

Test																																	
Original																																	
Rewired																																	
Inter->Intra-1																																	
Inter->Intra-0																																	
Intra-0->Intra-1																																	
Test	SPRINT (AUPR)	FC	Richoux-LSTM	Richoux-DeepFE	PIPR	D-SCRIPT	Topsy Turvy	RF-PCA	SVM-PCA	RF-MDS	SVM-MDS	node2vec	RF-node2vec	SVM-Function	Harmonic	Local Consistency	Global and	0.51	0.64	0.42	0.57	0.58	0.81	0.86	0.80	0.25	0.86	0.69	0.81	0.37	NA	0.00	GOLD STANDARD (222,452/95,018)
																		0.75	0.97	0.98	0.99	0.97	0.43	0.95	0.98	0.93	0.97	0.97	0.96	0.85	0.96	0.98	HUANG (5,316/3,798)
																		0.63	0.50	0.94	0.91	0.97	0.91	0.98	0.68	0.71	0.73	0.68	0.71	0.68	0.77	0.66	GUO (8,966/7,010)
																		0.73	0.90	0.90	0.90	0.91	0.93	0.93	0.89	0.88	0.89	0.90	0.89	0.87	0.91	0.95	DU (27,514/21,740)
																		0.89	0.99	0.87	0.99	0.99	0.98	1.00	0.98	0.92	0.98	0.98	0.98	0.89	0.97	0.98	PAN (50,414/36,006)
																		0.99	0.77	0.83	0.83	0.86	0.99	1.00	0.87	0.81	0.86	0.89	0.86	0.78	0.72	0.63	RICHOUX-REGULAR (67,404/66,492)
																		0.81	0.89	0.86	0.86	0.91	0.99	0.76	0.90	0.79	0.91	0.89	0.88	0.80	0.71	0.58	RICHOUX-STRICT (68,144/67,284)
																		0.78	0.98	0.99	0.99	0.99	1.00	1.00	1.00	1.00	0.99	1.00	1.00	1.00	1.00	NA	1.00
Test	SPRINT (AUPR)	FC	Richoux-LSTM	Richoux-DeepFE	PIPR	D-SCRIPT	Topsy Turvy	RF-PCA	SVM-PCA	RF-MDS	SVM-MDS	node2vec	RF-node2vec	SVM-Function	Harmonic	Local Consistency	Global and	0.56	0.92	0.86	0.83	0.98	0.66	1.00	0.90	0.91	0.88	0.89	0.93	0.77	0.97	0.98	HUANG (5,356/3,830)
																		0.58	0.77	0.87	0.77	0.83	0.96	0.98	0.70	0.69	0.72	0.68	0.72	0.66	0.72	0.46	GUO (8,966/7,056)
																		0.34	0.84	0.93	0.86	0.91	0.98	0.98	0.71	0.80	0.68	0.79	0.72	0.77	0.92	0.94	DU (27,458/21,678)
																		0.81	0.95	0.98	0.93	0.99	0.96	0.99	0.88	0.87	0.77	0.88	0.91	0.84	0.97	0.98	PAN (50,392/35,334)
																		0.84	0.79	0.85	0.82	0.84	0.99	0.99	0.85	0.79	0.86	0.89	0.84	0.76	0.65	0.51	RICHOUX-REGULAR (67,592/66,584)
																		0.73	0.90	0.84	0.84	0.96	0.99	0.99	0.88	0.80	0.92	0.87	0.90	0.83	0.70	0.57	RICHOUX-STRICT (68,268/67,396)
																		0.50	0.98	0.98	0.98	0.98	1.00	1.00	0.99	1.00	0.99	0.99	0.99	1.00	NA	1.00	D-SCRIPT UNBALANCED (379,764/379,654)
																		0.62	0.88	0.94	0.89	0.90	0.98	0.97	0.89	0.93	0.89	0.89	0.89	0.80	0.89	0.91	HUANG (2,850/2,068)
Test	SPRINT (AUPR)	FC	Richoux-LSTM	Richoux-DeepFE	PIPR	D-SCRIPT	Topsy Turvy	RF-PCA	SVM-PCA	RF-MDS	SVM-MDS	node2vec	RF-node2vec	SVM-Function	Harmonic	Local Consistency	Global and	0.68	0.86	0.93	0.92	0.85	0.99	0.97	0.89	0.90	0.90	0.88	0.92	0.91	0.92	0.94	GUO (4,604/3,522)
																		0.72	0.90	0.95	0.91	0.87	0.98	0.97	0.91	0.90	0.90	0.90	0.91	0.86	0.92	0.95	DU (15,202/12,136)
																		0.72	0.73	0.76	0.71	0.72	1.00	0.79	0.71	0.78	0.70	0.72	0.70	0.73	0.74	0.75	PAN (22,596/16,726)
																		0.79	0.85	0.85	0.83	0.90	1.00	0.79	0.92	0.82	0.91	0.91	0.91	0.81	0.66	0.52	RICHOUX-UNIPROT (28,866/27,310)
																		0.49	0.99	0.99	0.99	0.98	1.00	0.98	1.00	1.00	0.99	1.00	0.99	0.99	NA	1.00	D-SCRIPT UNBALANCED (33,348/183,304)
																		0.69	0.96	0.04	0.95	0.65	1.00	1.00	0.95	0.87	0.96	0.87	0.94	0.70	0.96	0.99	HUANG (2,850/2,068)
Test	SPRINT (AUPR)	FC	Richoux-LSTM	Richoux-DeepFE	PIPR	D-SCRIPT	Topsy Turvy	RF-PCA	SVM-PCA	RF-MDS	SVM-MDS	node2vec	RF-node2vec	SVM-Function	Harmonic	Local Consistency	Global and	0.68	0.84	0.05	0.89	0.82	0.97	0.66	0.88	0.90	0.86	0.76	0.87	0.77	0.88	0.92	GUO (4,604/3,522)
																		0.70	0.85	0.84	0.91	0.84	0.94	0.96	0.85	0.82	0.84	0.84	0.84	0.82	0.92	0.94	DU (15,202/12,136)
																		0.76	0.96	0.95	0.96	0.93	0.99	0.98	0.95	0.84	0.96	0.93	0.94	0.75	0.96	0.97	PAN (22,596/16,726)
																		0.79	0.80	0.86	0.78	0.82	1.00	0.99	0.82	0.52	0.90	0.91	0.73	0.47	0.50	0.37	RICHOUX-UNIPROT (28,866/27,310)
																		0.37	0.96	0.95	0.92	0.97	1.00	1.00	1.00	1.00	0.97	0.99	1.00	1.00	NA	1.00	D-SCRIPT UNBALANCED (33,348/183,304)
																		0.48	0.17	0.00	0.16	0.42	1.00	0.98	0.38	0.76	0.02	0.24	0.25	0.65	0.00	0.00	HUANG (2,410/1,496)
Test	SPRINT (AUPR)	FC	Richoux-LSTM	Richoux-DeepFE	PIPR	D-SCRIPT	Topsy Turvy	RF-PCA	SVM-PCA	RF-MDS	SVM-MDS	node2vec	RF-node2vec	SVM-Function	Harmonic	Local Consistency	Global and	0.52	0.03	0.75	0.47	0.50	0.99	0.95	0.26	0.84	0.05	0.41	0.24	0.66	0.00	0.00	GUO (4,640/3,548)
																		0.54	0.07	0.38	0.28	0.51	1.00	0.96	0.06	0.76	0.01	0.19	0.03	0.51	0.00	0.00	DU (14,468/10,958)
																		0.48	0.03	0.27	0.11	0.19	0.98	0.89	0.10	0.83	0.00	0.09	0.09	0.80	0.00	0.00	PAN (31,212/21,102)
																		0.60	0.97	0.85	0.90	0.93	0.78	0.89	0.99	0.98	1.00	0.96	0.97	0.82	0.00	0.00	RICHOUX-UNIPROT (39,634/36,752)
																		0.17	1.00	0.96	0.99	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	NA	1.00	D-SCRIPT UNBALANCED (27,148/149,215)