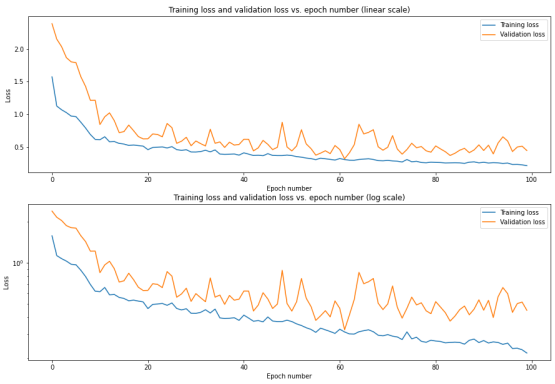
**Quality Control report for SplineDist 2D model (Chr_spline_dist_noaug)**
**Date and Time: 2022-04-06 08:56**
**Information for your materials and methods:**

## Development of Training Losses




## Example Quality Control Visualisation


## Quality Control Metrics

| image # | Prediction v. GT IoU | false pos. | true pos. | false neg. | precision | recall | accuracy | f1 score | n_true | n_pred | mean_true_score | mean_matched_score | panoptic_quality |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.649 | 6 | 48 | 9 | 0.889 | 0.842 | 0.762 | 0.865 | 57 | 54 | 0.627 | 0.744 | 0.644 |
| 2 | 0.787 | 8 | 370 | 35 | 0.979 | 0.914 | 0.896 | 0.945 | 405 | 378 | 0.724 | 0.793 | 0.749 |
| 3 | 0.792 | 7 | 31 | 6 | 0.816 | 0.838 | 0.705 | 0.827 | 37 | 38 | 0.652 | 0.779 | 0.644 |
| 4 | 0.803 | 10 | 348 | 51 | 0.972 | 0.872 | 0.851 | 0.919 | 399 | 358 | 0.695 | 0.797 | 0.733 |

References:
- ZeroCostDL4Mic: von Chamier, Lucas & Laine, Romain, et al. "Democratising deep learning for microscopy with ZeroCostDL4Mic." Nature Communications (2021).
- StarDist 2D: Schmidt, Uwe, et al. "Cell detection with star-convex polygons." International Conference on Medical Image Computing and Computer-Assisted Intervention. Springer, Cham, 2018.

**To find the parameters and other information about how this model was trained, go to the training_report.pdf of this model which should be in the folder of the same name.**