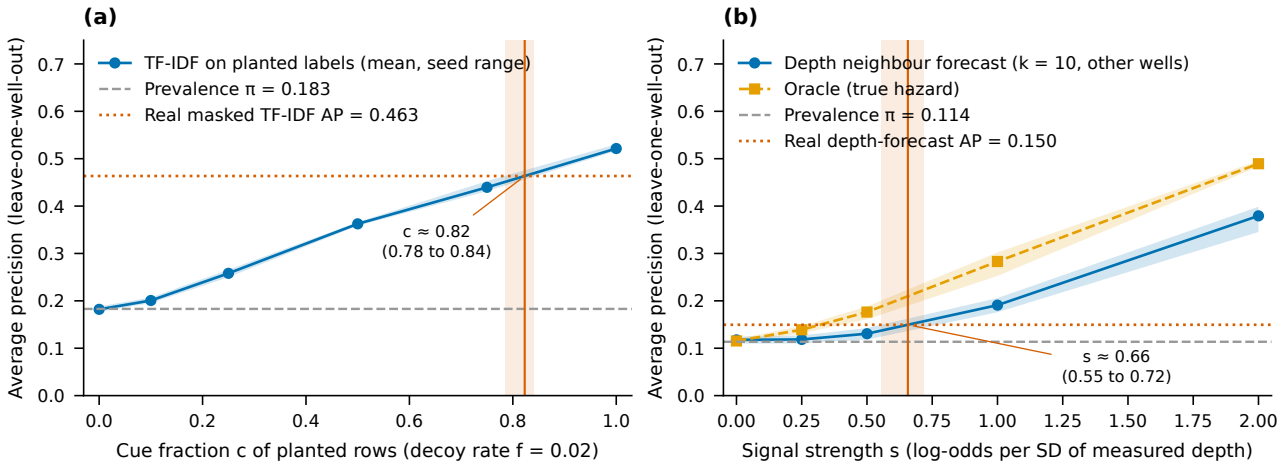

(a)
TF-IDF on planted labels (mean, seed range)
Prevalence π = 0.183
Real masked TF-IDF AP = 0.463
c ≈ 0.82
(0.78 to 0.84)
Average precision (leave-one-well-out)
Cue fraction c of planted rows (decoy rate f = 0.02)
(b)
Depth neighbour forecast (k = 10, other wells)
Oracle (true hazard)
Prevalence π = 0.114
Real depth-forecast AP = 0.150
s ≈ 0.66
(0.55 to 0.72)
Average precision (leave-one-well-out)
Signal strength s (log-odds per SD of measured depth)