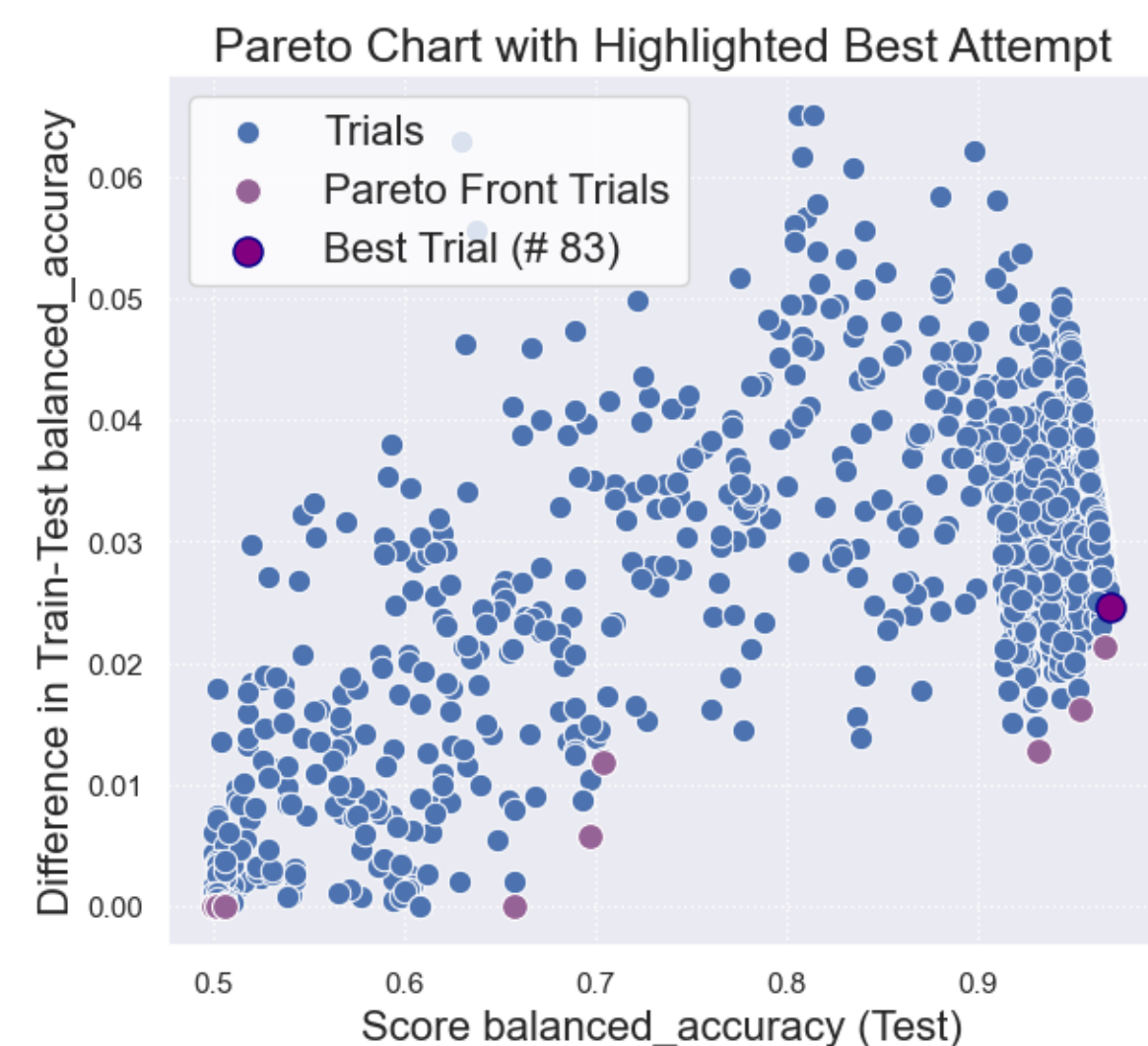
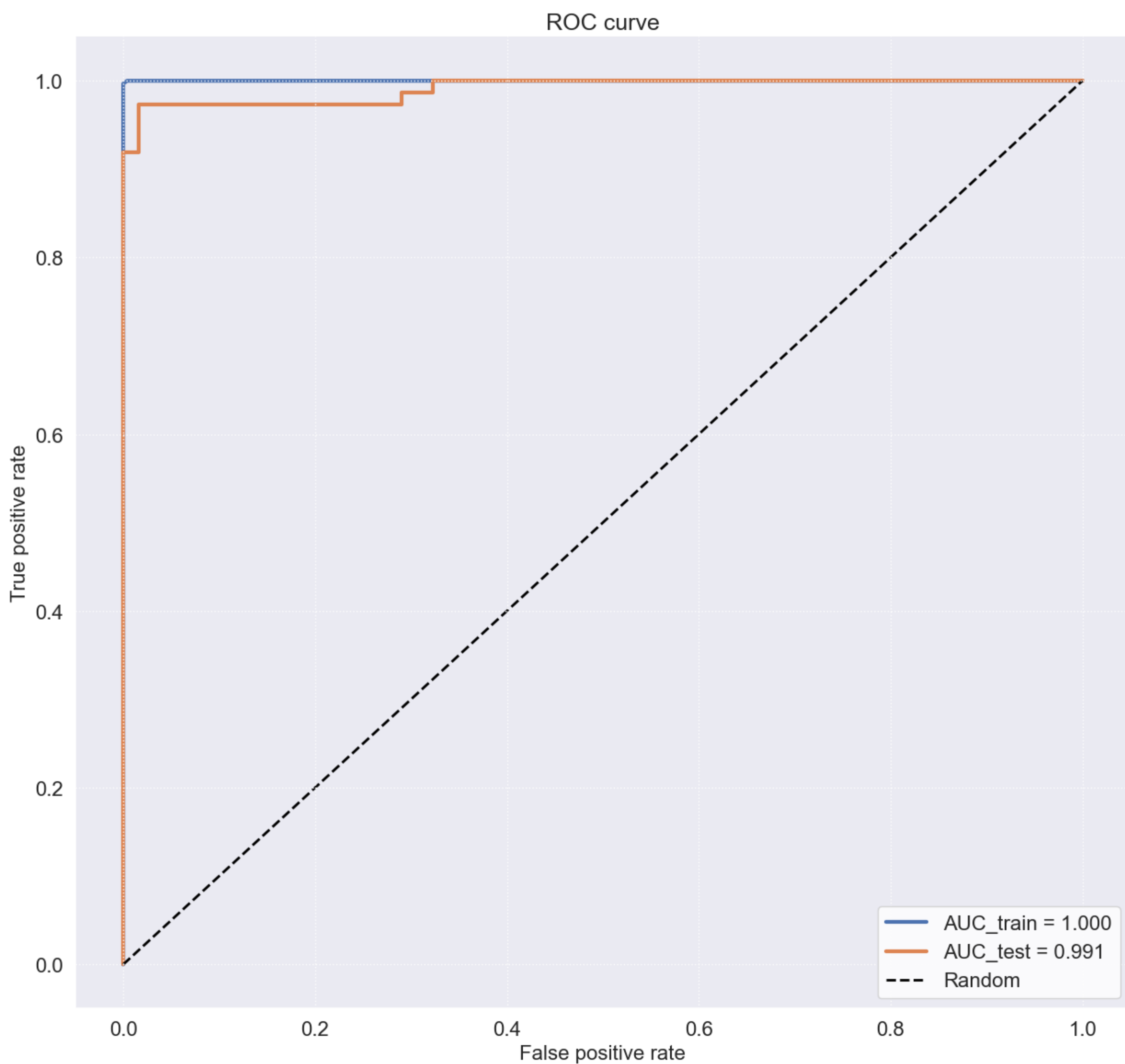
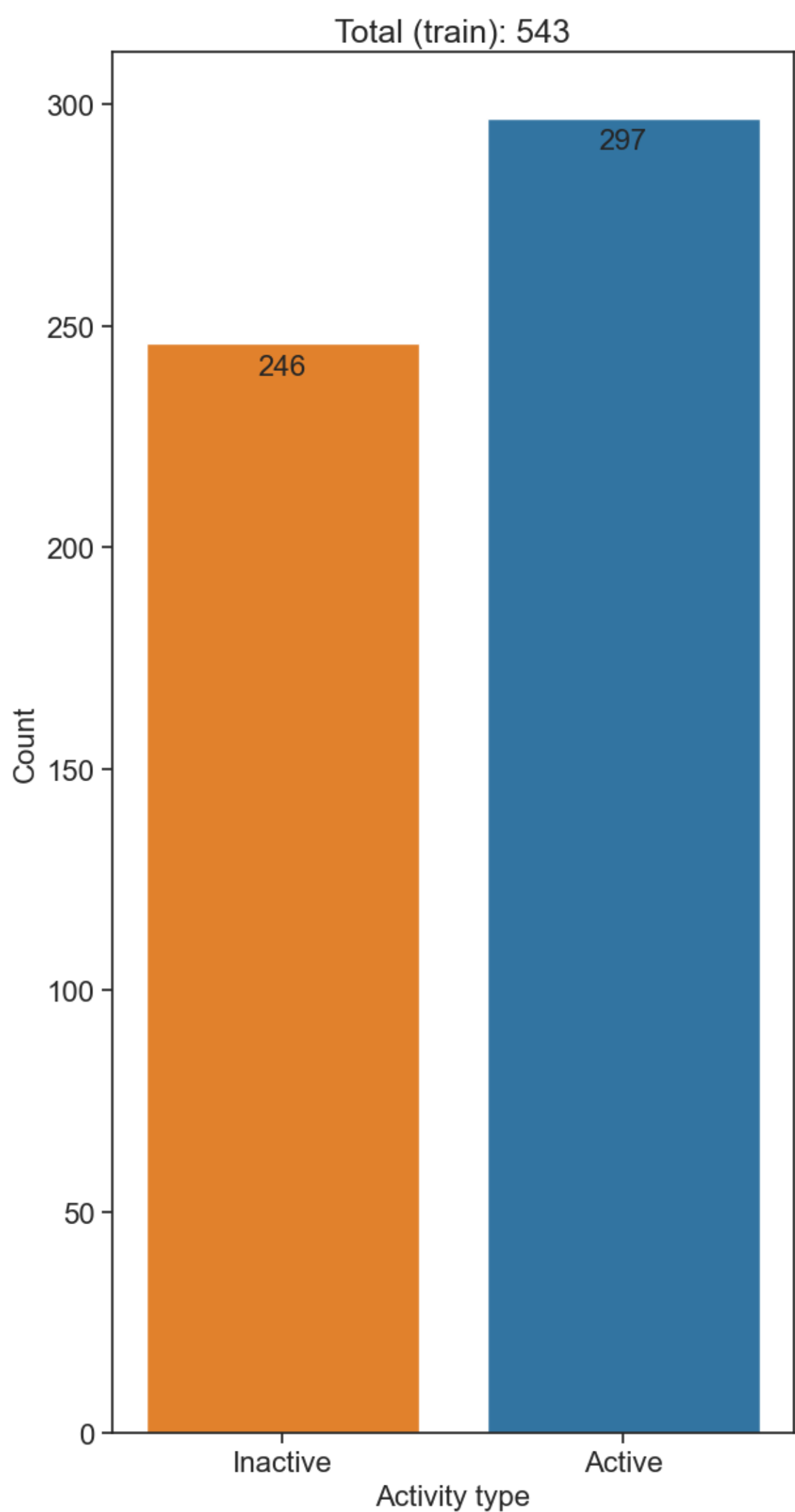
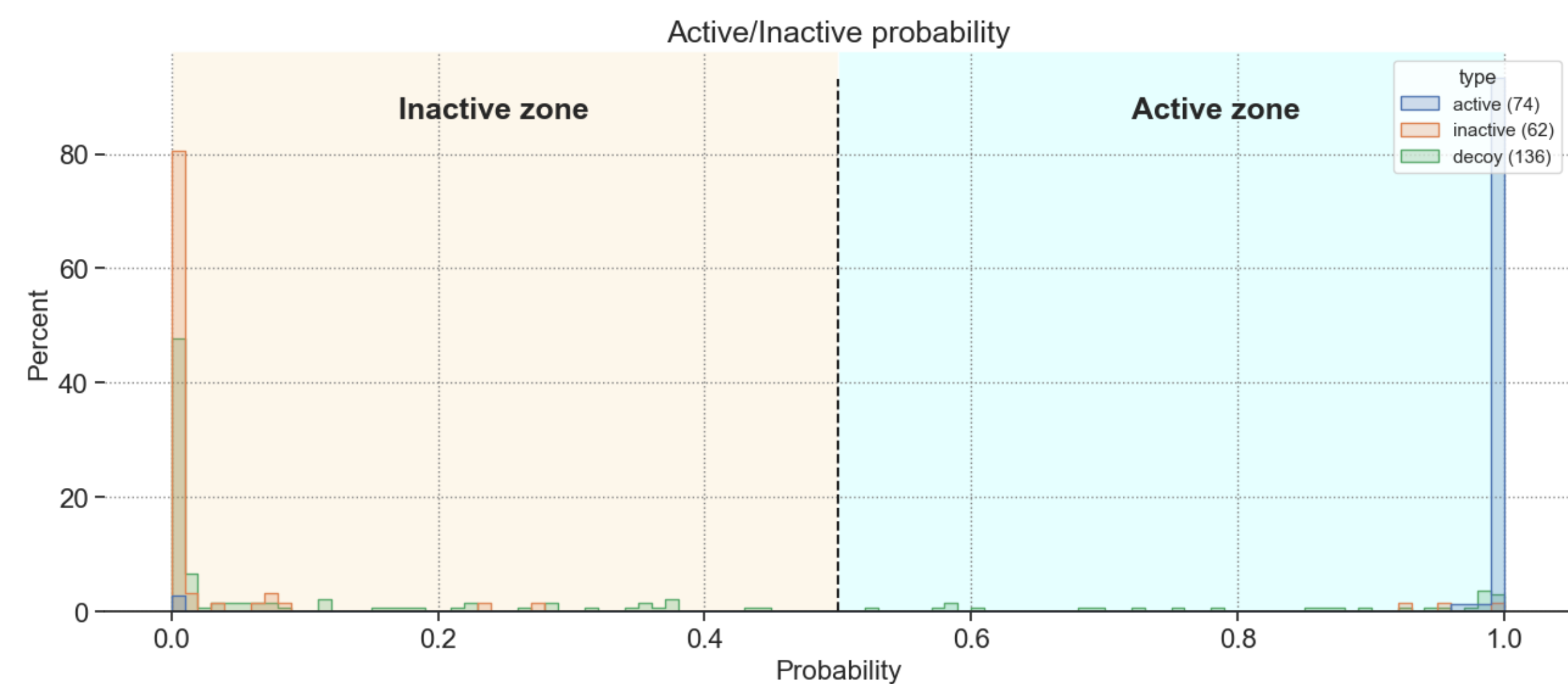
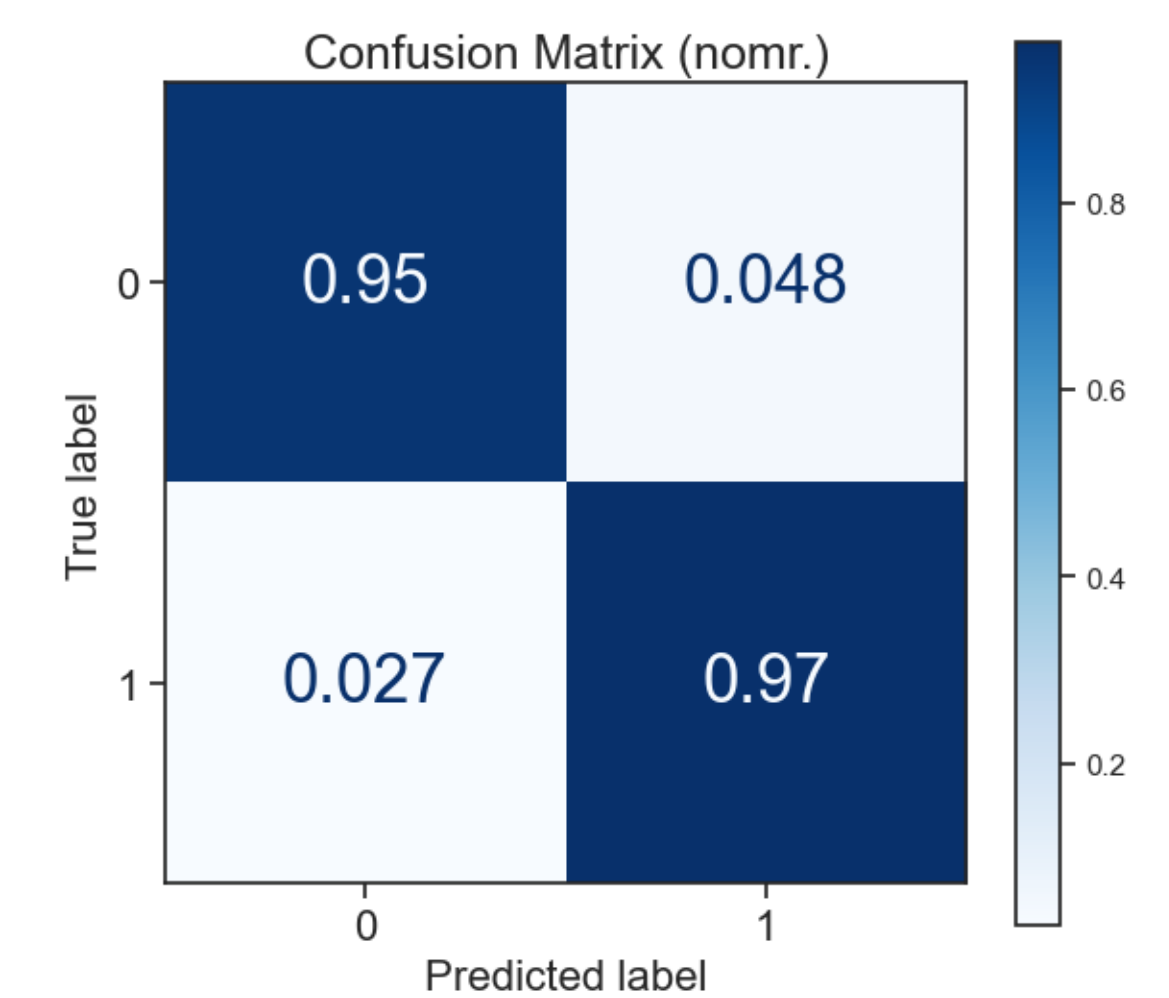
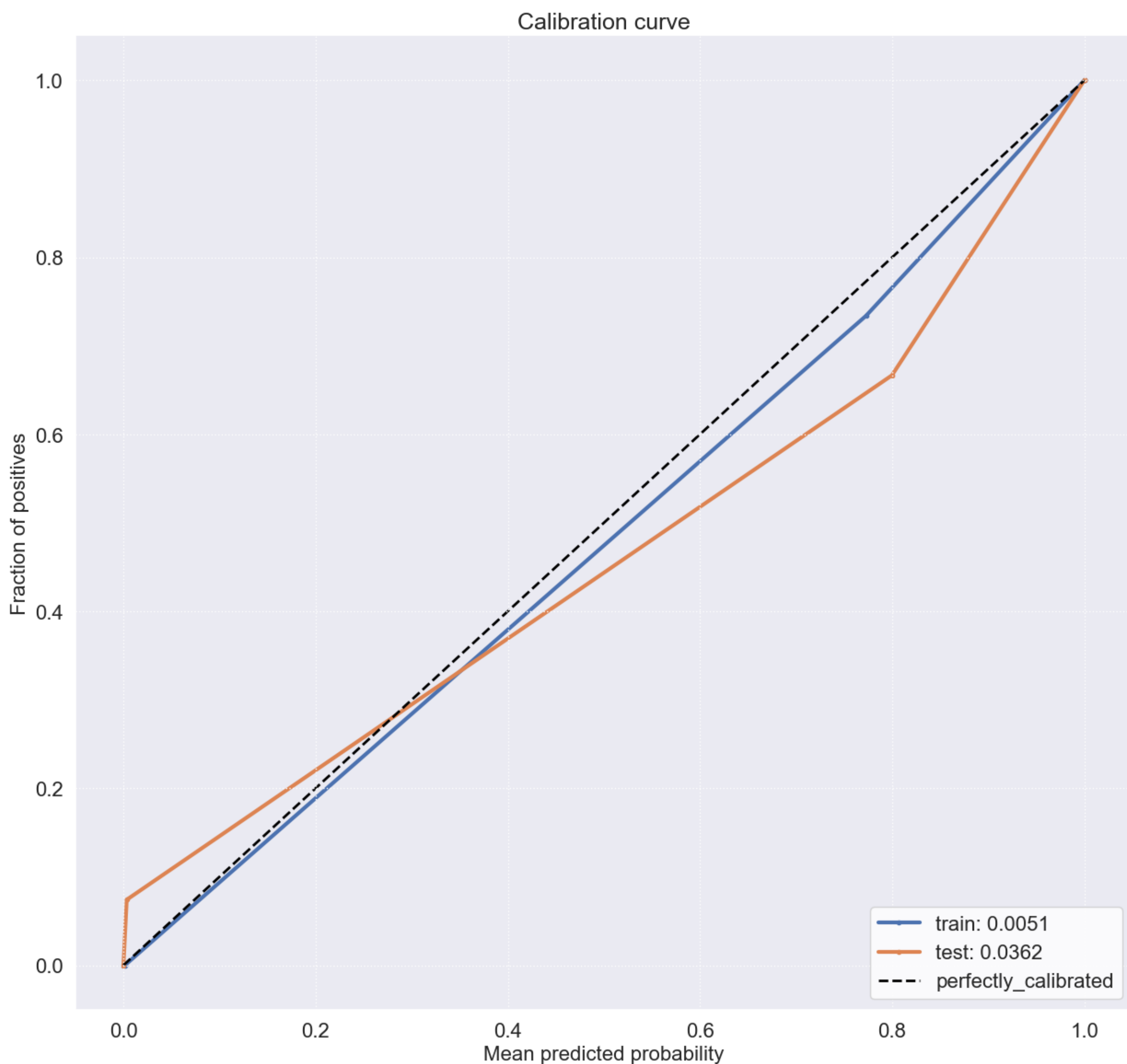
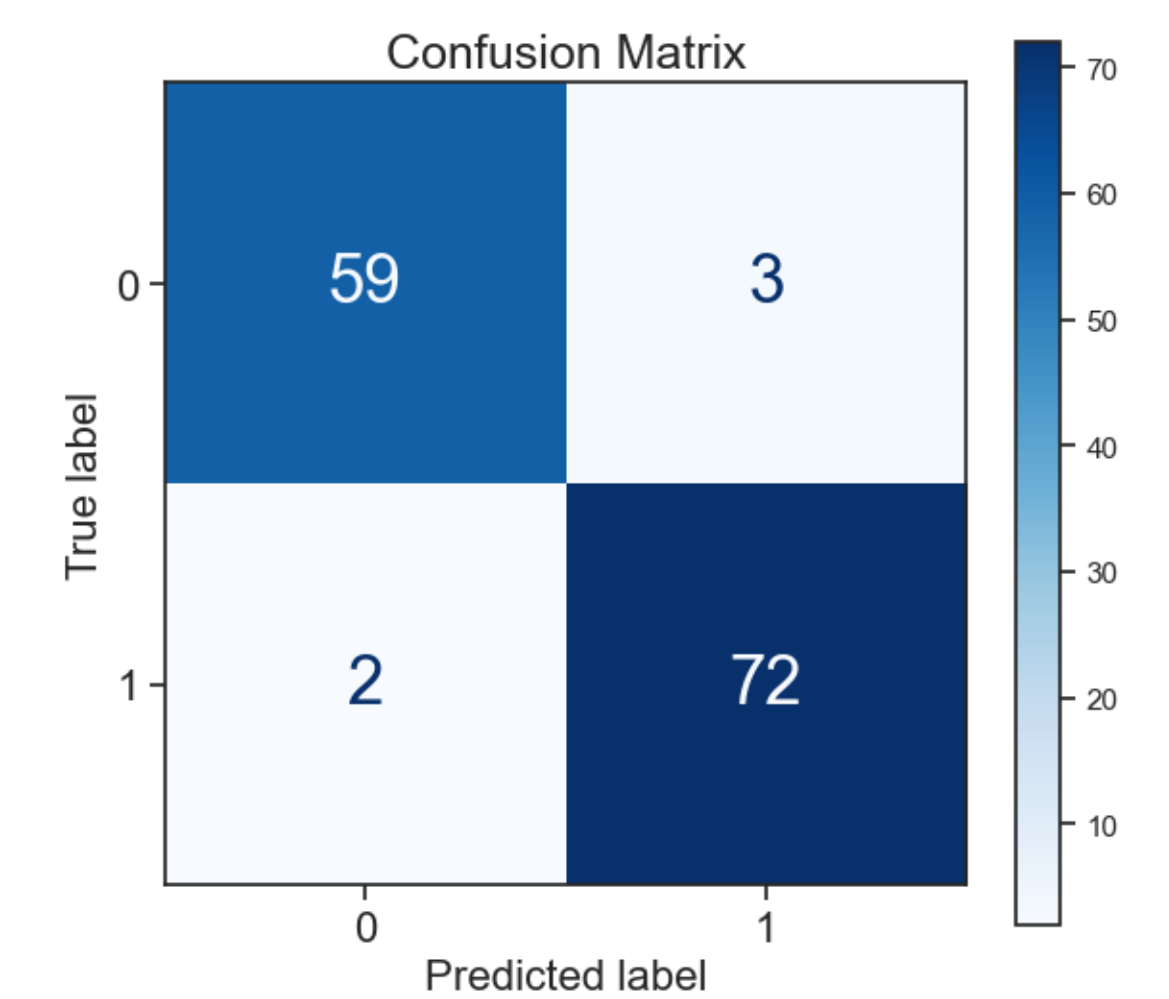


Protein: P01375 - metric: balanced_accuracy

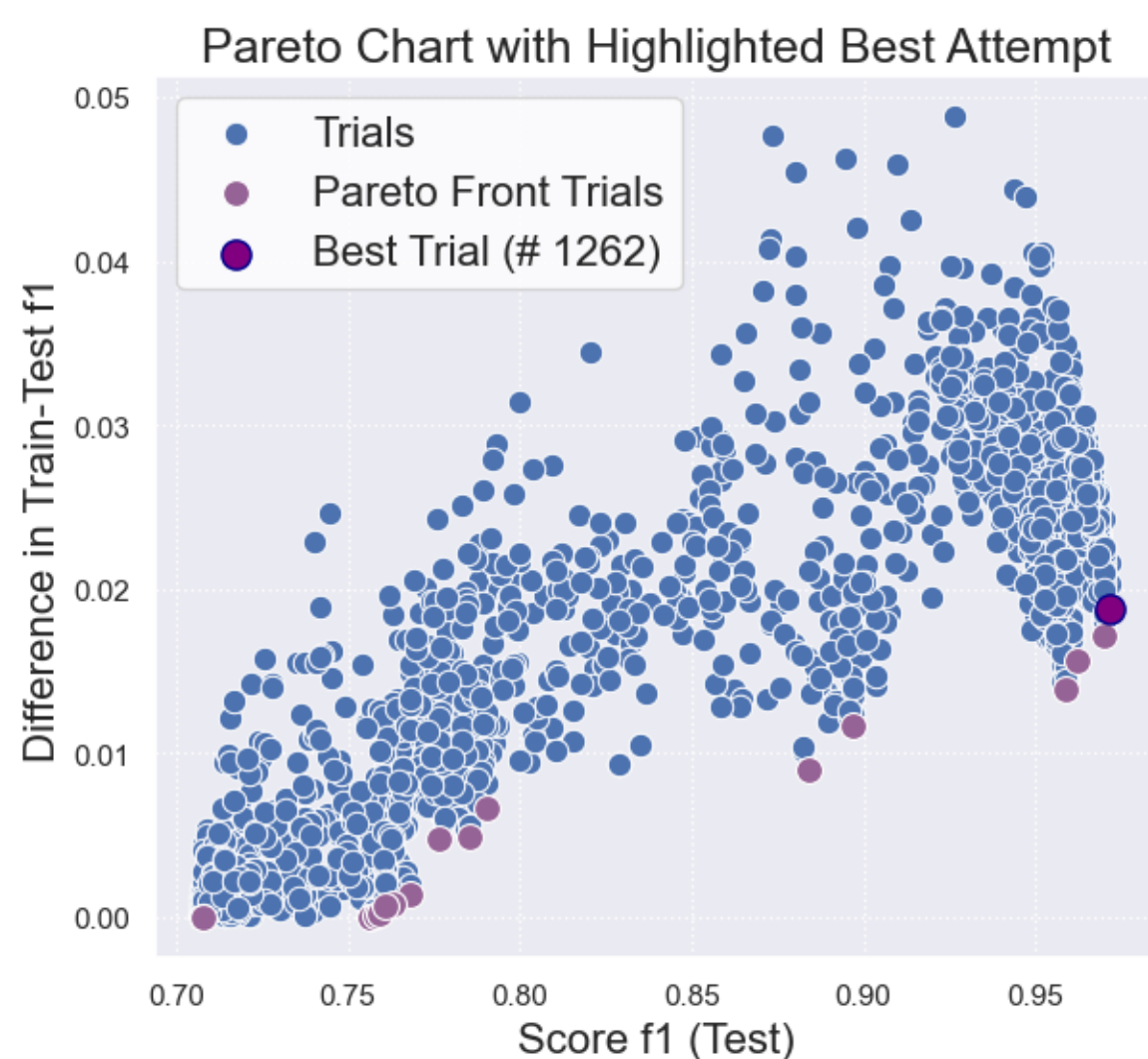
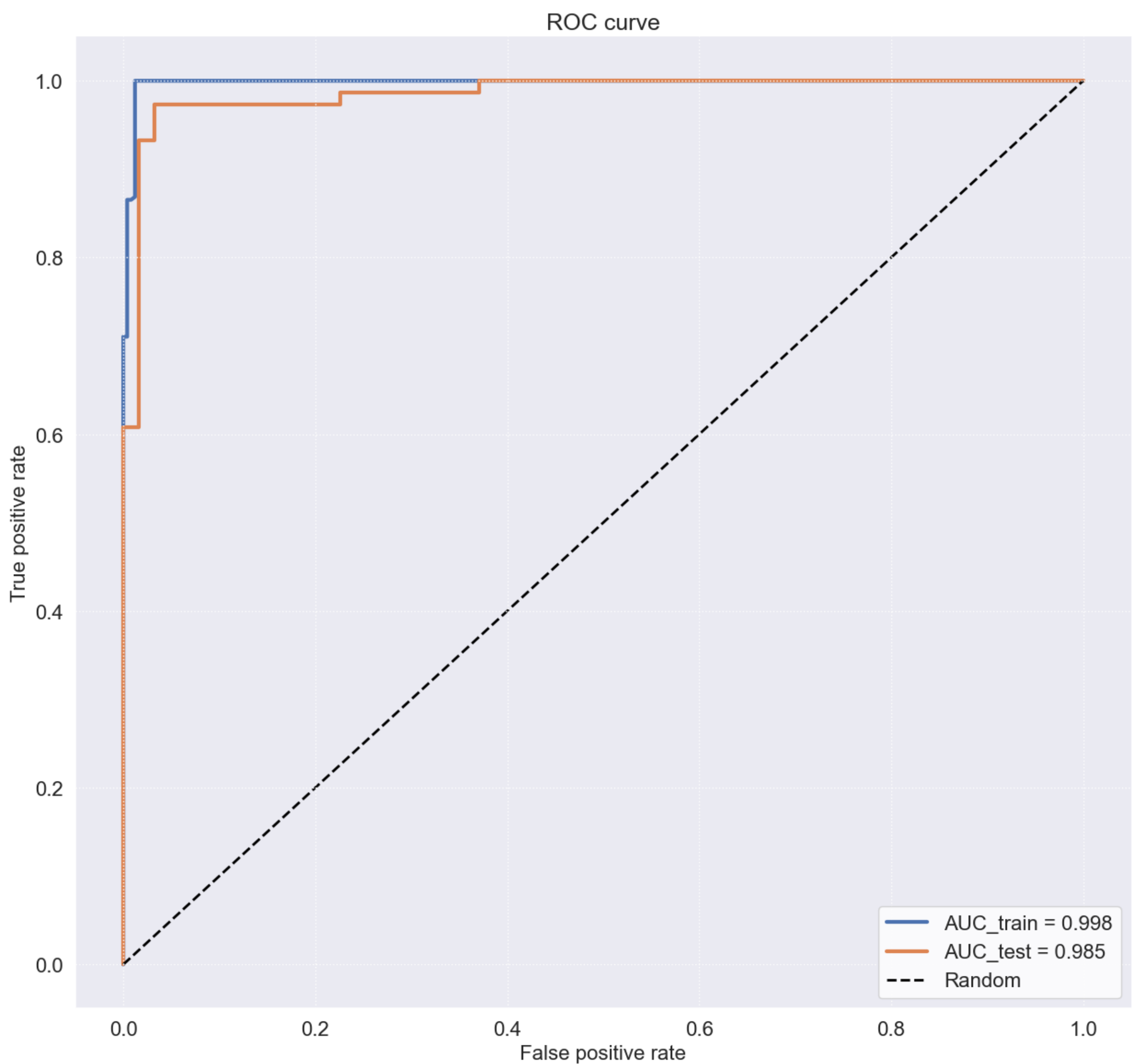
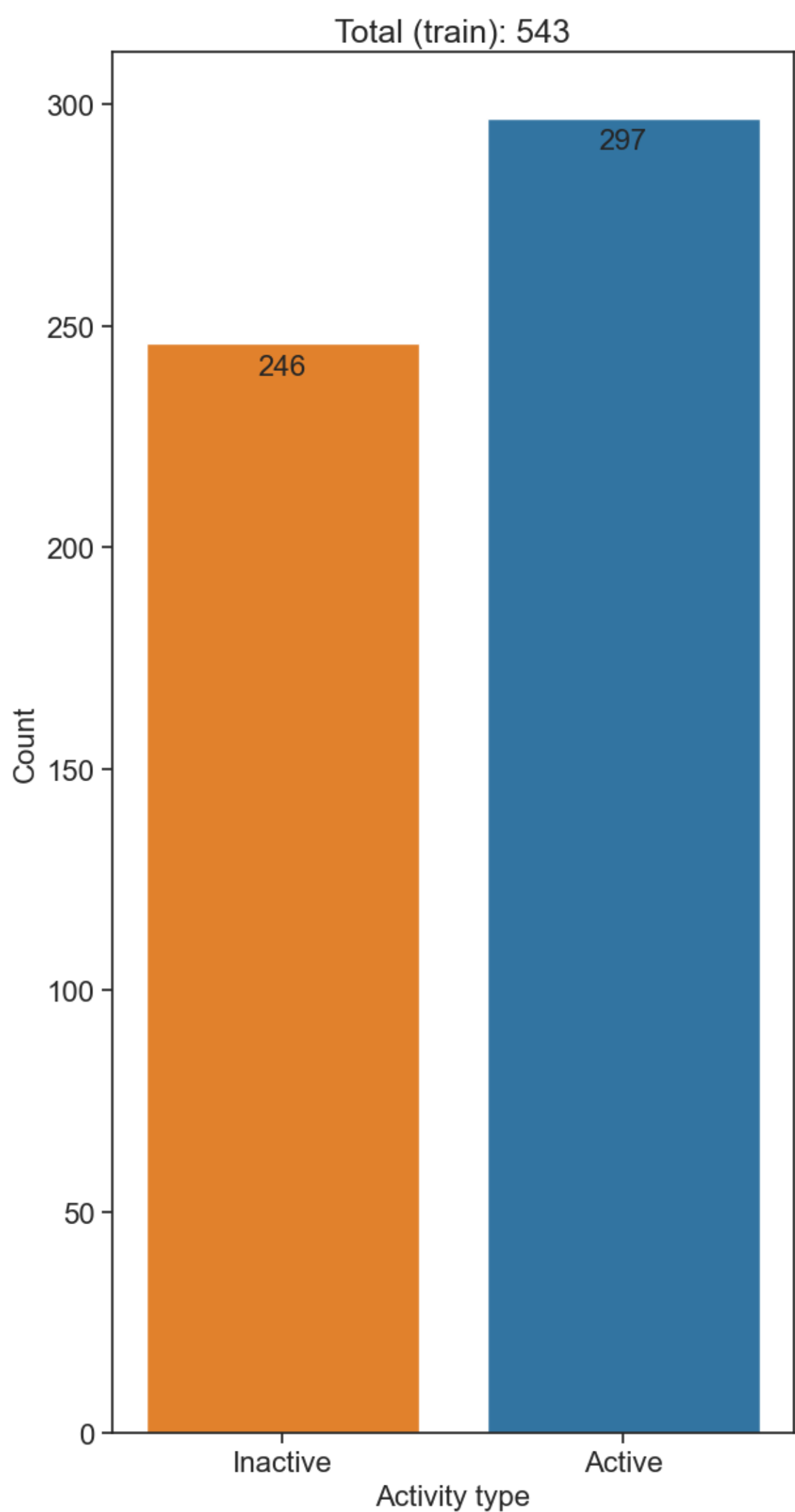


XGBoost Parameters	Value
alpha	1.0303
colsample_bytree	0.8763
gamma	0.1703
lambda	1.0852
learning_rate	0.1909
max_depth	9.0
min_child_weight	1.0
n_estimators	986.0
reg_alpha	0.4337
reg_lambda	0.2819
scale_pos_weight	30.4816
subsample	0.5495

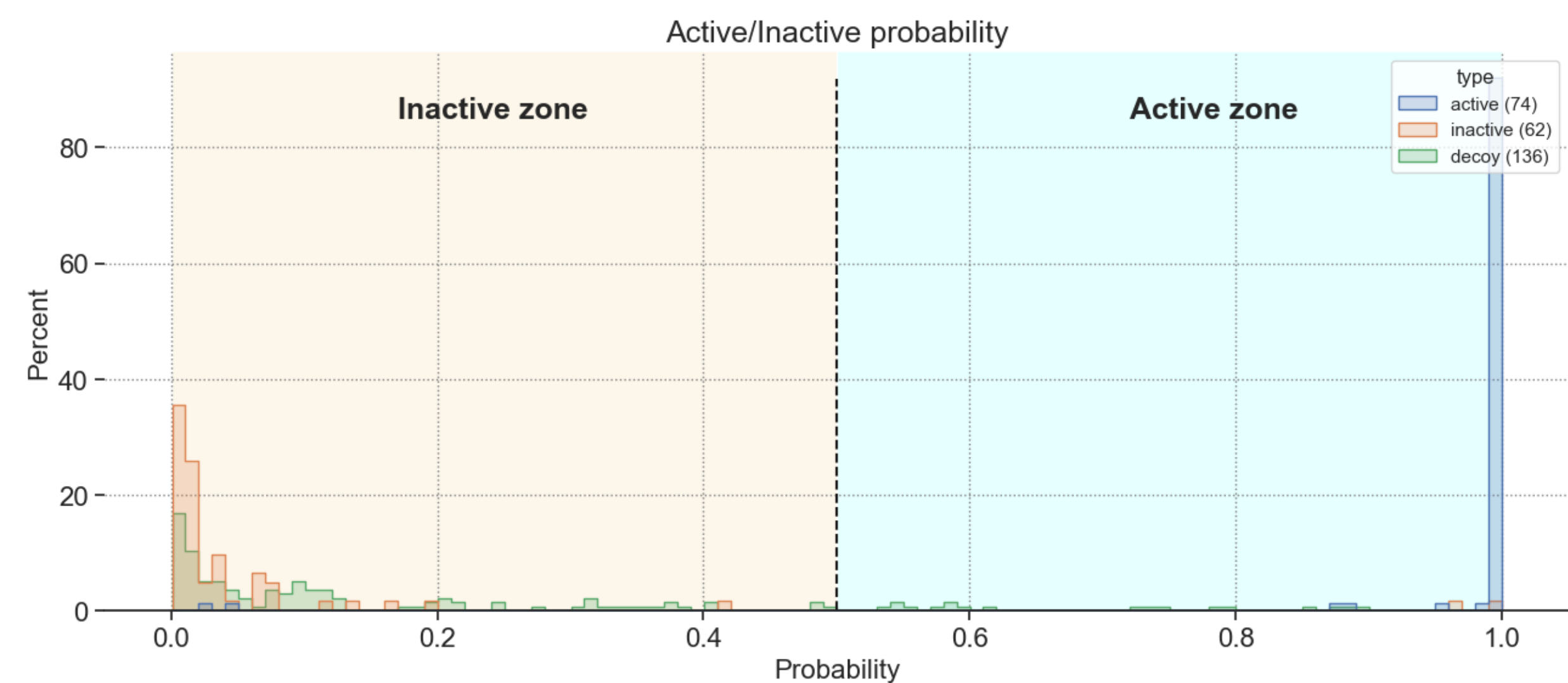
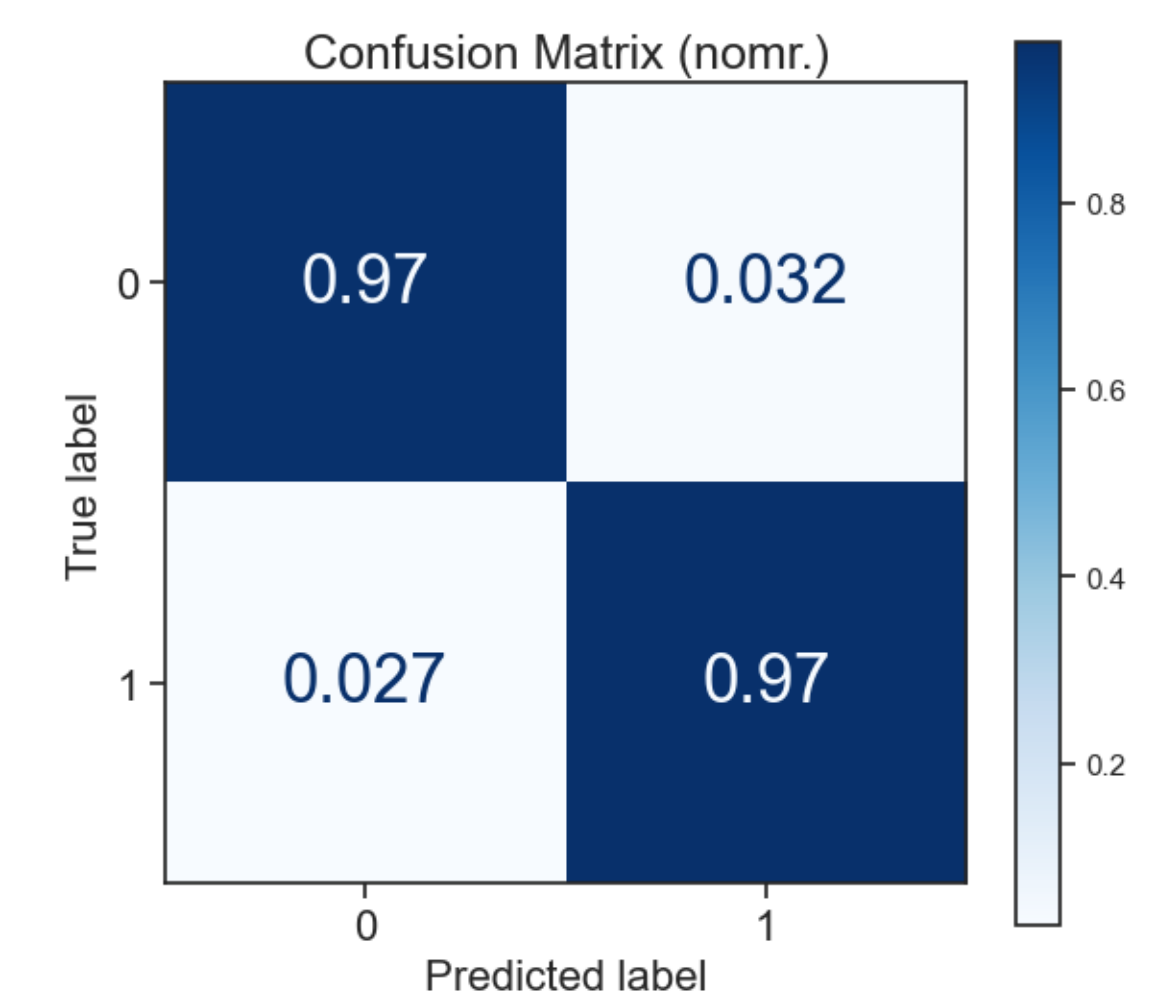
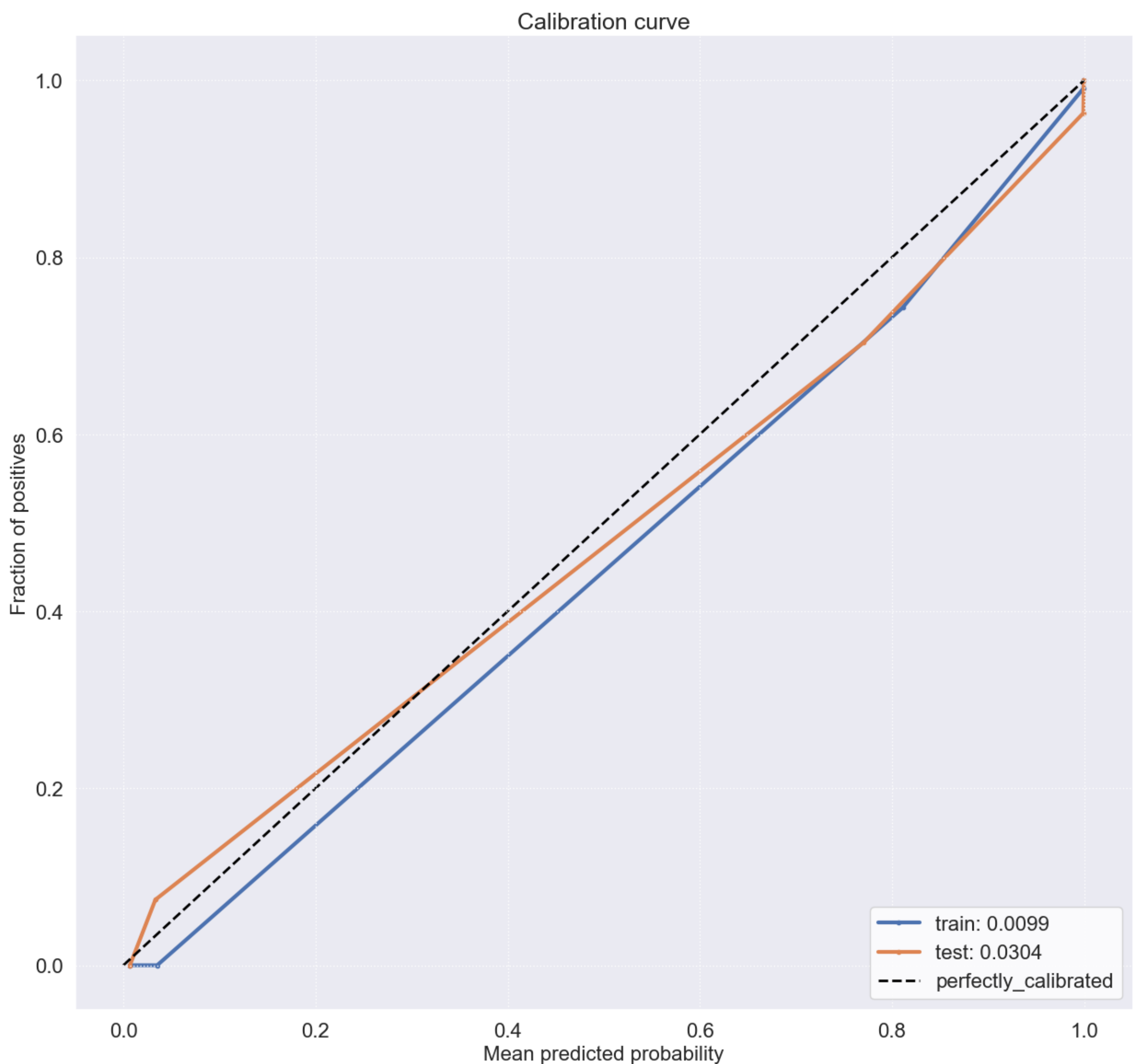
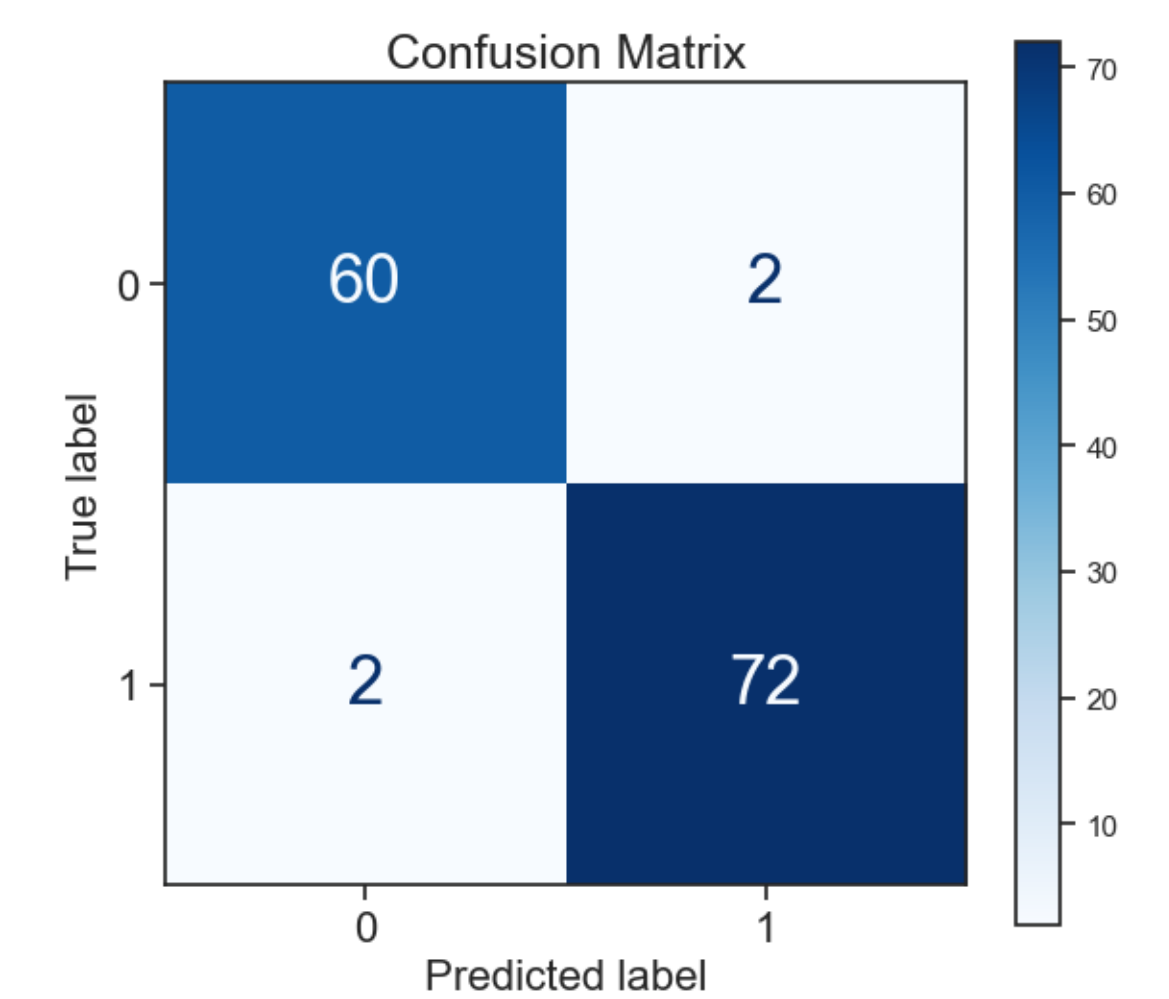


Metric	Train	Test
AUC	1.0	0.9908
accuracy	0.9945	0.9632
balanced accuracy	0.9939	0.9623
recall_(sens)	1.0	0.973
specificity	0.9878	0.9516
precision	0.99	0.96
f1_score	0.9945	0.9632

Protein: P01375 - metric: f1

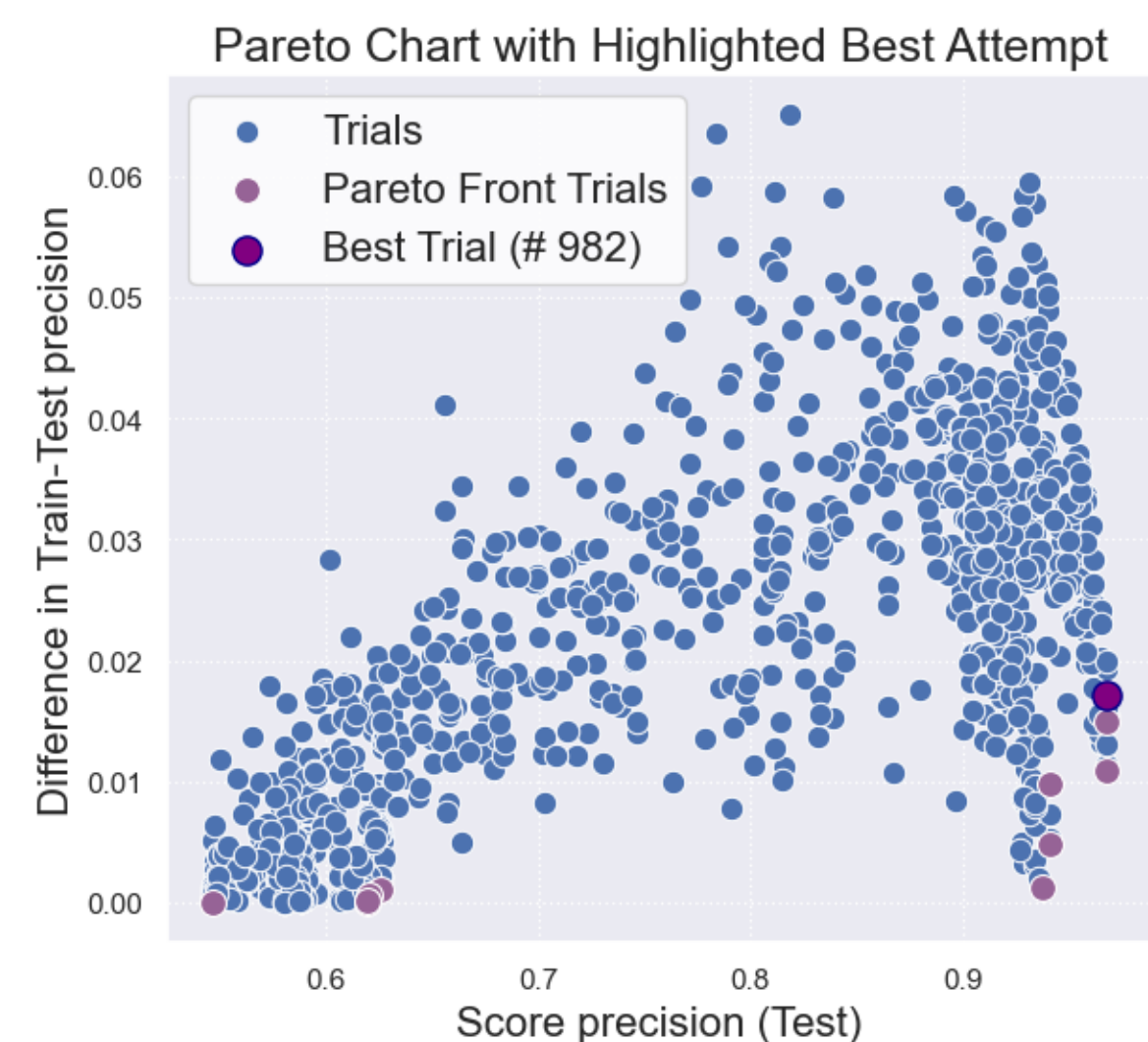
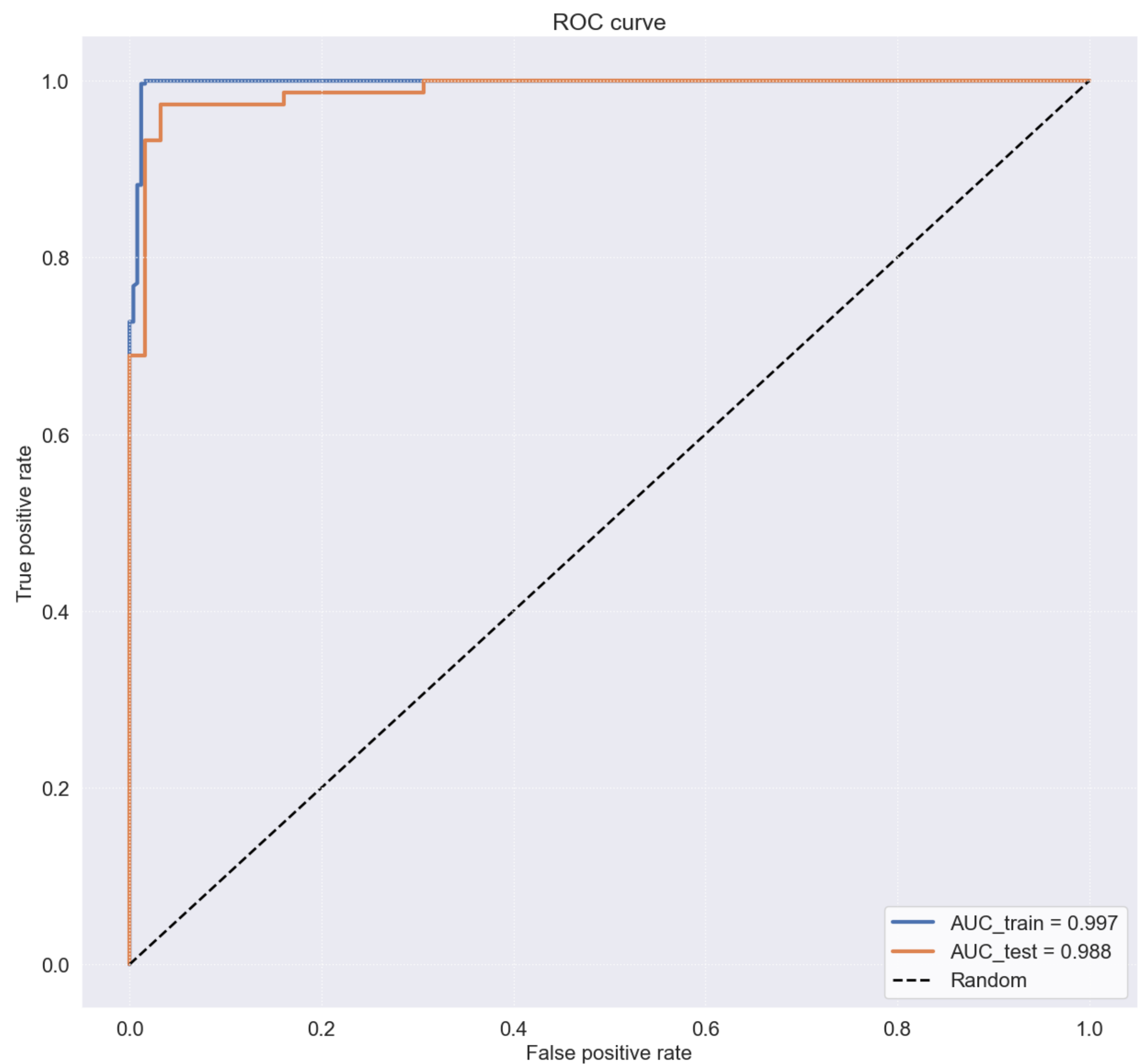
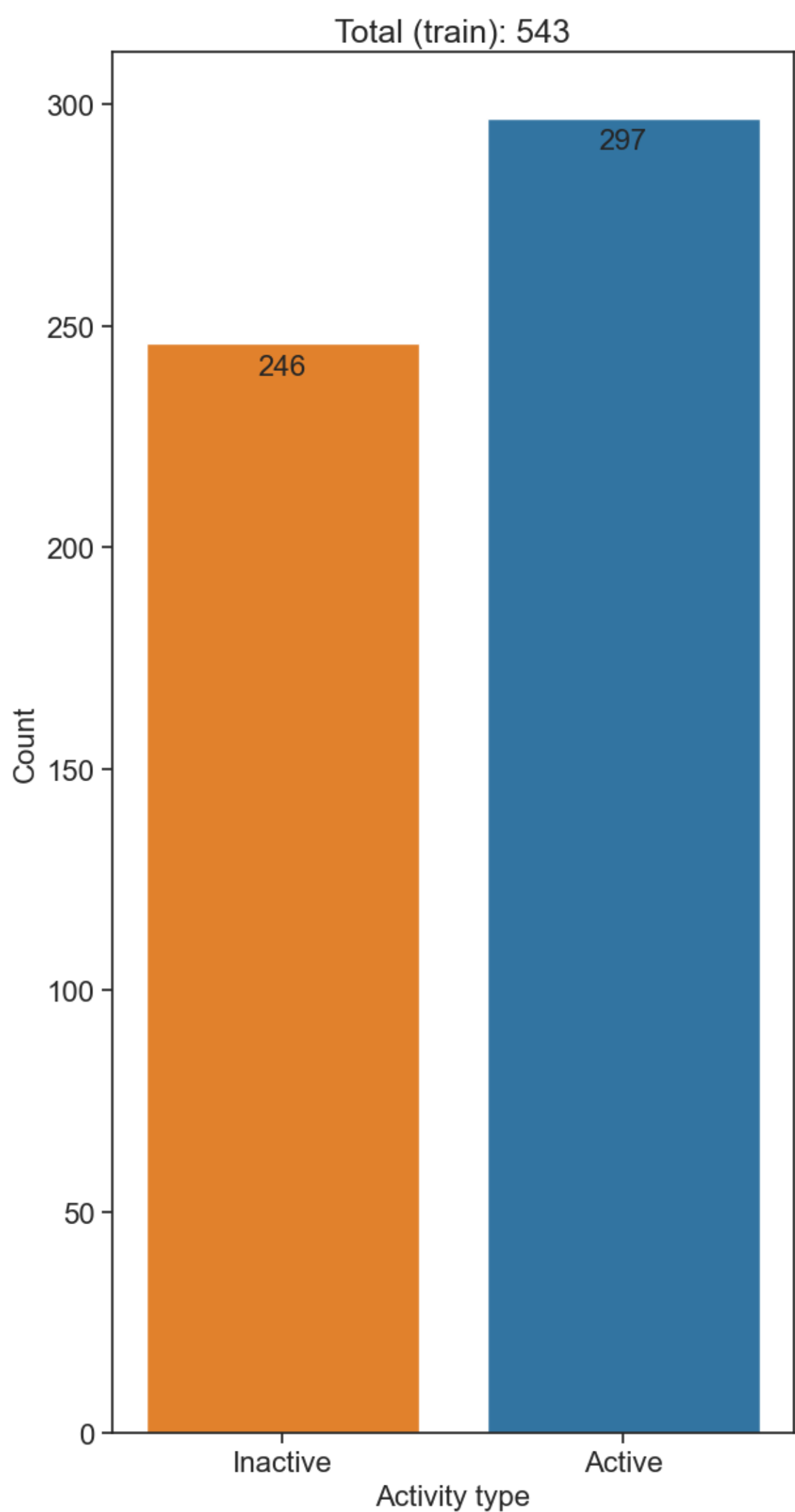


XGBoost Parameters	Value
alpha	4.4695
colsample_bytree	0.6179
gamma	0.5892
lambda	0.5344
learning_rate	0.017
max_depth	7.0
min_child_weight	2.0
n_estimators	993.0
reg_alpha	0.5356
reg_lambda	0.786
scale_pos_weight	15.0883
subsample	0.7535

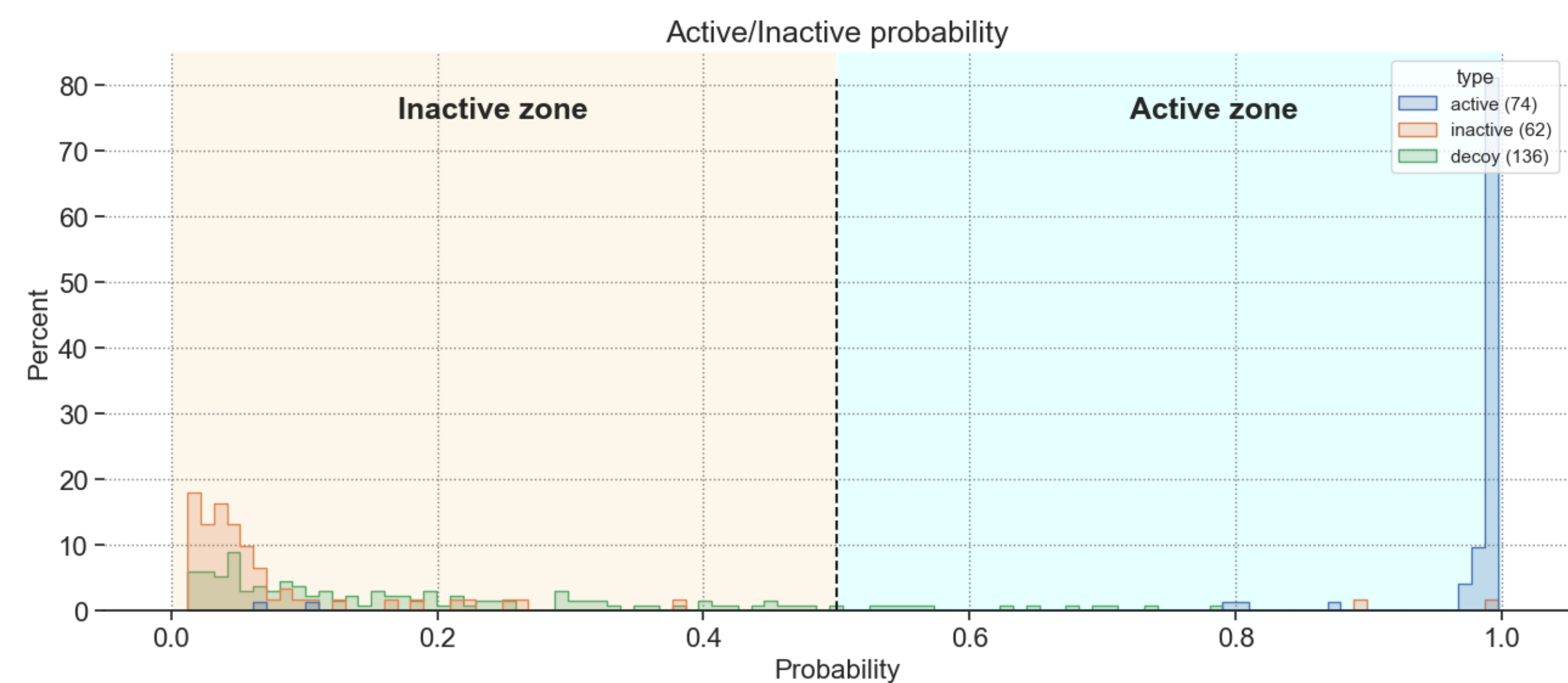
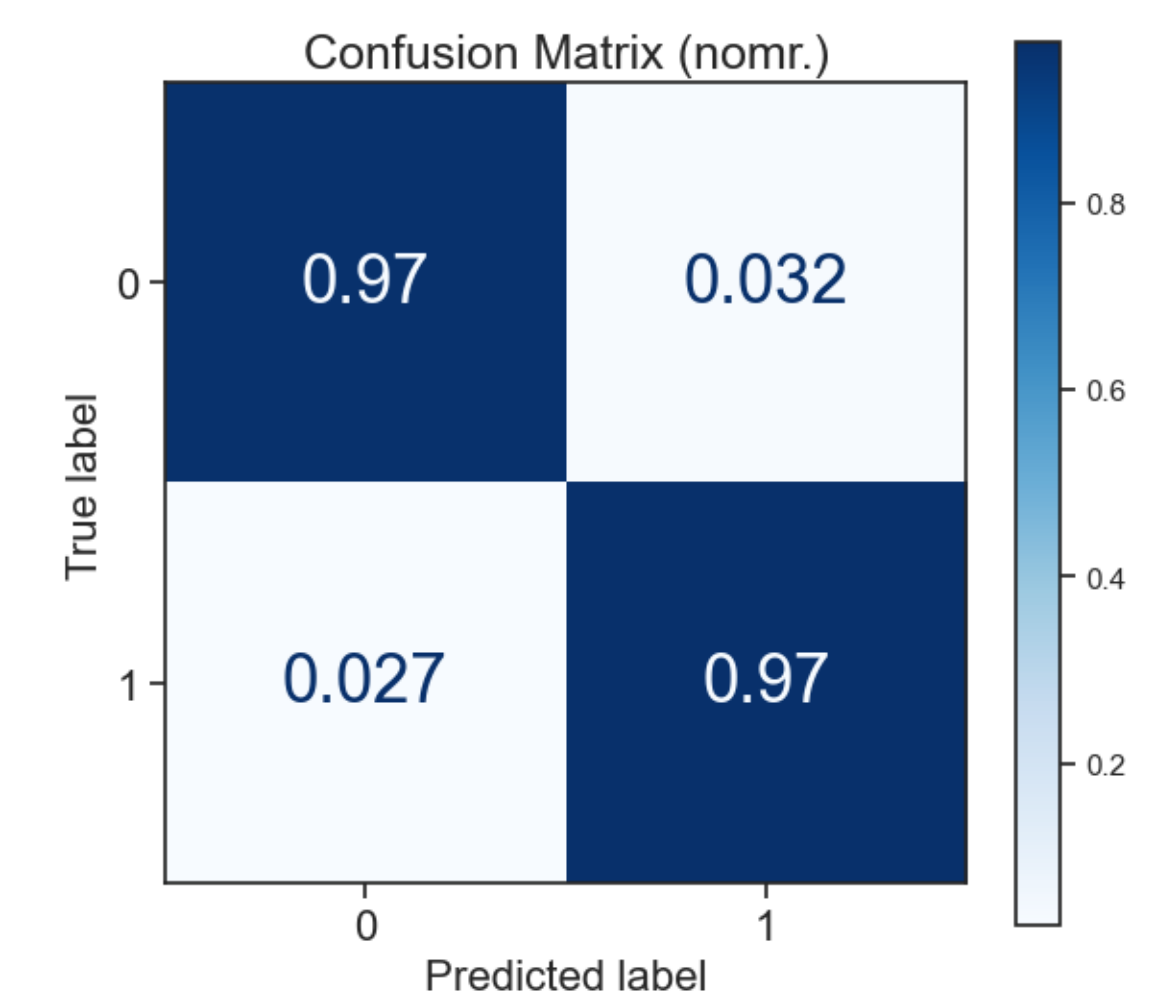
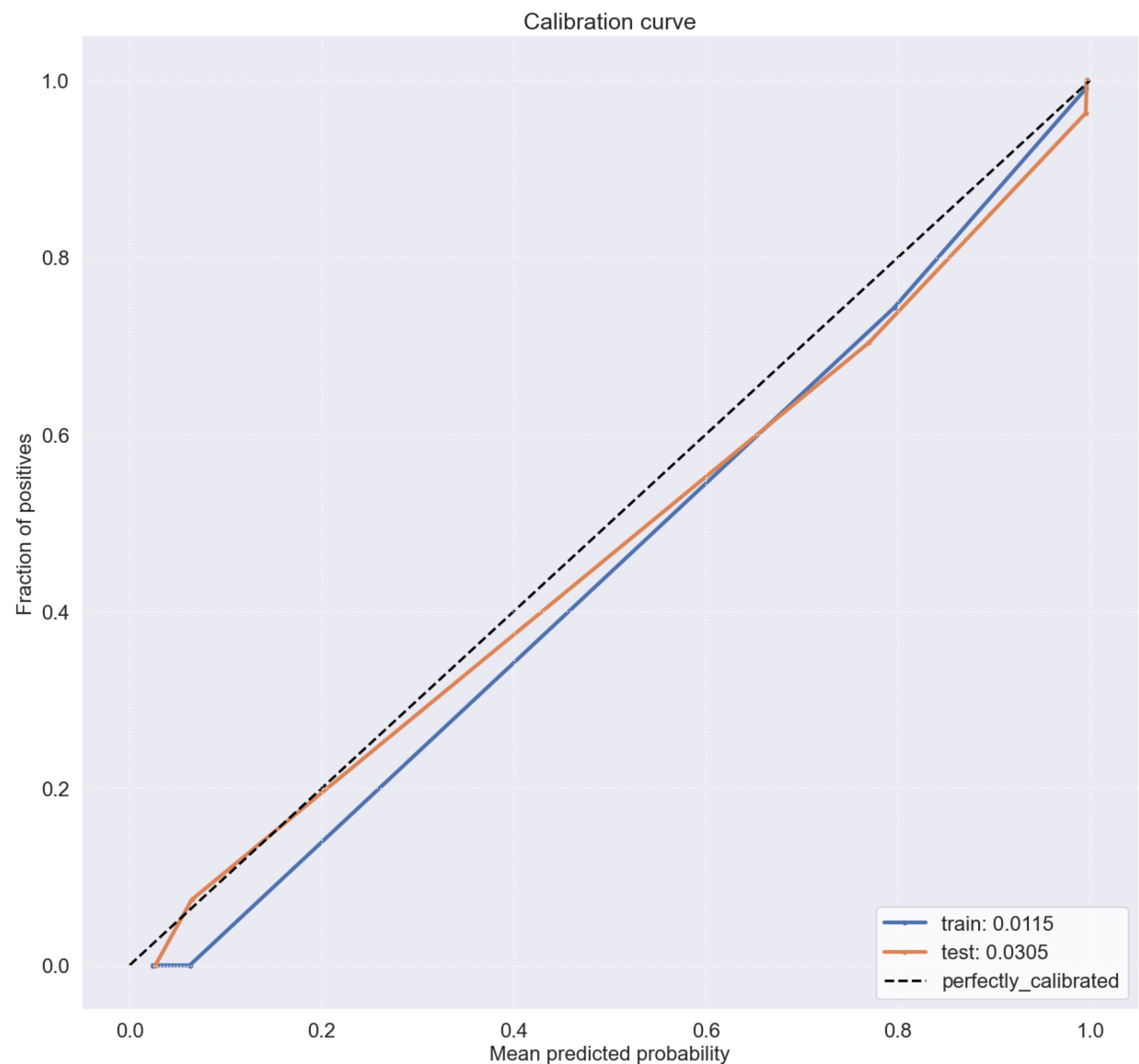
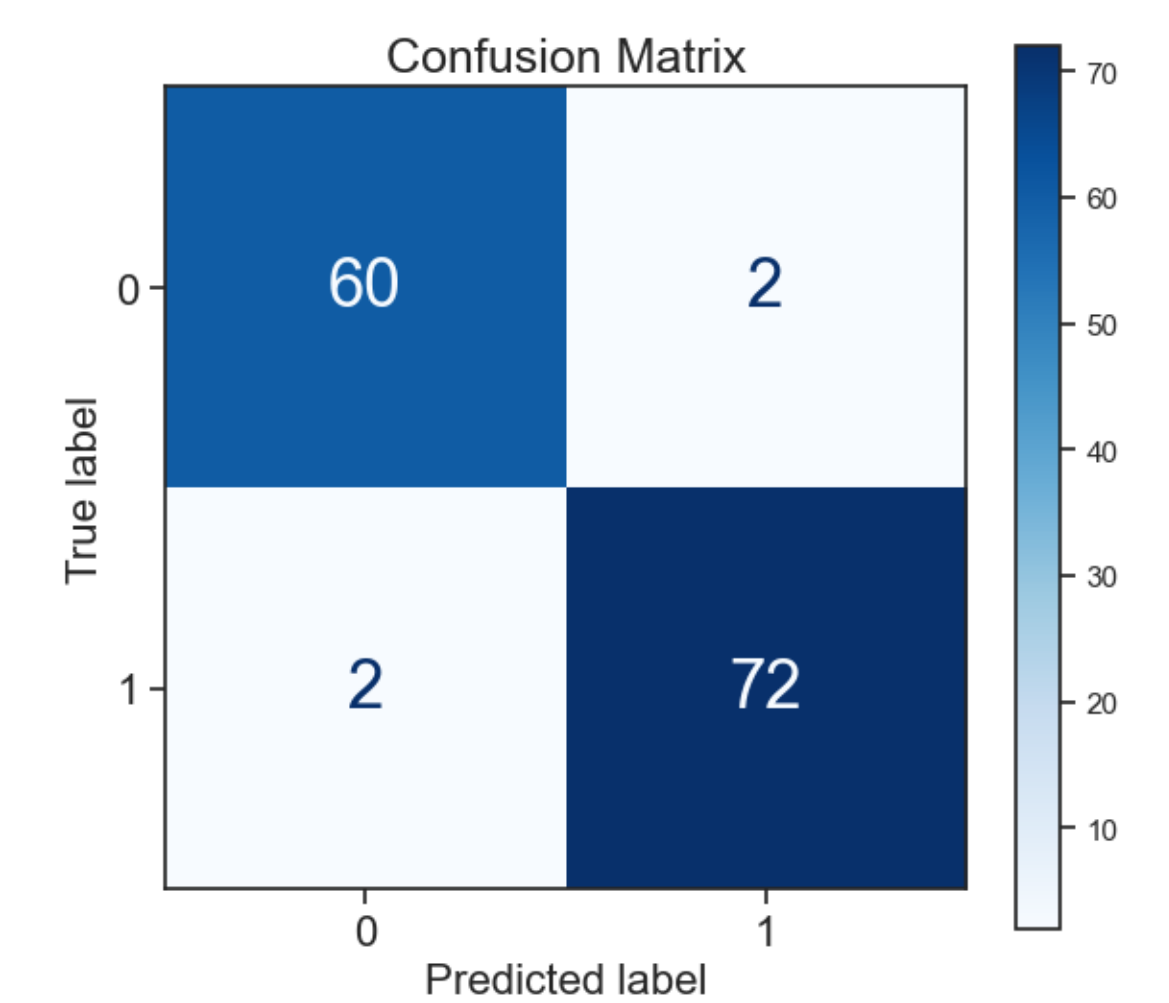


Metric	Train	Test
AUC	0.9977	0.9854
accuracy	0.9908	0.9706
balanced accuracy	0.9898	0.9704
recall_(sens)	1.0	0.973
specificity	0.9797	0.9677
precision	0.9834	0.973
f1_score	0.9908	0.9706

Protein: P01375 - metric: precision

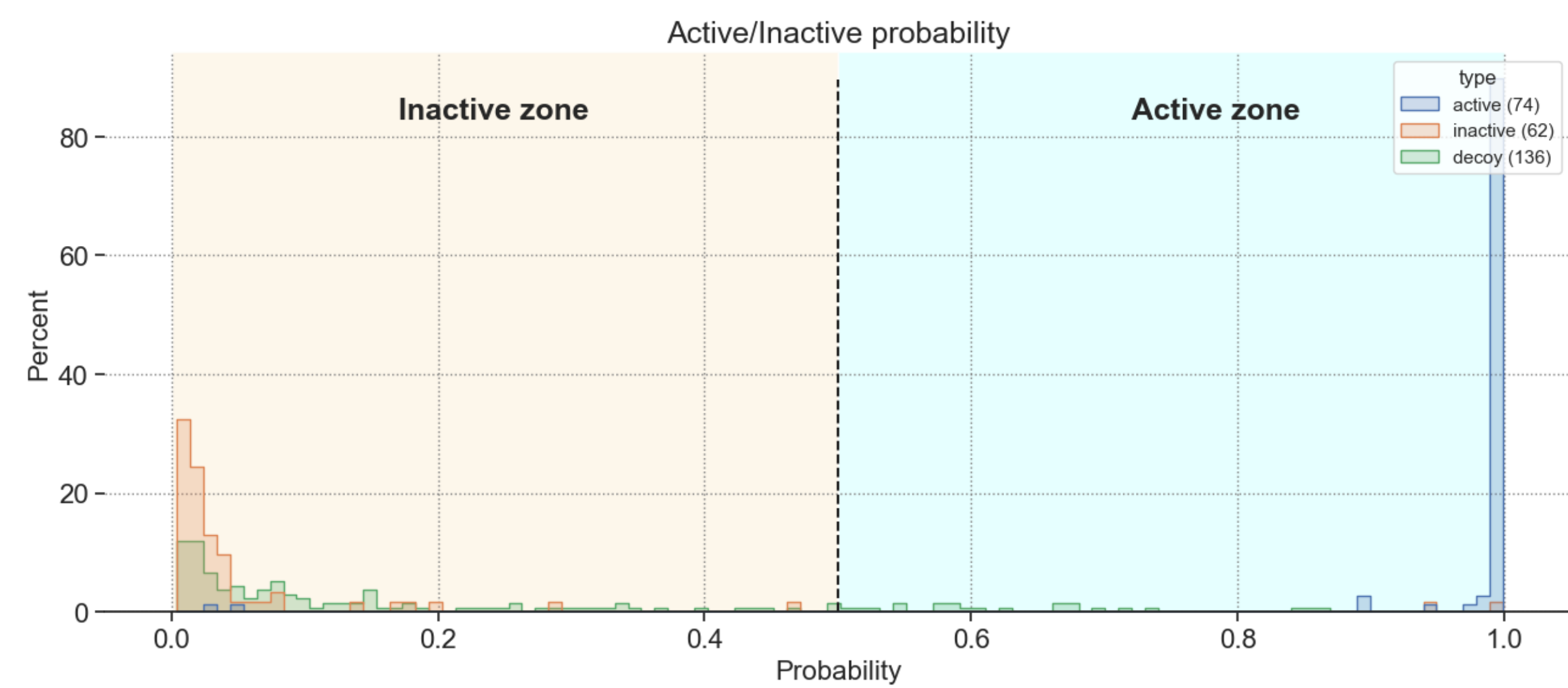
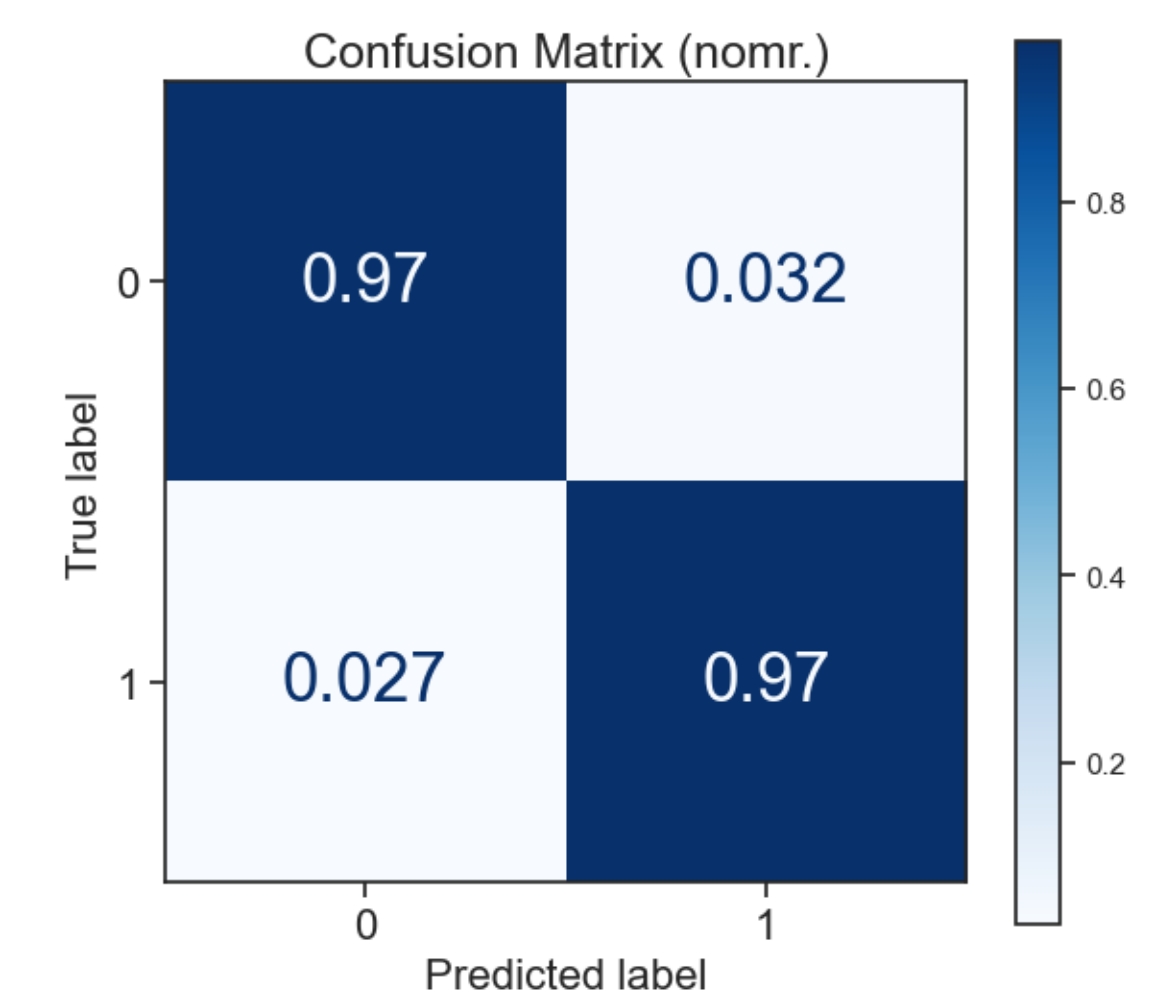
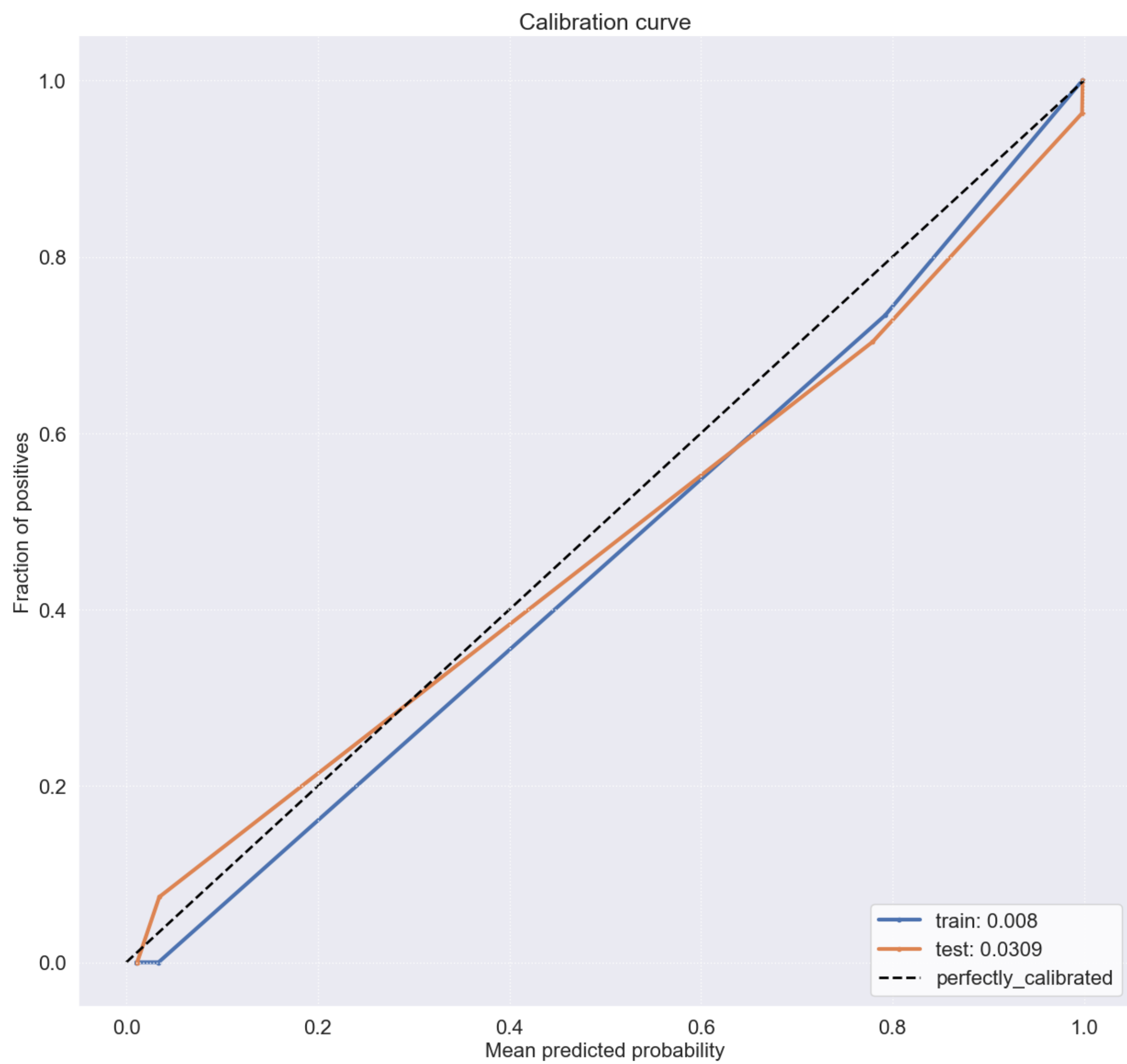
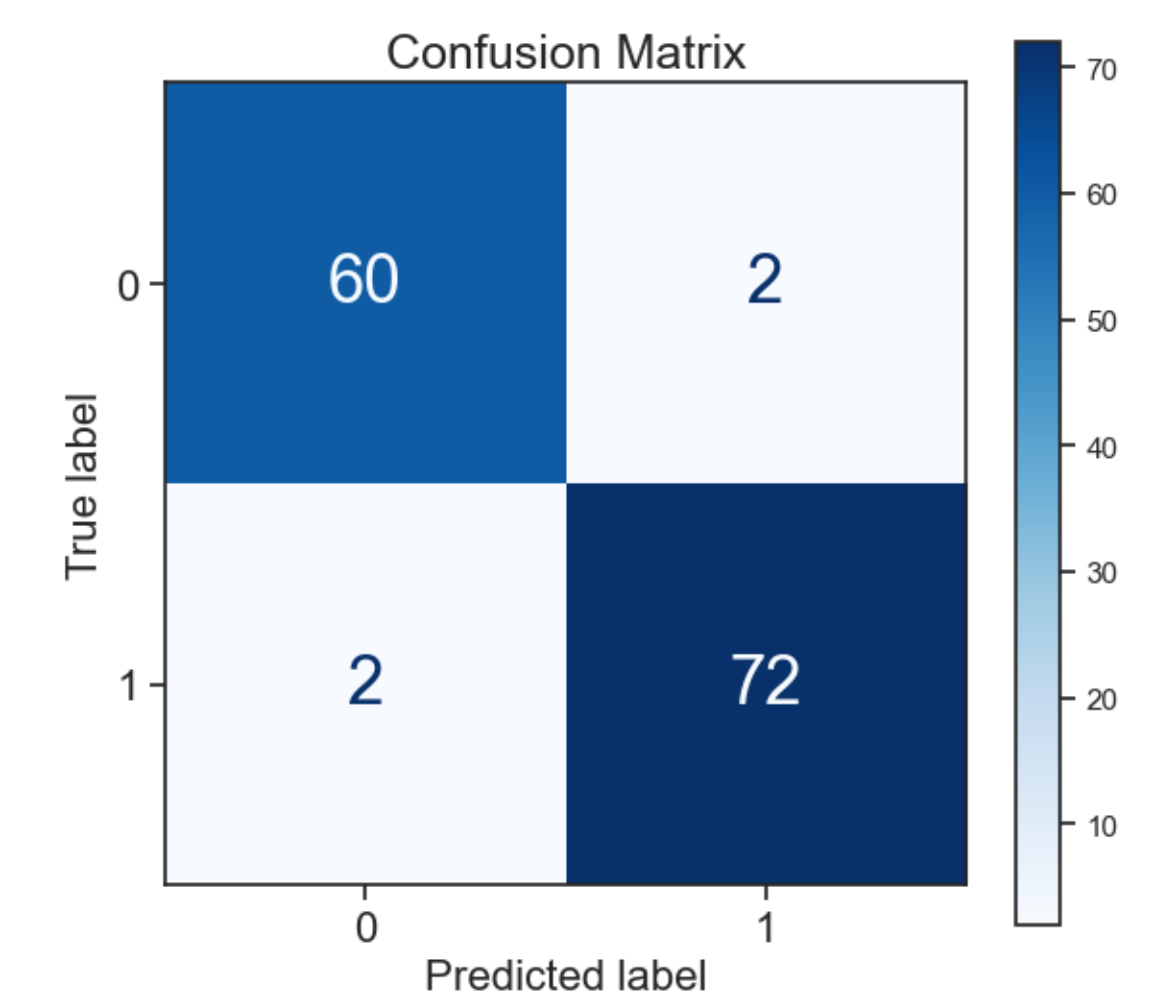
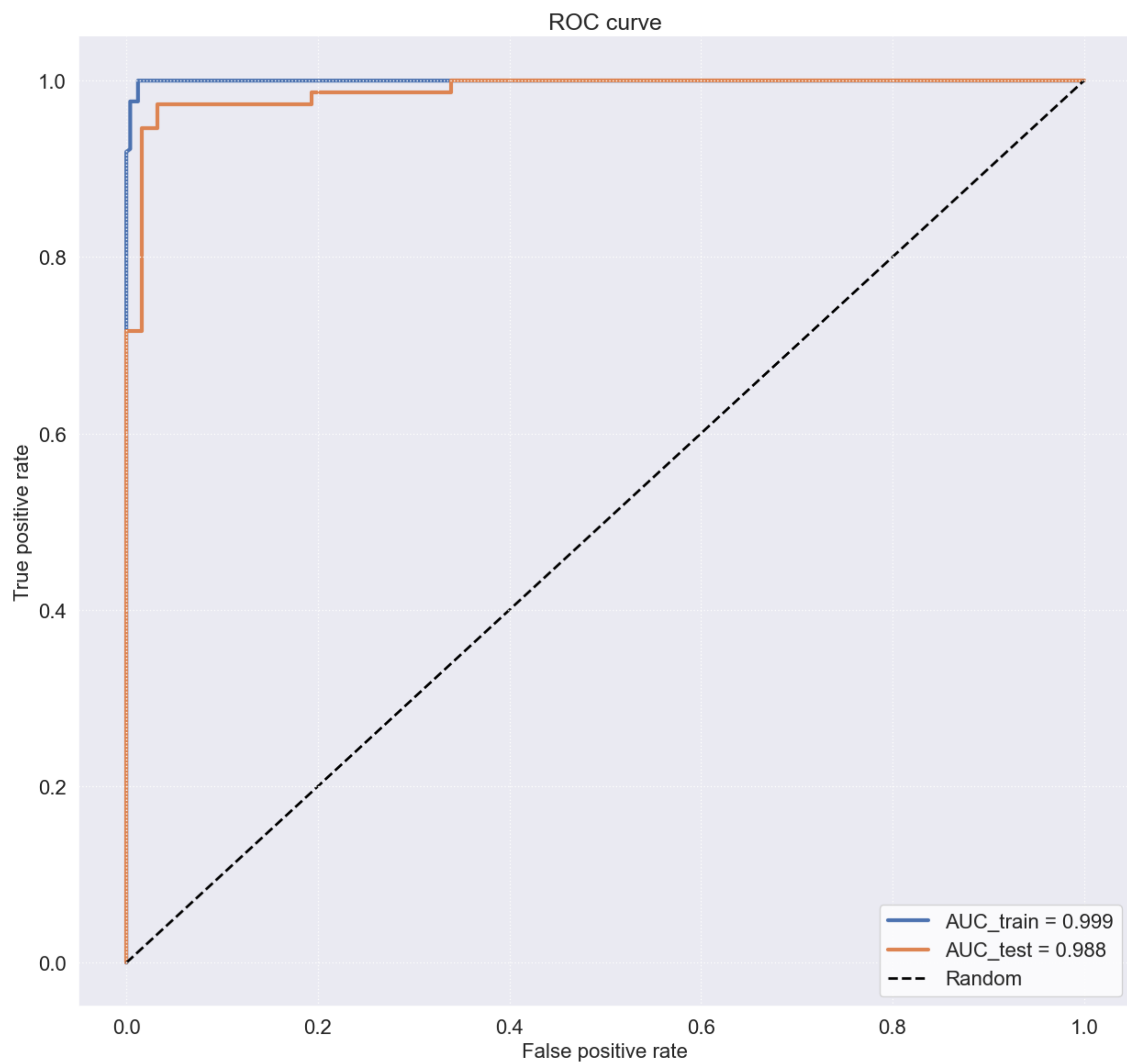
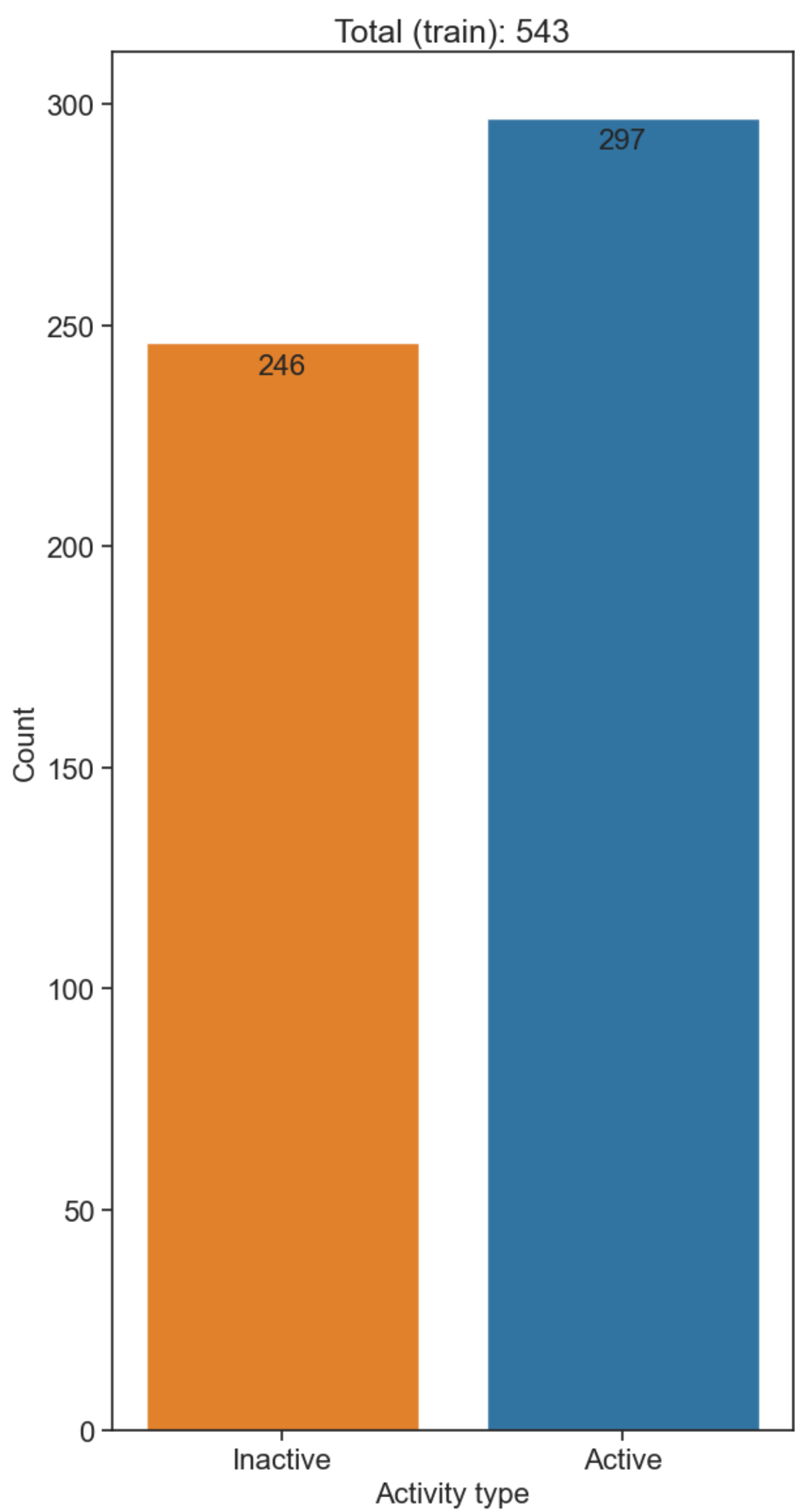


XGBoost Parameters	Value
alpha	0.8855
colsample_bytree	0.6752
gamma	0.8055
lambda	3.2973
learning_rate	0.0058
max_depth	8.0
min_child_weight	1.0
n_estimators	808.0
reg_alpha	0.8409
reg_lambda	0.1488
scale_pos_weight	6.8578
subsample	0.9205



Metric	Train	Test
AUC	0.9975	0.9884
accuracy	0.9908	0.9706
balanced accuracy	0.9898	0.9704
recall_(sens)	1.0	0.973
specificity	0.9797	0.9677
precision	0.9834	0.973
f1_score	0.9908	0.9706

Protein: P01375 - metric: SoftVotingXGBoostEnsemble



Metric	Train	Test
AUC	0.9995	0.9882
accuracy	0.9926	0.9706
balanced accuracy	0.9919	0.9704
recall_(sens)	1.0	0.973
specificity	0.9837	0.9677
precision	0.9867	0.973
f1_score	0.9926	0.9706