

Test	Original							Rewired							Test		
	Original							Rewired							Inter->Intra-1	Inter->Intra-0	
Original	0.51	0.05	0.04	NA	0.04	0.17	0.14	0.05	0.03	0.02	0.01	0.02	0.03	NA	0.00	GOLD STANDARD (222,452/95,018)	Inter->Intra-1
	0.75	0.34	-0.04	0.45	0.80	0.55	0.32	0.92	-0.09	0.94	0.89	0.91	0.61	0.84	0.77	HUANG (5,316/3,798)	
	0.63	0.20	NA	NA	NA	0.39	0.24	0.42	0.03	0.46	0.22	0.44	0.19	0.62	0.48	GUO (8,966/7,010)	
	0.73	0.66	0.01	0.13	0.69	0.26	0.33	0.76	-0.11	0.76	0.42	0.76	0.33	0.73	0.69	DU (27,514/21,740)	
	0.89	0.97	NA	0.30	0.45	0.60	0.79	0.95	-0.21	0.95	0.54	0.94	-0.09	0.86	0.80	PAN (50,414/36,006)	
	0.99	0.76	0.67	0.32	0.77	0.43	0.46	0.86	-0.01	0.85	0.23	0.83	-0.07	0.60	0.57	RICHOUX-REGULAR (67,404/66,492)	
	0.81	0.37	NA	0.01	0.46	0.44	0.27	0.44	-0.06	0.45	0.13	0.52	-0.03	0.50	0.42	RICHOUX-STRICT (68,144/67,284)	
	0.78	0.51	NA	0.76	0.74	0.46	0.43	0.73	0.03	0.69	0.15	0.69	0.07	NA	0.00	D-SCRIPT UNBALANCED (379,247/379,104)	
Rewired	0.56	0.37	NA	0.27	NA	0.44	NA	0.70	-0.05	0.76	0.68	0.72	0.34	0.83	0.83	HUANG (5,356/3,830)	Inter->Intra-0
	0.58	0.16	-0.02	NA	NA	0.40	0.30	0.33	0.01	0.32	0.21	0.34	0.15	0.50	0.31	GUO (8,966/7,056)	
	0.34	0.40	NA	0.02	0.06	0.04	-0.01	0.53	-0.11	0.52	0.31	0.54	0.23	0.74	0.70	DU (27,458/21,678)	
	0.81	0.40	0.79	0.53	0.89	0.68	0.65	0.76	-0.15	0.68	0.27	0.79	-0.12	0.85	0.82	PAN (50,392/35,334)	
	0.84	0.69	0.61	0.19	0.61	0.17	0.54	0.68	-0.01	0.75	0.17	0.65	-0.05	0.65	0.56	RICHOUX-REGULAR (67,592/66,584)	
	0.73	0.34	0.37	0.14	0.34	0.48	0.50	0.43	-0.07	0.46	0.14	0.44	-0.02	0.45	0.36	RICHOUX-STRICT (68,268/67,396)	
	0.50	0.38	NA	0.64	0.49	0.56	0.06	0.53	0.04	0.53	0.12	0.52	0.07	NA	0.00	D-SCRIPT UNBALANCED (379,764/379,654)	
	Inter->Intra-1	0.62	0.41	NA	0.04	NA	0.14	NA	0.78	0.45	0.84	0.73	0.78	0.56	0.80	0.81	
0.68		0.66	NA	0.10	0.38	0.11	-0.17	0.78	-0.07	0.80	0.67	0.79	0.61	0.62	0.54	GUO (4,604/3,522)	
0.72		0.47	NA	NA	0.60	0.10	0.49	0.75	-0.08	0.74	0.48	0.73	0.37	0.69	0.60	DU (15,202/12,136)	
0.72		0.72	NA	0.31	0.63	0.53	0.56	0.69	-0.26	0.70	0.55	0.68	-0.12	0.66	0.64	PAN (22,596/16,726)	
0.79		0.63	NA	NA	0.63	0.34	0.01	0.59	0.03	0.65	0.29	0.56	0.08	0.55	0.46	RICHOUX-UNIPROT (28,866/27,310)	
0.49		0.49	NA	0.70	0.43	0.57	0.07	0.62	0.07	0.68	0.18	0.63	0.07	NA	0.00	D-SCRIPT UNBALANCED (33,348/183,304)	
Inter->Intra-0	0.69	0.37	-0.09	0.08	0.07	0.63	NA	0.91	0.48	0.91	0.70	0.88	0.50	0.80	0.70	HUANG (2,850/2,068)	Inter->Intra-0
	0.68	0.29	0.03	0.19	0.20	0.02	-0.10	0.73	0.00	0.74	0.57	0.74	0.57	0.57	0.52	GUO (4,604/3,522)	
	0.70	0.52	NA	NA	0.53	0.01	0.34	0.73	-0.13	0.73	0.42	0.73	0.40	0.74	0.71	DU (15,202/12,136)	
	0.76	0.48	NA	0.13	0.82	0.61	0.05	0.92	-0.18	0.92	0.55	0.90	-0.05	0.80	0.73	PAN (22,596/16,726)	
	0.79	0.52	NA	0.03	0.54	0.28	0.47	0.55	-0.05	0.58	0.17	0.51	-0.06	0.51	0.43	RICHOUX-UNIPROT (28,866/27,310)	
	0.37	0.26	NA	0.34	0.10	0.37	0.06	0.40	-0.00	0.51	0.12	0.43	0.07	NA	0.00	D-SCRIPT UNBALANCED (33,348/183,304)	
Intra-0->Intra-1	0.48	0.03	-0.00	0.15	0.05	0.05	NA	0.12	0.12	-0.06	-0.01	0.07	0.12	0.00	0.00	HUANG (2,410/1,496)	Intra-0->Intra-1
	0.52	-0.01	NA	0.07	0.14	NA	NA	0.08	-0.21	-0.02	-0.01	0.08	0.14	0.00	0.00	GUO (4,640/3,548)	
	0.54	0.08	NA	0.02	0.04	0.12	0.20	0.00	-0.09	-0.02	0.00	0.00	0.11	0.00	0.00	DU (14,468/10,958)	
	0.48	-0.01	NA	0.00	0.04	0.29	0.21	0.11	-0.15	0.01	-0.03	0.06	-0.16	0.00	0.00	PAN (31,212/21,102)	
	0.60	0.03	-0.01	-0.02	0.14	0.20	0.13	0.03	0.01	-0.02	0.04	-0.00	0.06	0.00	0.00	RICHOUX-UNIPROT (39,634/36,752)	
	0.17	NA	NA	0.13	NA	0.34	0.24	0.00	0.11	0.00	0.01	-0.00	0.08	NA	0.00	D-SCRIPT UNBALANCED (27,148/149,215)	
Test	SPRINT (AUPR)	FC	Richoux-LSTM	DeepFE	PIPR	D-SCRIPT	Topsy Turvy	RF-PCA	SVM-PCA	RF-MDS	SVM-MDS	node2vec	RF-node2vec	SVM-Function	Harmonic	Local Consistency	Global and