

Supplemental Table 4. Subgroup analysis of intra-observer agreements, comparing two rating methods, respectively. Agreements of positive tumor ratio were compared using OCCC, Pearson's correlation coefficient, and the number of discordant ratings with respect to the 10% cutoff. Agreements of staining intensities were calculated as kappa values.

Methods compared	Board-certified pathologists (n=6)				Residents (n=4)			
	Agreement of positive tumor ratio			Agreement of staining intensity	Agreement of positive tumor ratio			Agreement of staining intensity
	OCCC	Pearson's correlation coefficient	Number of disagreements	Kappa	OCCC	Pearson's correlation coefficient	Number of disagreements	Kappa
Microscopy versus virtual microscopy	0.687	0.698 (p<0.001)	10	0.548±0.086 (p<0.001)	0.605	0.630 (p<0.001)	10	0.435±0.111 (p<0.001)
Plain virtual microscopy versus virtual microscopy with area outlining assistance	0.674	0.682 (p<0.001)	8	0.568±0.084 (p<0.001)	0.587	0.639 (p<0.001)	10	0.417±0.111 (p<0.001)
Microscopy versus virtual microscopy with area outlining	0.582	0.603 (p<0.001)	10	0.592±0.083 (p<0.001)	0.760	0.766 (p<0.001)	8	0.484±0.108 (p<0.001)