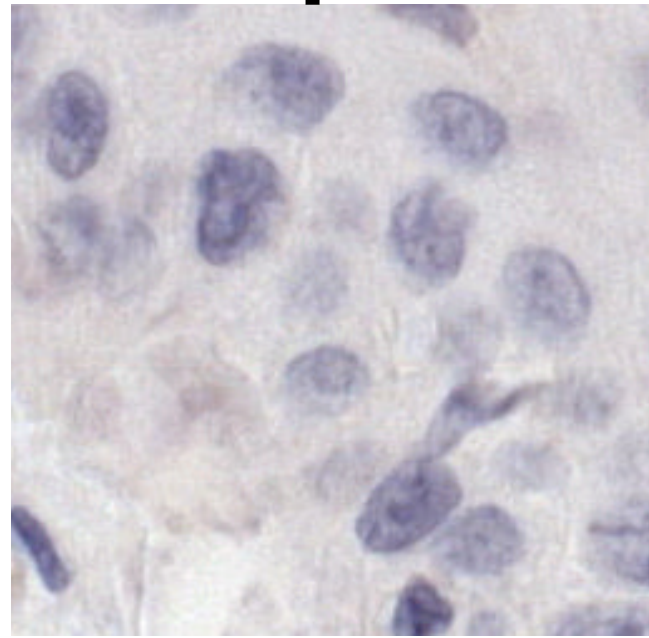
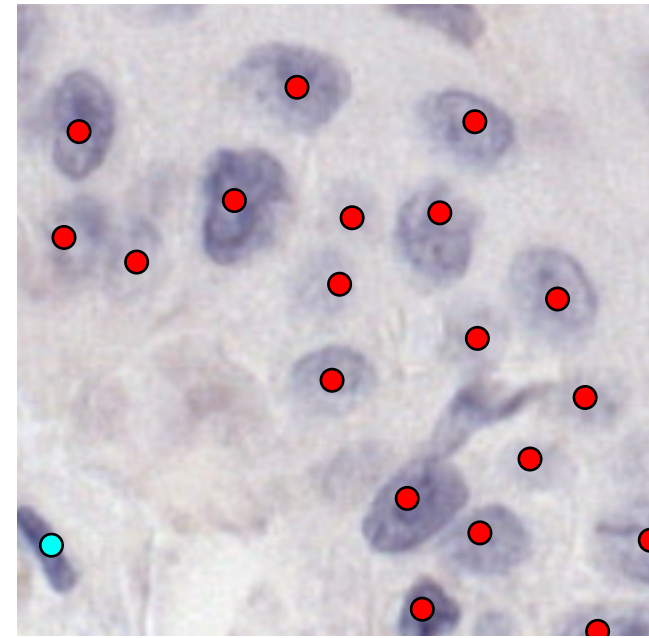


■ PD-L1- tumor    ■ PD-L1+ tumor    ■ PD-L1- immune    ■ PD-L1+ immune

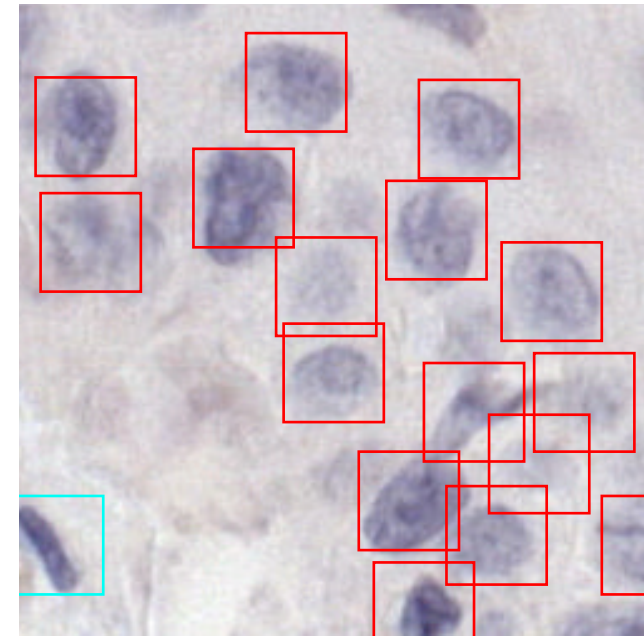
**Input**



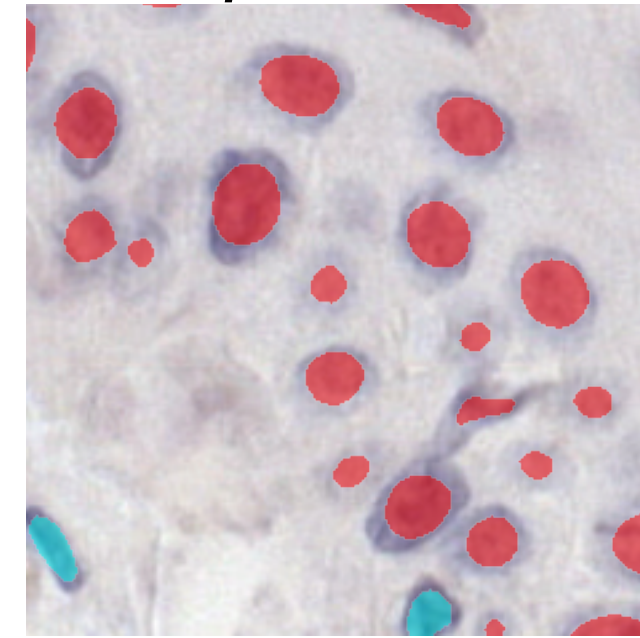
**GT**



**YOLOv5**



**$\mu$ PEN**



**Attention model output**

