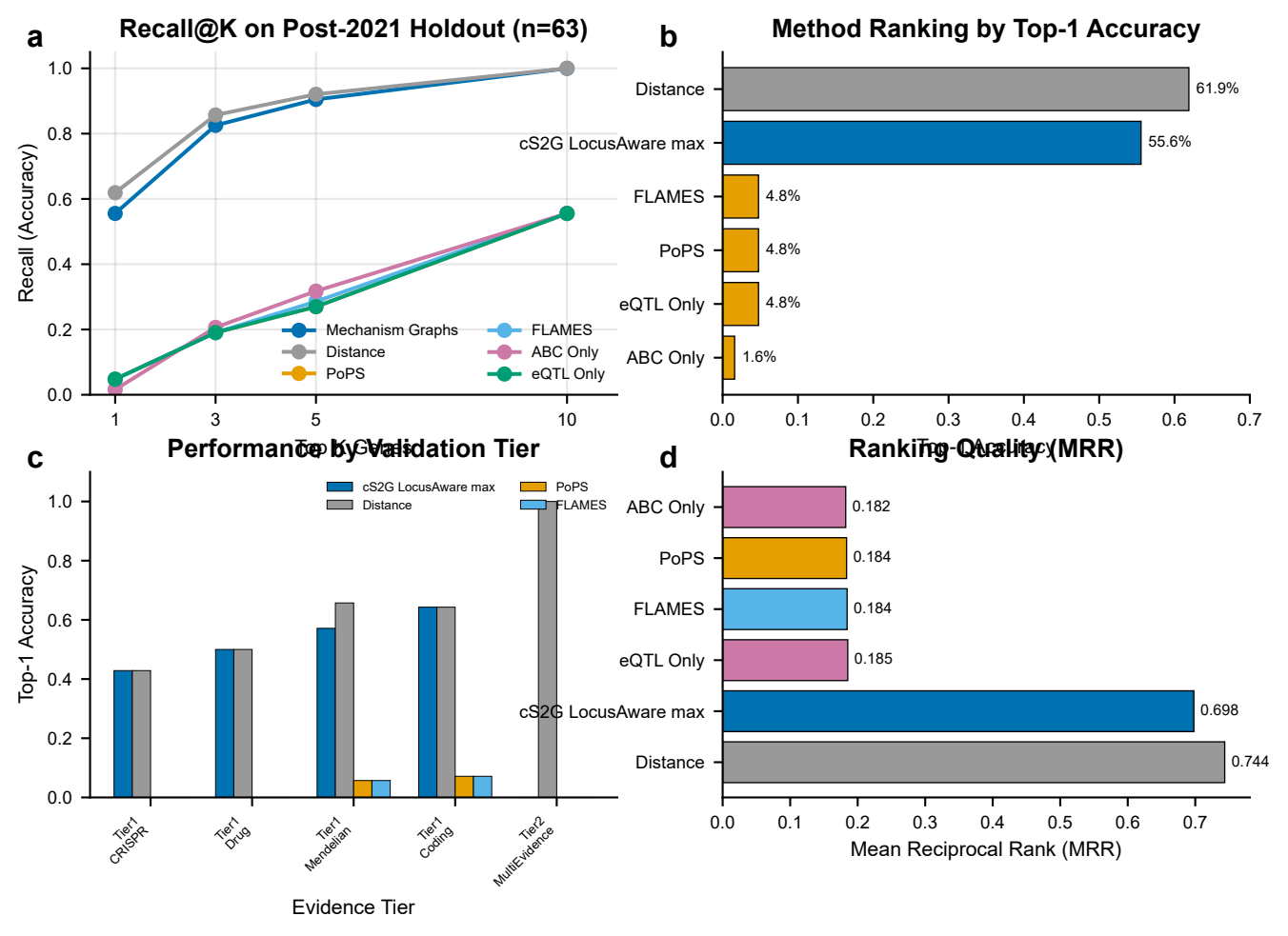
a
Recall@K on Post-2021 Holdout (n=63)
Recall (Accuracy)
1.0
0.8
0.6
0.4
0.2
0.0
1
3
5
10
Top-K Genes
Mechanism Graphs
Distance
PoPS
FLAMES
ABC Only
eQTL Only
b
Method Ranking by Top-1 Accuracy
Distance
cS2G LocusAware max
FLAMES
PoPS
eQTL Only
ABC Only
61.9%
55.6%
4.8%
4.8%
4.8%
1.6%
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
Top-1 Accuracy
c
Performance by Validation Tier
cS2G LocusAware max
Distance
PoPS
FLAMES
Top-1 Accuracy
1.0
0.8
0.6
0.4
0.2
0.0
Tier1 CRISPR
Tier1 Drug
Tier1 Mendelian
Tier1 Coding
Tier2 MultiEvidence
Evidence Tier
d
Ranking Quality (MRR)
ABC Only
PoPS
FLAMES
eQTL Only
cS2G LocusAware max
Distance
0.182
0.184
0.184
0.185
0.698
0.744
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
Mean Reciprocal Rank (MRR)