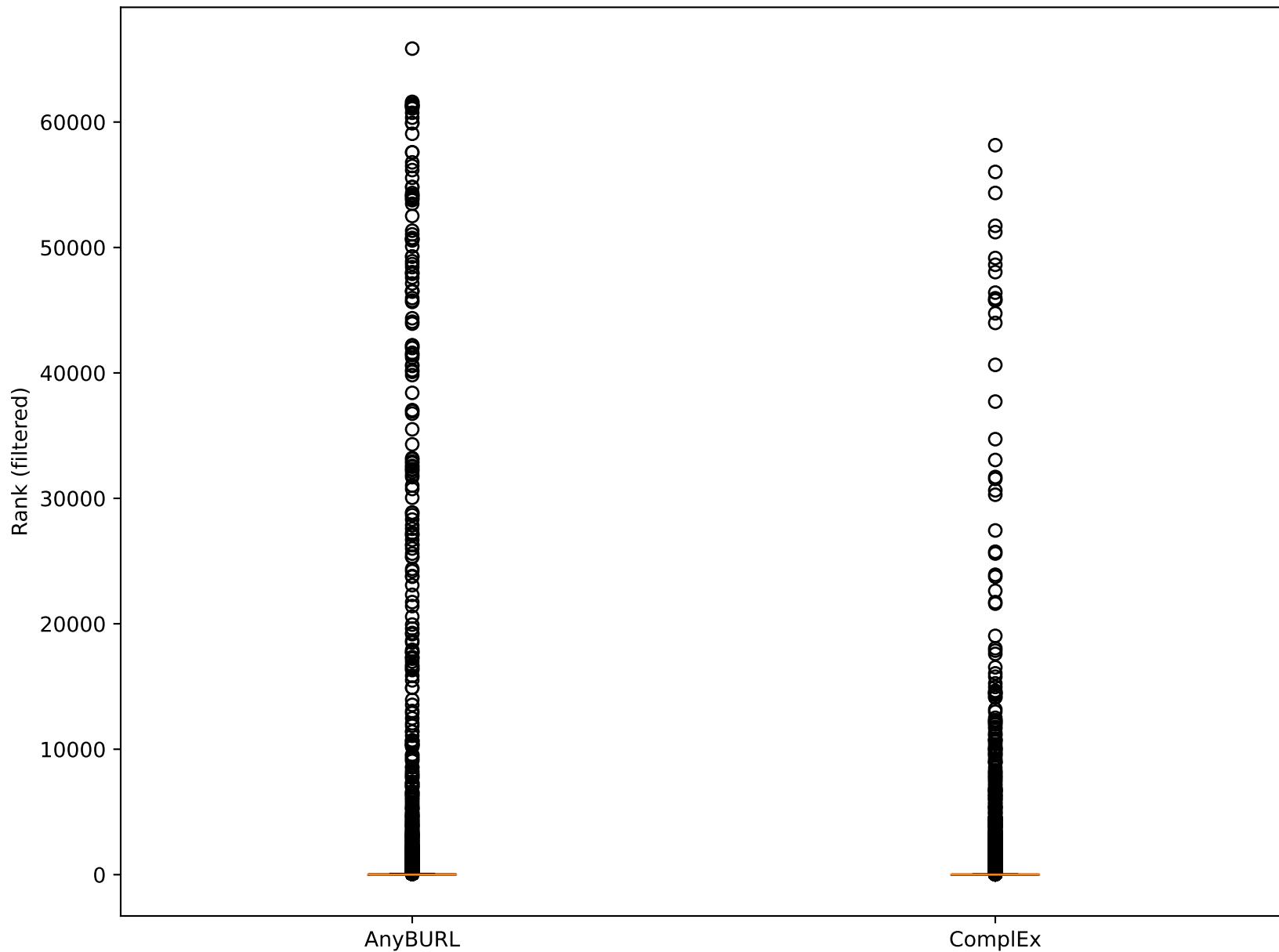


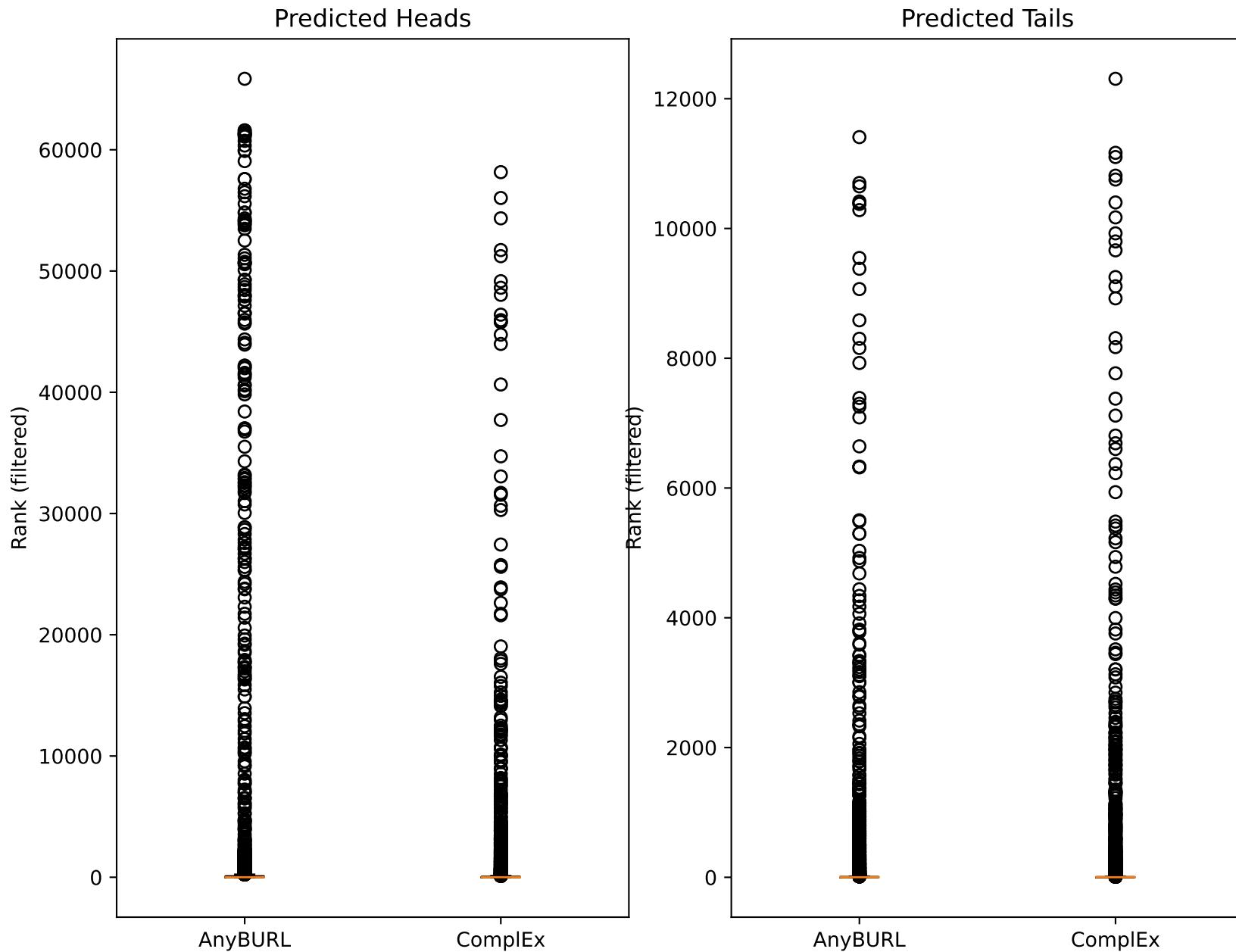
(yago3-10, AnyBURL, ComplEx) Metrics

	MRR	Hits@1	Hits@10	Hits@100
AnyBURL	0.584	0.521	0.696	0.810
ComplEx Combined	0.573	0.485	0.730	0.852
ComplEx 1	0.602	0.518	0.748	0.872
ComplEx 2	0.603	0.522	0.749	0.872
ComplEx 3	0.607	0.527	0.751	0.874
ComplEx 4	0.594	0.508	0.746	0.869
ComplEx 5	0.595	0.512	0.747	0.870

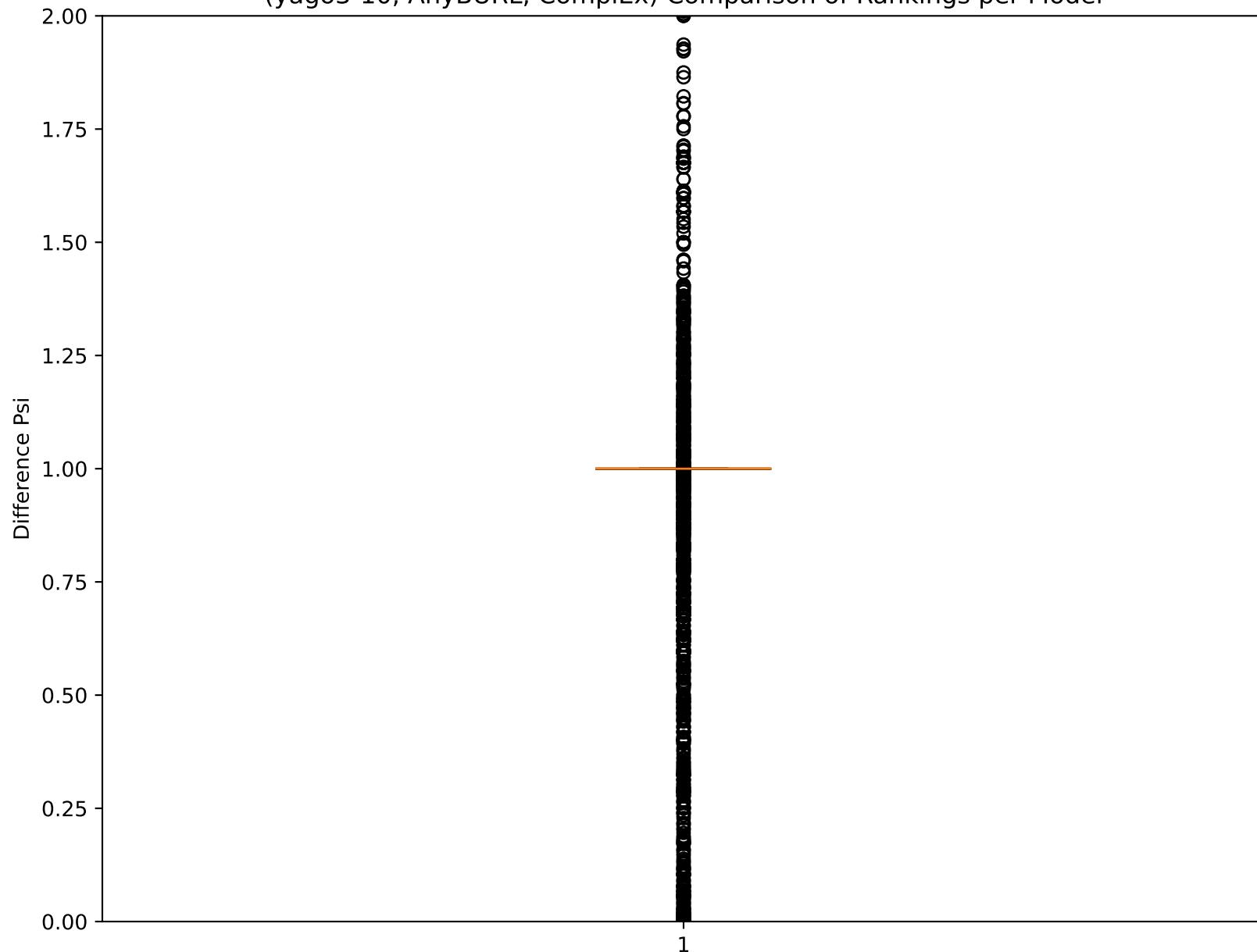
(yago3-10, AnyBURL, ComplEx) Comparison of Rankings per Model



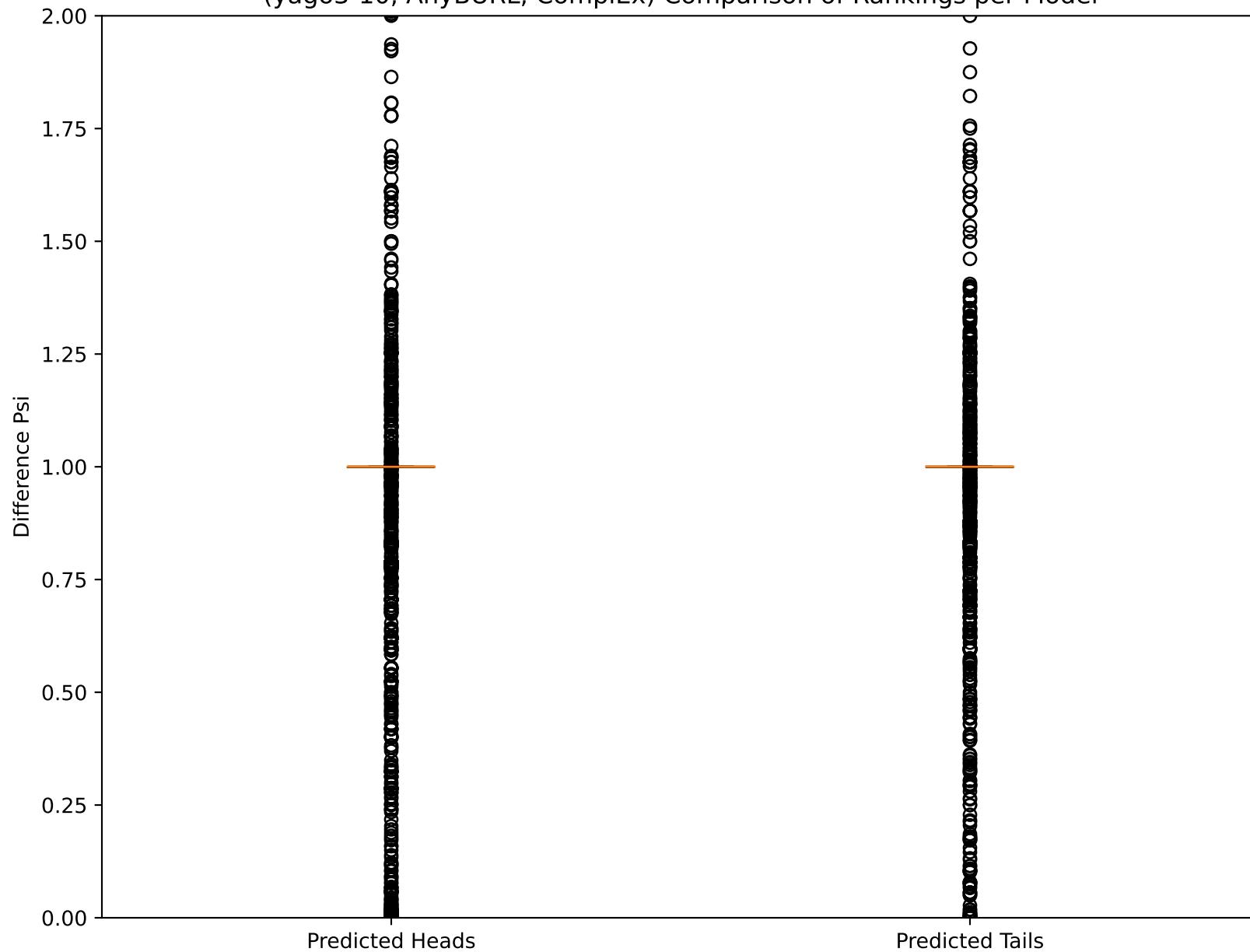
(yago3-10, AnyBURL, ComplEx) Comparison of Rankings per Model and Prediction Direction



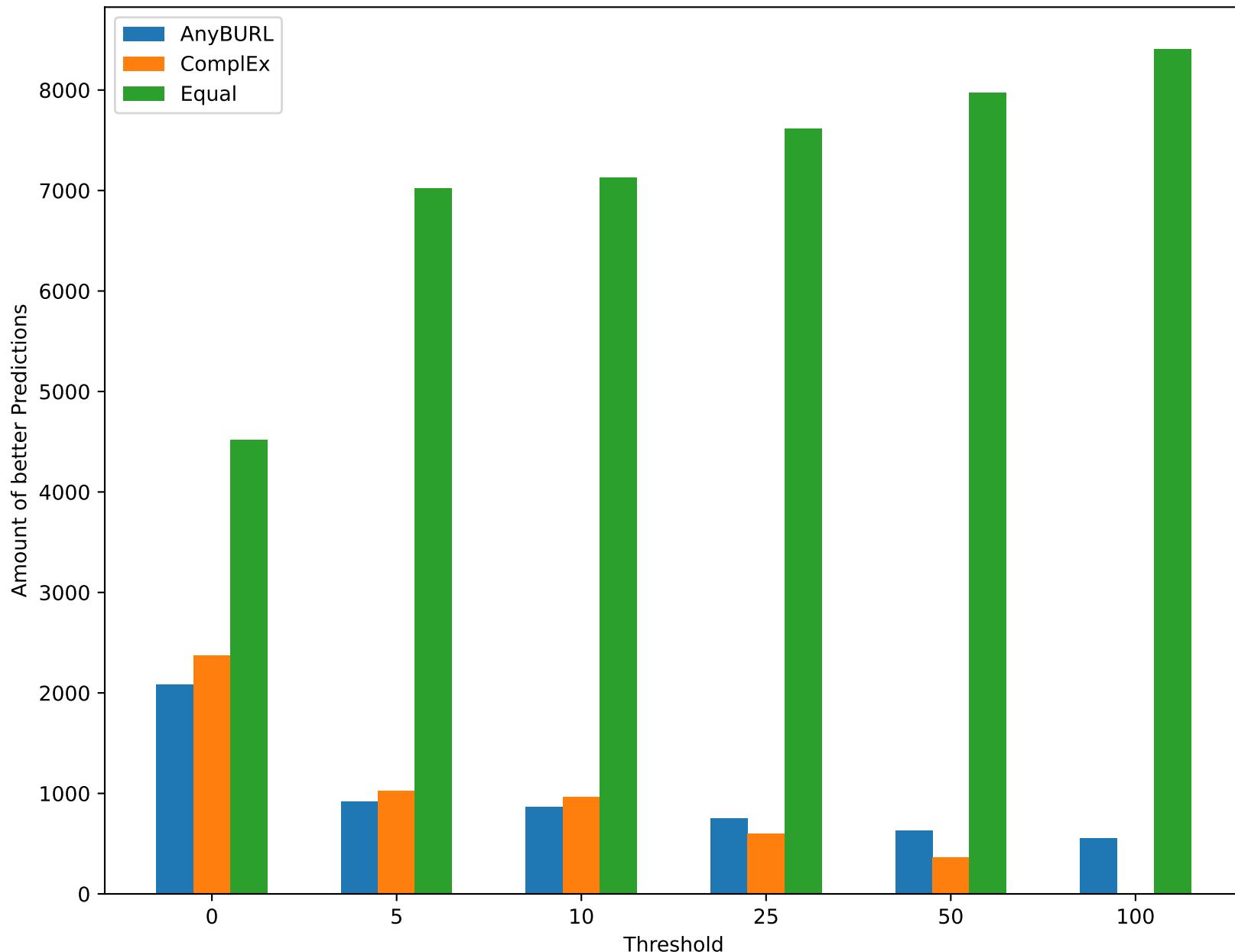
(yago3-10, AnyBURL, ComplEx) Comparison of Rankings per Model



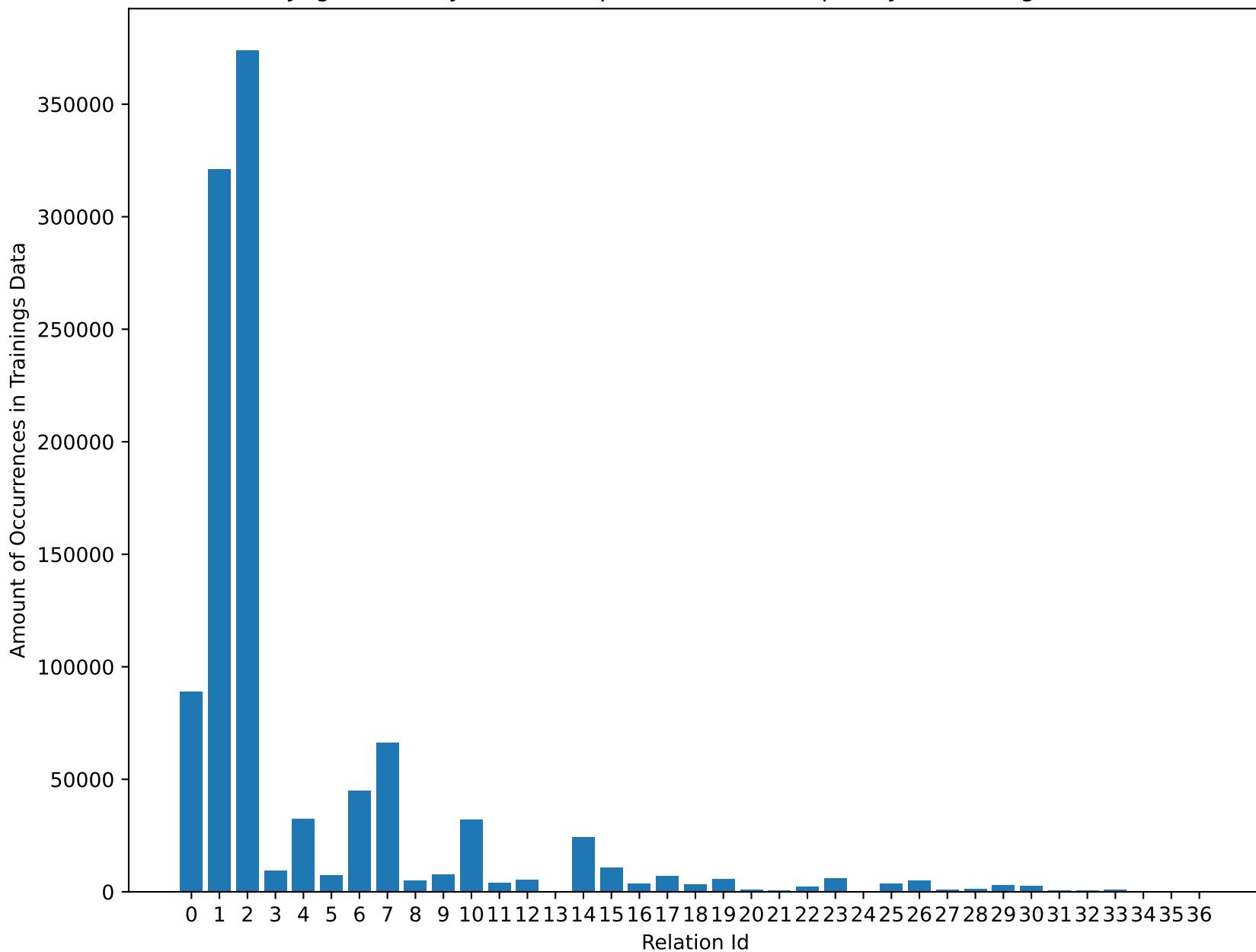
(yago3-10, AnyBURL, ComplEx) Comparison of Rankings per Model



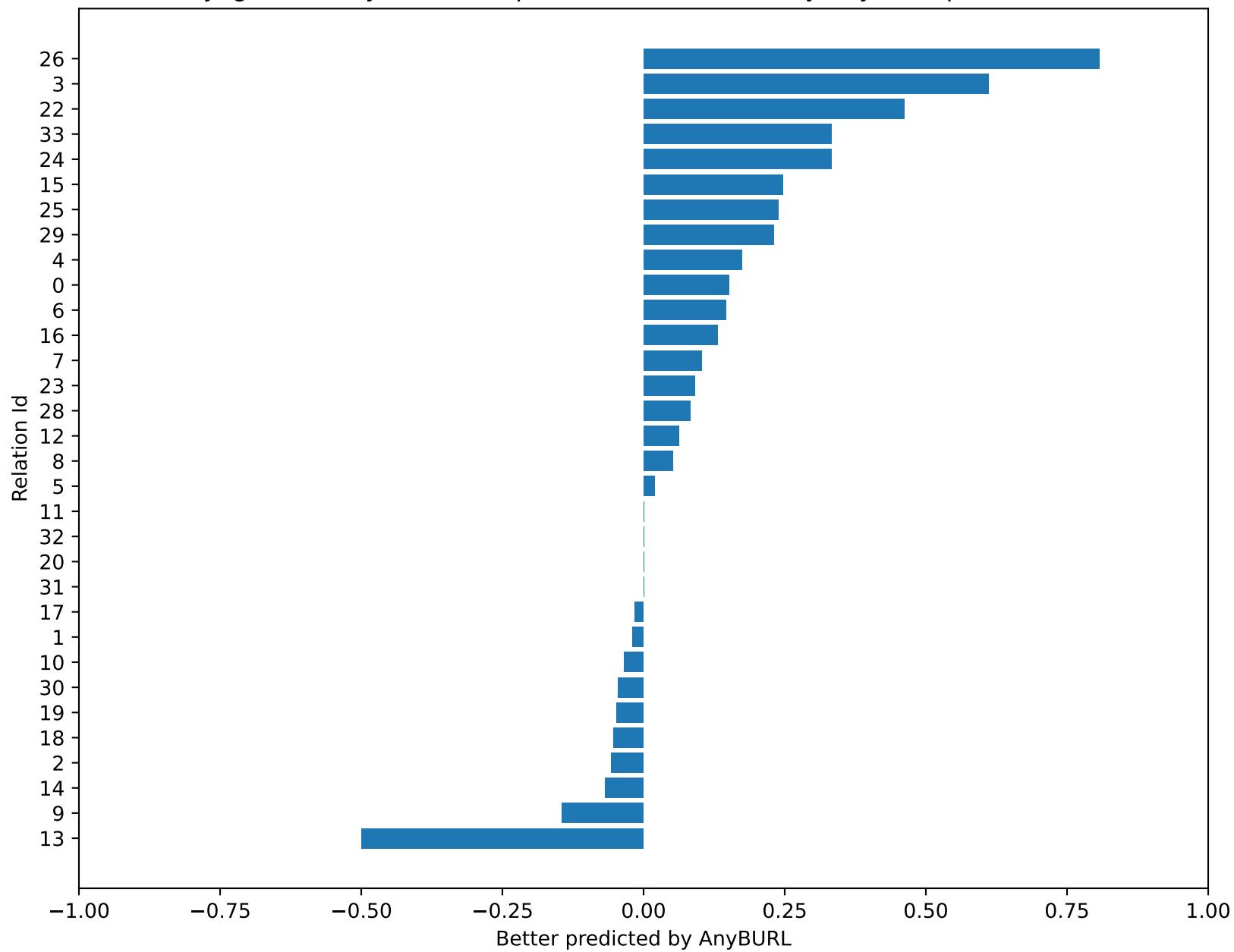
(yago3-10, AnyBURL, ComplEx) Comparison of Rankings for different Thresholds



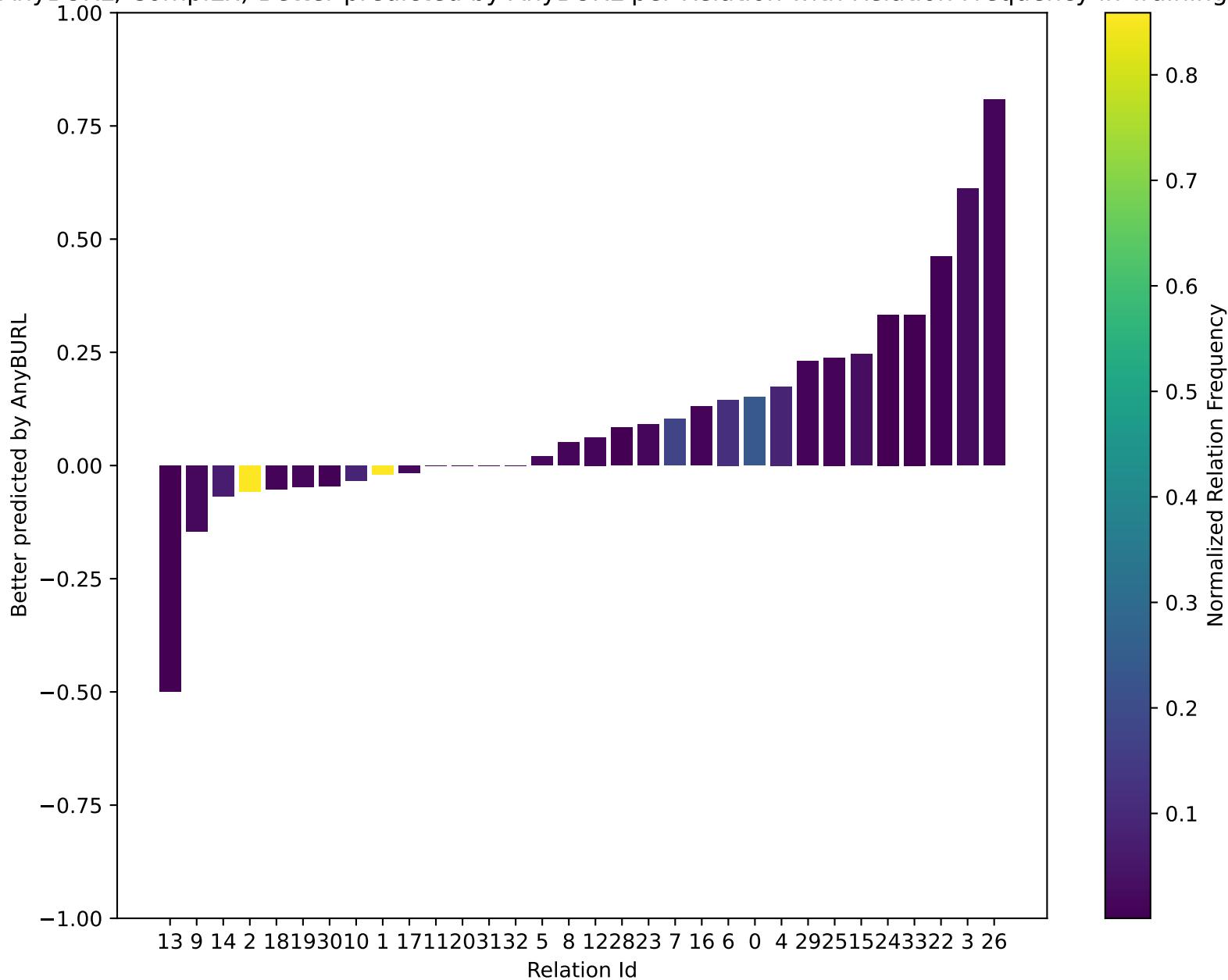
(yago3-10, AnyBURL, ComplEx) Relation Frequency in Trainings Data



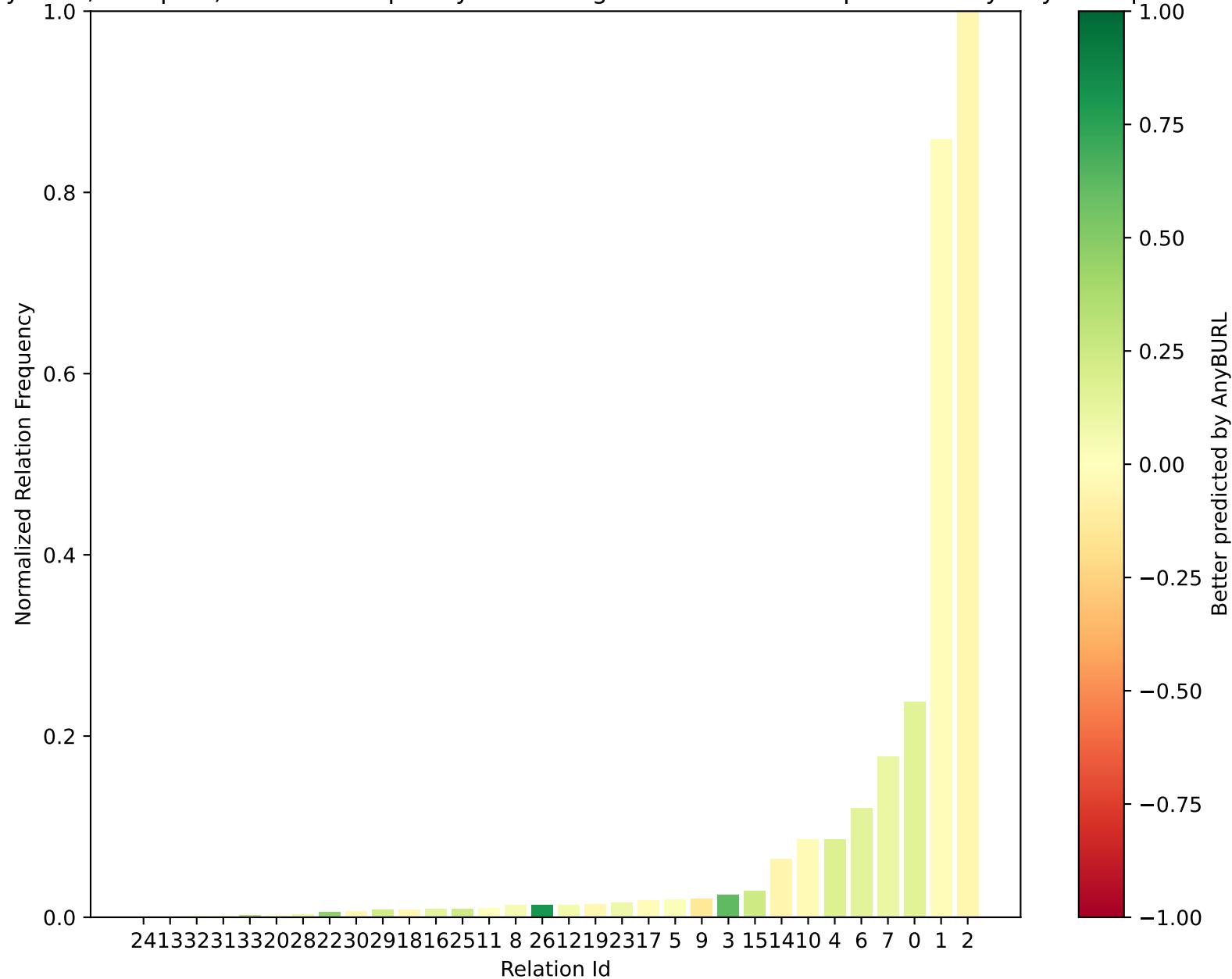
(yago3-10, AnyBURL, ComplEx) Better Predicted by AnyBURL per Relation



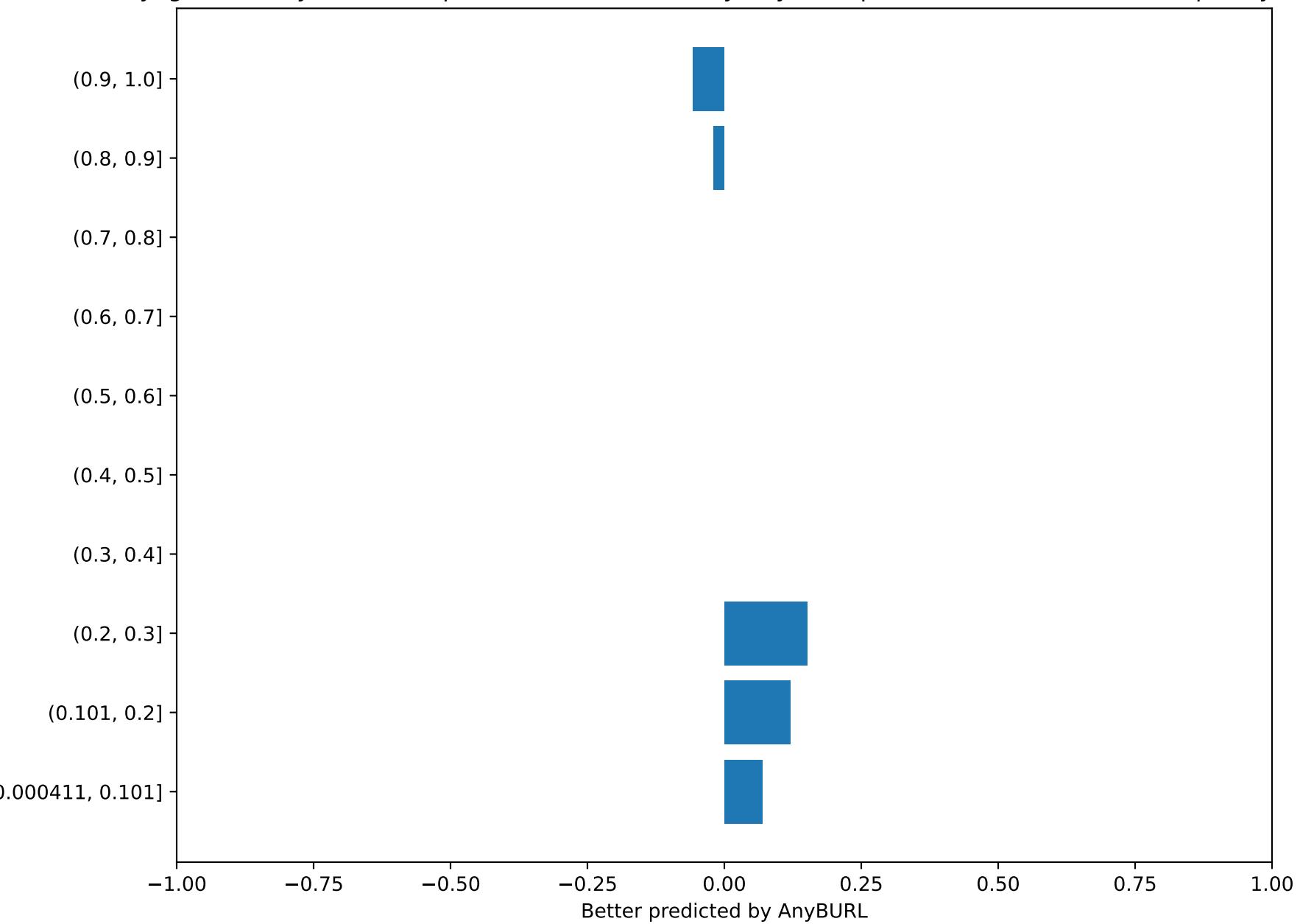
3-10, AnyBURL, ComplEx) Better predicted by AnyBURL per Relation with Relation Frequency in Trainings Data



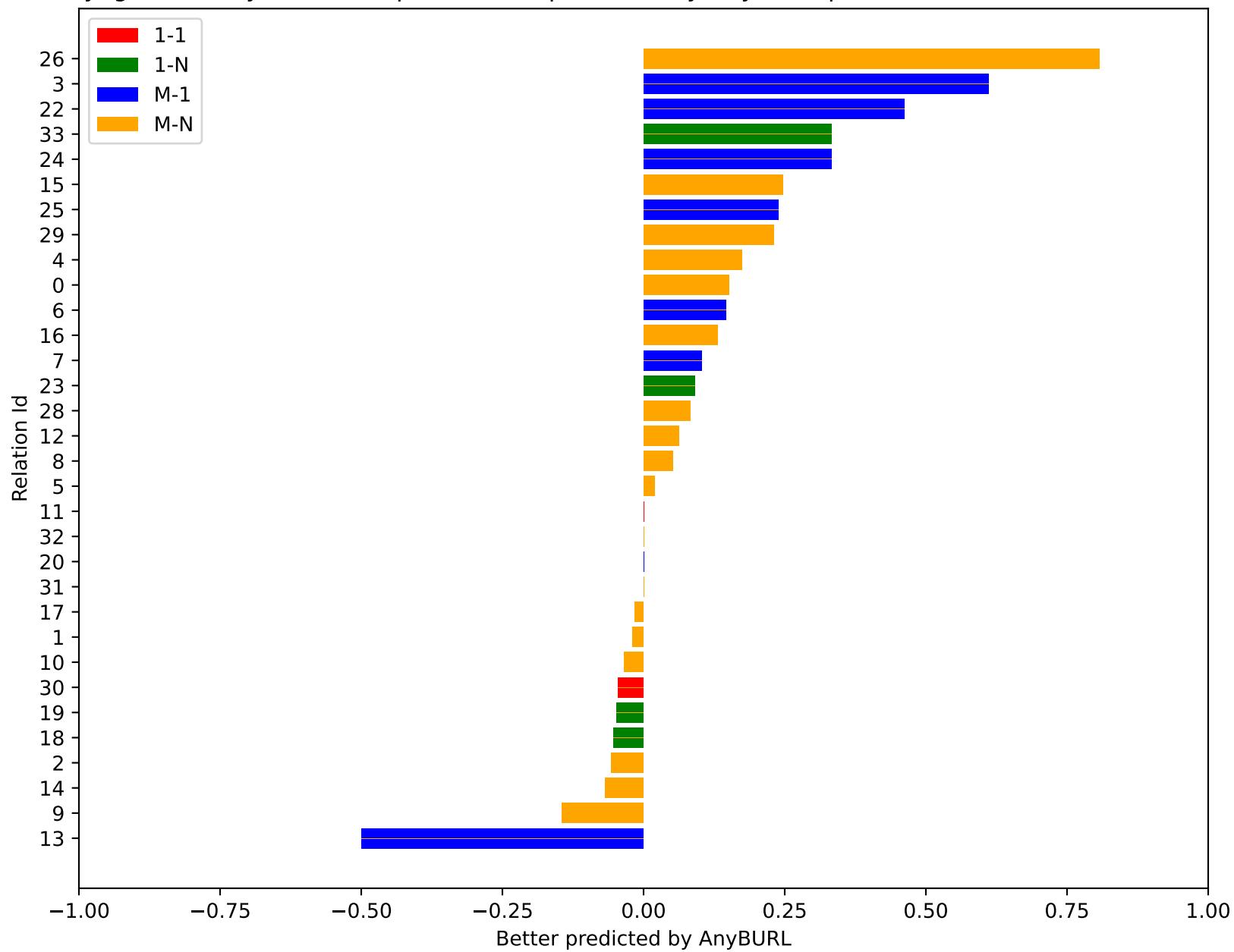
B3-10, AnyBURL, ComplEx) Relation Frequency in Trainings Data with Better predicted by AnyBURL per Relation



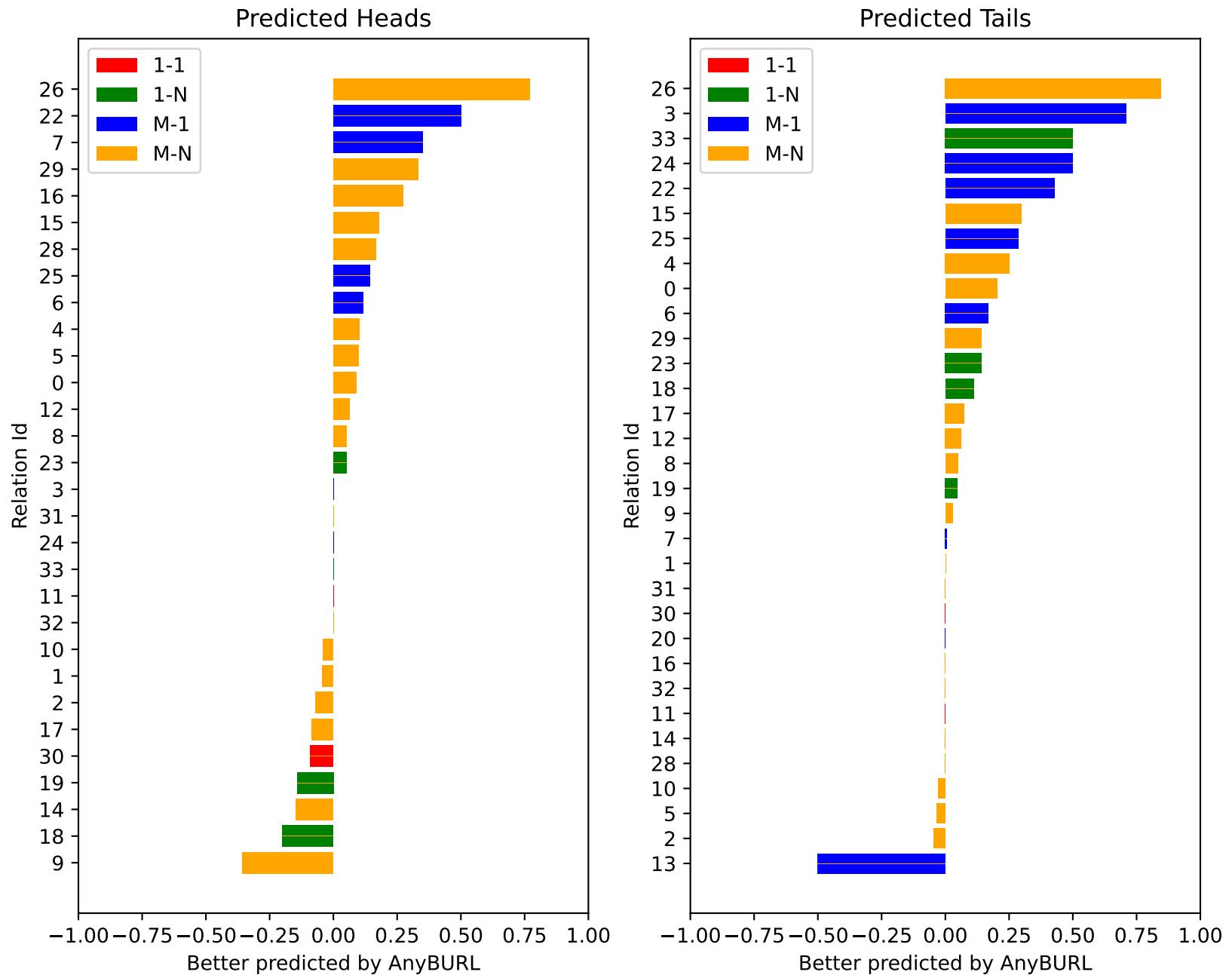
(yago3-10, AnyBURL, ComplEx) Better Predicted by AnyBURL per Normalized Relation Frequency Bin



(yago3-10, AnyBURL, ComplEx) Better predicted by AnyBURL per Relation with Relation Class



(yago3-10, AnyBURL, ComplEx) Better predicted by AnyBURL per Relation with Relation Class

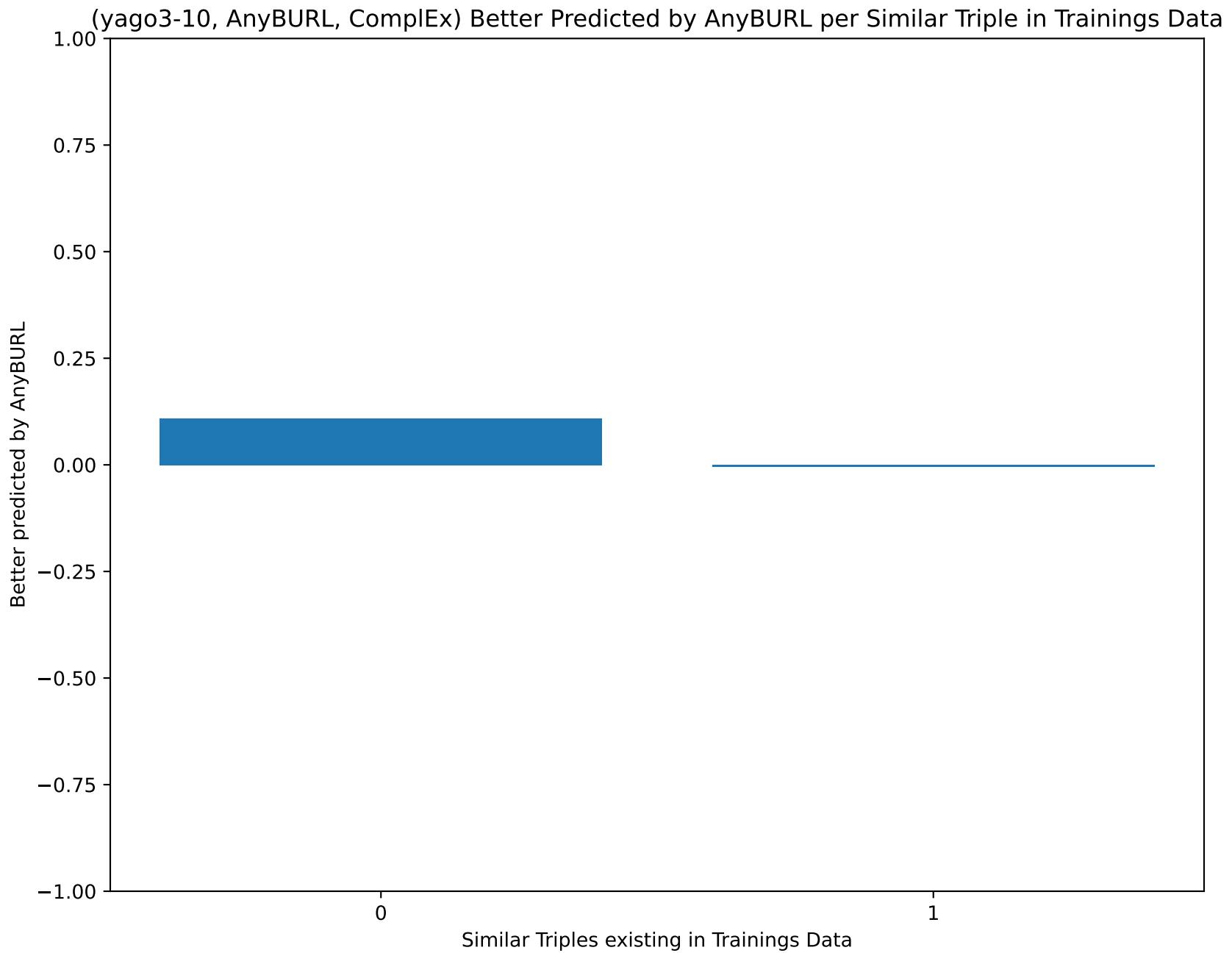


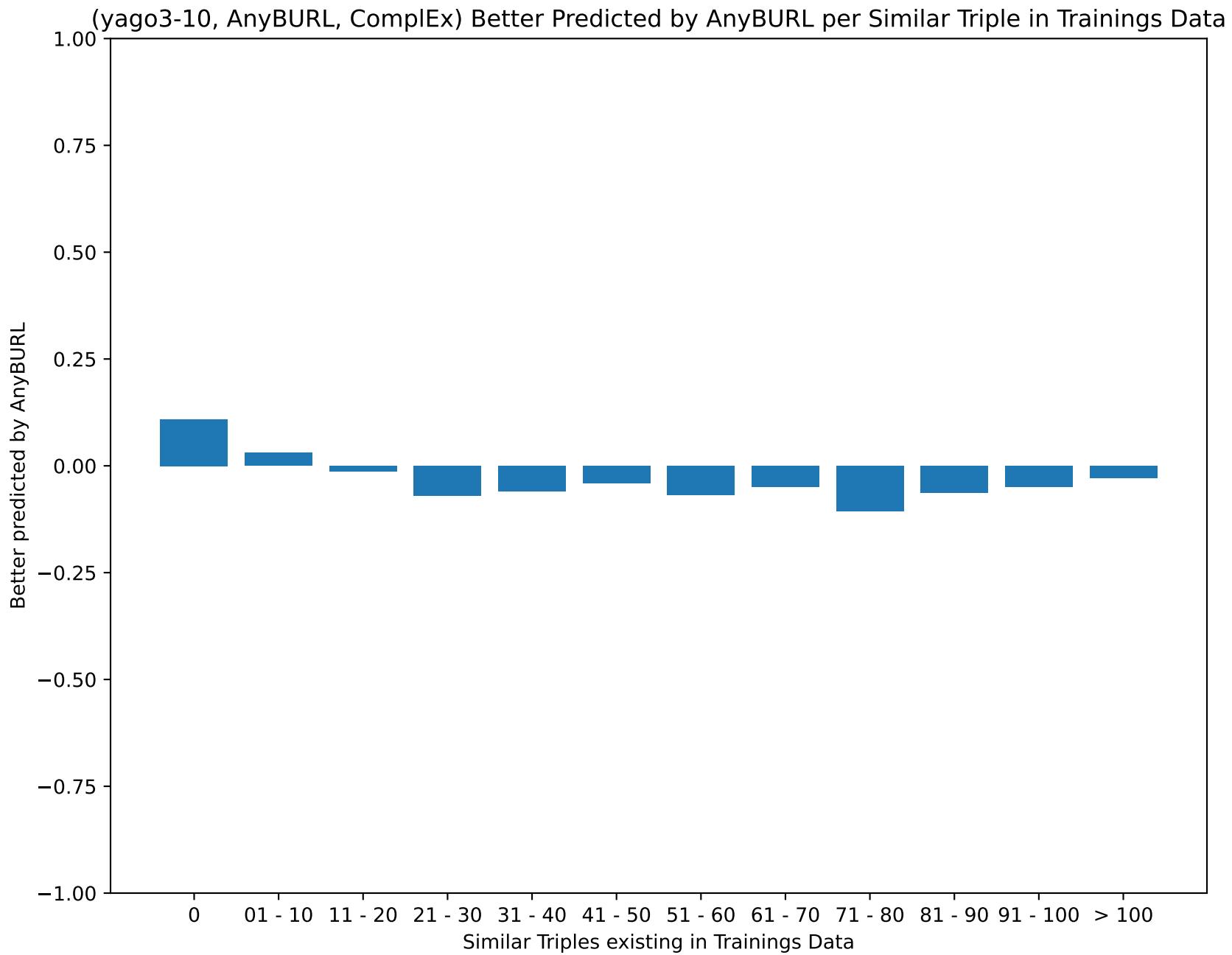
(yago3-10, AnyBURL, ComplEx) Better predicted per Relation Class in %

	AnyBURL	ComplEx	Equal
1-1	3.571%	5.357%	91.071%
1-N	16.495%	15.464%	68.041%
M-1	21.923%	6.795%	71.282%
M-N	7.375%	8.347%	84.278%

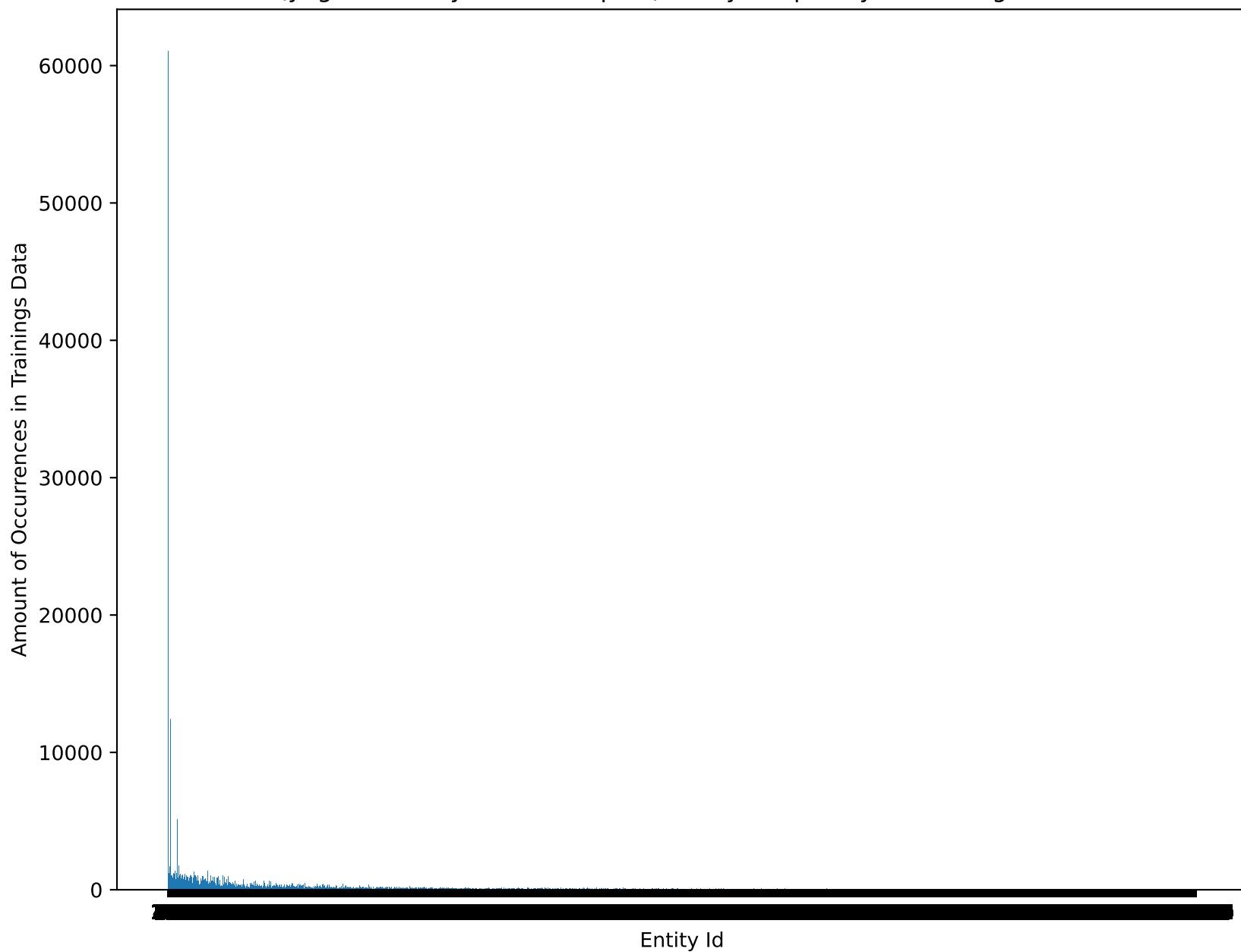
(yago3-10, AnyBURL, ComplEx) Better predicted per Relation Class in % (cleaned)

	AnyBURL	ComplEx	Equal
1-1	3.571%	5.357%	91.071%
1-N	27.619%	6.984%	65.397%
M-1	17.794%	8.185%	74.021%
M-N	7.375%	8.347%	84.278%

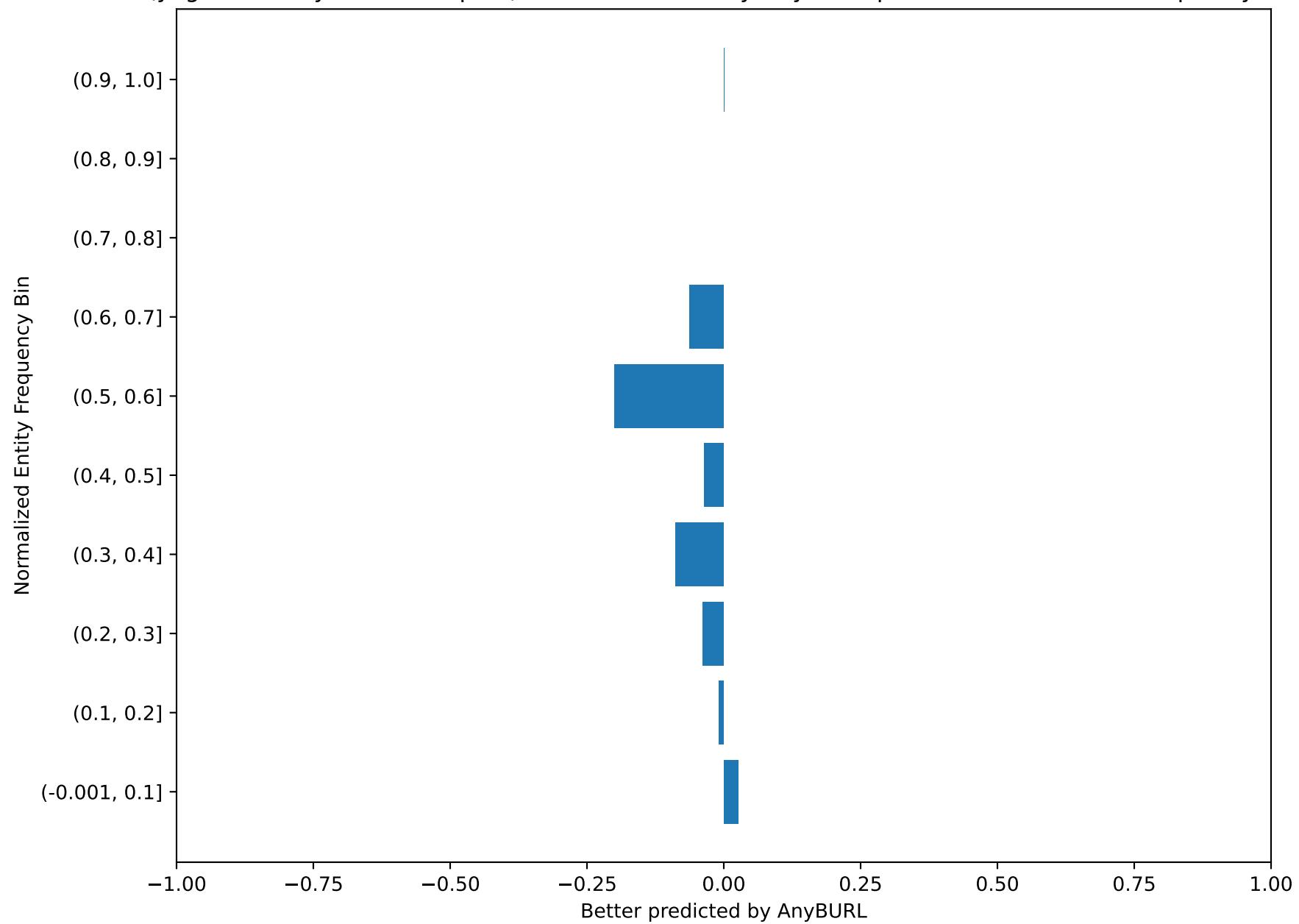




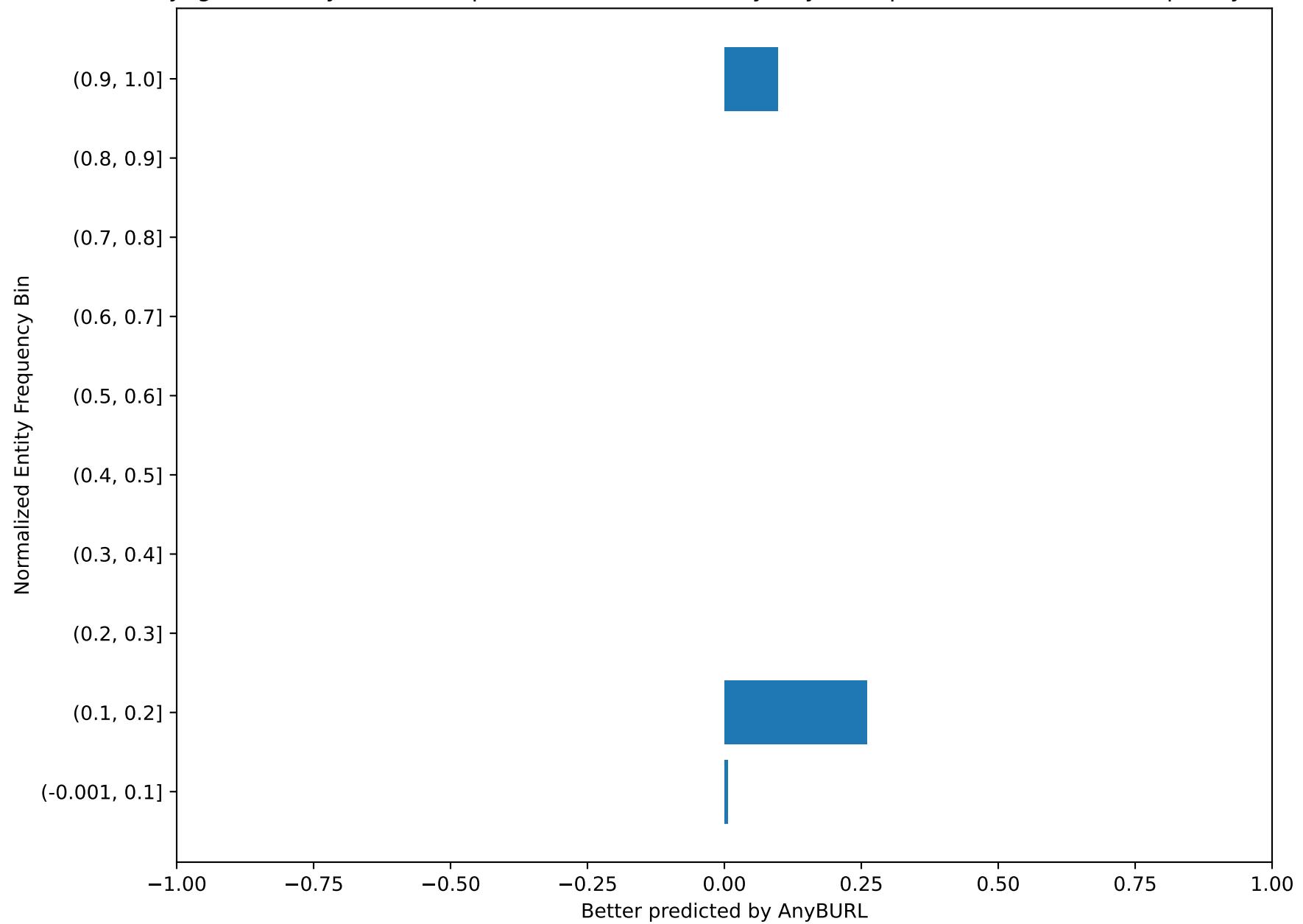
(yago3-10, AnyBURL, ComplEx) Entity Frequency in Trainings Data



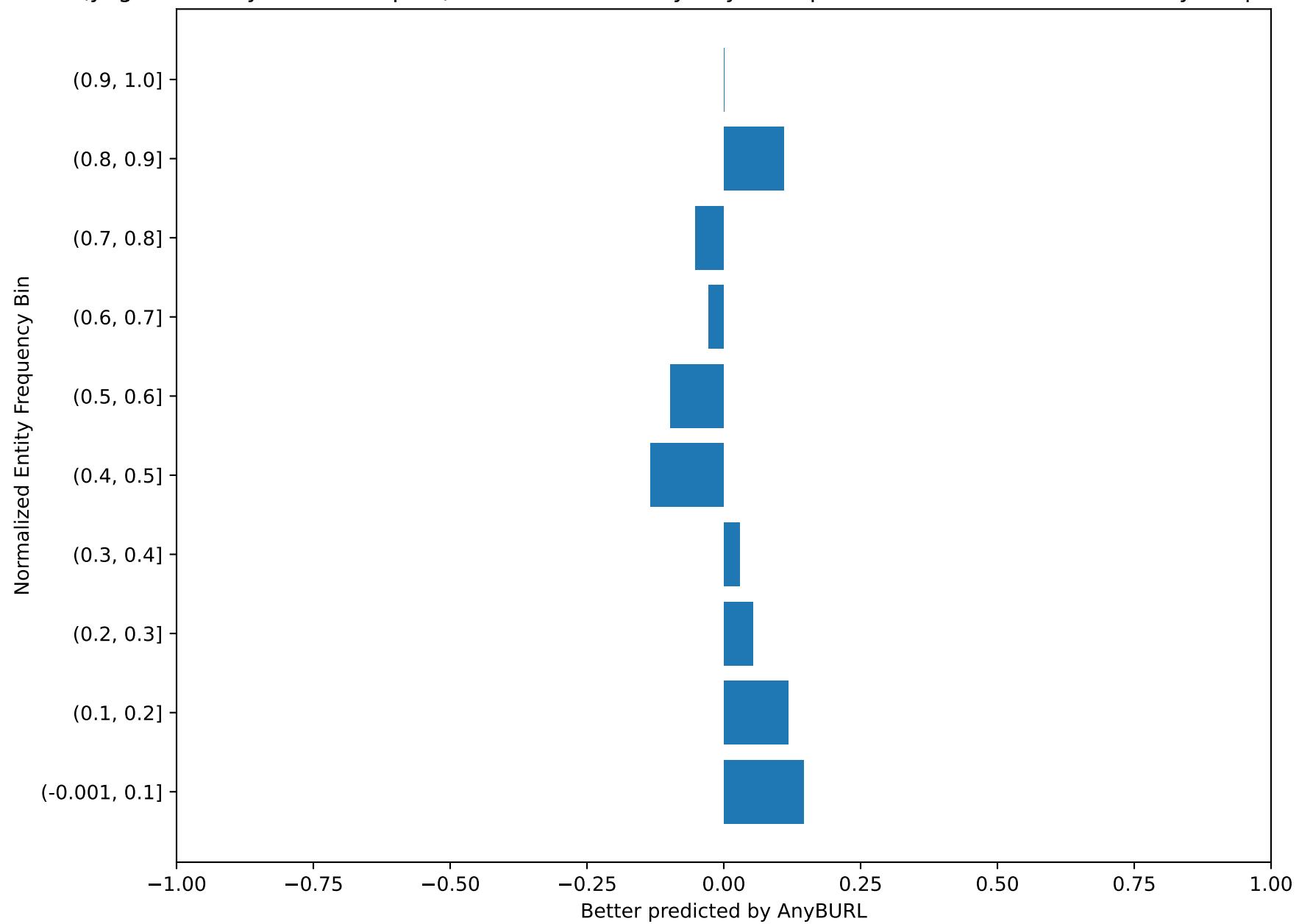
(yago3-10, AnyBURL, ComplEx) Better Predicted by AnyBURL per Normalized Head Frequency Bin



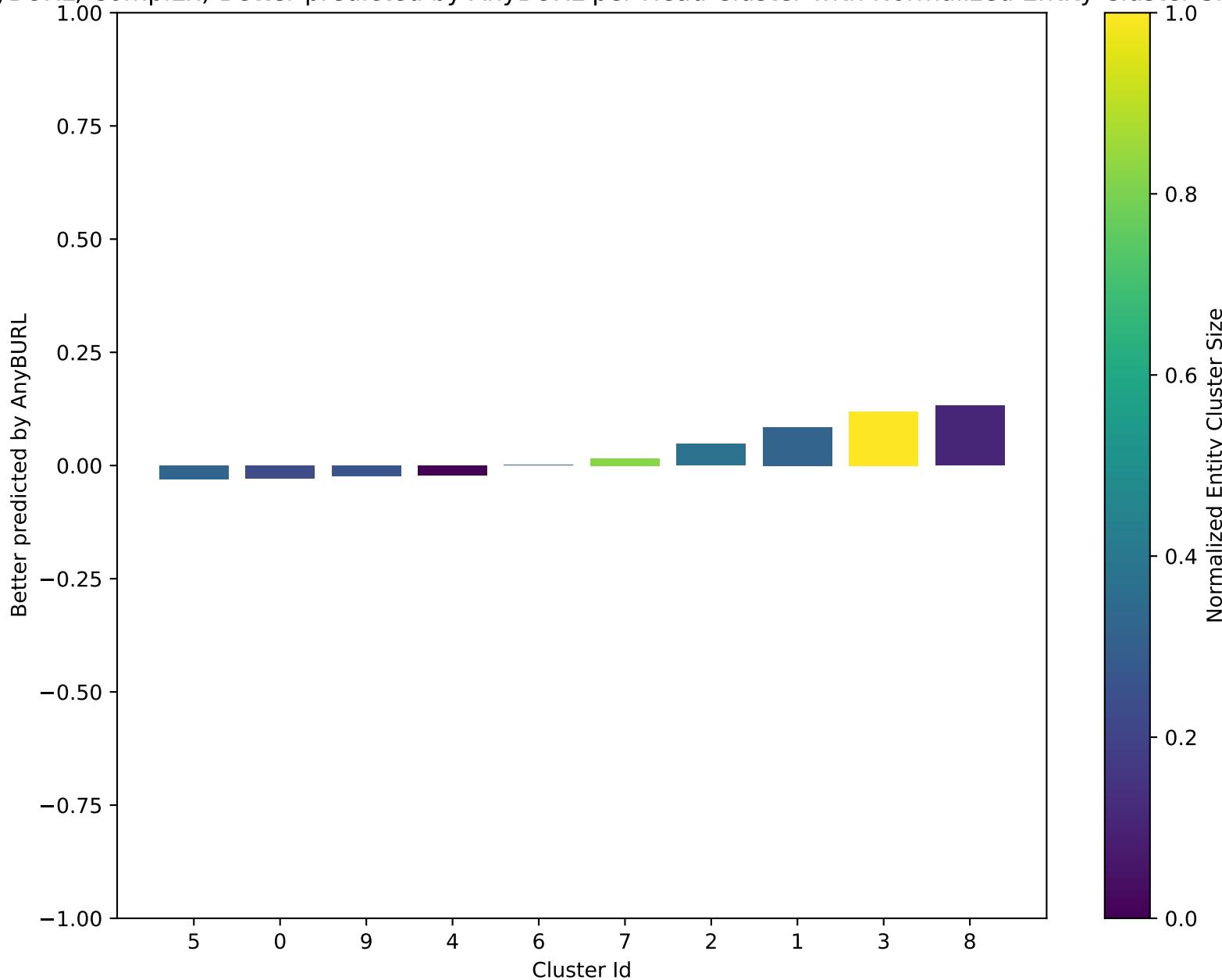
(yago3-10, AnyBURL, ComplEx) Better Predicted by AnyBURL per Normalized Tail Frequency Bin



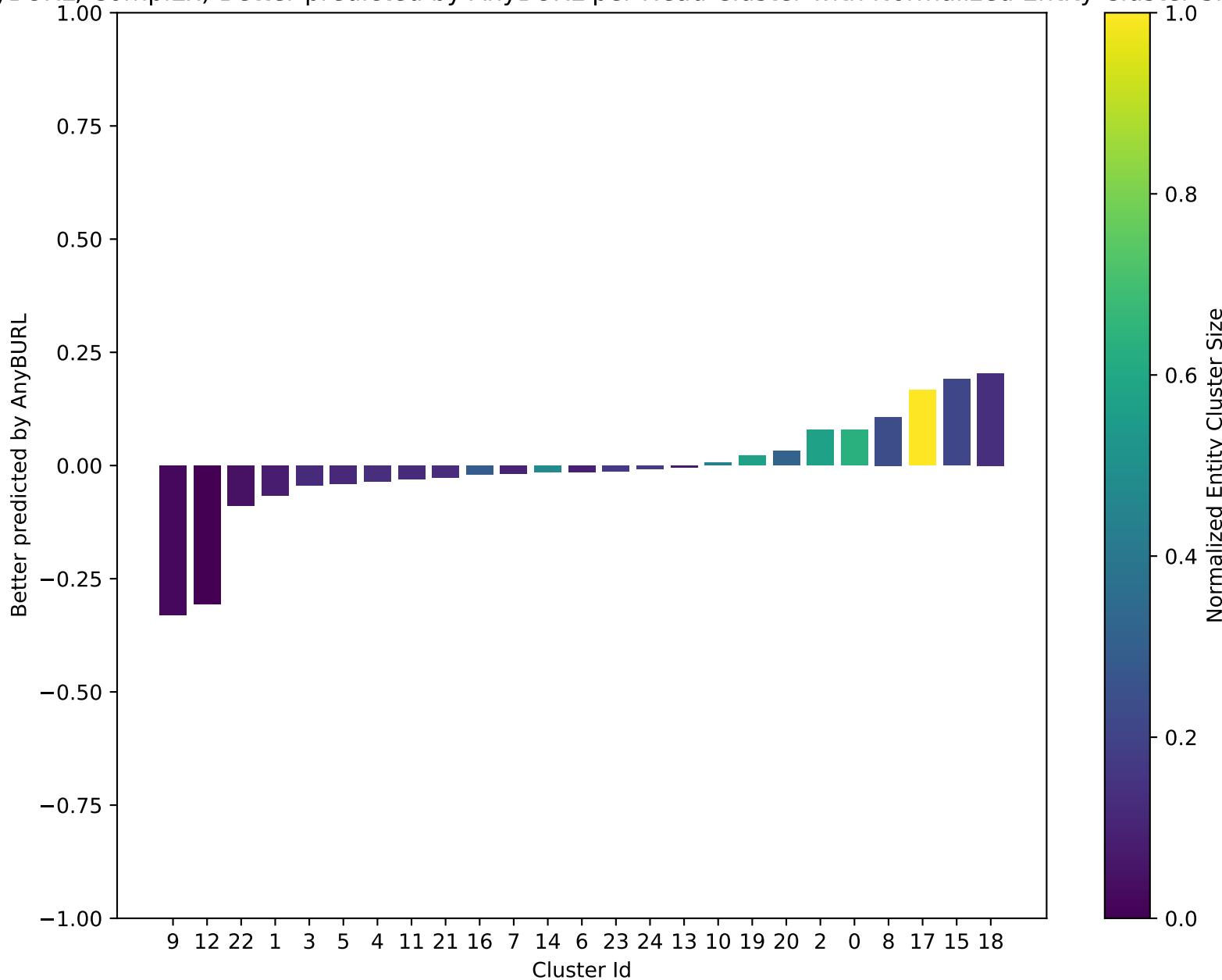
(yago3-10, AnyBURL, ComplEx) Better Predicted by AnyBURL per Combined Normalized Entity Frequency Bin



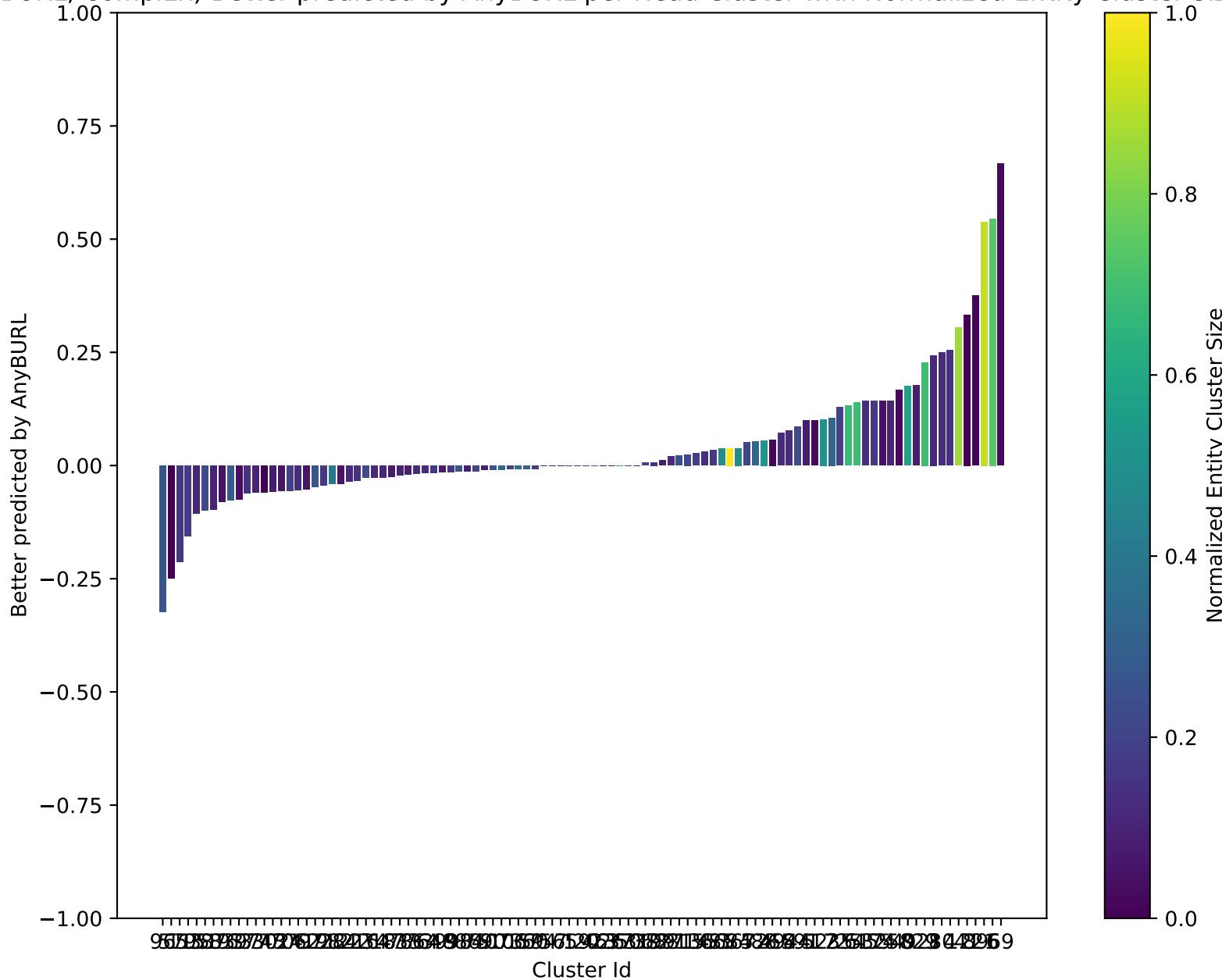
0, AnyBURL, ComplEx) Better predicted by AnyBURL per Head Cluster with Normalized Entity Cluster Size (n=10)



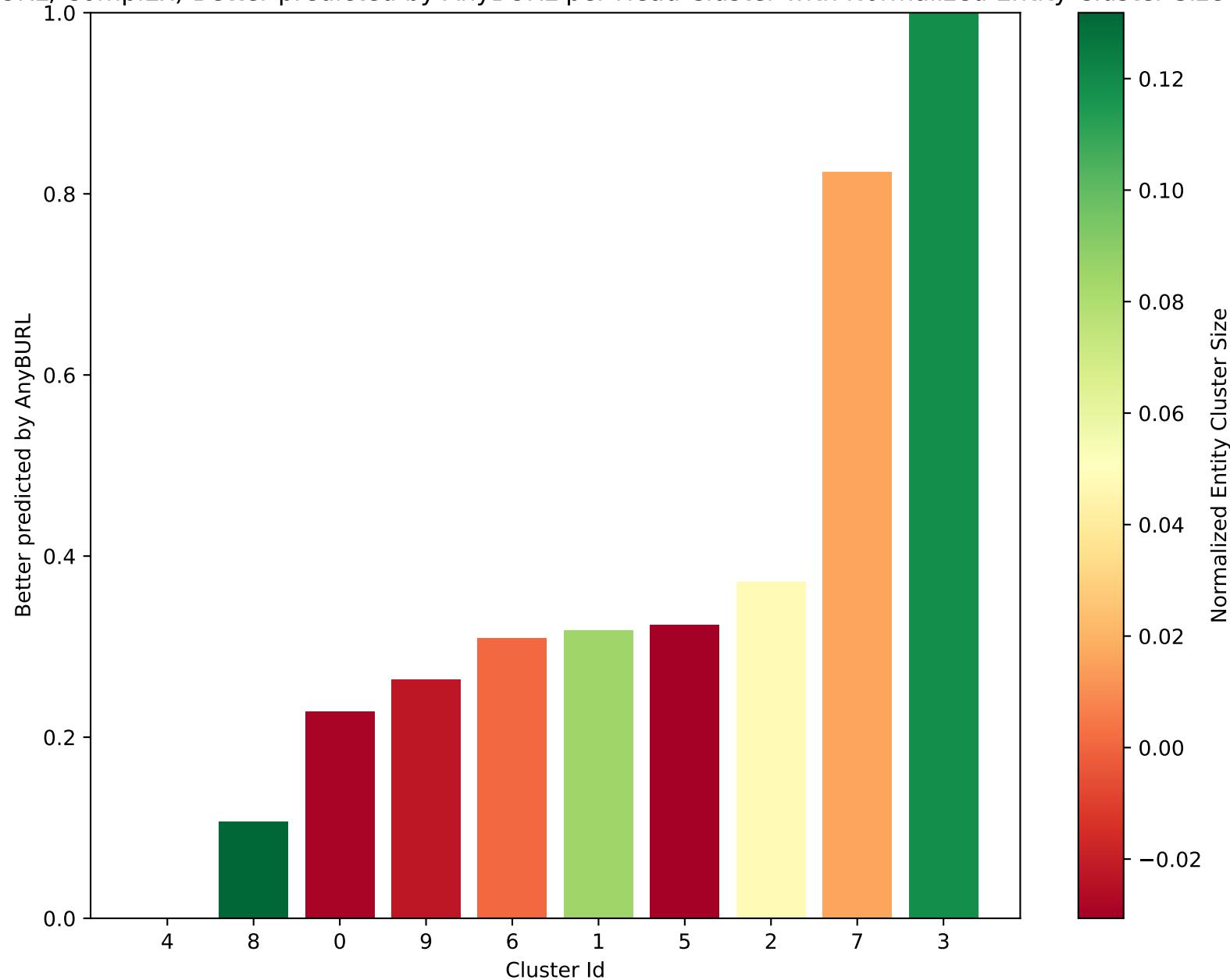
0, AnyBURL, ComplEx) Better predicted by AnyBURL per Head Cluster with Normalized Entity Cluster Size (n=25)



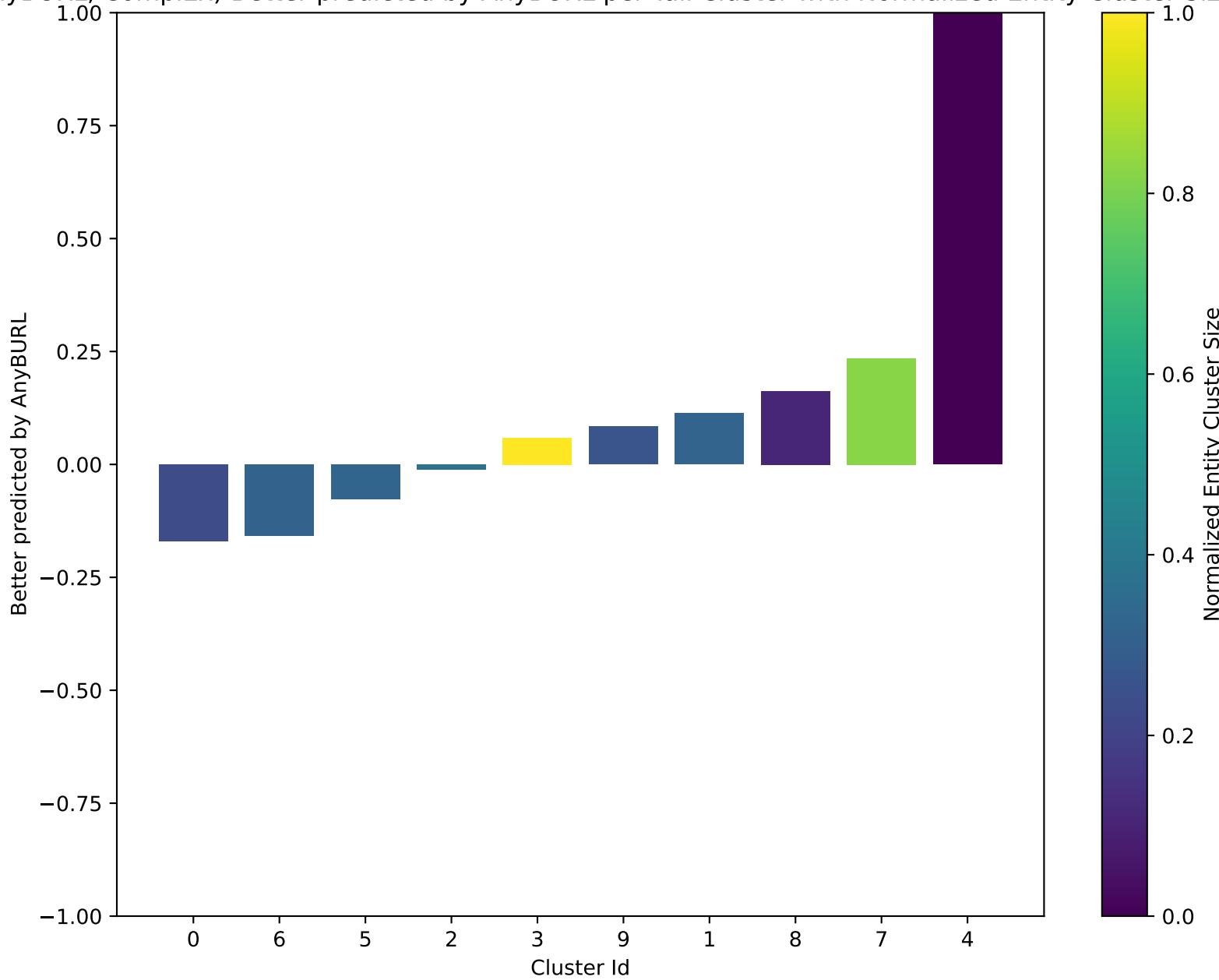
0, AnyBURL, ComplEx) Better predicted by AnyBURL per Head Cluster with Normalized Entity Cluster Size (n=100)



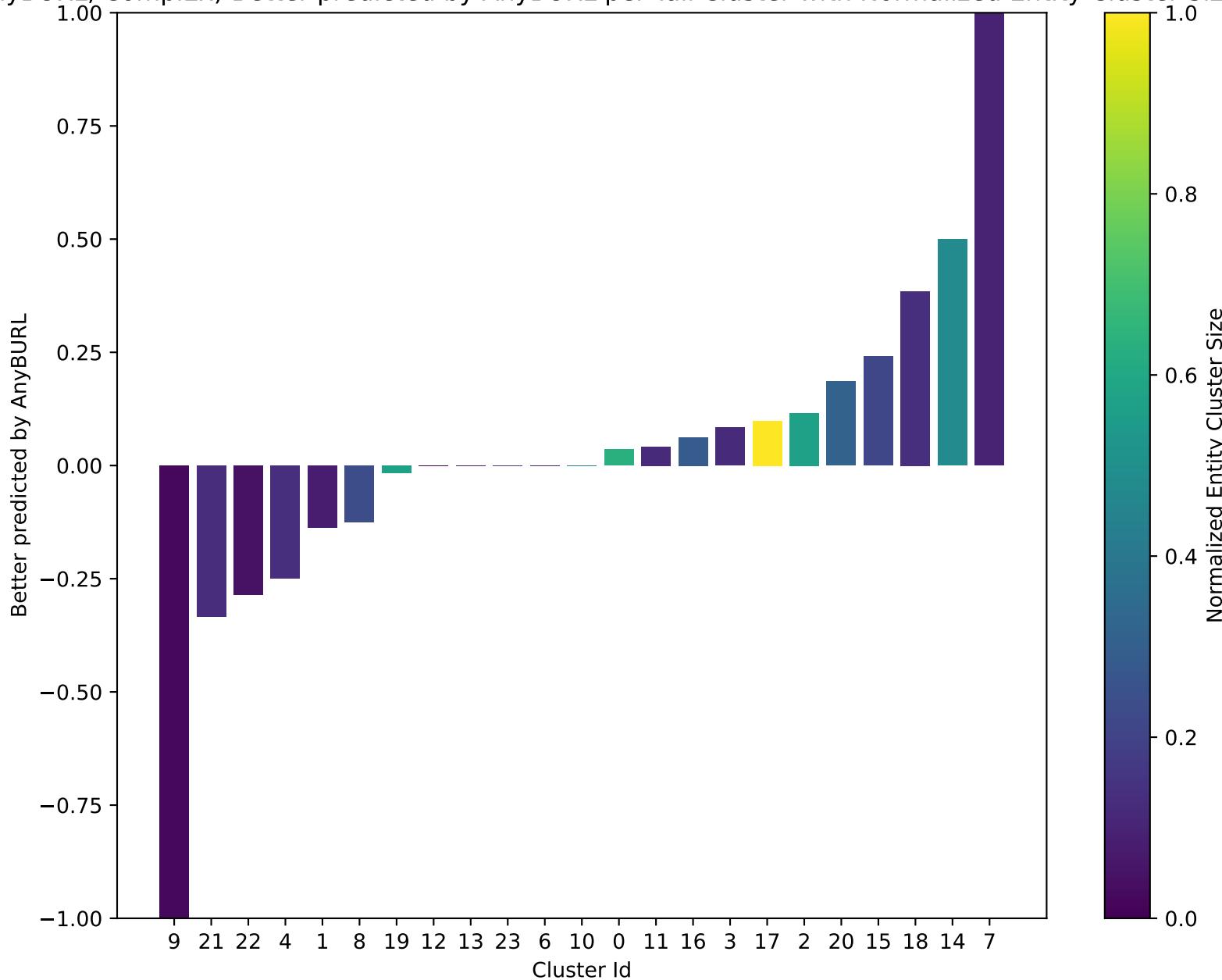
0, AnyBURL, ComplEx) Better predicted by AnyBURL per Head Cluster with Normalized Entity Cluster Size (n=10)



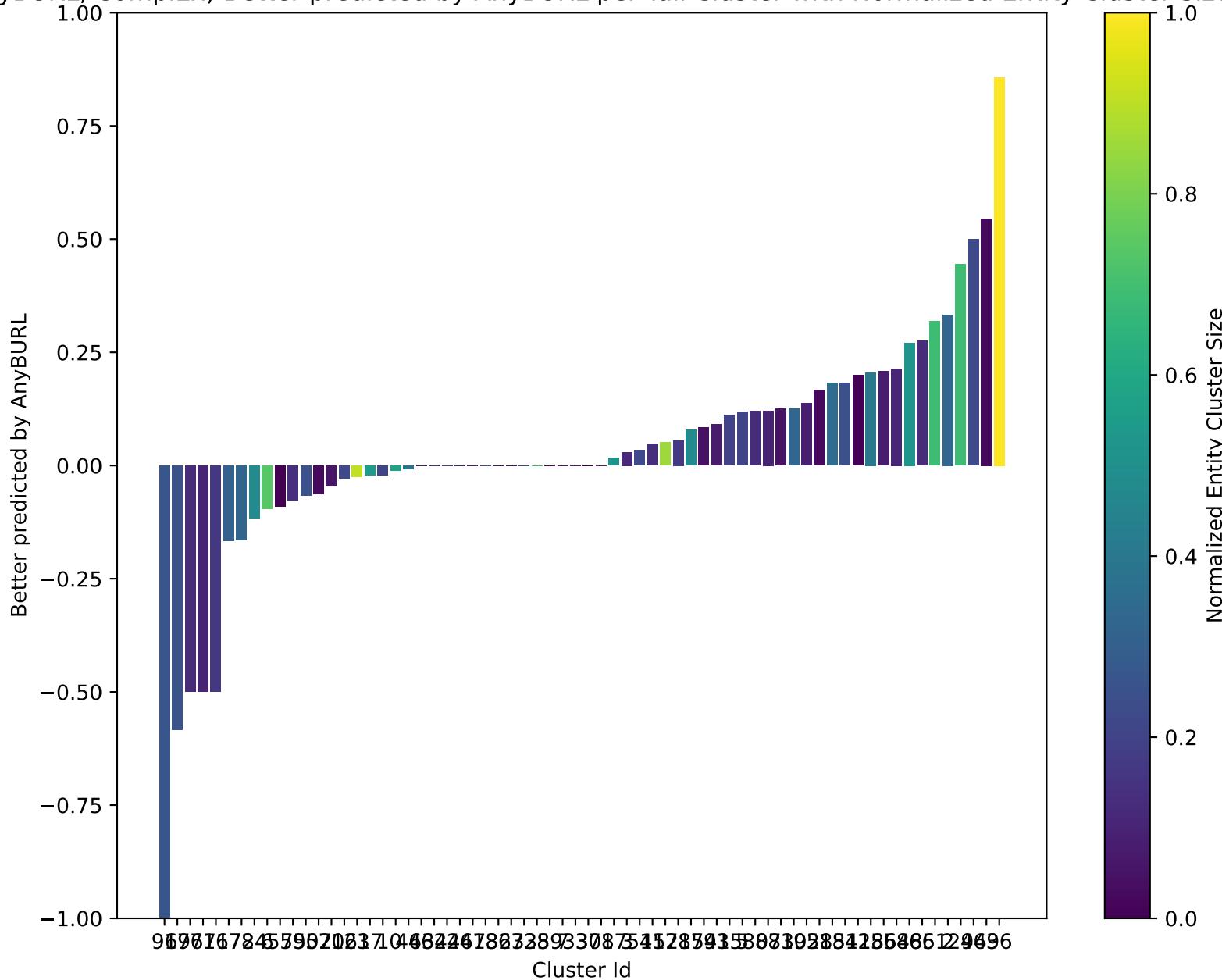
10, AnyBURL, ComplEx) Better predicted by AnyBURL per Tail Cluster with Normalized Entity Cluster Size (n=10)



10, AnyBURL, ComplEx) Better predicted by AnyBURL per Tail Cluster with Normalized Entity Cluster Size (n=25)



0, AnyBURL, ComplEx) Better predicted by AnyBURL per Tail Cluster with Normalized Entity Cluster Size (n=100)



10, AnyBURL, ComplEx) Better predicted by AnyBURL per Tail Cluster with Normalized Entity Cluster Size (n=10)

