High-resolution Medical Image Translation via Patch Alignment-Based Bidirectional Contrastive Learning Supplementary Materials

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Table S1. Complete results of our model with benchmark models using subsets in MIST, where the **best** and the second-best results are highlighted.

Dataset	Model	SSIM↑	PSNR↑	FID↓	LPIPS↓
$MIST_{ER}$	ASP	**0.2144**	14.1371	**41.0213**	0.5269
	Pyramid	0.1798	13.7419	108.1432	0.5589
	PPT(Ours)	0.2055	**14.369**	44.4146	**0.5209**
$MIST_{Ki67}$	ASP	0.2277	**14.5506**	**35.2744**	**0.5406**
	Pyramid	0.2037	13.8029	107.4027	0.5570
	PPT(Ours)	**0.2298**	14.4323	38.4498	0.5413
$MIST_{PR}$	ASP	0.2089	14.2606	**50.6614**	0.5288
	Pyramid	0.1912	13.9487	106.7259	0.5538
	PPT(Ours)	**0.2498**	**15.1536**	51.7449	**0.5239**

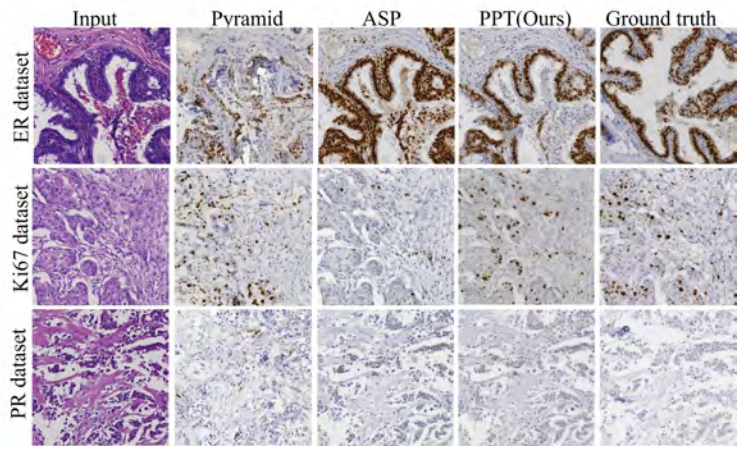

Fig. S1. Complete comparisons with benchmarks on subsets in MIST.

Table S2. Expert evaluation accuracy(%) on CD3 and PAX5 dataset. Specifically, staining intensity, cellular localization, cellular distribution, quantification, and morphological correlation are denoted as SI, CL, CD, QU, and MC, respectively.

Dataset	Expert	SI	CL	CD	QU	MC
CD3	P1	98.45	99.23	60.39	62.06	61.03
	P2	76.77	61.81	63.35	63.35	66.19
	Avg	87.61	80.52	61.87	62.71	63.61
PAX5	P1	95.83	96.44	50.67	51.41	50.18
	P2	72.64	58.04	56.44	56.93	57.55
	Avg	84.23	77.24	53.56	54.17	53.87

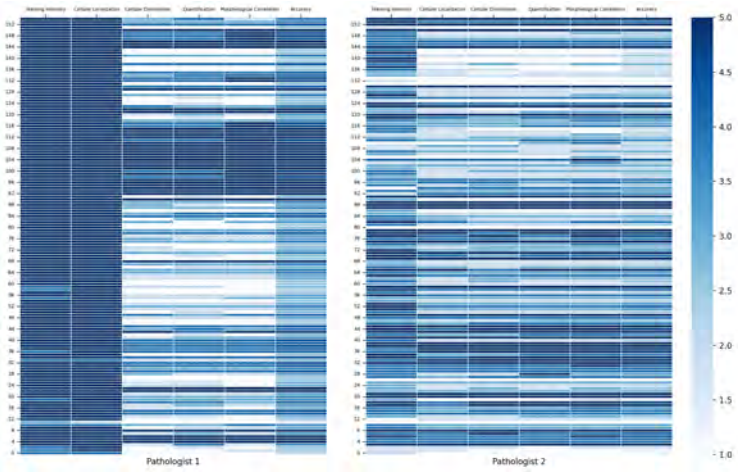

Fig. S2. Expert evaluation of CD3 stained images.

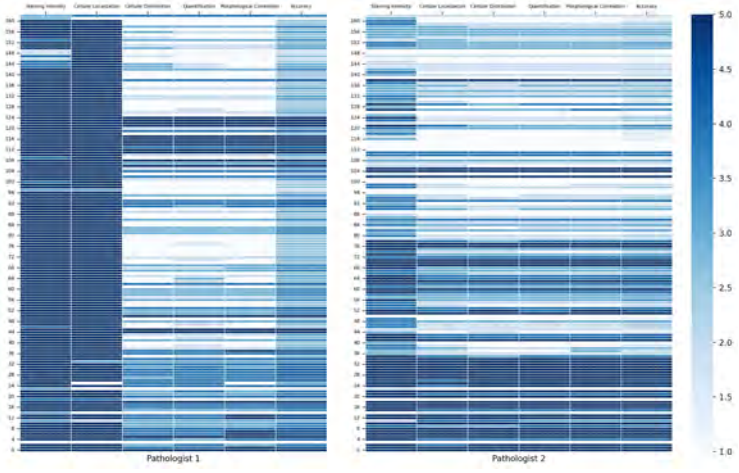

Fig. S3. Expert evaluation of PAX5 stained images.