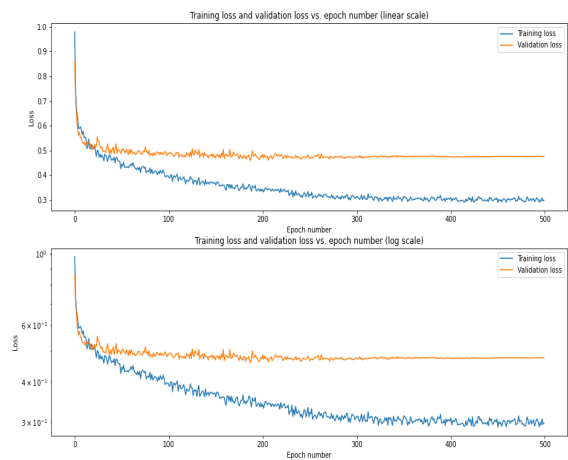


Quality Control report for SplineDist 2D model (SplineDist_Endosomes_STARD3)

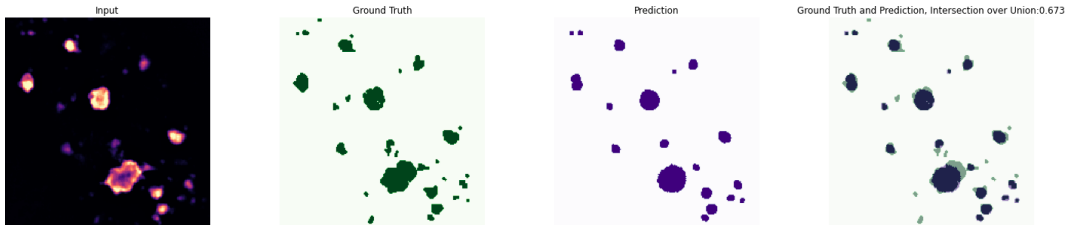
Date and Time: 2022-05-07 12:25

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	0.673	4	16	24	0.8	0.4	0.364	0.533	40	20	0.27	0.675	0.36
2	0.792	3	24	4	0.889	0.857	0.774	0.873	28	27	0.698	0.814	0.71

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.