

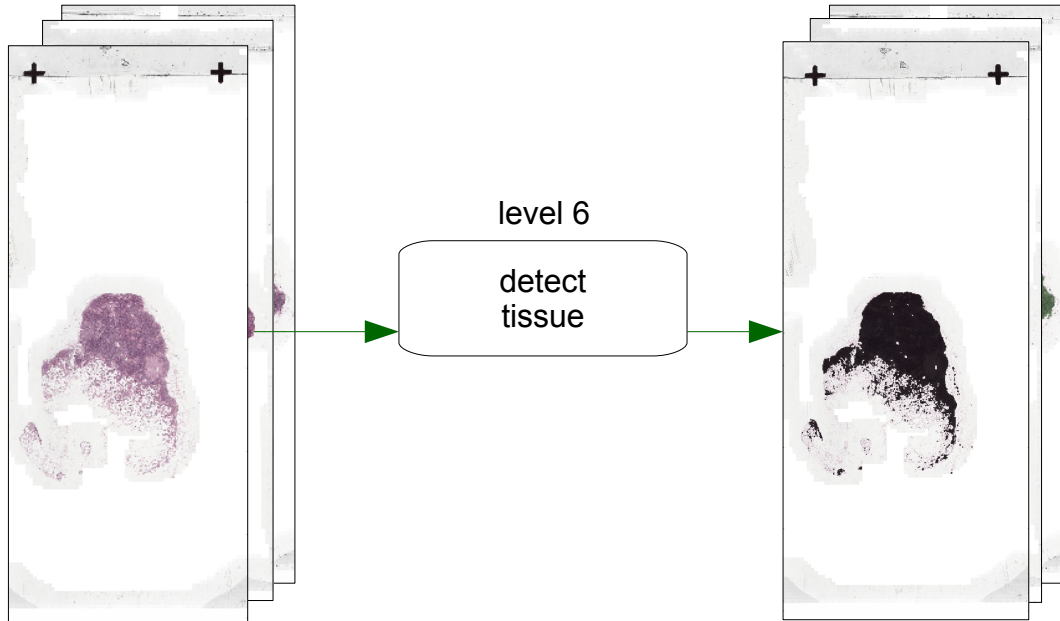
# Cancer Metastasis Detection in Lymph Nodes by

**ExB Team**

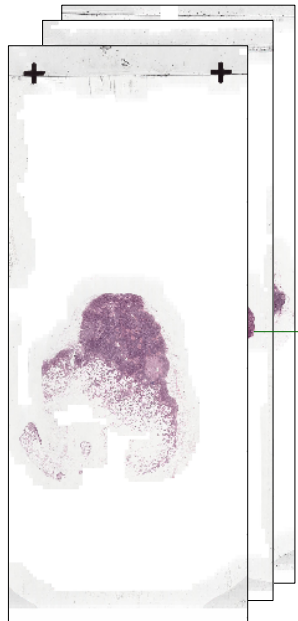
Christian Hass, Urko Sánchez, Tony Mey, Ivan  
Vasilev, **Elia Bruni**



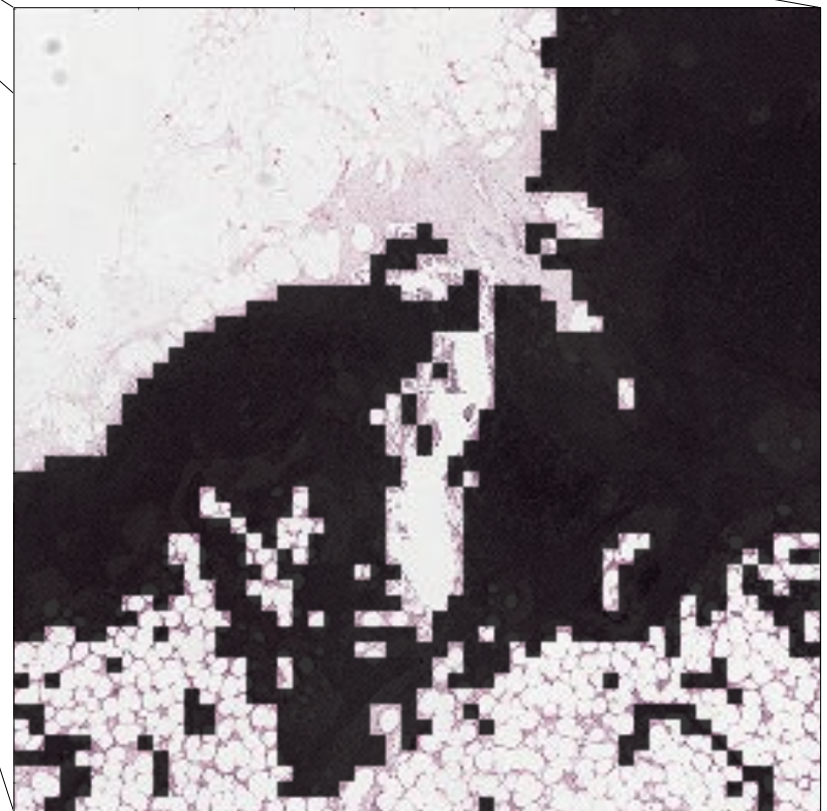
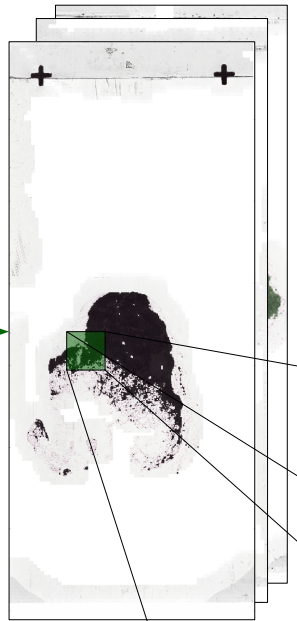
training →



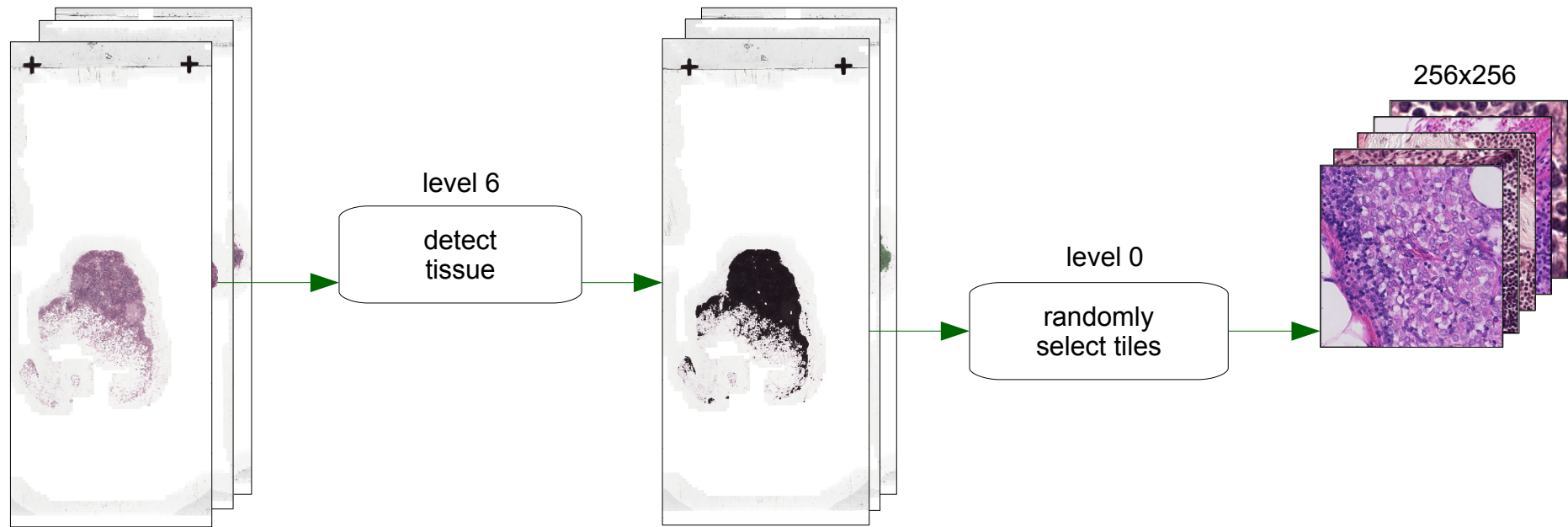
training →



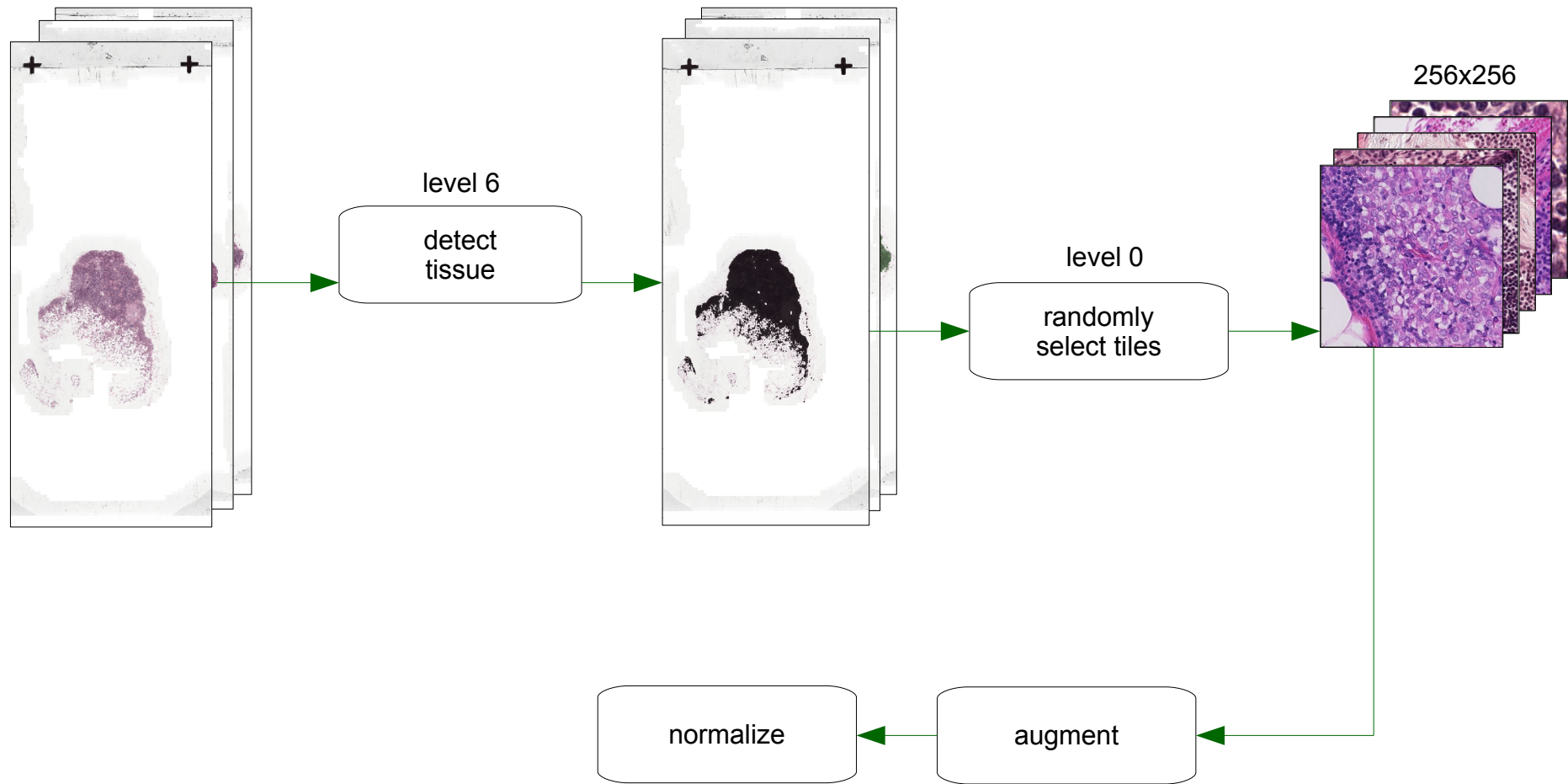
level 6  
detect  
tissue



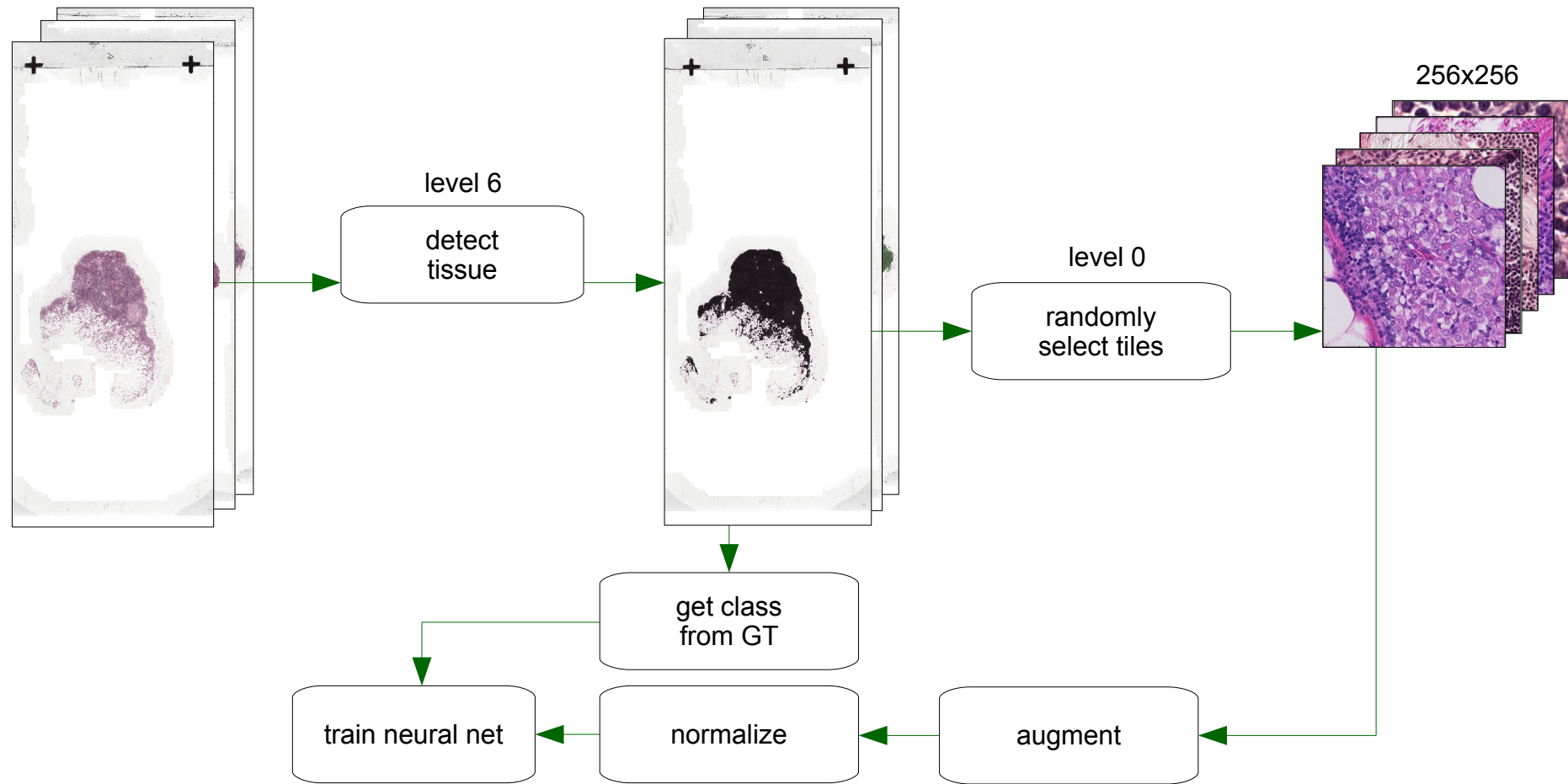
training →



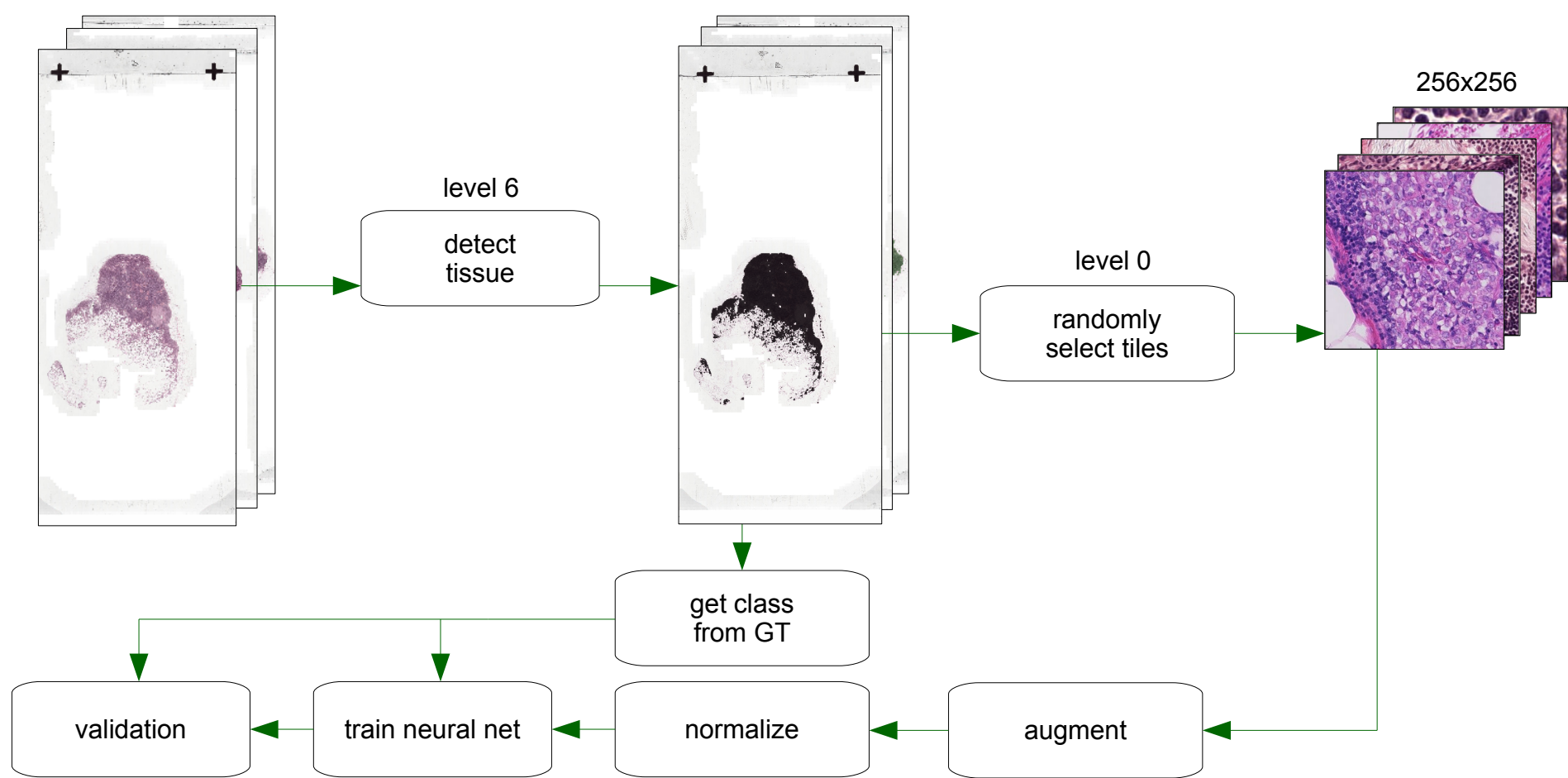
training →



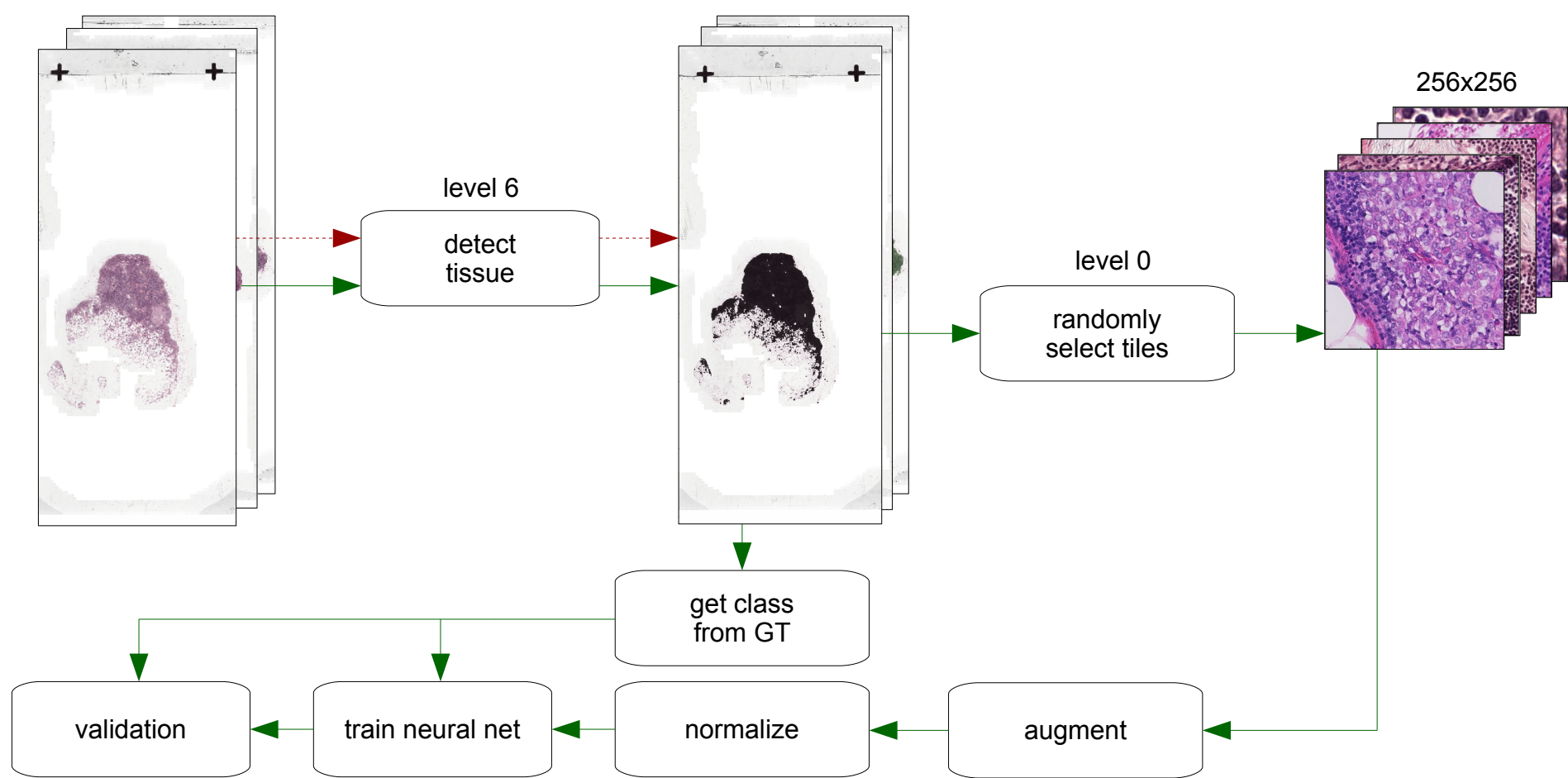
training →

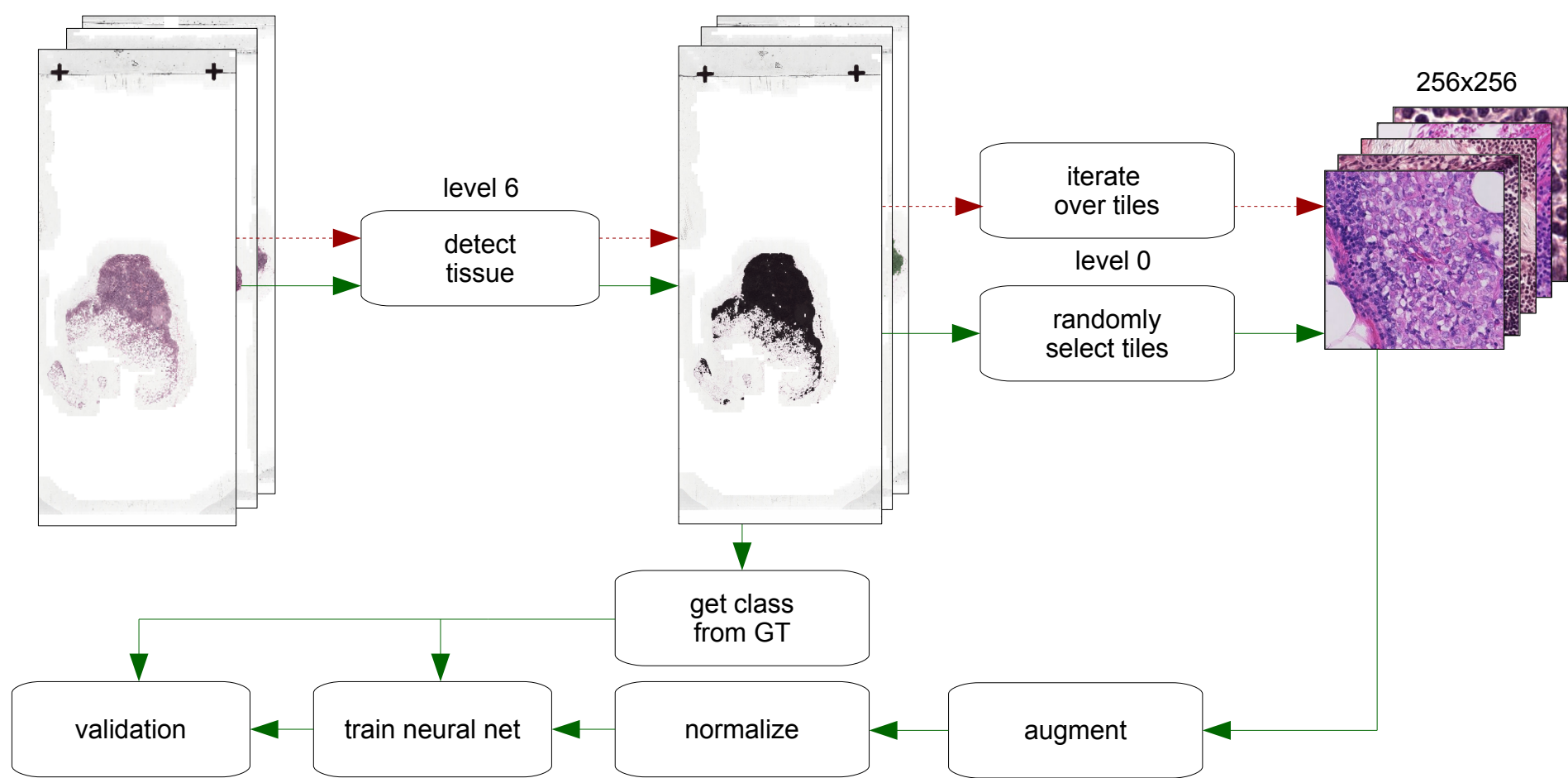


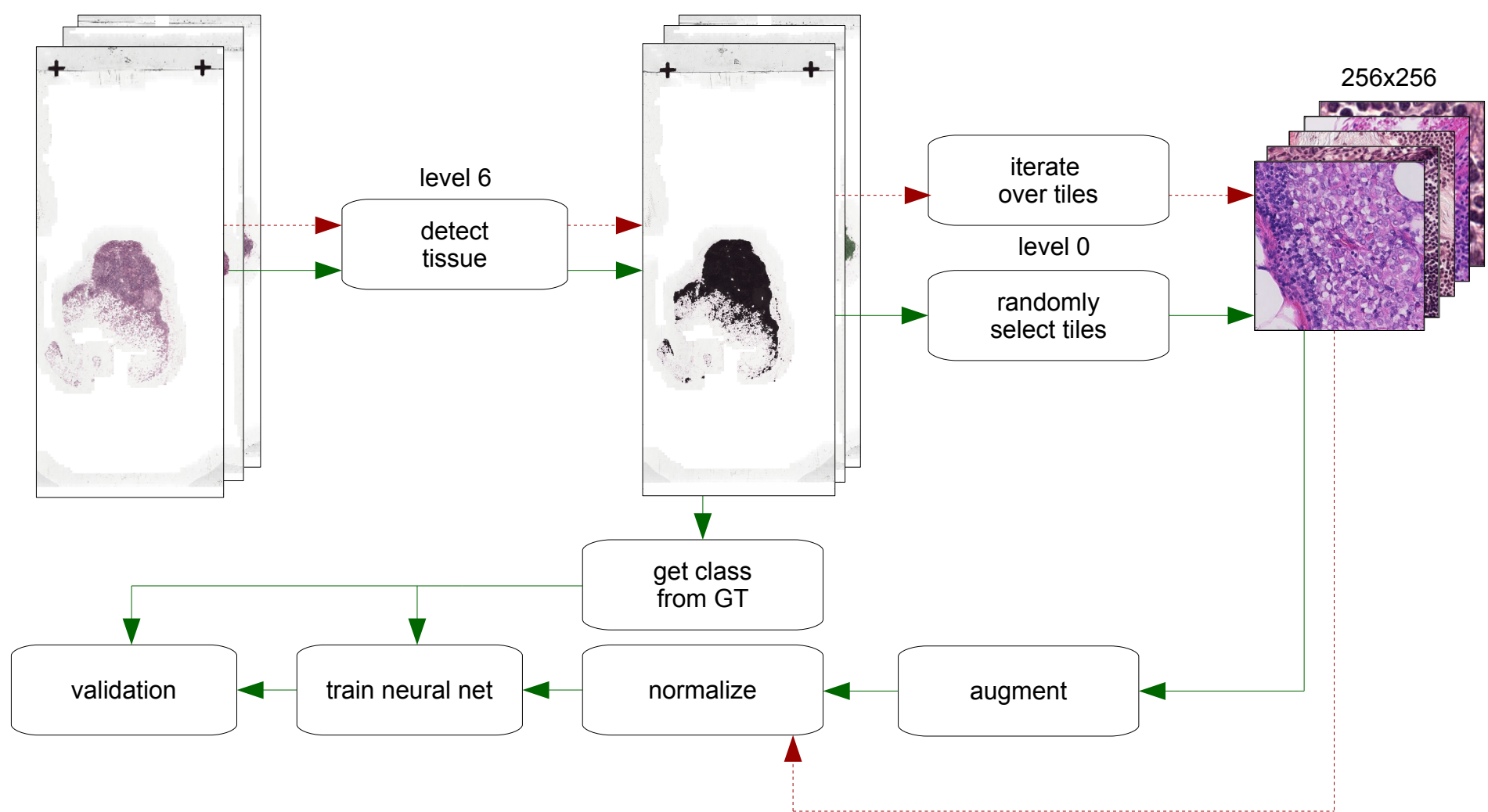
training →

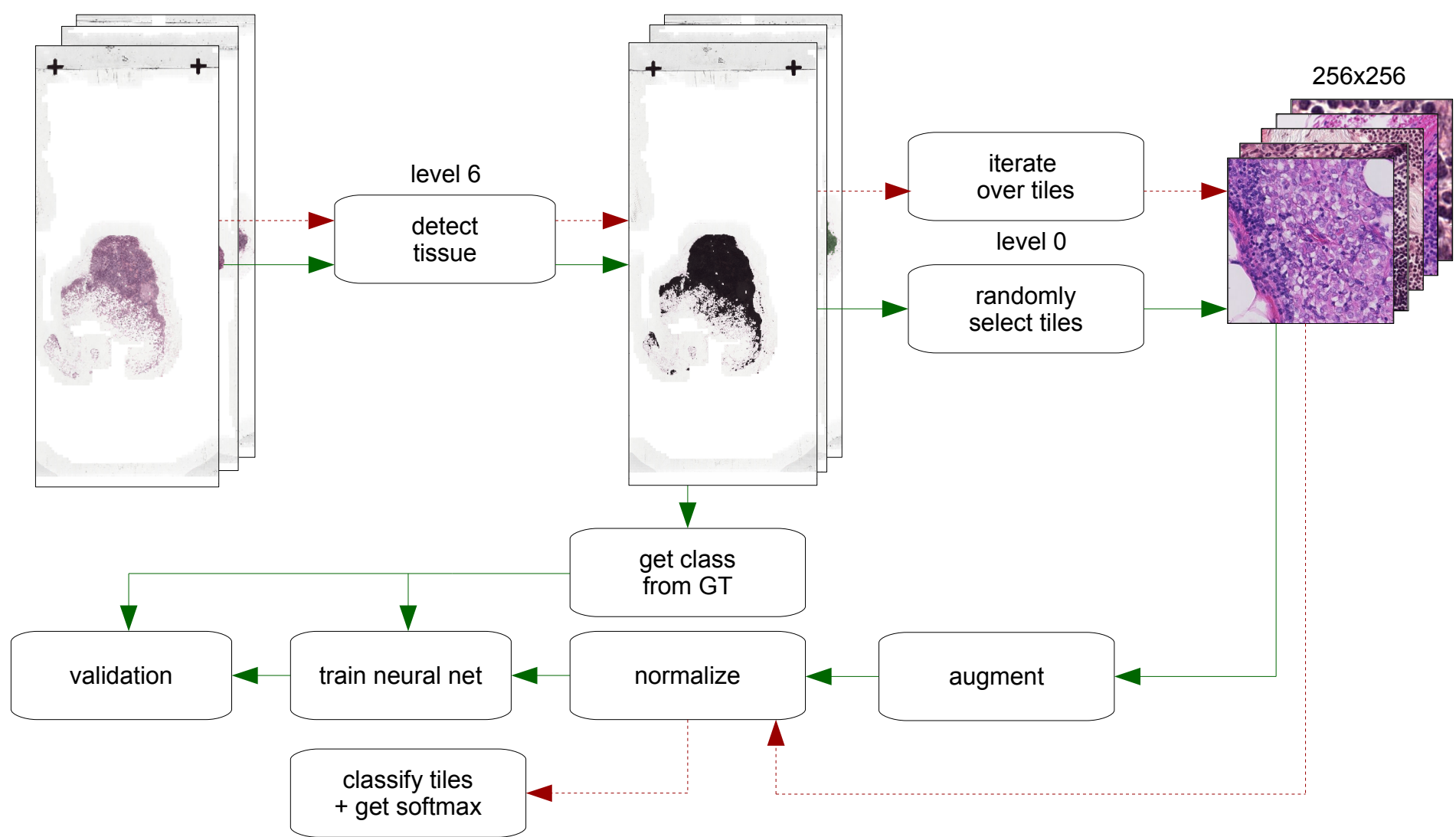


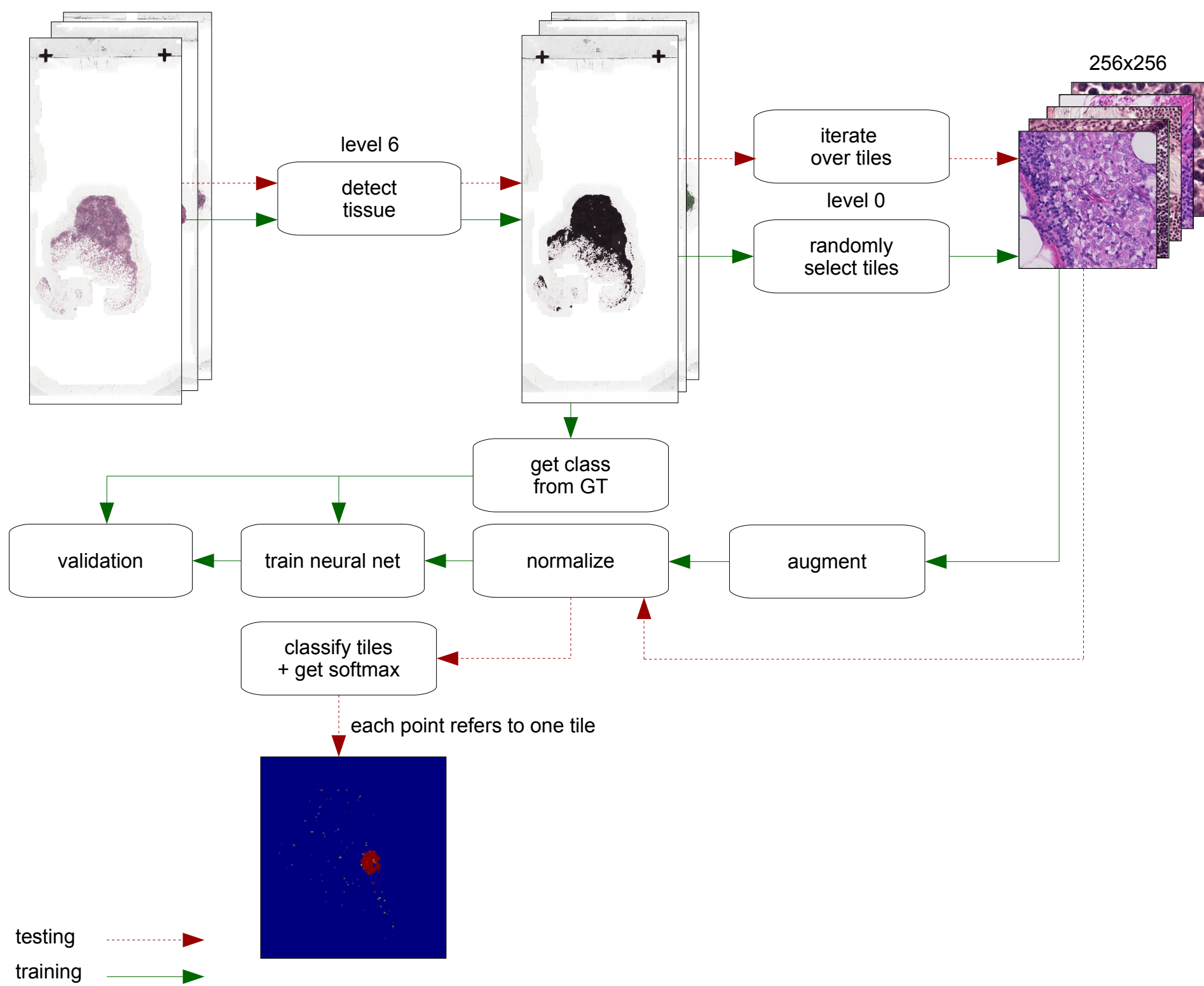


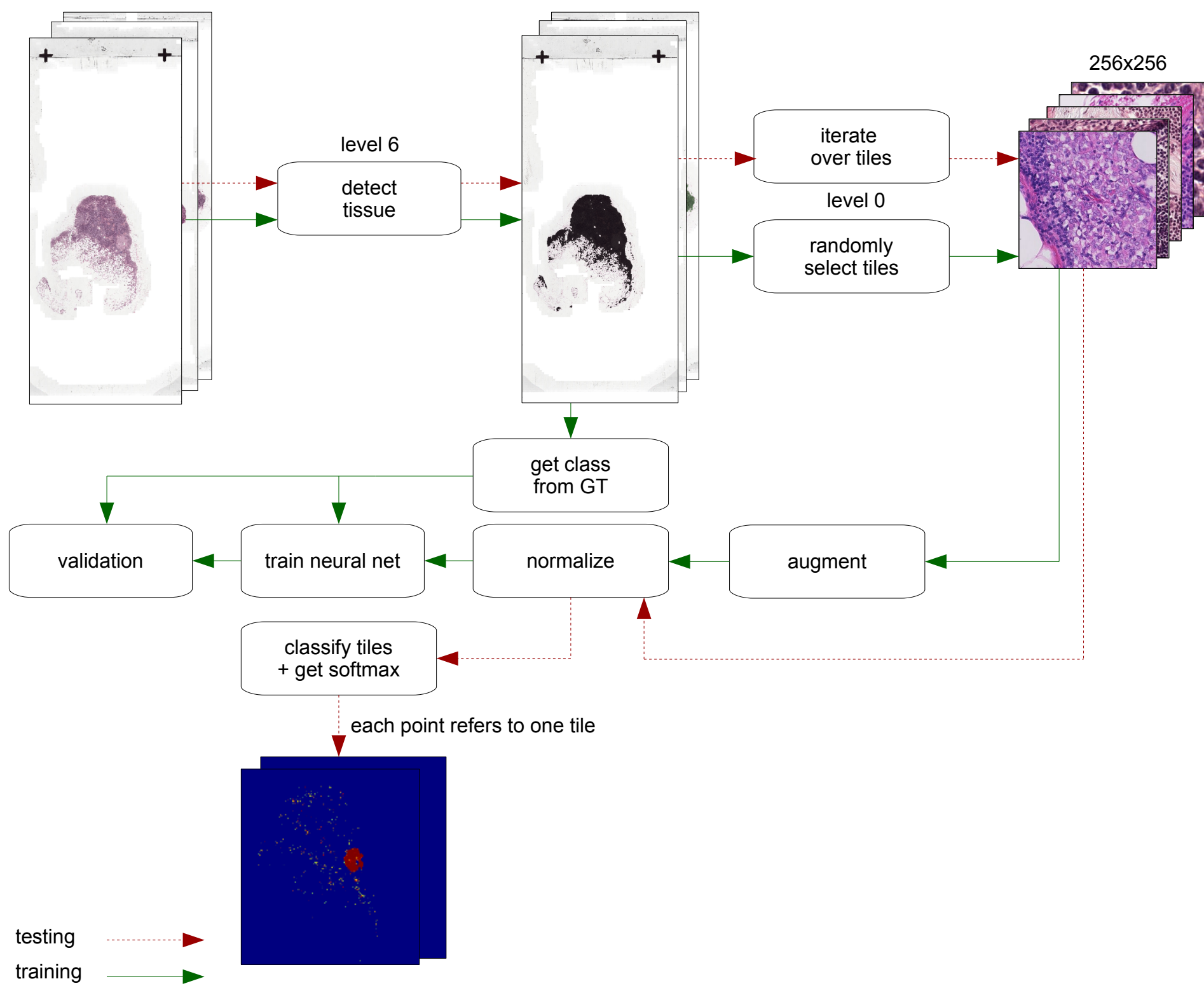


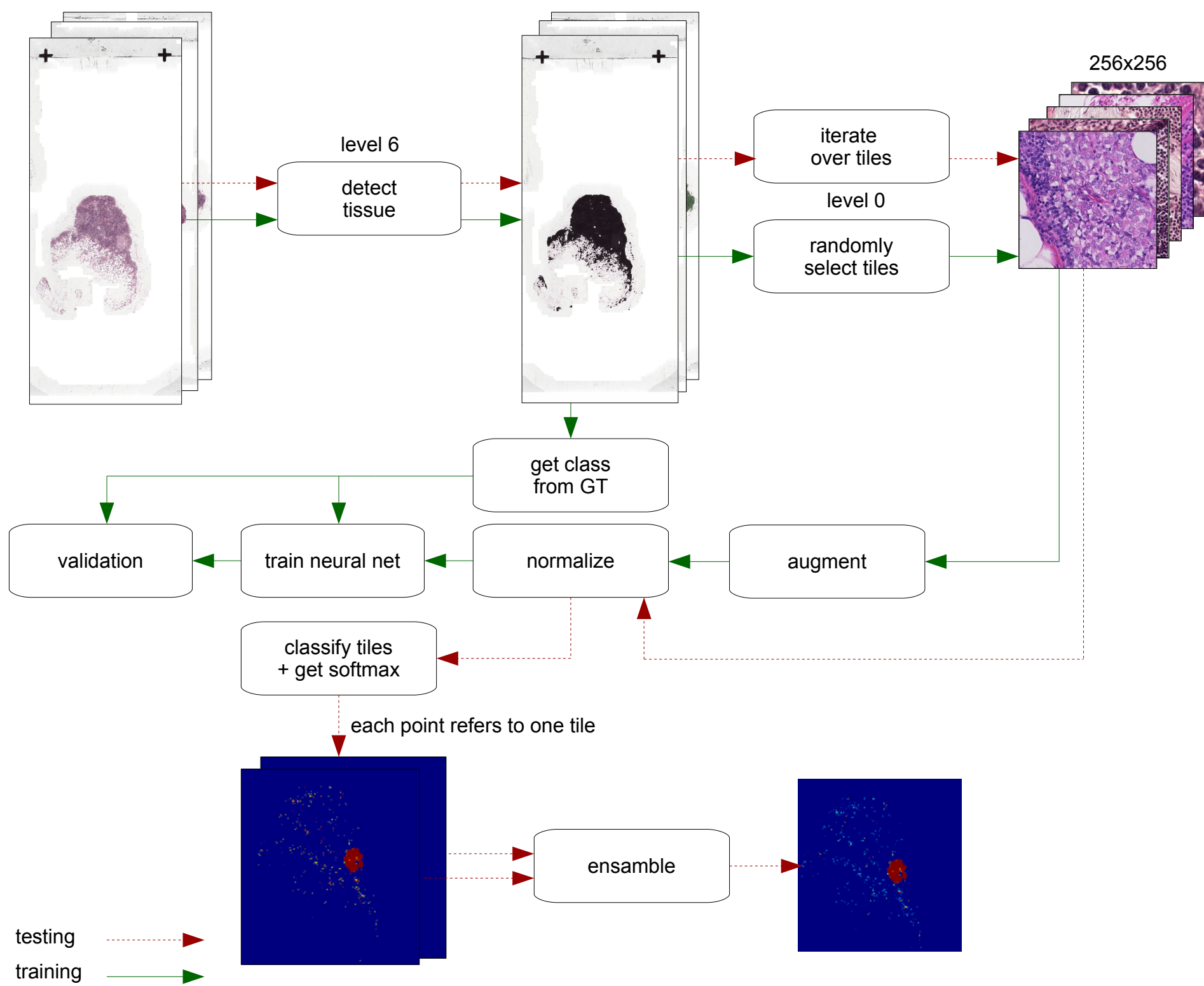


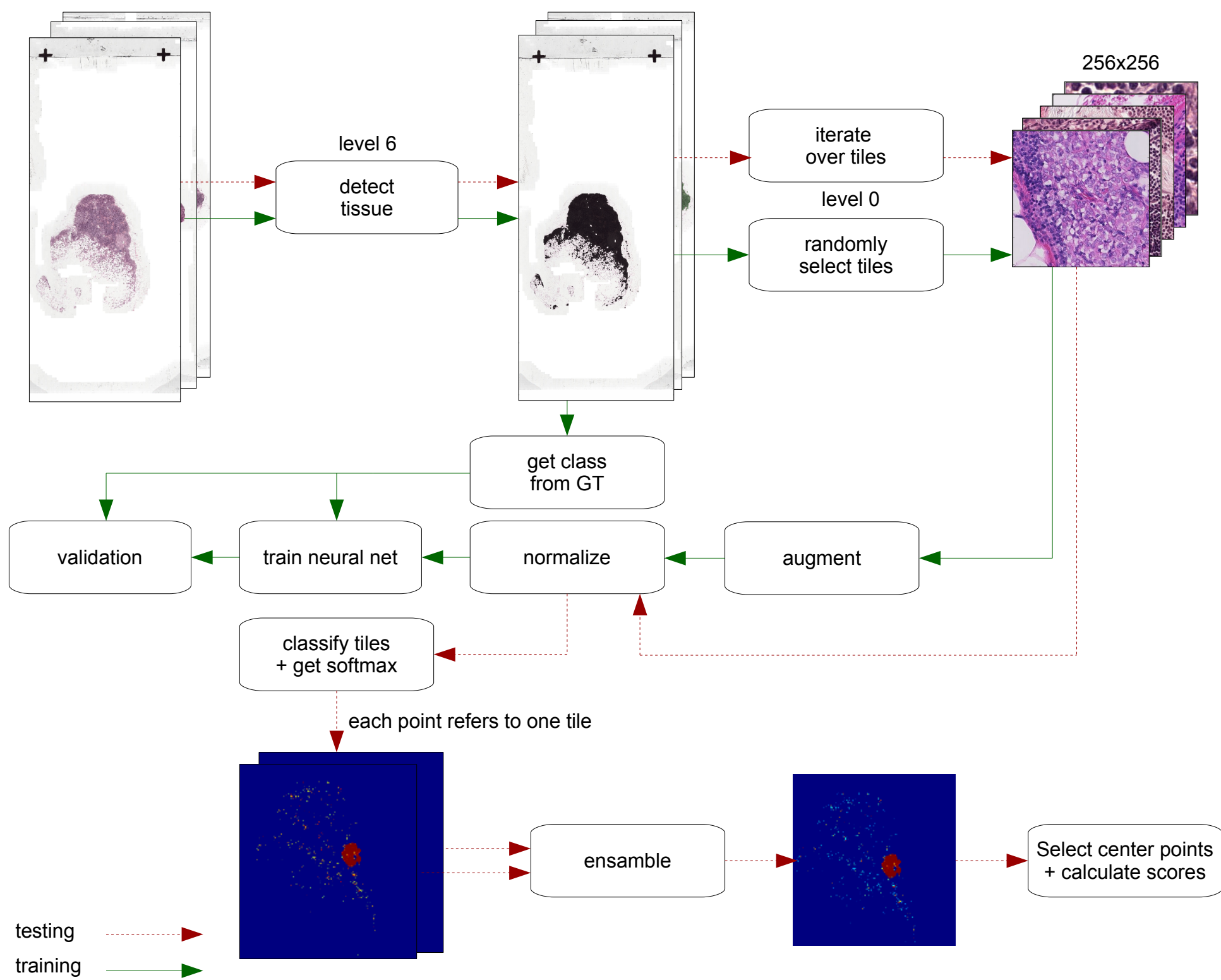








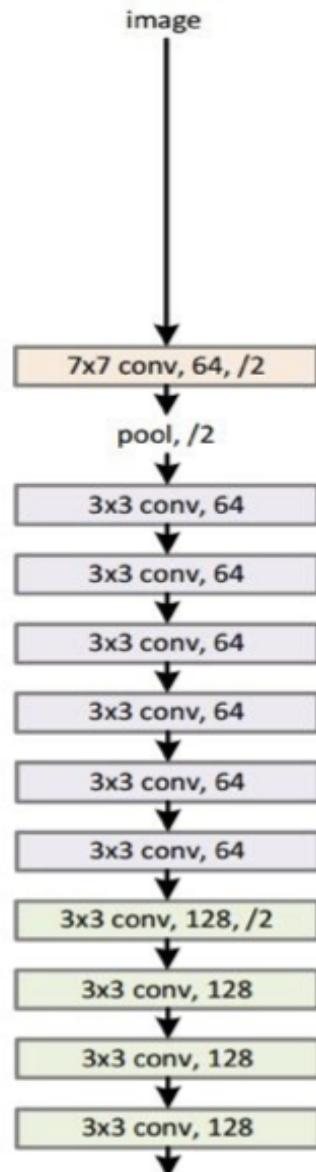




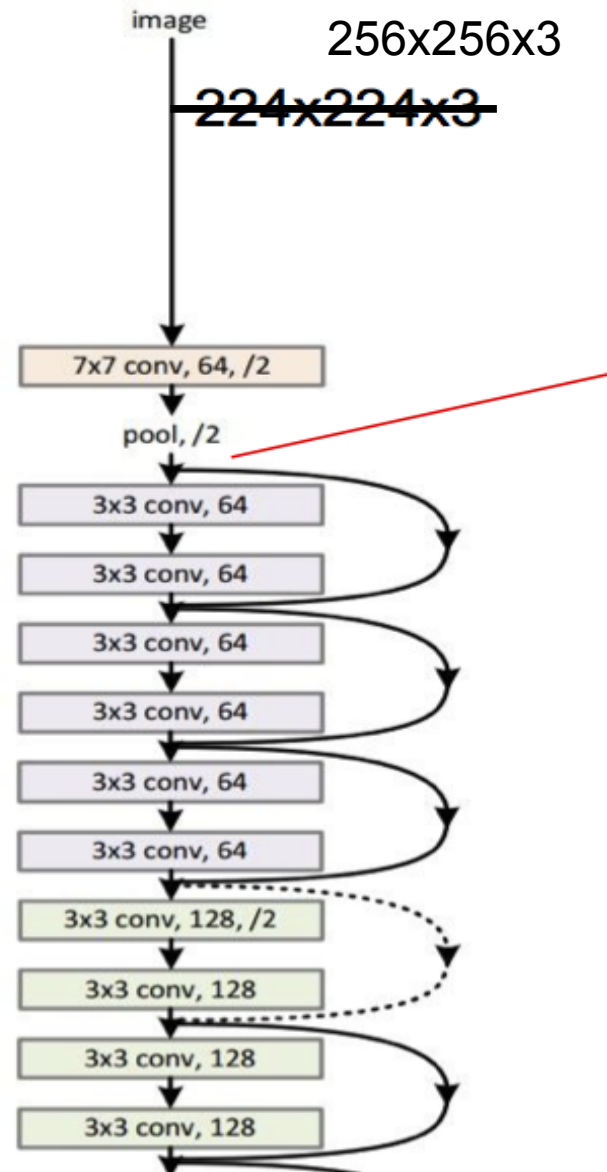


# ResNet-like architecture

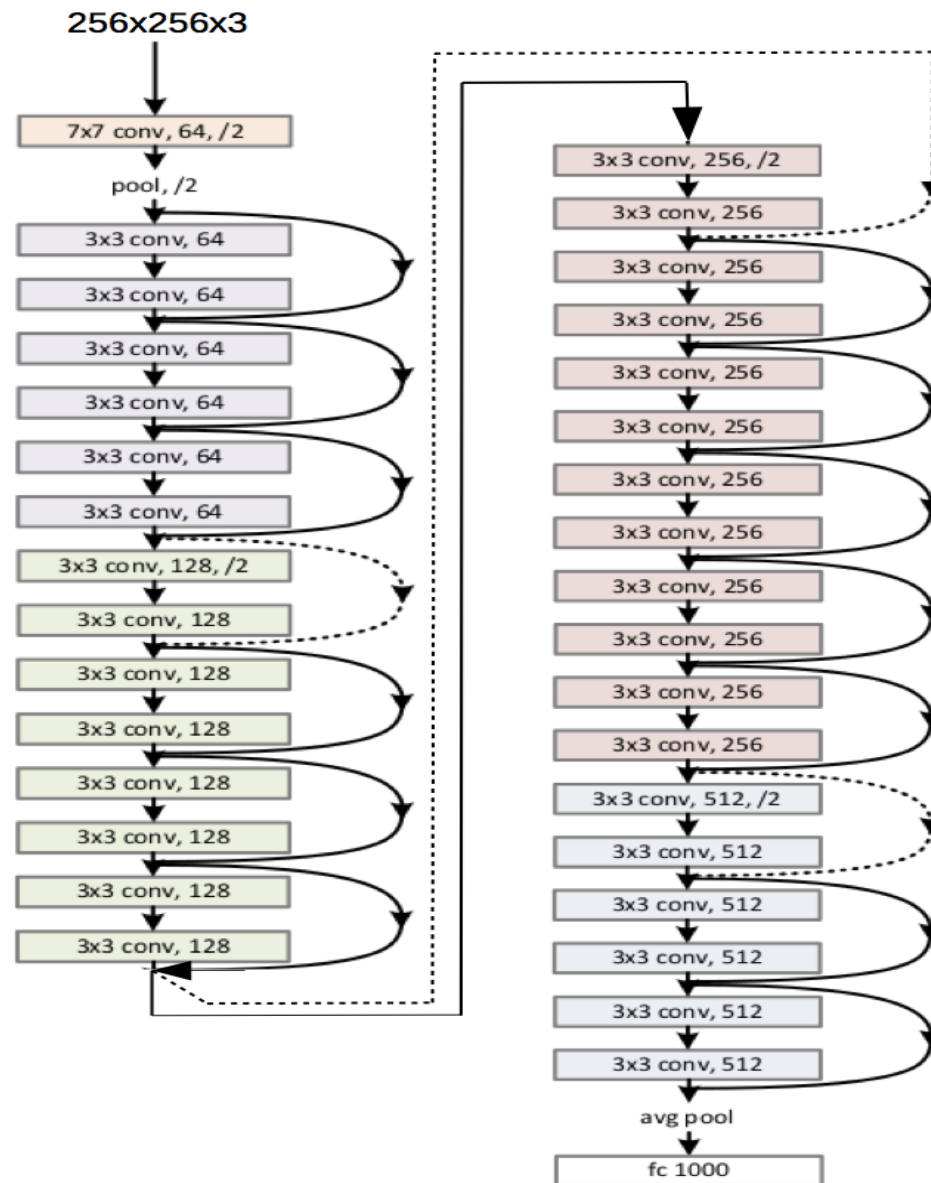
34-layer plain



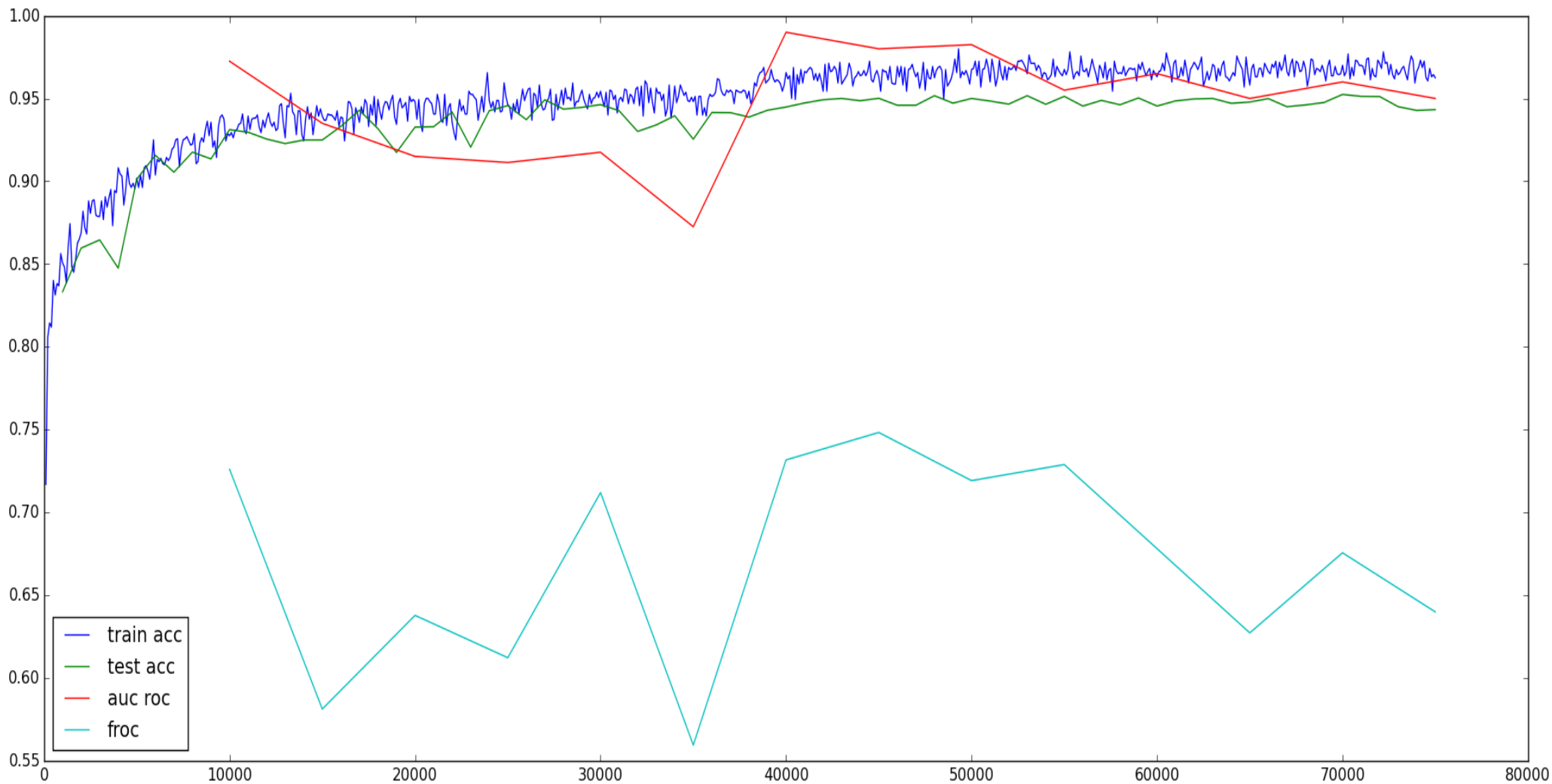
34-layer residual



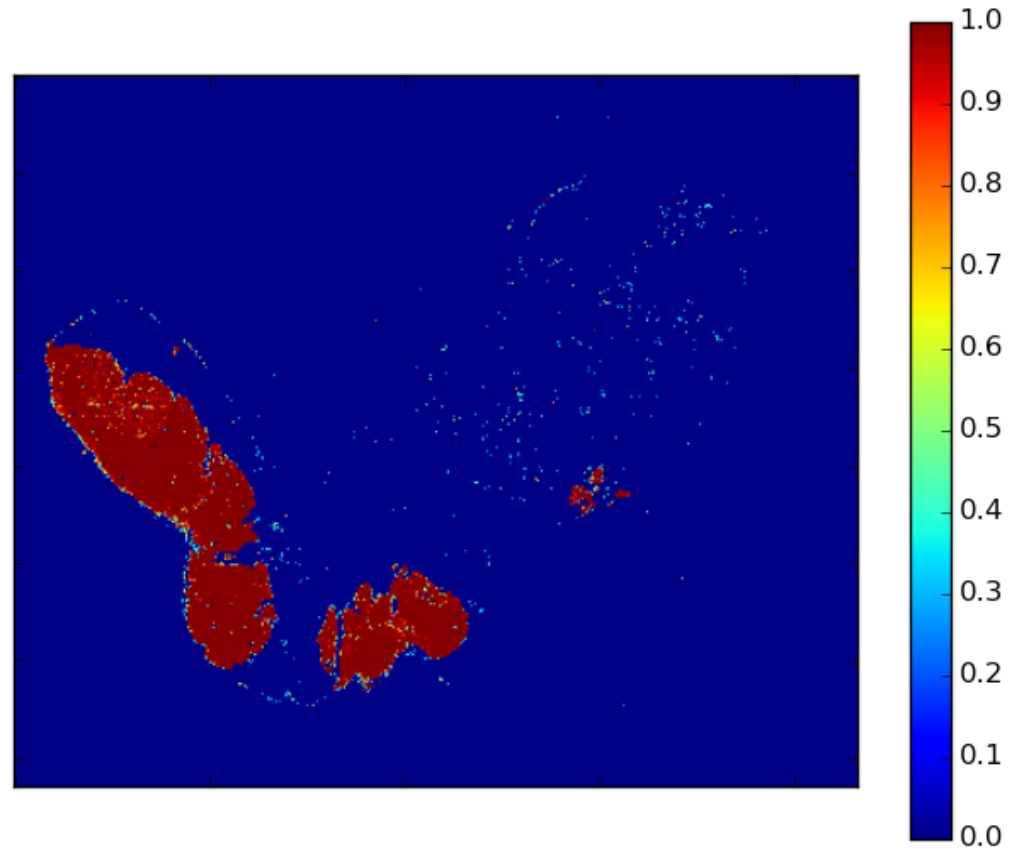
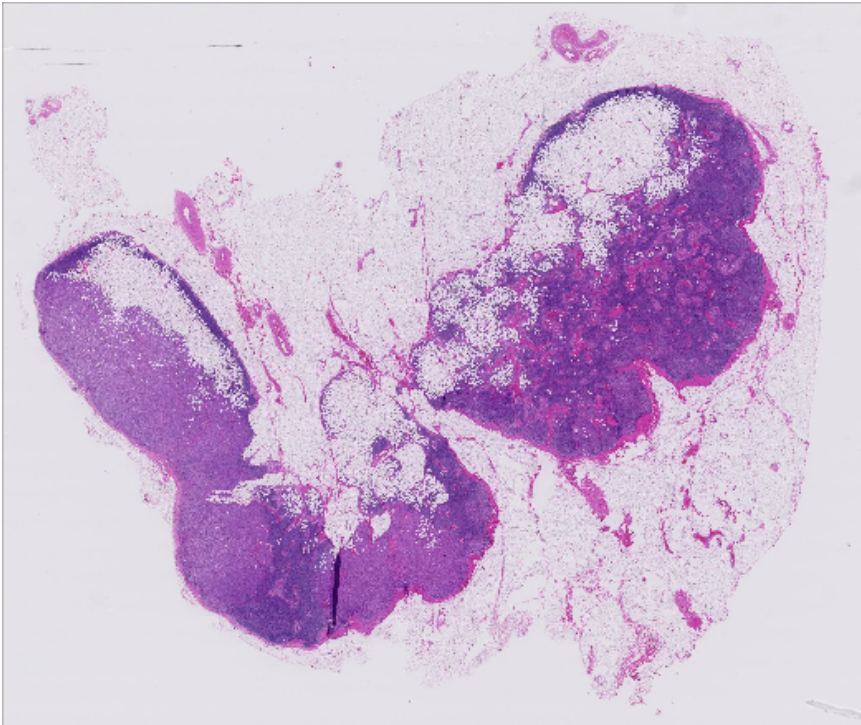
# ResNet-like architecture



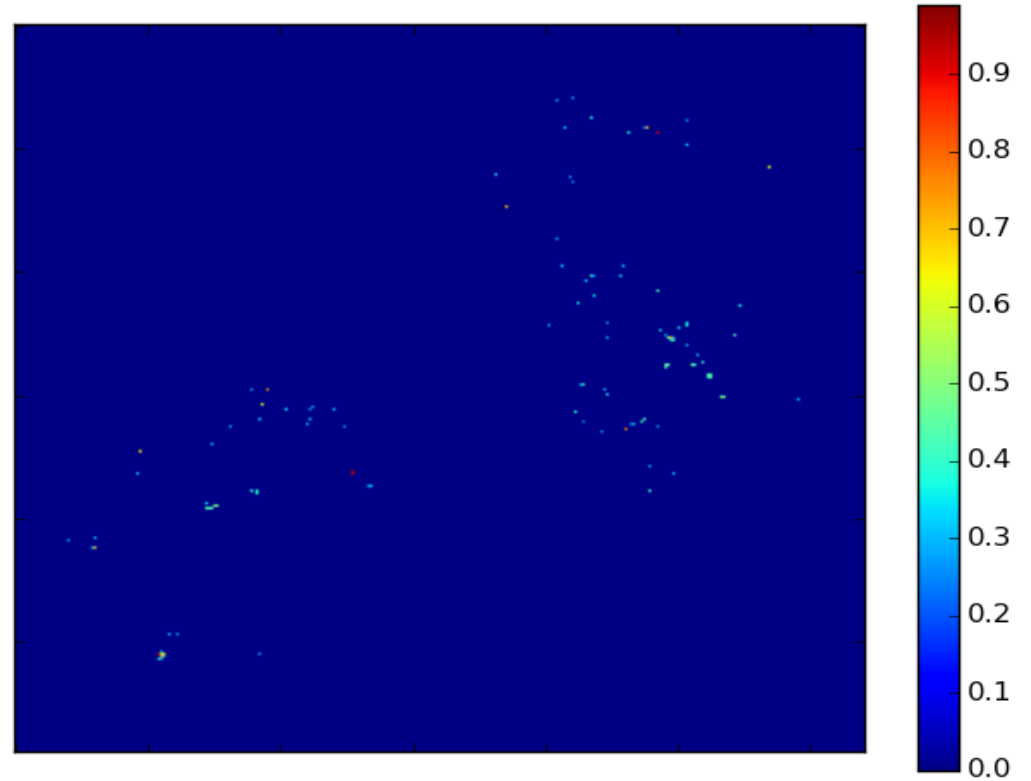
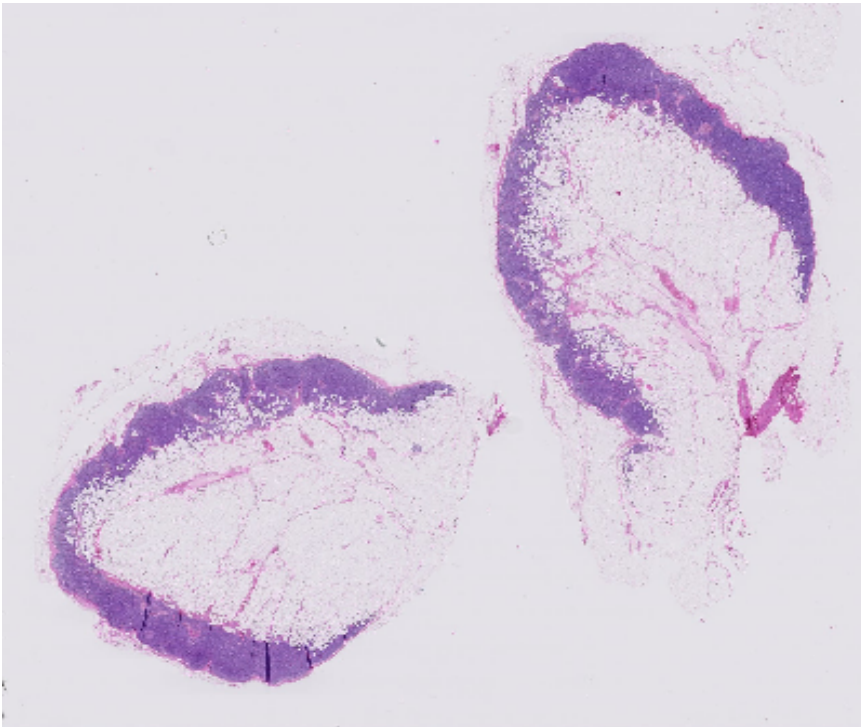
# Training



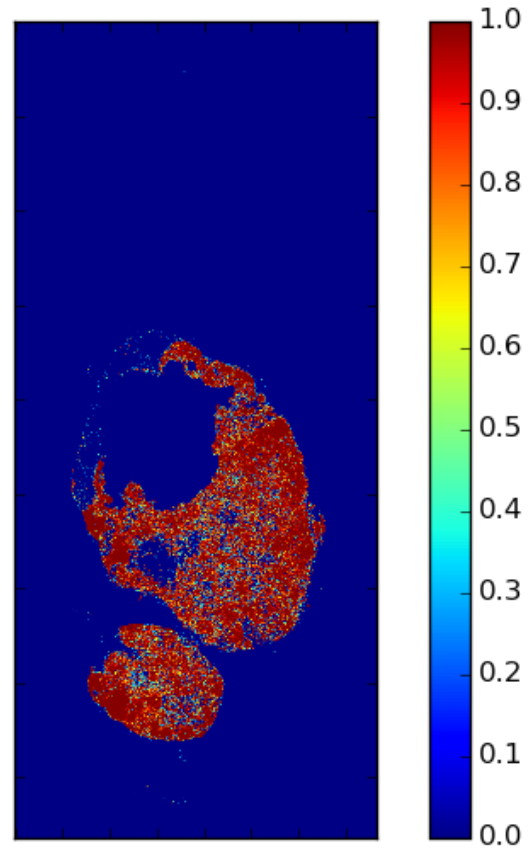
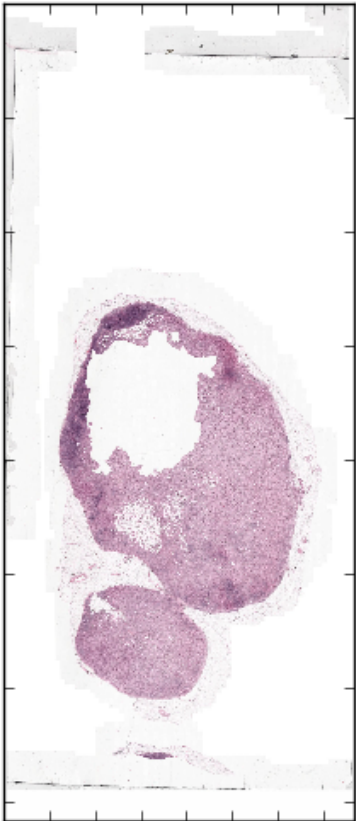
# Tumor (0.99)



# Non tumor (0.45)



# Tumor (0.99)



**Thanks!**