1 ADDITIONAL MATERIAL

1.1 Query performance on Sift10M

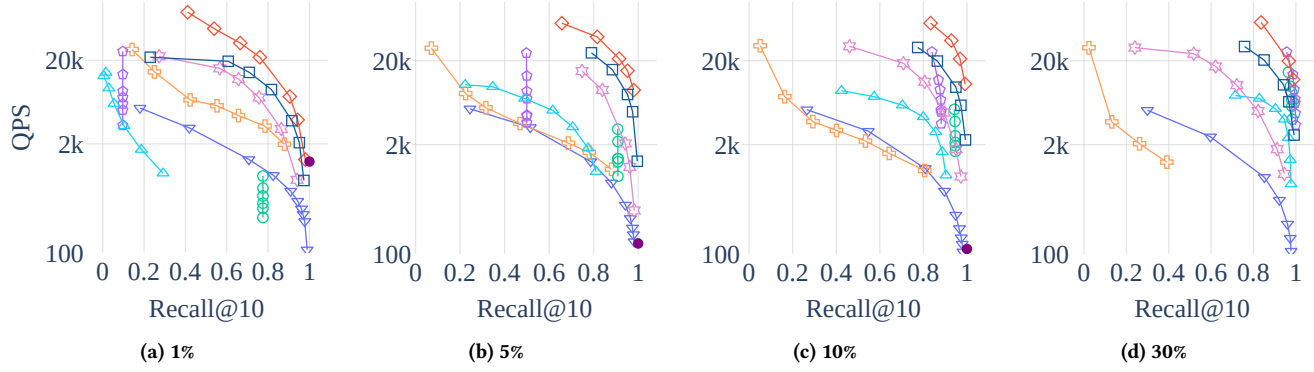

(a) 1%   (b) 5%   (c) 10%   (d) 30%

Figure 1: Query performance with varied specificity (Sift10M)

1.2 Query performance on Sift1M

(a) 1%   (b) 5%   (c) 10%   (d) 30%
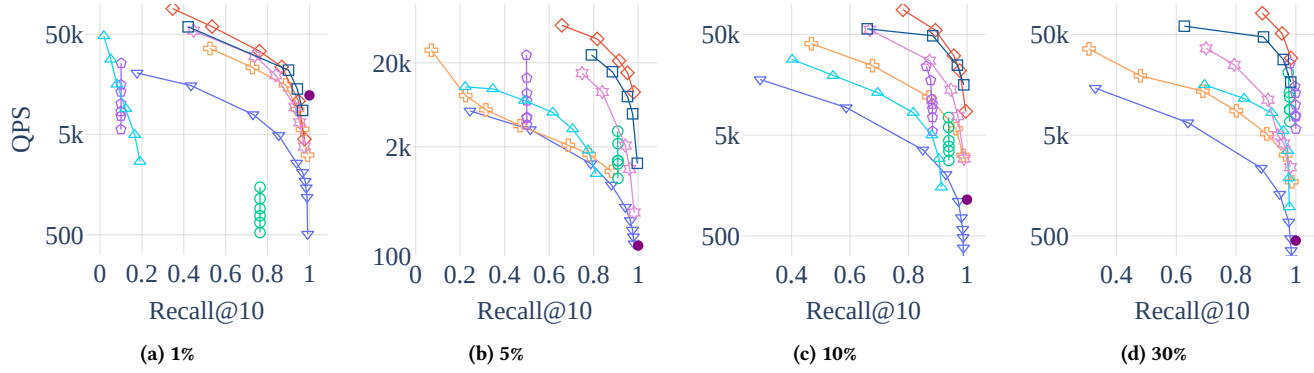
Figure 2: Query performance with varied specificity (Sift1M)

1.3 Query performance on Deep1M
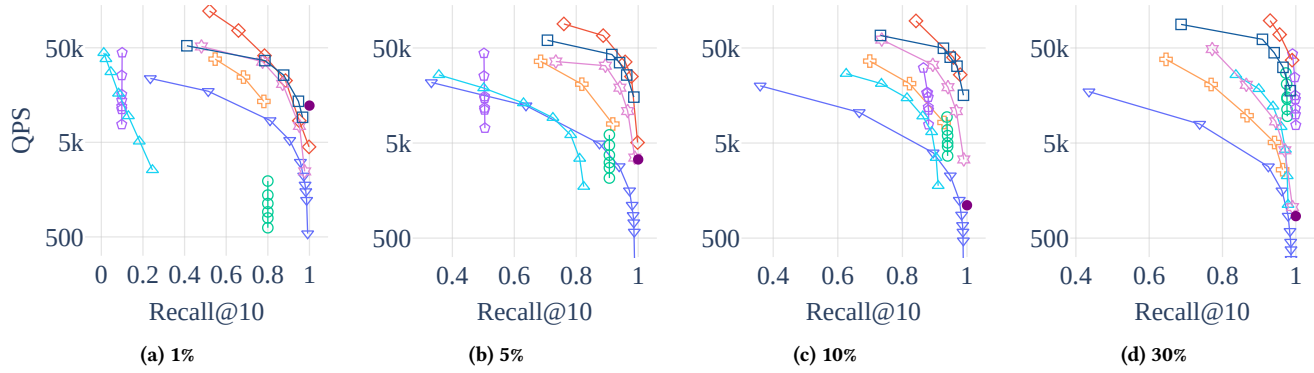

(a) 1%   (b) 5%   (c) 10%   (d) 30%

Figure 3: Query performance with varied specificity (Deep1M)

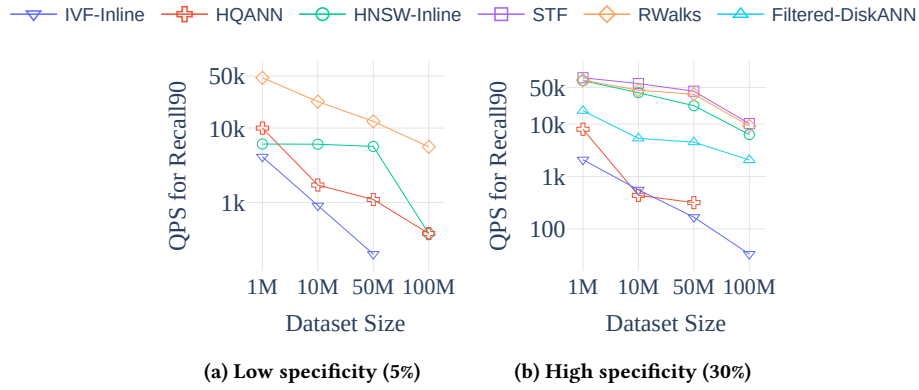## 1.4 Impact of Dataset Size on Query Efficiency at High Recall (Deep dataset)

Figure 4: Query answering scalability with dataset size (Deep, Recall@10 = 0.9).

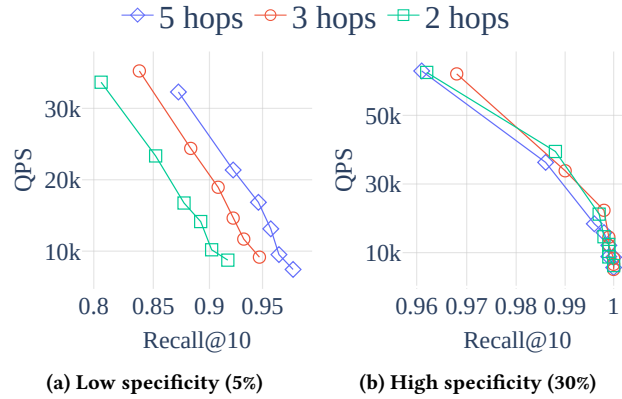## 1.5 Impact of Random Walks Depth on the Accuracy/Efficiency Trade-offs

Figure 5: Effect of Random walks depth on QPS-Recall trade-off.

1.6 Impact of Search hyper-parameters on the Accuracy/Efficiency Trade-offs
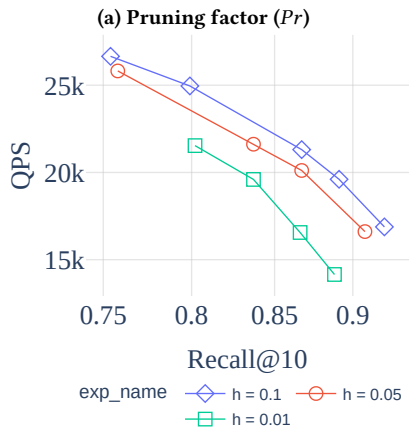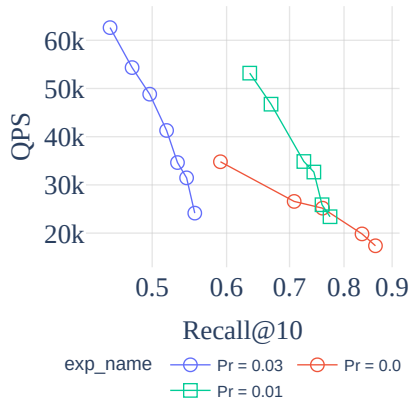
(a) Pruning factor (*Pr*)

(b) Hybrid factor (*h*)

Figure 6: Effect of search hyper-parameters on QPS-recall trade-off.