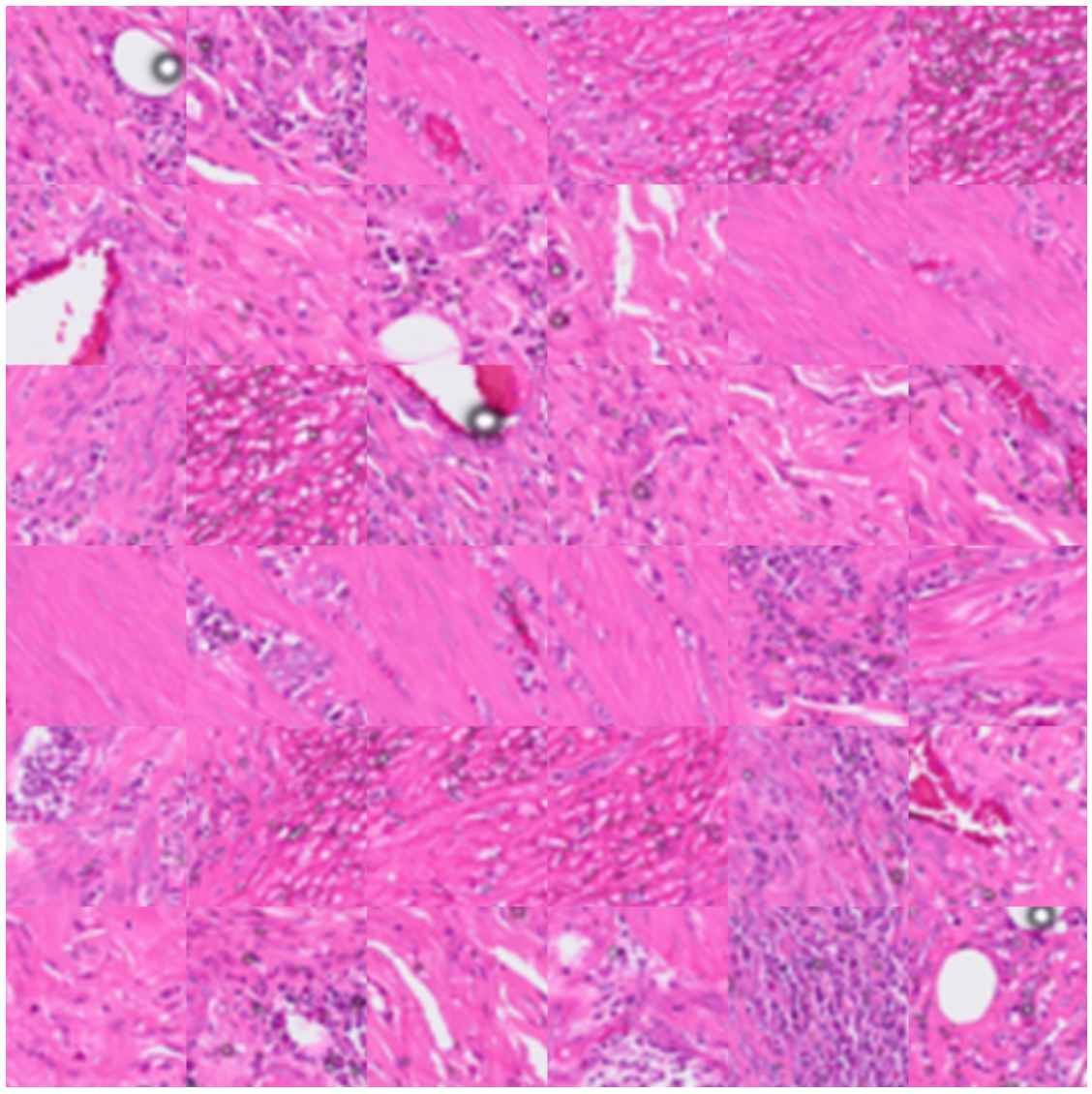
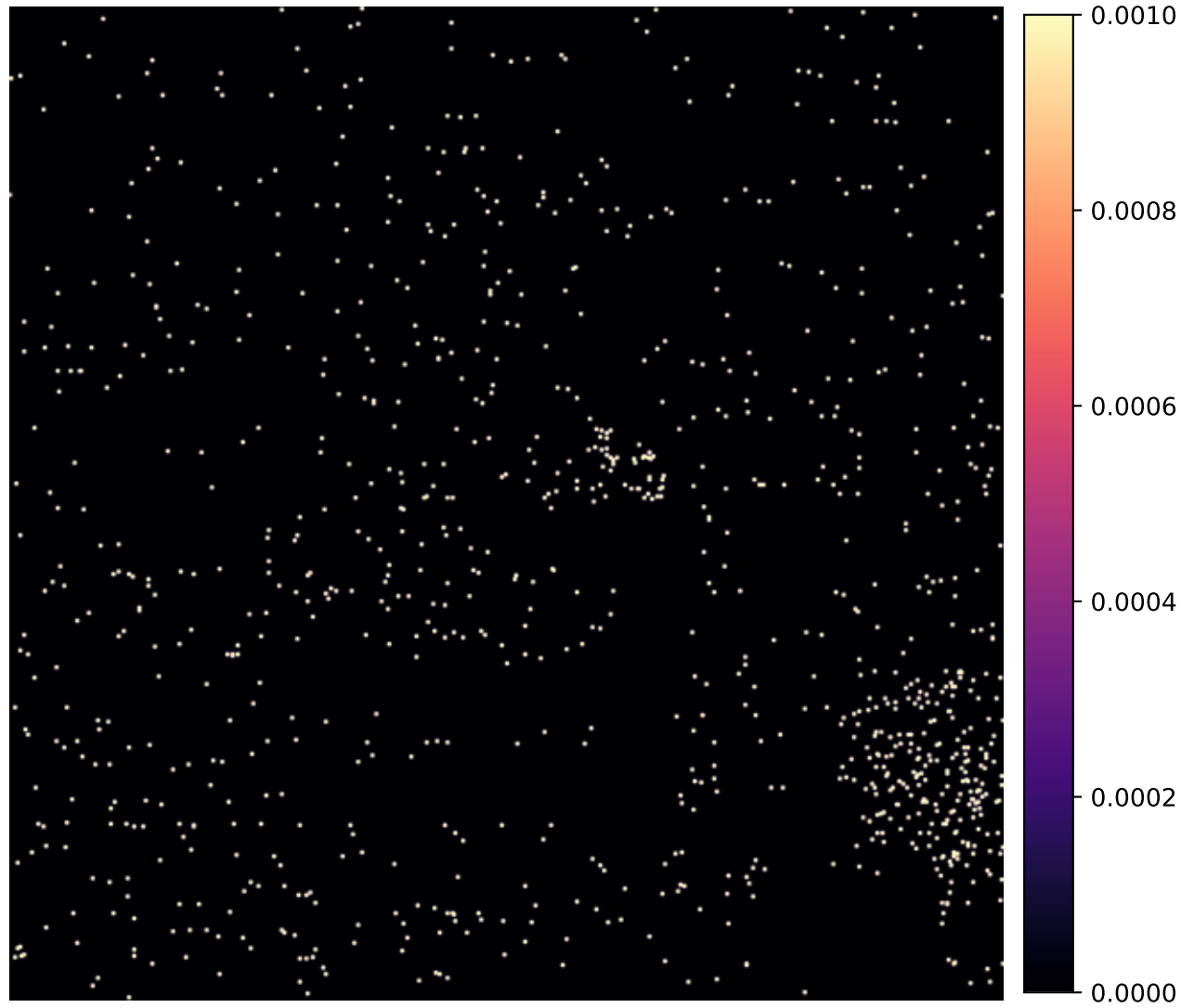
PIGR — Secretory Luminal Marker
Poisson improves 8µm PCC by +0.186 (MSE: 0.30 → Poisson: 0.48)

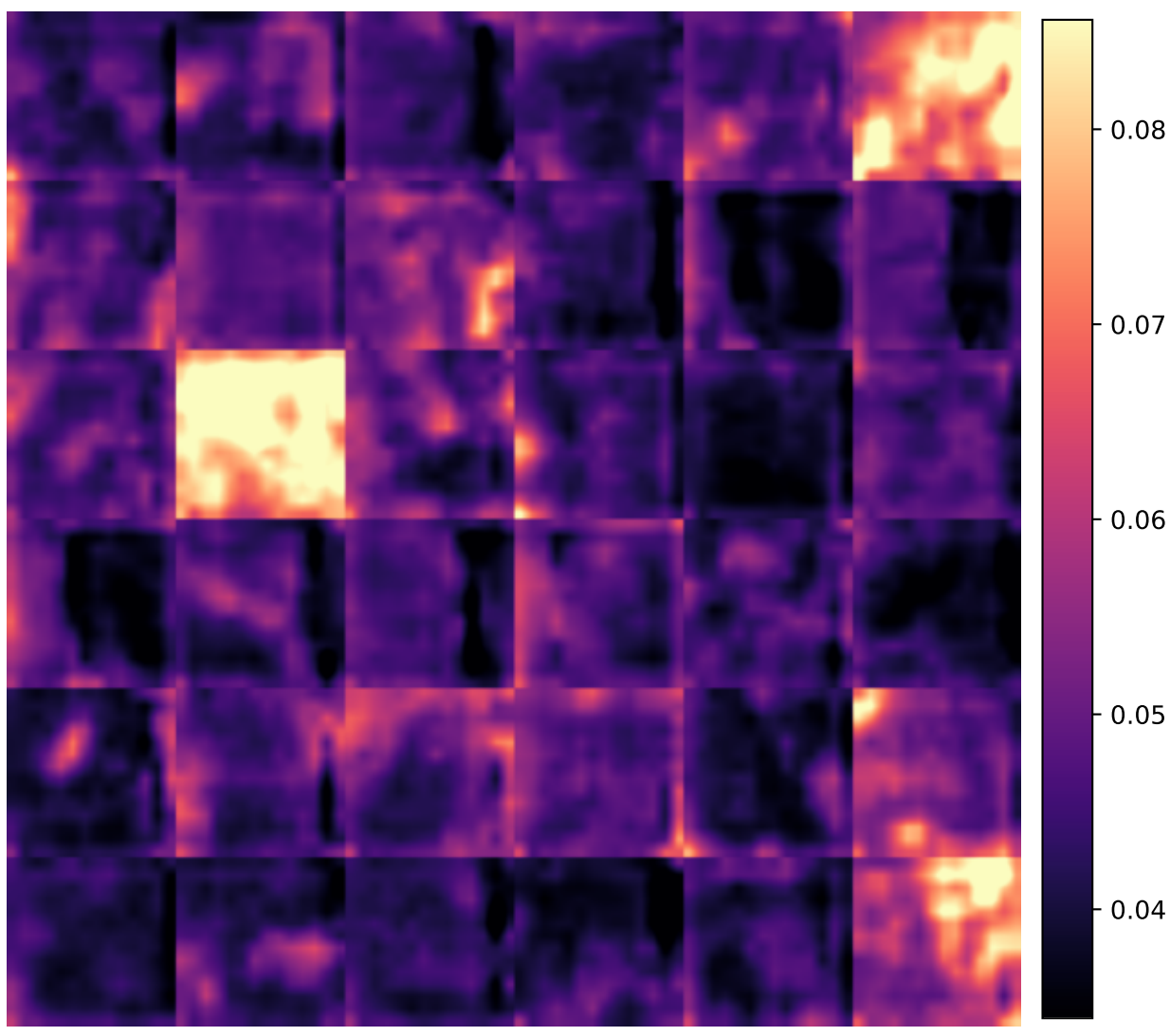
A. H&E Histology
(36 patches, 6×6 mosaic)



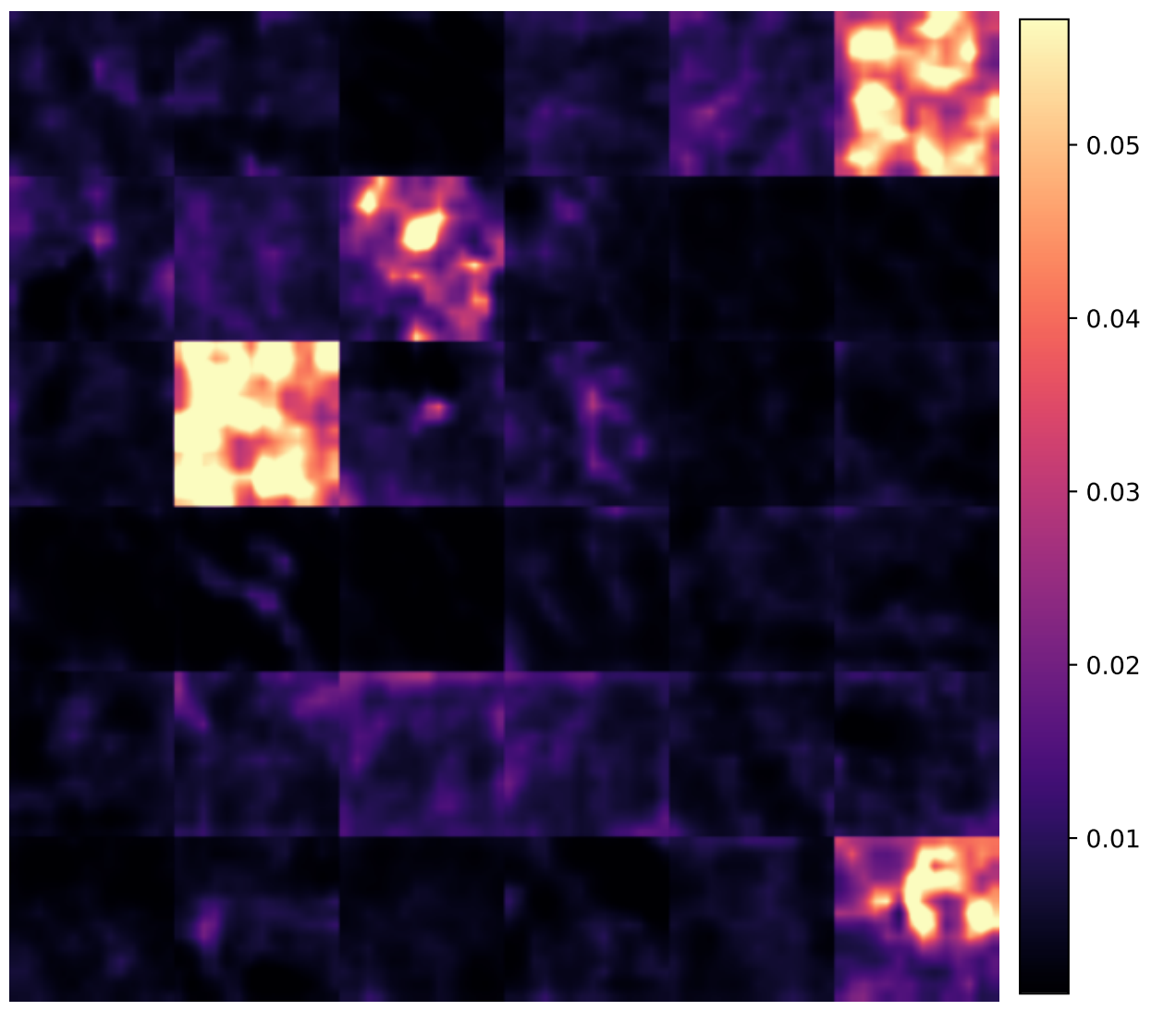
B. Ground Truth (2µm Visium HD)
UMI counts



C. Model D (MSE Loss)
$PCC_{2\mu m}$=0.29 | $SSIM_{2\mu m}$=0.25
$PCC_{8\mu m}$=0.30 | $SSIM_{8\mu m}$=0.00



D. Model E (Poisson Loss)
$PCC_{2\mu m}$=0.37 | $SSIM_{2\mu m}$=0.61
$PCC_{8\mu m}$=0.48 | $SSIM_{8\mu m}$=0.00



Gray regions = non-tissue mask | Per-panel optimal color scaling