**Supplementary File 1.** Cellpose training quality control.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Image | Prediction v. GT Intersect over Union | False positive | True positive | False negative | Precision |
| Image\_LIS-123\_region\_0.tif | 0.810790951 | 4 | 148 | 16 | 0.973684 |
| Image\_LIS-308\_region\_0.tif | 0.747845652 | 4 | 68 | 27 | 0.944444 |
| Image\_LIS-140\_region\_0.tif | 0.906795138 | 4 | 129 | 3 | 0.969925 |
| Image\_LIS-301\_region\_0.tif | 0.881344966 | 2 | 258 | 9 | 0.992308 |