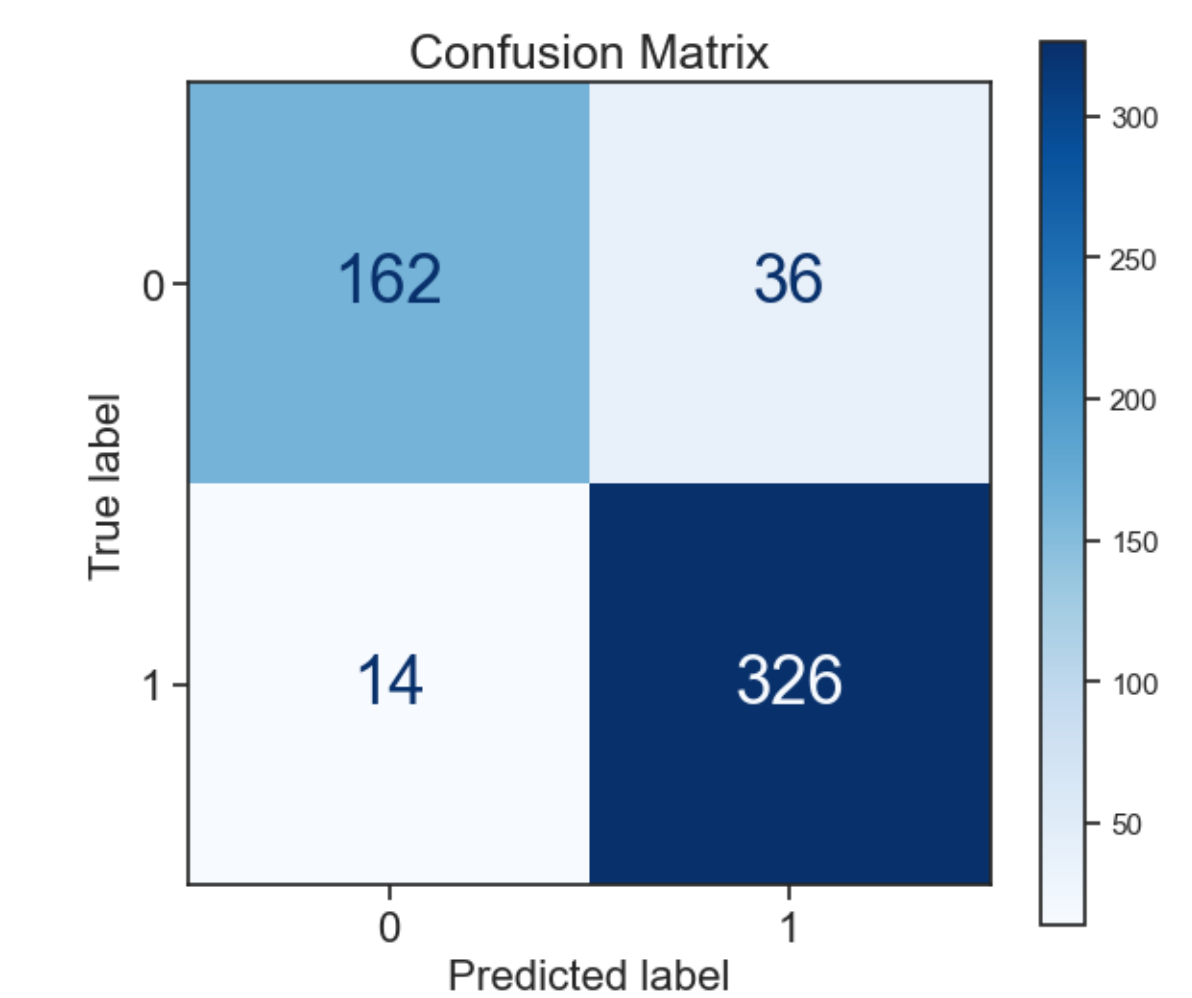


Protein: P03372 - metric: balanced_accuracy

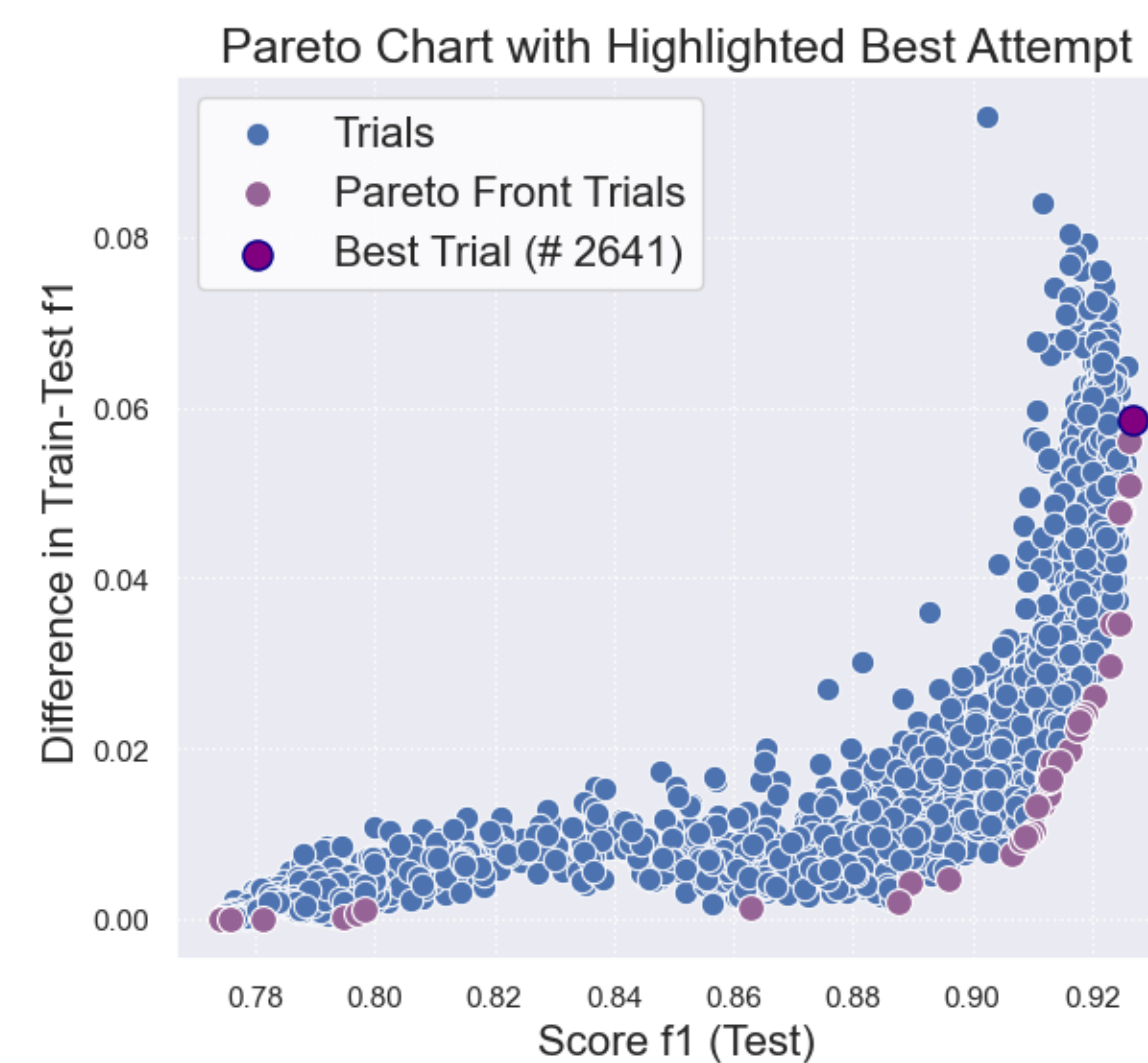
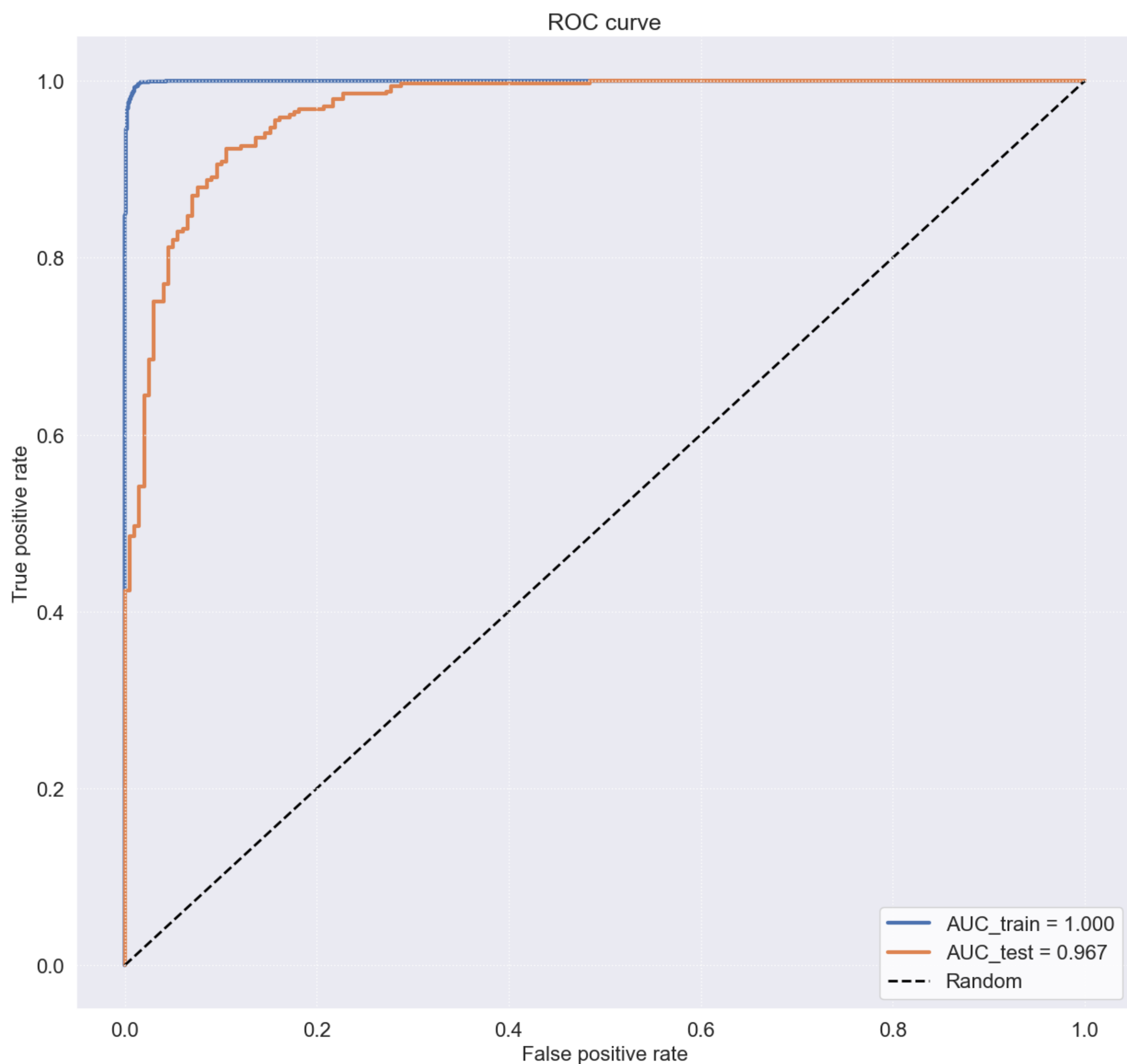
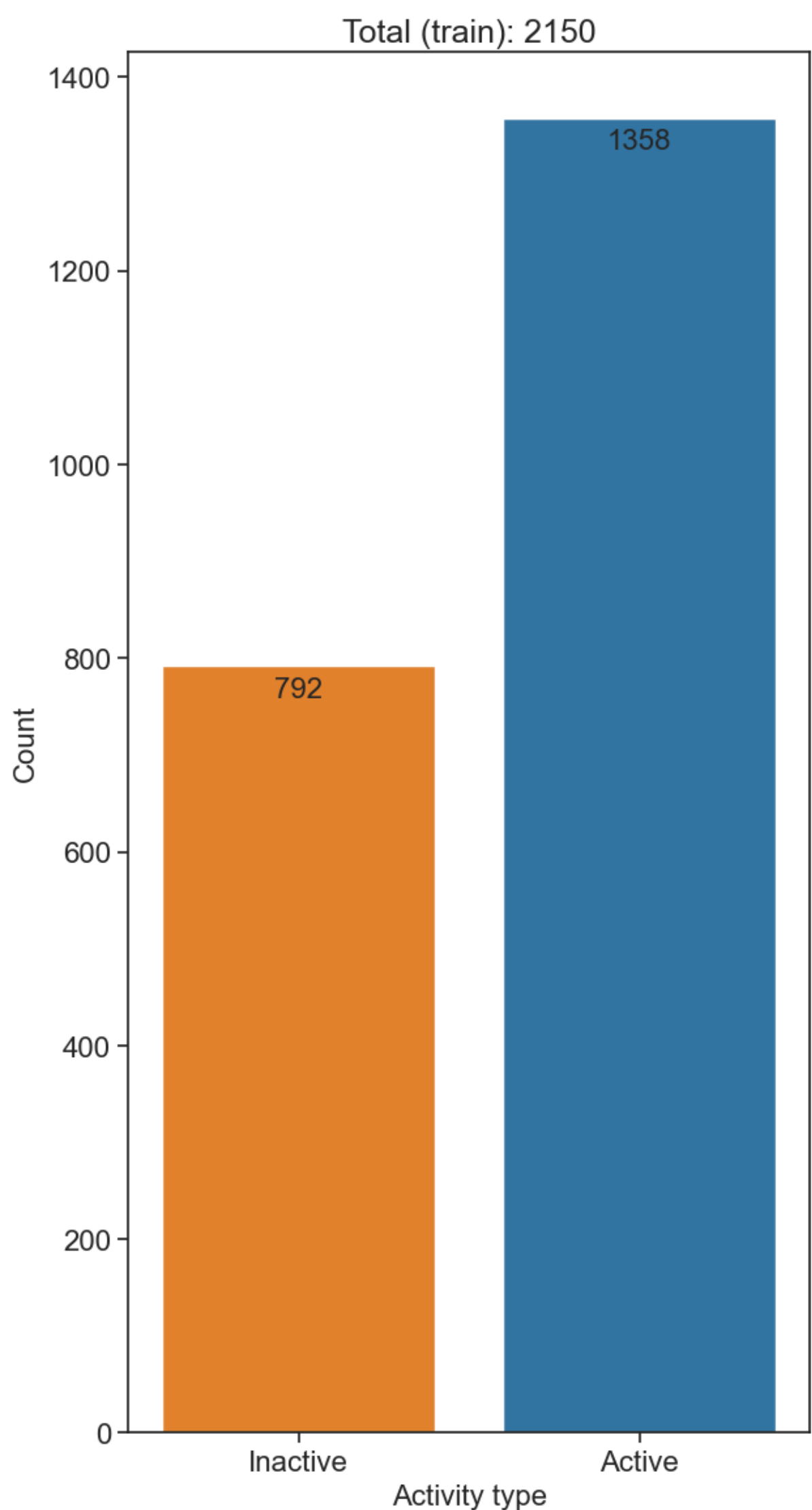


XGBoost Parameters	Value
alpha	1.475
colsample_bytree	0.8453
gamma	0.834
lambda	2.0559
learning_rate	0.078
max_depth	3.0
min_child_weight	1.0
n_estimators	979.0
reg_alpha	0.081
reg_lambda	0.8909
scale_pos_weight	1.3844
subsample	0.5104

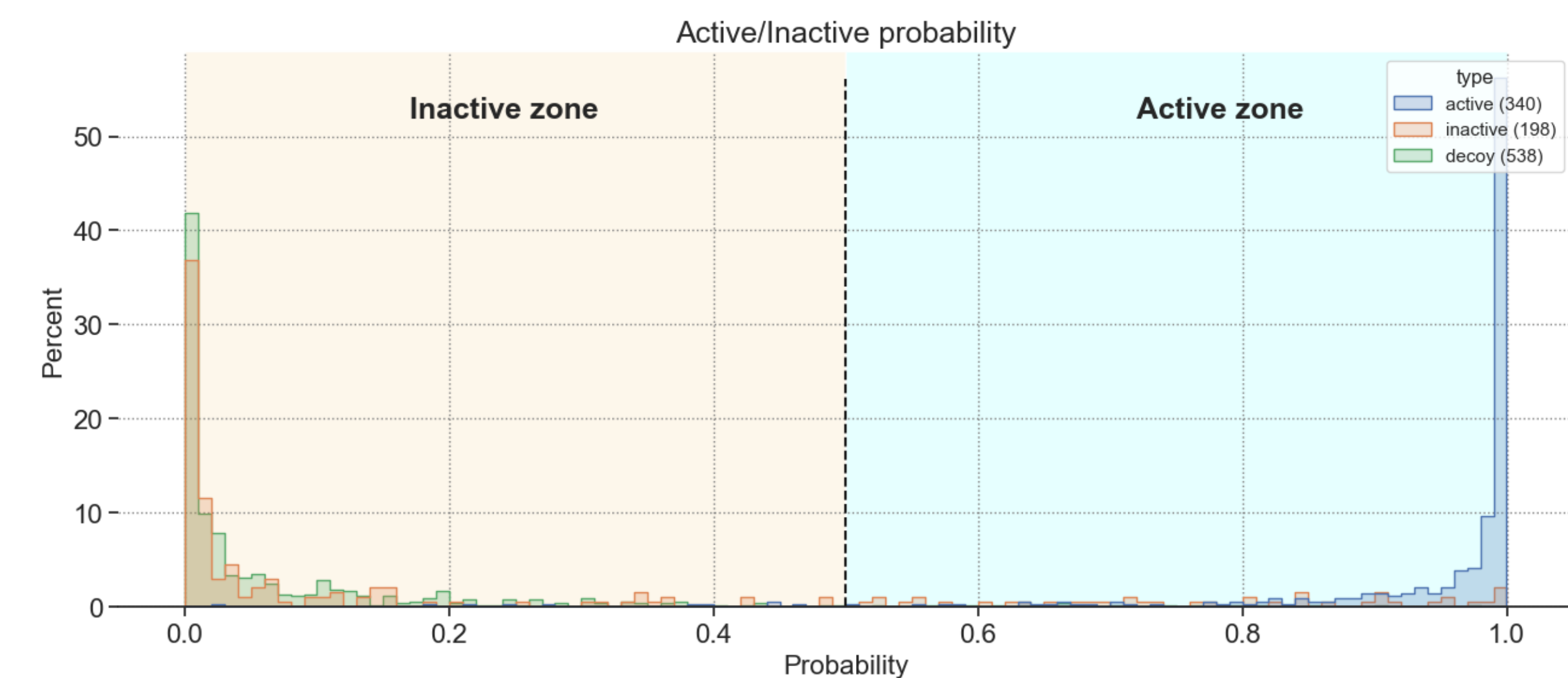
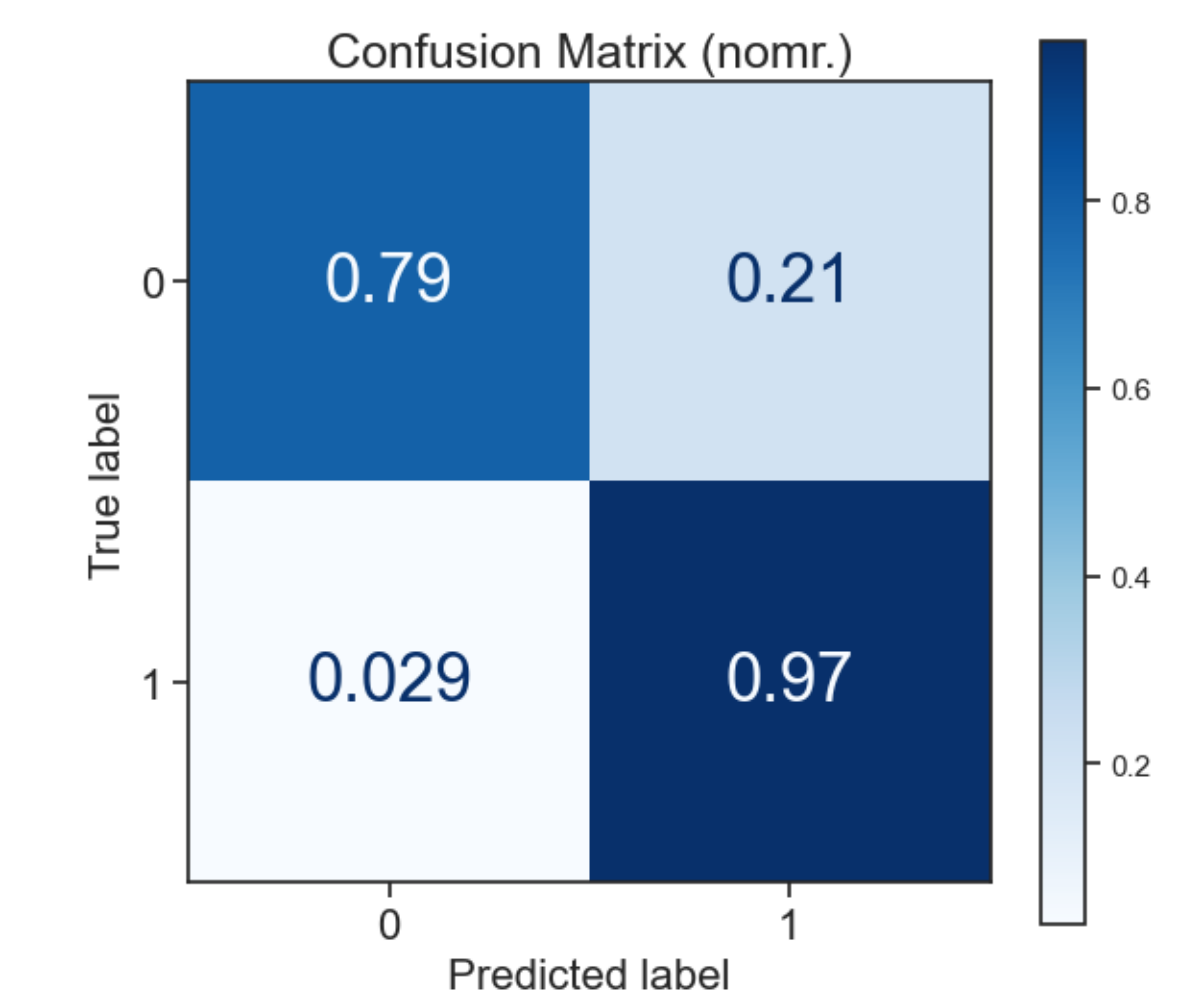
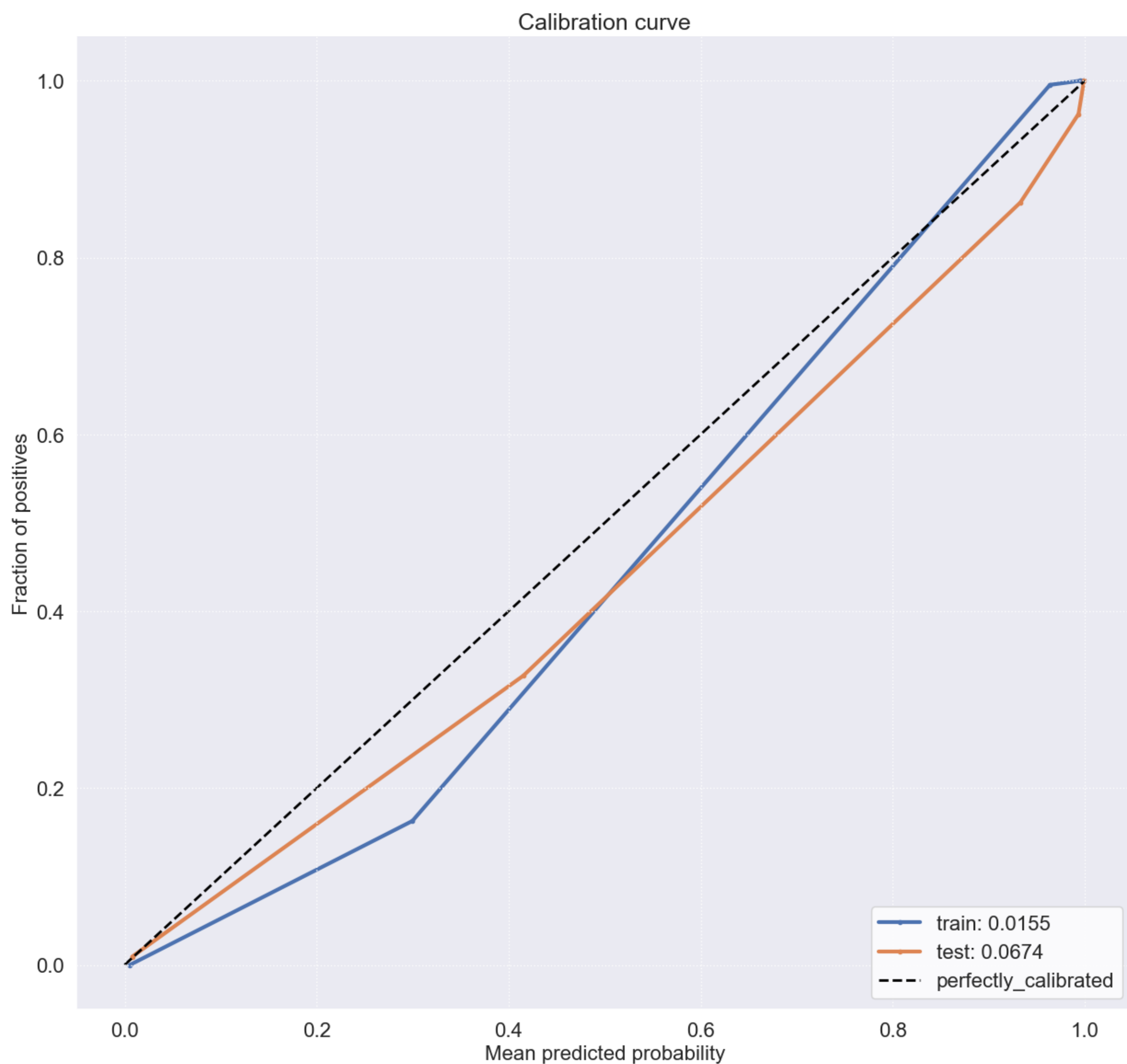
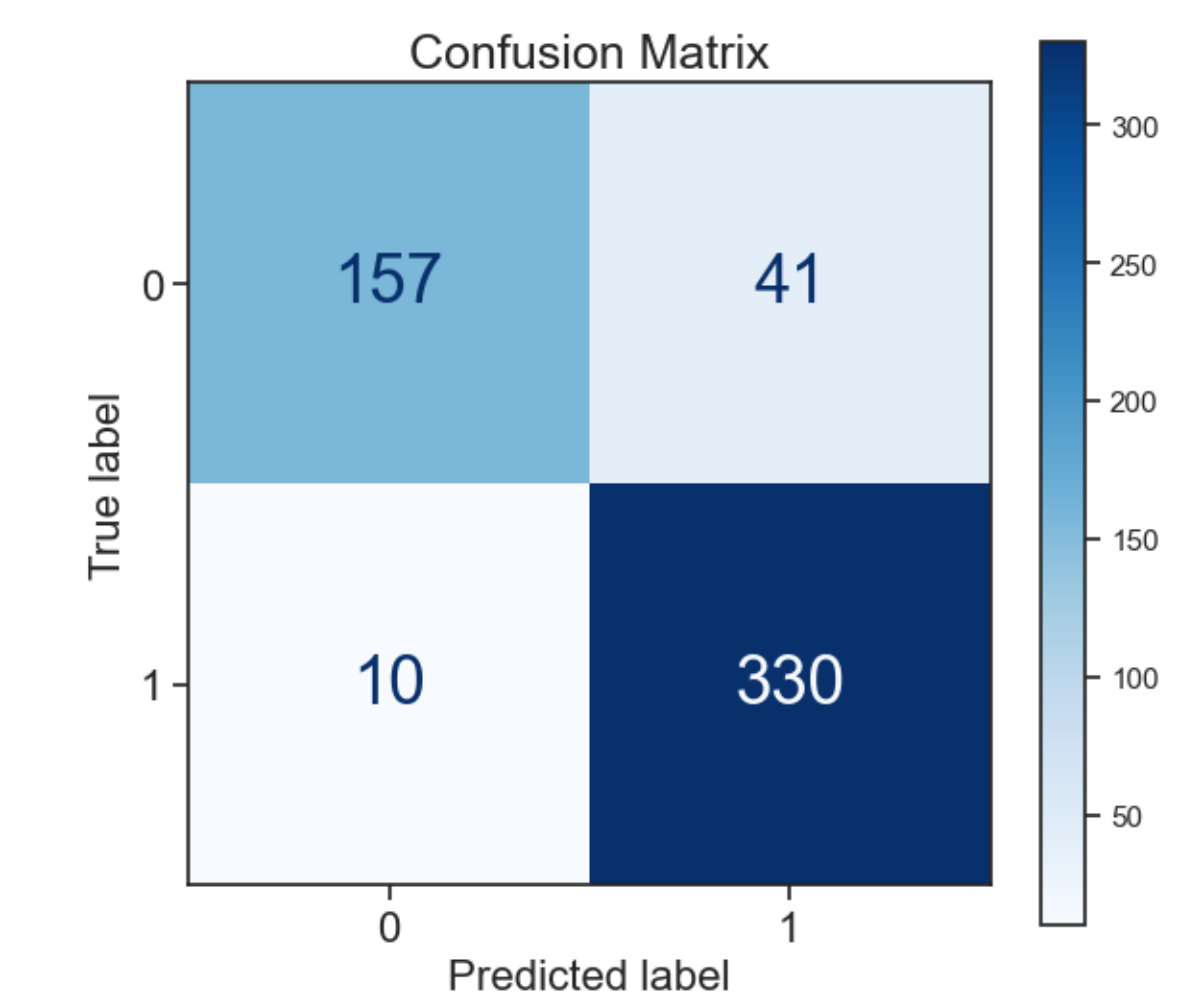


Metric	Train	Test
AUC	0.9975	0.9654
accuracy	0.9758	0.9071
balanced accuracy	0.9688	0.8885
recall_(sens)	0.9956	0.9588
specificity	0.9419	0.8182
precision	0.9671	0.9006
f1_score	0.9757	0.9058

Protein: P03372 - metric: f1

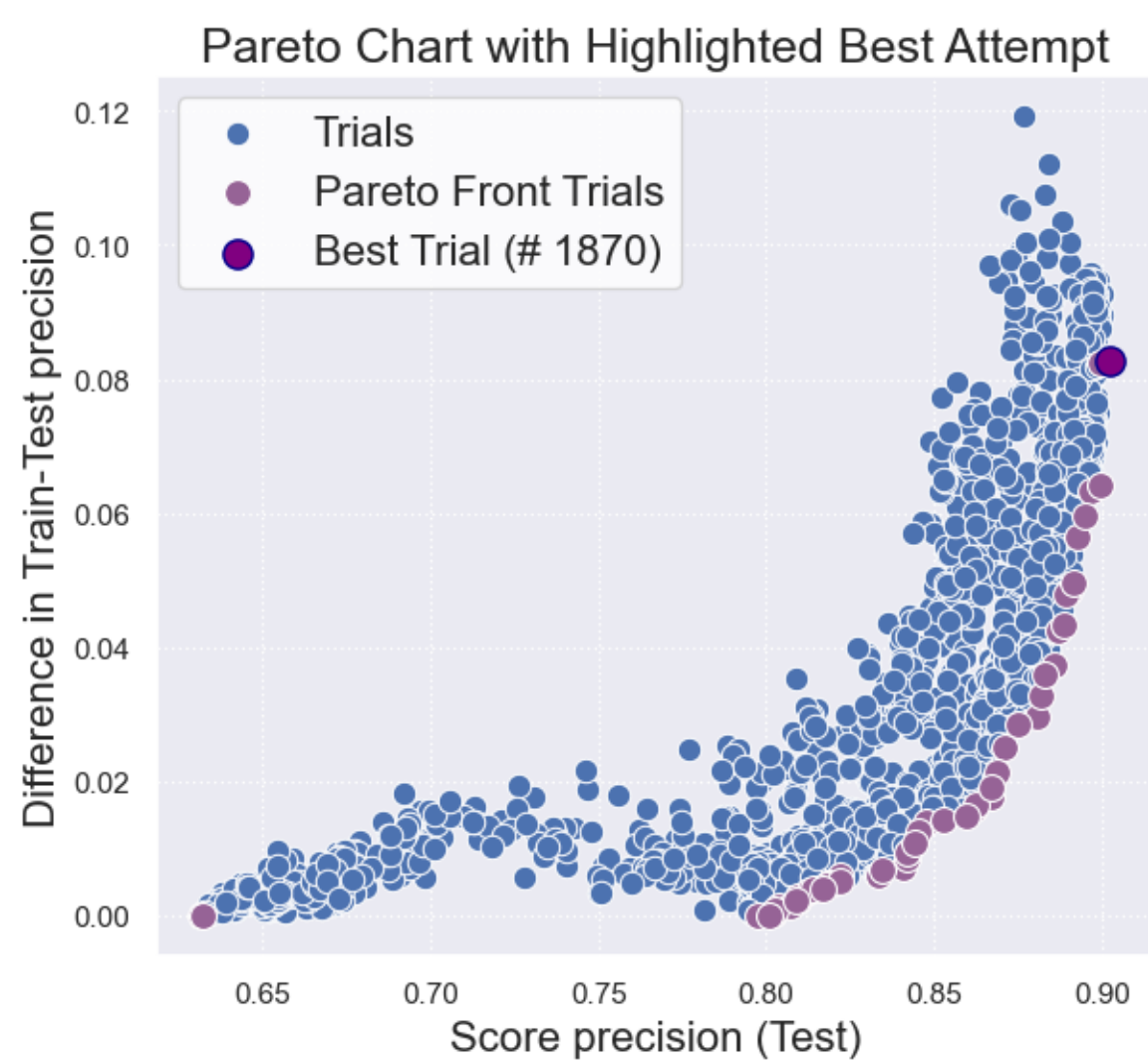
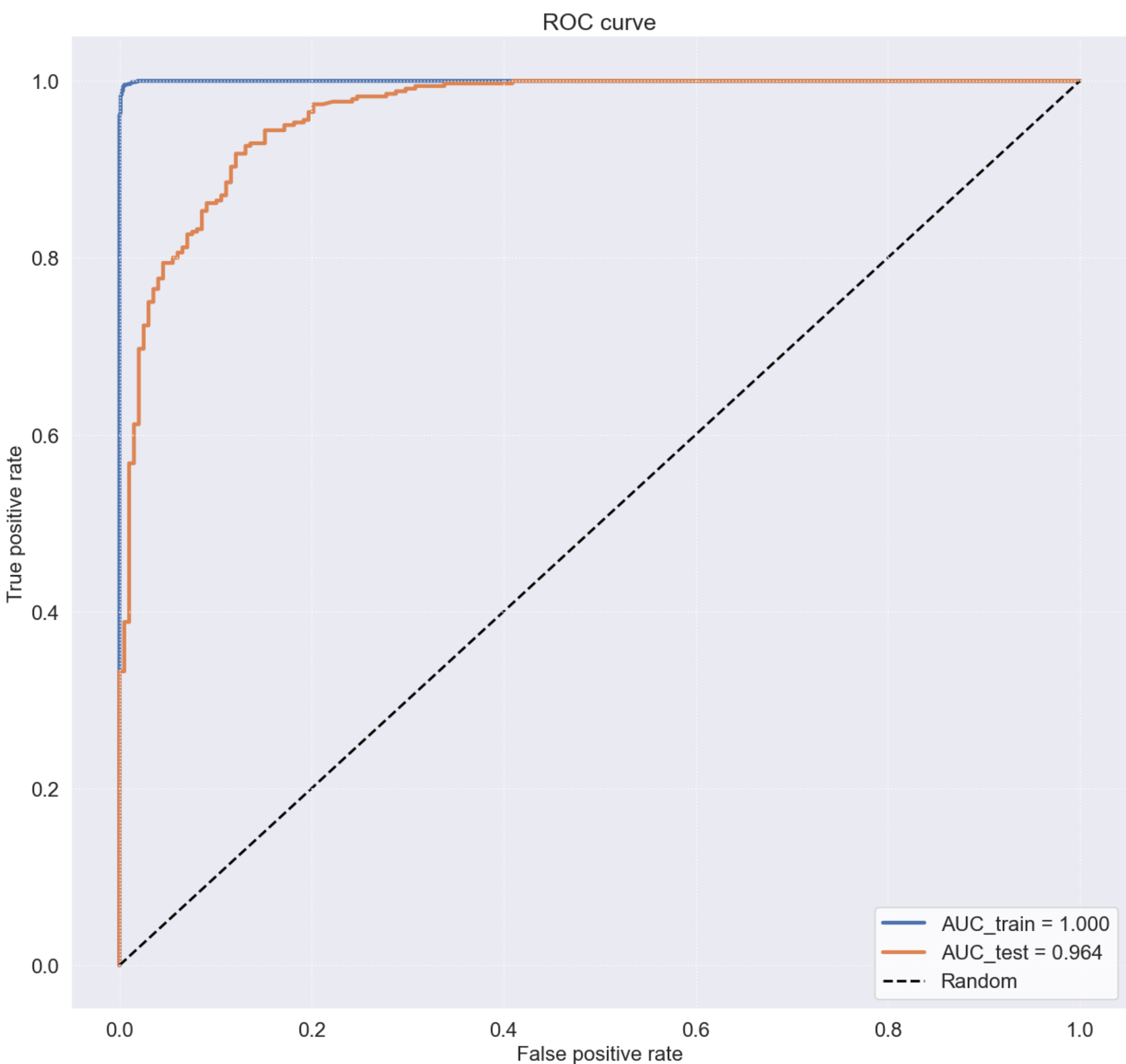
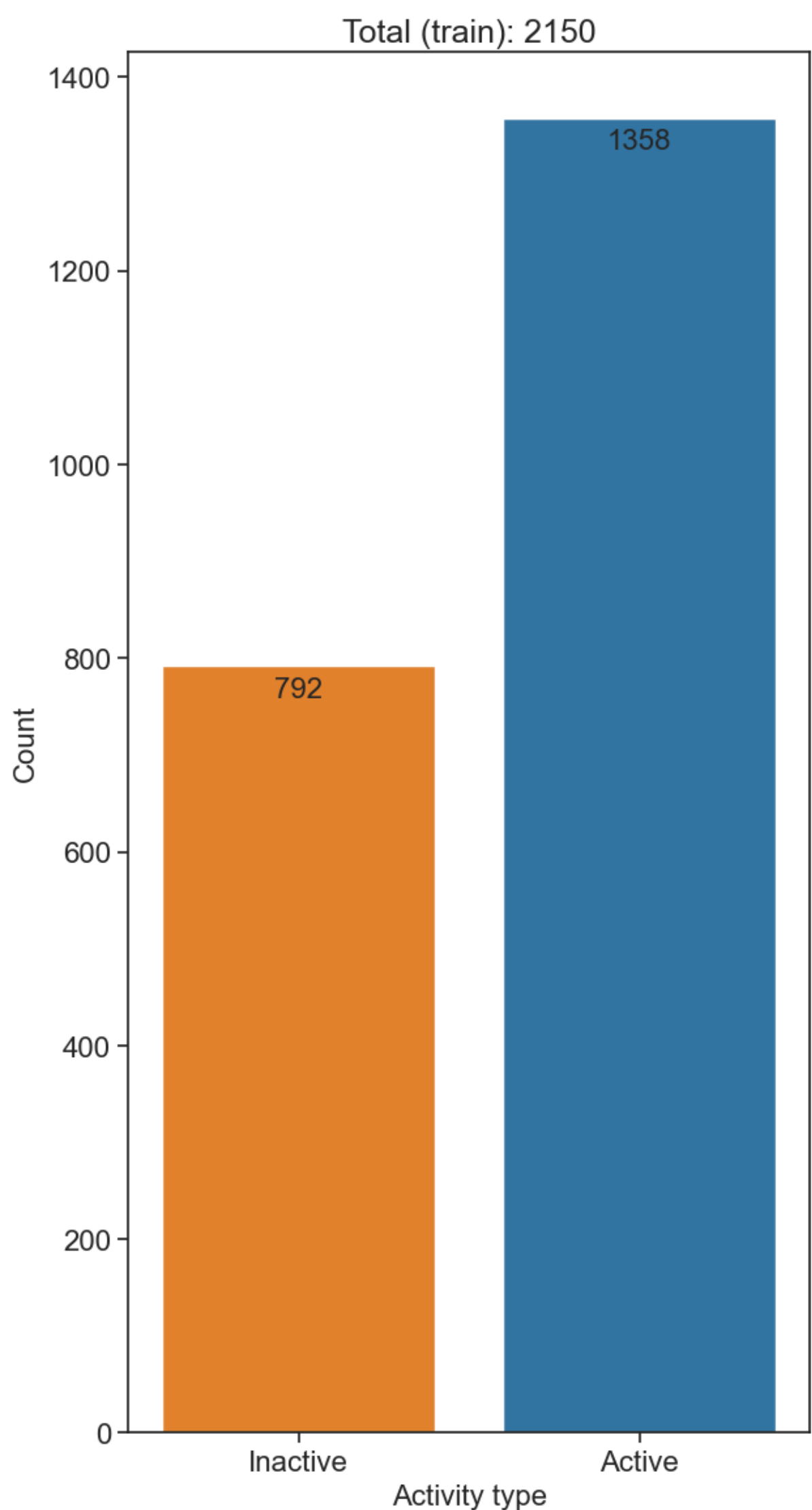


XGBoost Parameters	Value
alpha	4.9598
colsample_bytree	0.5145
gamma	0.99
lambda	0.3936
learning_rate	0.1089
max_depth	7.0
min_child_weight	1.0
n_estimators	789.0
reg_alpha	0.2189
reg_lambda	0.6804
scale_pos_weight	2.5442
subsample	0.5926

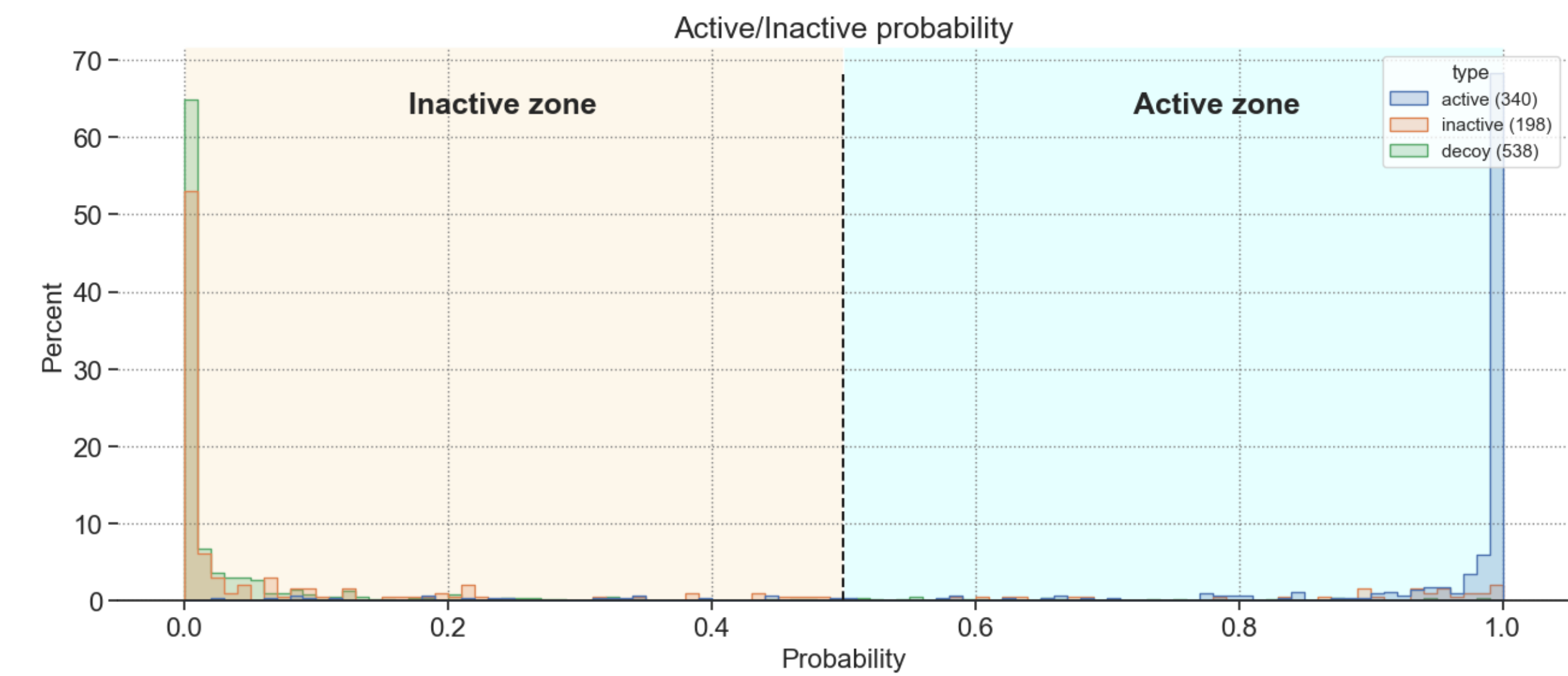
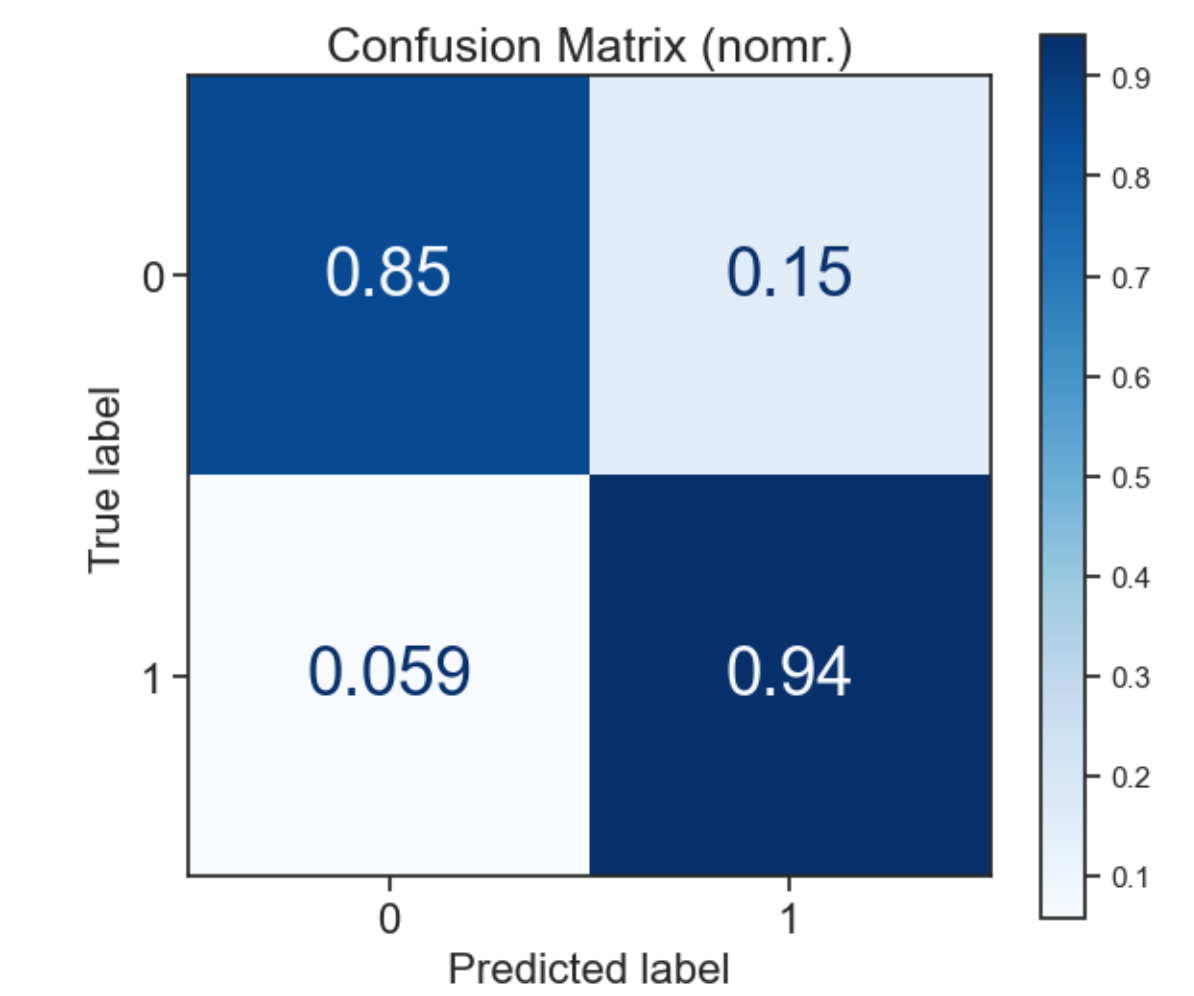
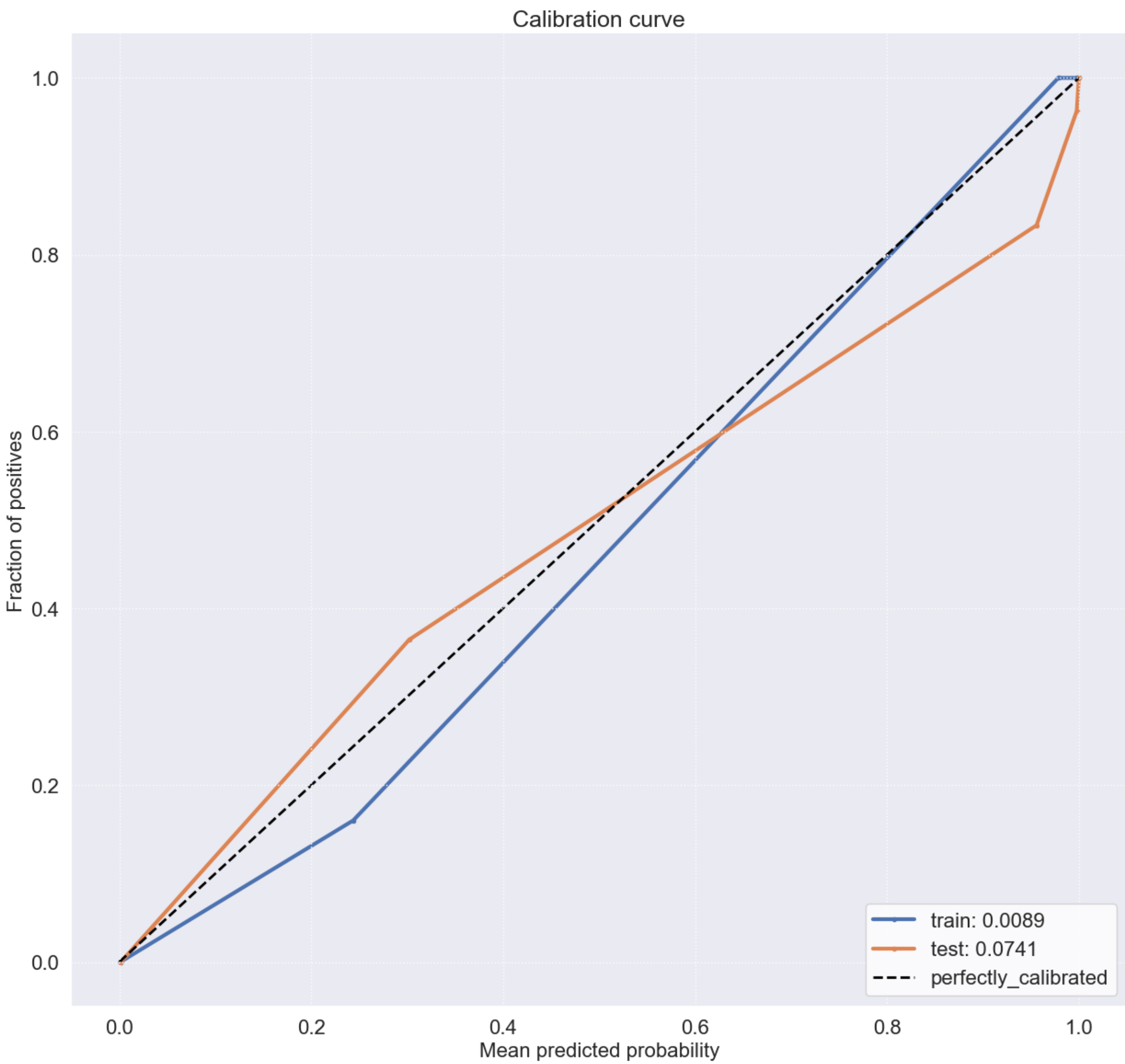
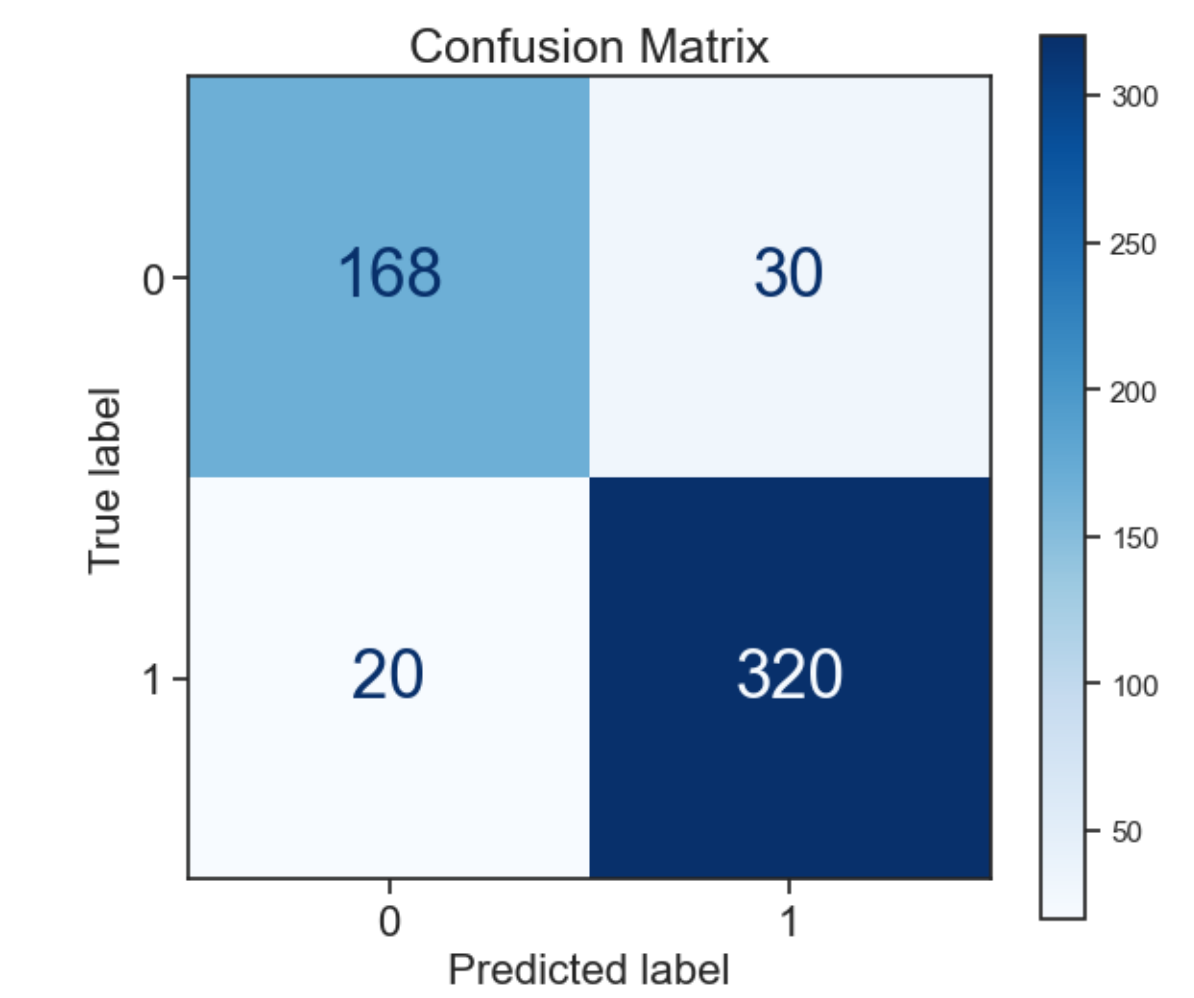


Metric	Train	Test
AUC	0.9995	0.9671
accuracy	0.9828	0.9052
balanced accuracy	0.9766	0.8818
recall_(sens)	1.0	0.9706
specificity	0.9533	0.7929
precision	0.9735	0.8895
f1_score	0.9827	0.9032

Protein: P03372 - metric: precision

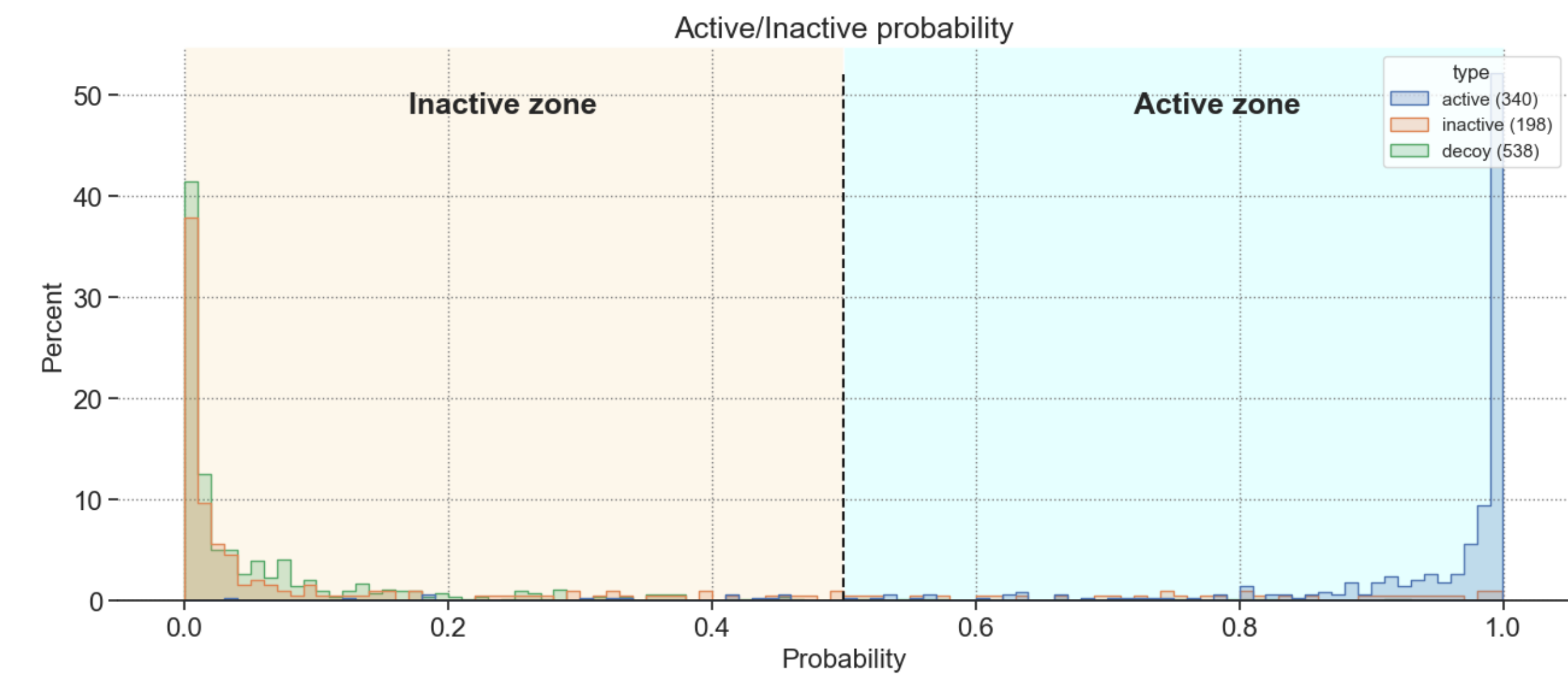
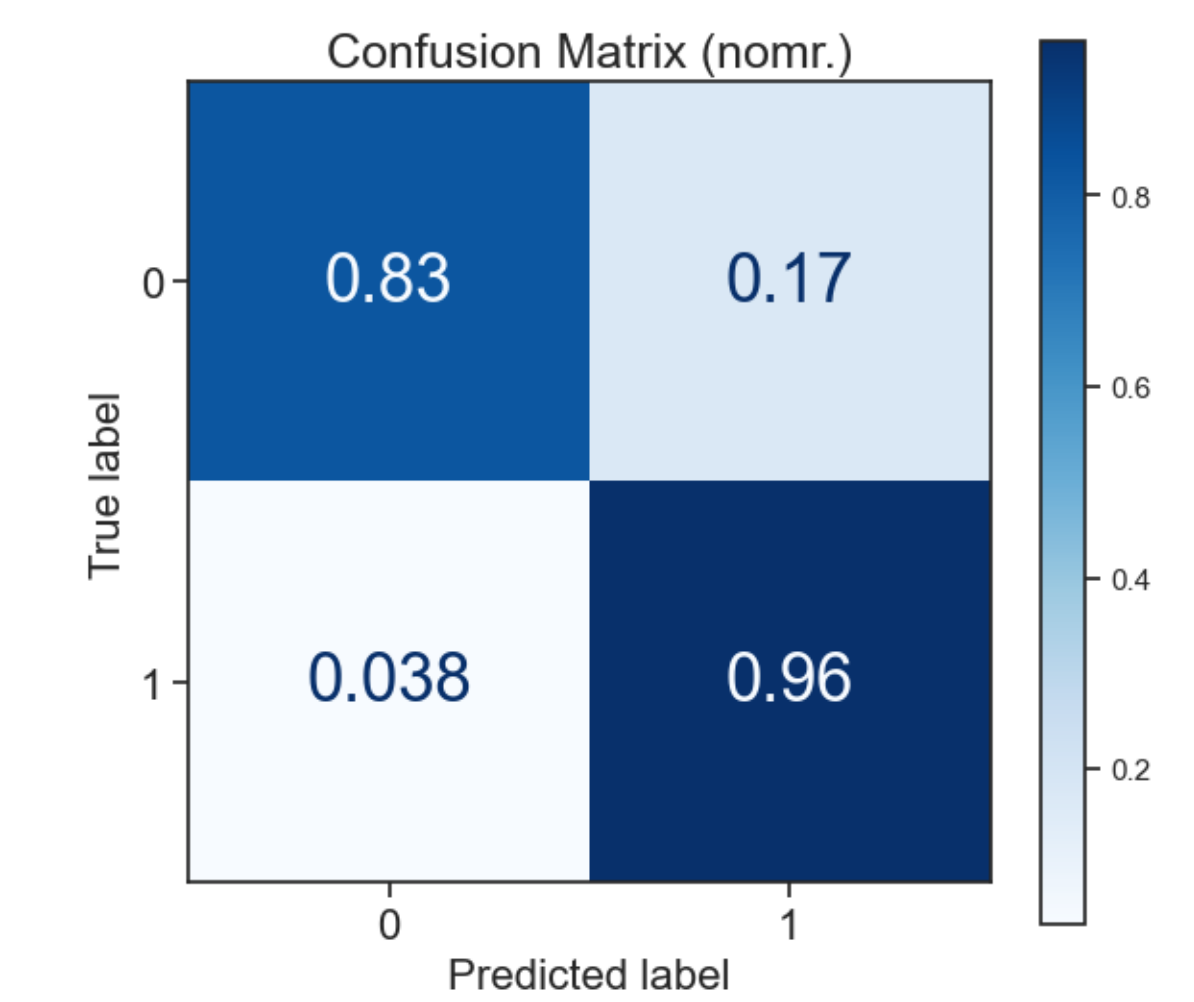
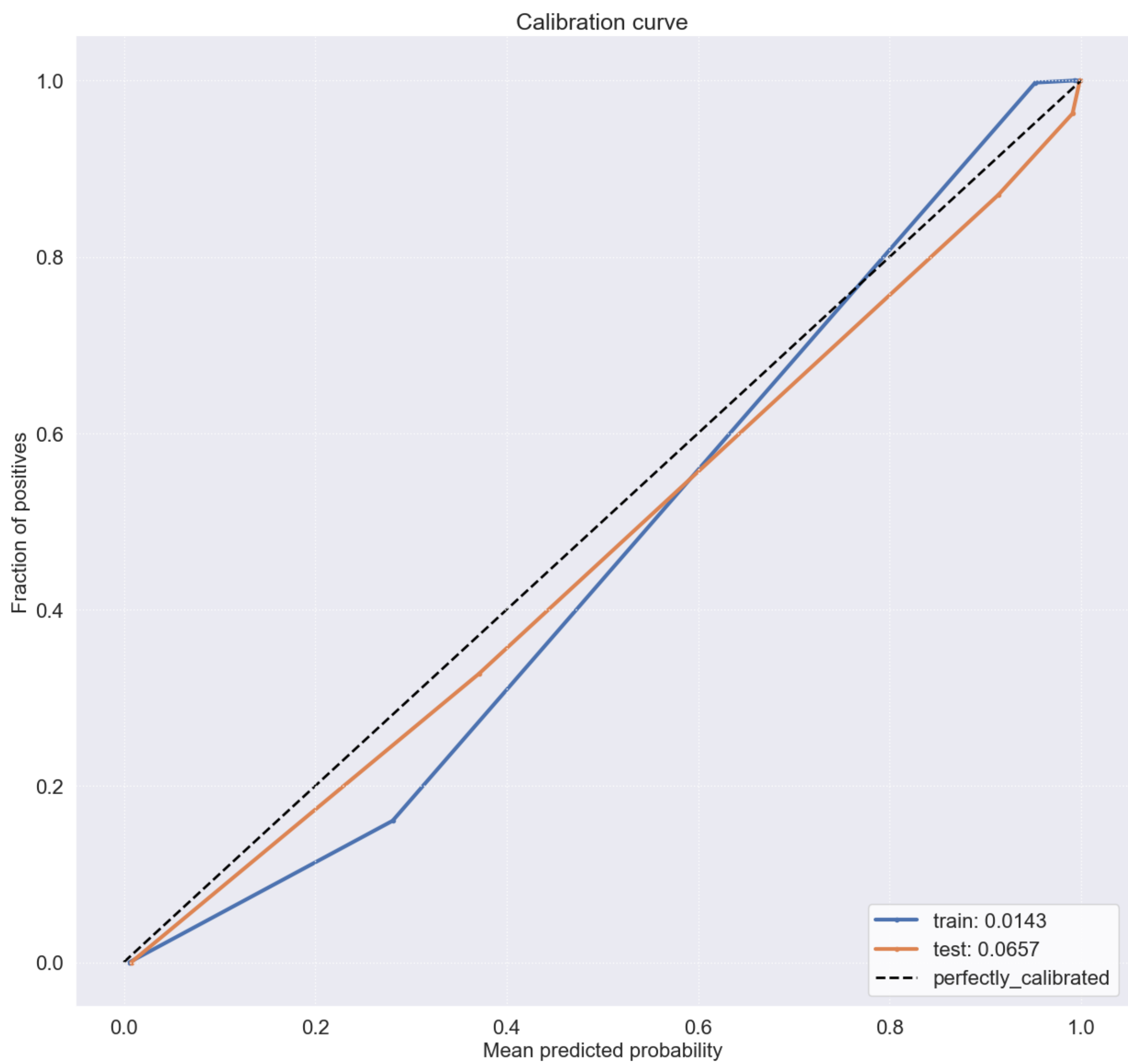
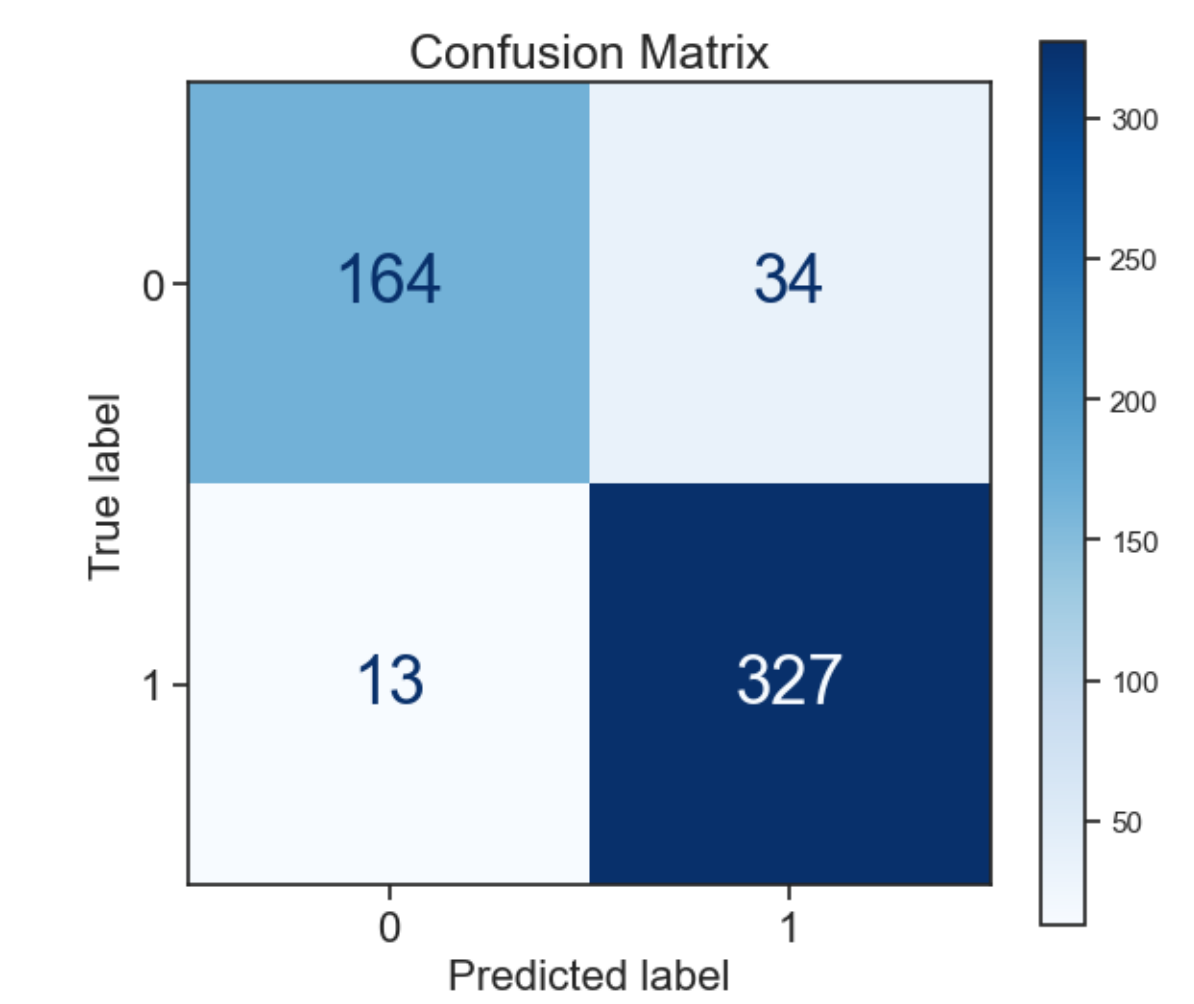
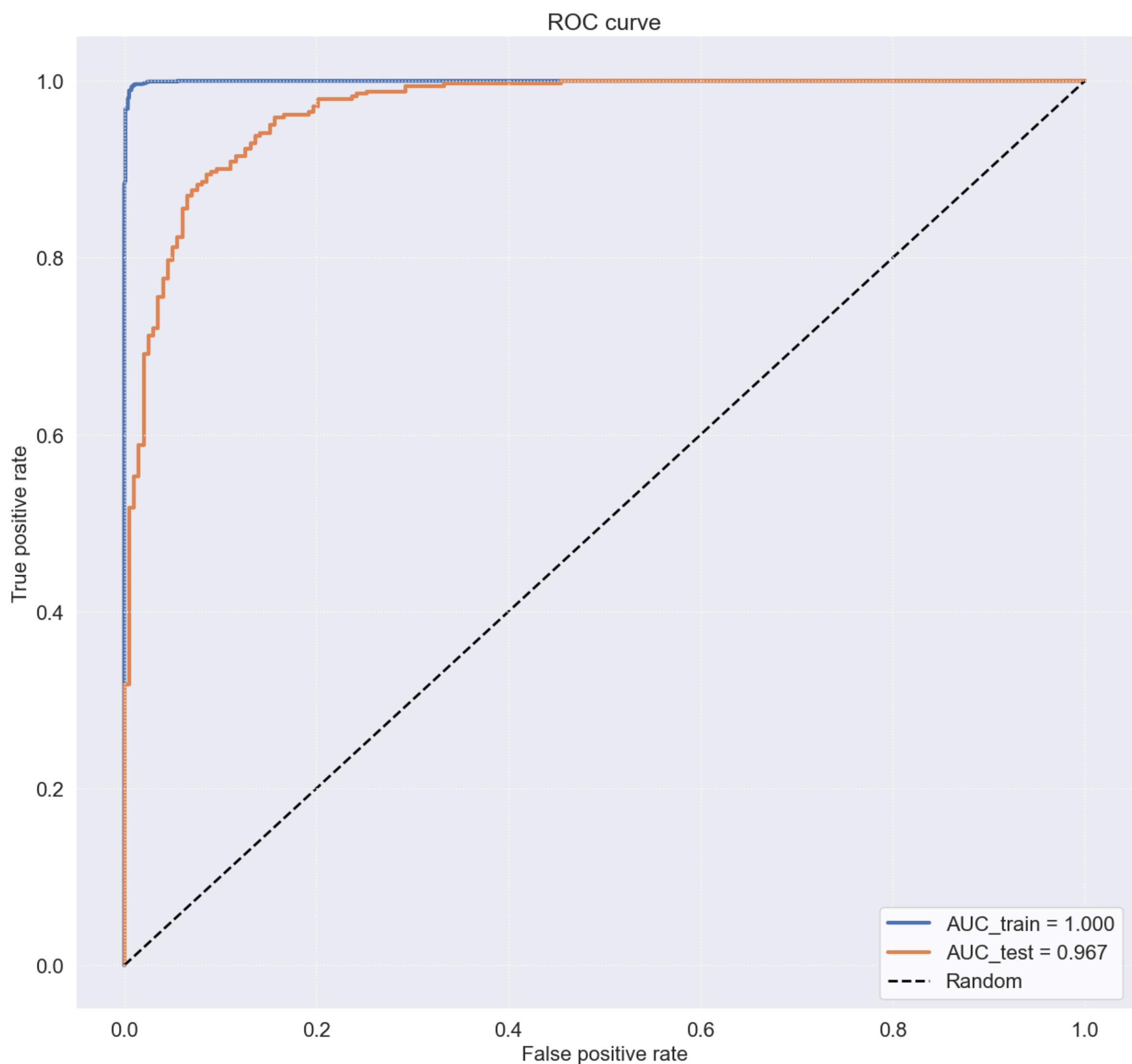
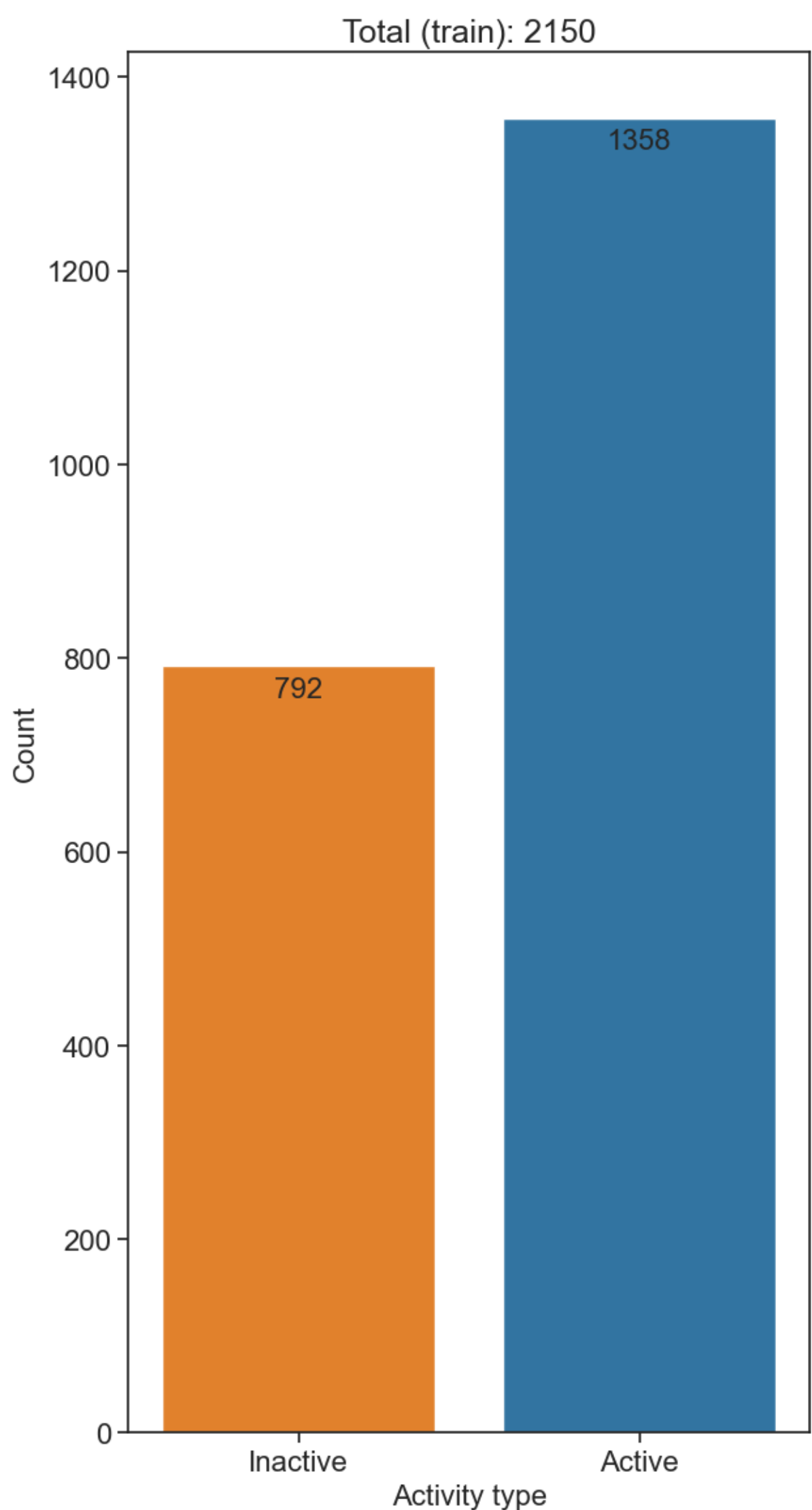


XGBoost Parameters	Value
alpha	1.5539
colsample_bytree	0.7007
gamma	0.0113
lambda	0.9664
learning_rate	0.2098
max_depth	6.0
min_child_weight	3.0
n_estimators	720.0
reg_alpha	0.4591
reg_lambda	0.1916
scale_pos_weight	2.3446
subsample	0.5905



Metric	Train	Test
AUC	0.9999	0.9636
accuracy	0.9893	0.9071
balanced accuracy	0.9855	0.8948
recall_(sens)	1.0	0.9412
specificity	0.971	0.8485
precision	0.9833	0.9143
f1_score	0.9893	0.9065

Protein: P03372 - metric: SoftVotingXGBoostEnsemble



Metric	Train	Test
AUC	0.9996	0.9674
accuracy	0.9828	0.9126
balanced accuracy	0.9769	0.895
recall_(sens)	0.9993	0.9618
specificity	0.9545	0.8283
precision	0.9742	0.9058
f1_score	0.9827	0.9115