

Table 1. Statistical Test: homogeneous KG versus heterogeneous KG.

Metric	Top-5 Acc	Top-10 Acc	MRR	MAP
P-Value	0.003906	0.001953	0.011407	0.021303

Table 2. Statistical Test: M-7 versus M-1 on overall performance of link prediction.

Metric	Top-5 Acc	Top-10 Acc	MRR	MAP
P-Value	0.001953	0.001953	0.005510	0.005761

Table 3. P-Value of Statistical Test: M-7 versus M-1 on Top-5 Acc by relationship type and predict-head/tail of link prediction.

	instanceof	targetof	childof	parentof	peerof	canfollow	canprecede	semantic	overall
Head	0.001953	0.014369	0.009091	0.009030	0.034611	0.014147	0.034097	0.009091	0.005761
Tail	0.001953	0.009091	0.005666	0.001953	0.009091	0.014029	0.005857	0.005761	0.013672