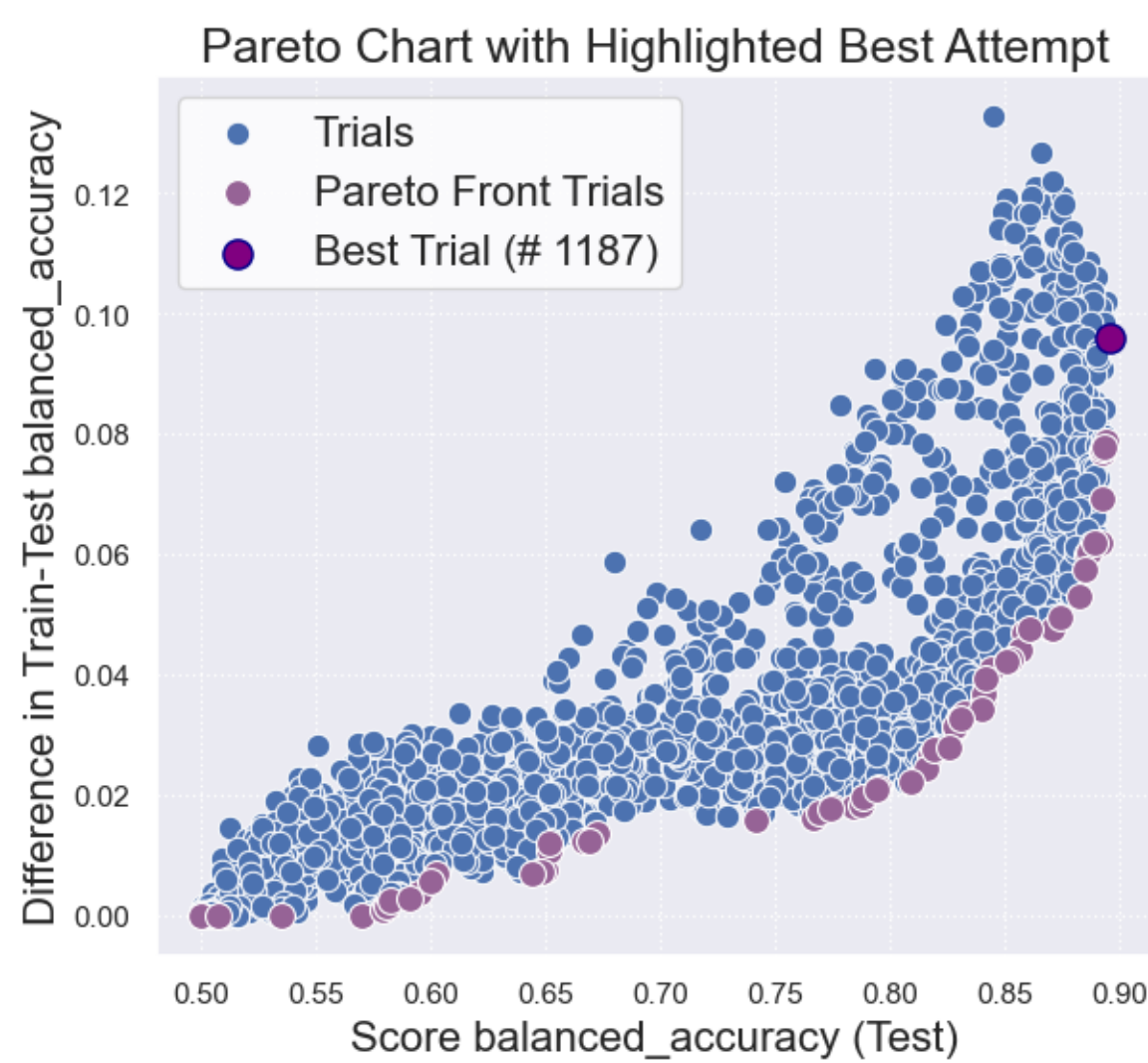
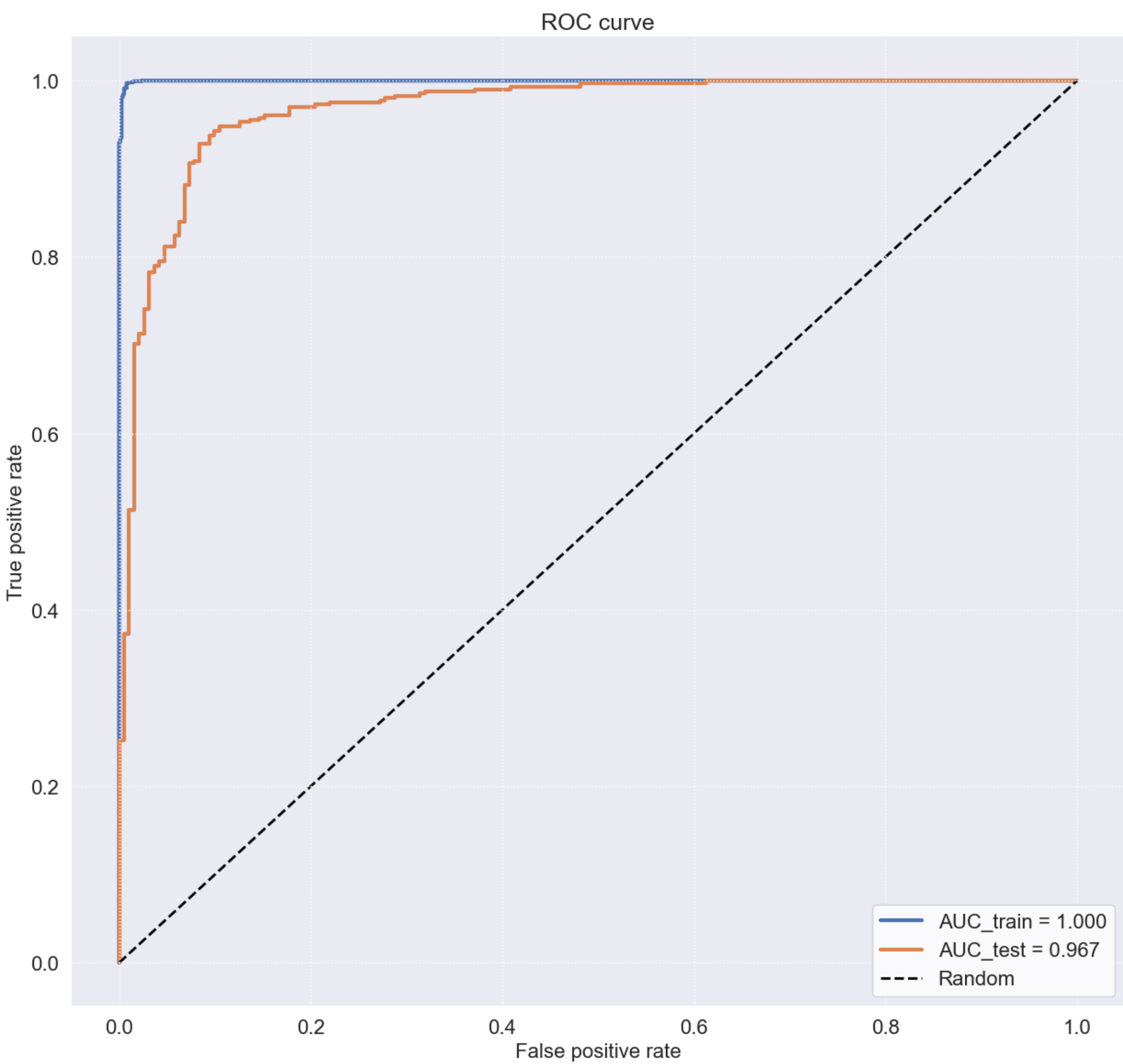
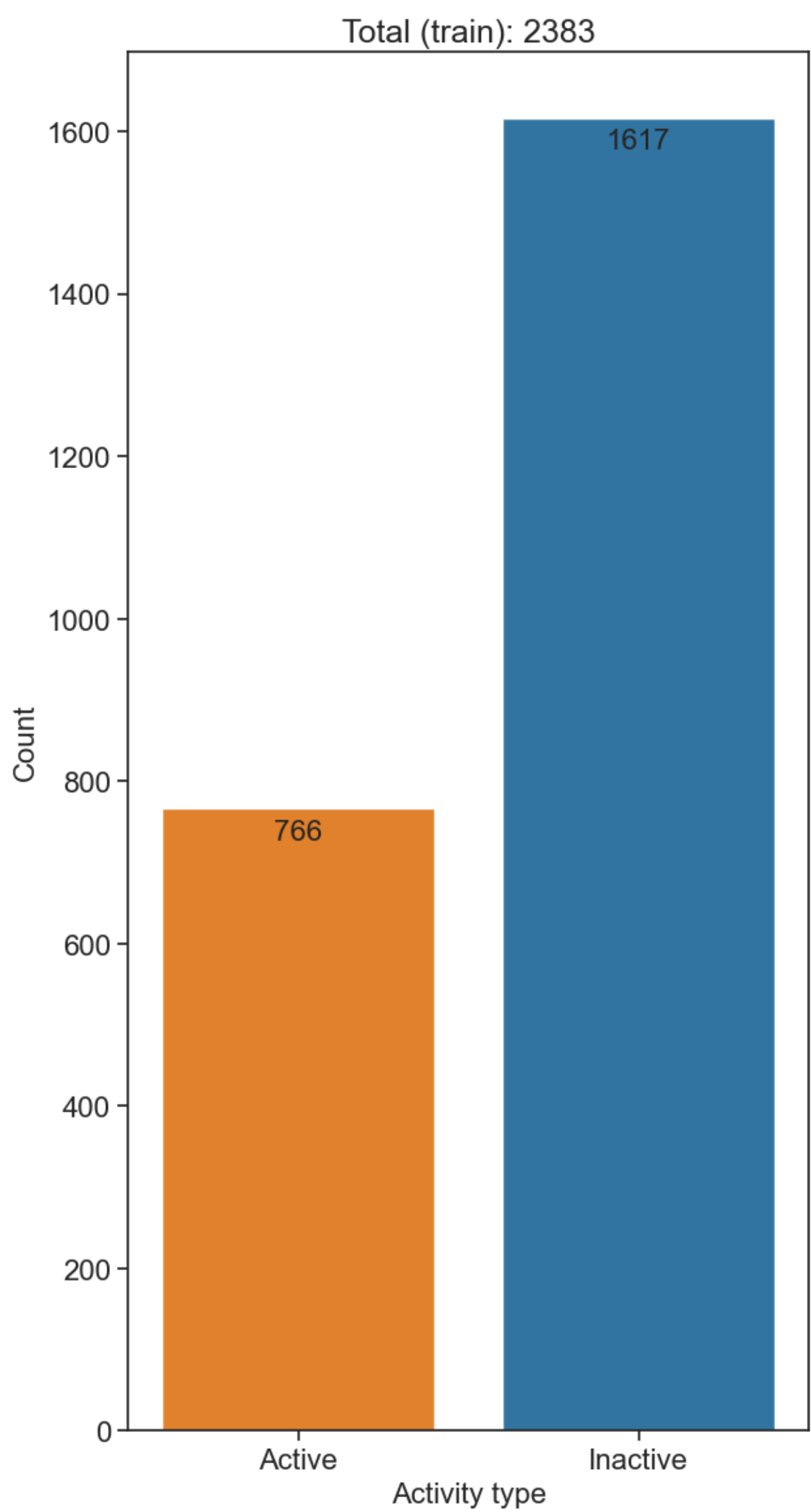
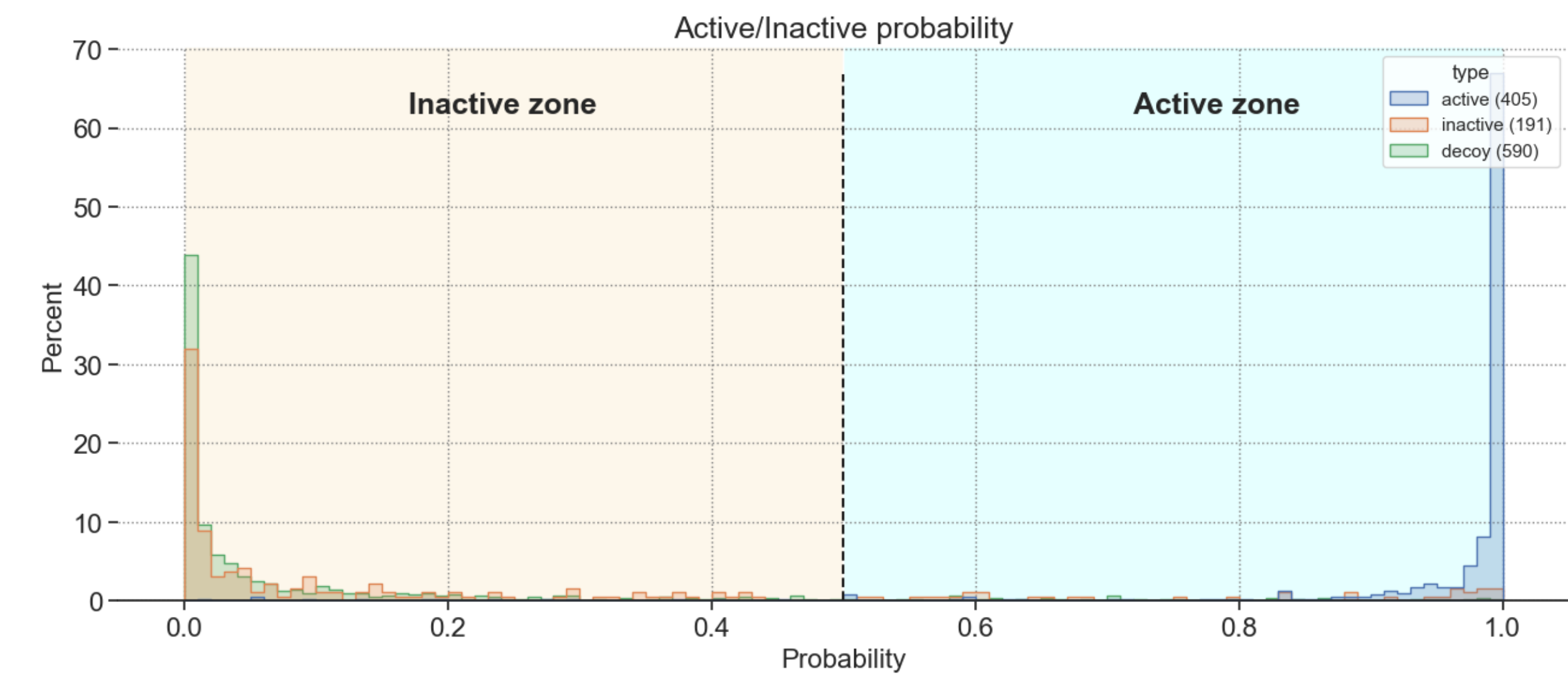
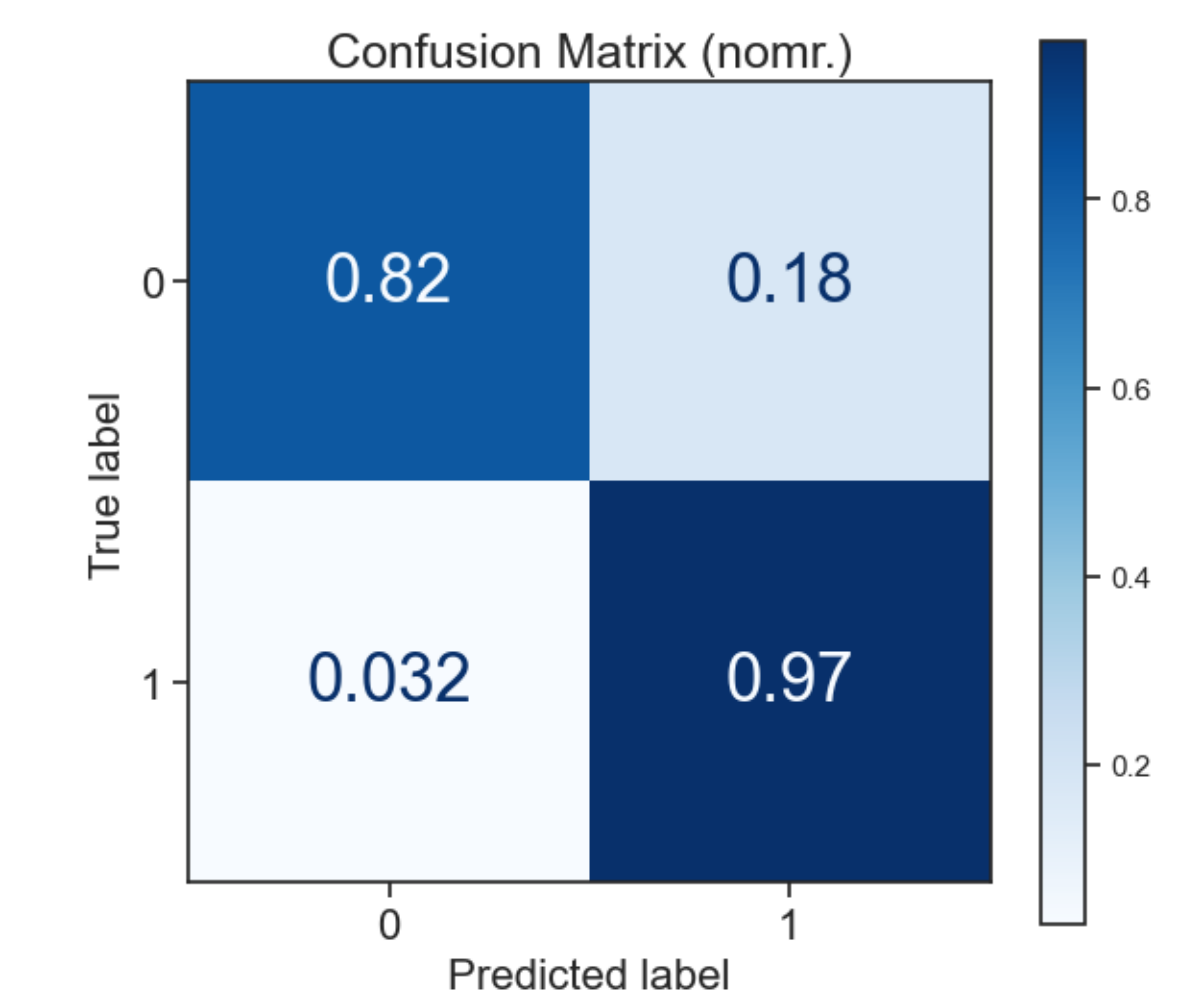
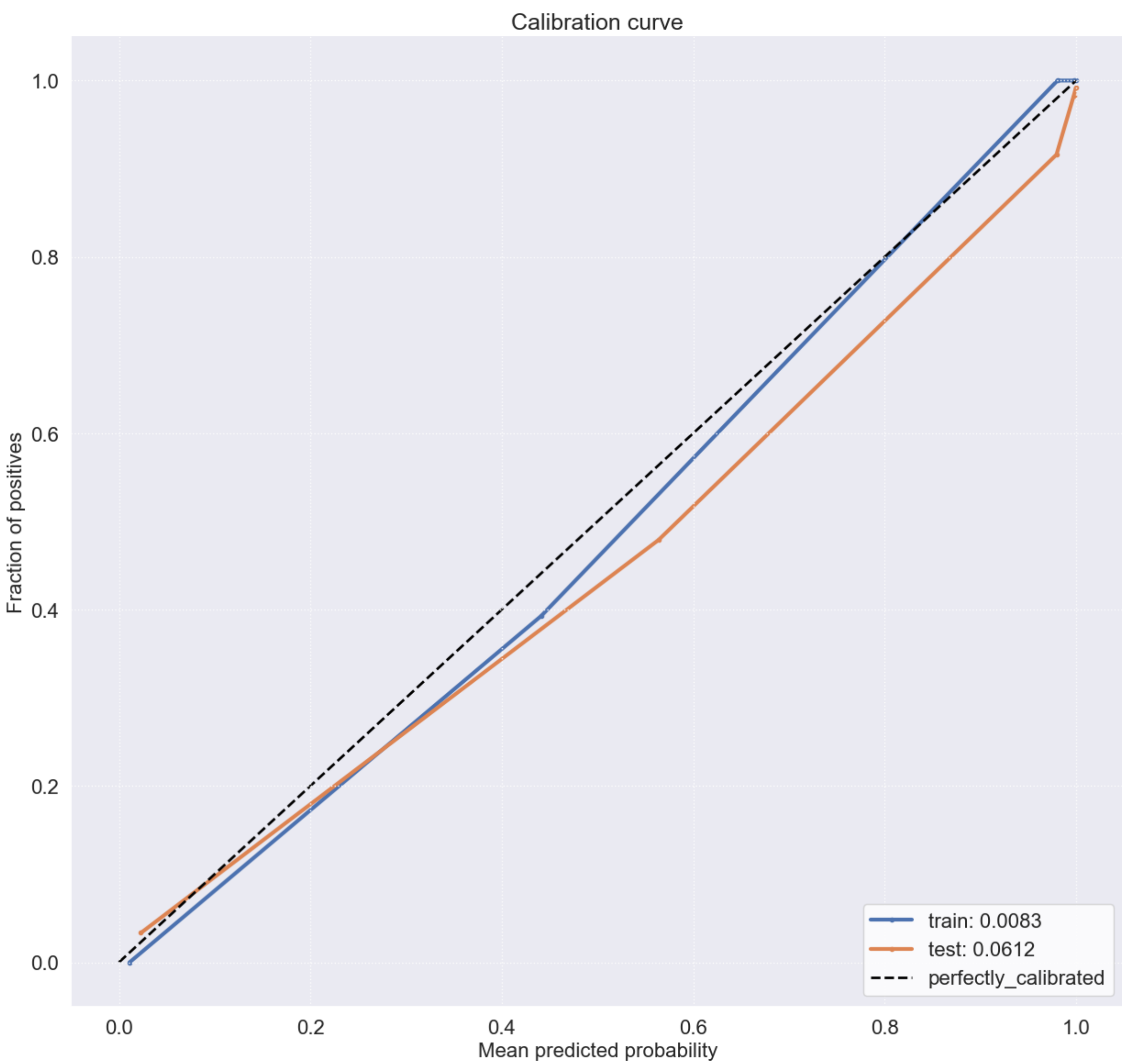
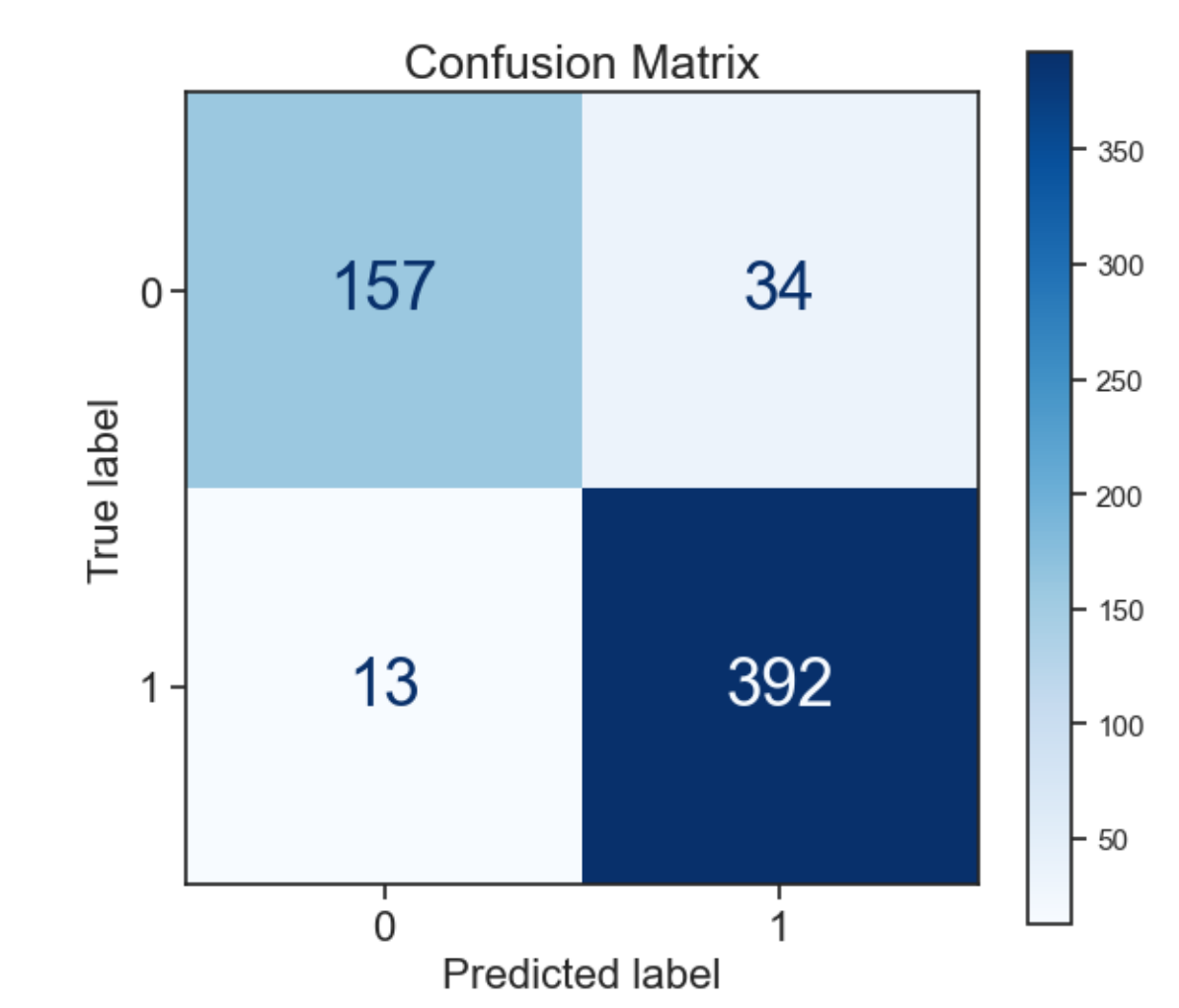


Protein: P0DMS8 - metric: balanced_accuracy

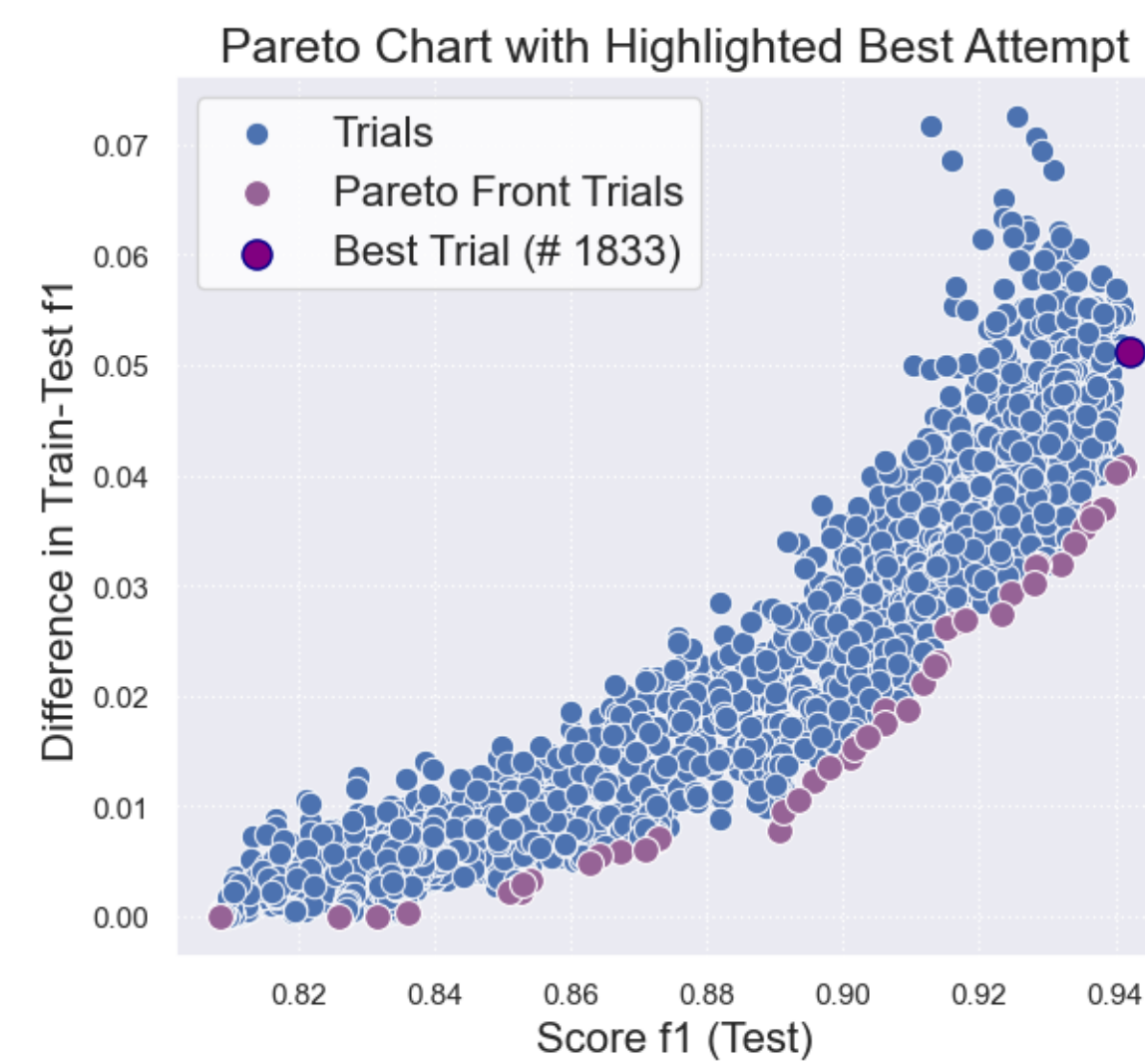
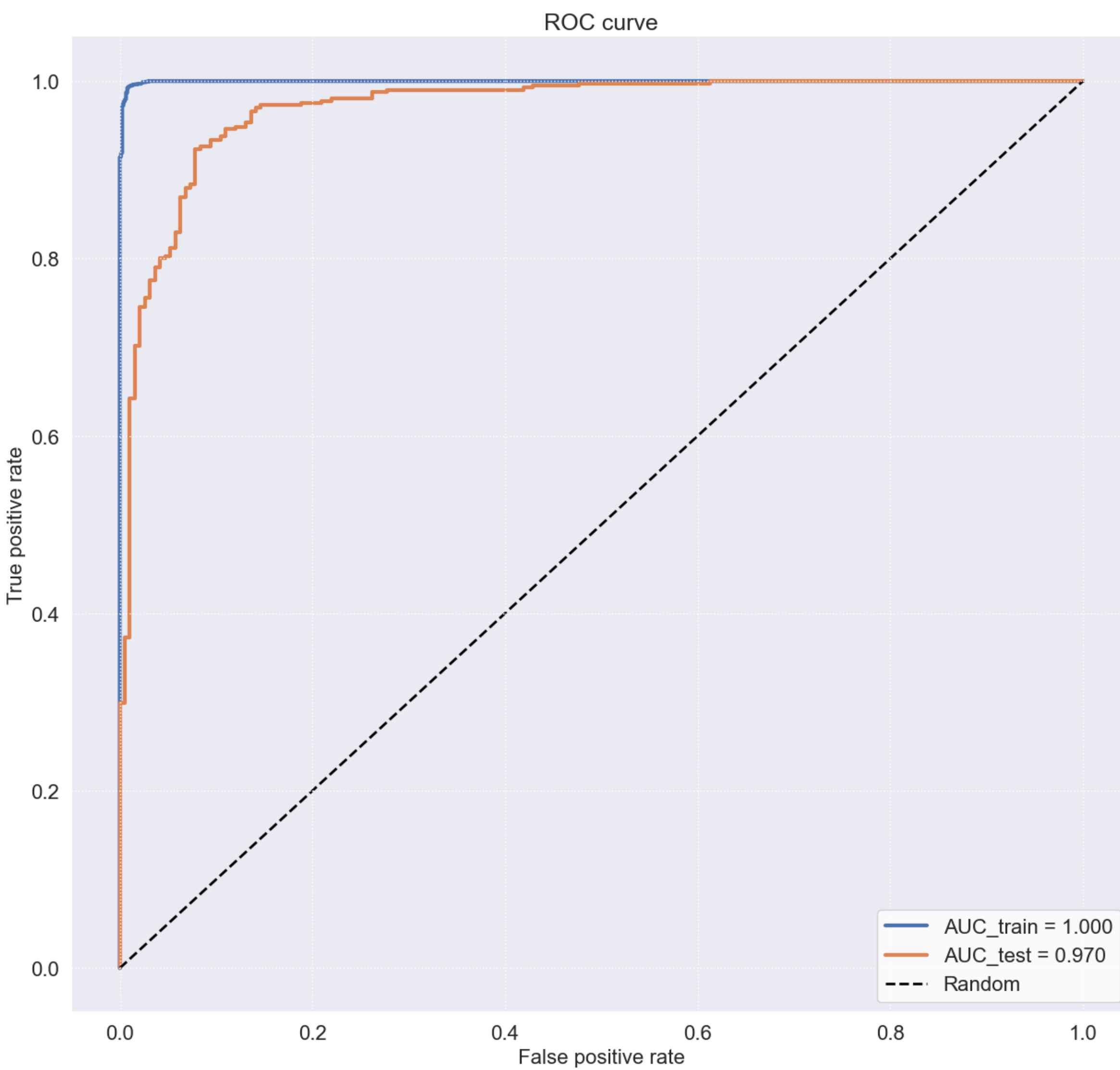
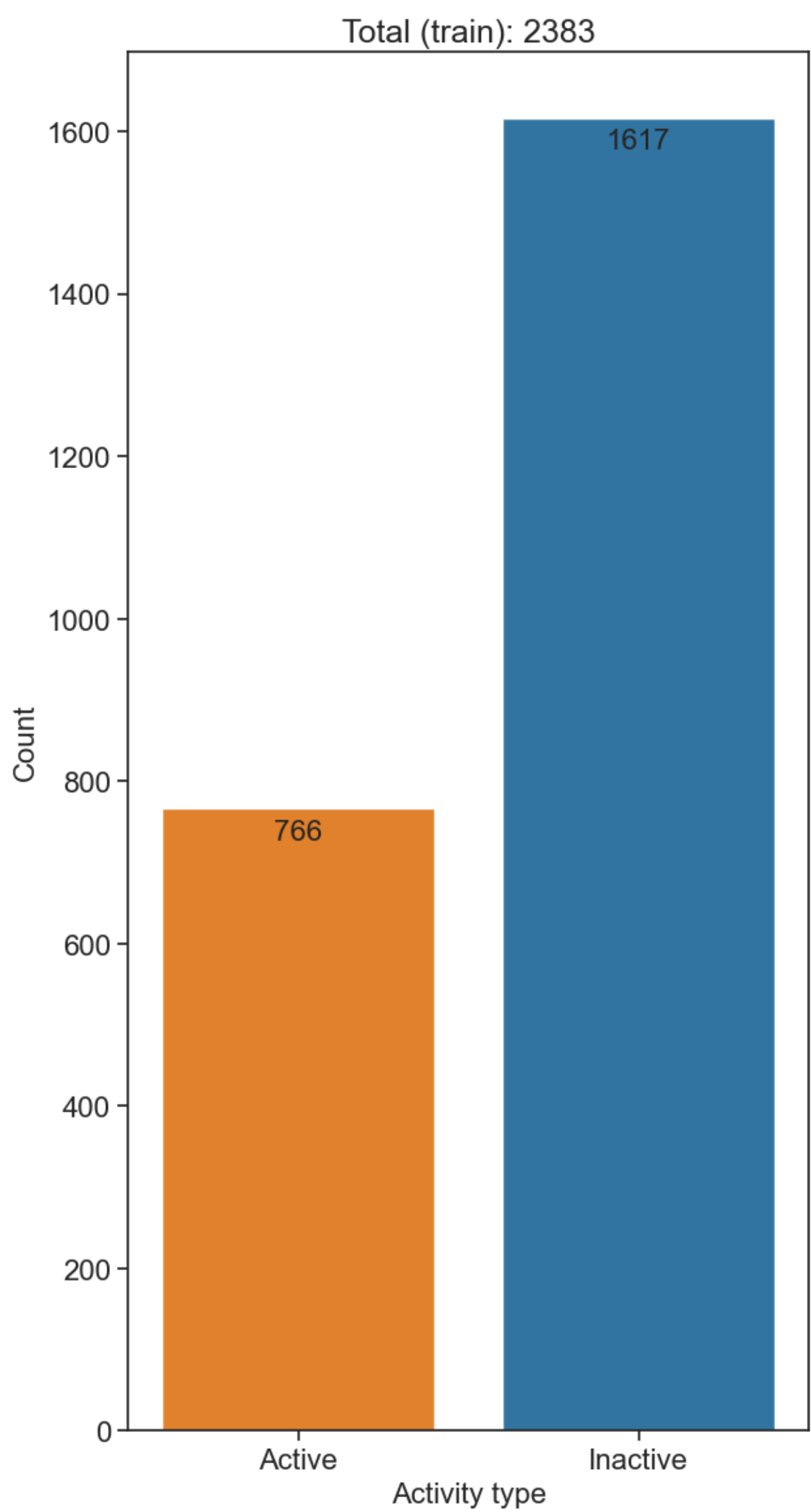


XGBoost Parameters	Value
alpha	4.4229
colsample_bytree	0.5403
gamma	0.2269
lambda	3.0044
learning_rate	0.2146
max_depth	8.0
min_child_weight	4.0
n_estimators	590.0
reg_alpha	0.2304
reg_lambda	0.1212
scale_pos_weight	1.5177
subsample	0.8084

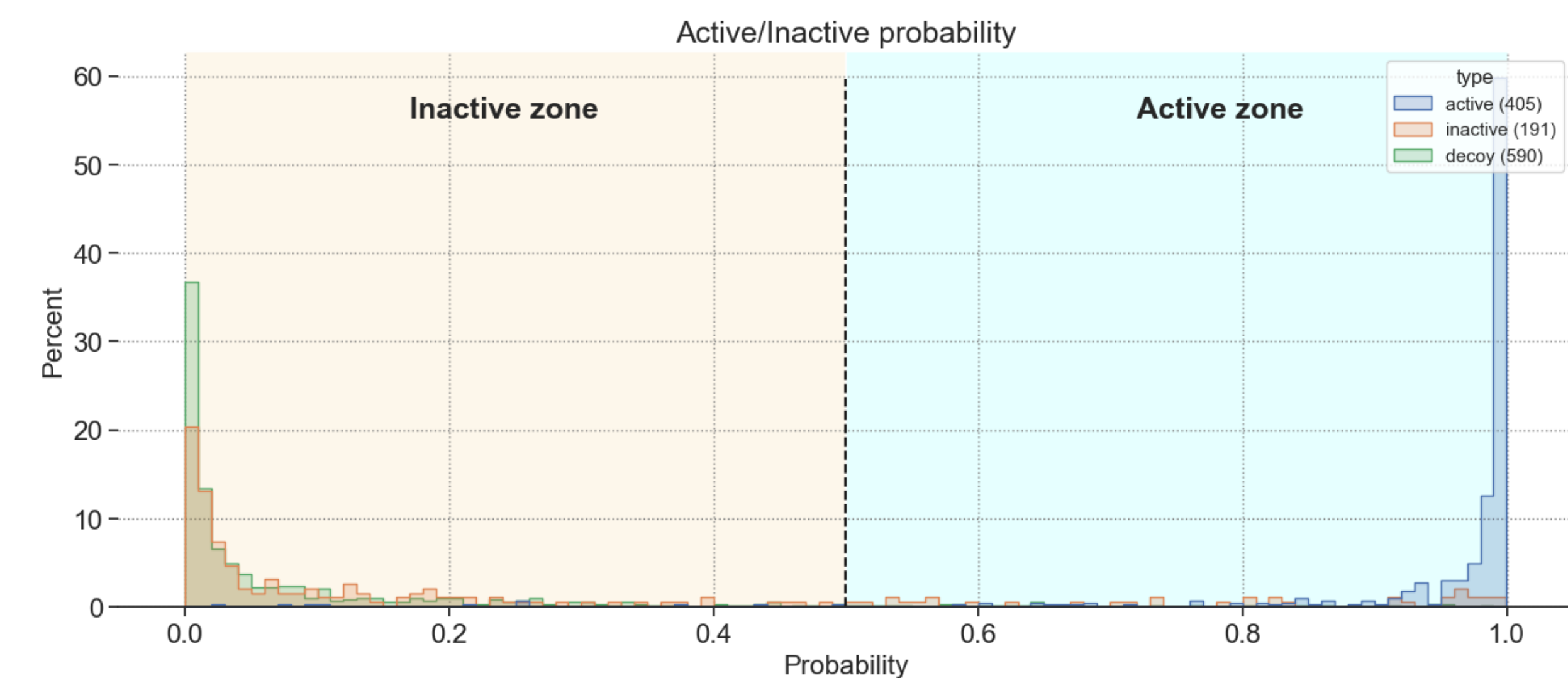
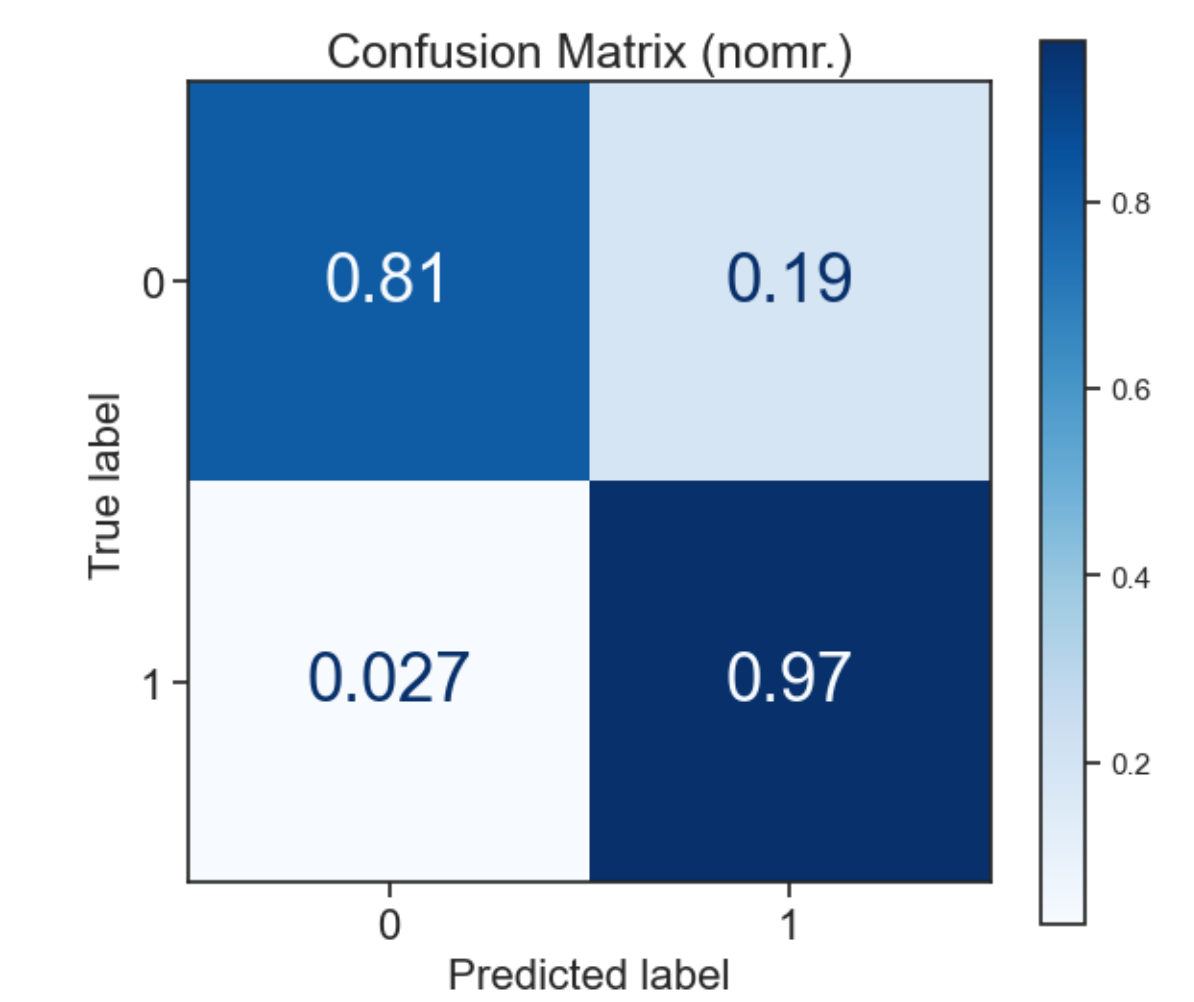
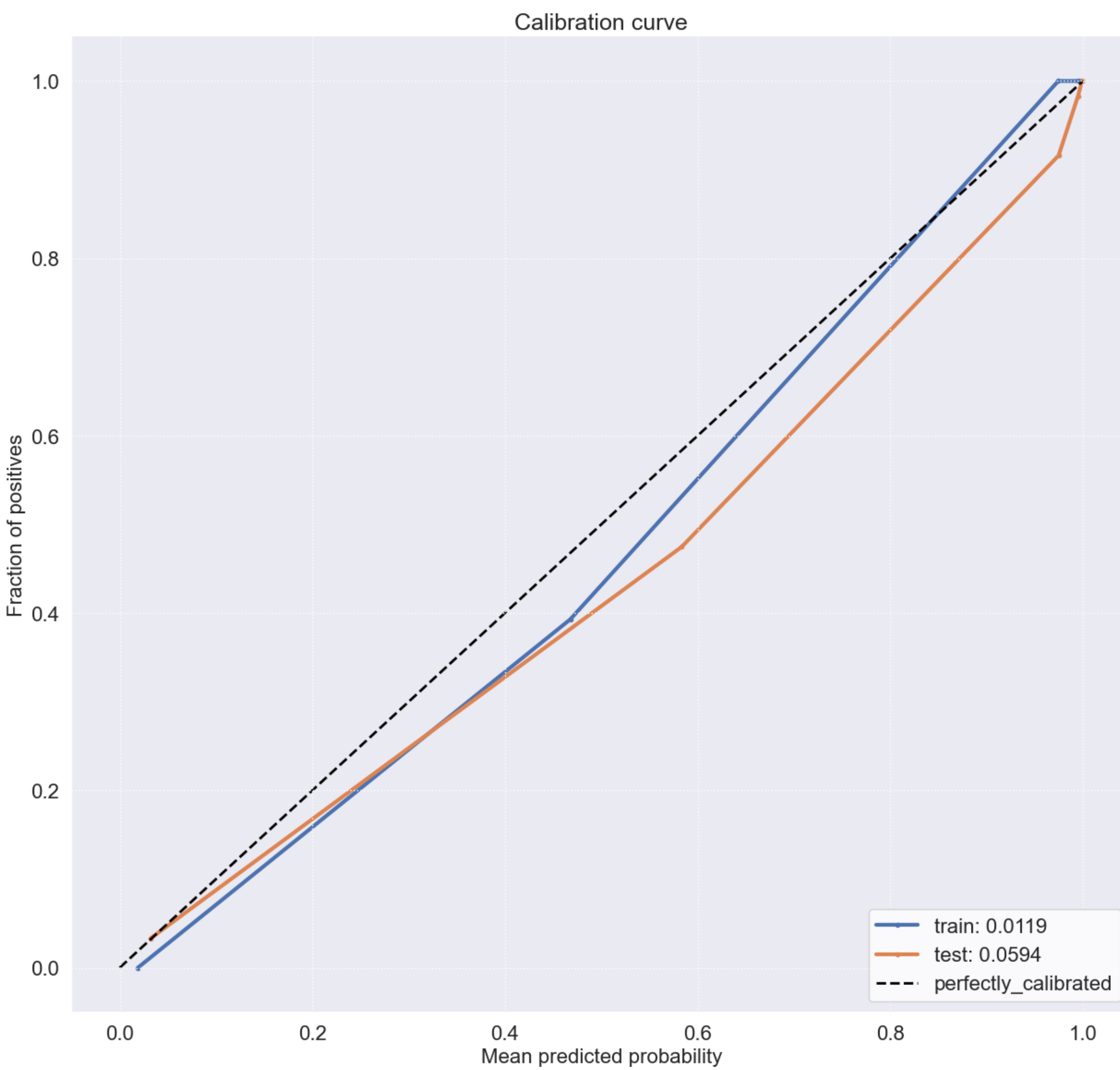
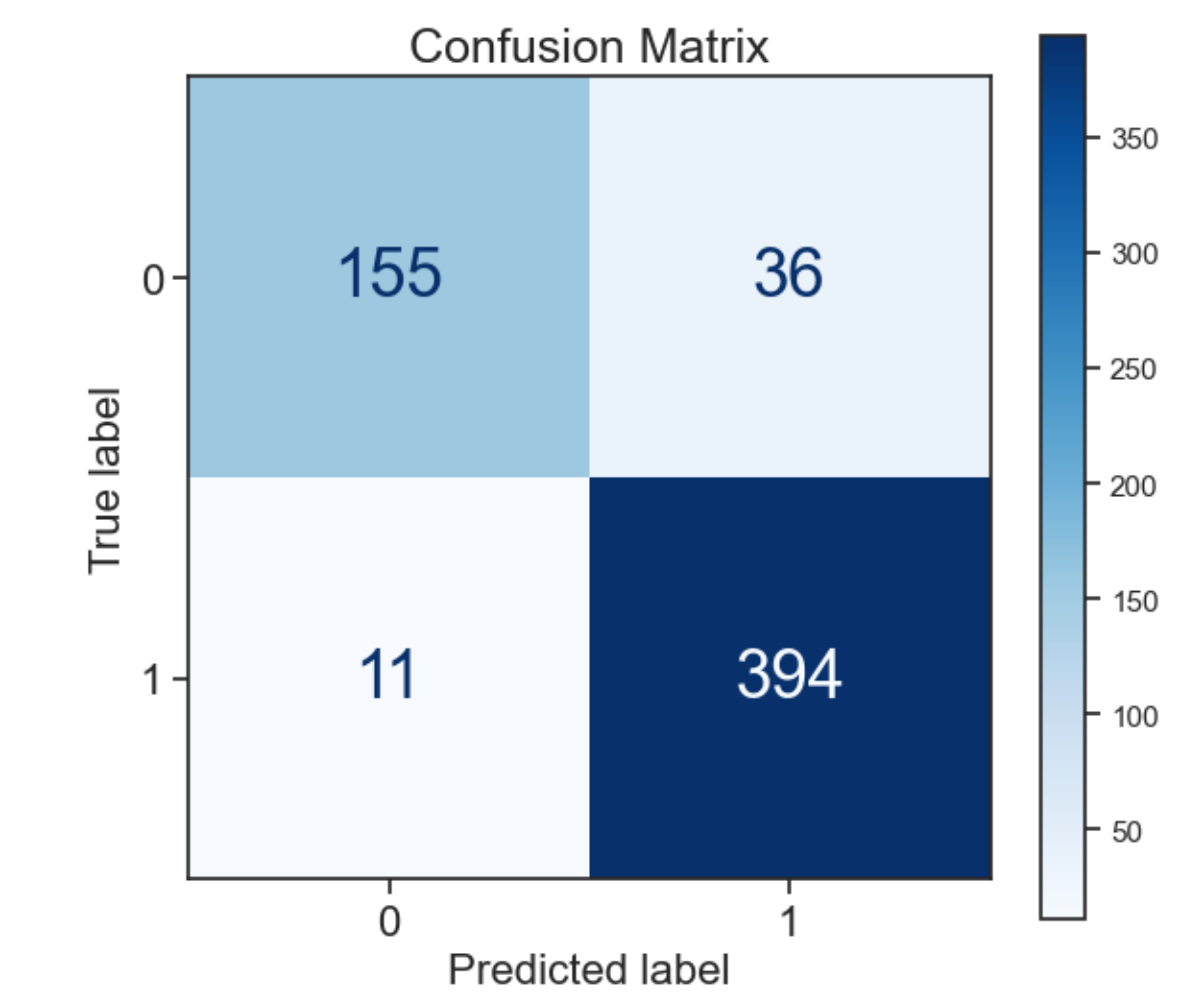


Metric	Train	Test
AUC	0.9997	0.9673
accuracy	0.9929	0.9211
balanced accuracy	0.9892	0.8949
recall_(sens)	0.9994	0.9679
specificity	0.9791	0.822
precision	0.9902	0.9202
f1_score	0.9928	0.9198

Protein: P0DMS8 - metric: f1

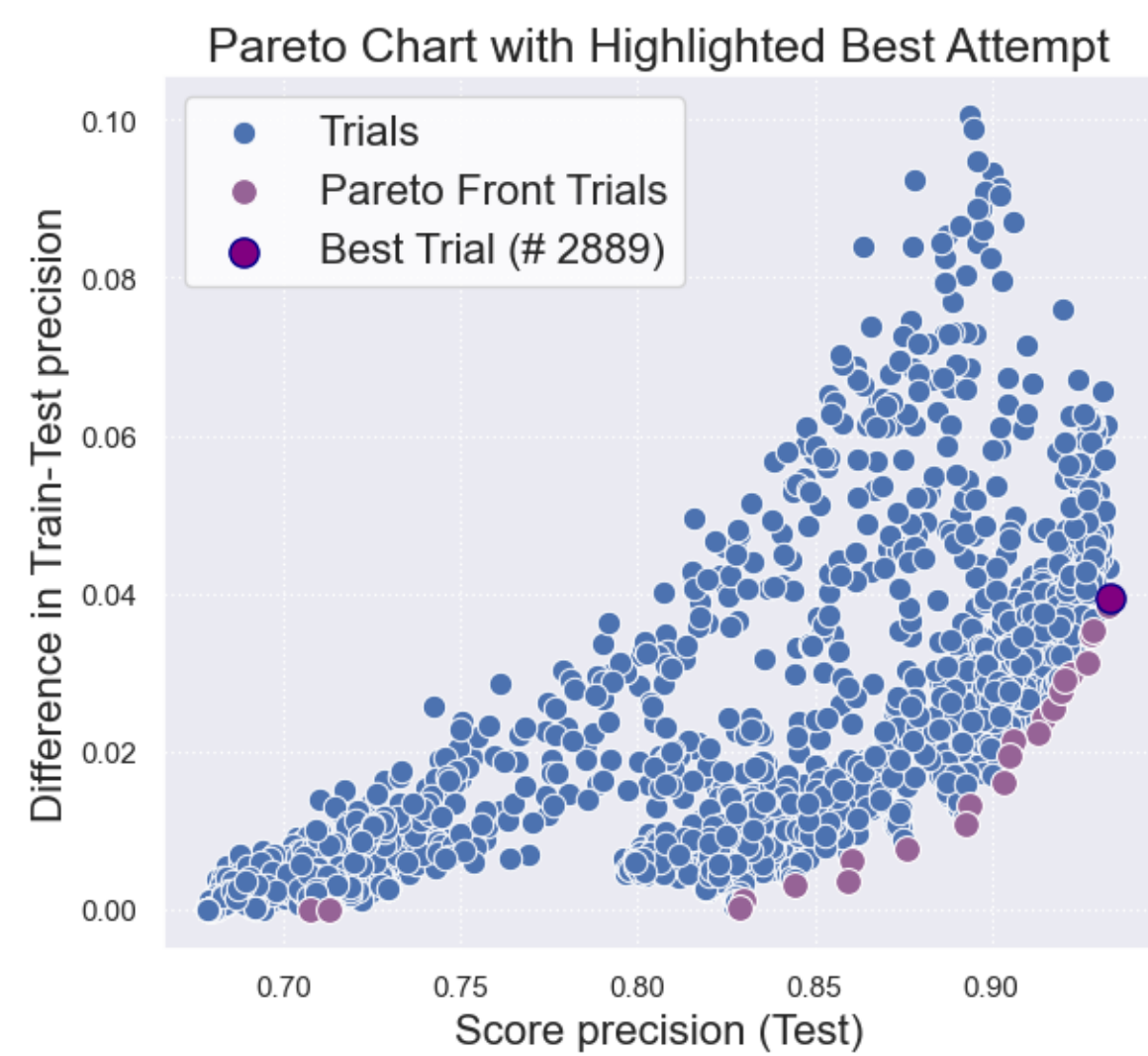
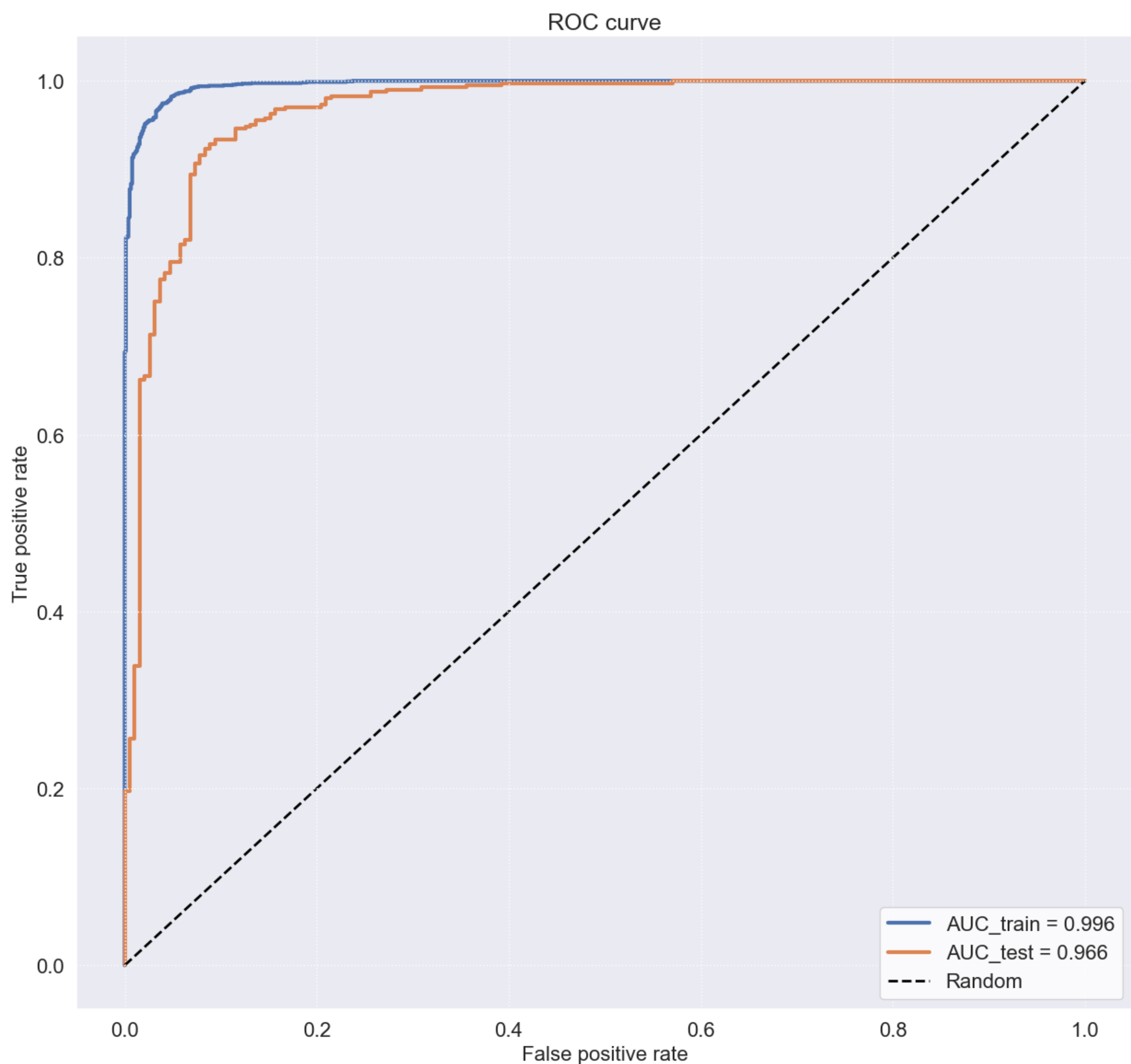
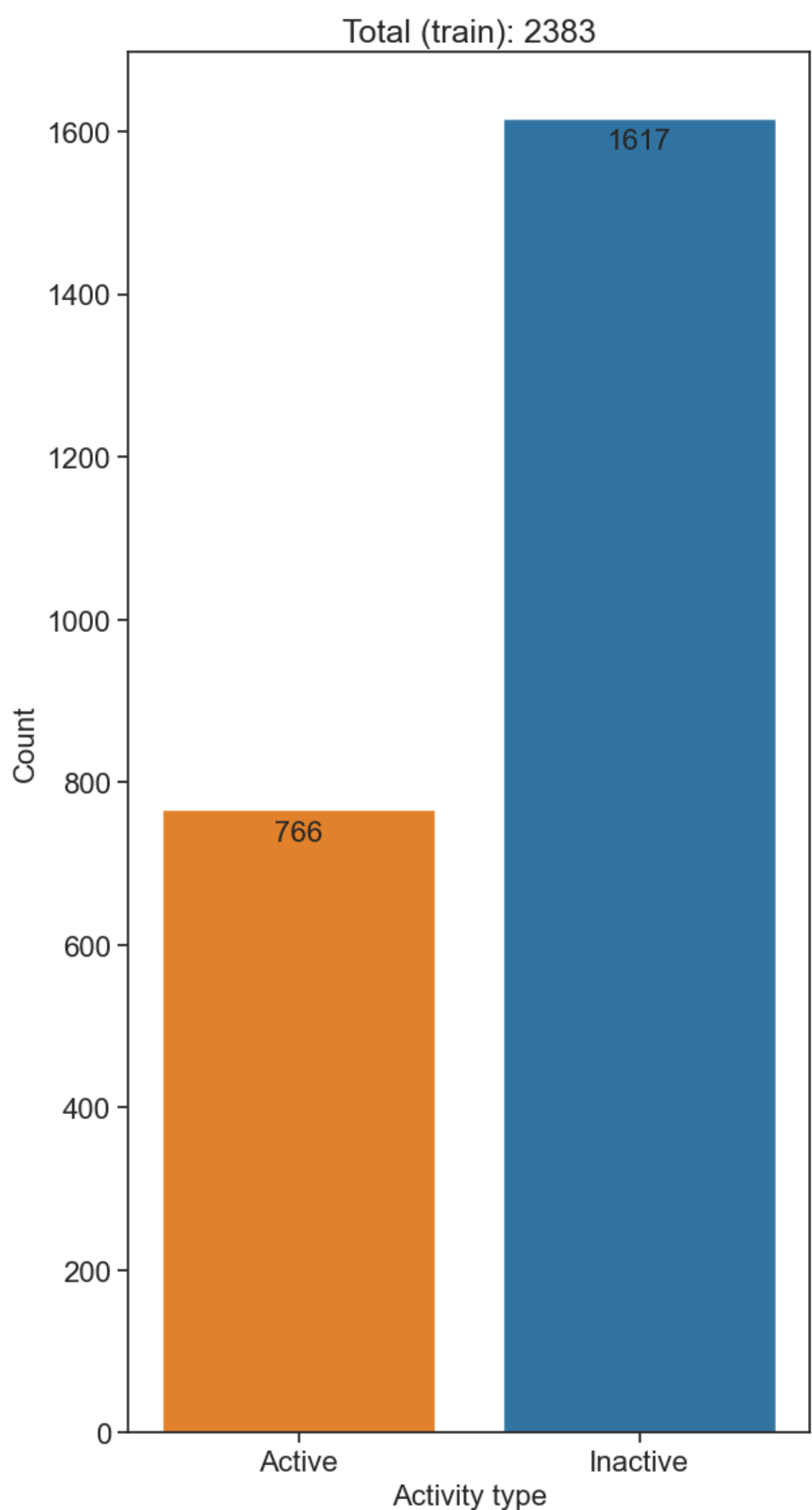


XGBoost Parameters	Value
alpha	1.1022
colsample_bytree	0.867
gamma	0.7208
lambda	0.7644
learning_rate	0.0645
max_depth	6.0
min_child_weight	1.0
n_estimators	754.0
reg_alpha	0.2685
reg_lambda	0.4458
scale_pos_weight	1.7358
subsample	0.5831

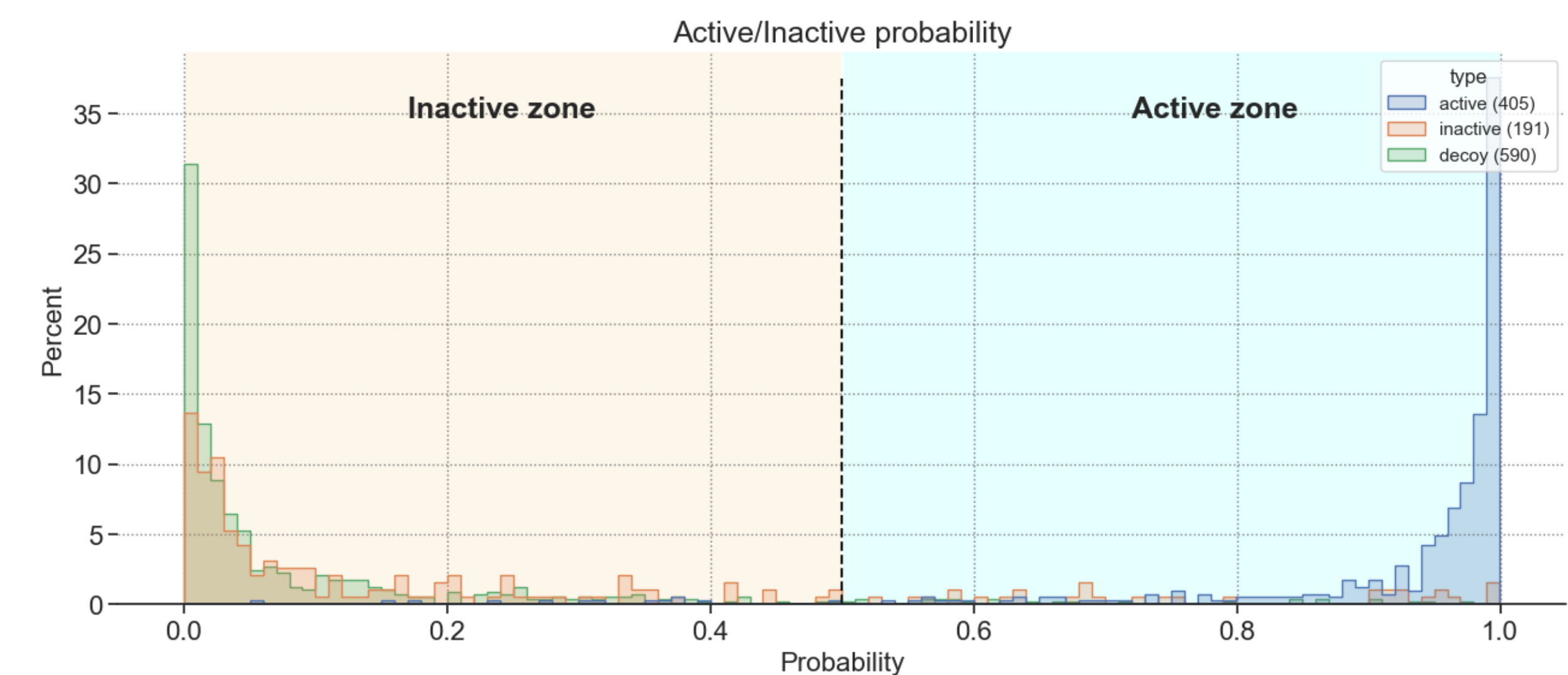
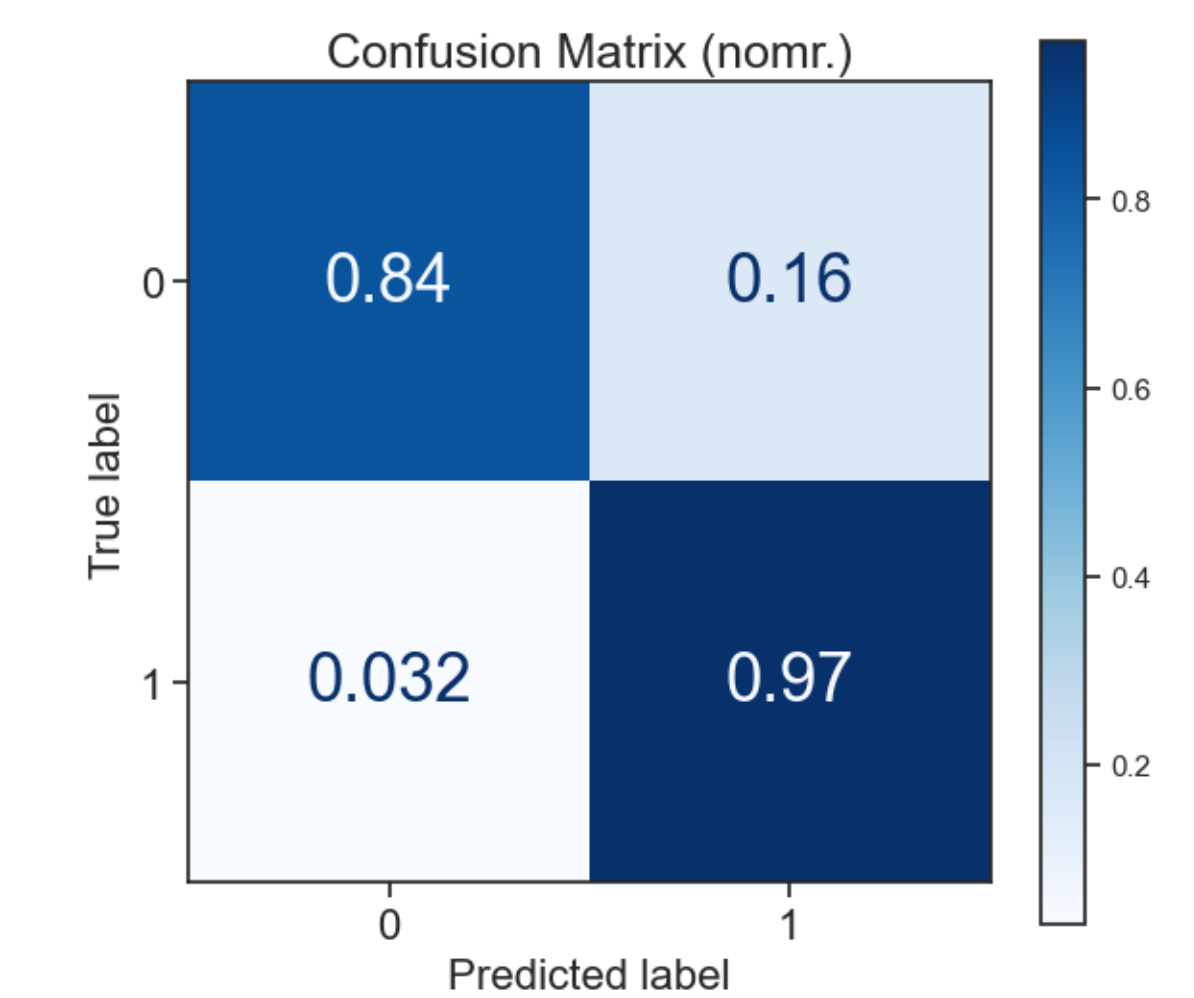
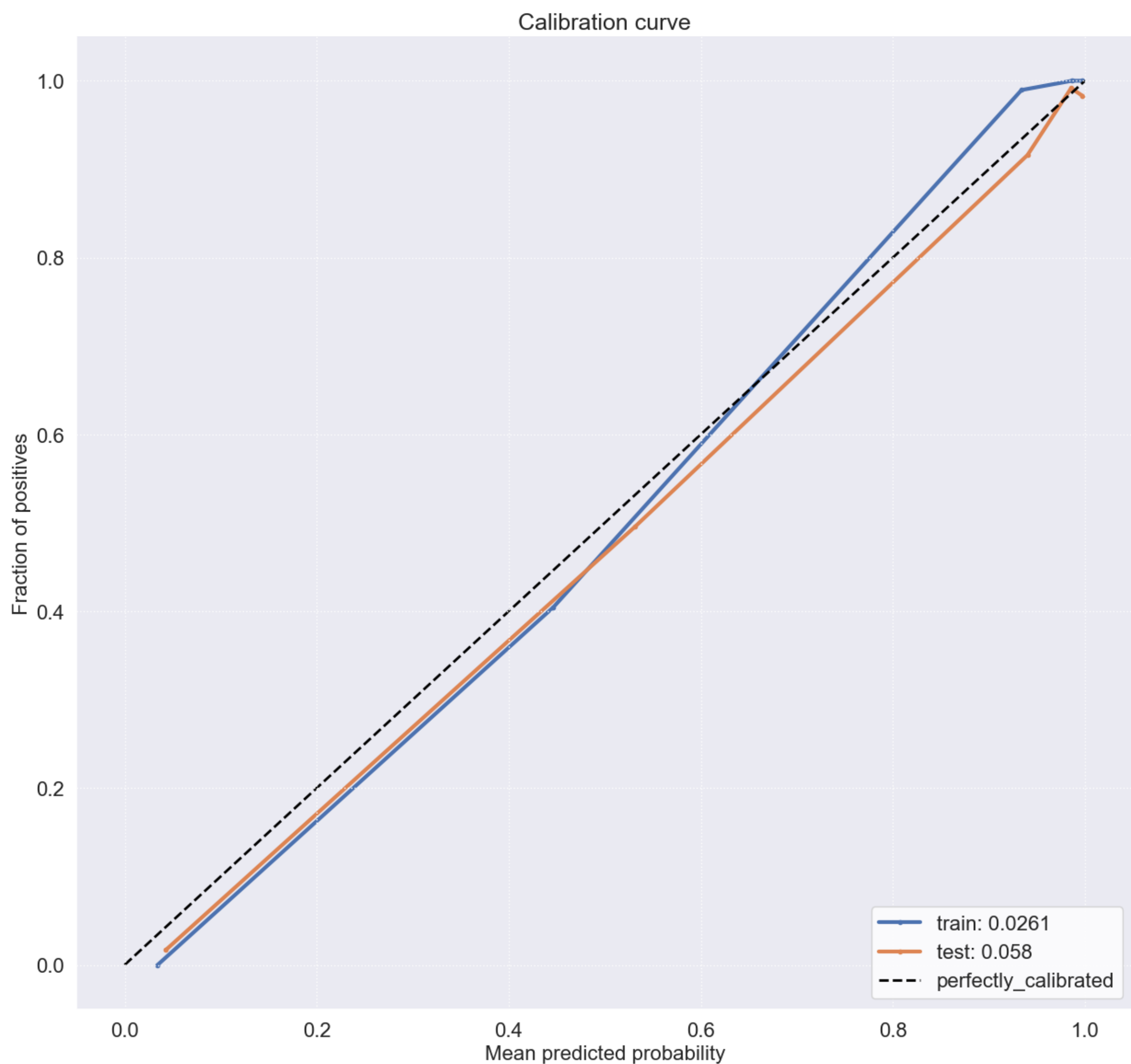
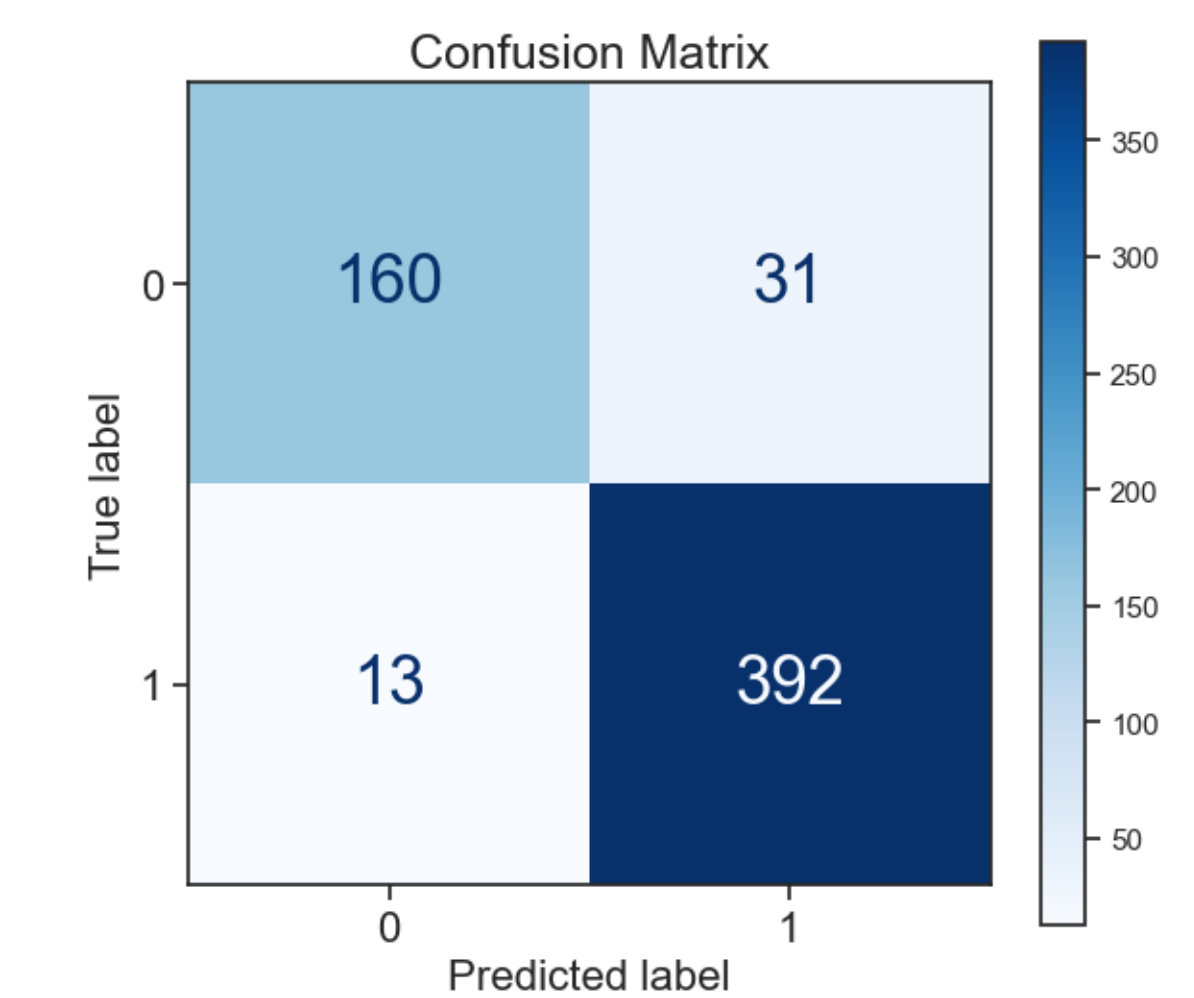


Metric	Train	Test
AUC	0.9996	0.97
accuracy	0.9899	0.9211
balanced accuracy	0.9843	0.8922
recall_(sens)	1.0	0.9728
specificity	0.9687	0.8115
precision	0.9854	0.9163
f1_score	0.9899	0.9196

Protein: P0DMS8 - metric: precision

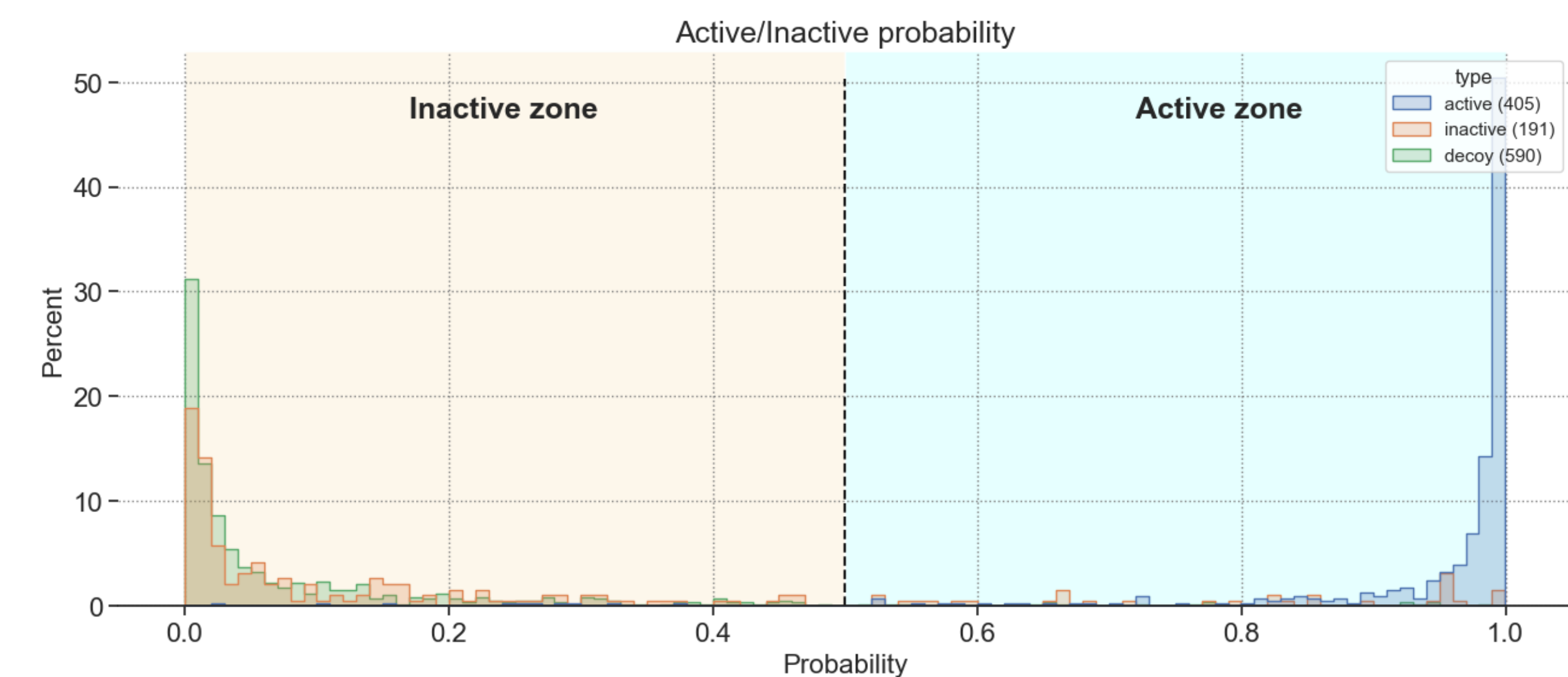
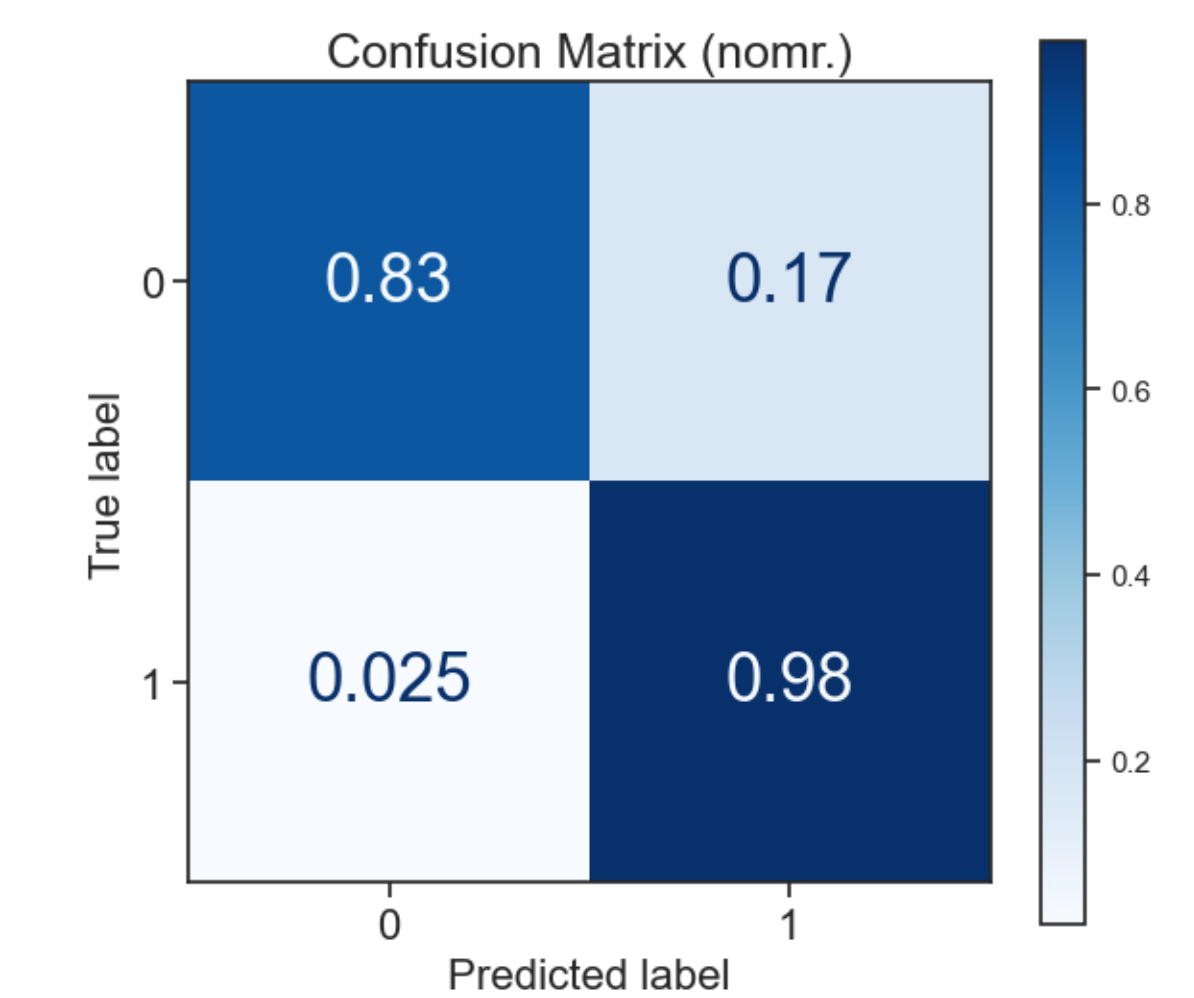
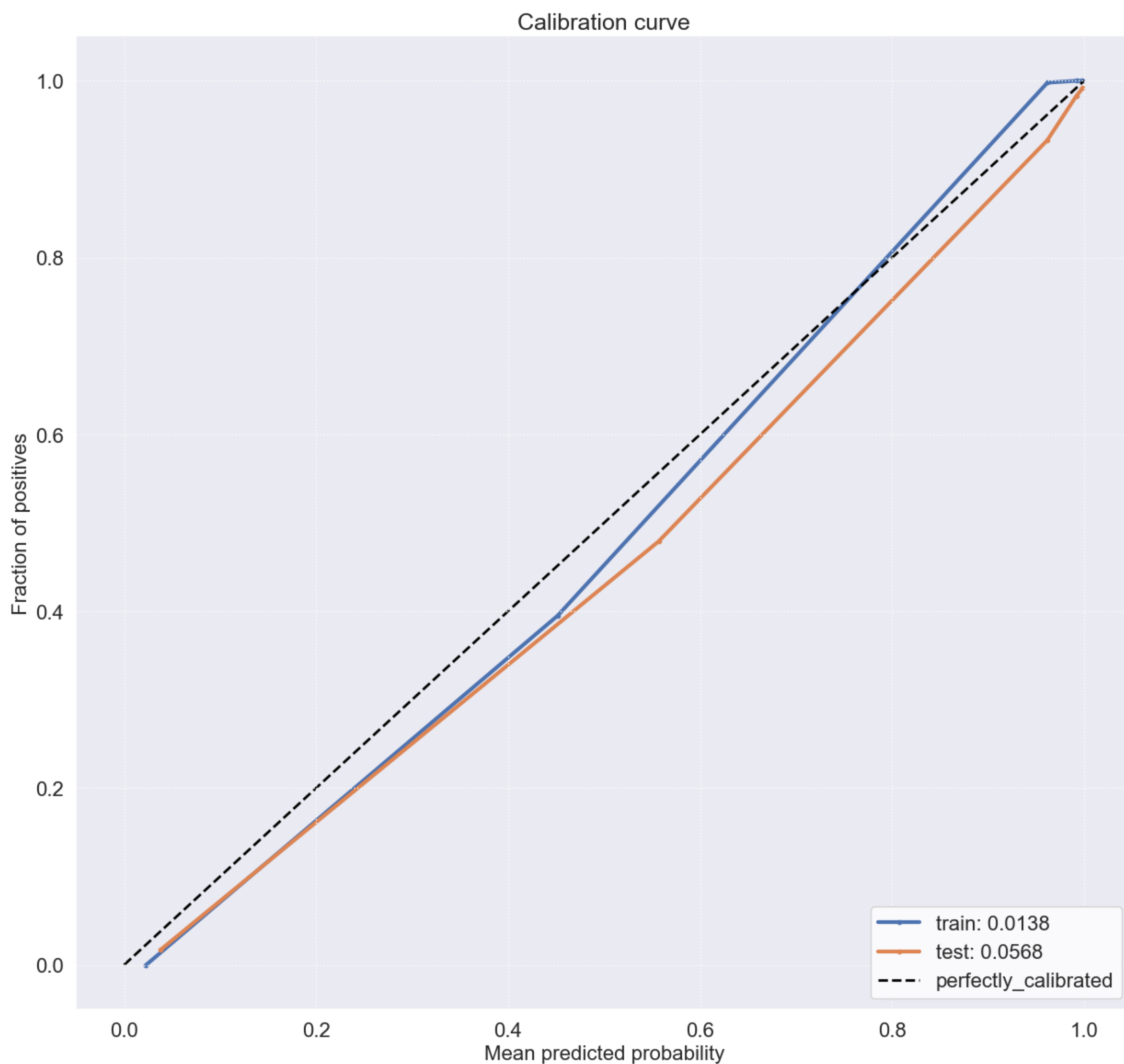
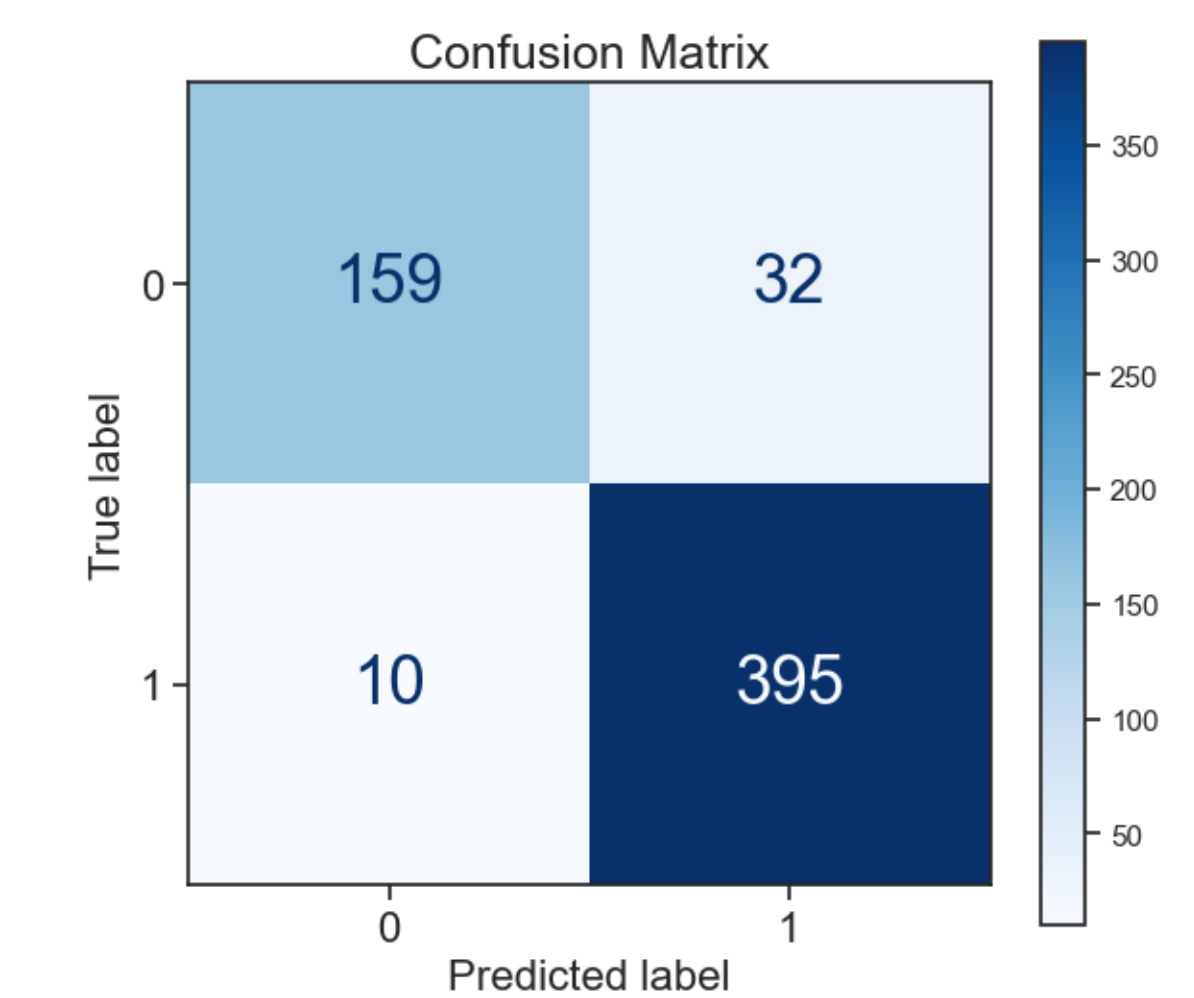
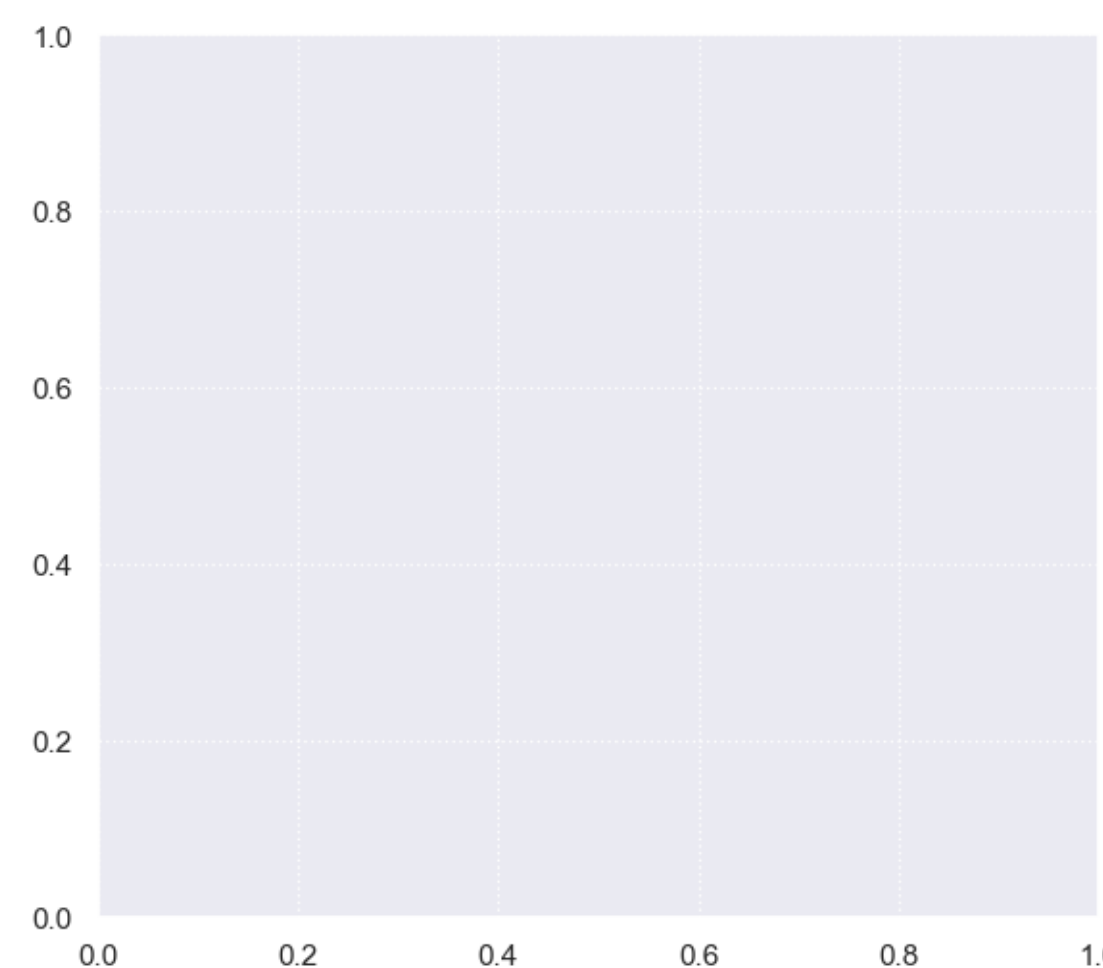
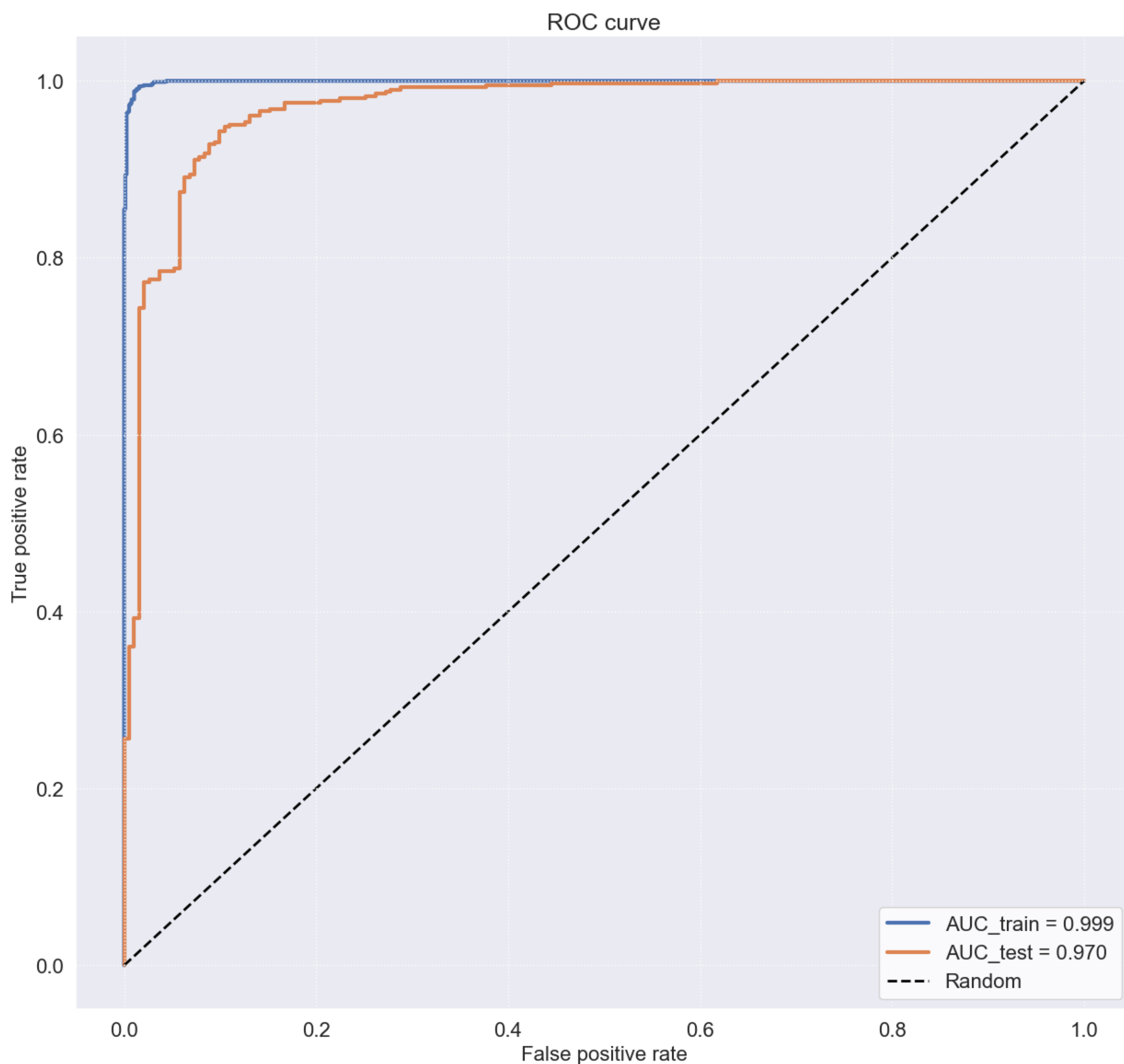
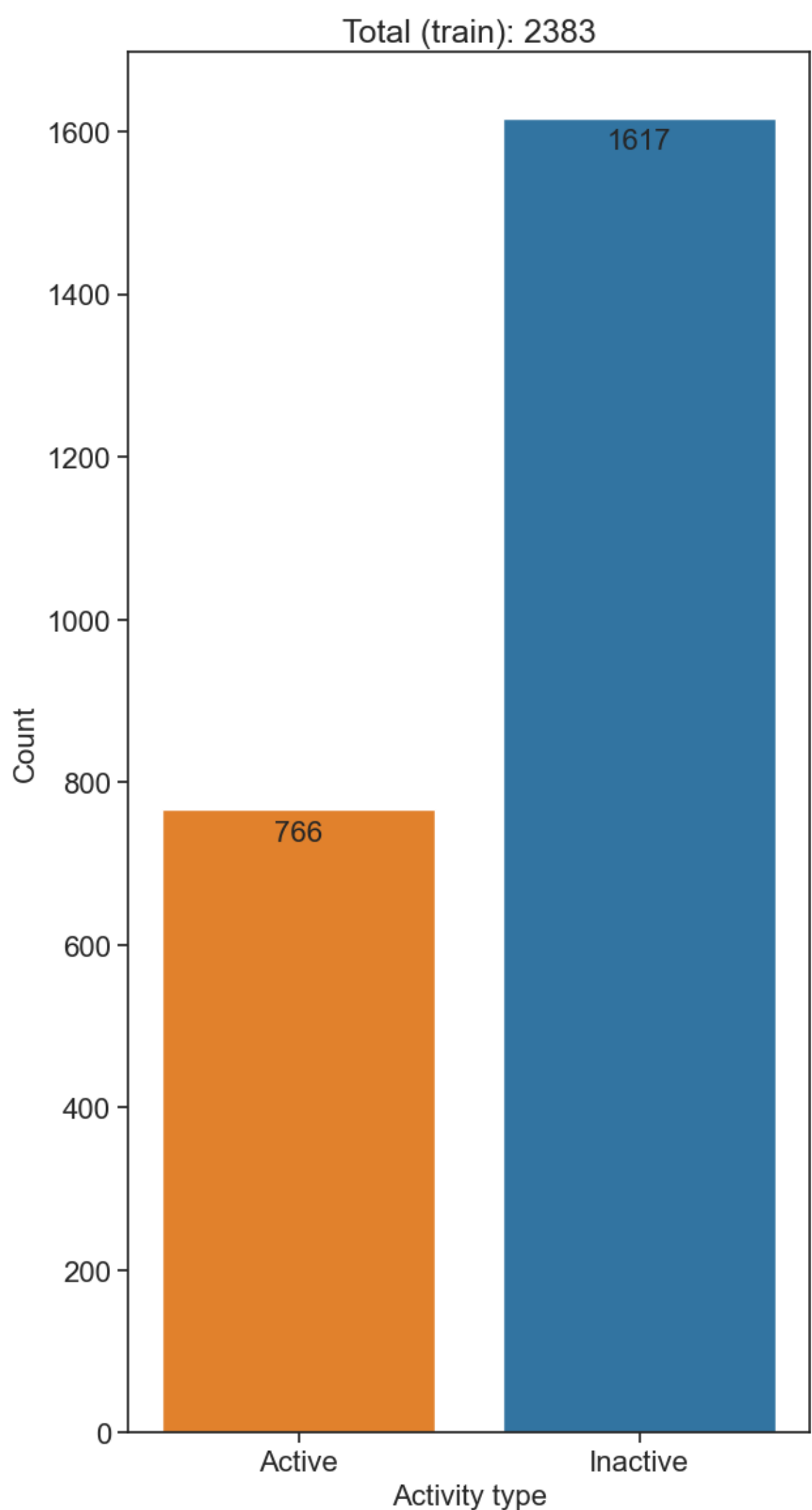


XGBoost Parameters	Value
alpha	0.0502
colsample_bytree	0.9592
gamma	0.8755
lambda	0.0397
learning_rate	0.1315
max_depth	3.0
min_child_weight	1.0
n_estimators	555.0
reg_alpha	0.6885
reg_lambda	0.4809
scale_pos_weight	1.0143
subsample	0.6221



Metric	Train	Test
AUC	0.9959	0.9662
accuracy	0.9723	0.9262
balanced accuracy	0.9645	0.9028
recall_(sens)	0.9864	0.9679
specificity	0.9426	0.8377
precision	0.9732	0.9267
f1_score	0.9722	0.9252

Protein: P0DMS8 - metric: SoftVotingXGBoostEnsemble



Metric	Train	Test
AUC	0.9993	0.9697
accuracy	0.9891	0.9295
balanced accuracy	0.9841	0.9039
recall_(sens)	0.9981	0.9753
specificity	0.97	0.8325
precision	0.9859	0.9251
f1_score	0.9891	0.9283