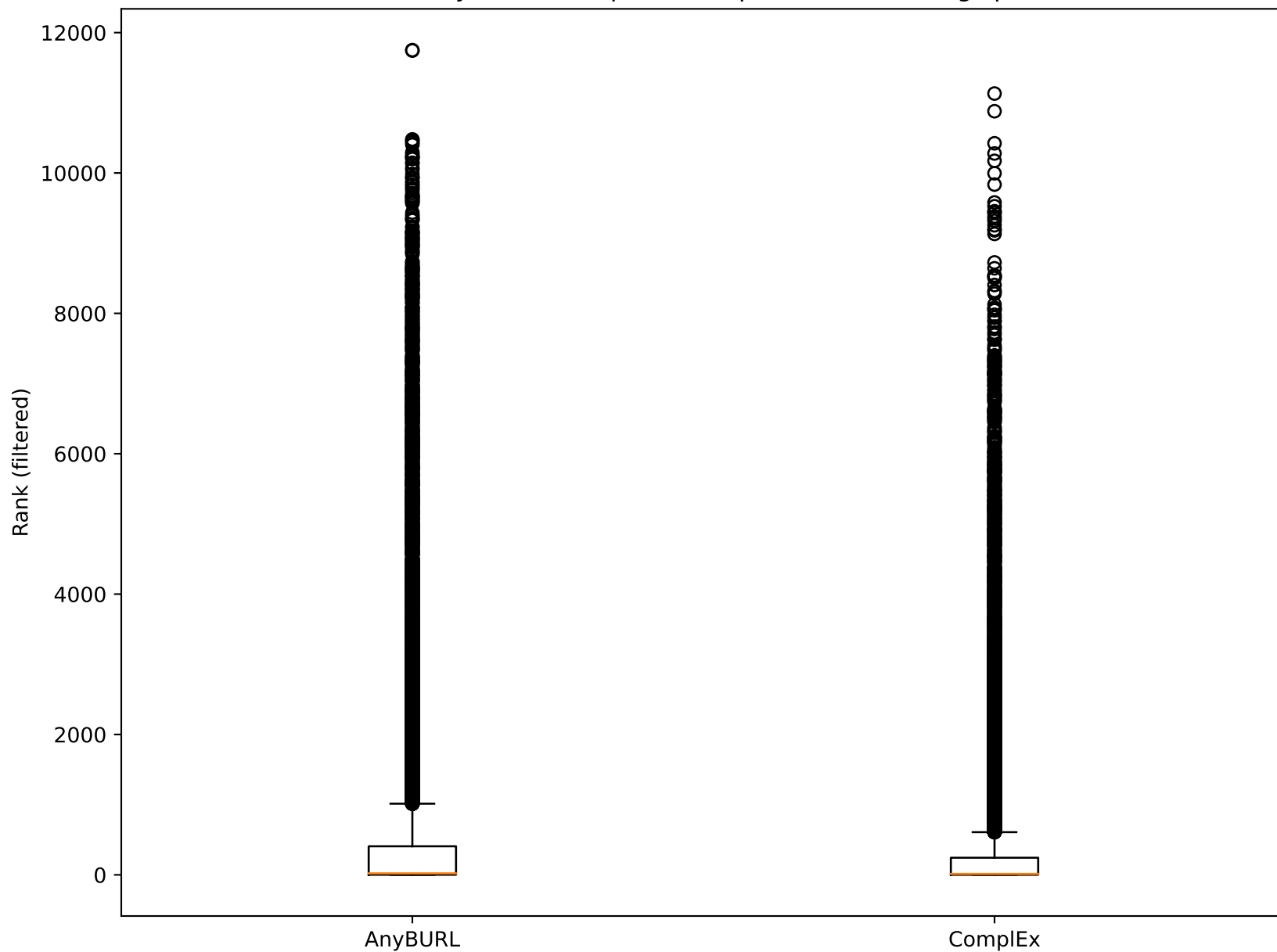


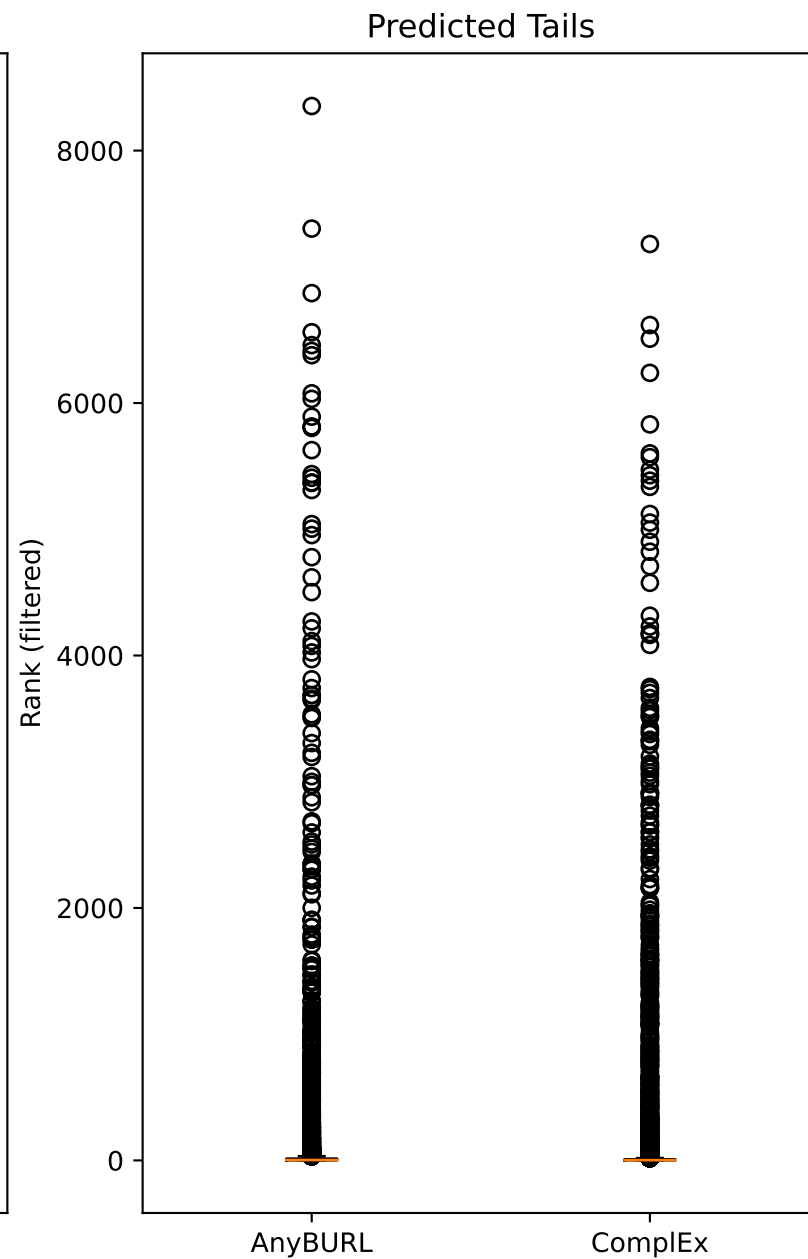
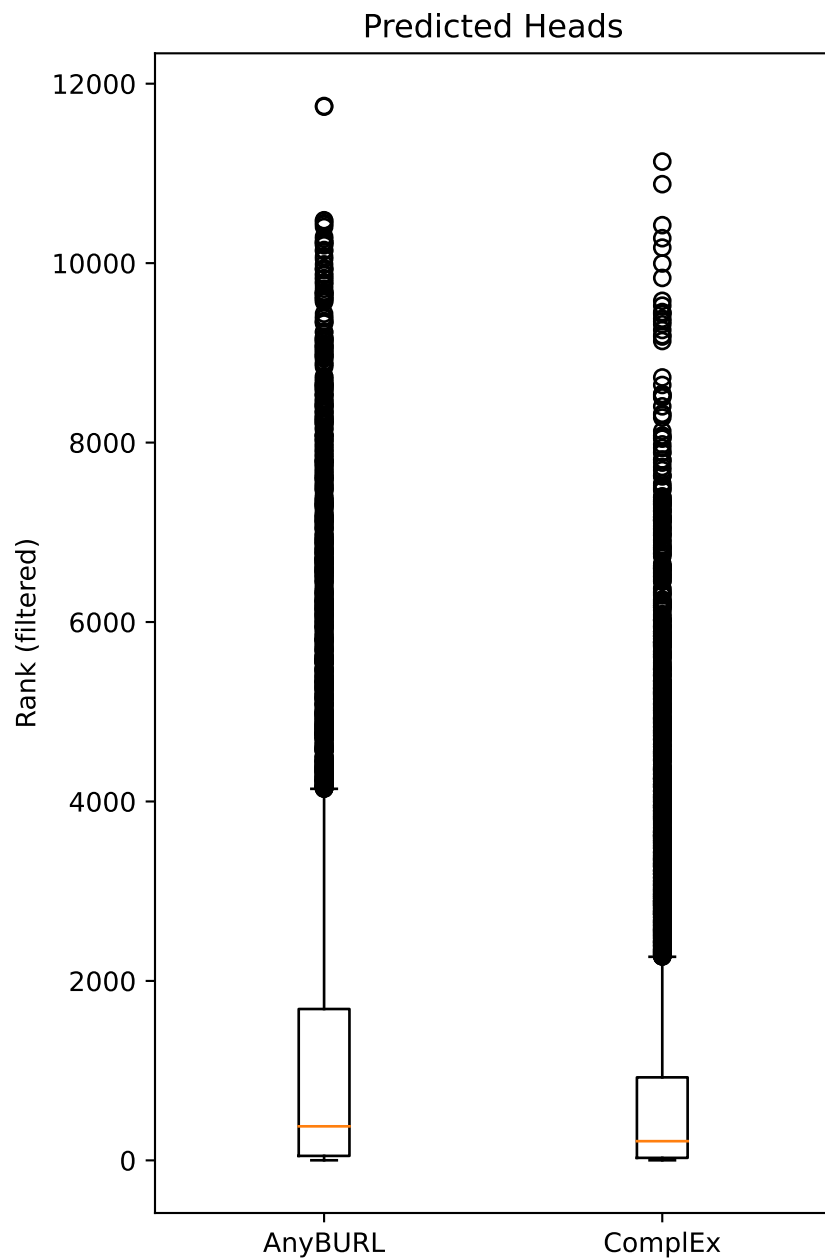
(codex-m, AnyBURL, ComplEx) Metrics

	MRR	Hits@1	Hits@10	Hits@100
AnyBURL	0.302	0.233	0.434	0.639
ComplEx Combined	0.335	0.255	0.483	0.677
ComplEx 1	0.353	0.276	0.502	0.698
ComplEx 2	0.355	0.277	0.502	0.699
ComplEx 3	0.354	0.275	0.505	0.705
ComplEx 4	0.354	0.277	0.500	0.697
ComplEx 5	0.350	0.272	0.498	0.692

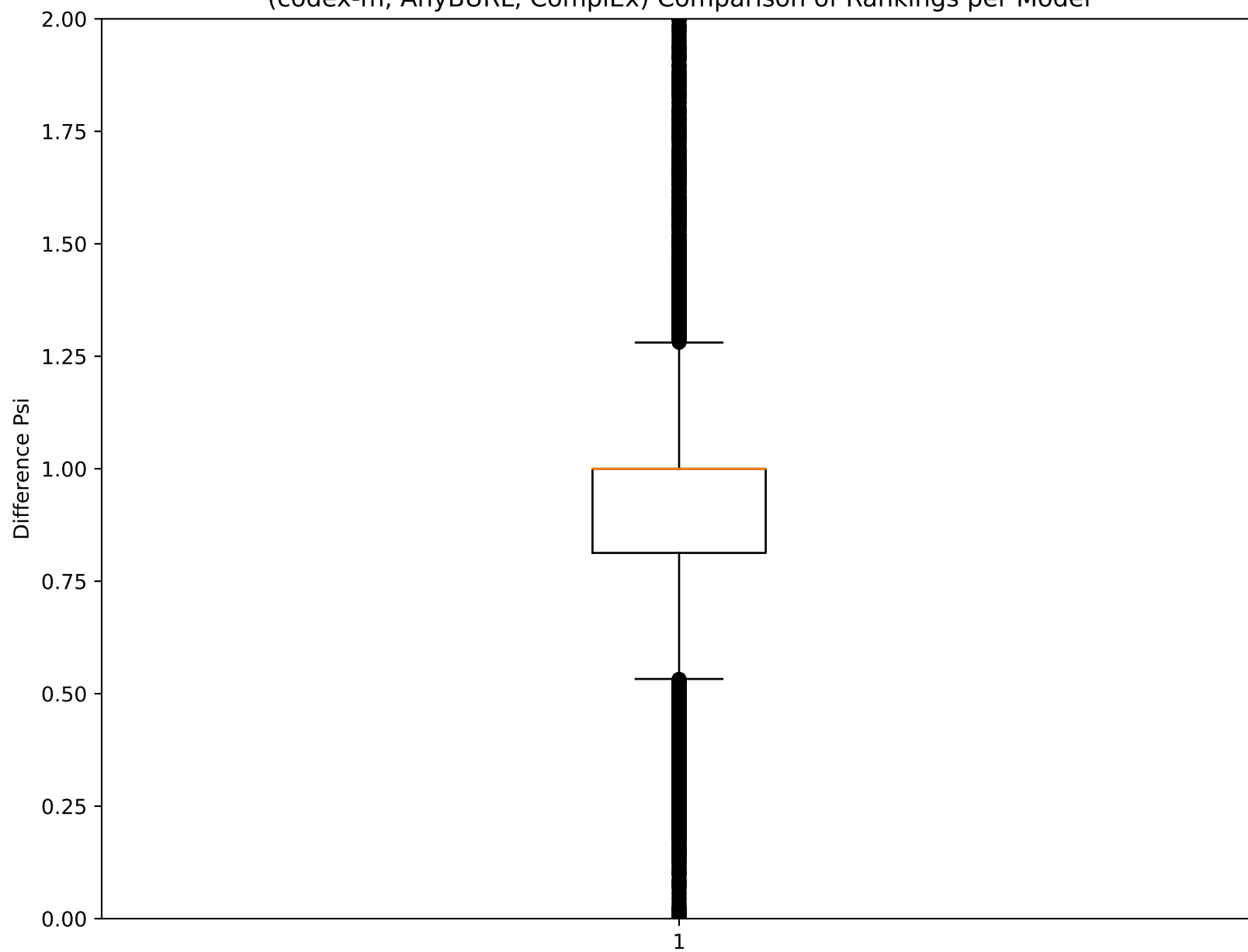
(codex-m, AnyBURL, ComplEx) Comparison of Rankings per Model



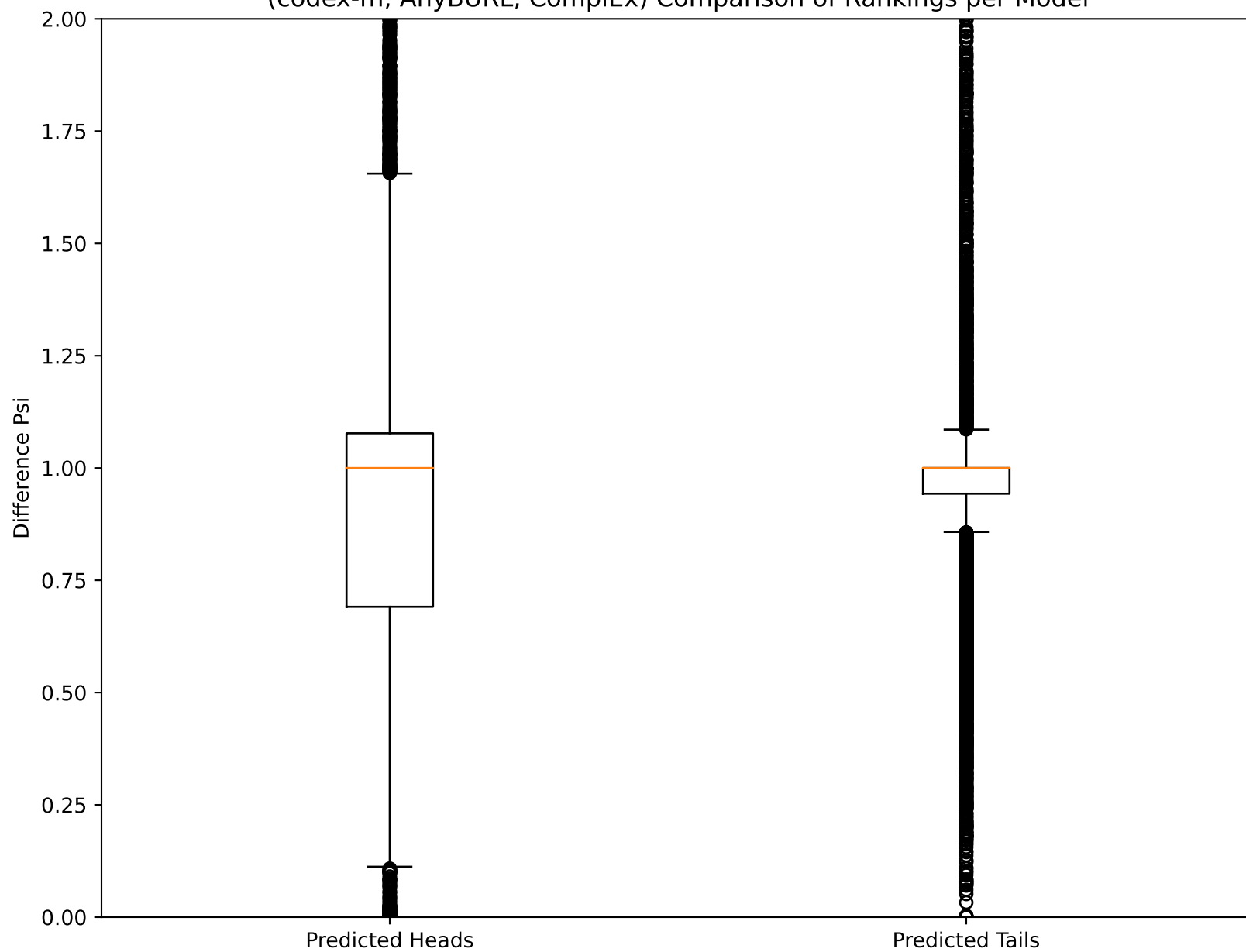
(codex-m, AnyBURL, ComplEx) Comparison of Rankings per Model and Prediction Direction



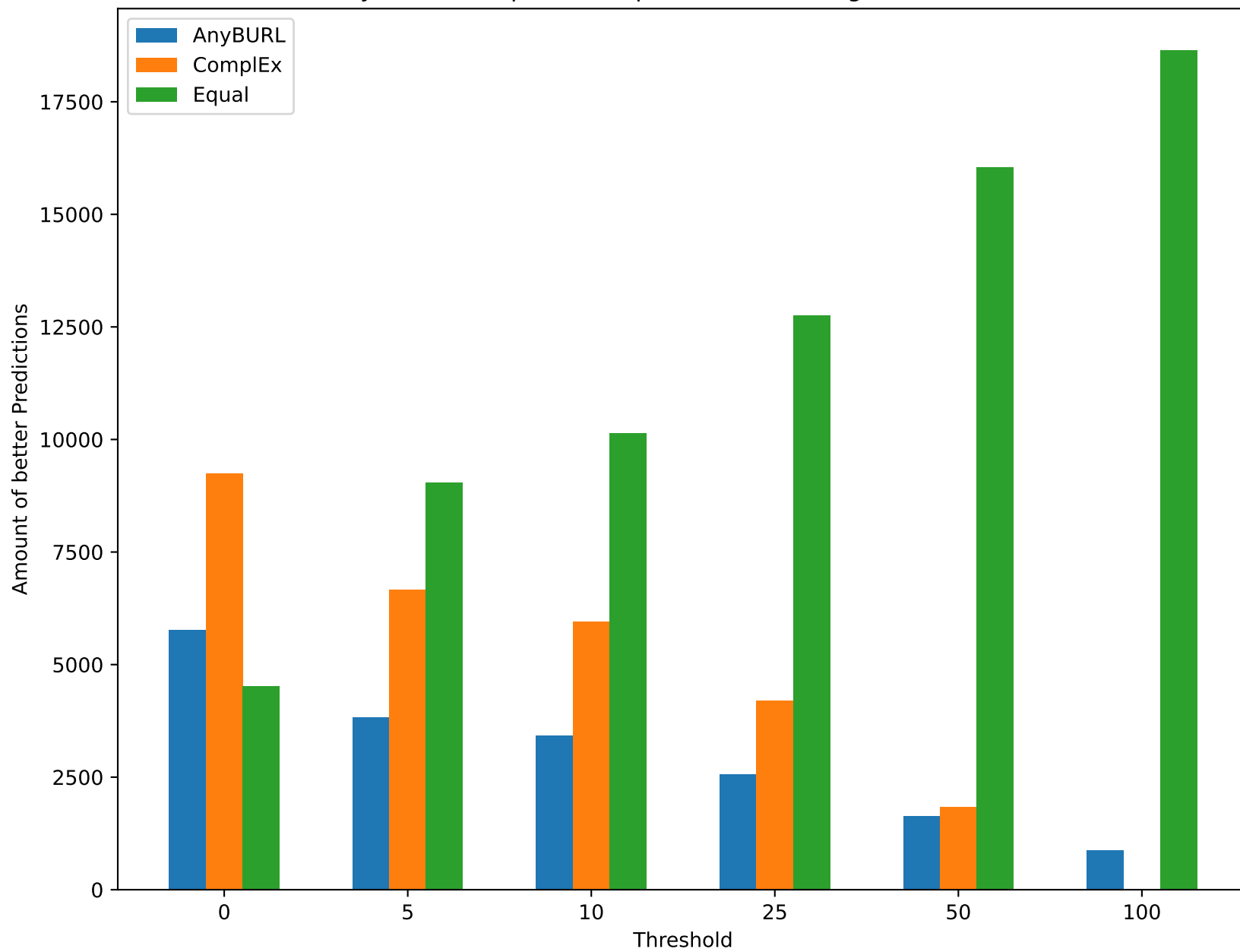
(codex-m, AnyBURL, ComplEx) Comparison of Rankings per Model



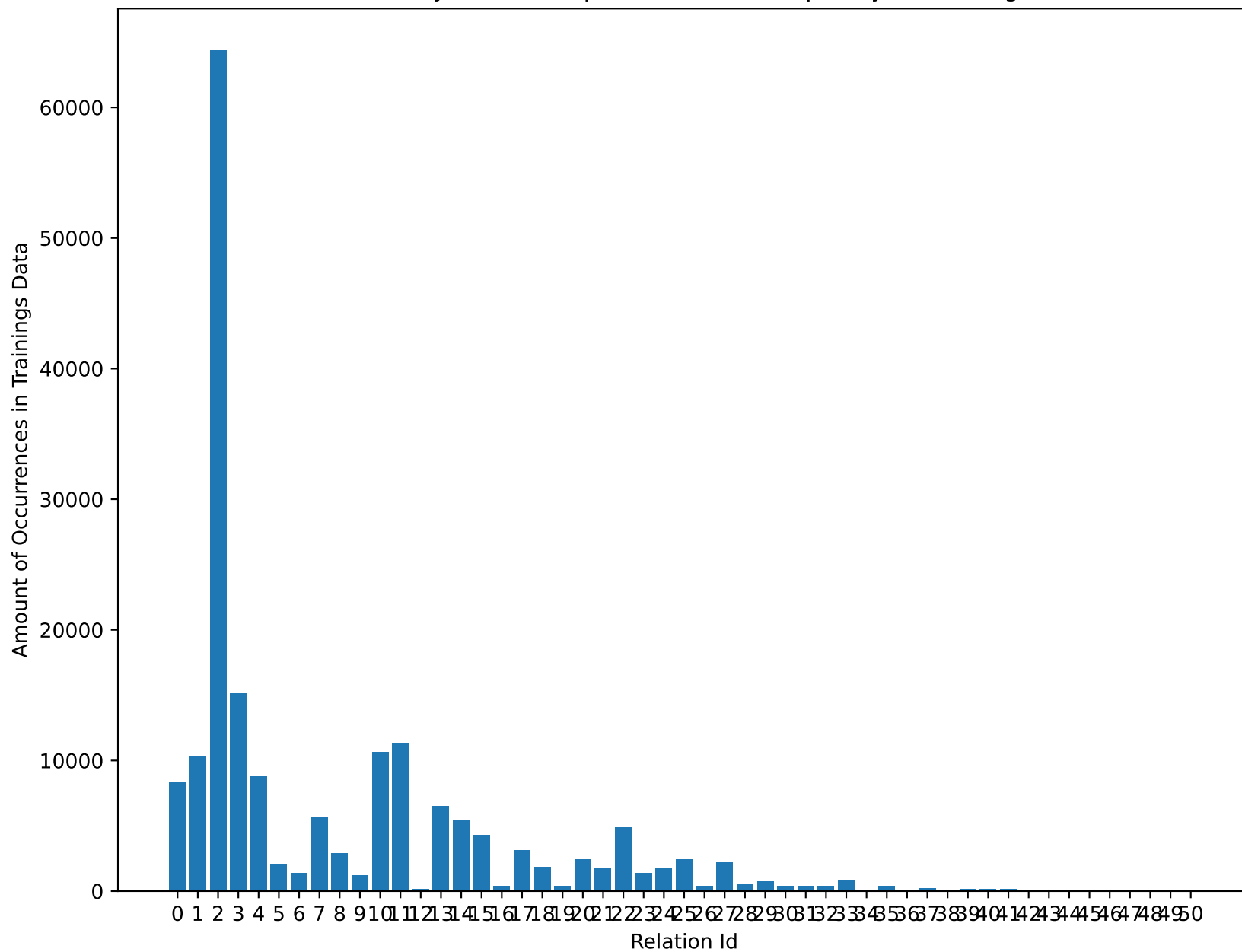
(codex-m, AnyBURL, ComplEx) Comparison of Rankings per Model



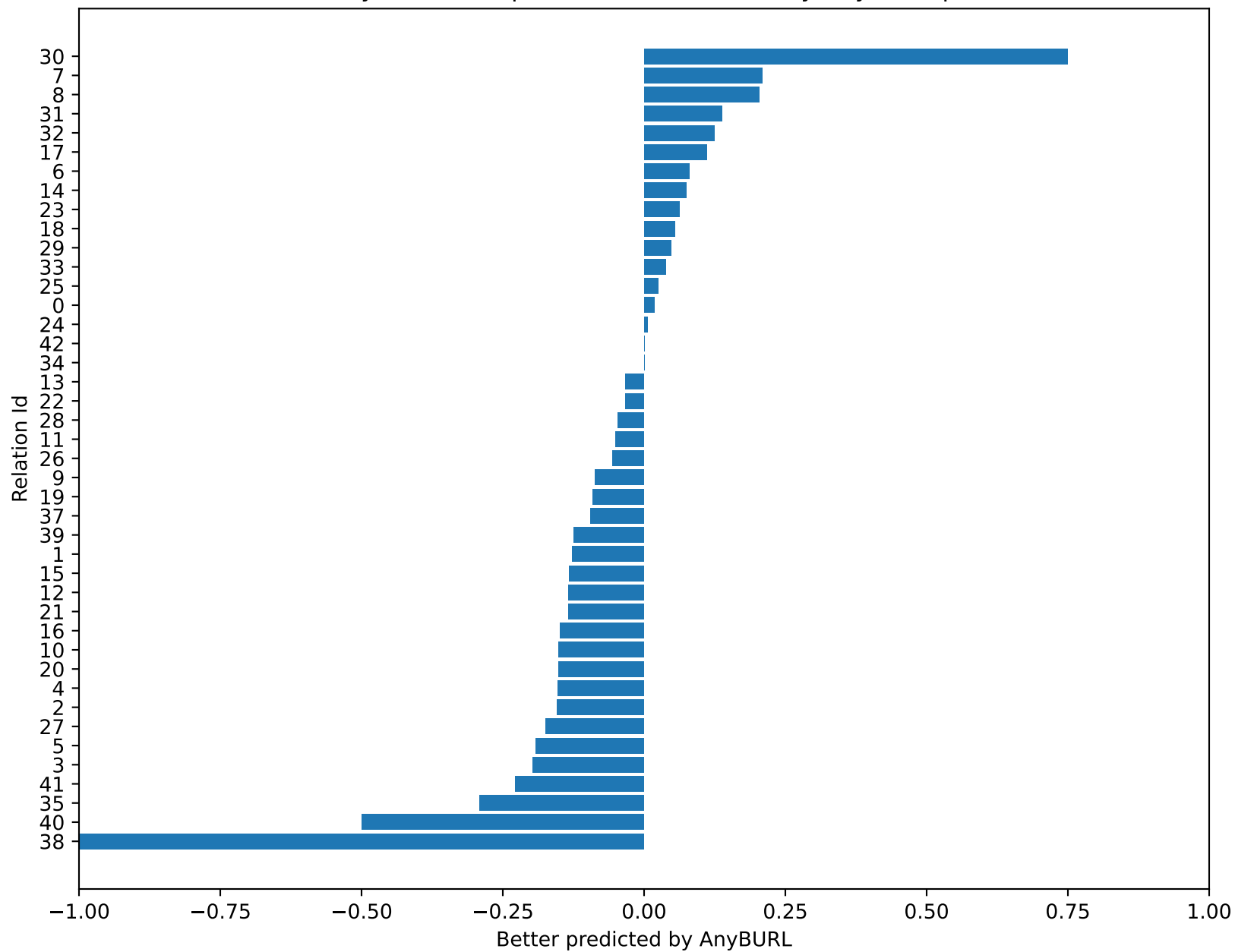
(codex-m, AnyBURL, ComplEx) Comparison of Rankings for different Thresholds



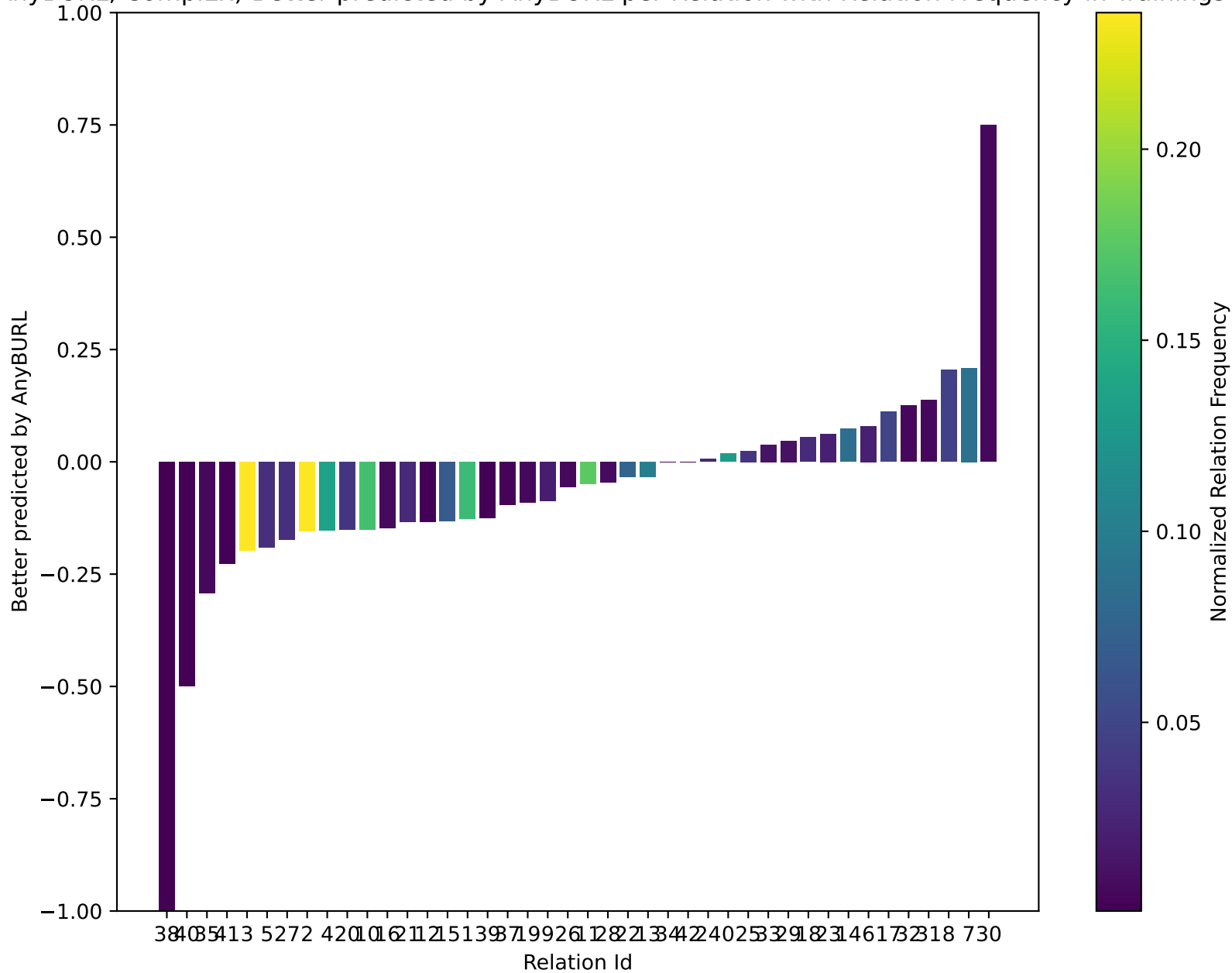
(codex-m, AnyBURL, ComplEx) Relation Frequency in Trainings Data



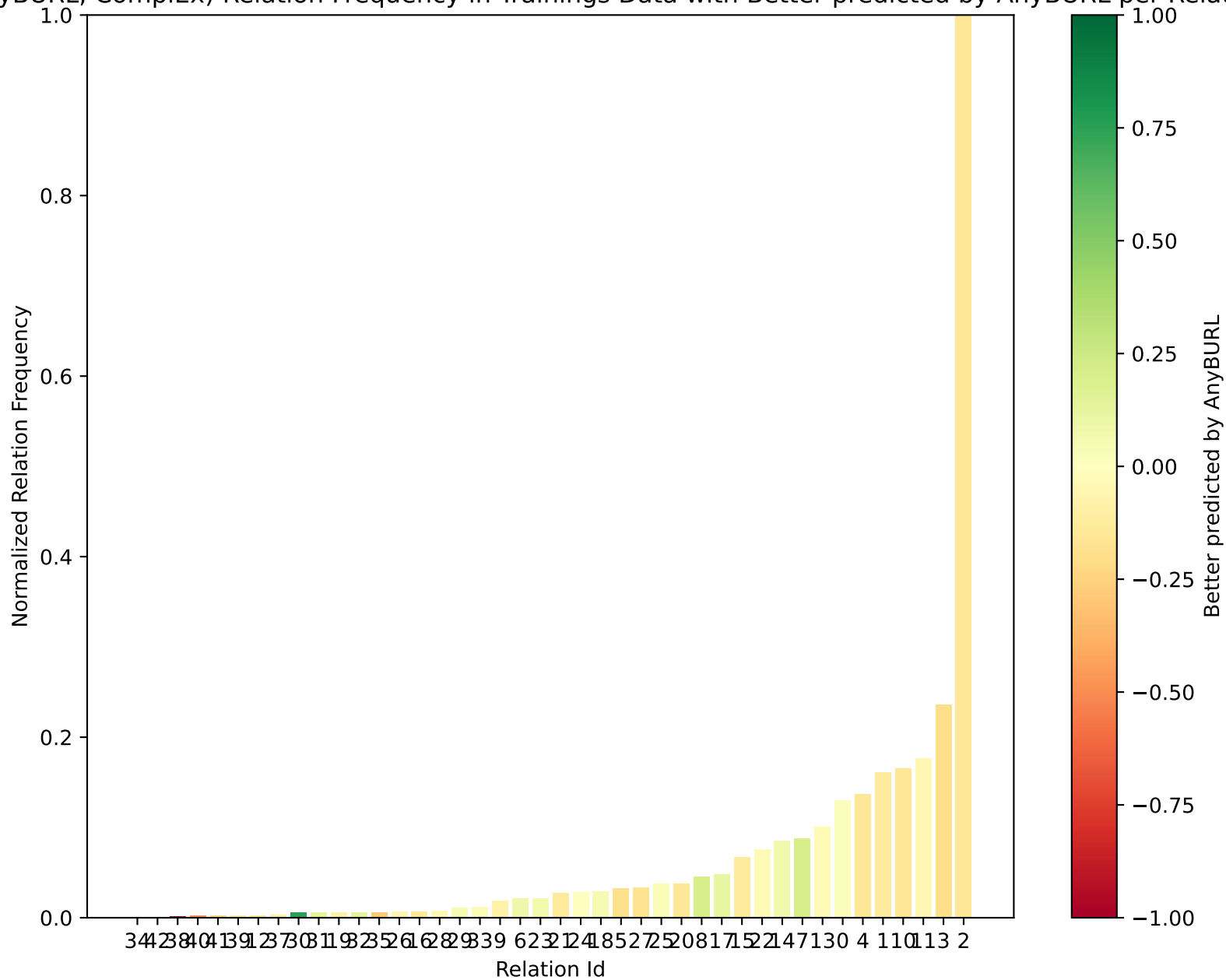
(codex-m, AnyBURL, ComplEx) Better Predicted by AnyBURL per Relation



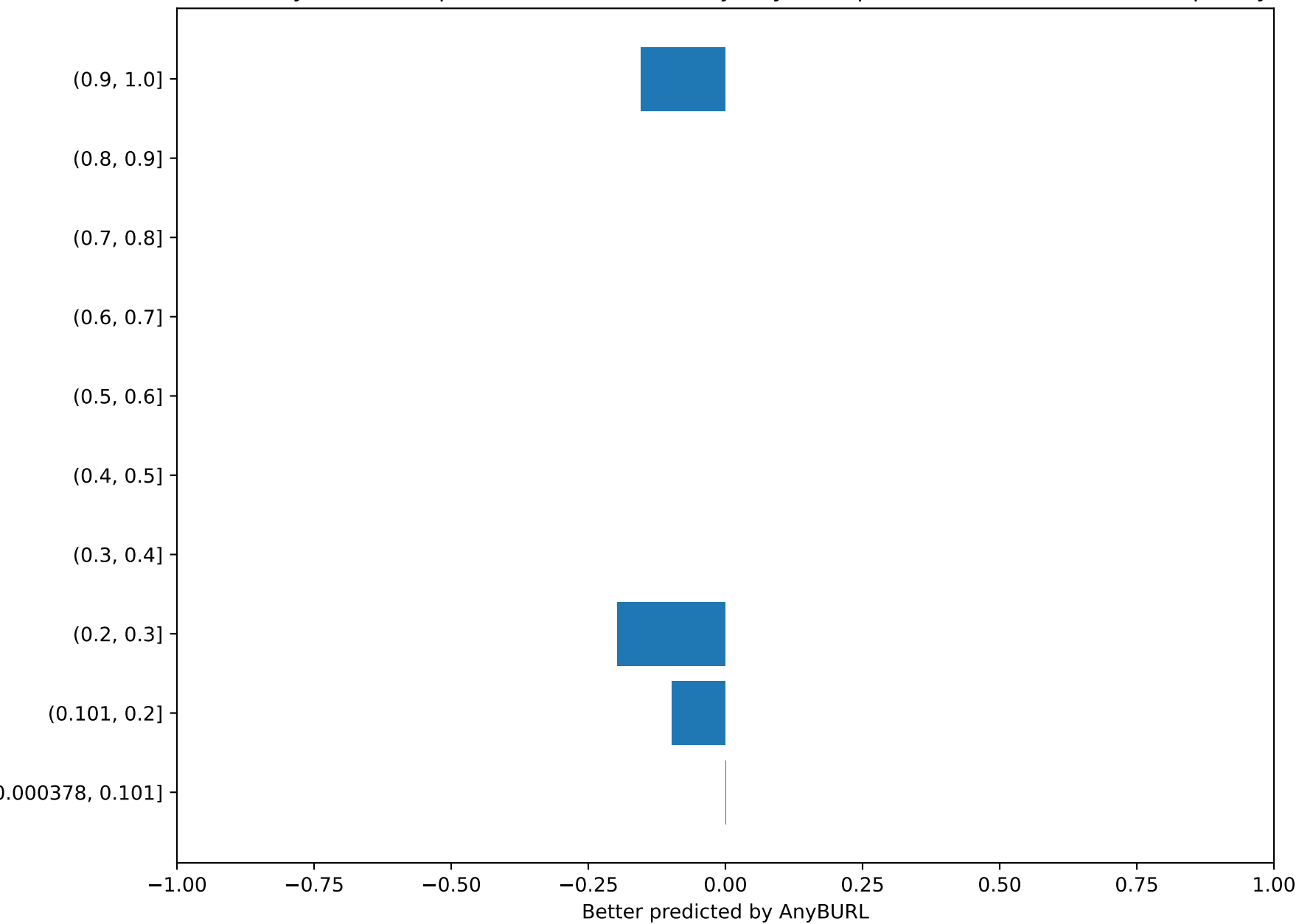
x-m, AnyBURL, Complex) Better predicted by AnyBURL per Relation with Relation Frequency in Trainings Data



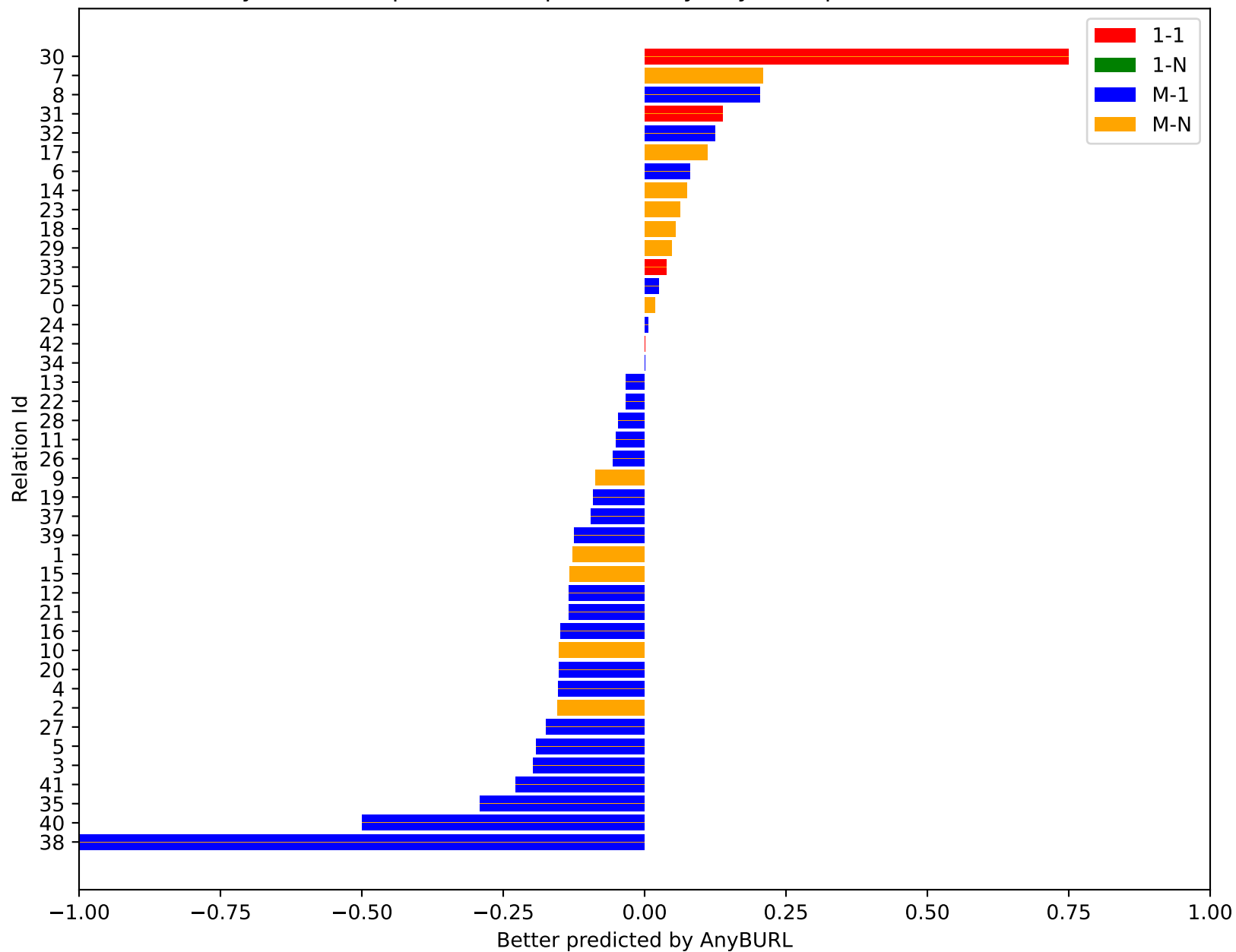
x-m, AnyBURL, ComplEx) Relation Frequency in Trainings Data with Better predicted by AnyBURL per Relation



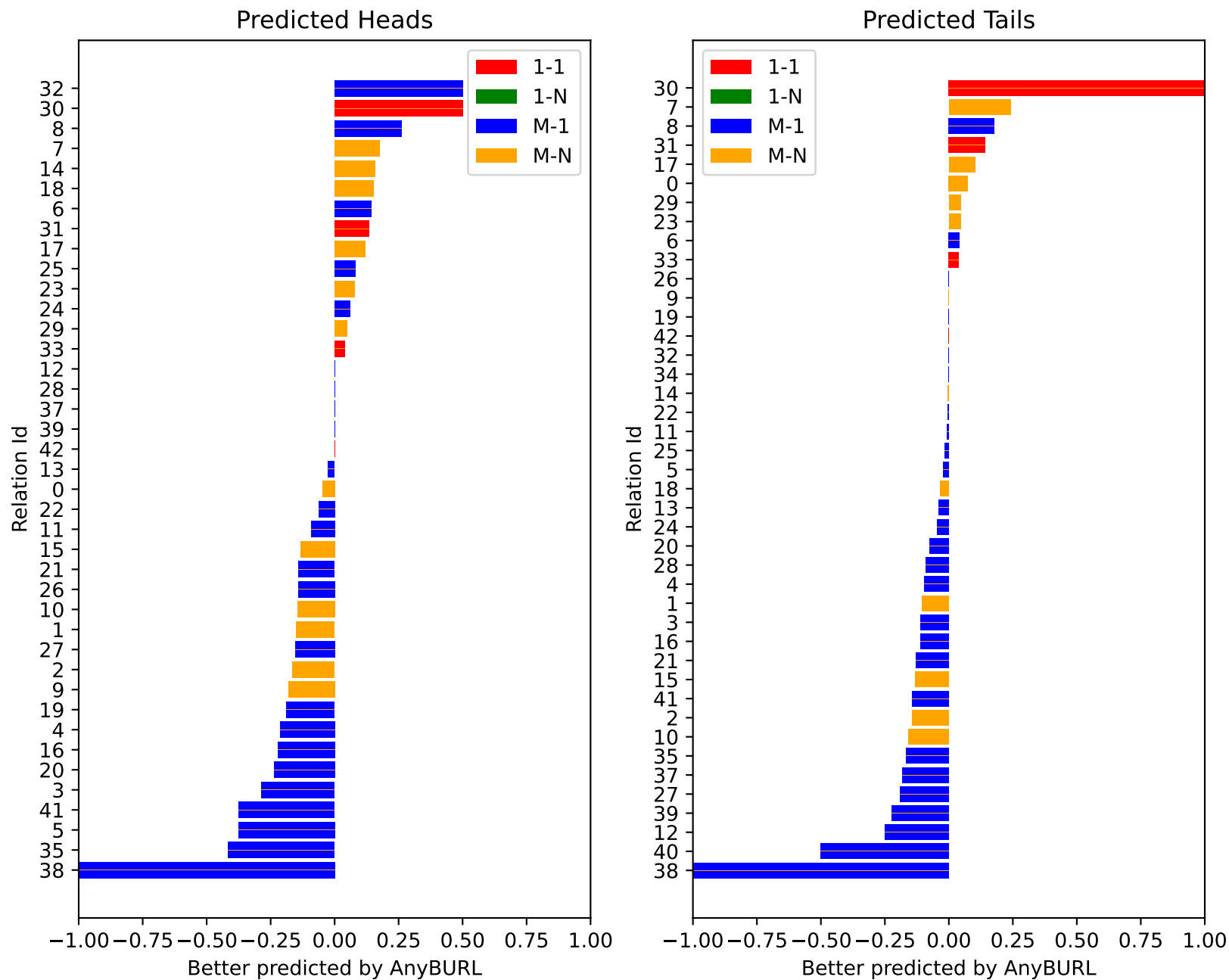
(codex-m, AnyBURL, Complex) Better Predicted by AnyBURL per Normalized Relation Frequency Bin



(codex-m, AnyBURL, ComplEx) Better predicted by AnyBURL per Relation with Relation Class



(codex-m, AnyBURL, ComplEx) Better predicted by AnyBURL per Relation with Relation Class

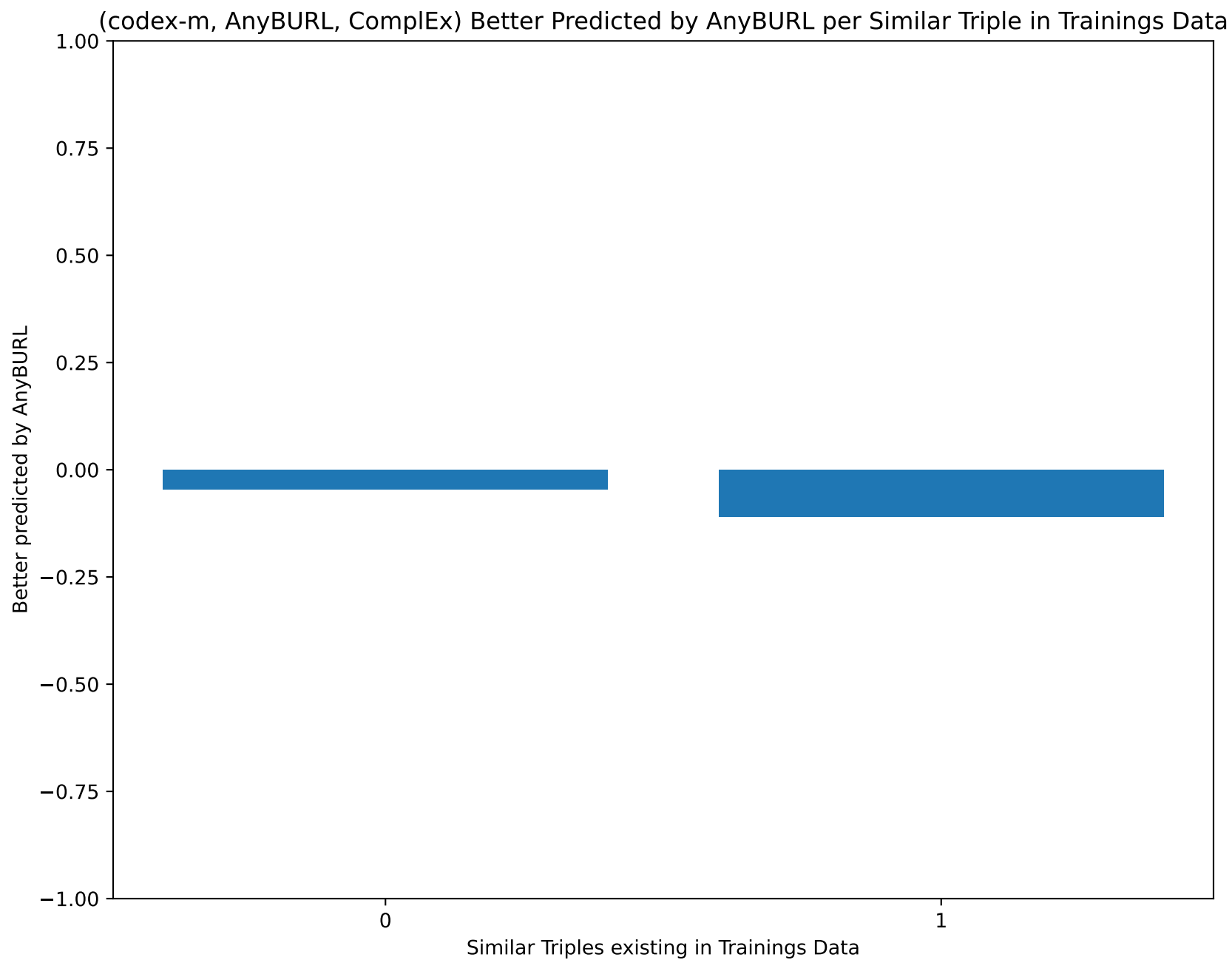


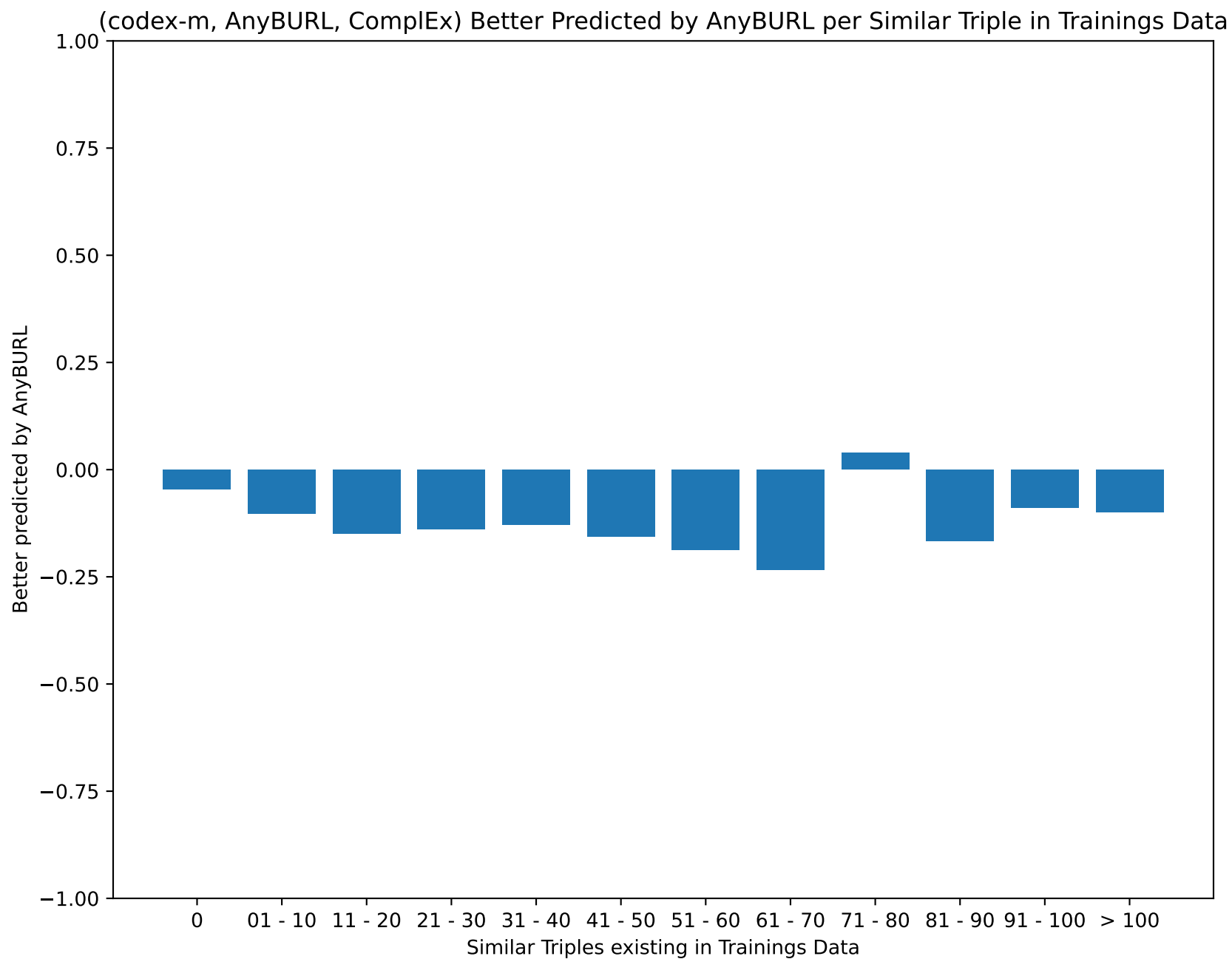
(codex-m, AnyBURL, ComplEx) Better predicted per Relation Class in %

	AnyBURL	ComplEx	Equal
1-1	10.490%	0.699%	88.811%
1-N	0.000%	0.000%	0.000%
M-1	11.444%	21.659%	66.897%
M-N	16.010%	25.815%	58.175%

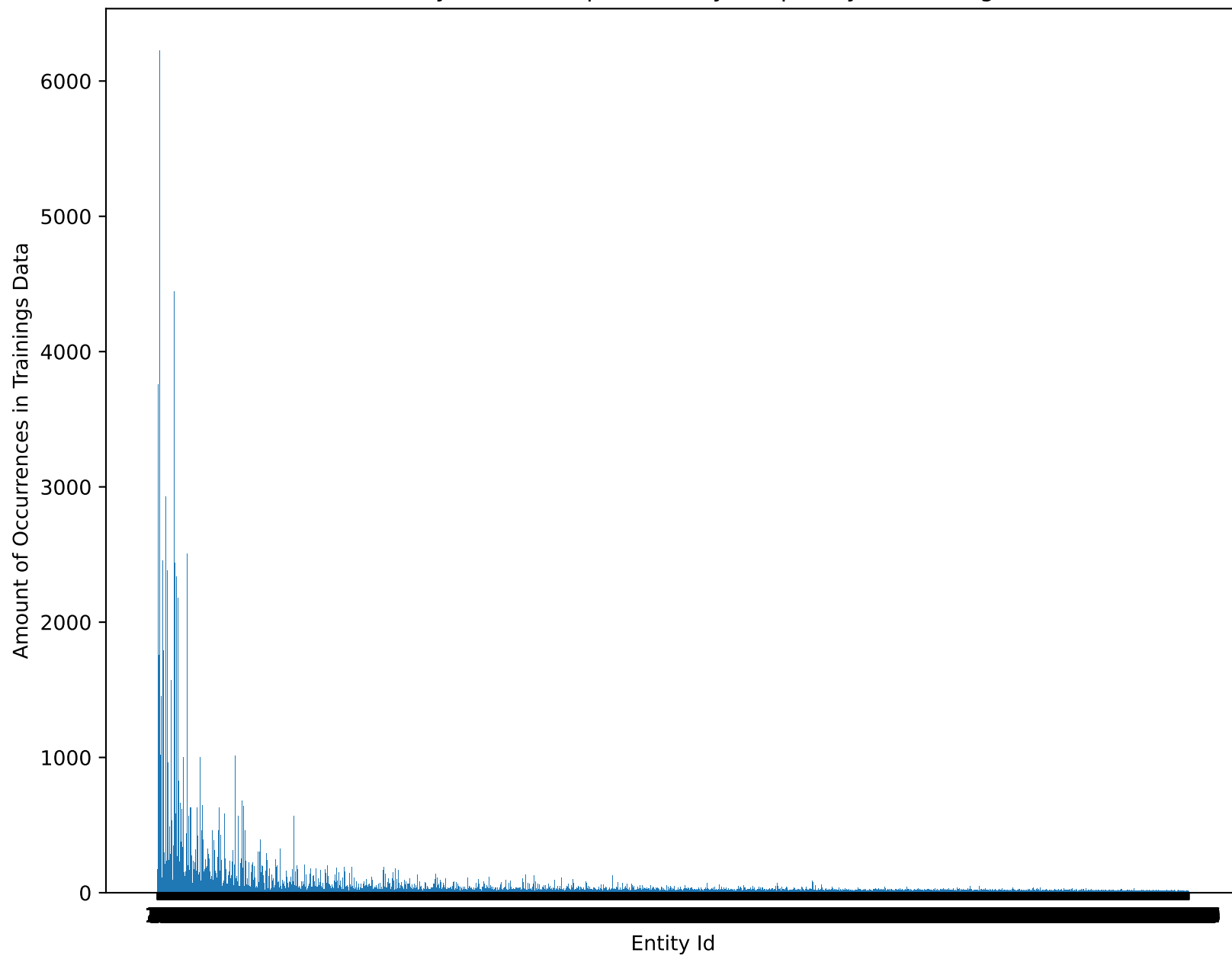
(codex-m, AnyBURL, ComplEx) Better predicted per Relation Class in % (cleaned)

	AnyBURL	ComplEx	Equal
1-1	10.490%	0.699%	88.811%
1-N	16.010%	31.144%	52.846%
M-1	7.236%	12.914%	79.850%
M-N	16.010%	25.815%	58.175%

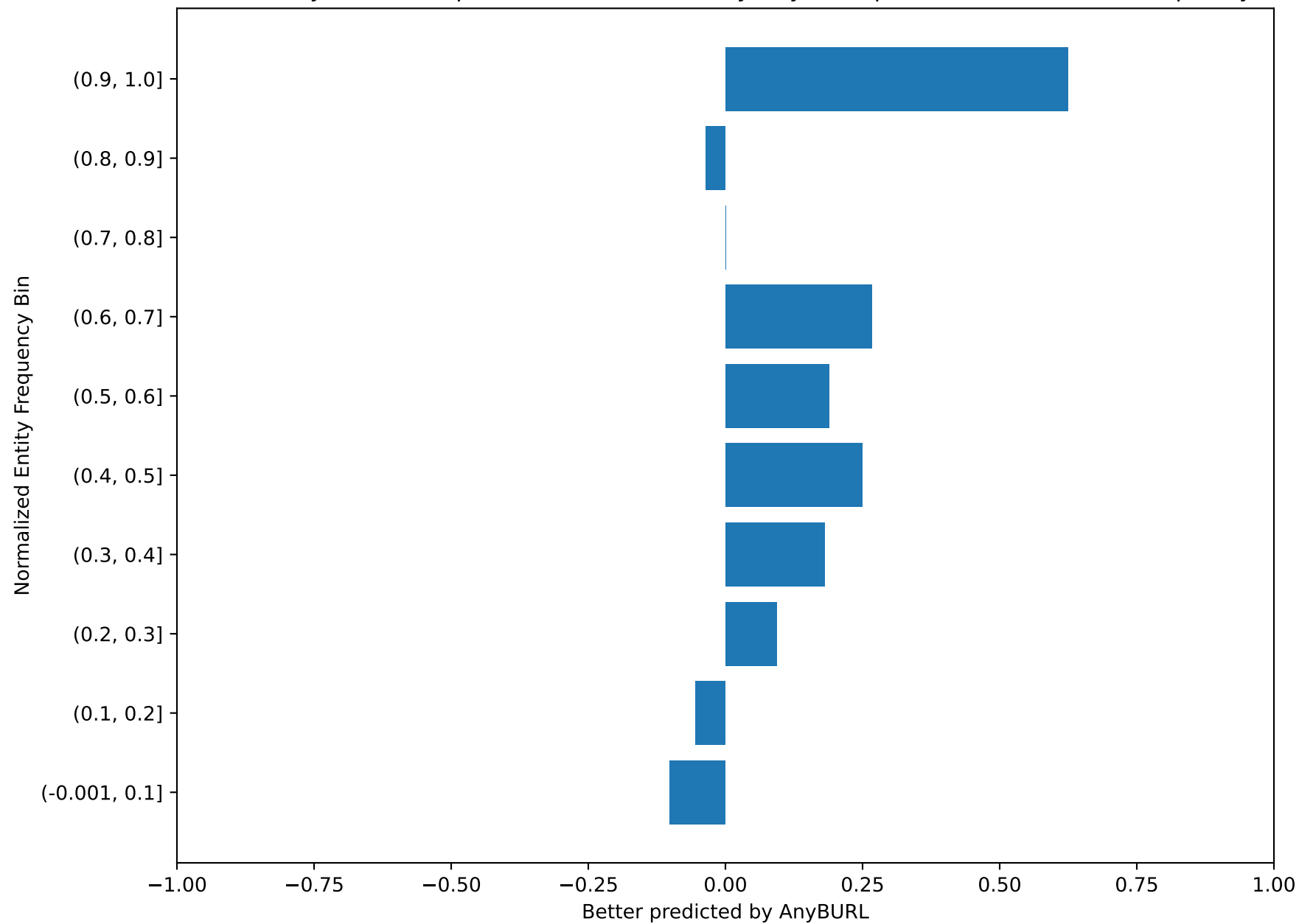




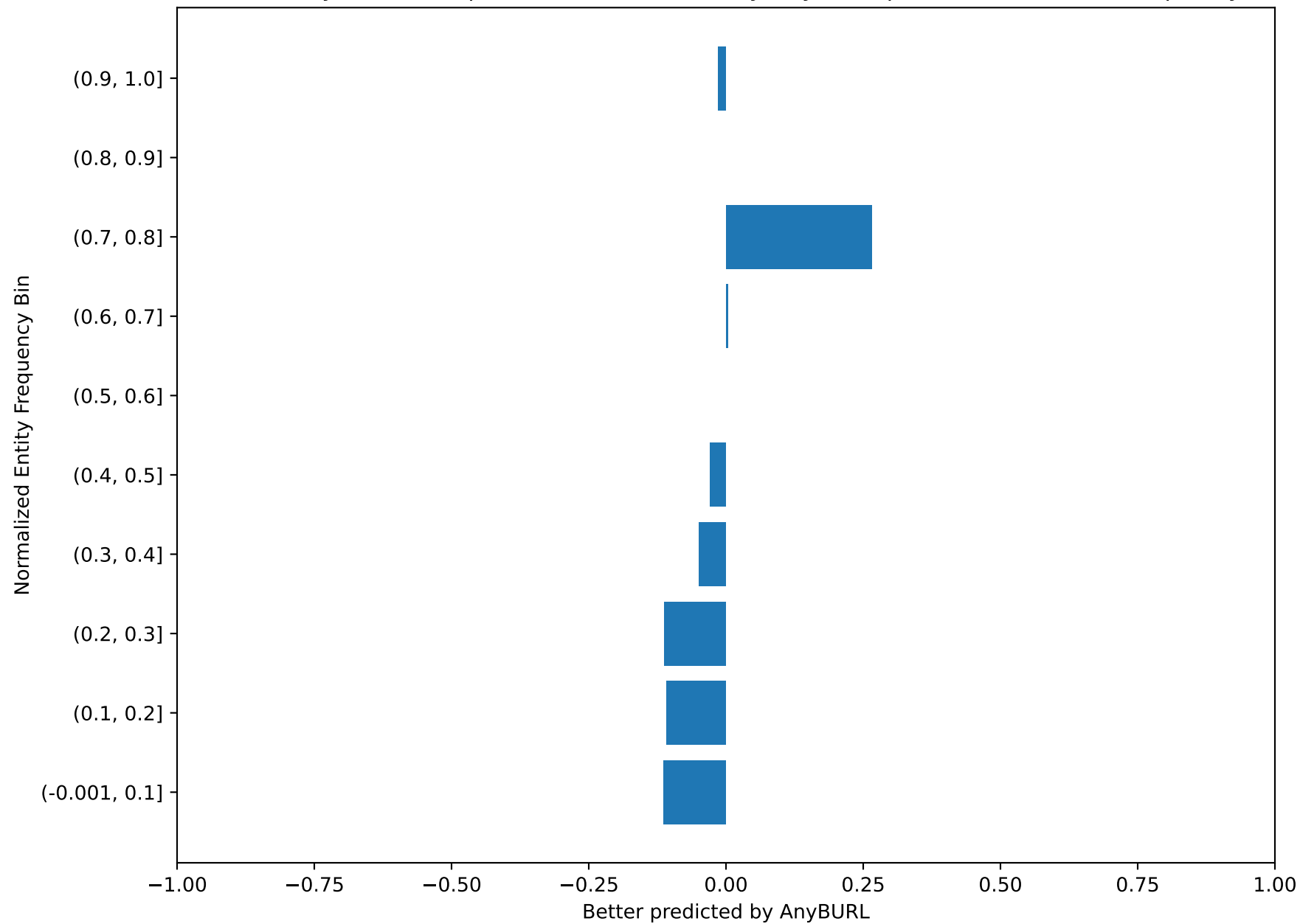
(codex-m, AnyBURL, ComplEx) Entity Frequency in Trainings Data



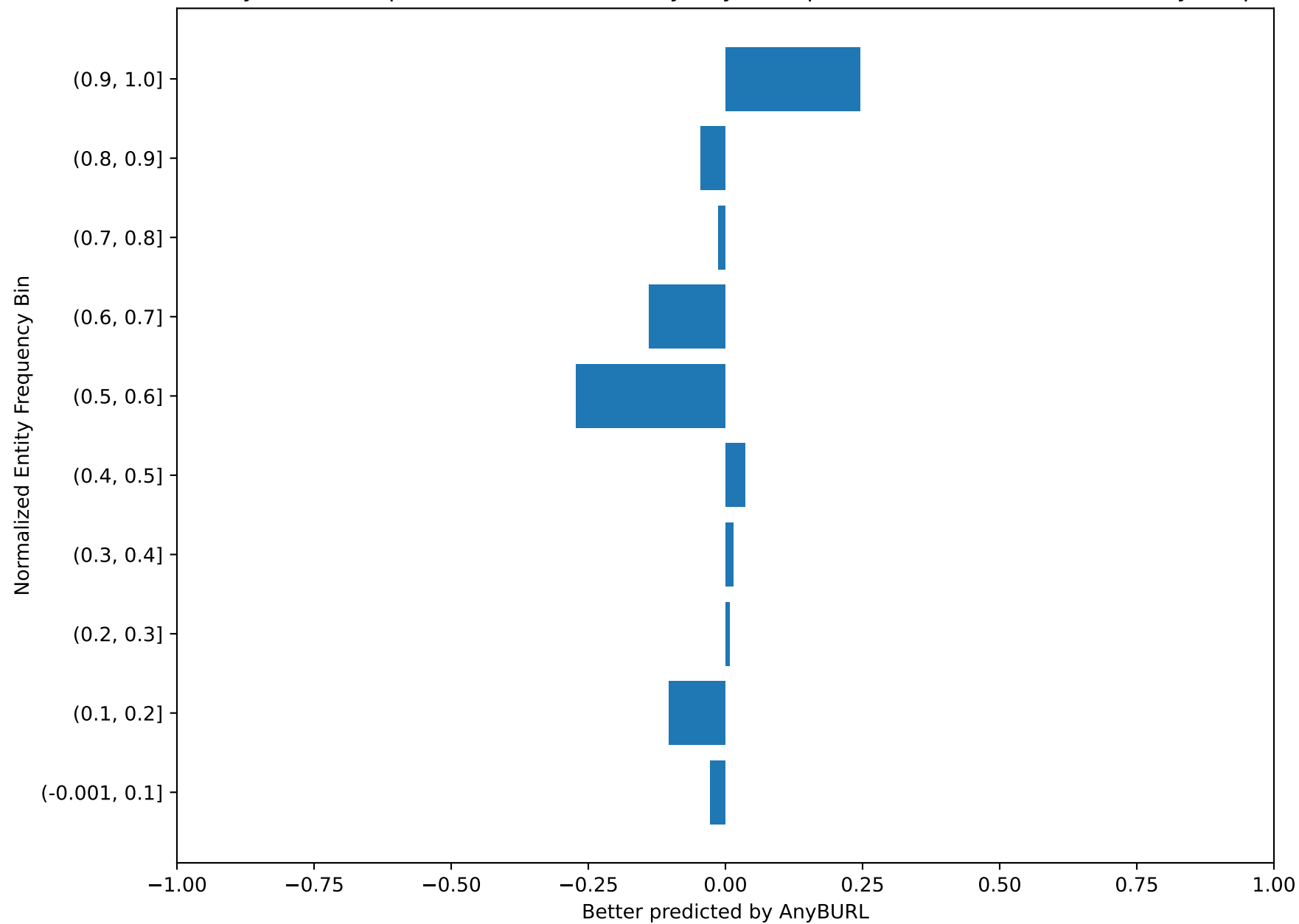
(codex-m, AnyBURL, ComplEx) Better Predicted by AnyBURL per Normalized Head Frequency Bin



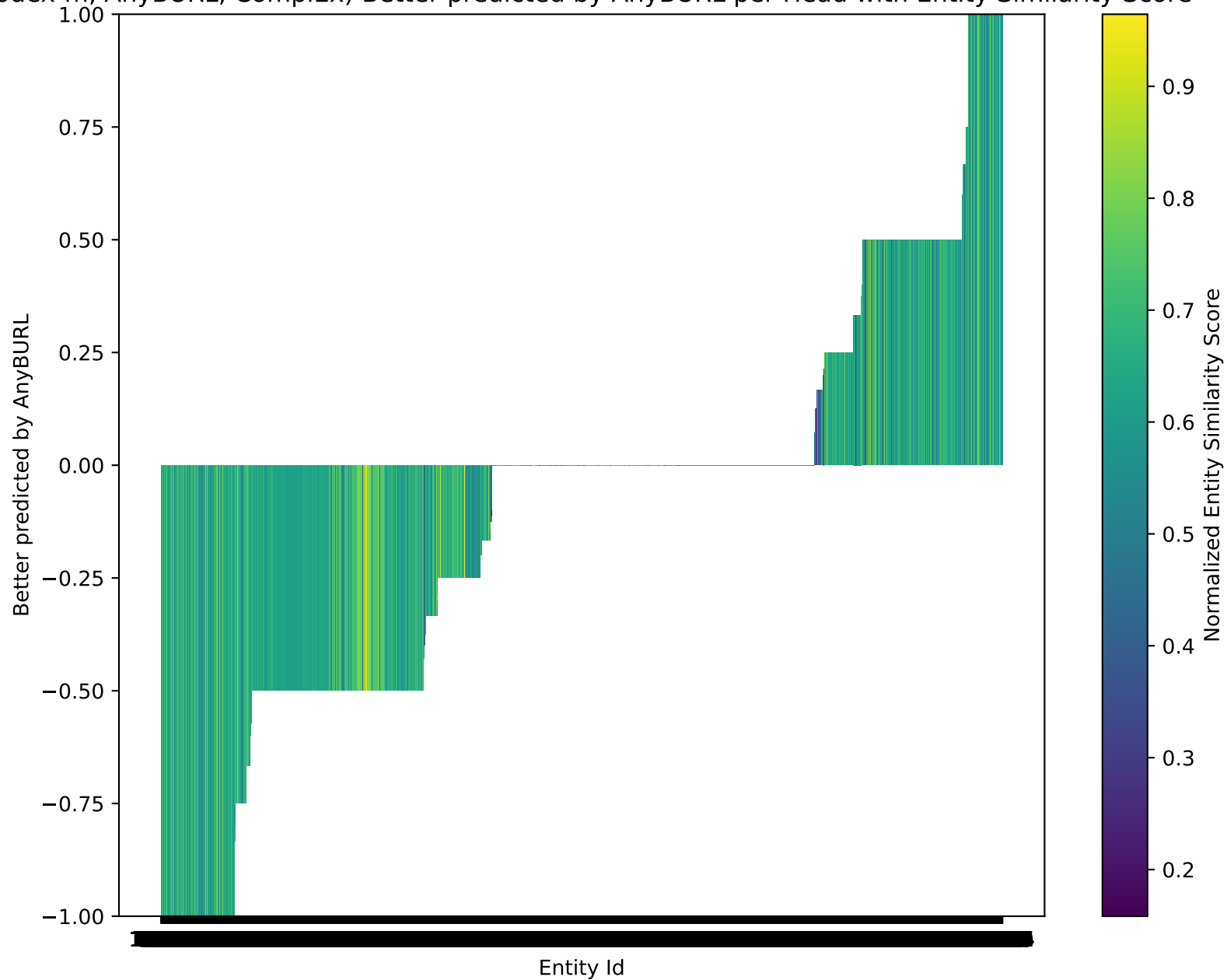
(codex-m, AnyBURL, ComplEx) Better Predicted by AnyBURL per Normalized Tail Frequency Bin



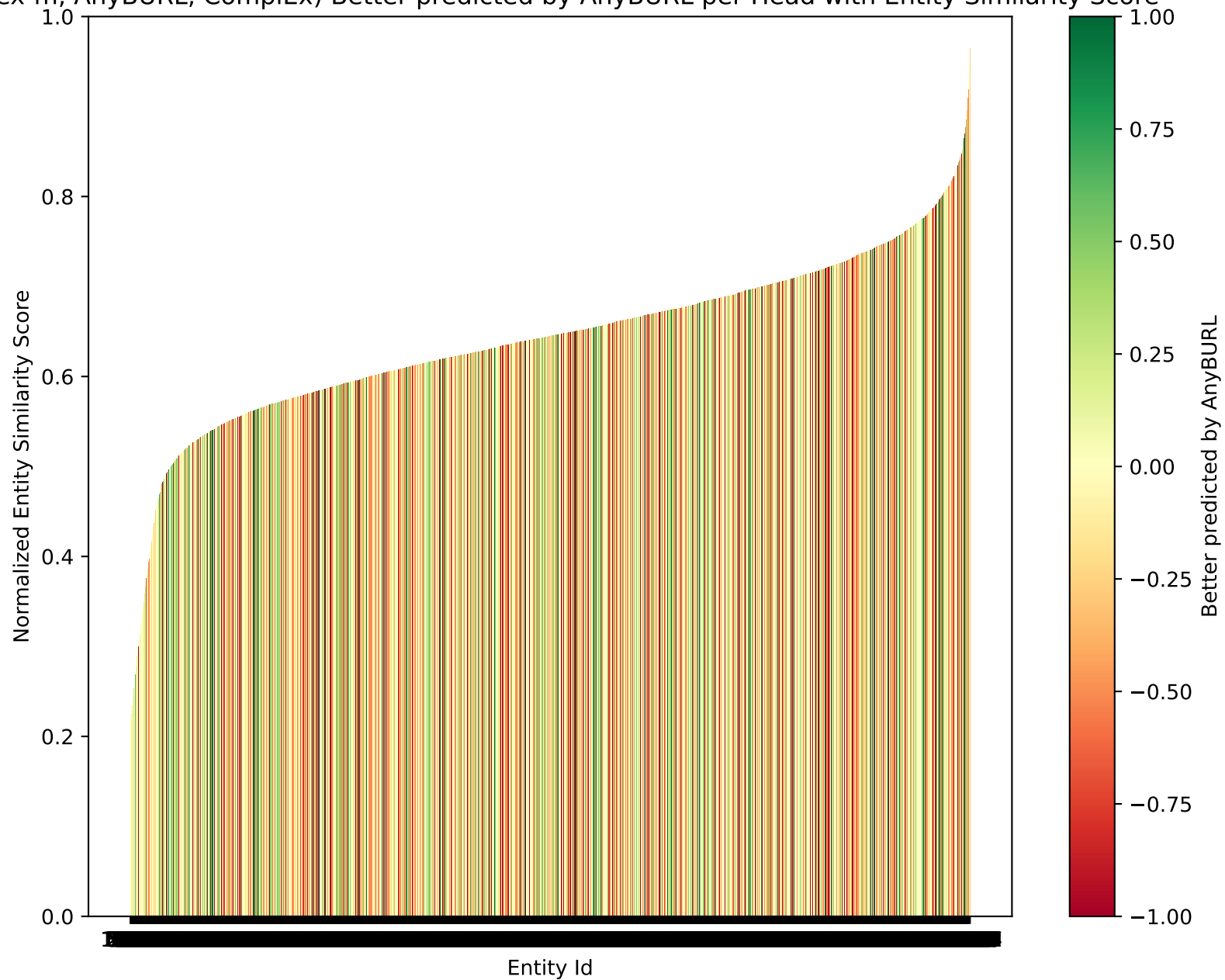
(codex-m, AnyBURL, ComplEx) Better Predicted by AnyBURL per Combined Normalized Entity Frequency Bin



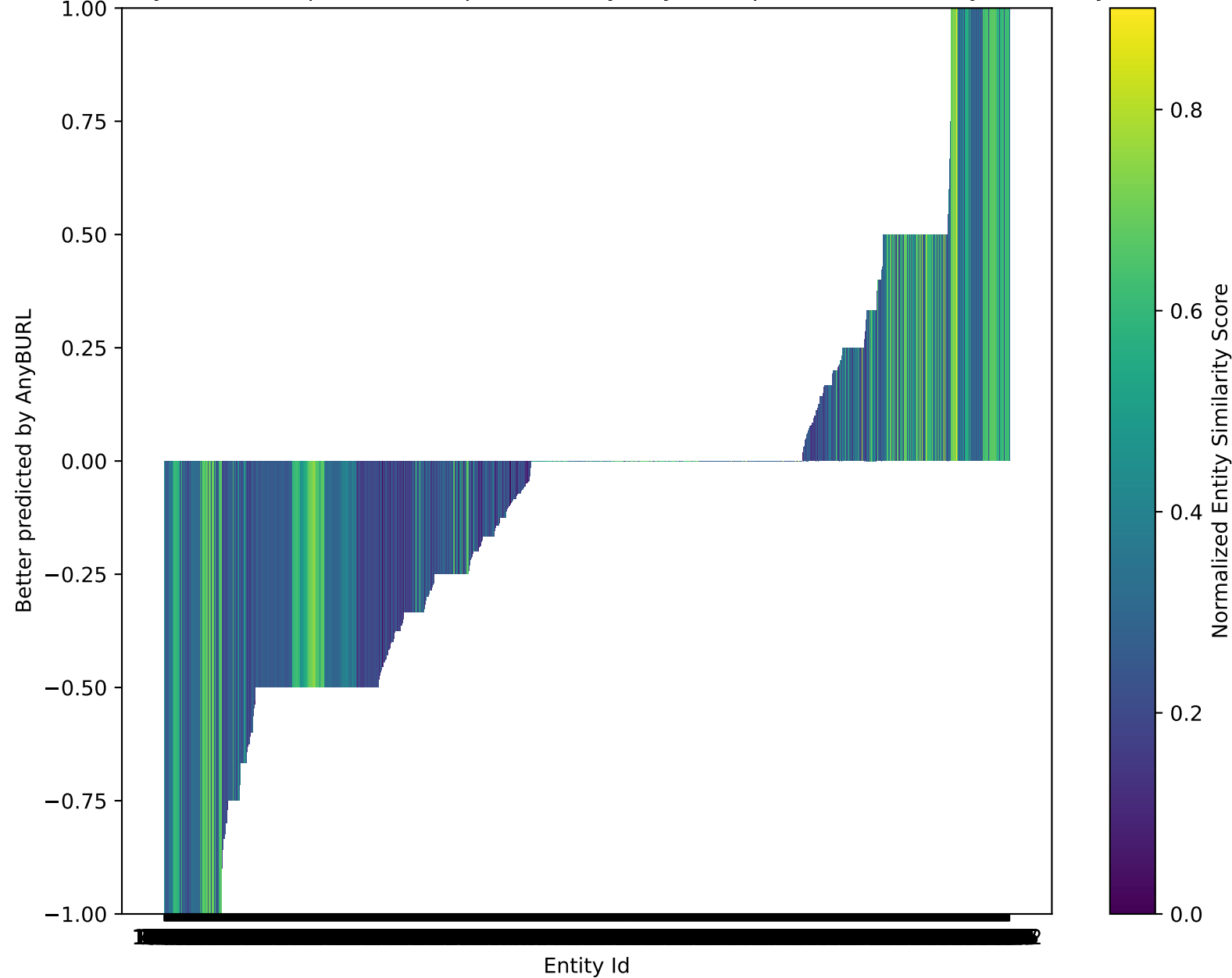
(codex-m, AnyBURL, ComplEx) Better predicted by AnyBURL per Head with Entity Similarity Score



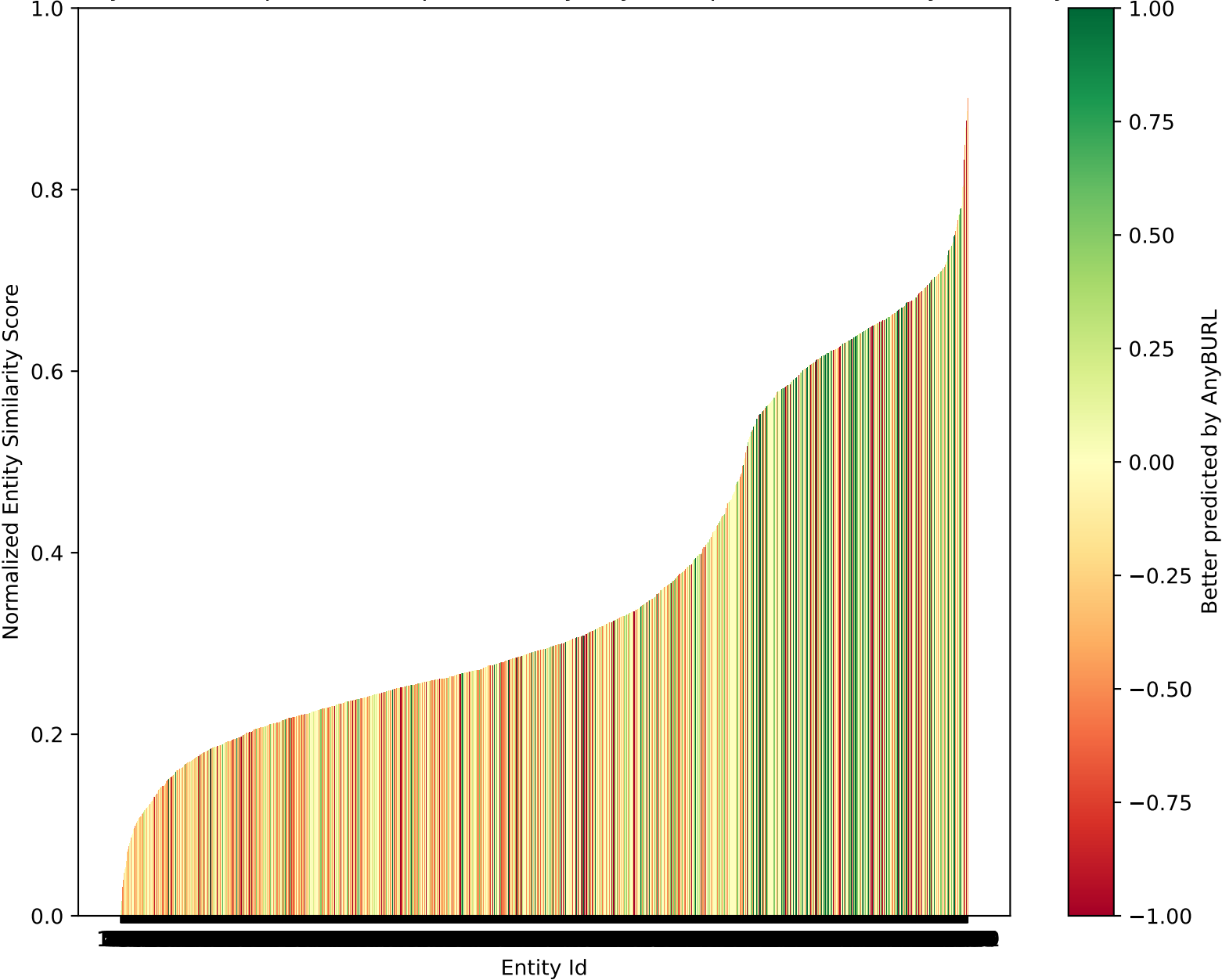
(codex-m, AnyBURL, ComplEx) Better predicted by AnyBURL per Head with Entity Similarity Score



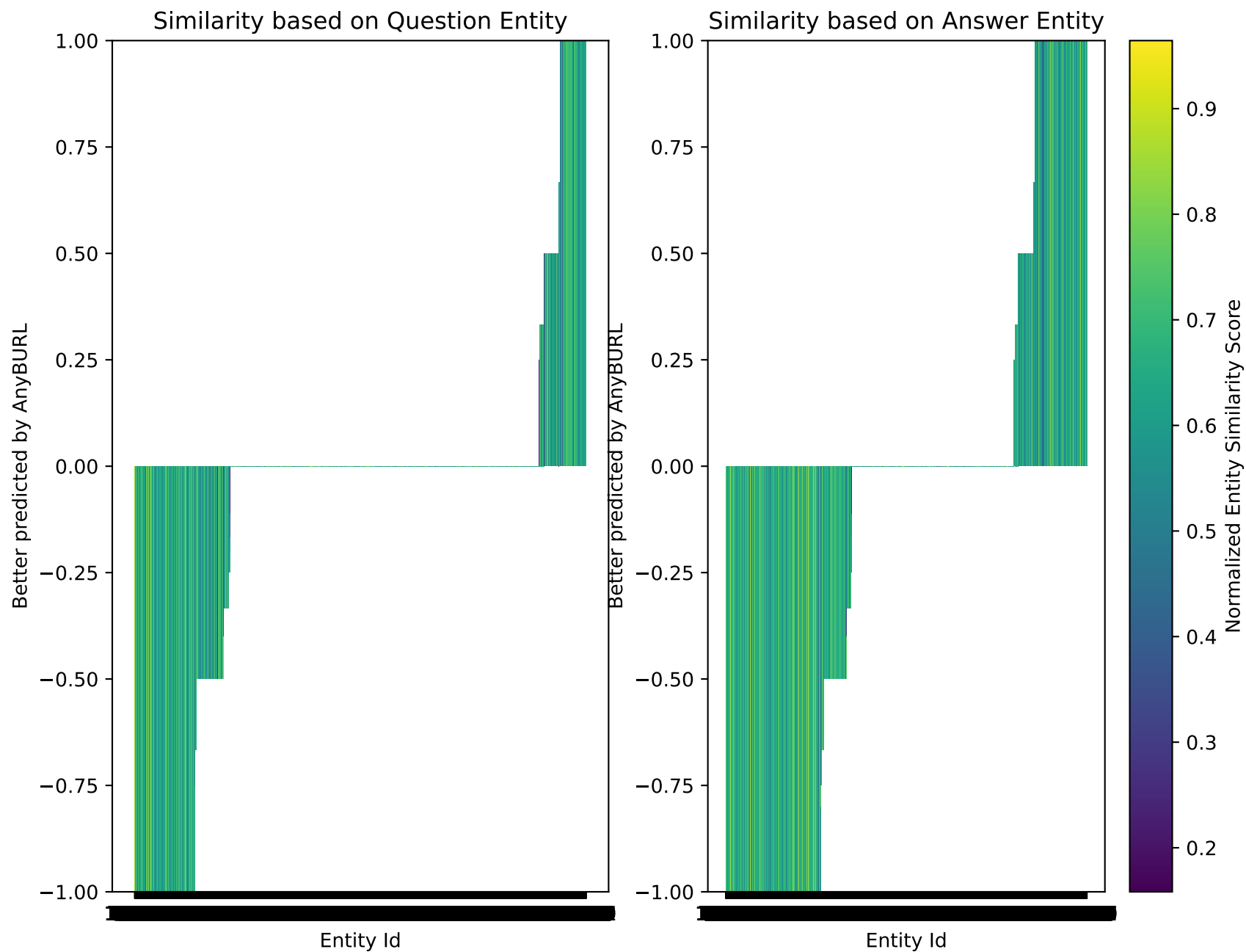
(codex-m, AnyBURL, ComplEx) Better predicted by AnyBURL per Tail with Entity Similarity Score



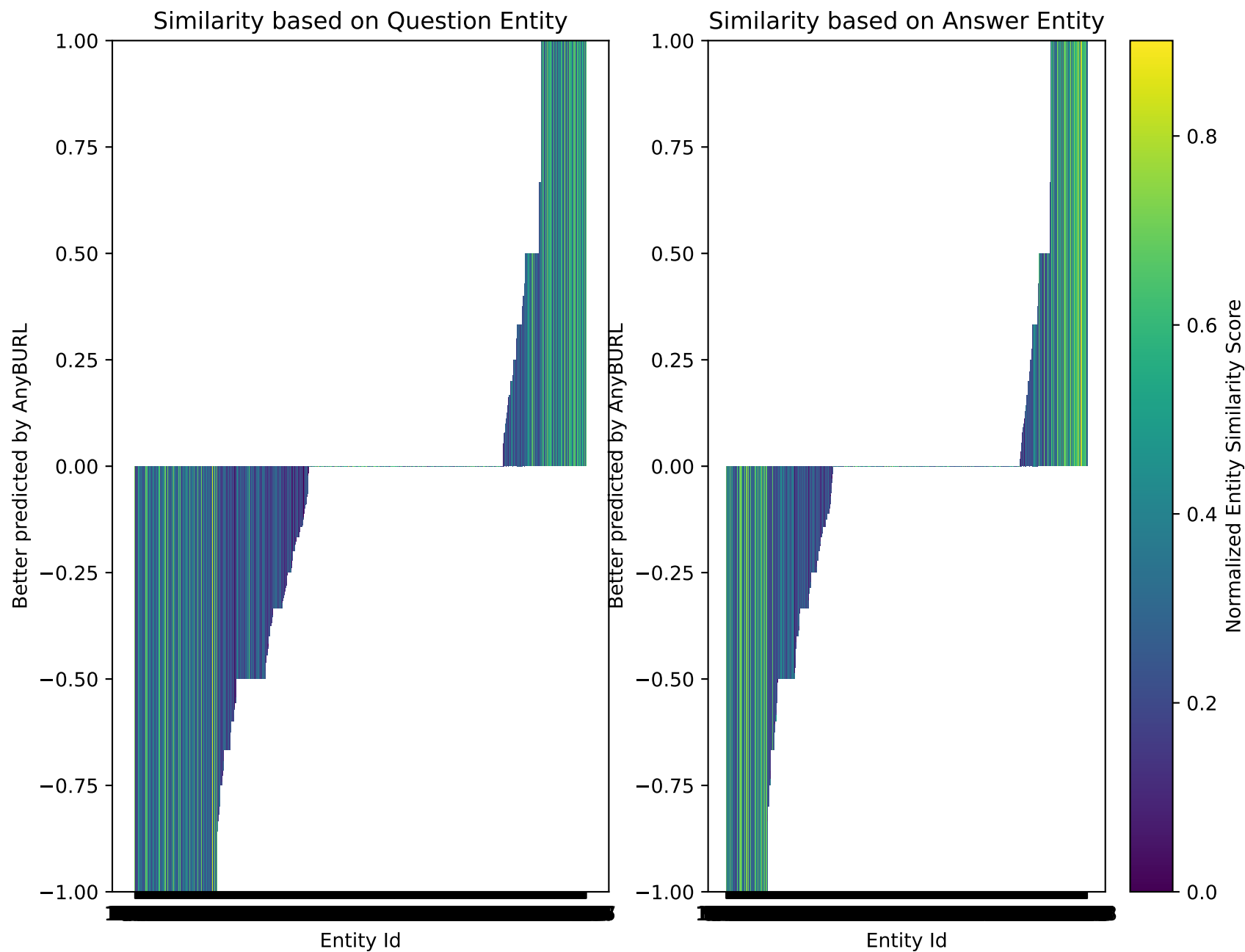
(codex-m, AnyBURL, ComplEx) Better predicted by AnyBURL per Tail with Entity Similarity Score



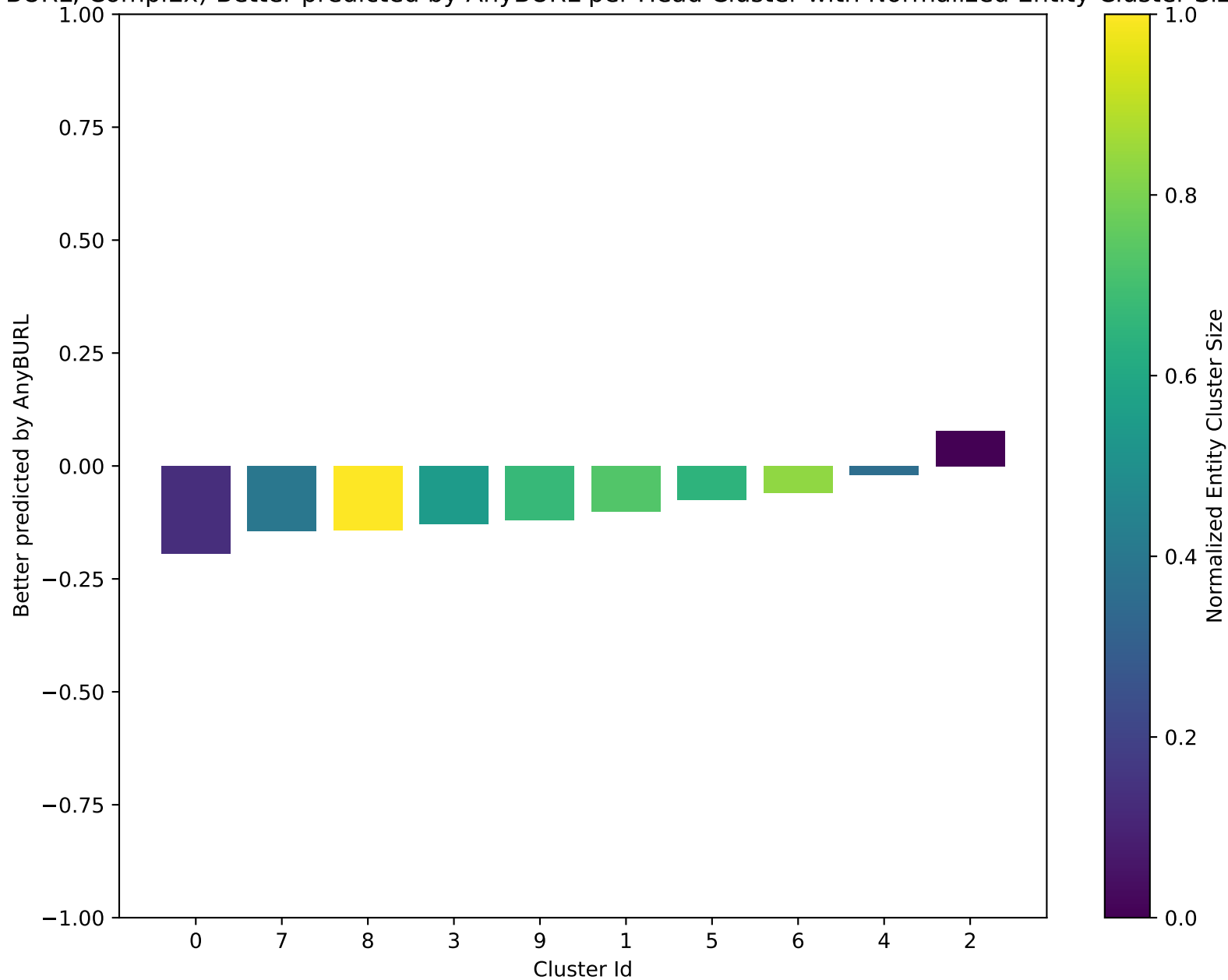
(codex-m, AnyBURL, ComplEx) Better predicted by AnyBURL per Head with Entity Similarity Score



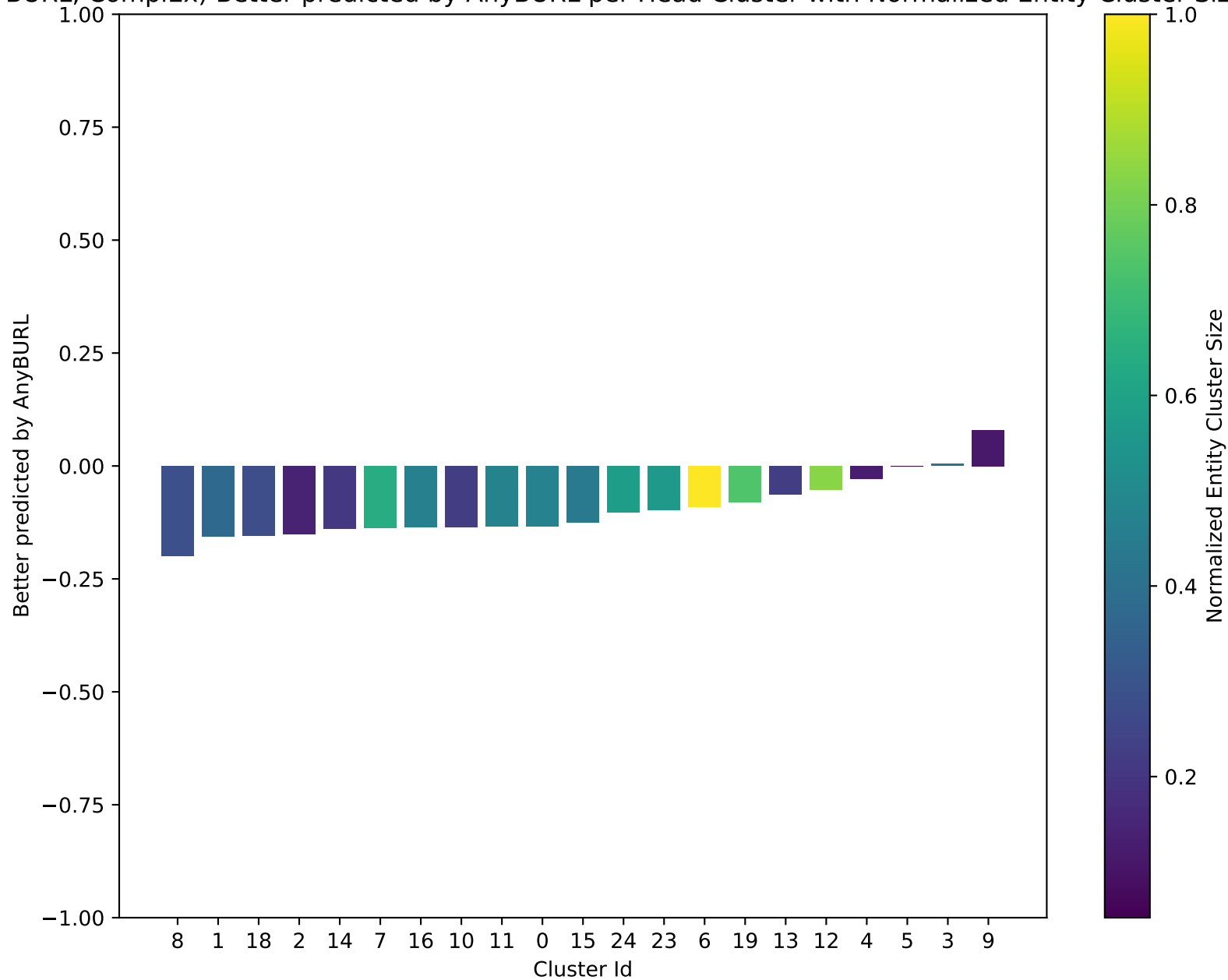
(codex-m, AnyBURL, ComplEx) Better predicted by AnyBURL per Tail with Entity Similarity Score



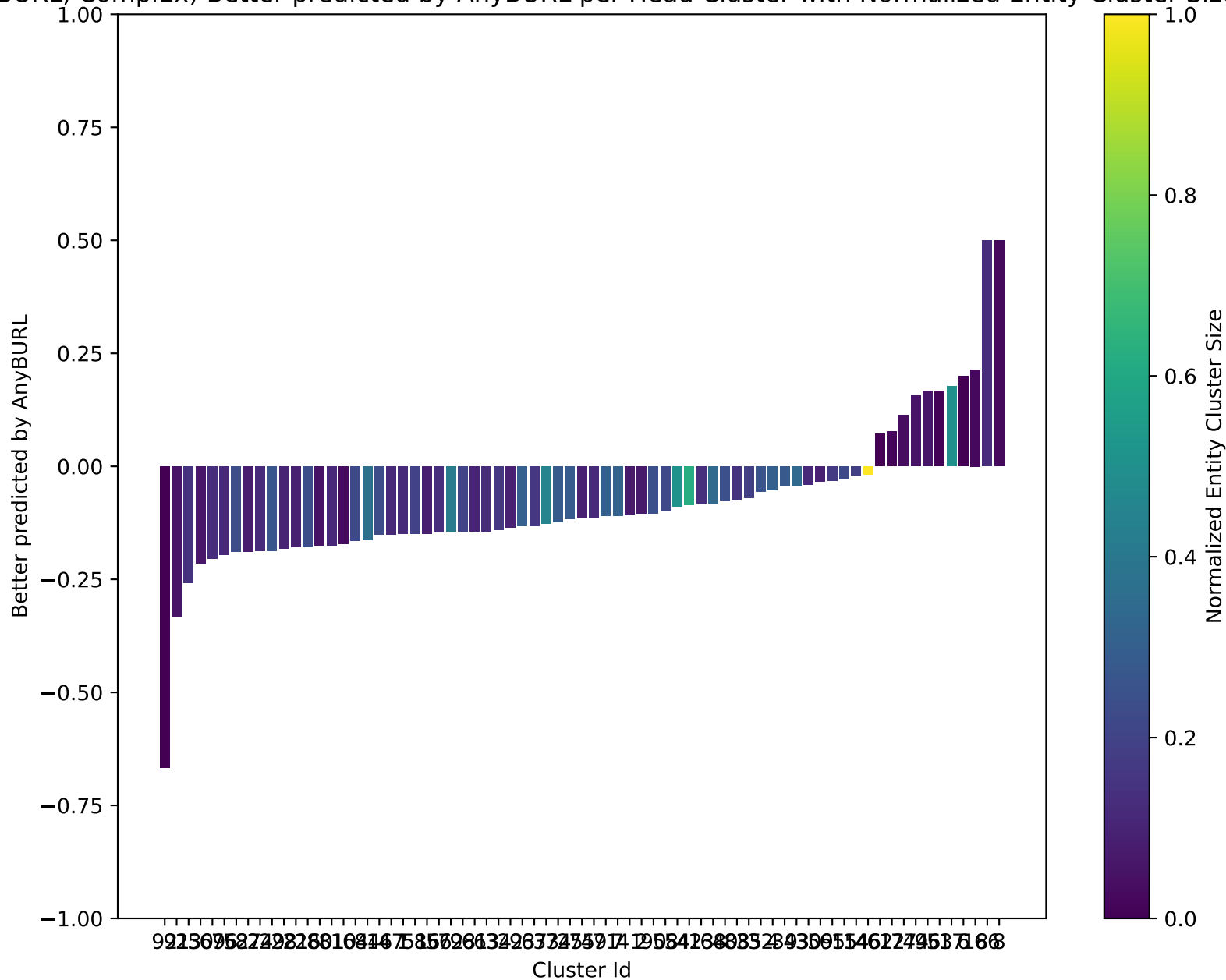
n, AnyBURL, Complex) Better predicted by AnyBURL per Head Cluster with Normalized Entity Cluster Size (n=10)



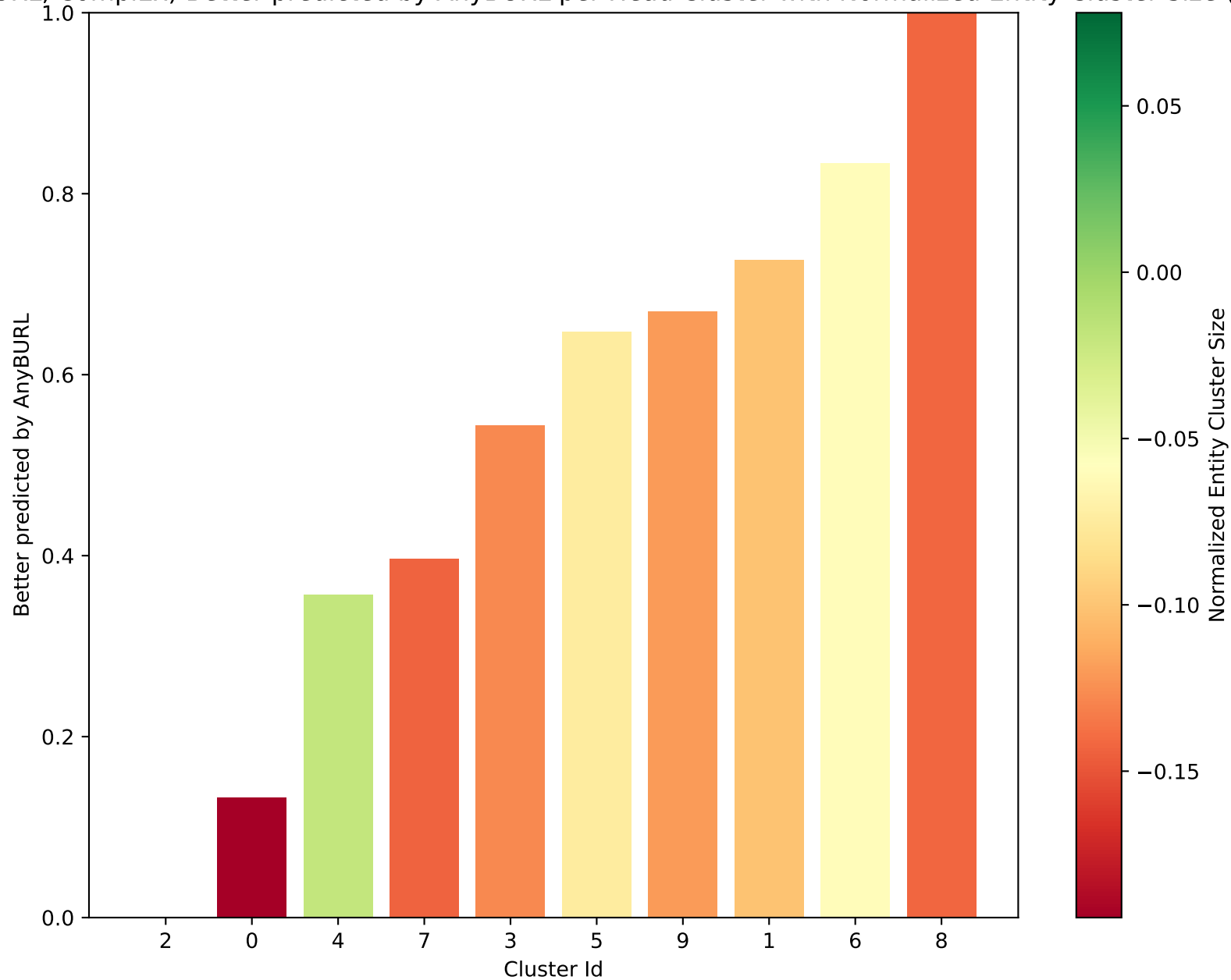
n, AnyBURL, Complex) Better predicted by AnyBURL per Head Cluster with Normalized Entity Cluster Size (n=25)



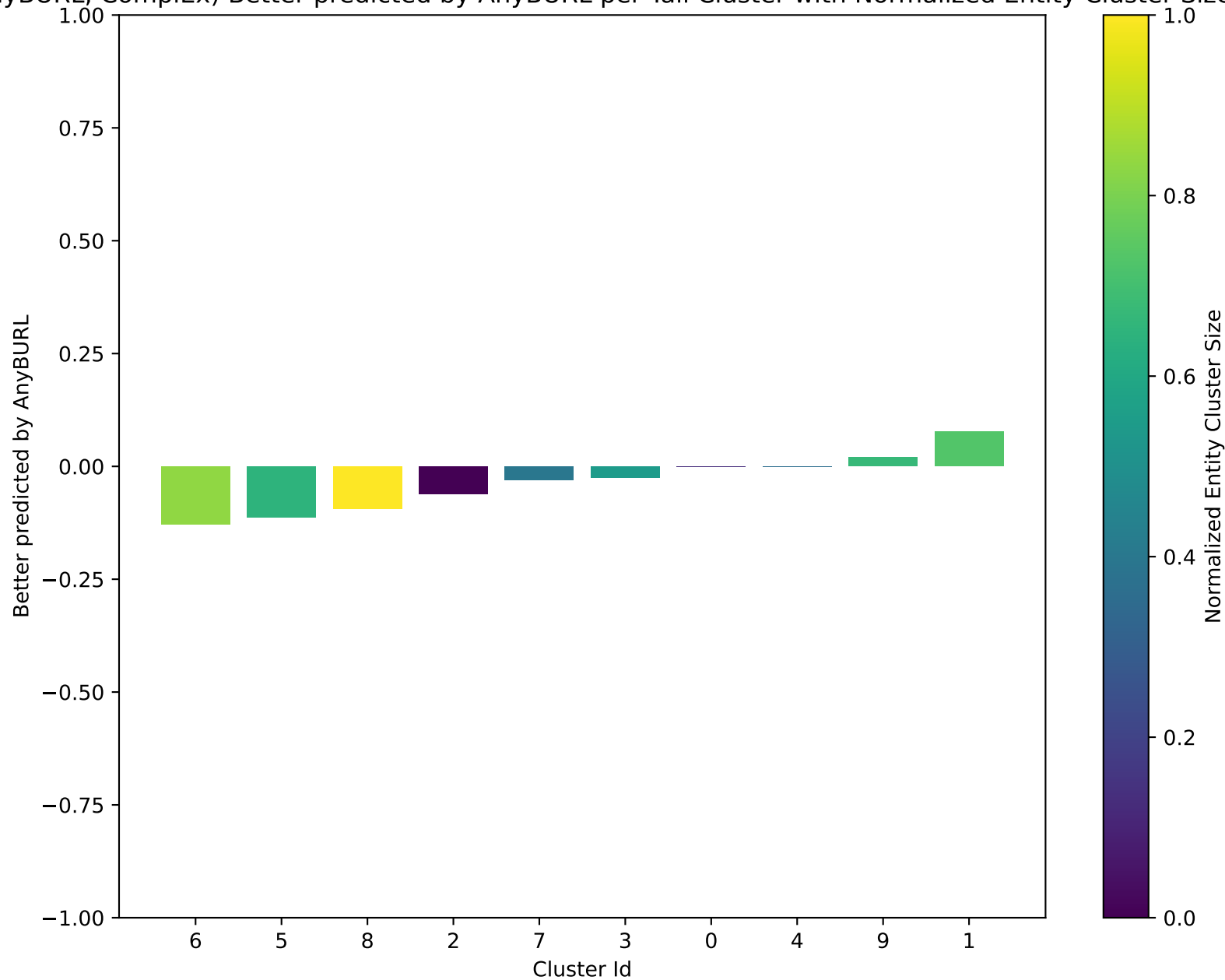
, AnyBURL, Complex) Better predicted by AnyBURL per Head Cluster with Normalized Entity Cluster Size (n=100)



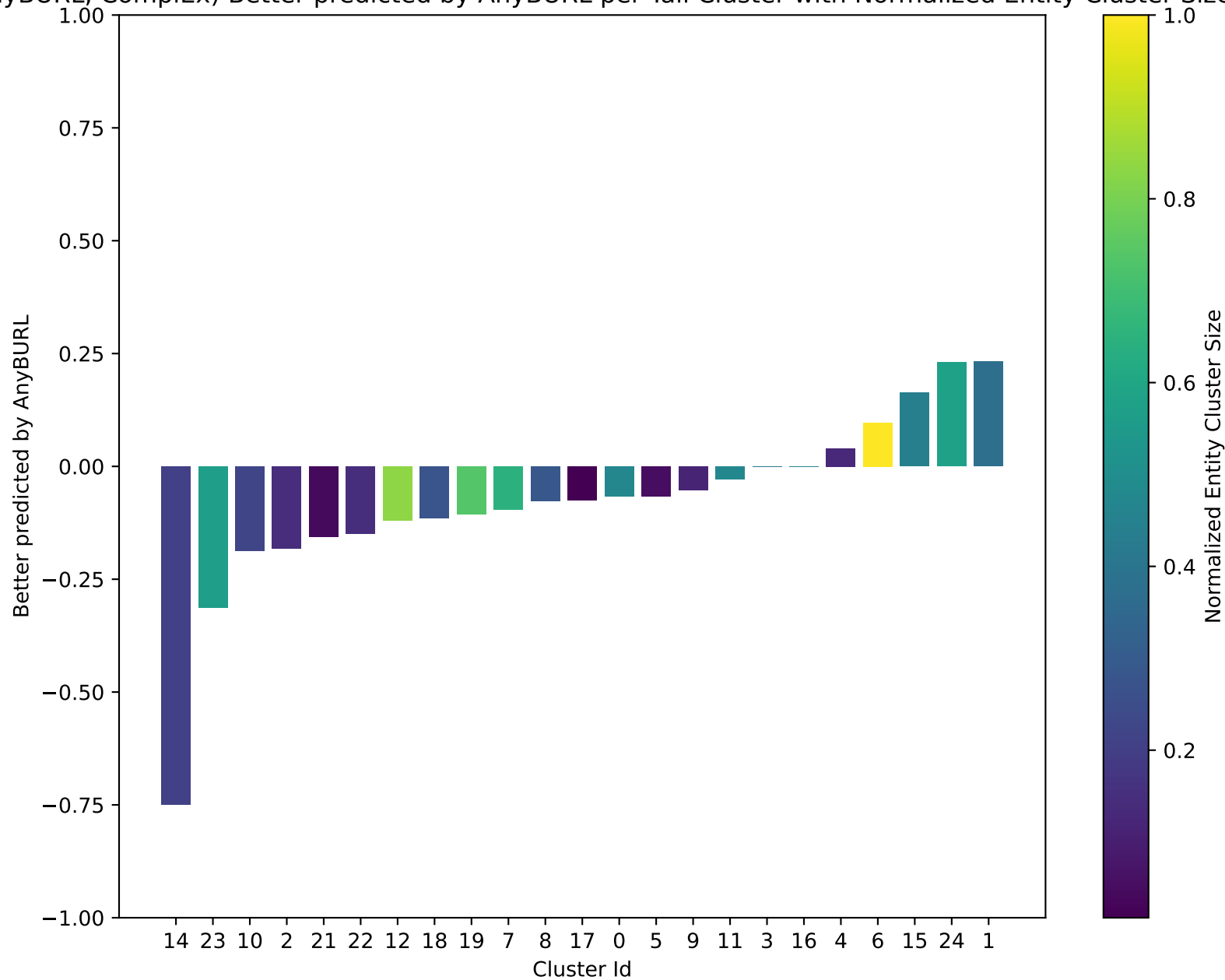
n, AnyBURL, Complex) Better predicted by AnyBURL per Head Cluster with Normalized Entity Cluster Size (n=10)



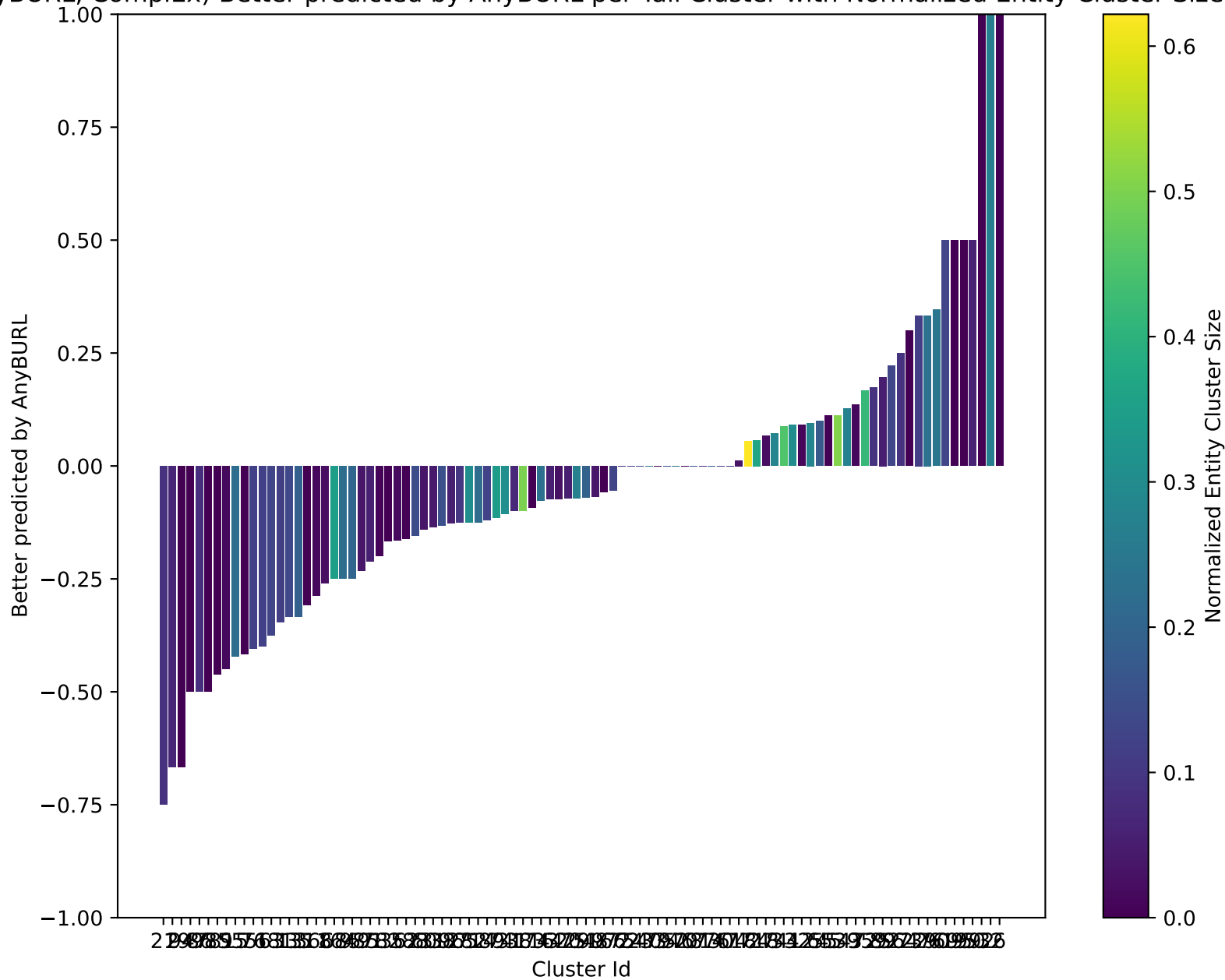
m, AnyBURL, Complex) Better predicted by AnyBURL per Tail Cluster with Normalized Entity Cluster Size (n=10)



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



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



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

