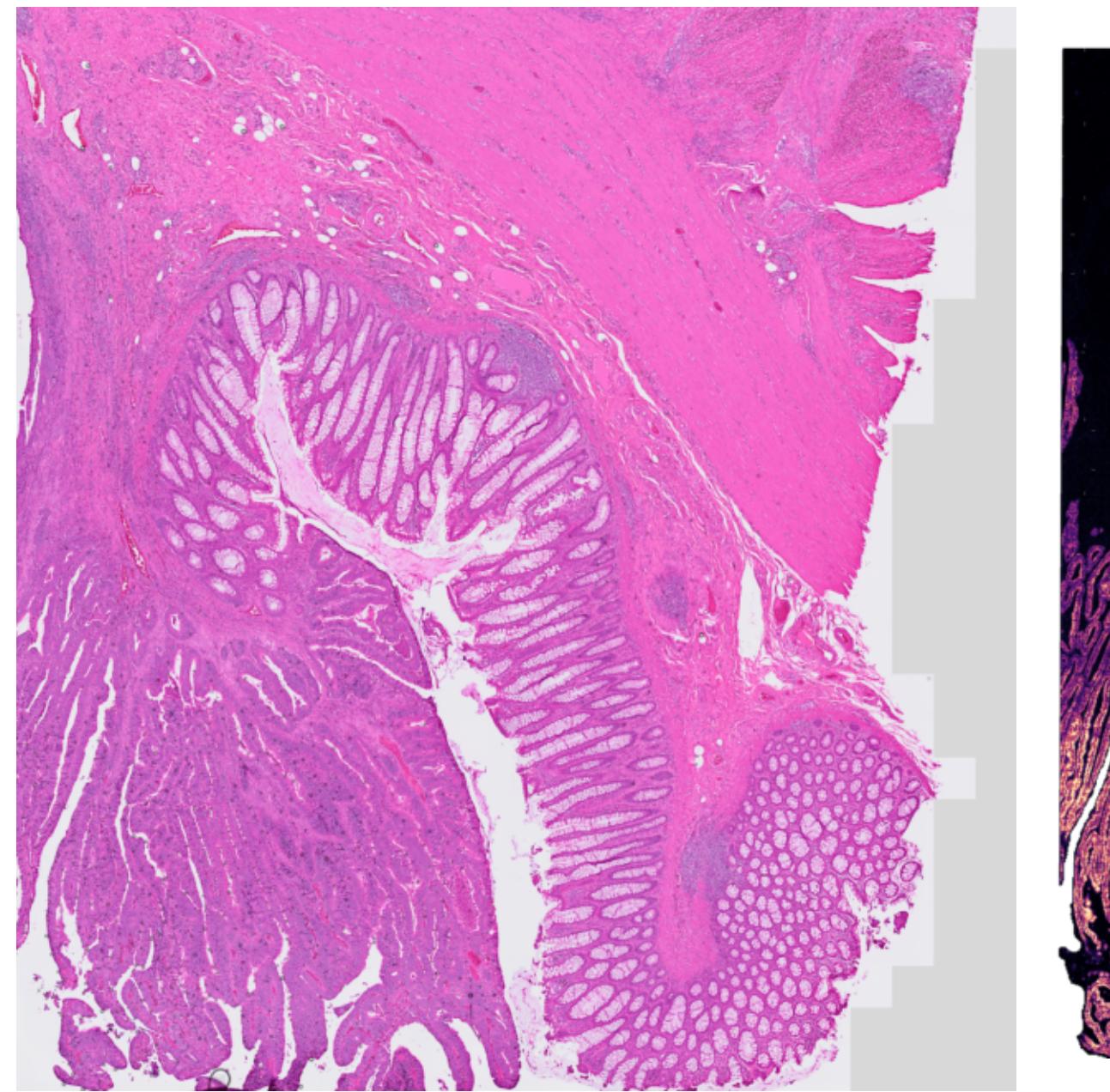
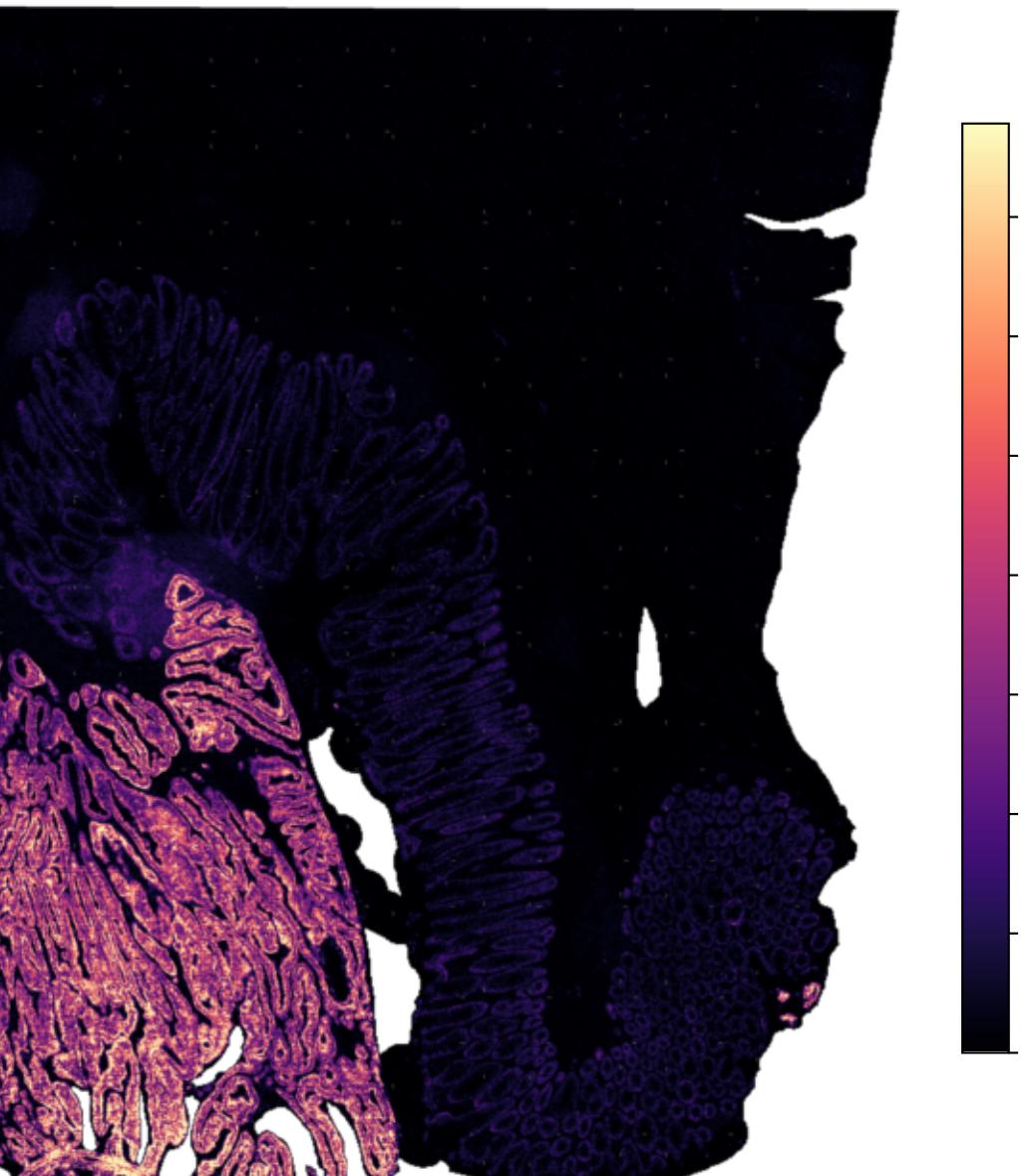


MT-ATP6 — Mitochondrial Marker (Dense cytoplasmic pattern)
2 μ m Resolution | Poisson vs MSE: $\Delta PCC_{8\mu m} = -0.003$

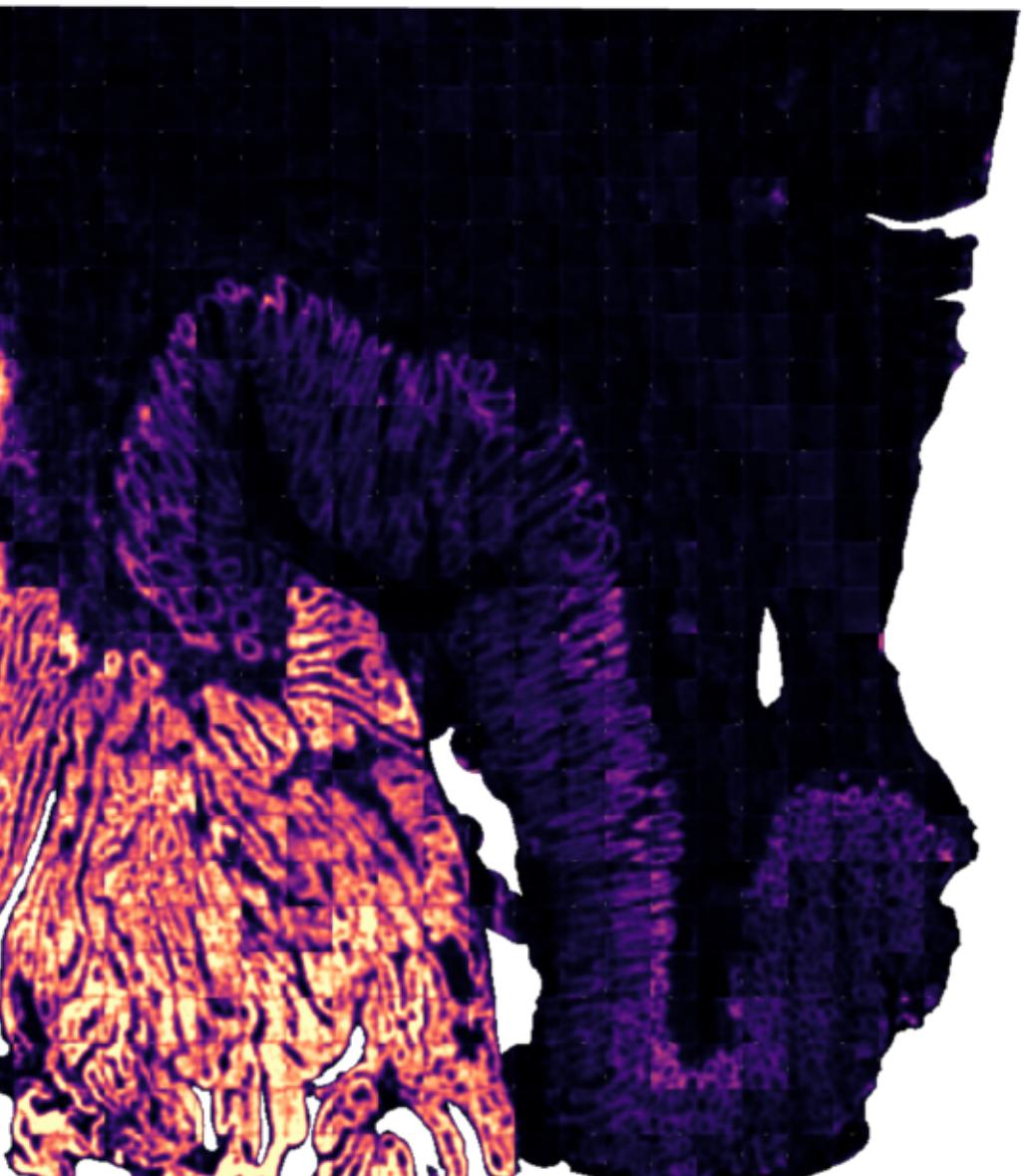
H&E Histology
(Patient P5 - 570 patches)



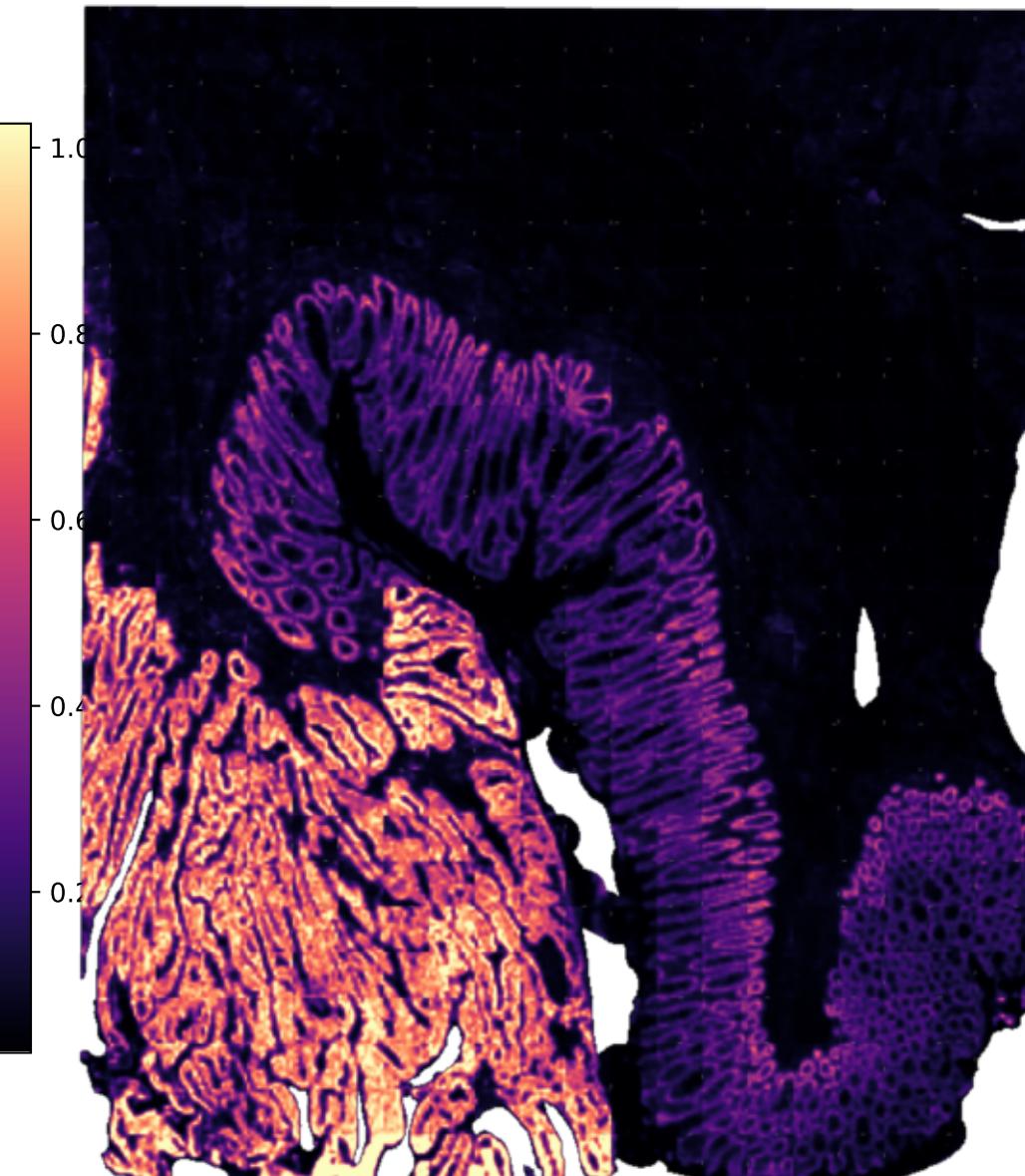
Ground Truth
(2 μ m Visium HD)



Model D (MSE Loss)
 $PCC_{2\mu m}=0.54$ | $SSIM_{2\mu m}=0.27$
 $PCC_{8\mu m}=0.76$



Model E (Poisson Loss)
 $PCC_{2\mu m}=0.54$ | $SSIM_{2\mu m}=0.30$
 $PCC_{8\mu m}=0.76$



Expression: 3328×3072 pixels at 2 μ m/pixel | Physical: 6.7×6.1 mm | Gray = non-tissue