TABLE I

METRICS OF YOLO VARIATIONS FOR TT100K DATASET

| Variations | $mAP_{0.5:0.95}$ | $mAP_{0.5}$ | Precision | Recall |
|---|---|---|---|---|
| yolov5s$_{640}$ | .358 | .526 | .897 | .421 |
| yolov5x$_{640}$ | .431 | .656 | .866 | .580 |
| yolov5s-seattn$_{640}$ | .310 | .489 | .870 | .410 |
| yolov5s$_{1280}$ | .462 | .671 | .723 | .510 |
| yolov5x$_{1280}$ | .532 | .781 | .855 | .720 |

TABLE II

METRICS OF YOLO VARIATIONS AND BASELINE MODELS
(TT100K)

| Variations | $mAP_{0.5:0.95}$ | $mAP_{0.5}$ | Precision | Recall |
|---|---|---|---|---|
| yolov5s$_{640}$ | 0.310 | 0.489 | 0.870 | 0.410 |
| yolov5x$_{640}$ | 0.431 | 0.656 | 0.866 | 0.580 |
| yolov5s-seattn$_{640}$ | 0.358 | 0.526 | 0.897 | 0.421 |
| yolov5s$_{1280}$ | 0.462 | 0.671 | 0.723 | 0.510 |
| yolov5x$_{1280}$ | 0.532 | 0.781 | 0.855 | 0.720 |
| Fast R-CNN | N/A | N/A | 0.50 | 0.56 |
| Multi-class Network | N/A | N/A | 0.88 | 0.91 |
| AN+FRPN | 0.4981 | N/A | N/A | N/A |
| Faster-RCNN | 0.3122 | N/A | N/A | N/A |