Supplemental Table 3. Subgroup analysis of inter-observer agreements between pathologists using one method of rating, respectively. Positive tumor ratios were compared using the mean of standard deviations, OCCC*), and number of discordant ratings with respect to the 10% cutoff. Staining intensities were compared using Fleiss' kappa.

	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**
Method	**OCCC*)**	**Mean of standard deviations [%] (range)**	**Number of specimens with 10% cut-off disagreements**	**Fleiss' kappa**	**OCCC*)**	**Mean of standard deviations [%] (range)**	**Number of specimens with 10% cut-off disagreements**	**Fleiss' kappa**
Microscope	0.688	11.4	4	0.47 (p<0.001)	0.723	12.2	4	0.36 (p<0.001)
Virtual microscopy	0.632	11.8	5	0.45 (p<0.001)	0.466	14.2	7	0.37 (p<0.001)
Virtual microscopy with outlining assistance and visual estimation of positive tumor ratio	0.574	14.3	5	0.51 (p<0.001)	0.774	11.0	5	0.24 (p<0.001)
Virtual microscopy with outlining assistance and calculation of positive tumor ratio	0.600	13.5	6		0.799	9.5	4	

*) Overall concordance correlation coefficient