Figure S6. An overview of our DL system's concept. (a) The pipeline of Region Detection Network~(RDN) that consists of the feature learner and following Faster R-CNN module, (b) The architecture of ResNet-18, the smallest instance of ``Residual Networks", we exploit ResNet-50 on learning high-level feature in RDN and ResNet-18 on classifying the cropped image patches, (c) The residual block, which is used as a basic block for building residual networks, (d) The data augmentation method, which enhances generalization ability and is especially effective in scarce data setting, and (e) The transfer-learning method, which also aids to generalize in other data by providing the "initialization point" of the network parameters is described.