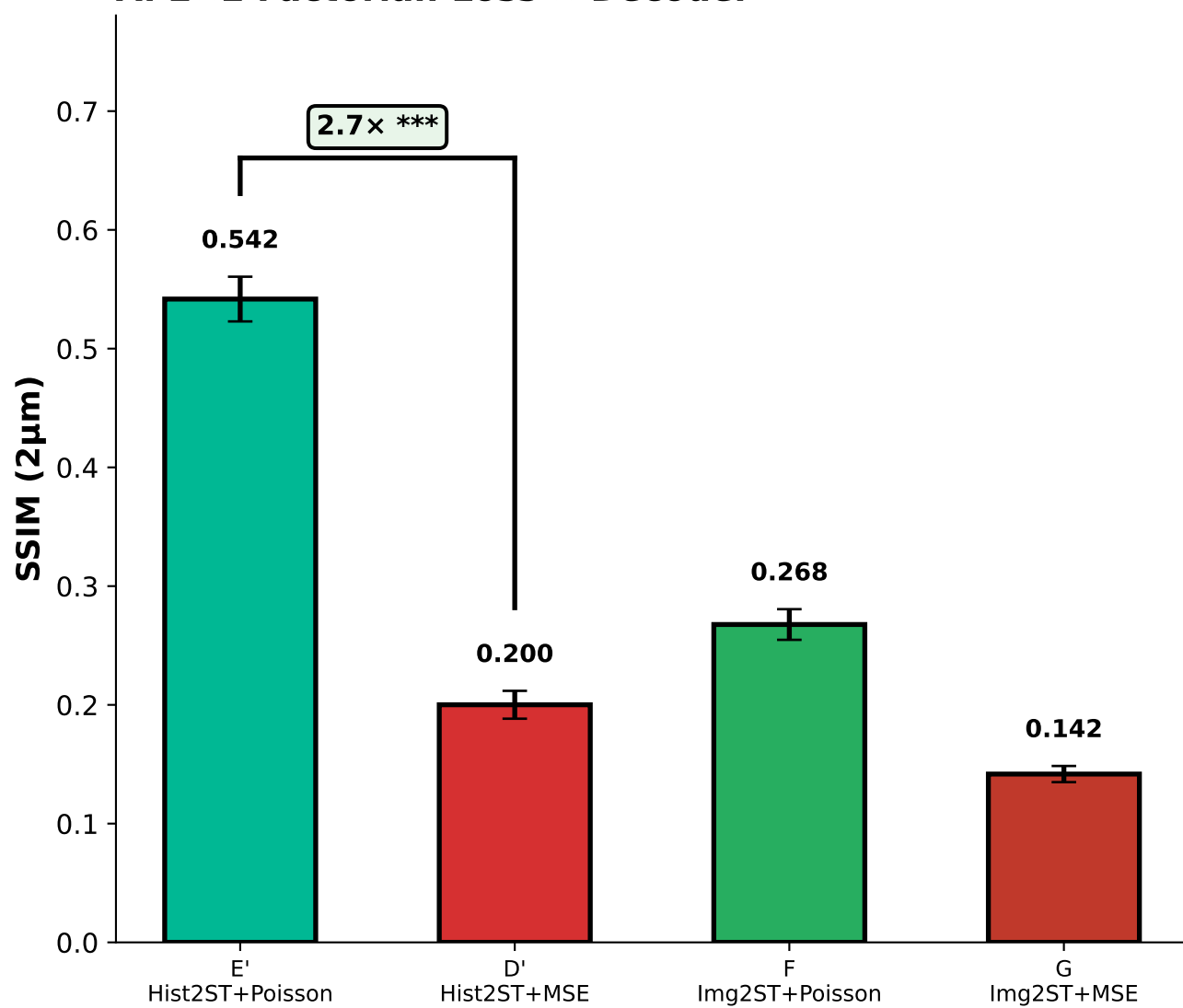
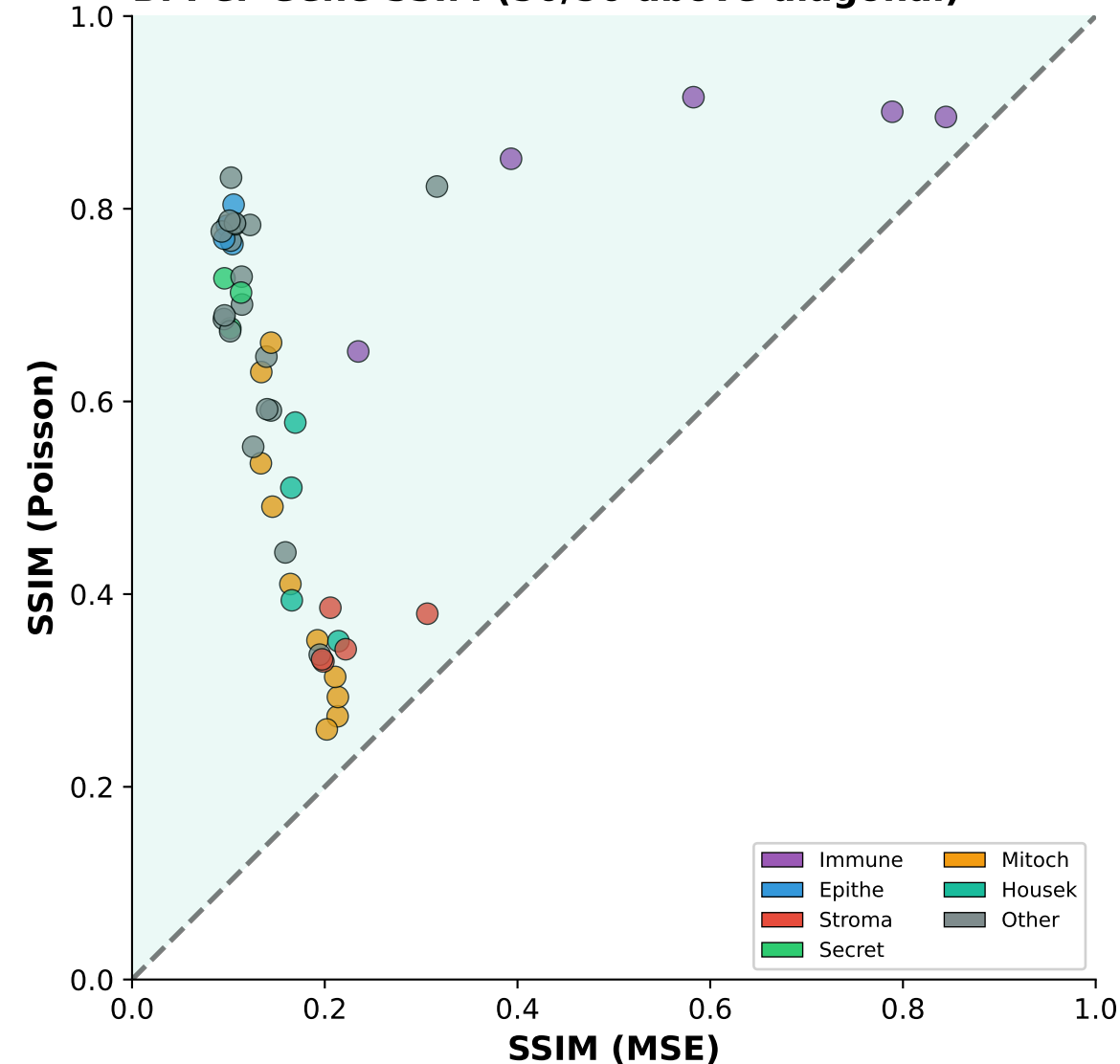
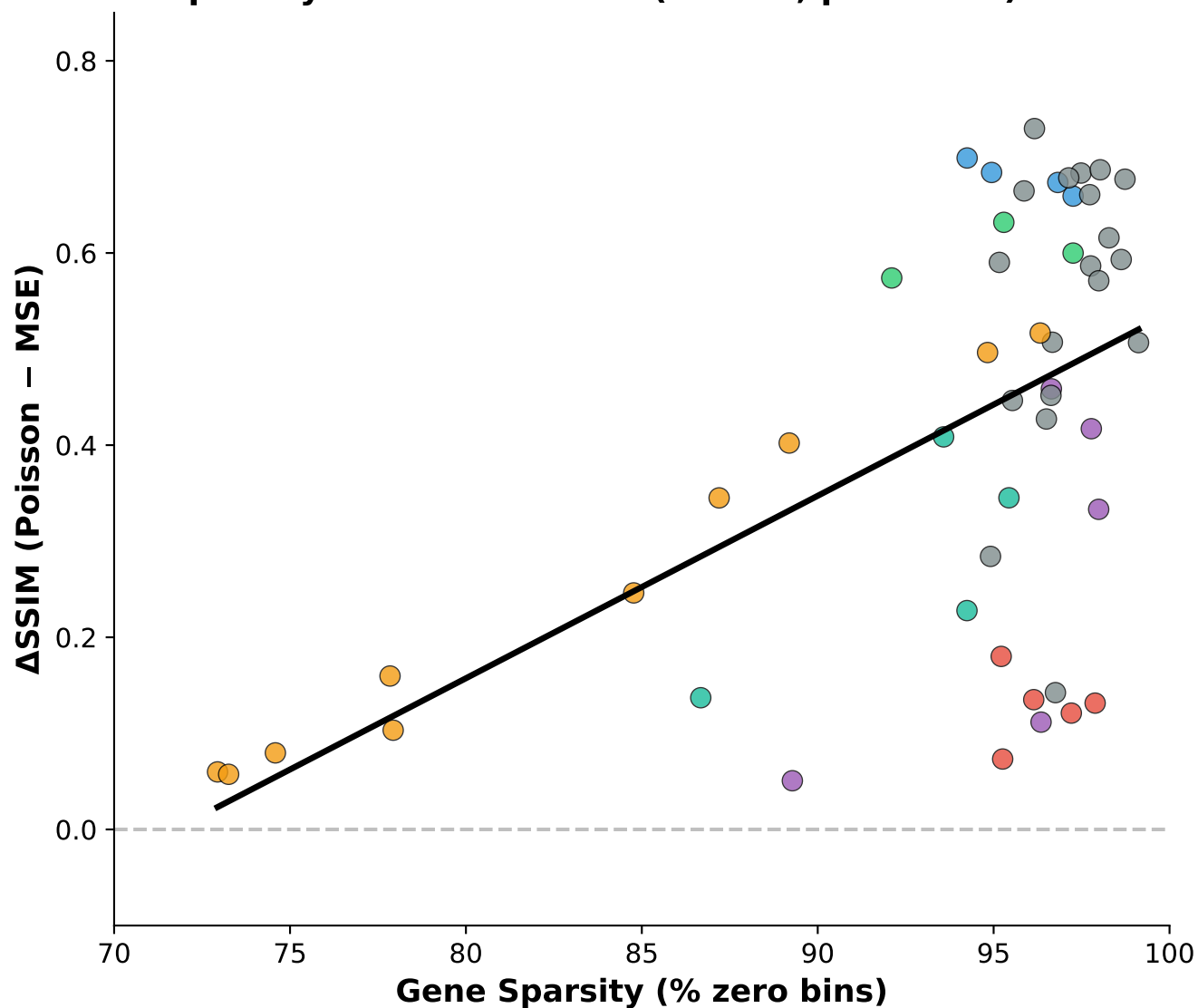


A. 2×2 Factorial: Loss × Decoder**B. Per-Gene SSIM (50/50 above diagonal)****C. Sparsity Predicts Benefit ($r=0.58$, $p<0.0001$)****D. Per-Gene Improvement Ranking**