

Comparing the different versions of YOLO for Object Detection for Crystal Data

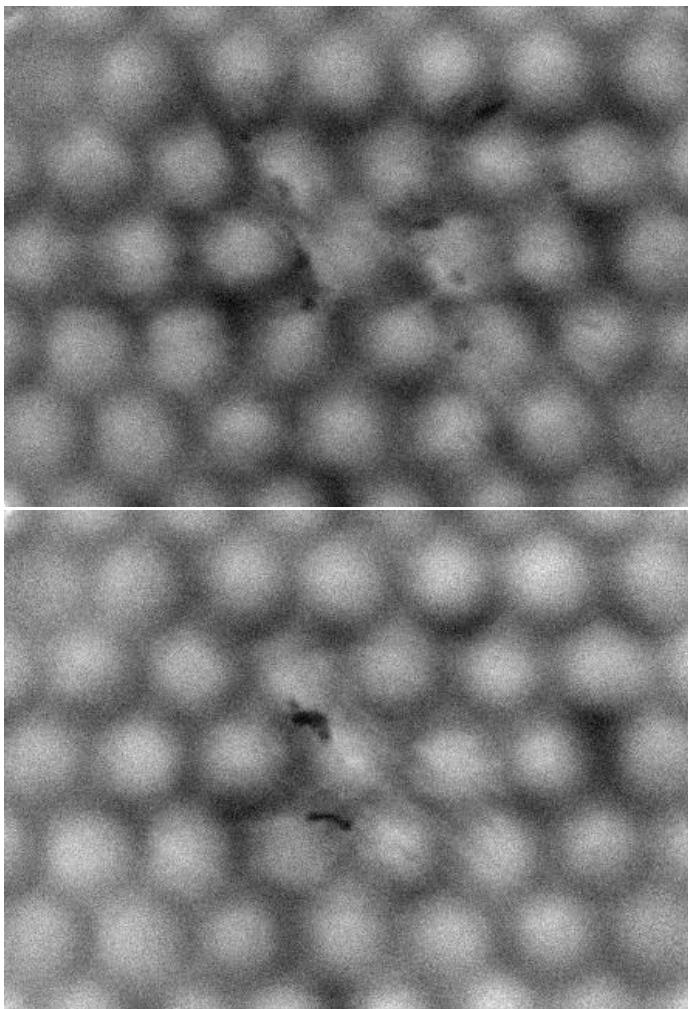
In this page we will see the comparison for different version of yolo for a Crystal Data

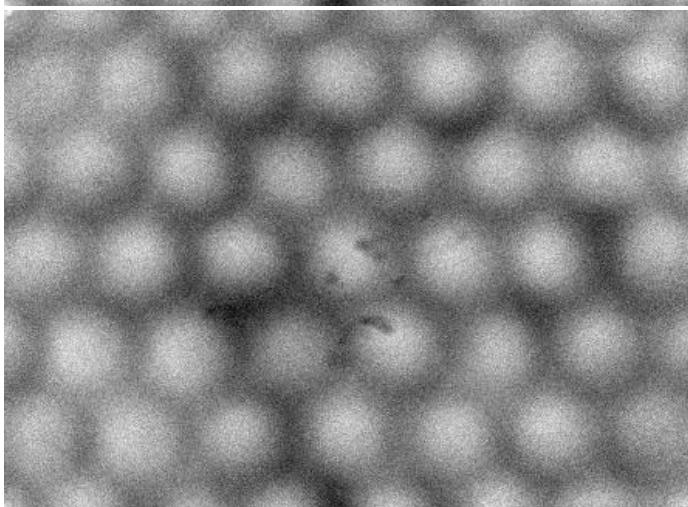
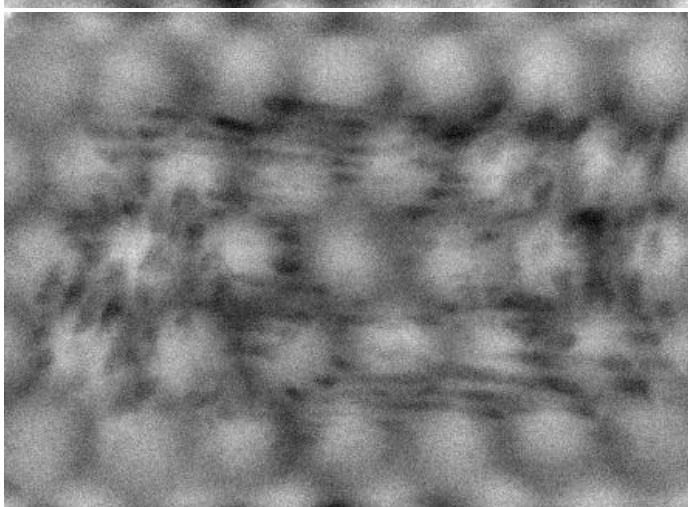
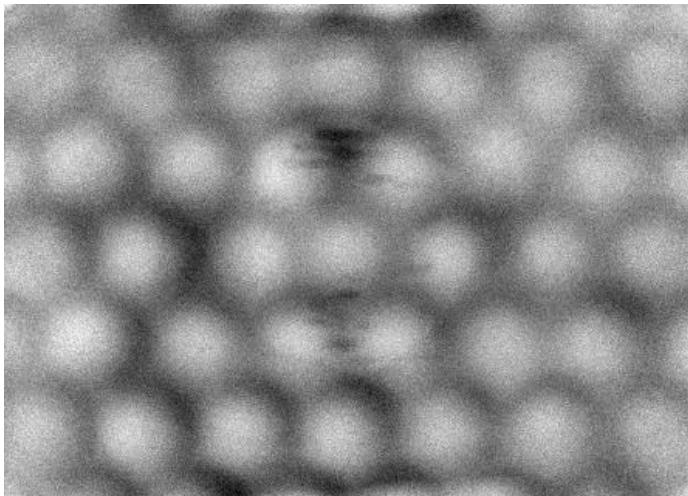
So basically, in this we have 2 classes hard knots and Globs.

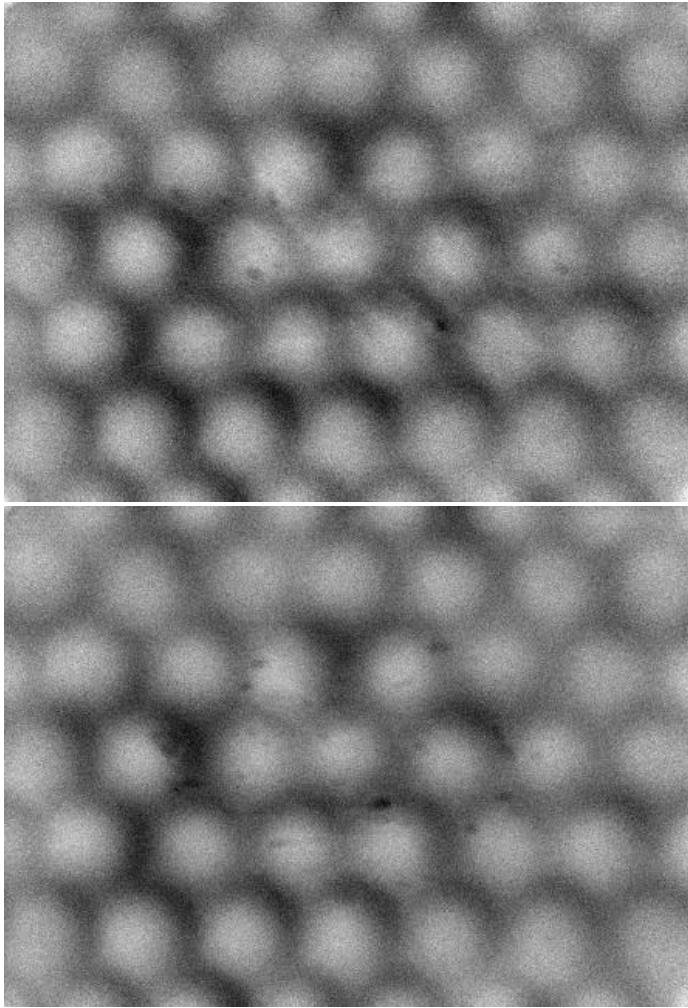
In this page you can easily find the metrics and output on test samples which are hard to recognize.

Object Detection on YOLONAS model

Here are the output images on test samples different from the training data



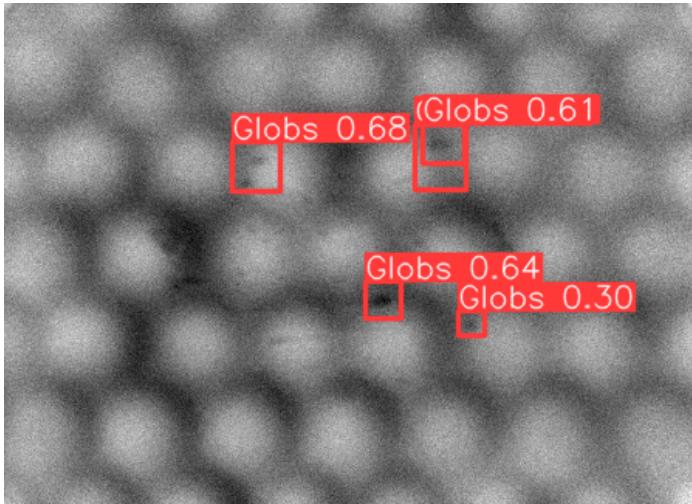
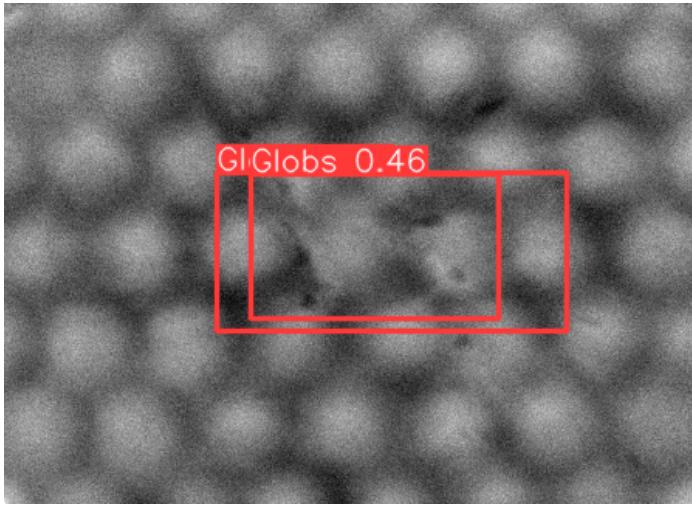
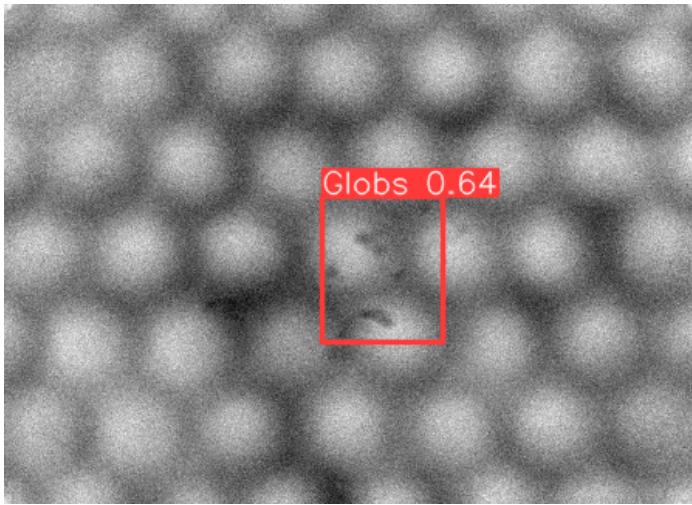


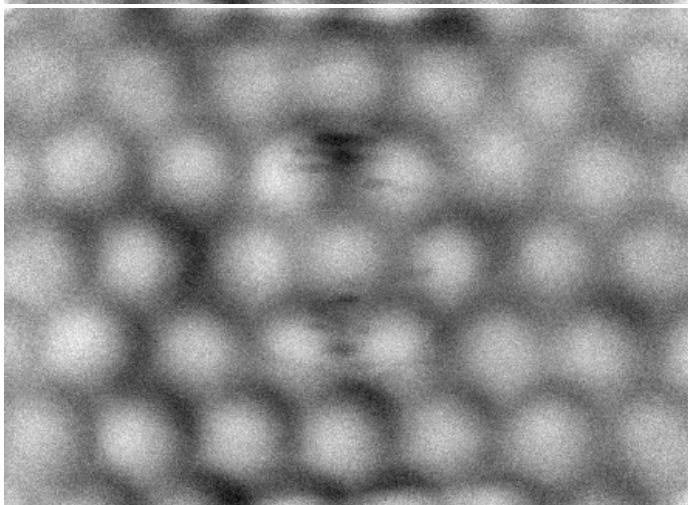
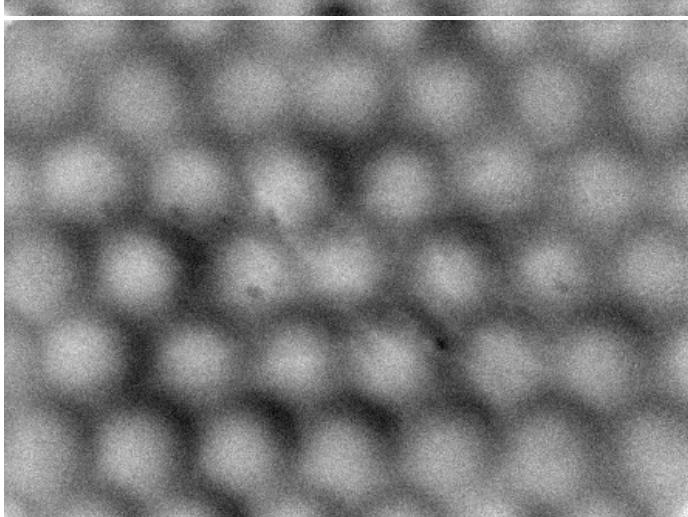
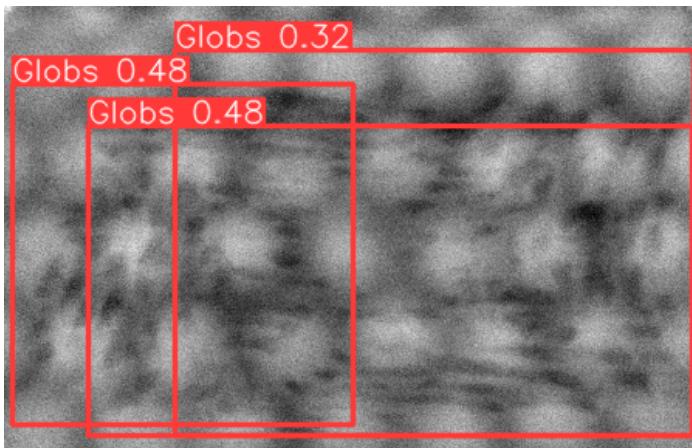


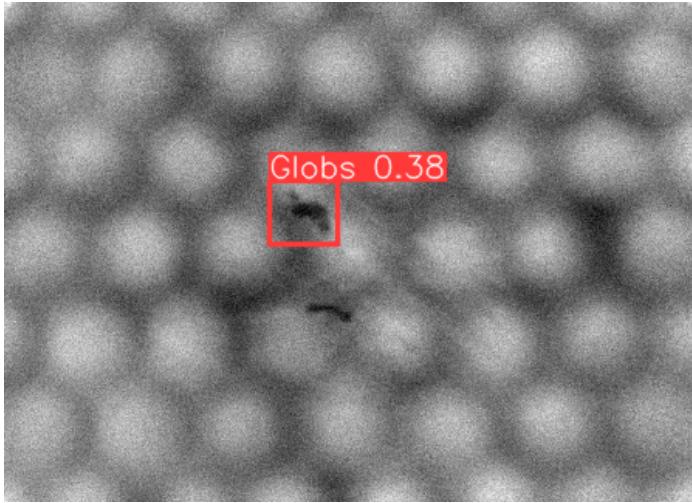
so here we can see that yolonas model performing bad on these particular test samples which are easy to detect.

Object Detection on YOLOV8 nano model that is yolov8n

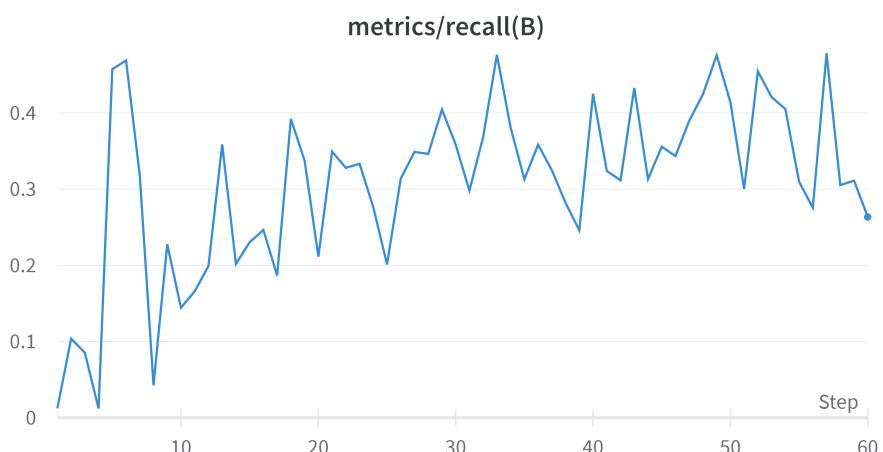
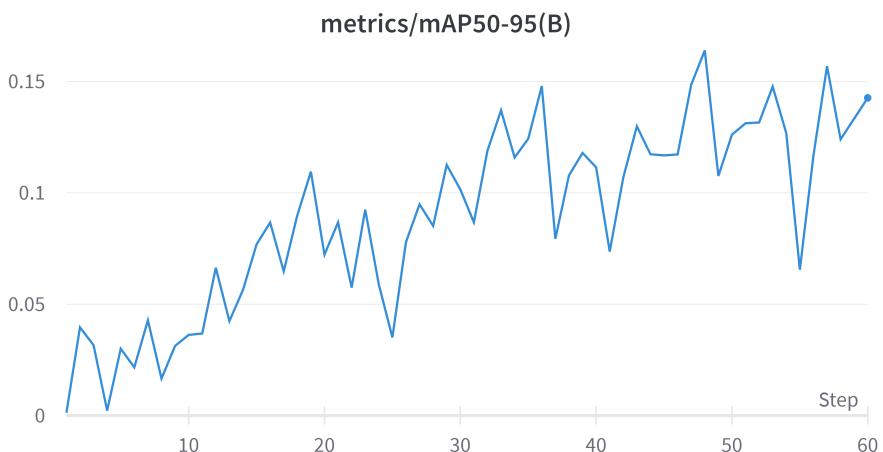
Here are the output images on test samples different from the training data.

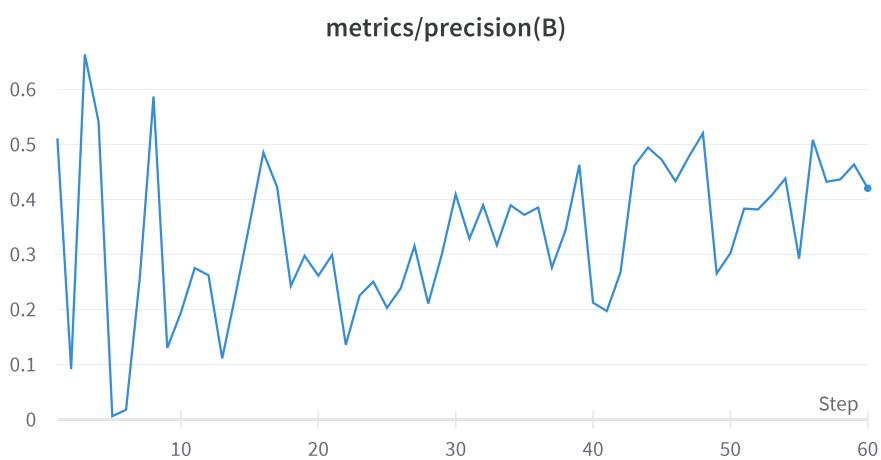
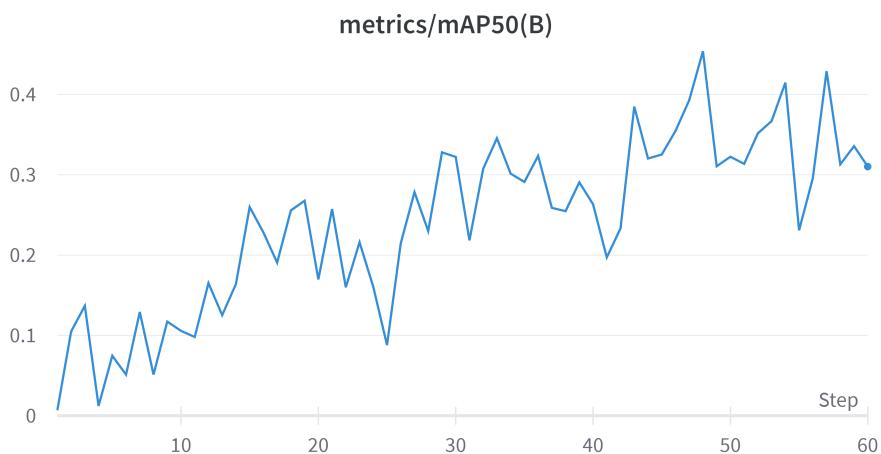






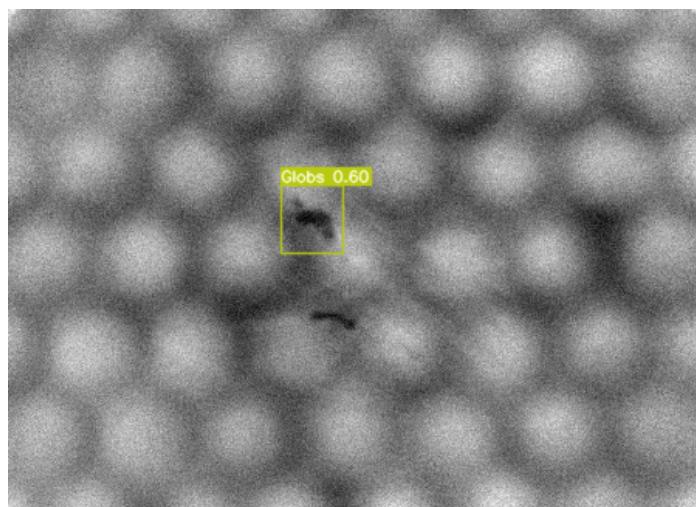
Here are some images of Metrics of yolov8 small model

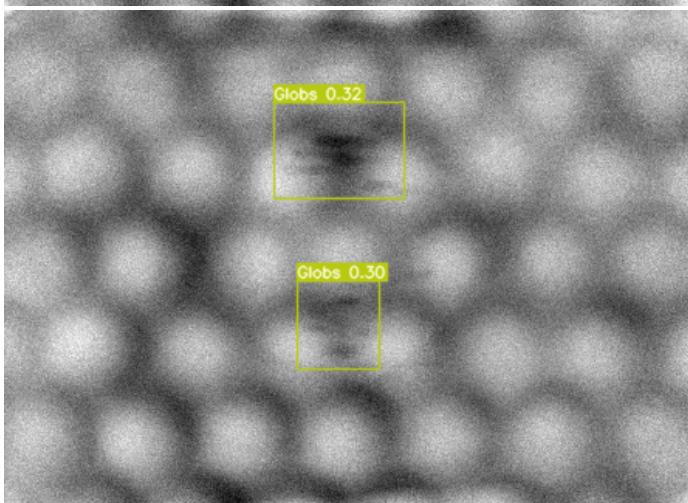
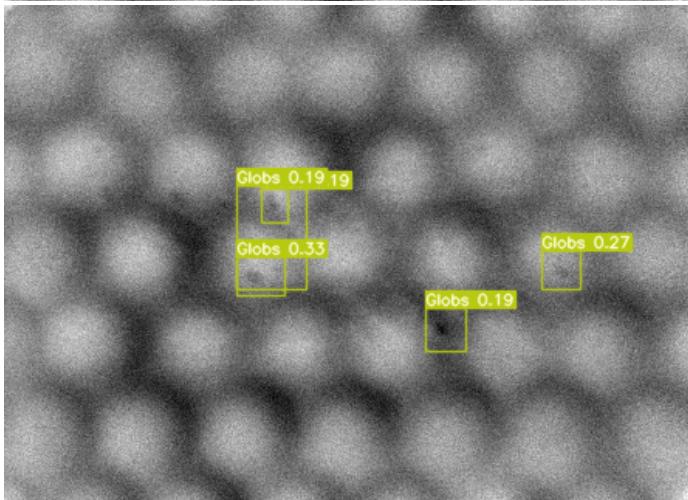
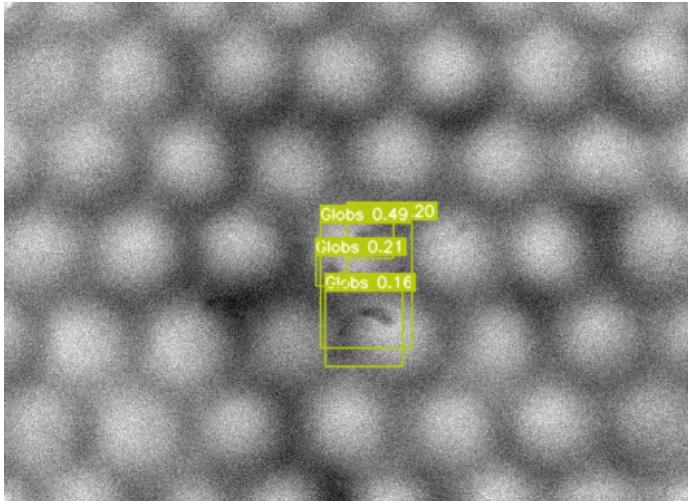


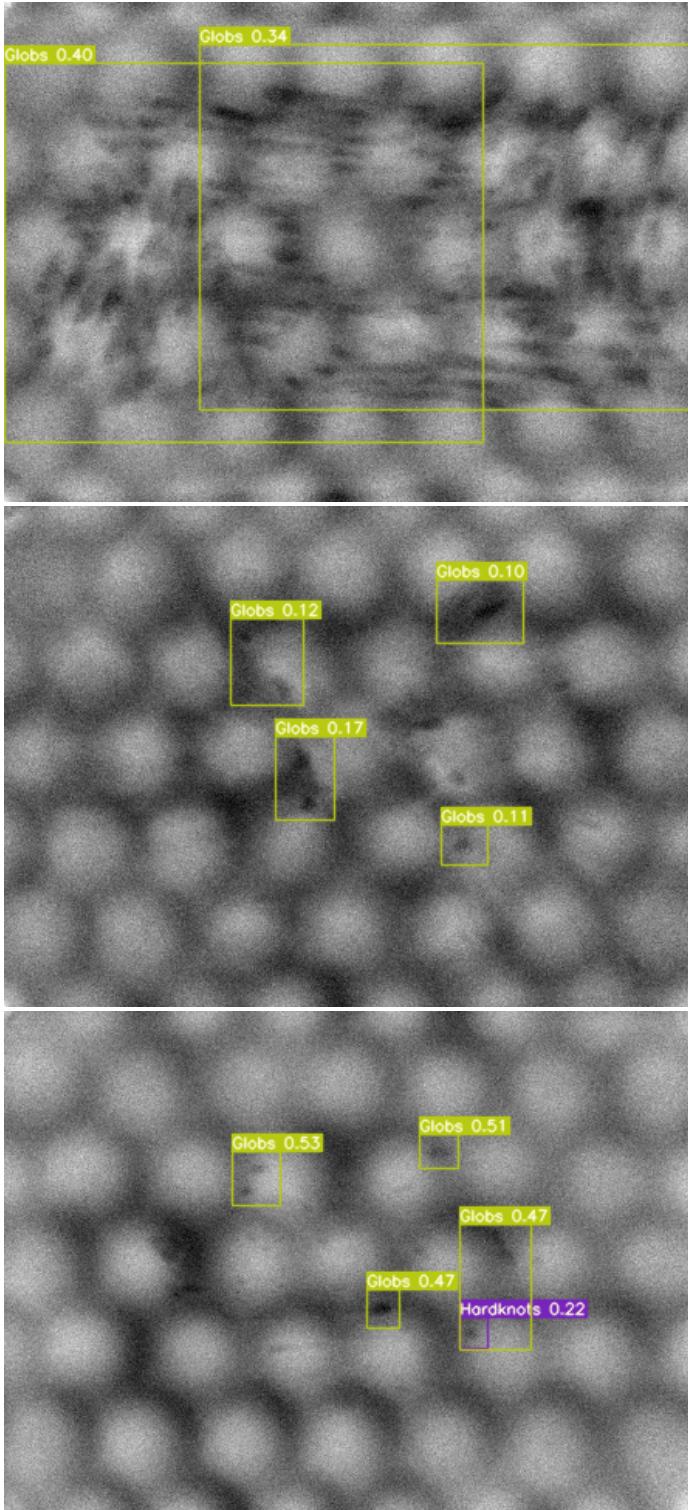


Object Detection on YOLOV7 model

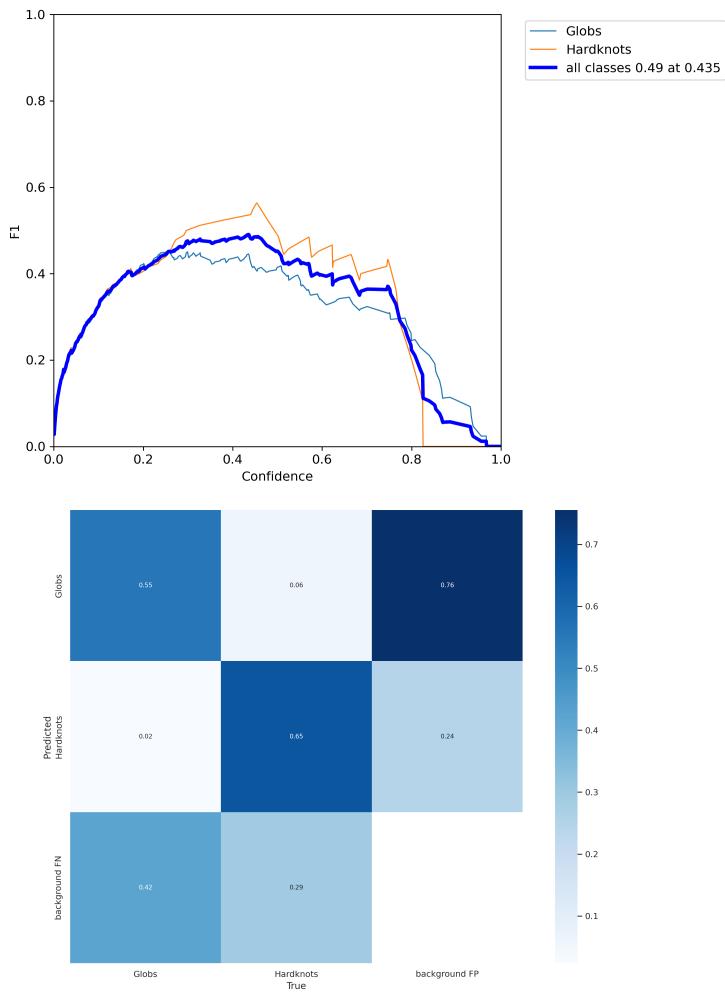
Here are the output images on test samples different from the training data.







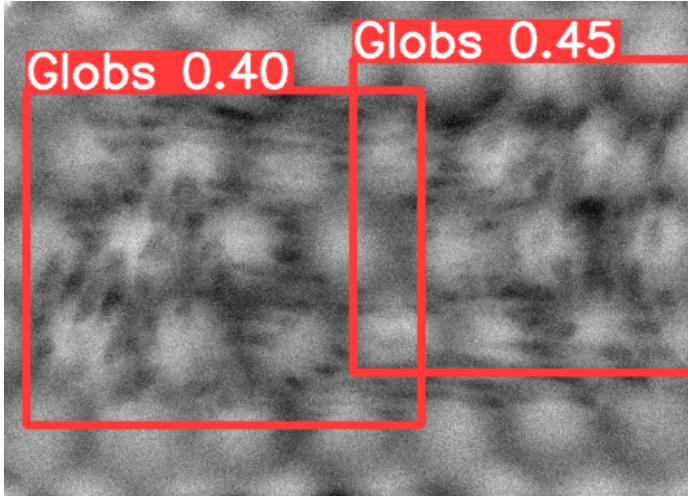
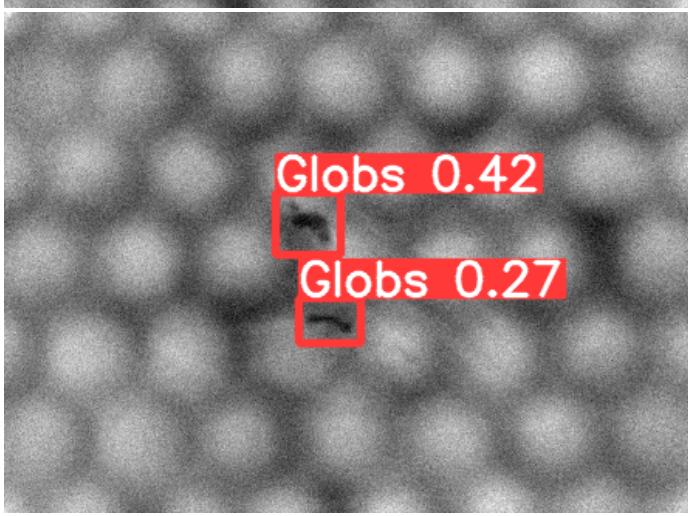
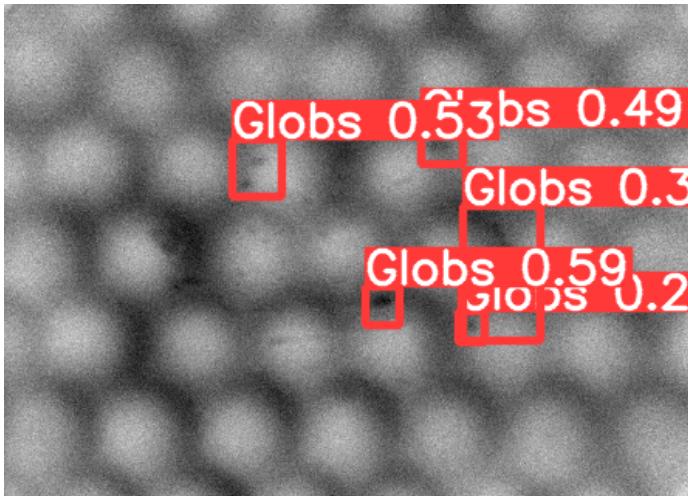
Here are some images of Metrics of yolov7 model

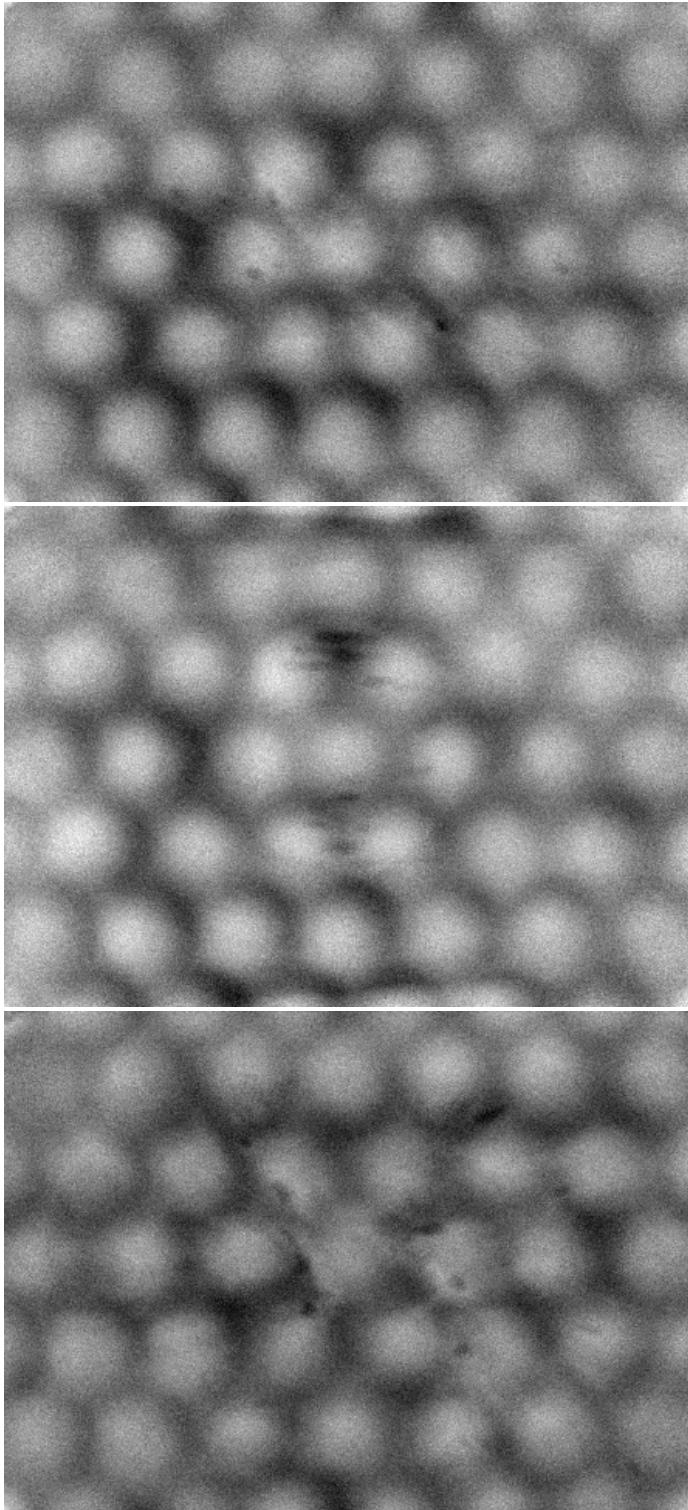


Object Detection on YOLOV5 largest model that is yolov5x

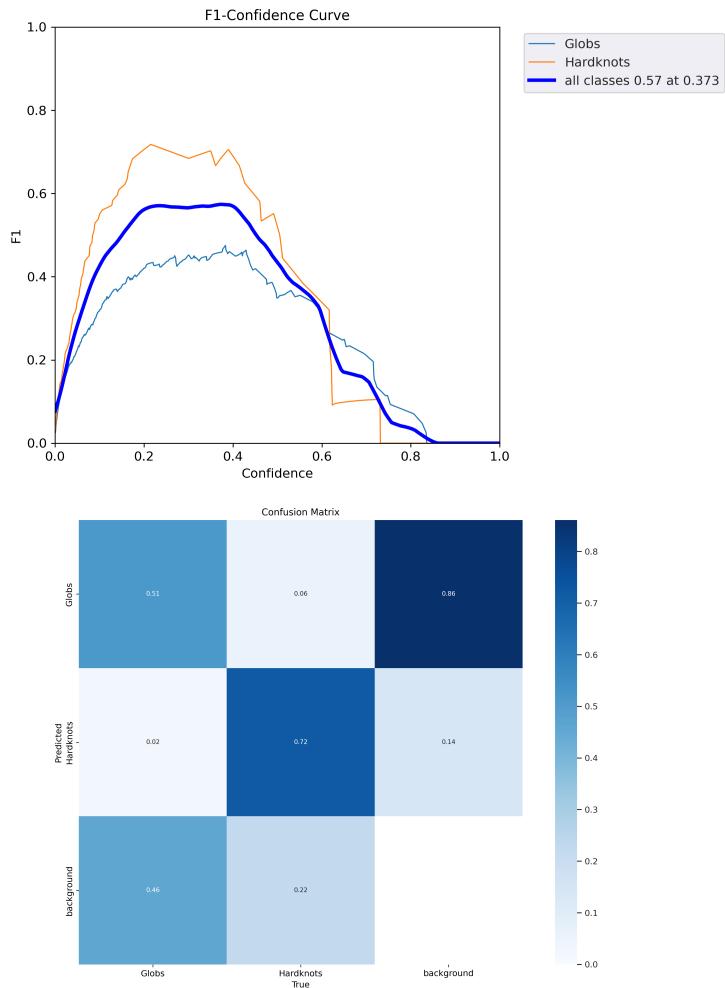
Here are the output images on test samples different from the training data.





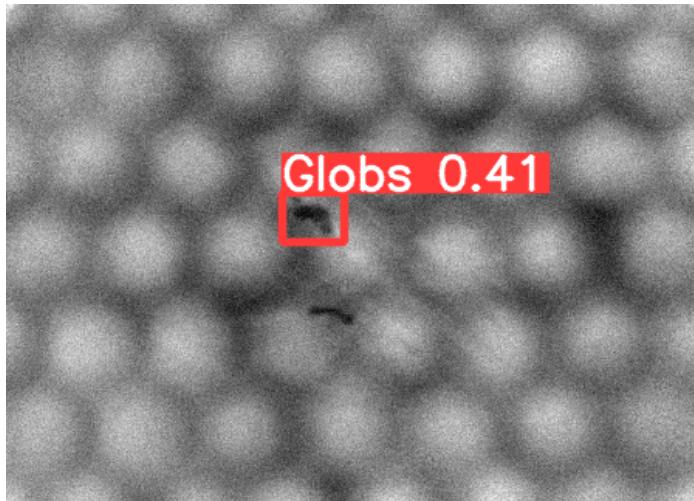


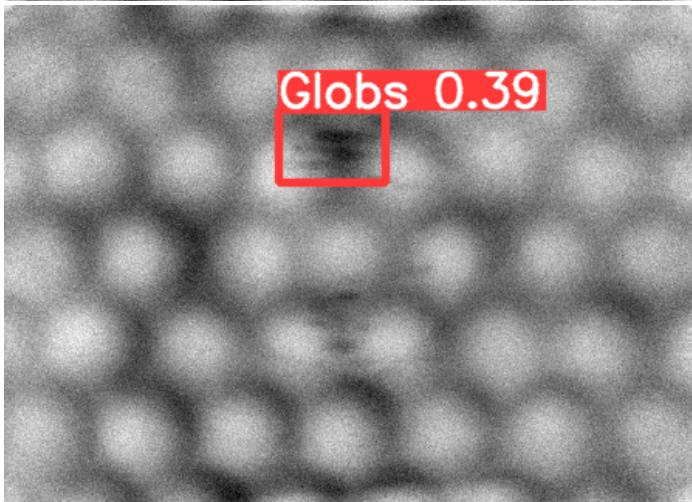
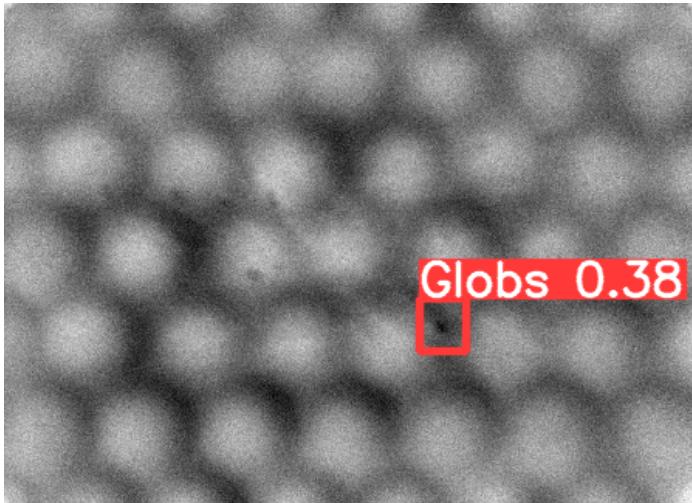
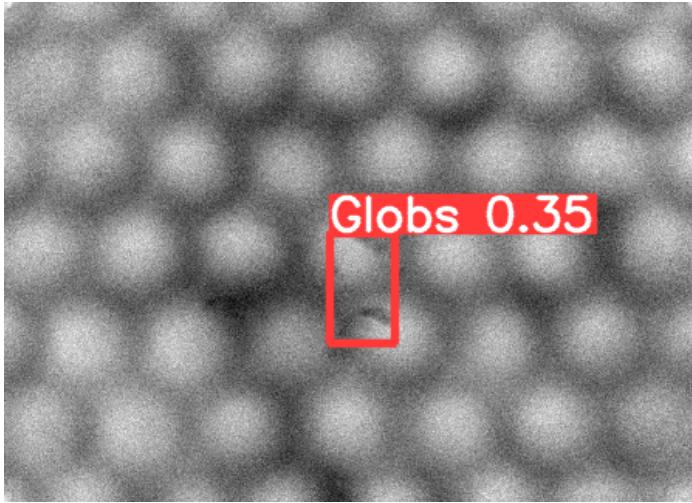
Here are some images of Metrics of yolov5x model

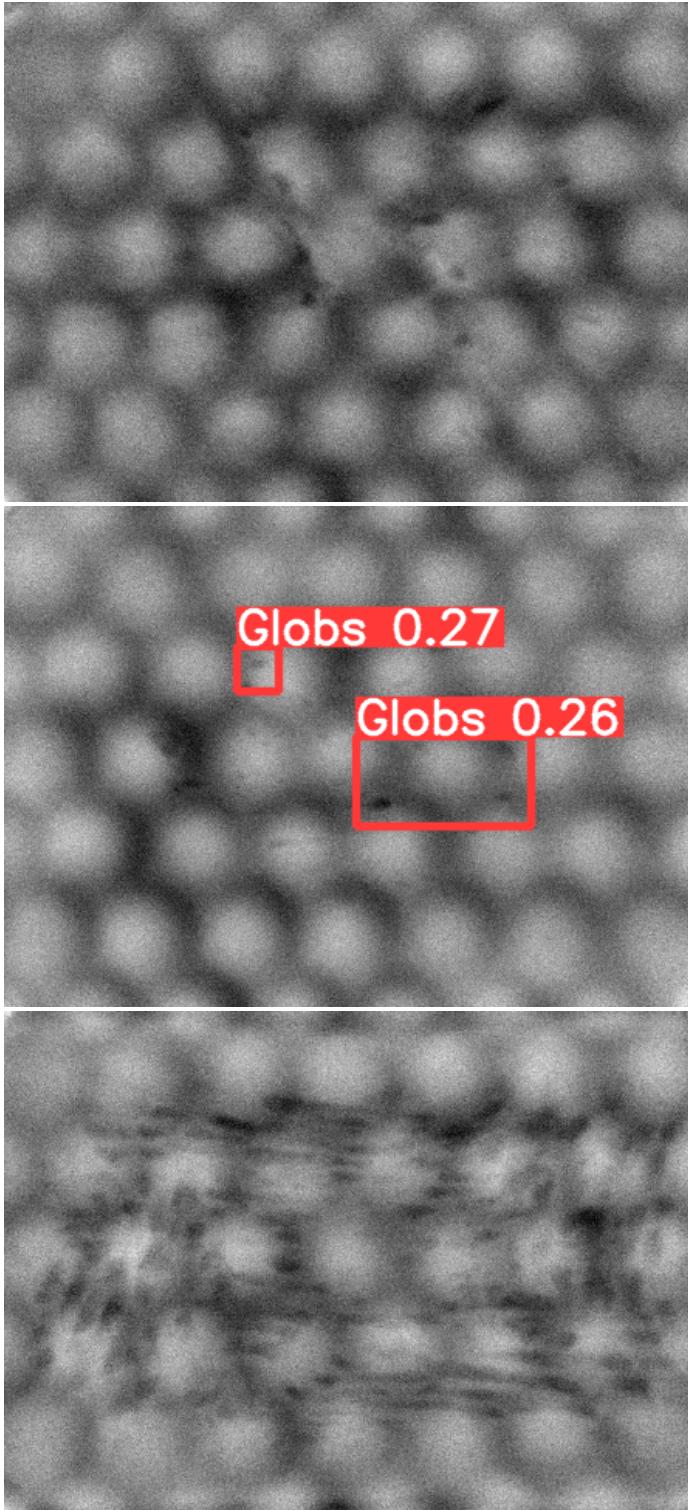


Object Detection on YOLOV5 second largest model that is yolov5l

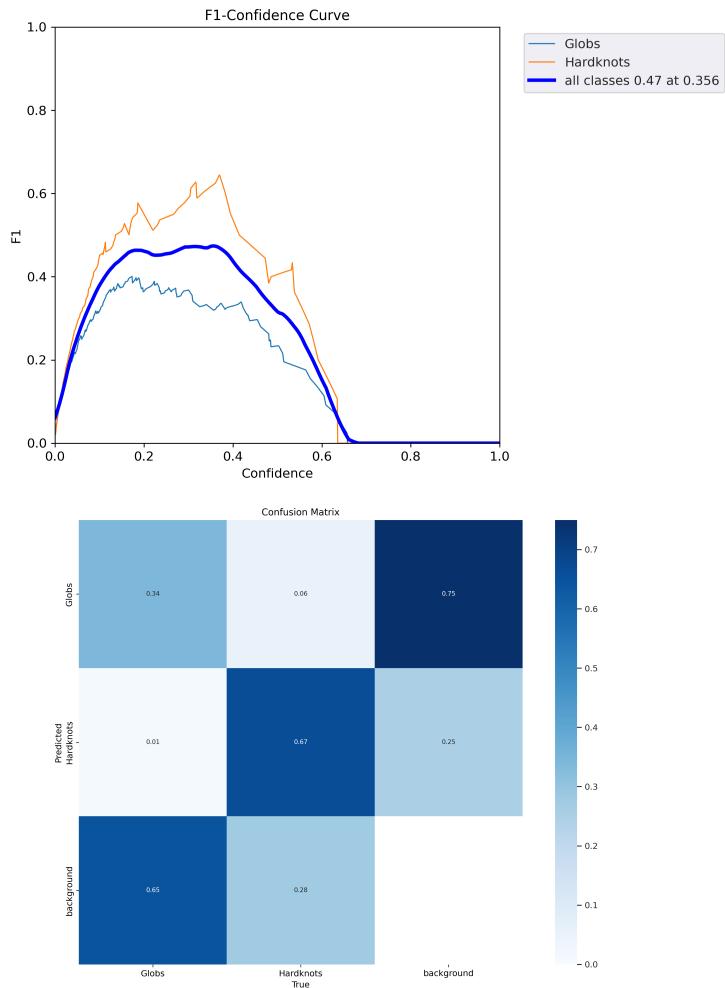
Here are the output images on test samples different from the training data.





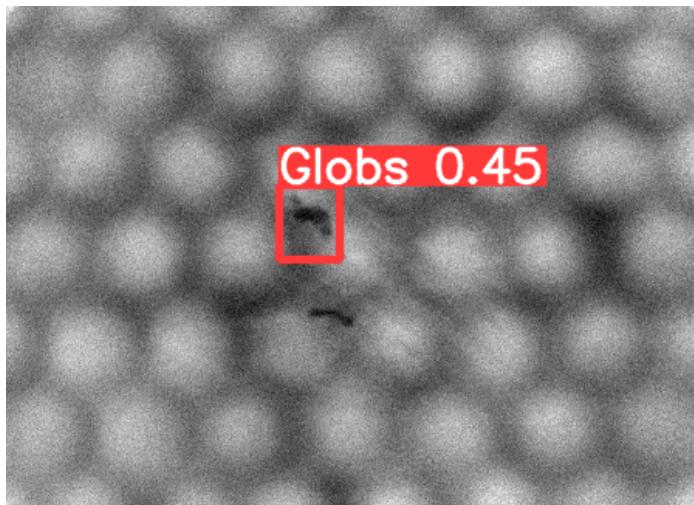


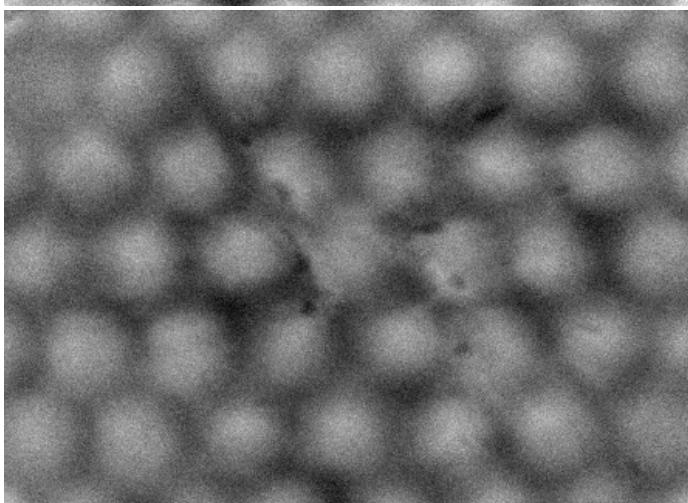
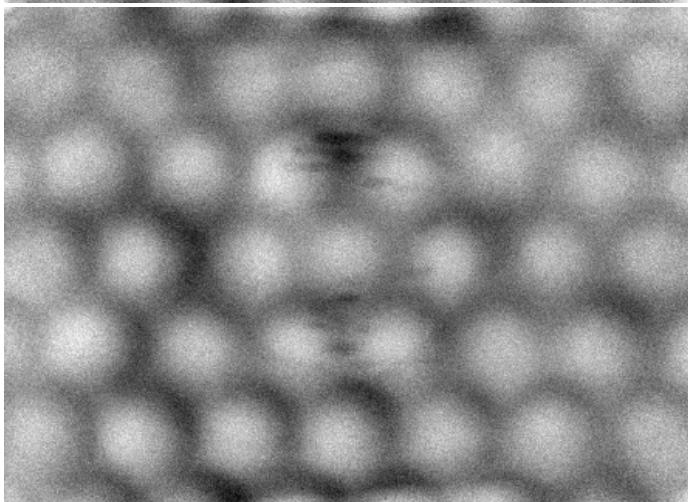
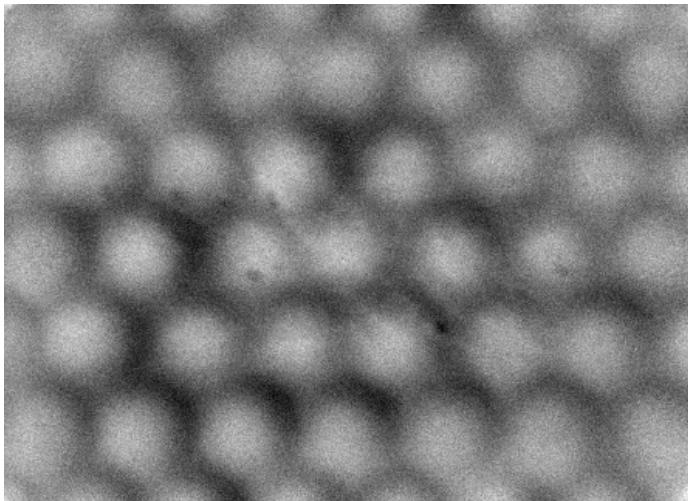
Here are some images of Metrics of yolov5l model

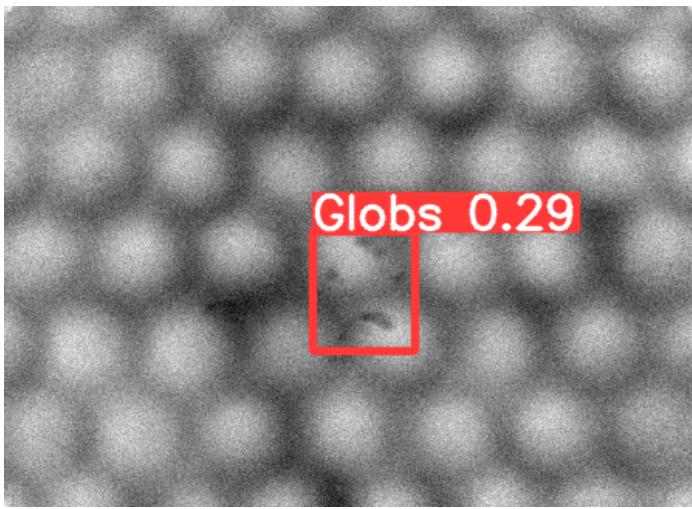
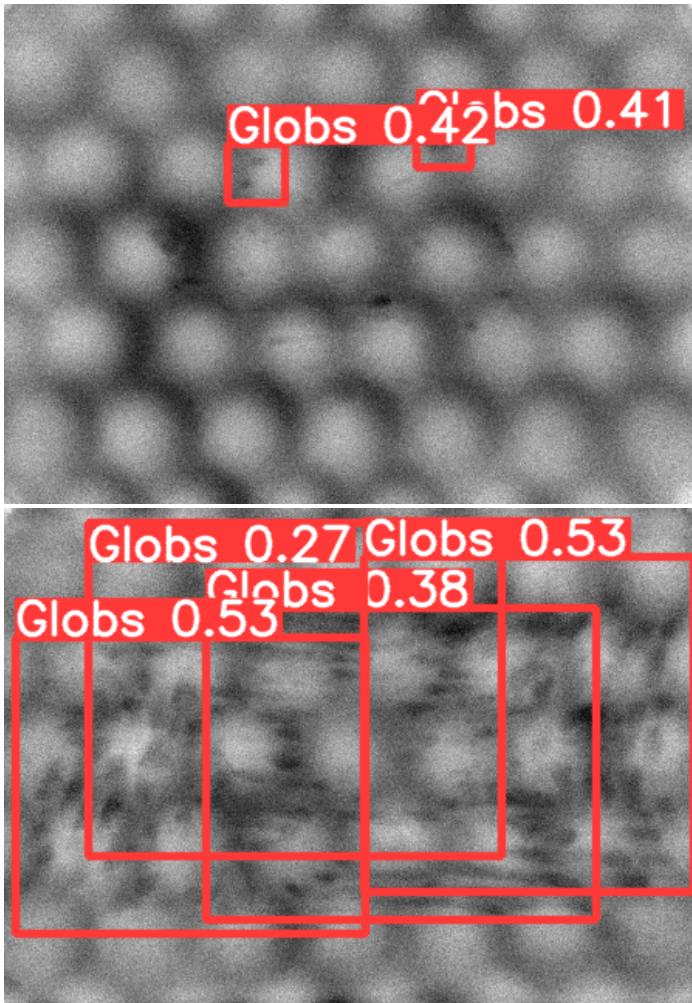


Object Detection on YOLOV5 medium model that is yolov5m.

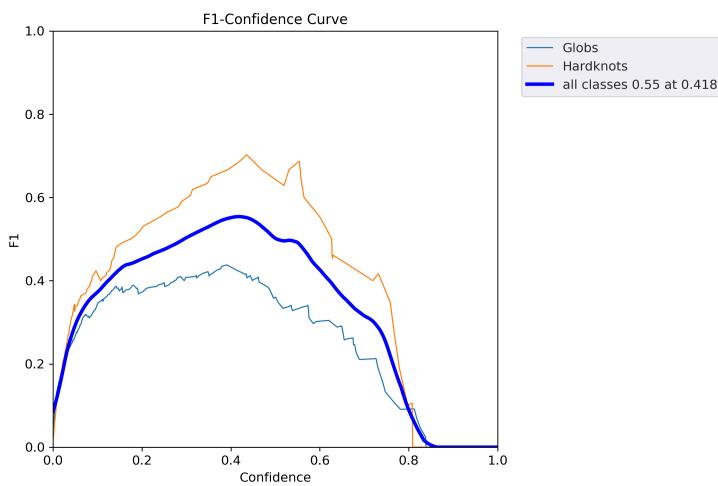
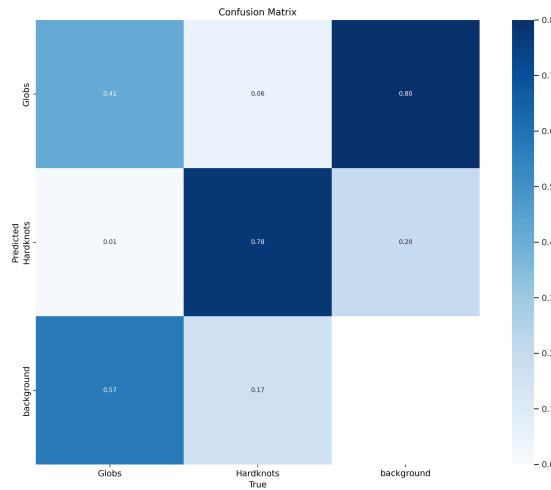
Here are the output images on test samples different from the training data.





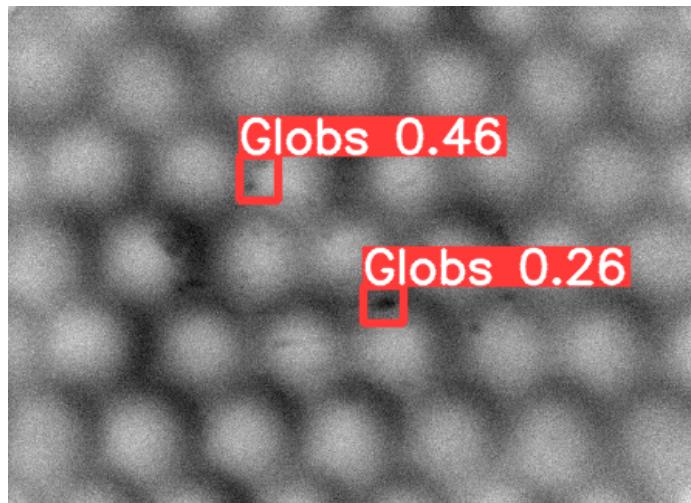


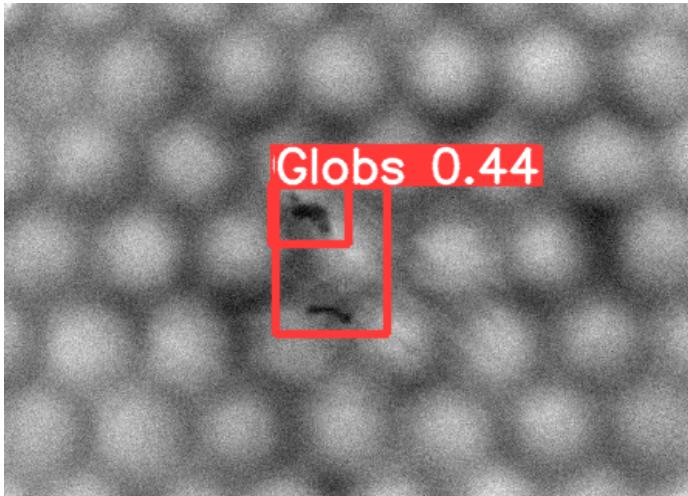
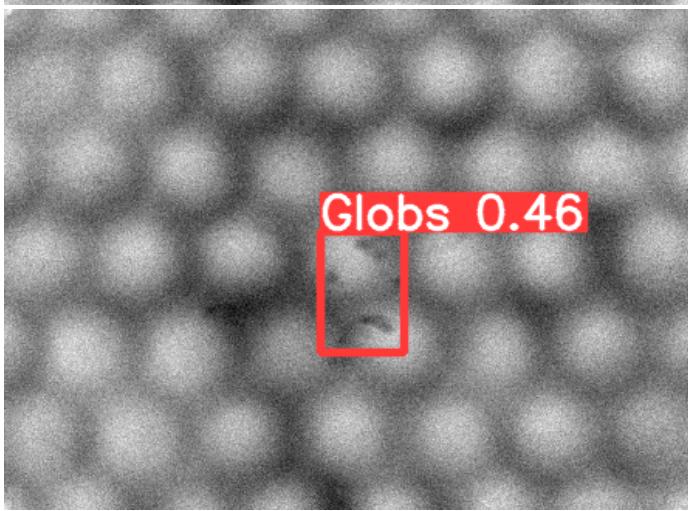
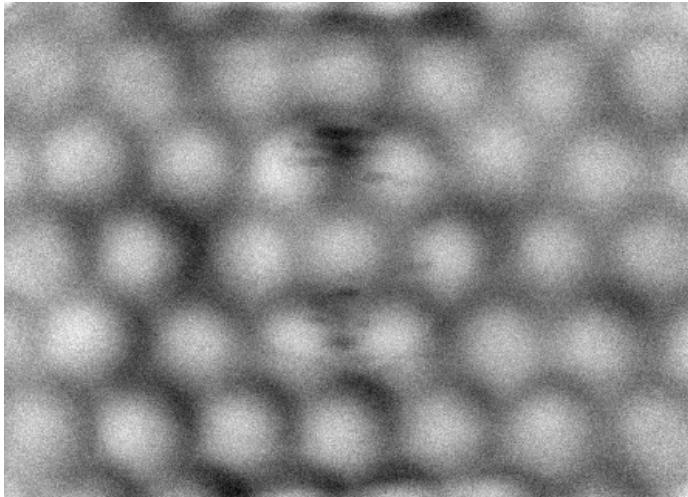
Here are some images of Metrics of yolov5m model

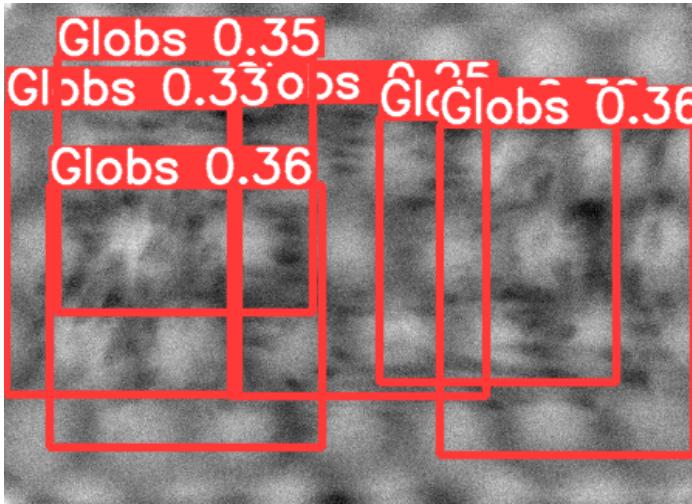
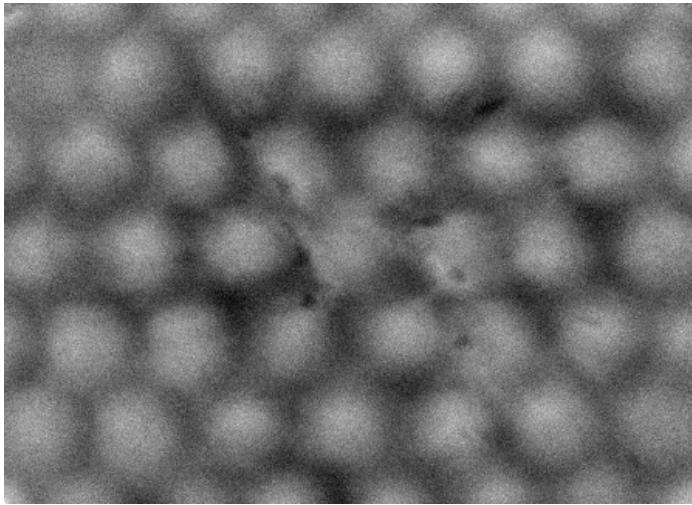
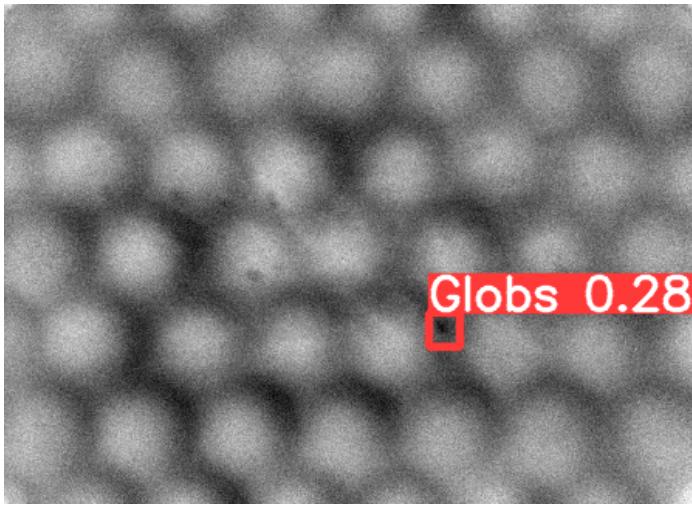


Object Detection on YOLOV5 small model that is yolov5s.

Here are the output images on test samples different from the training data.







Here are some images of Metrics of yolov5s model.

