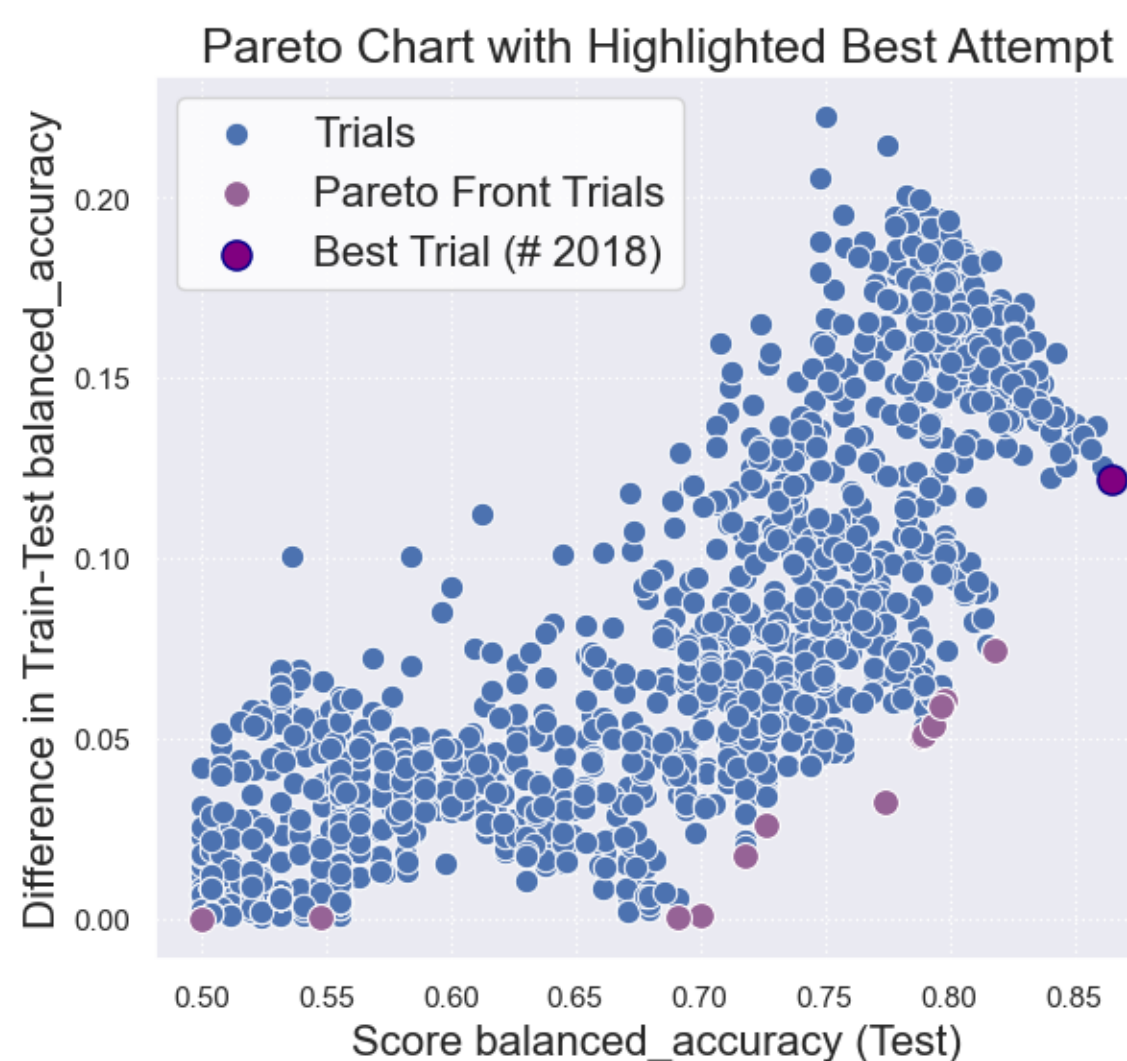
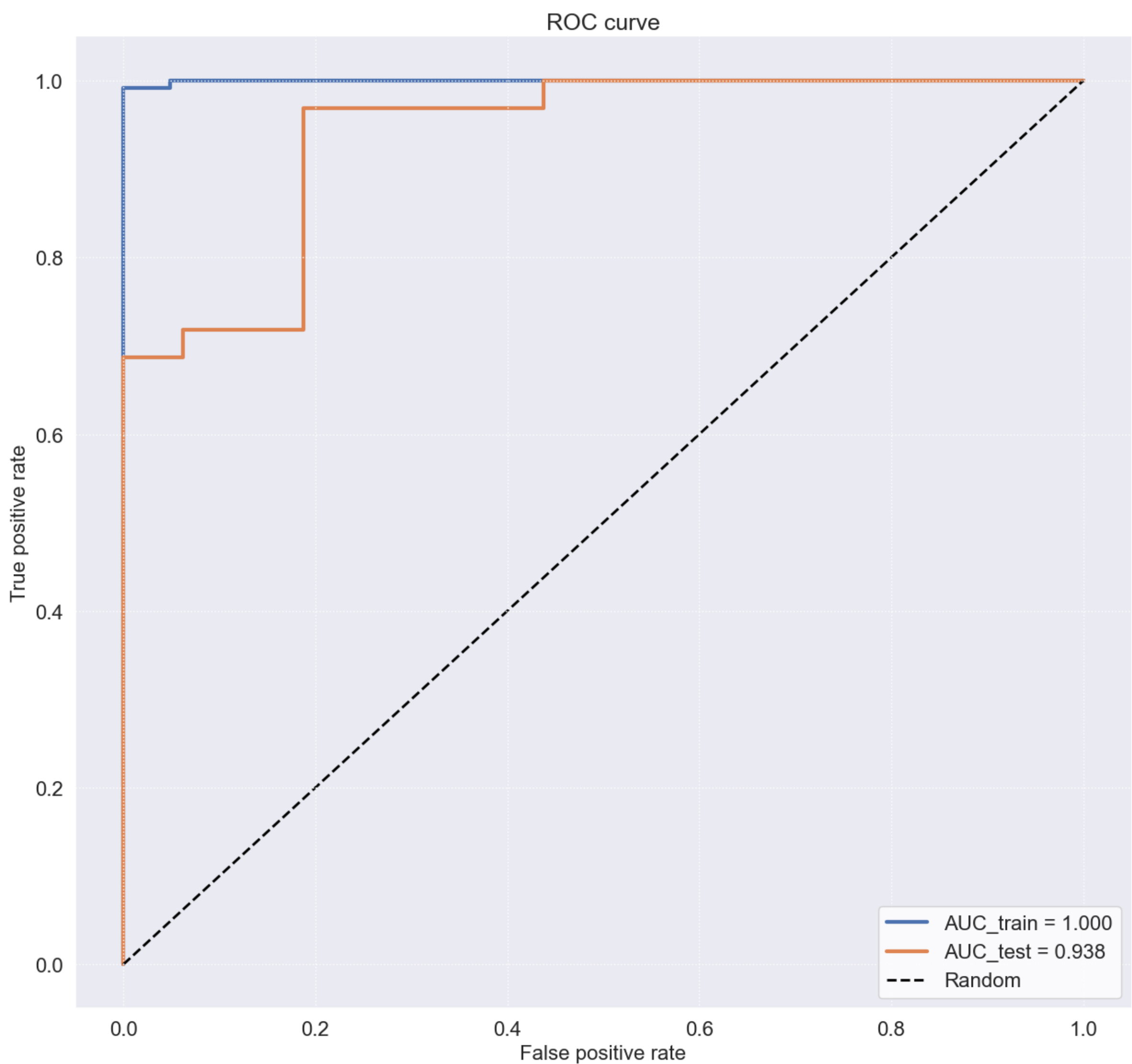
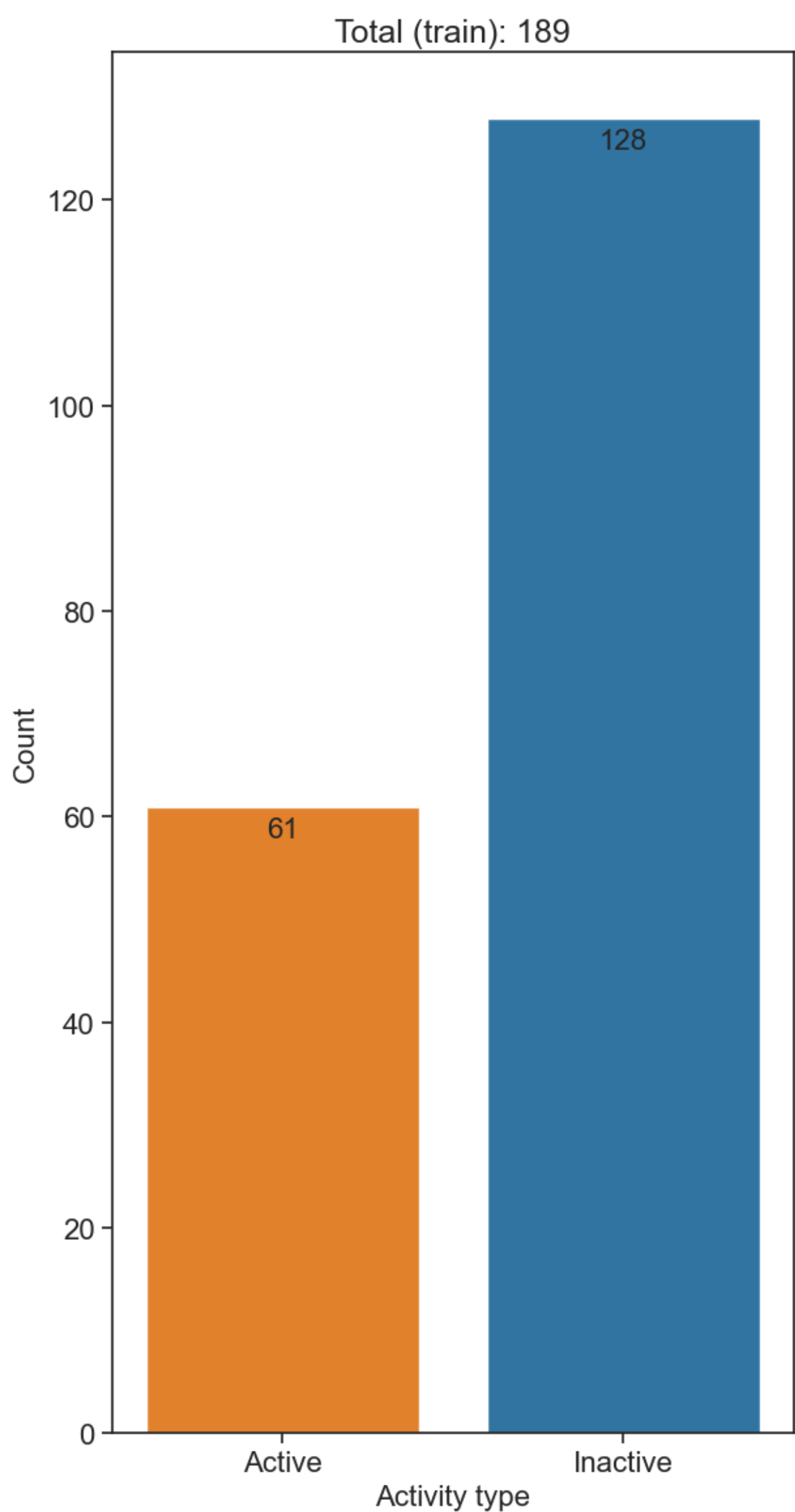
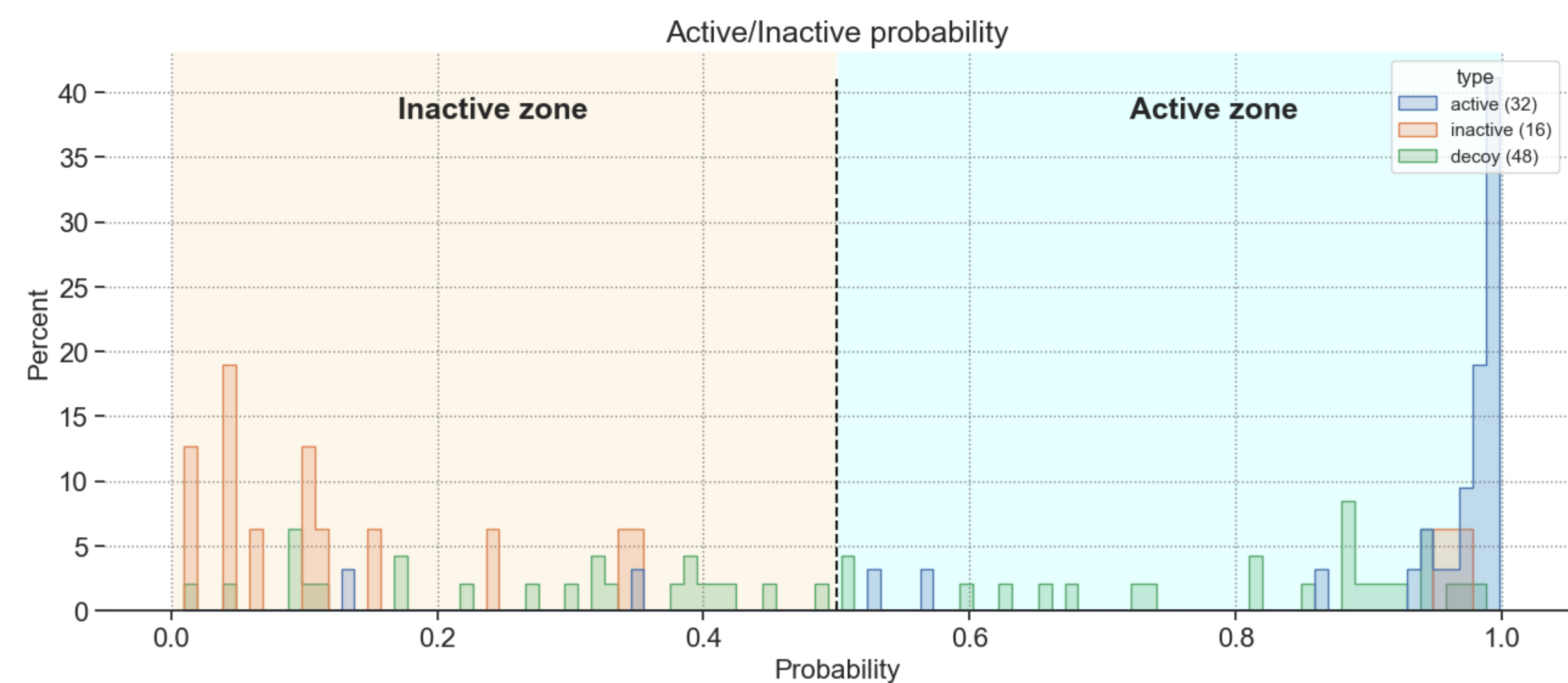
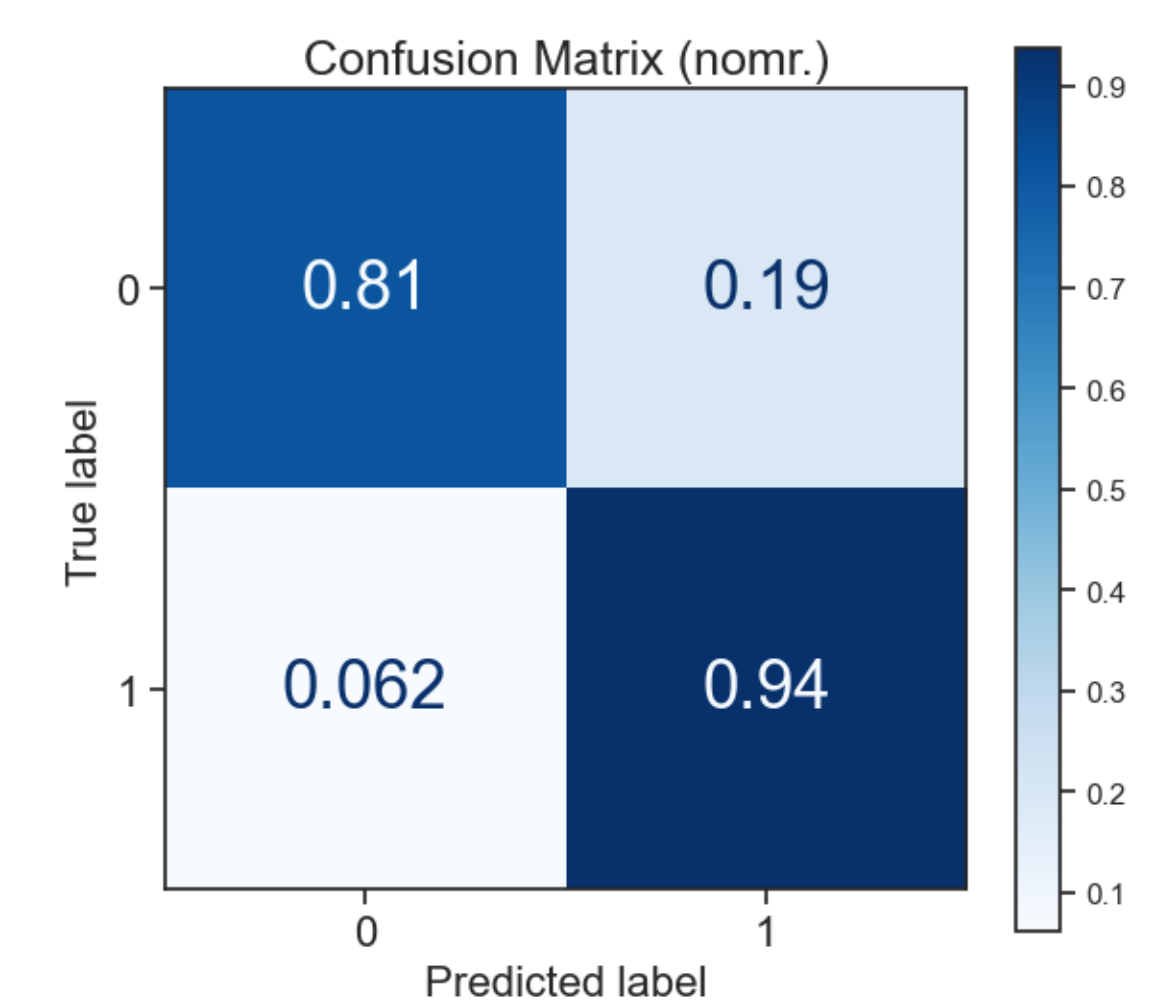
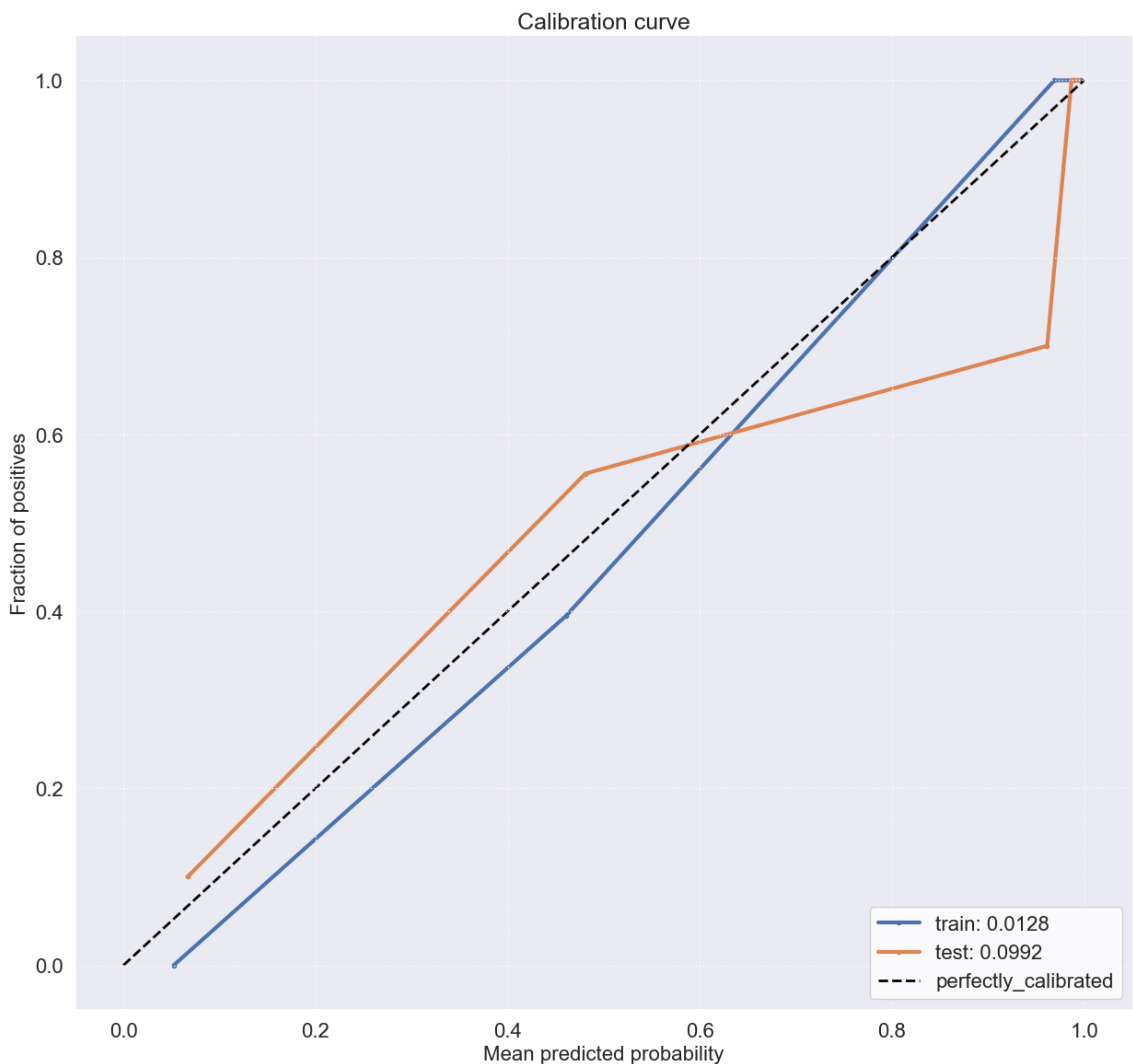
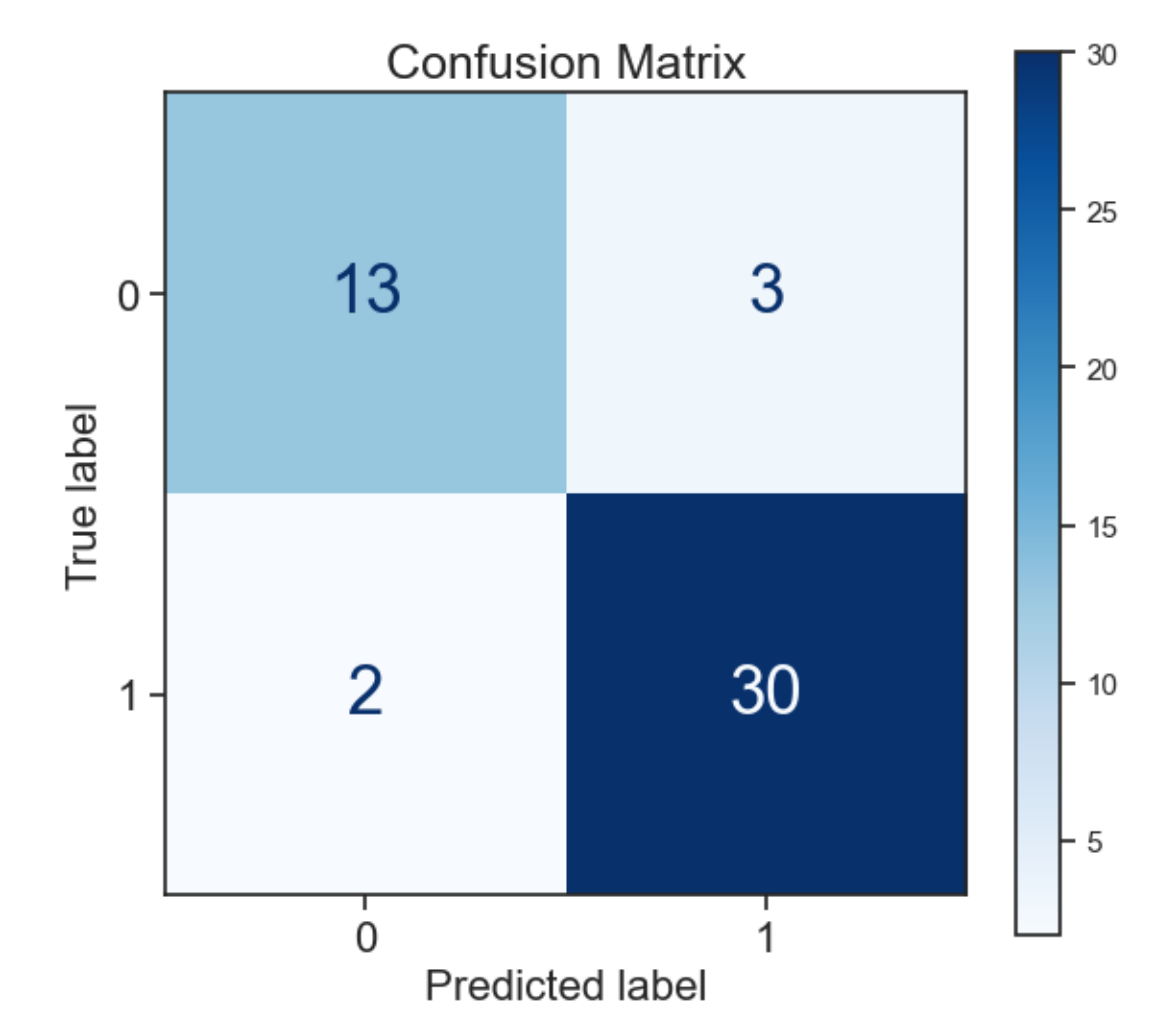


Protein: Q14432 - metric: balanced\_accuracy



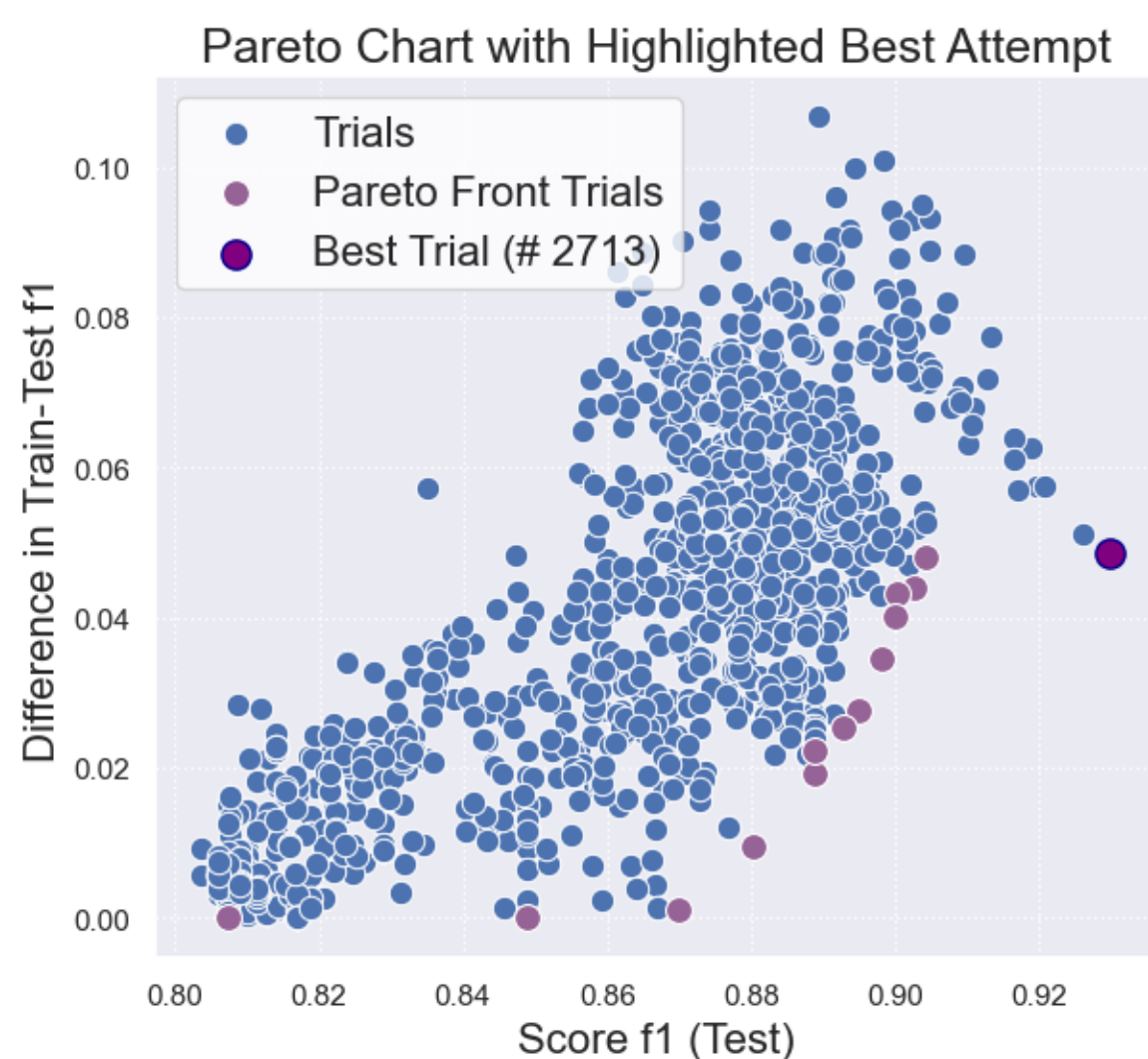
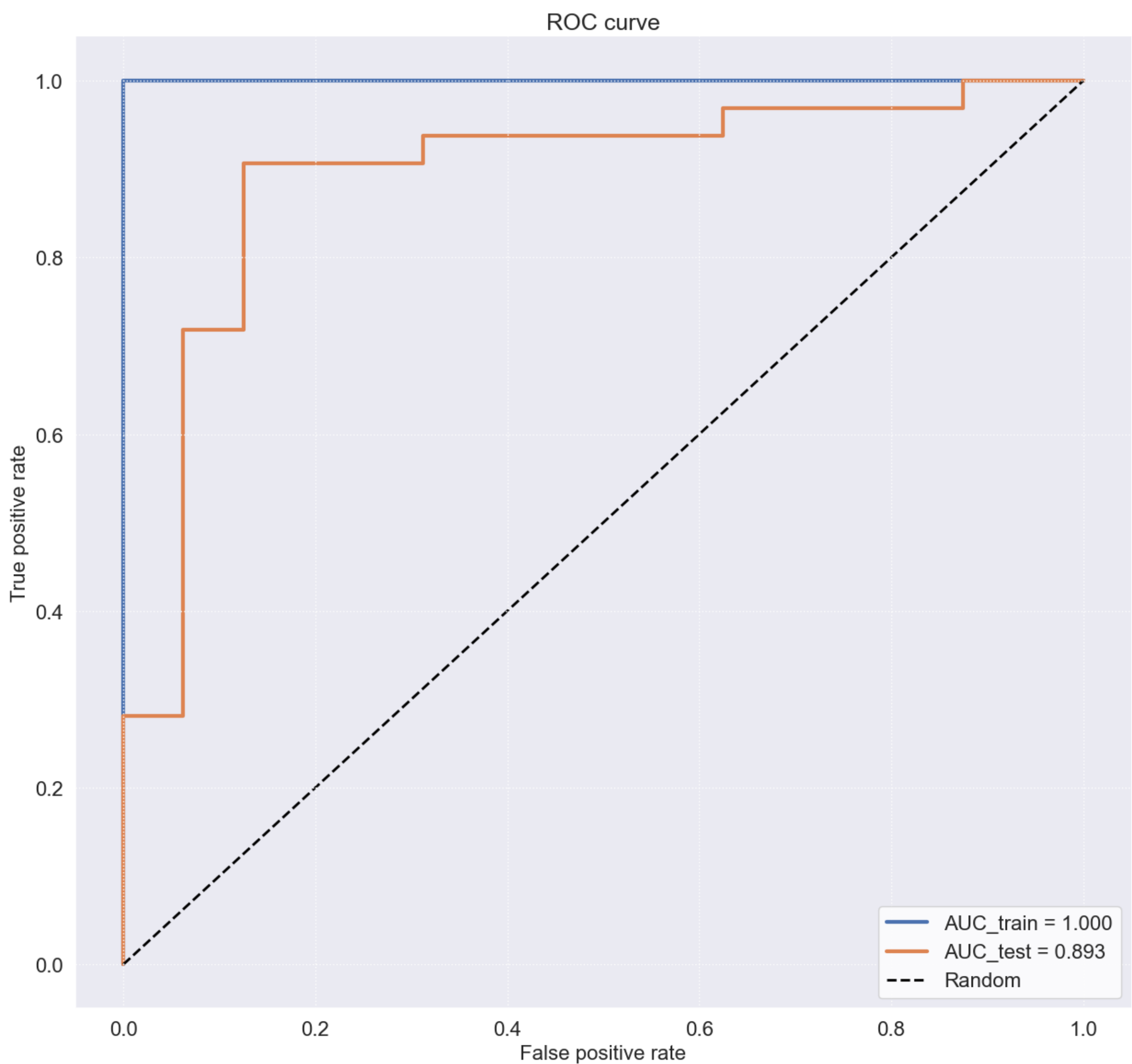
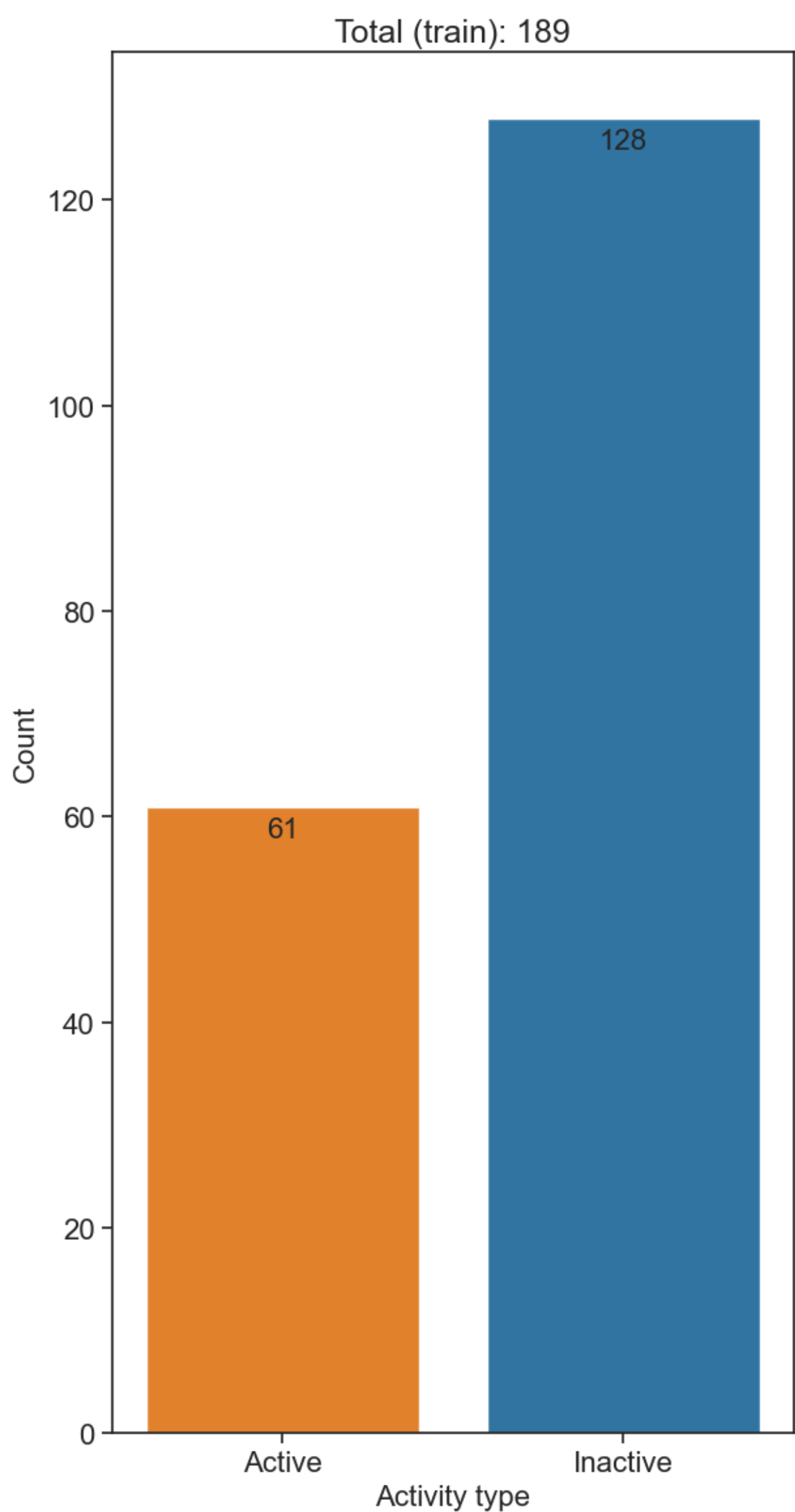
XGBoost Parameters	Value
alpha	4.7262
colsample_bytree	0.6761
gamma	0.3978
lambda	0.6
learning_rate	0.7462
max_depth	8.0
min_child_weight	1.0
n_estimators	262.0
reg_alpha	0.7788
reg_lambda	0.8967
scale_pos_weight	1.6573
subsample	0.8362



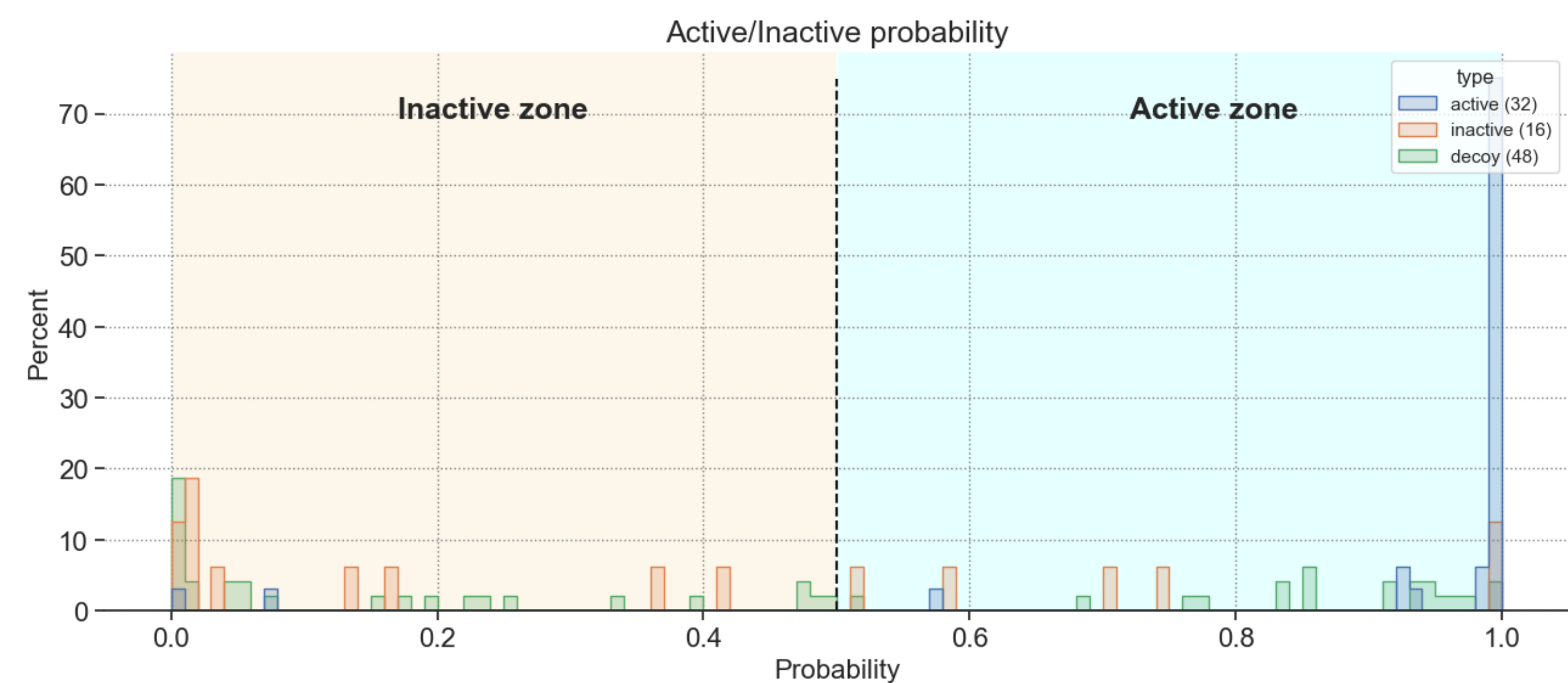
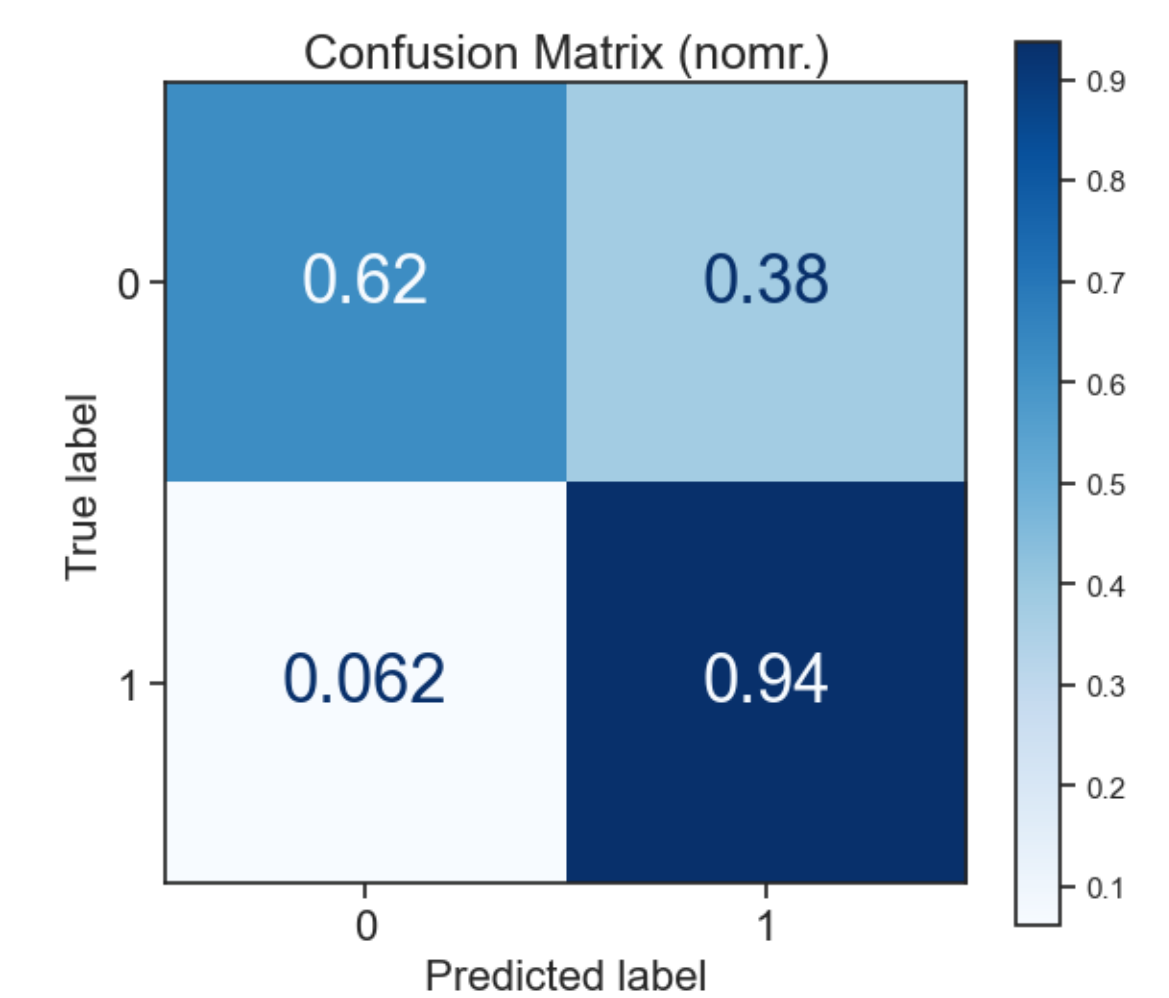
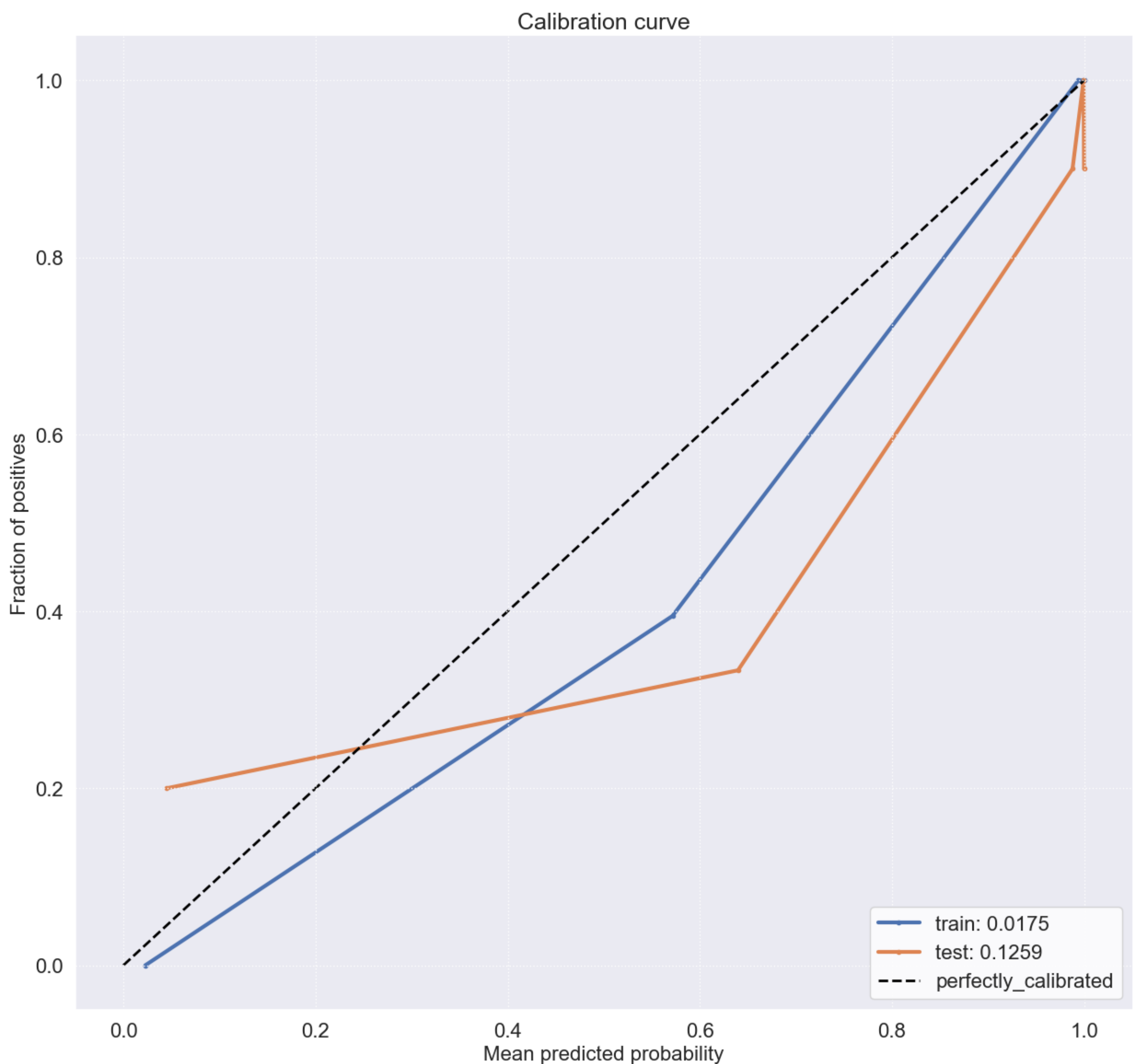
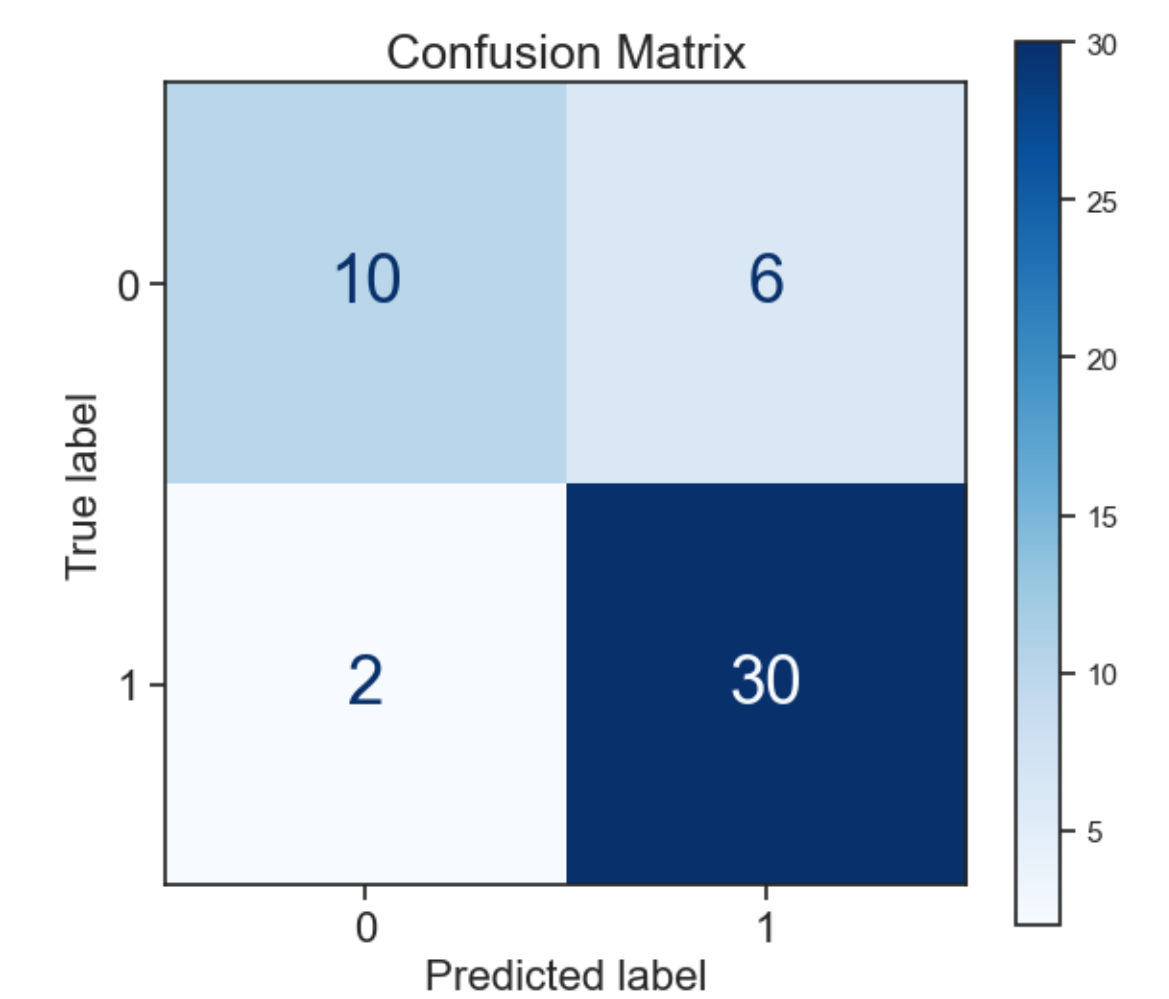
Metric	Train	Test
AUC	0.9996	0.9375
accuracy	0.9947	0.8958
balanced accuracy	0.9961	0.875
recall_(sens)	0.9922	0.9375
specificity	1.0	0.8125
precision	1.0	0.9091
f1_score	0.9947	0.895



Protein: Q14432 - metric: f1



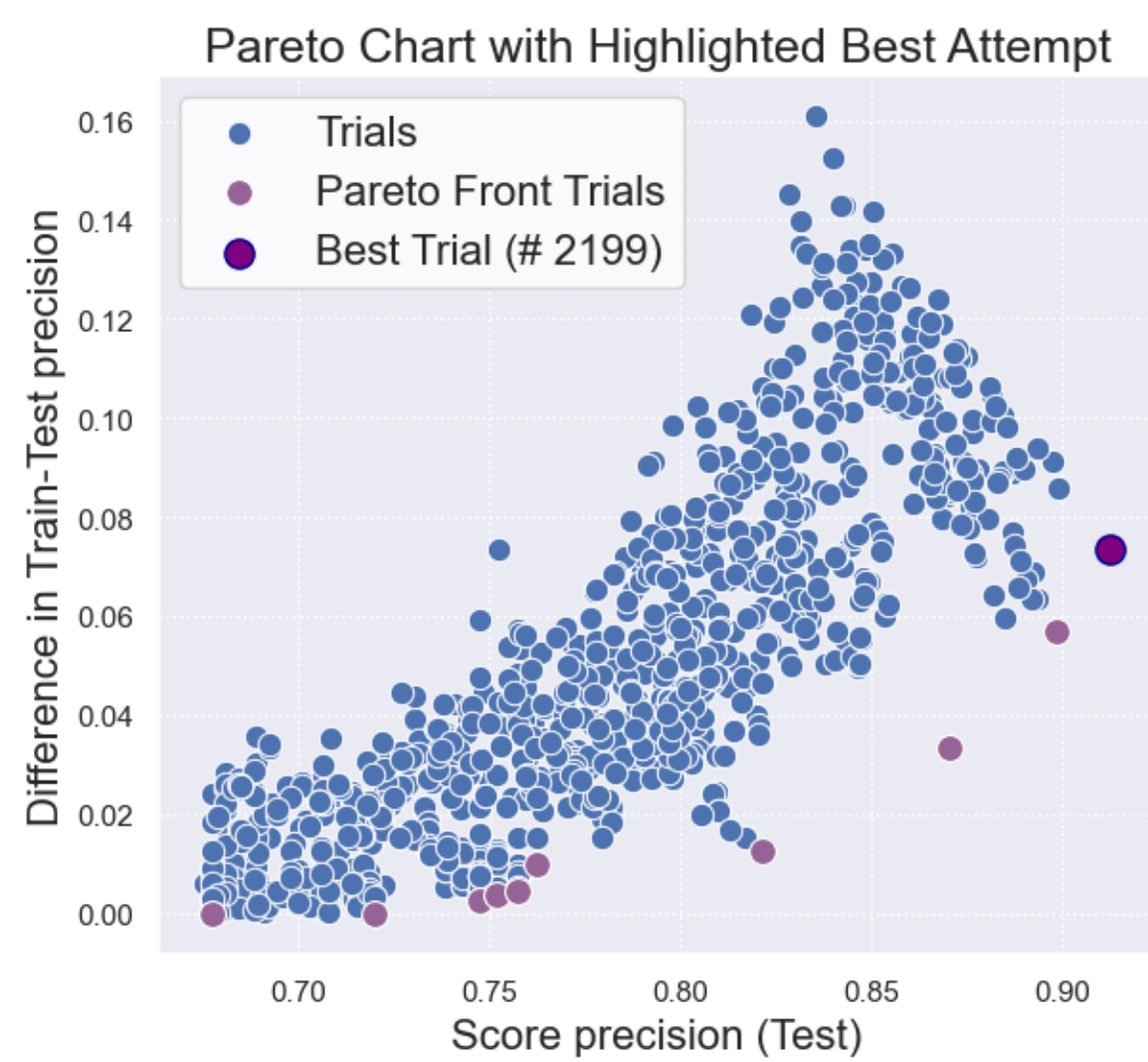
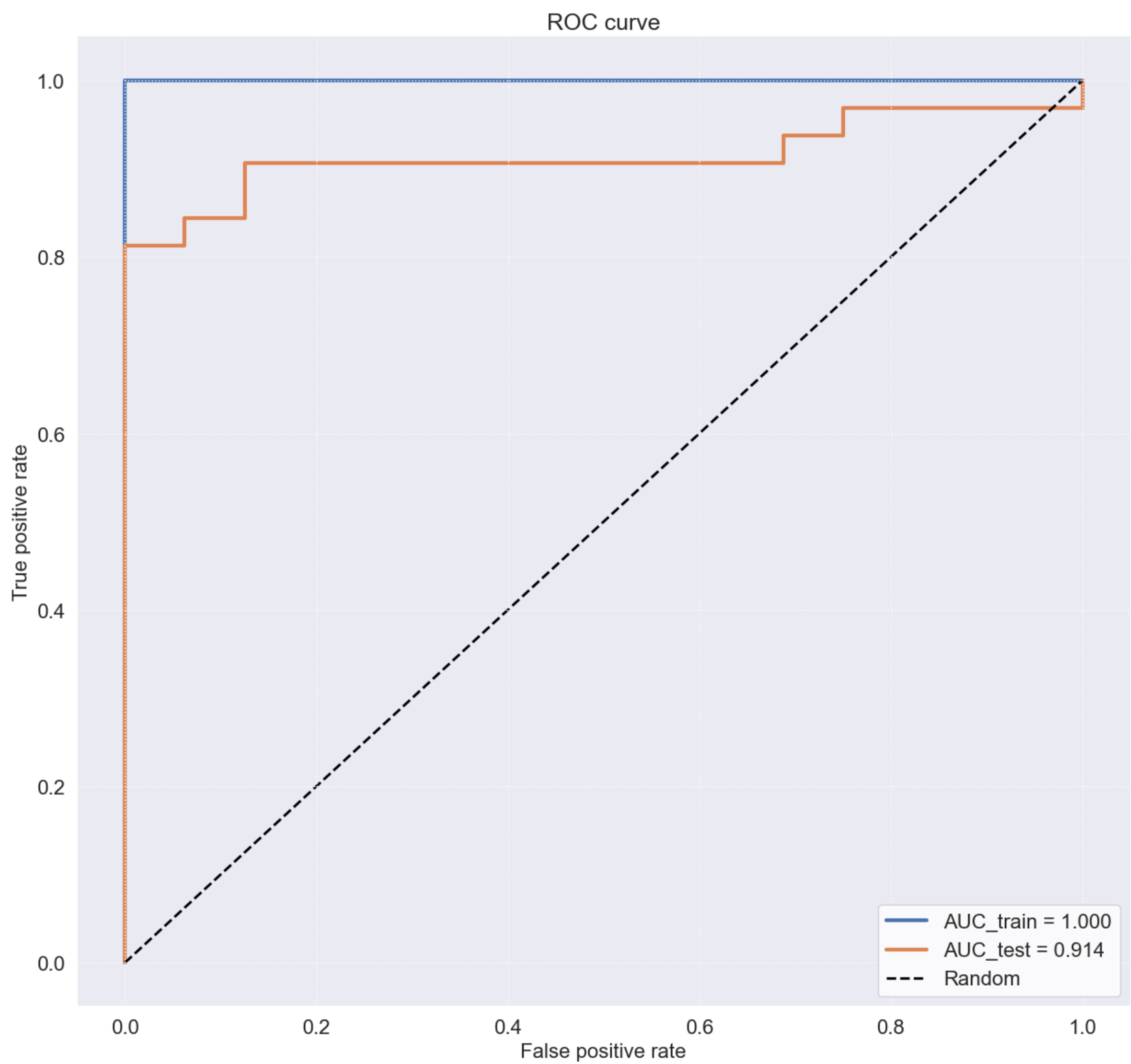
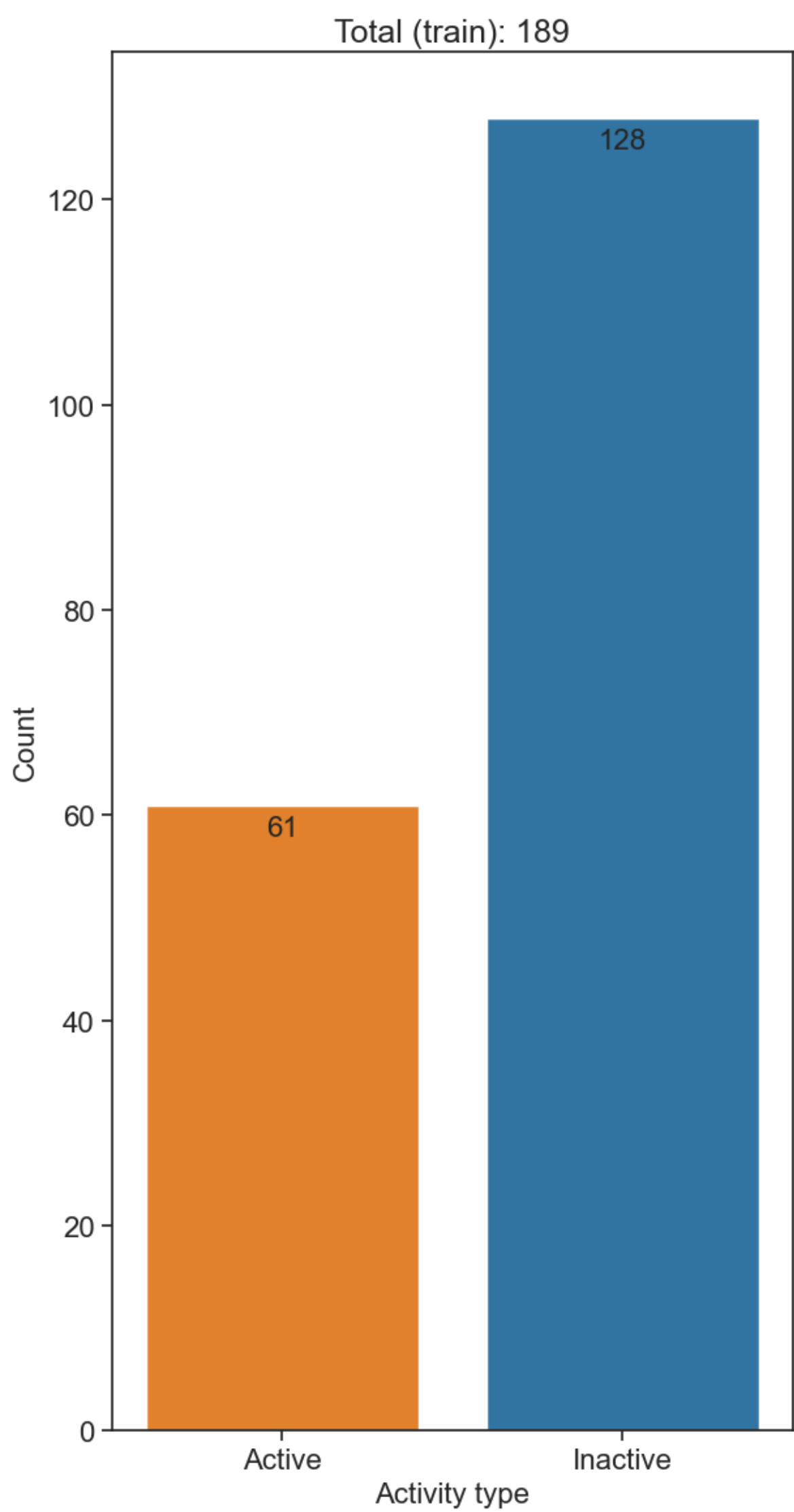
XGBoost Parameters	Value
alpha	0.969
colsample_bytree	0.7964
gamma	0.58
lambda	1.7474
learning_rate	0.9625
max_depth	10.0
min_child_weight	3.0
n_estimators	907.0
reg_alpha	0.9842
reg_lambda	0.5534
scale_pos_weight	12.227
subsample	0.6514



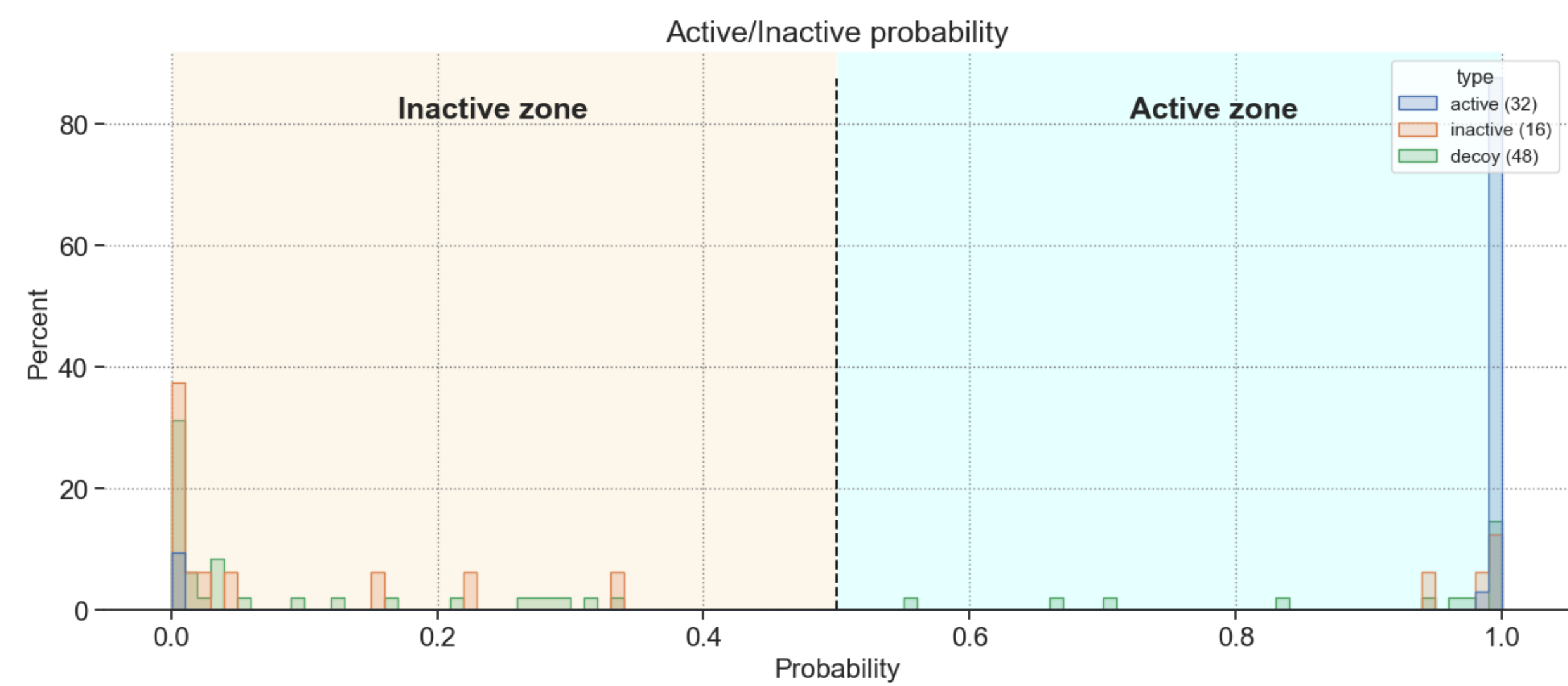
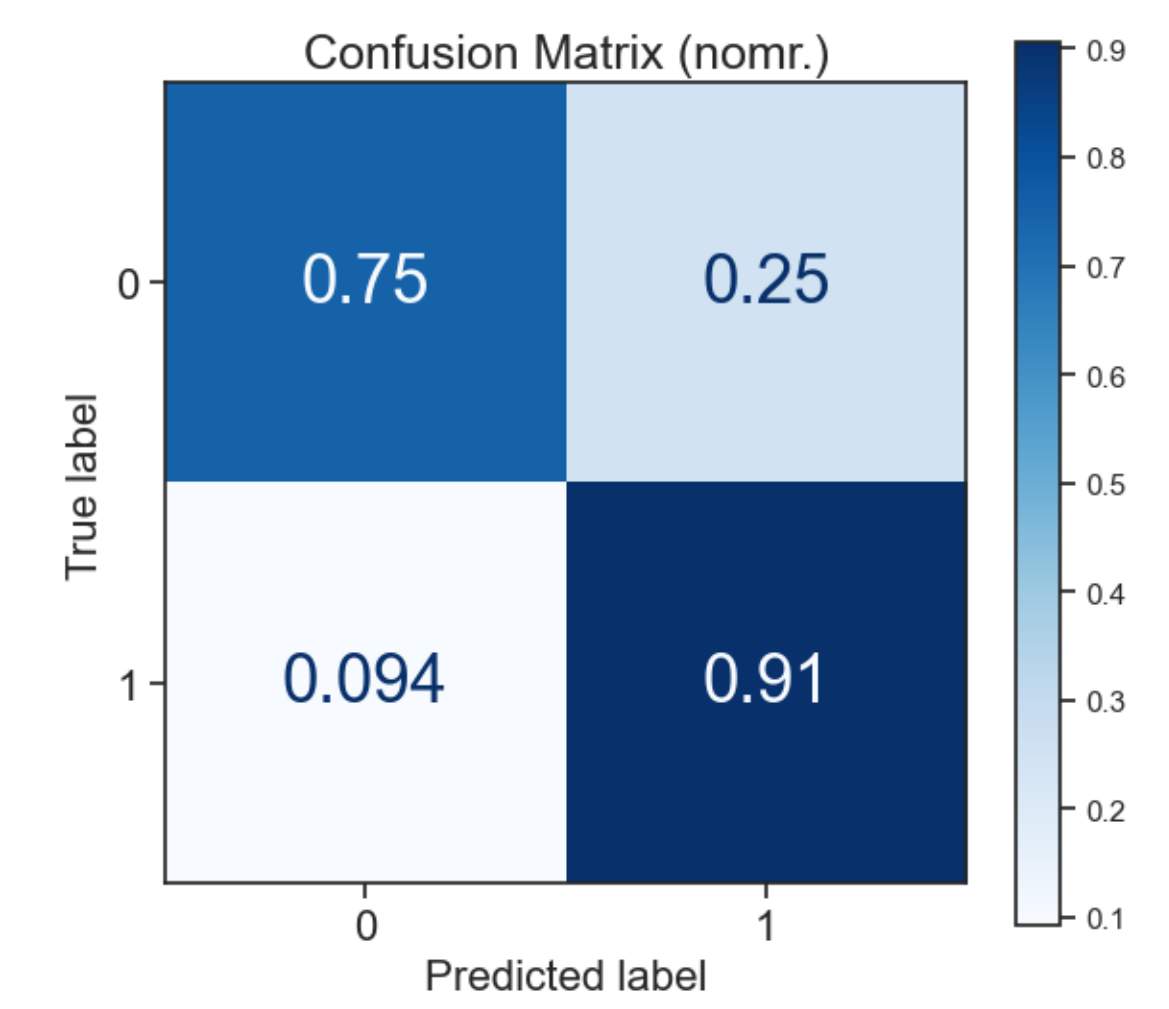
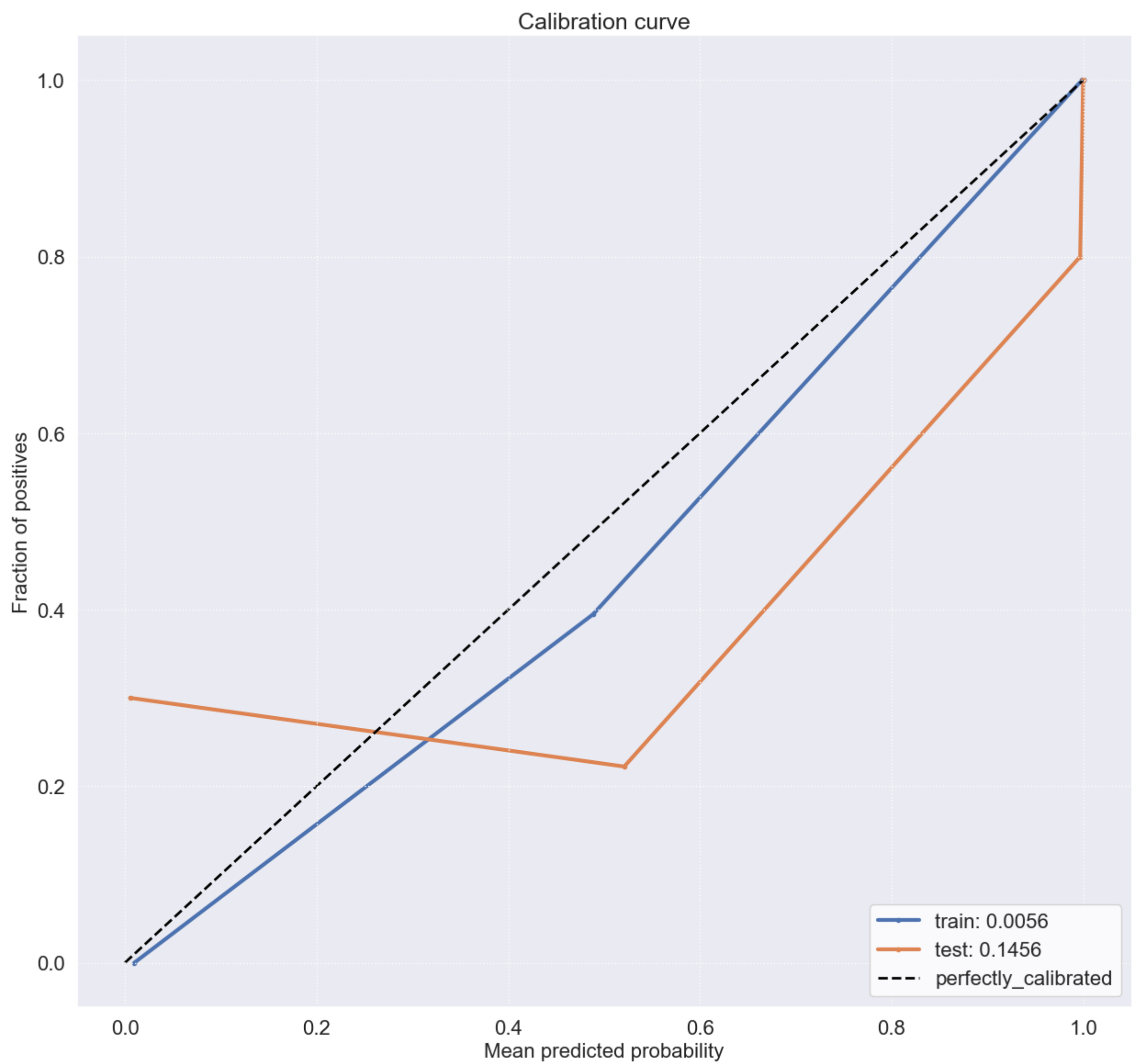
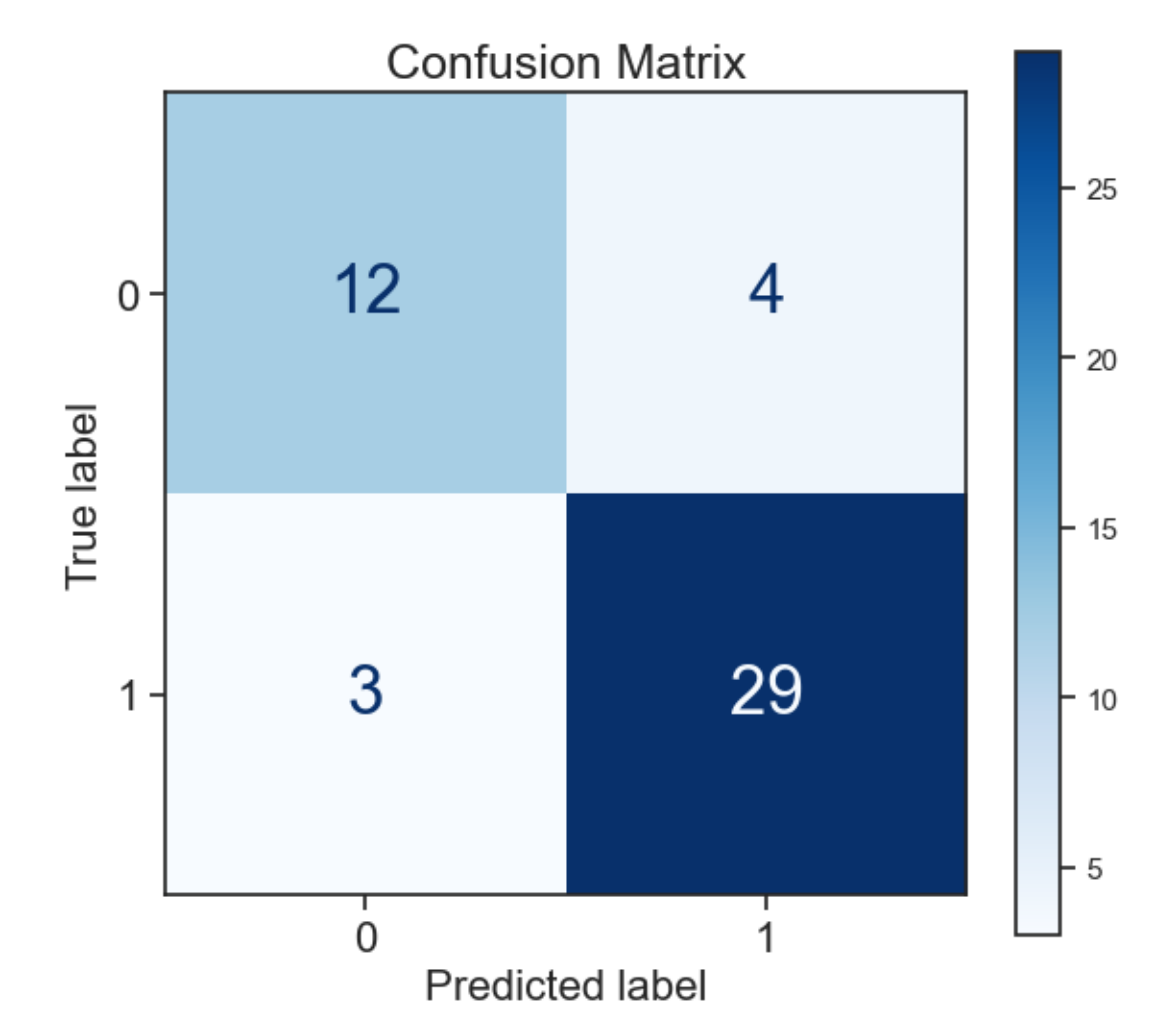
Metric	Train	Test
AUC	1.0	0.8926
accuracy	0.9683	0.8333
balanced accuracy	0.9508	0.7812
recall_(sens)	1.0	0.9375
specificity	0.9016	0.625
precision	0.9552	0.8333
f1_score	0.9678	0.8263



Protein: Q14432 - metric: precision



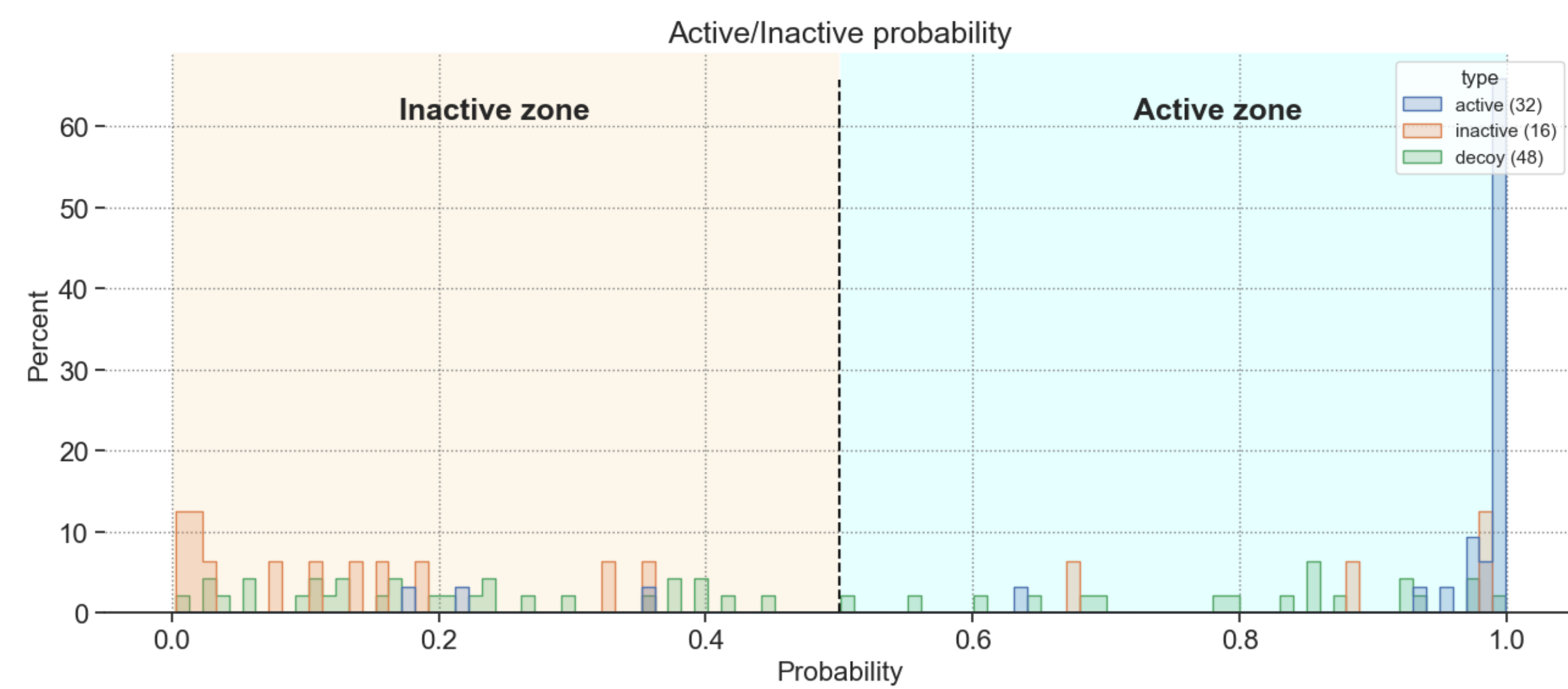
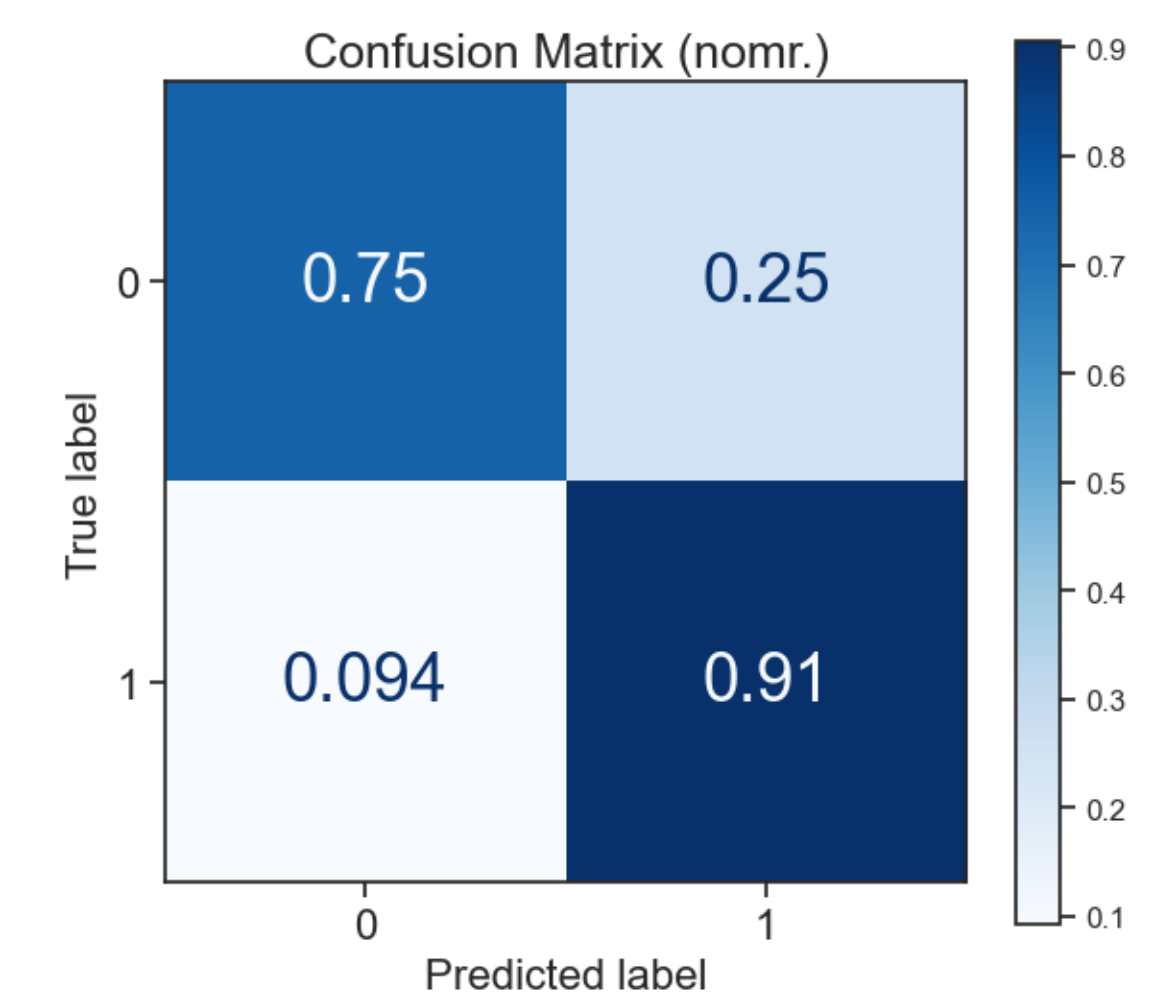
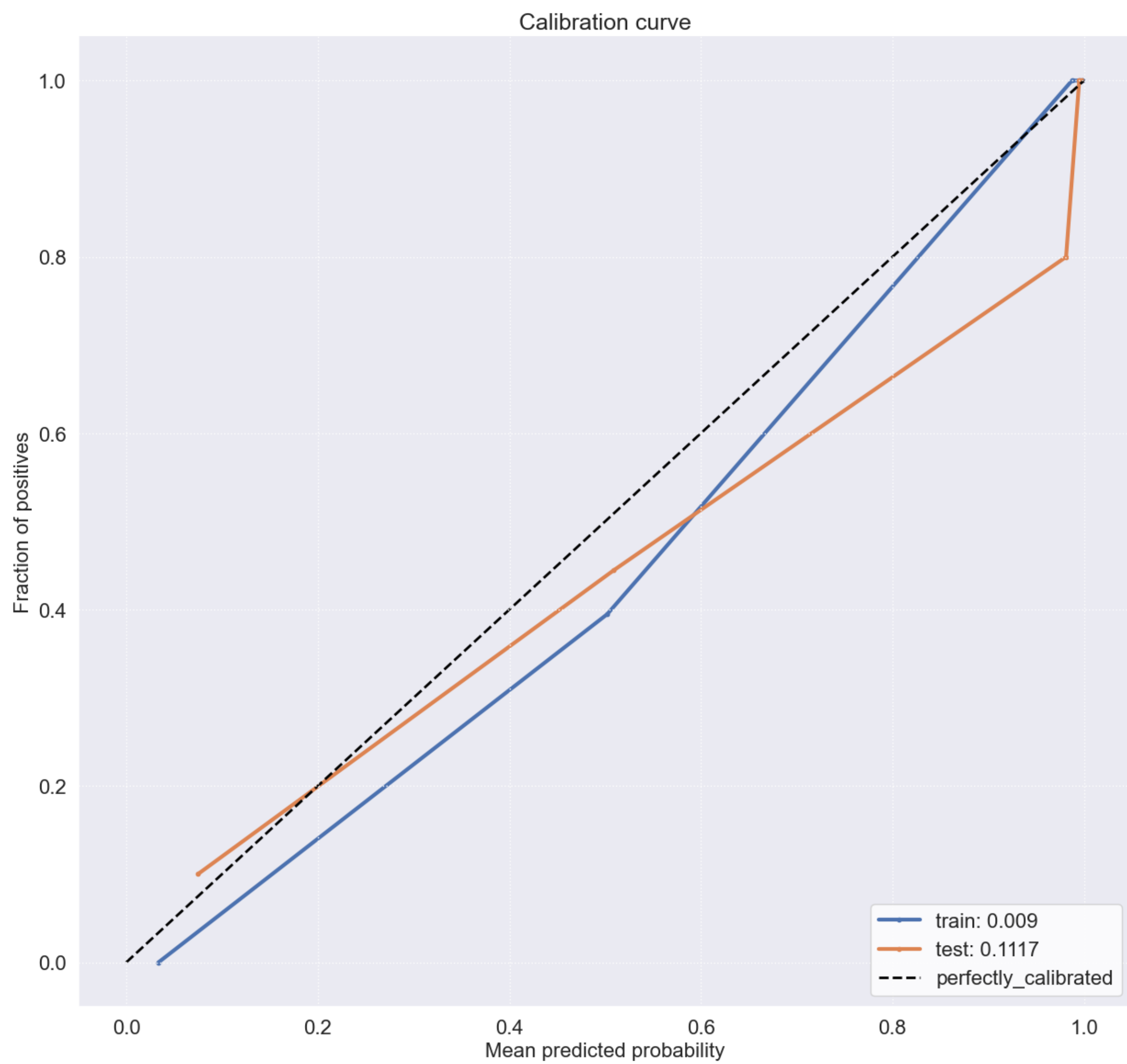
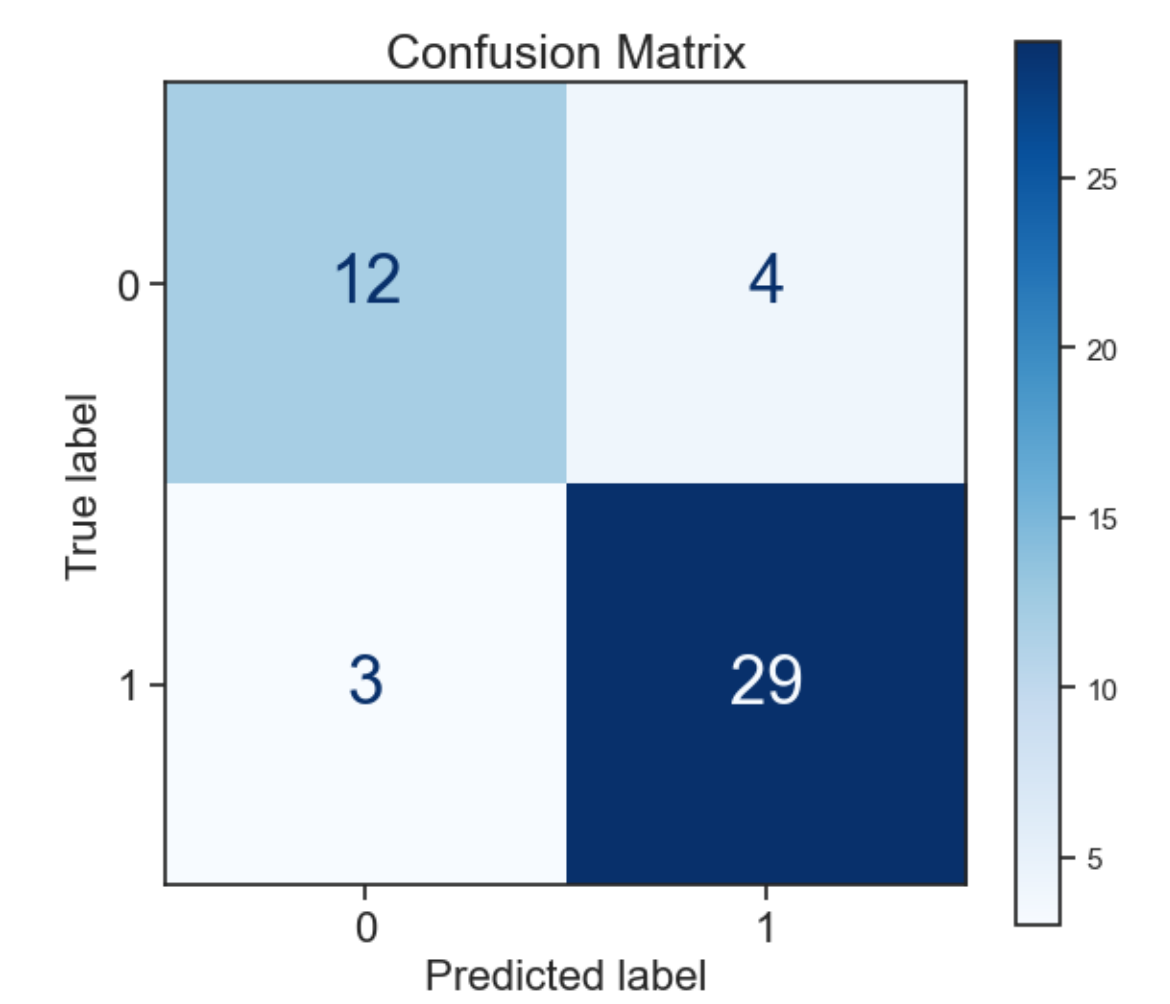
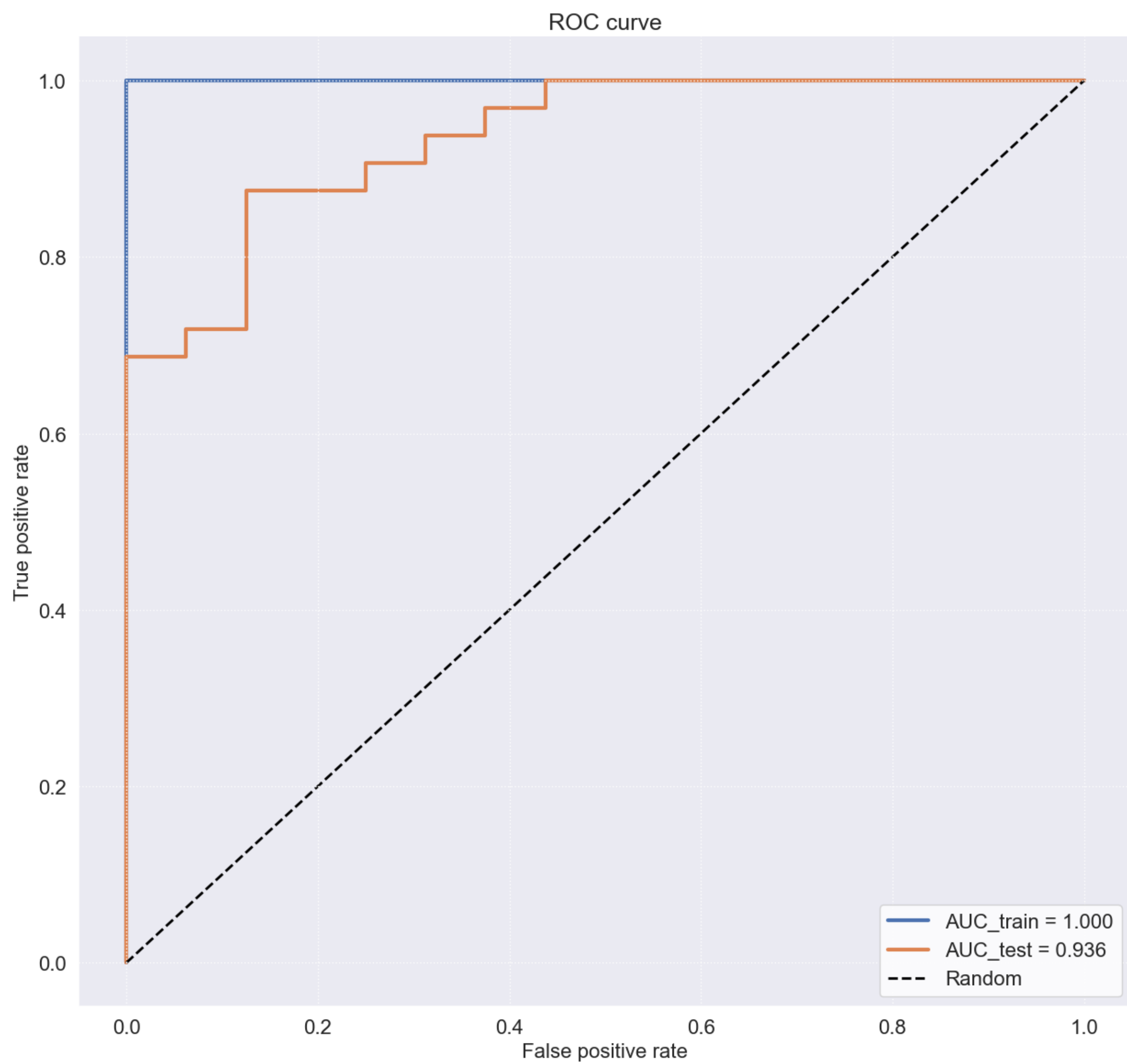
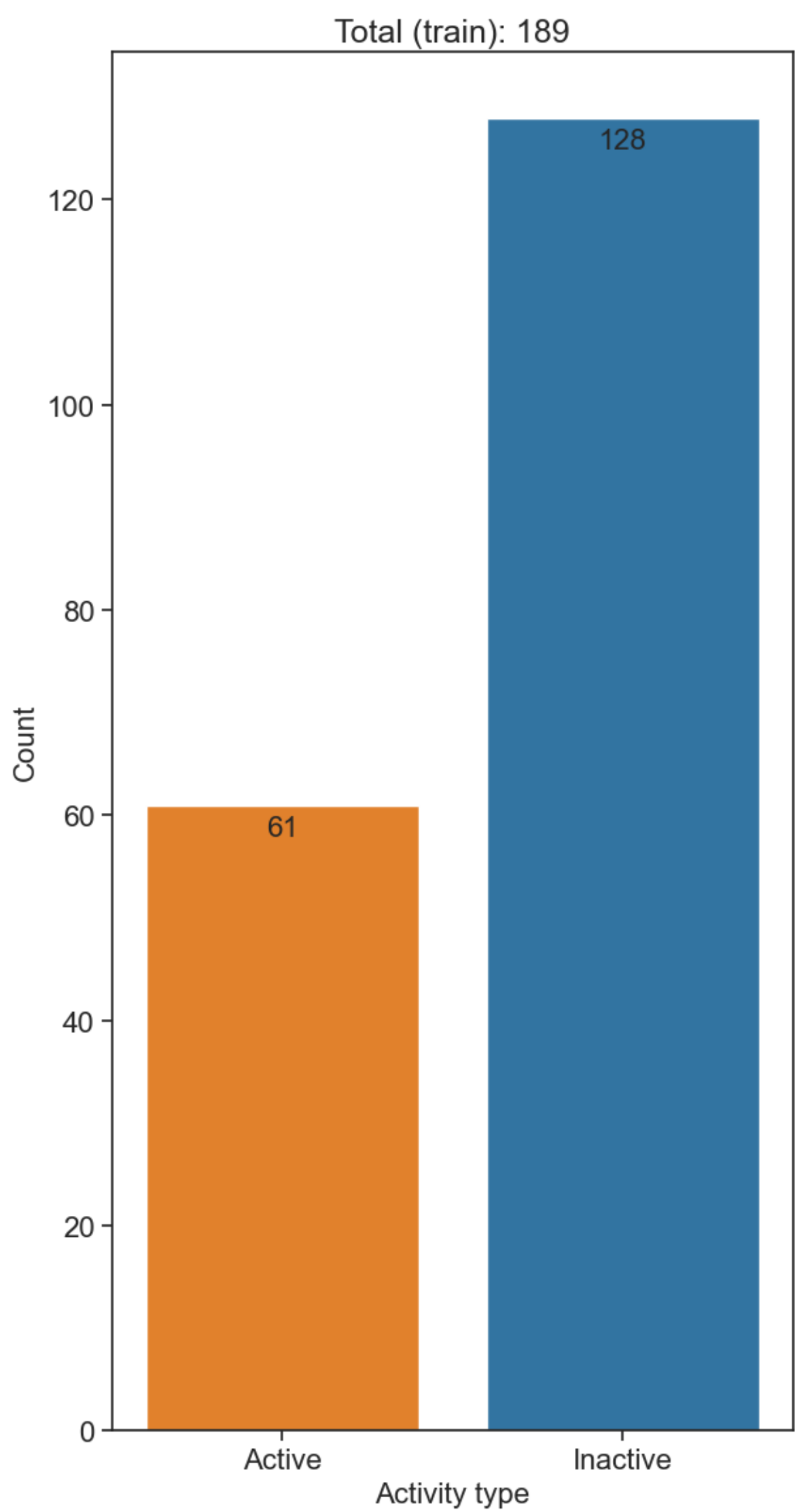
XGBoost Parameters	Value
alpha	3.6621
colsample_bytree	0.7257
gamma	0.53
lambda	0.2999
learning_rate	0.9327
max_depth	4.0
min_child_weight	2.0
n_estimators	672.0
reg_alpha	0.2862
reg_lambda	0.4829
scale_pos_weight	38.2187
subsample	0.5572



Metric	Train	Test
AUC	1.0	0.9141
accuracy	1.0	0.8542
balanced accuracy	1.0	0.8281
recall_(sens)	1.0	0.9062
specificity	1.0	0.75
precision	1.0	0.8788
f1_score	1.0	0.8529



Protein: Q14432 - metric: SoftVotingXGBoostEnsemble



Metric	Train	Test
AUC	1.0	0.9355
accuracy	0.9947	0.8542
balanced accuracy	0.9918	0.8281
recall_(sens)	1.0	0.9062
specificity	0.9836	0.75
precision	0.9922	0.8788
f1_score	0.9947	0.8529