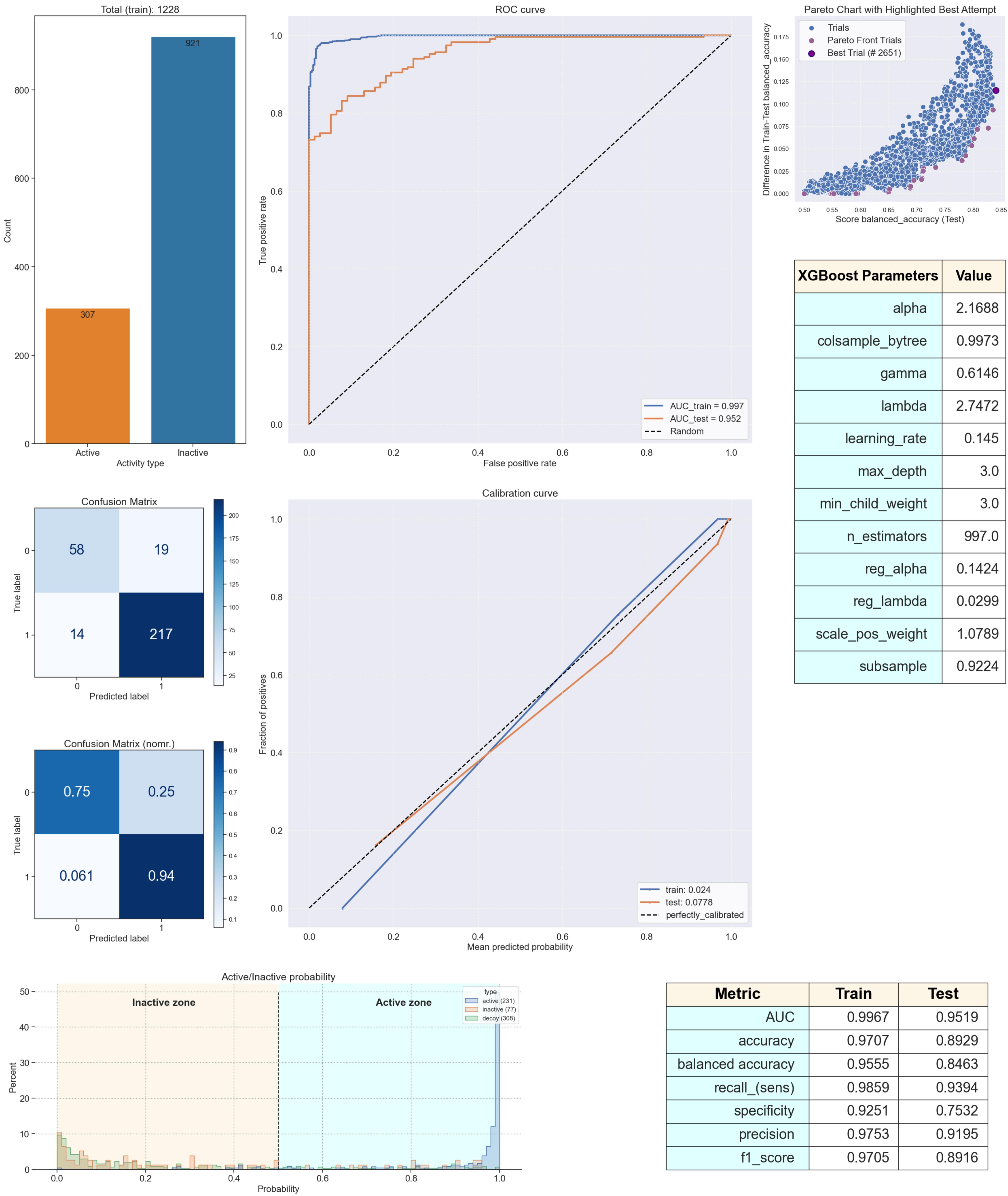
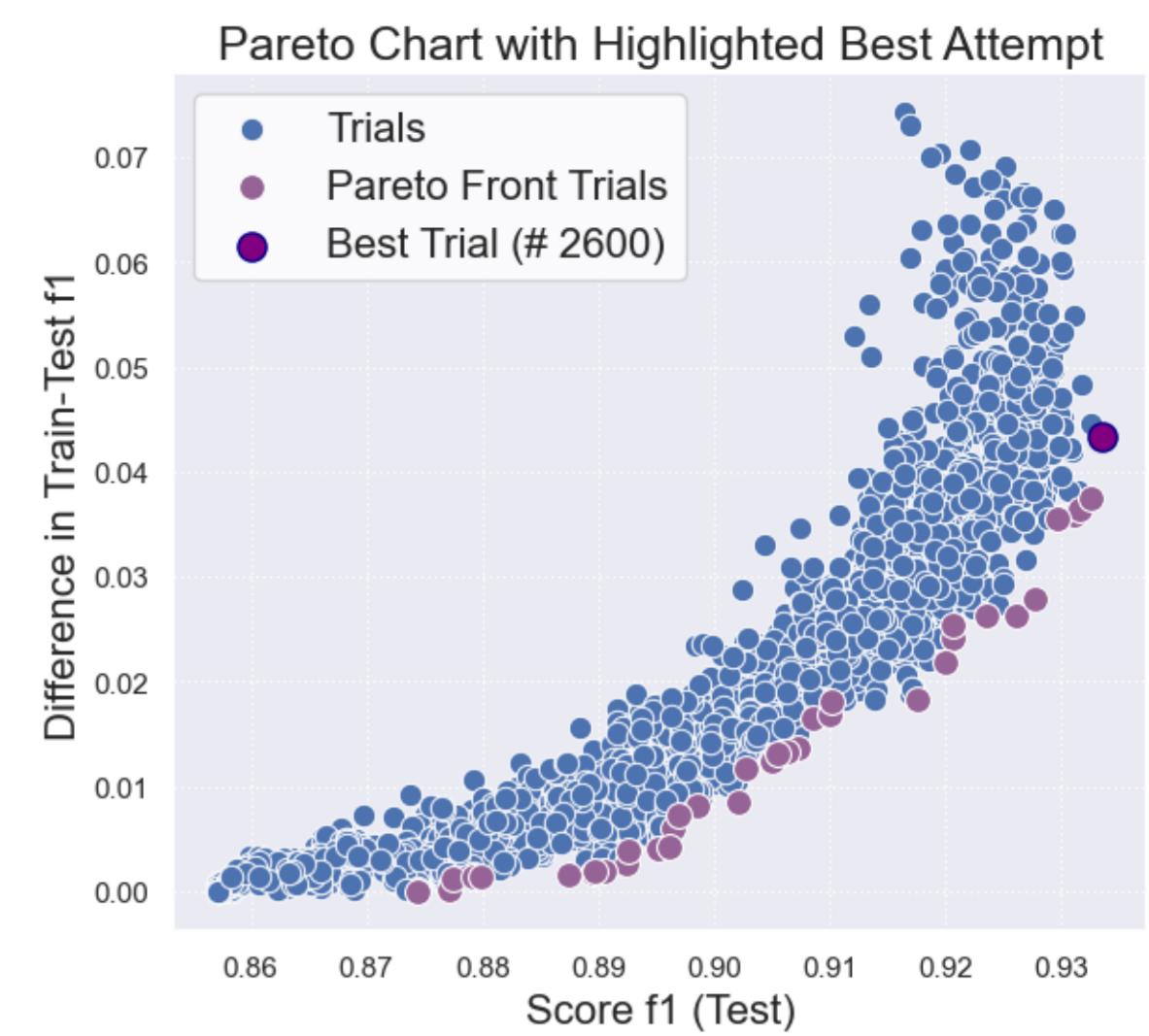
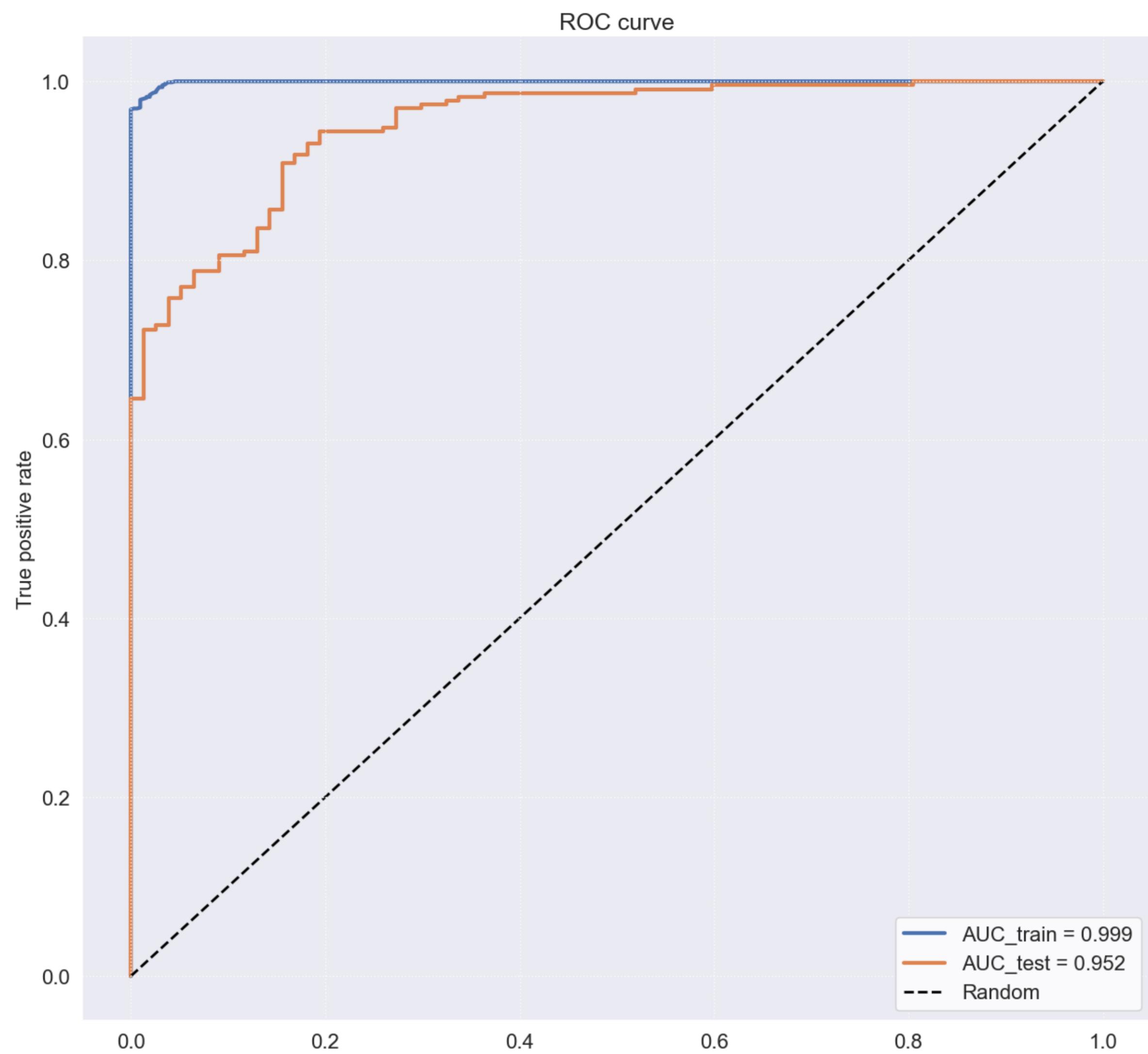
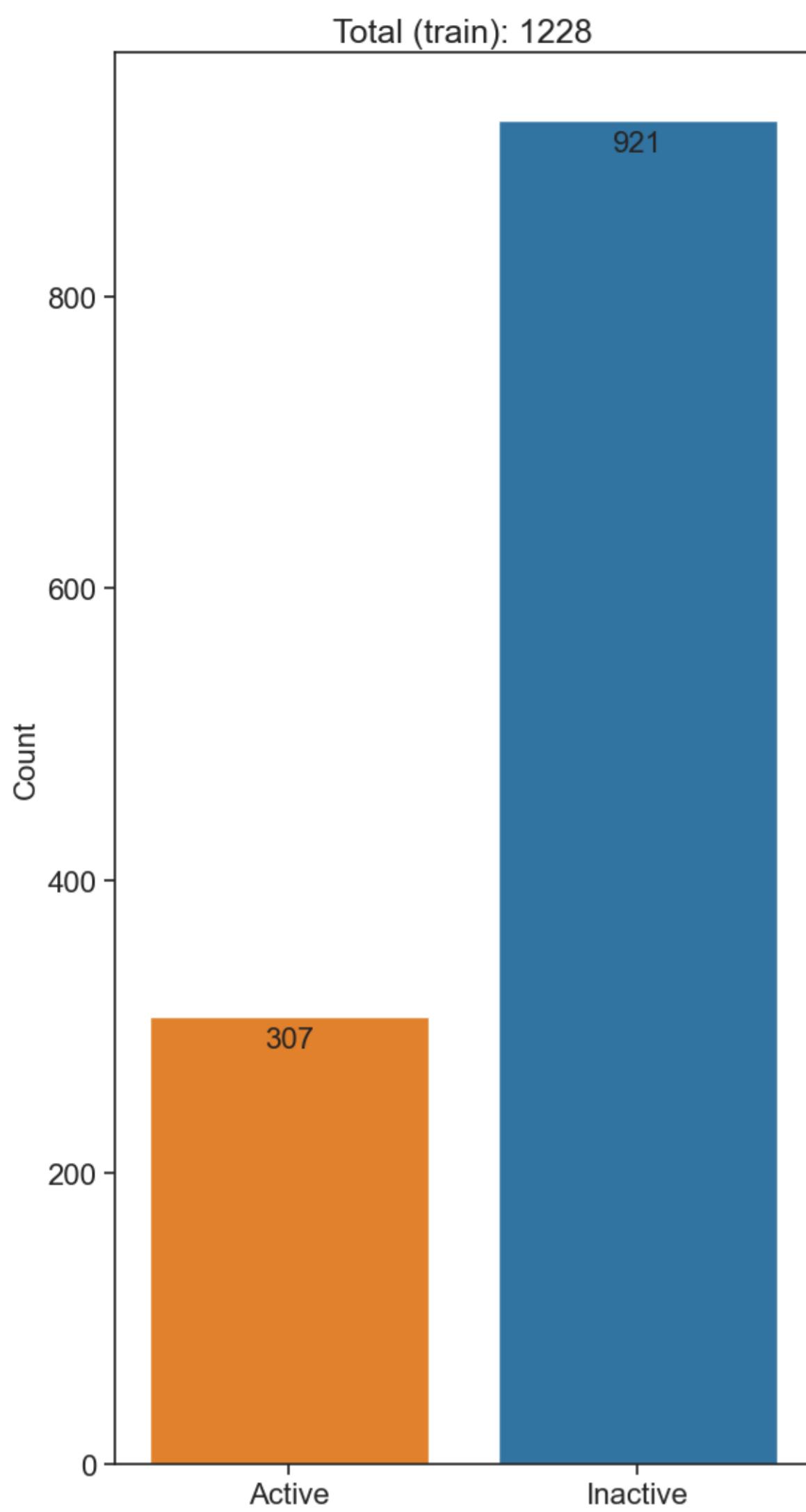


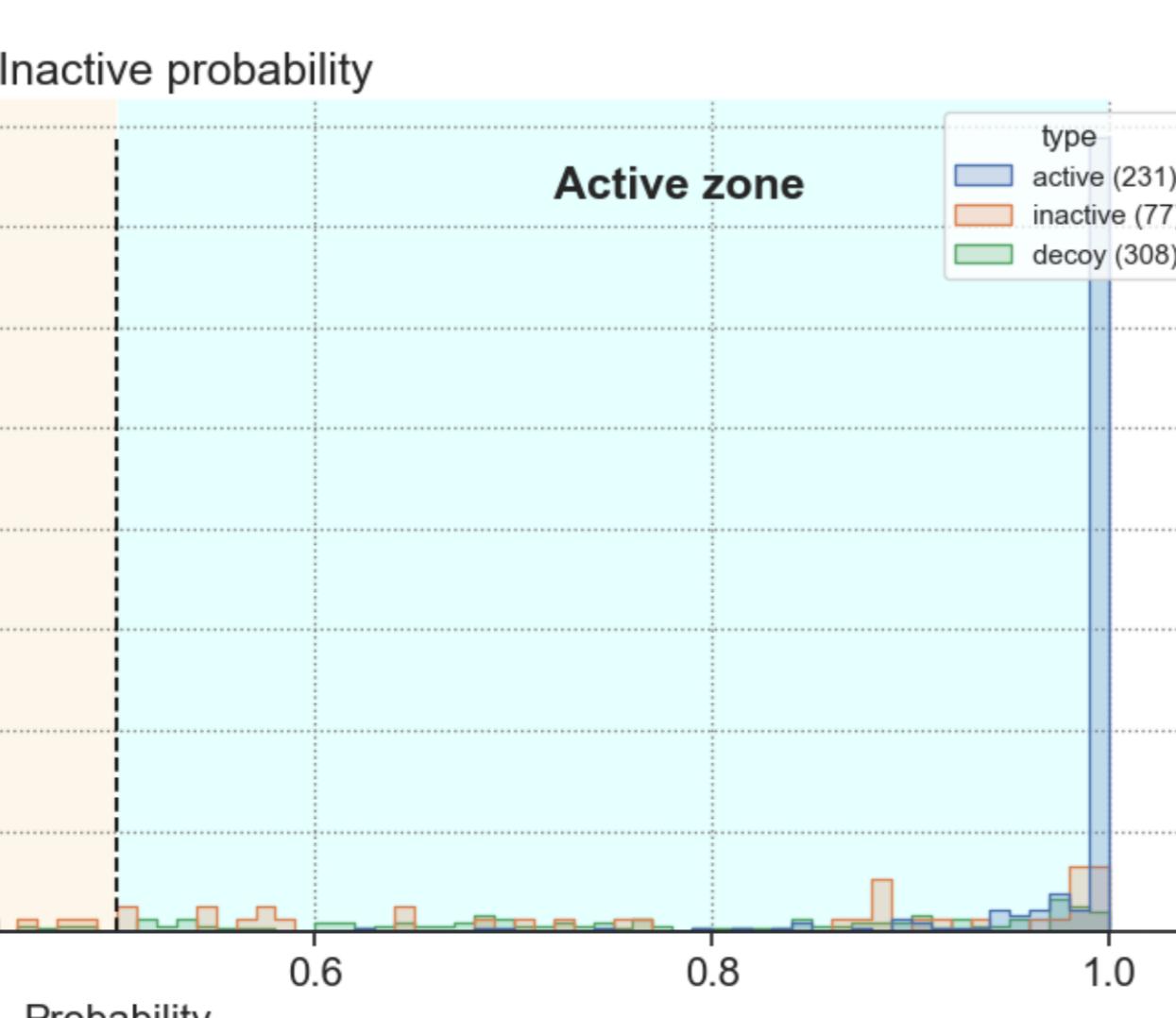
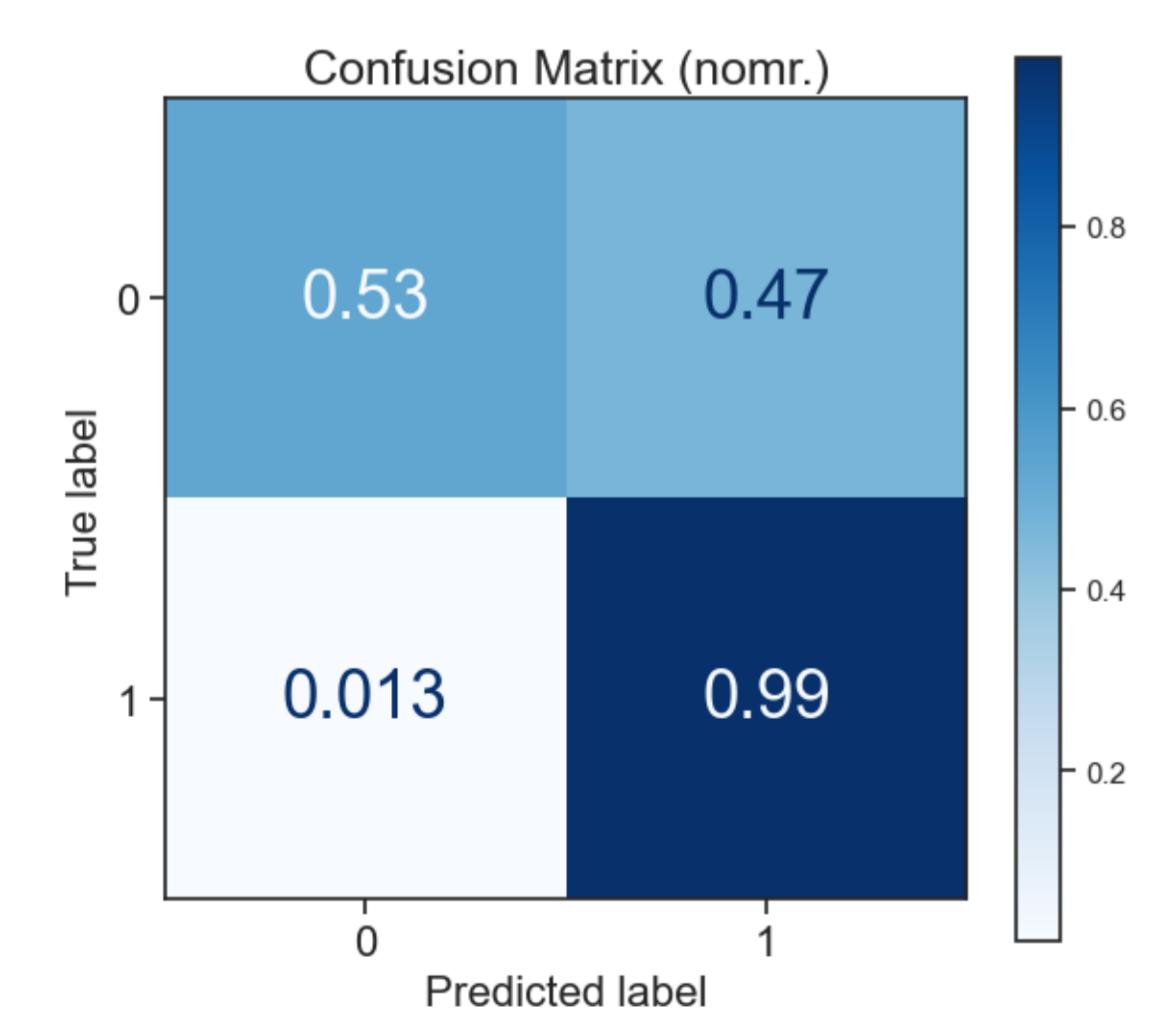
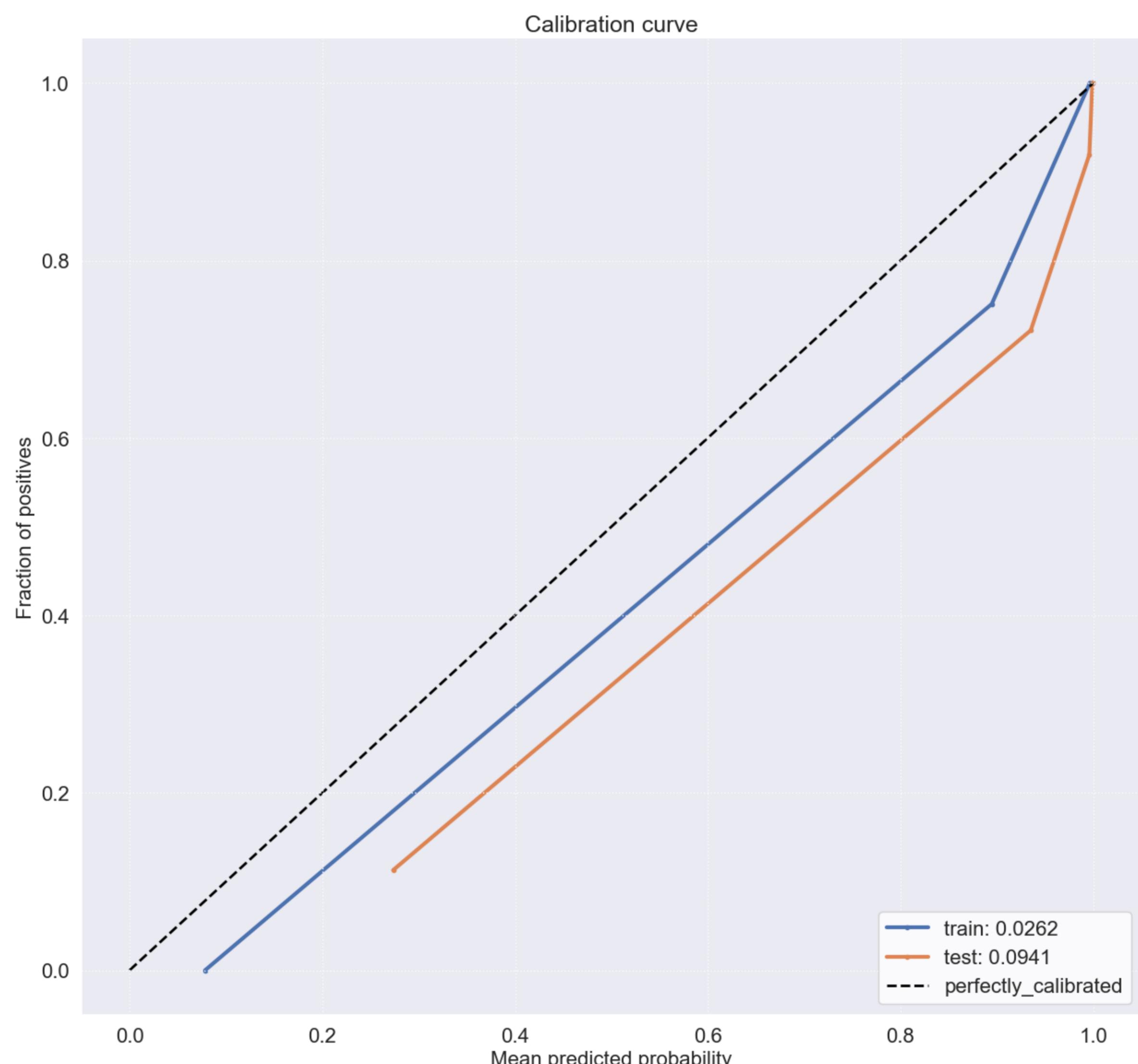
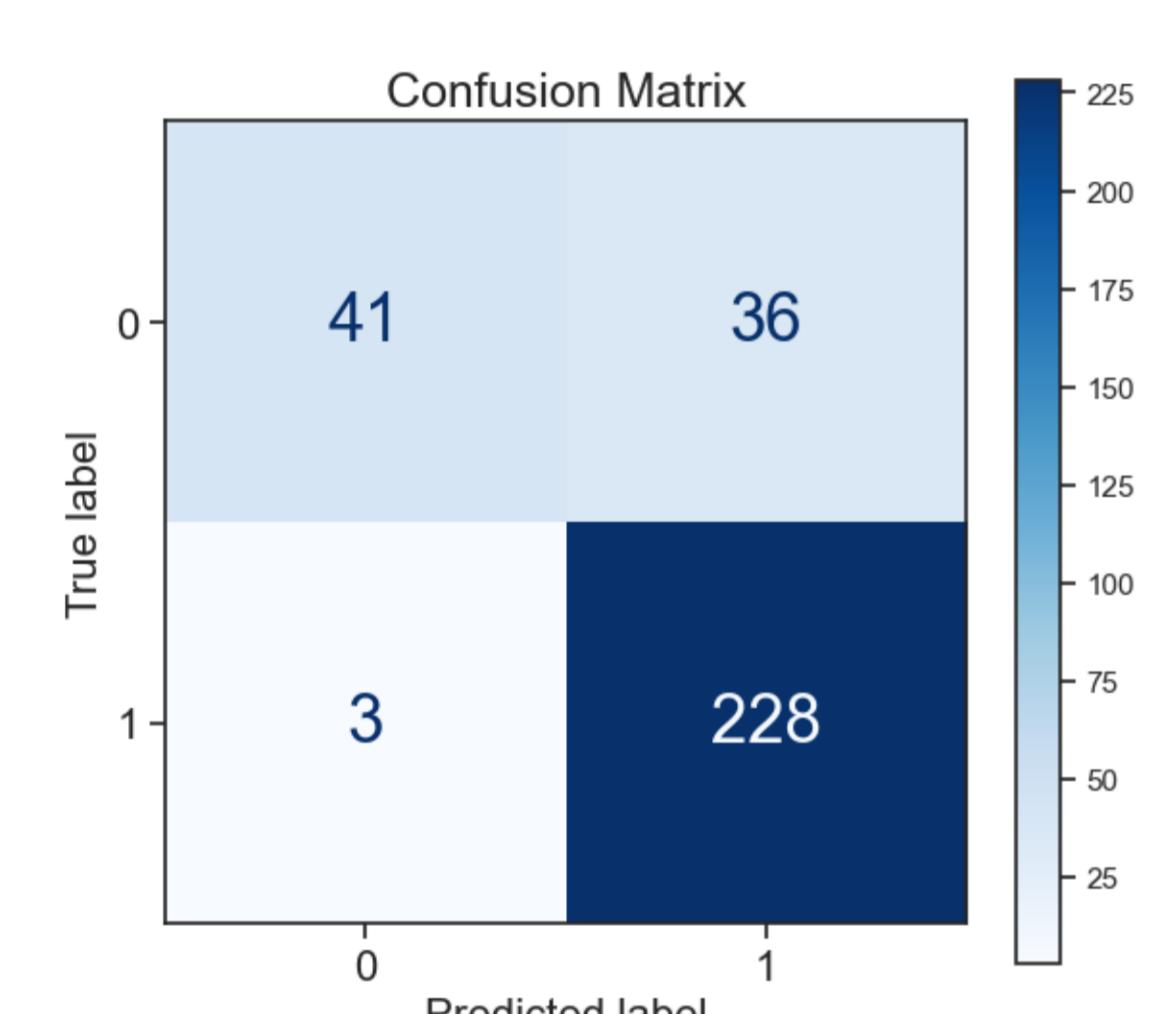
# Protein: P49768 - metric: balanced\_accuracy



# Protein: P49768 - metric: f1

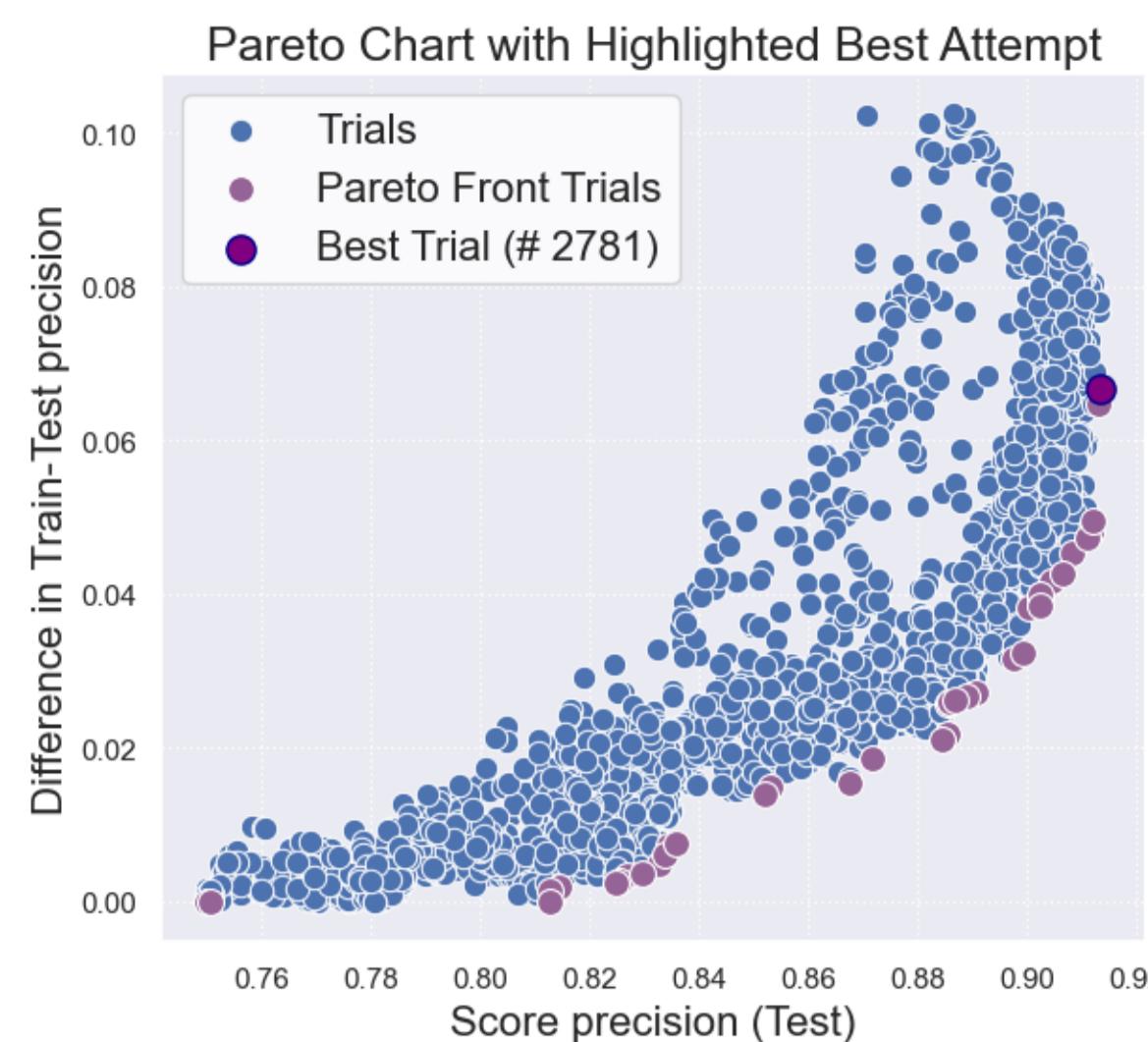
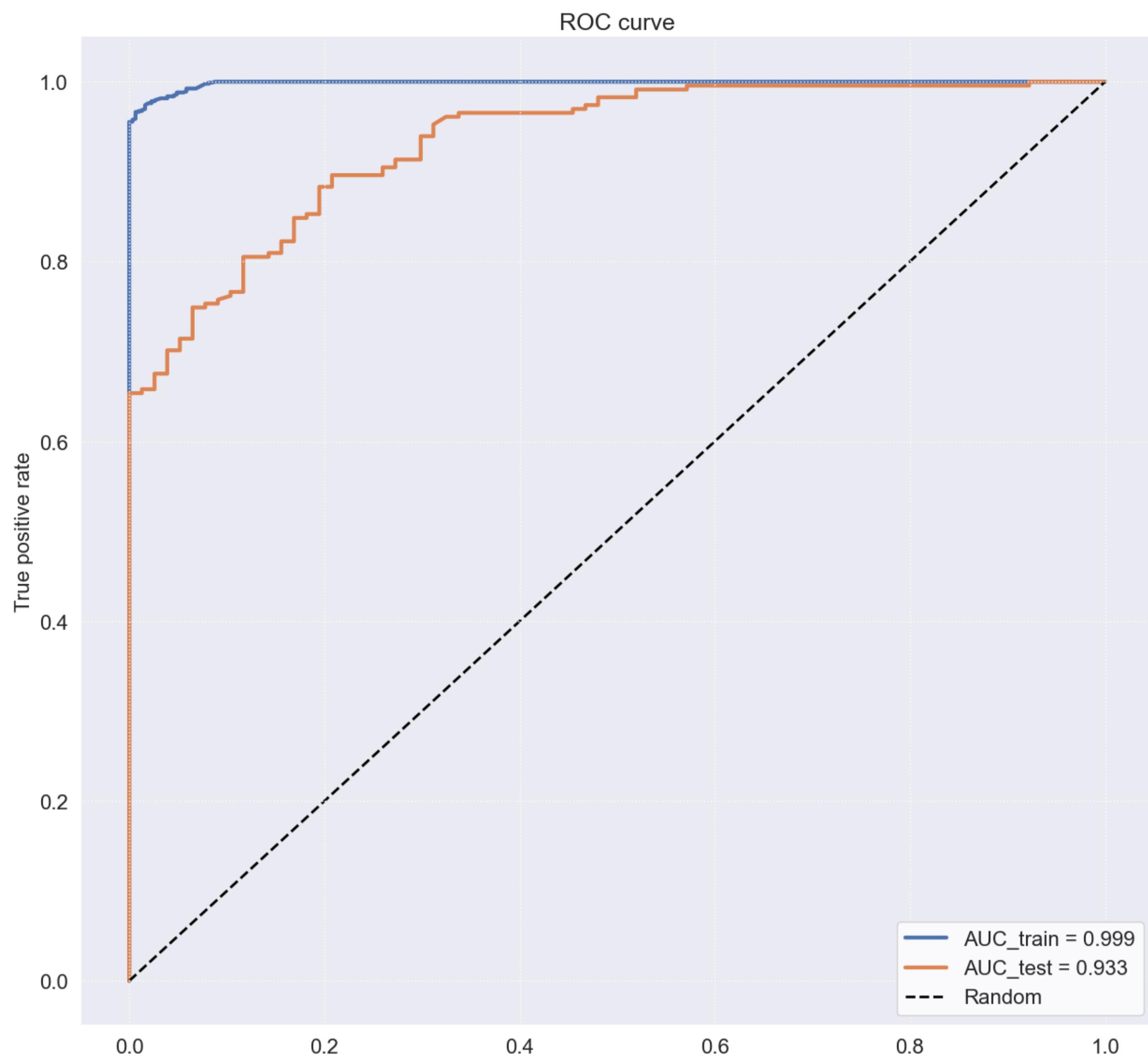
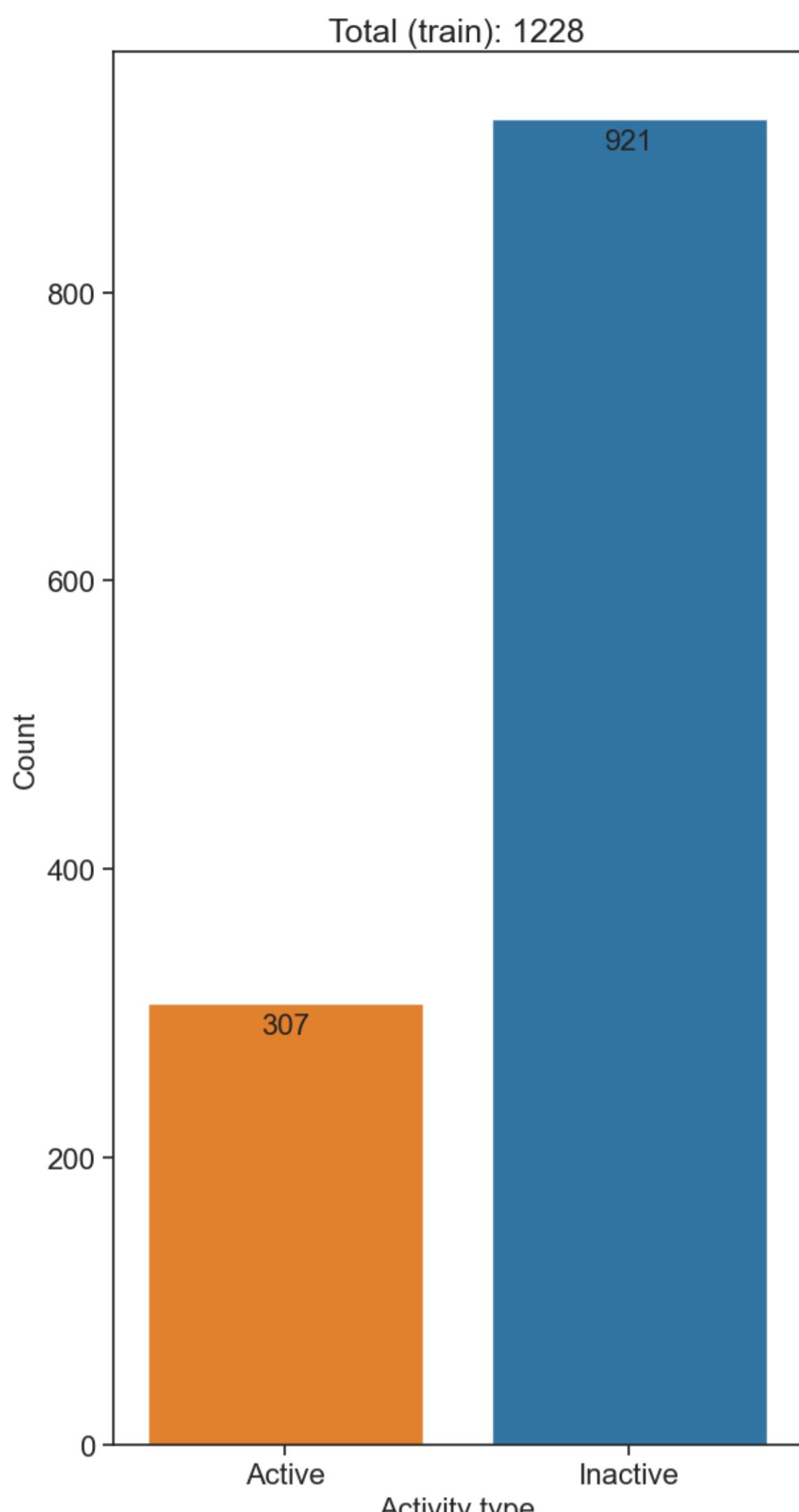


XGBoost Parameters	Value
alpha	2.1987
colsample_bytree	0.5691
gamma	0.6675
lambda	4.2892
learning_rate	0.0901
max_depth	7.0
min_child_weight	2.0
n_estimators	753.0
reg_alpha	0.3291
reg_lambda	0.631
scale_pos_weight	10.4314
subsample	0.8796

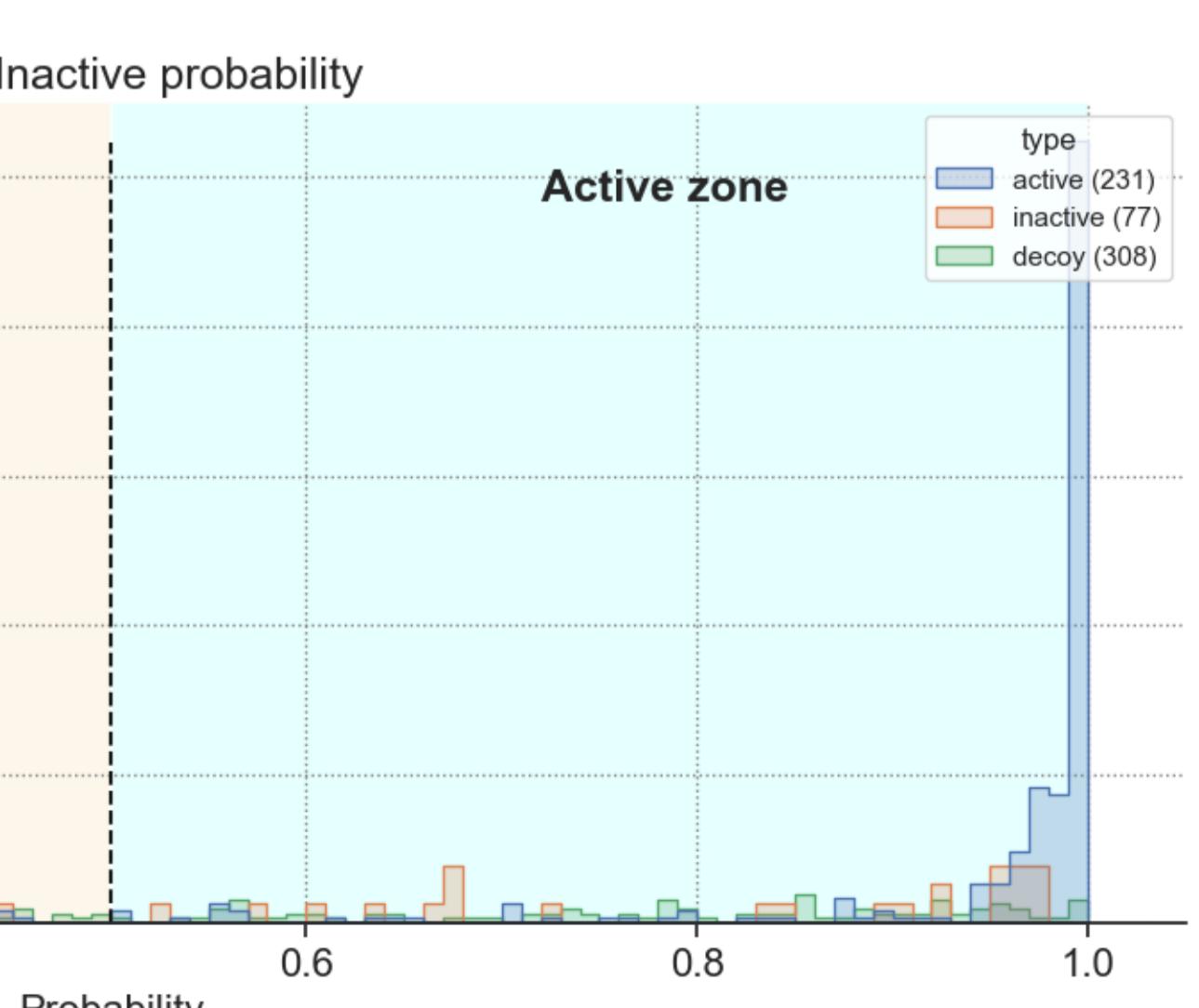
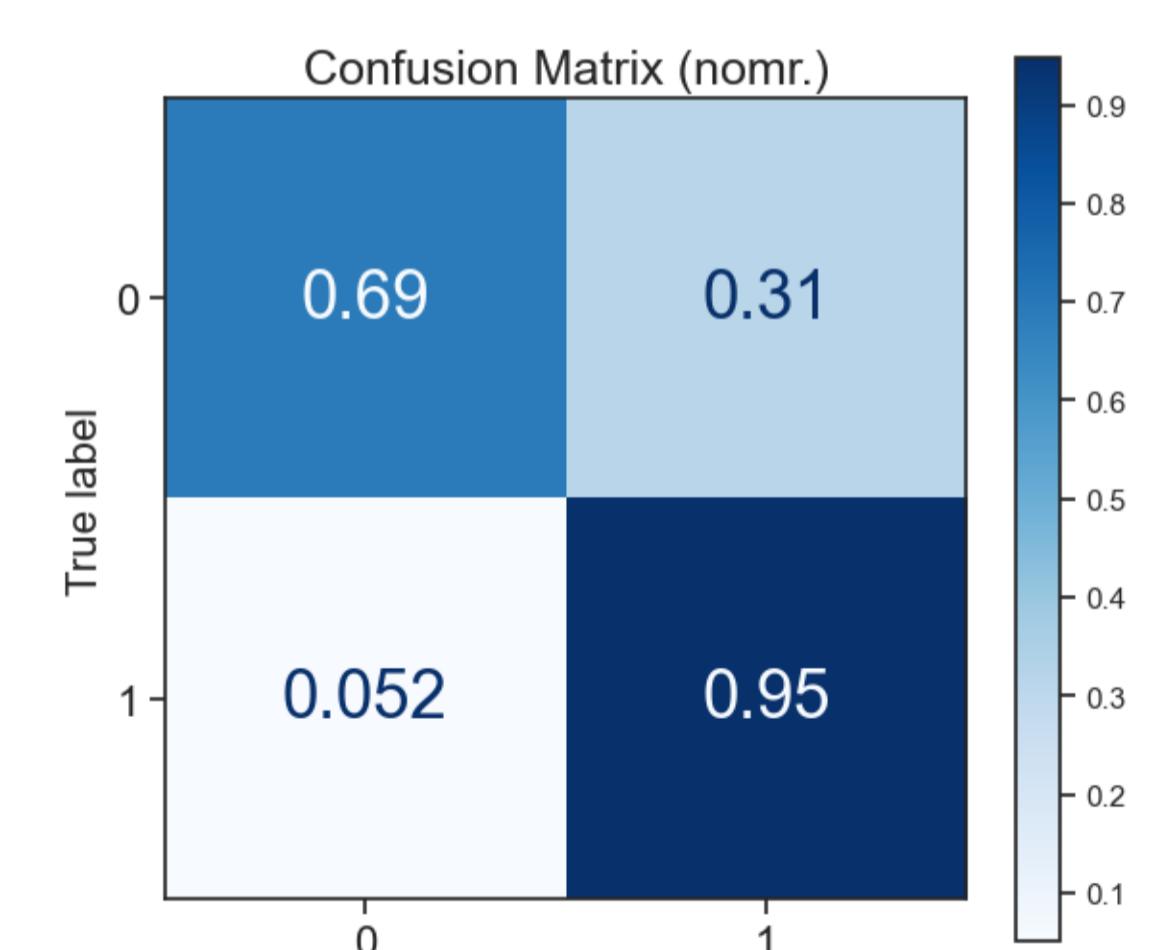
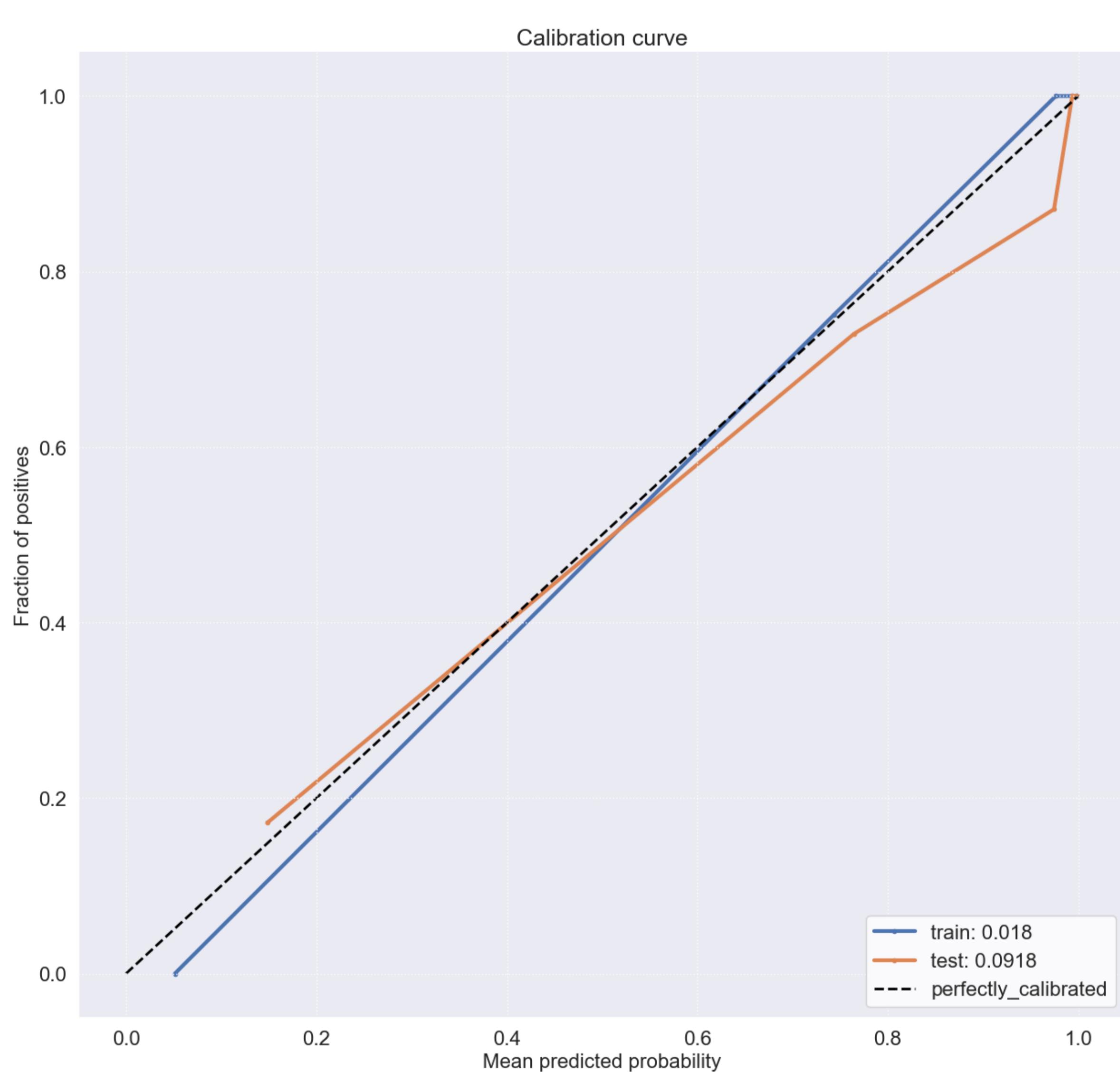
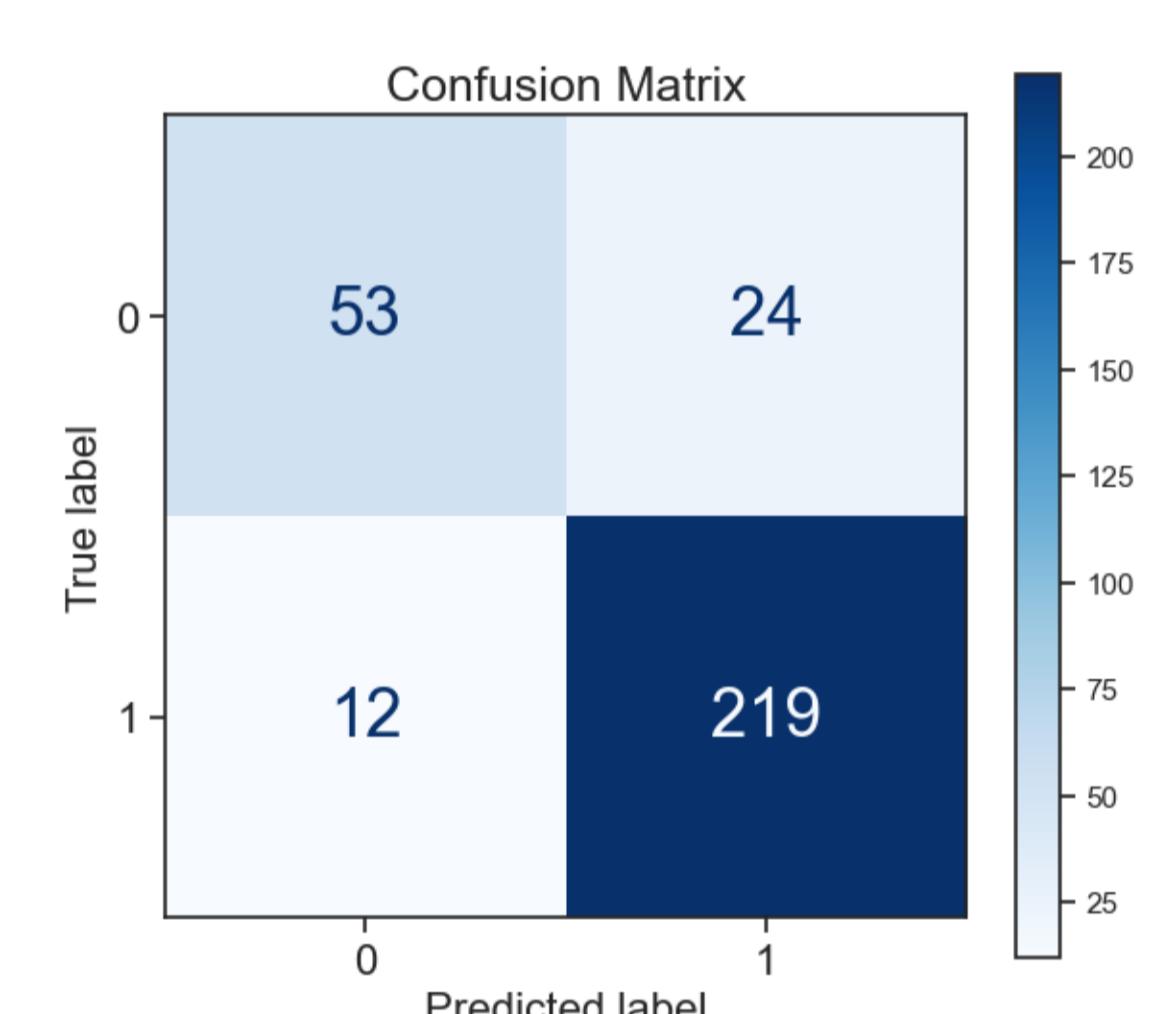


Metric	Train	Test
AUC	0.9994	0.9518
accuracy	0.9658	0.8734
balanced accuracy	0.9316	0.7597
recall_(sens)	1.0	0.987
specificity	0.8632	0.5325
precision	0.9564	0.8636
f1_score	0.9649	0.8603

# Protein: P49768 - metric: precision



XGBoost Parameters	Value
alpha	1.9864
colsample_bytree	0.9906
gamma	0.9844
lambda	3.6266
learning_rate	0.7496
max_depth	9.0
min_child_weight	1.0
n_estimators	546.0
reg_alpha	0.2701
reg_lambda	0.6551
scale_pos_weight	1.0747
subsample	0.9228



Metric	Train	Test
AUC	0.9985	0.9332
accuracy	0.978	0.8831
balanced accuracy	0.9636	0.8182
recall_(sens)	0.9924	0.9481
specificity	0.9349	0.6883
precision	0.9786	0.9012
f1_score	0.9779	0.8797

Protein: P49768 - metric: SoftVotingXGBoostEnsemble

