Matrix type	Sum intra-sub.		Sum inter-sub.		Density intra-sub.		Density inter-sub.		Divisibility		Modularity	
Graph's index	t-stat.	p-value	t-stat.	p-value	t-stat.	p-value	t-stat.	p-value	t-stat.	p-value	t-stat.	p-value
1. Cross-attention on Layer 0	1.69	0.1119	-1.69	0.1119	1.47	0.1613	-1.47	0.1613	1.47	0.1613	0.34	0.7381
2. Cross-attention on Layer 1	-0.99	0.3366	0.99	0.3366	-0.90	0.3828	0.90	0.3828	-0.85	0.4089	-0.91	0.3752
3. Average of cross-attentions	1.14	0.2704	-1.14	0.2704	1.24	0.2340	-1.24	0.2340	1.27	0.2251	0.22	0.8262
4. Element-wise product between cross-attentions	-0.27	0.7902	0.27	0.7902	-0.35	0.7348	0.35	0.7348	-0.30	0.7705	-0.42	0.6771
5. Self-attention on Layer 0	1.05	0.3121	-1.05	0.3121	1.28	0.2191	-1.28	0.2191	1.30	0.2143	-0.47	0.6433
6. Self-attention on Layer 1	2.40	**0.0296**	-2.40	**0.0296**	2.59	**0.0204**	-2.59	**0.0204**	2.62	**0.0192**	1.64	0.1224
7. Average of self-attentions	2.04	0.0592	-2.04	0.0592	2.28	**0.0377**	-2.28	**0.0377**	2.31	**0.0355**	1.08	0.2953
8. Element-wise product between self-attentions	2.29	**0.0369**	-2.29	**0.0369**	2.61	**0.0197**	-2.61	**0.0197**	2.66	**0.0180**	1.28	0.2209
9. Average of all the attention on every layer	1.78	0.0950	-1.78	0.0950	1.82	0.0894	-1.82	0.0894	1.84	0.0854	0.49	0.6298
10. Element-wise product between all the attention on every layer	0.34	0.7364	-0.34	0.7364	0.15	0.8810	-0.15	0.8810	0.34	0.7356	-0.69	0.5007
11. Element-wise product between the averages of cross and self-attention	1.93	0.0725	-1.93	0.0725	1.91	0.0757	-1.91	0.0757	1.95	0.0702	0.14	0.8928