

Supplementary: Decoding the visual attention of pathologists to reveal their level of expertise

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Table 1: Pathologist expertise classification performance (2-way, i.e. specialists/non-specialists), using temporal heatmaps, magnification-wise heatmaps and a combination of both via 5-fold cross validation on our attention dataset. Combining both heatmap types yields the best results.

Model	Accuracy	F1-score	AUC score
Random	0.500 ± 0.000	0.500 ± 0.000	0.250 ± 0.000
ExpertiseNet (w/ Temporal heatmaps)	0.763 ± 0.013	0.763 ± 0.016	0.764 ± 0.015
ExpertiseNet (w/ Magnification heatmaps)	0.787 ± 0.008	0.785 ± 0.011	0.785 ± 0.001
ExpertiseNet (w/ Temporal + Magnification heatmaps)	0.806 ± 0.023	0.806 ± 0.024	0.806 ± 0.028