Supplementary Table S9 Hop-wise results of KG-LLM baselines on Qwen-Plus (Hits@1 / F1, %)

Hop group	MindMap	ToG	BYOKG-RAG	GraphRAG	PoG	CEAF-CLWQA
1-hop H@1	79.3	72.1	81.4	84.0	84.5	**85.6**
1-hop F1	62.3	57.7	65.3	67.2	68.3	**68.5**
2-hop H@1	75.2	68.0	77.1	80.6	80.6	**83.2**
2-hop F1	59.8	54.4	63.0	65.3	66.0	**66.6**
3-hop H@1	65.4	57.6	67.0	71.2	74.4	**78.1**
3-hop F1	52.8	47.9	56.8	59.1	60.3	**61.5**
≥4-hop H@1	56.3	46.7	57.7	61.8	64.7	**69.1**
≥4-hop F1	45.3	39.1	49.0	51.1	52.7	**54.8**