

**Table 1: Complete 2×2 Factorial Results**

Model	Decoder	Loss	SSIM_2μm	PCC_2μm	PCC_8μm	Pred/Tgt	Epoch
D'	Hist2ST	MSE	0.227	0.309	0.457	2.0×	40
E'	Hist2ST	Poisson	<b>0.576</b>	0.313	0.466	1.0×	22
F	Img2ST	Poisson	0.388	0.298	0.441	1.0×	35
G	Img2ST	MSE	0.154	0.260	0.382	4.4×	36