Supplemental Figure S5 Validation of lymphocyte detection results in Supplemental Figure 4. **(A)** Detected lymphocytes from H&E stained images, **(B)** CD3 IHC stained image, **(C)** DAB channel of CD3 IHC staining, **(D)** Overlapping detected lymphocytes by a Mask R-CNN model from H&E stained images with DAB channel of CD3 IHC staining.

