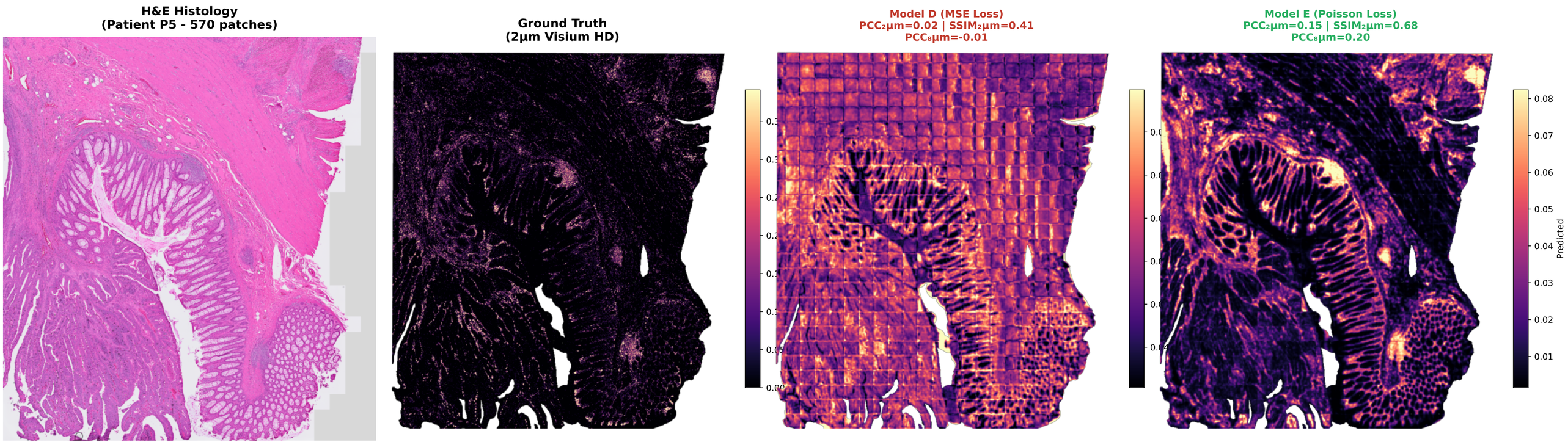
CD74 — Immune Marker (Sparse punctate cells)
2µm Resolution | Poisson vs MSE: ΔPCC₈µm = +0.211
H&E Histology
(Patient P5 - 570 patches)
Ground Truth
(2µm Visium HD)
Model D (MSE Loss)
PCC₂µm=0.02 | SSIM₂µm=0.41
PCC₈µm=-0.01
Model E (Poisson Loss)
PCC₂µm=0.15 | SSIM₂µm=0.68
PCC₈µm=0.20
Predicted
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
Expression: 3328×3072 pixels at 2µm/pixel | Physical: 6.7×6.1 mm | Gray = non-tissue