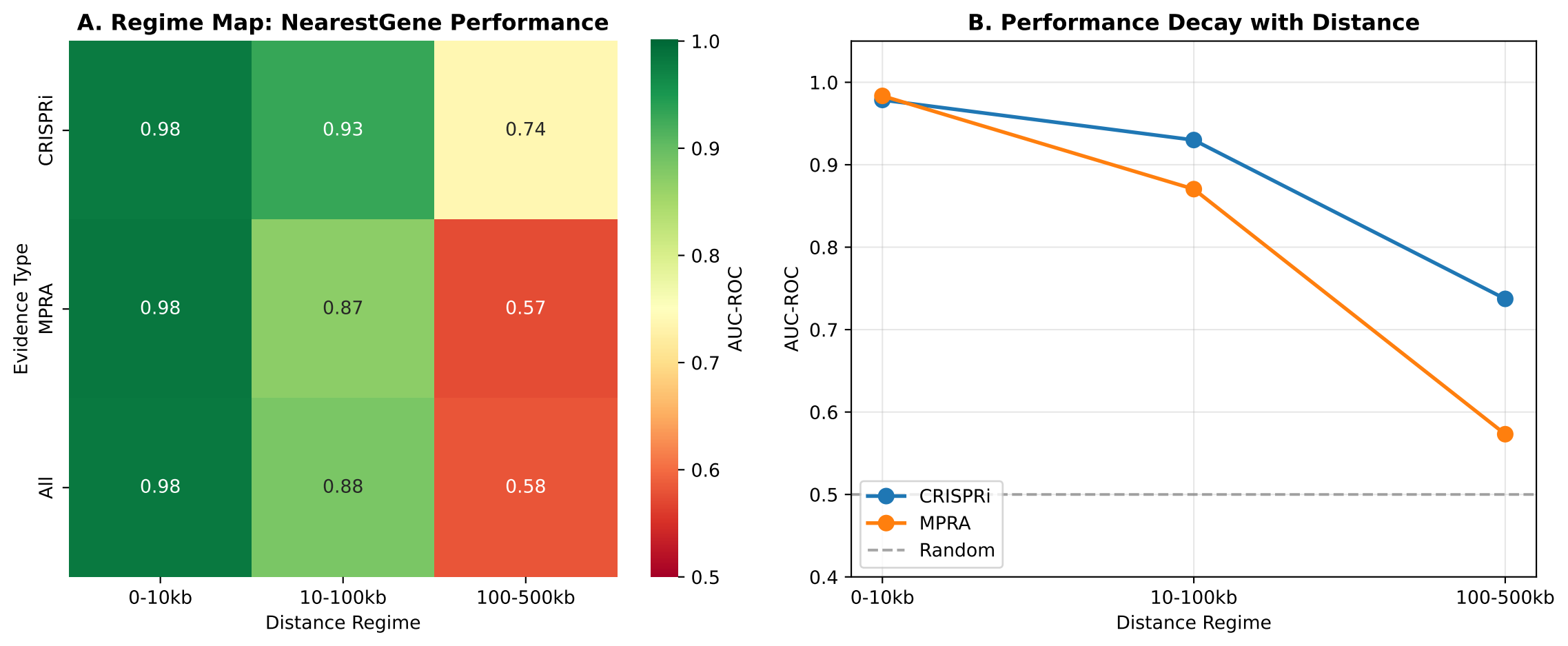
A. Regime Map: NearestGene Performance
Evidence Type
CRISPRi
MPRA
All
0.98
0.93
0.74
0.98
0.87
0.57
0.98
0.88
0.58
0-10kb
10-100kb
100-500kb
Distance Regime
AUC-ROC
1.0
0.9
0.8
0.7
0.6
0.5
B. Performance Decay with Distance
AUC-ROC
1.0
0.9
0.8
0.7
0.6
0.5
0.4
CRISPRi
MPRA
Random
0-10kb
10-100kb
100-500kb
Distance Regime