Training report for Cellpose model (CellPose_Glio_50E)

Date: 2023-11-05

Training ti

Information for your materials and methods:

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The Cellpose model was trained for 50 epochs on 66 paired image patches (image dimensions: (512, 512), with a batch
size of 8, using the Cellpose ZeroCostDL4Mic notebook (v 1) (von Chamier & Laine et al., 2020). The model was
re-trained from a pretrained model. Key python packages used include tensorflow (v 2.14.0), Keras (v y==1.4.0,
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```

Build cuda_11.8.r11.8/compiler.31833905_0). The training was accelerated using a Tesla T4 GPU.

Augmentation: The dataset was augmented by a factor of 4

Parameters

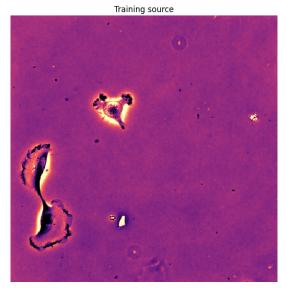
Default Advanced Parameters were enabled rameter		Value
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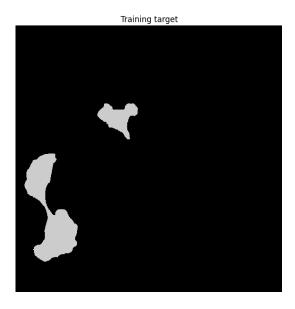
Training Dataset

Training_source:/content/gdrive/MyDrive/Colab Notebooks/workshops/datasets/ctc-glioblastoma-66im/train/sources

Model Path: /content/gdrive/MyDrive/Colab Notebooks/workshops/CellPose_Glio_50E

Example Training pair





References:

- ZeroCostDL4Mic: von Chamier, Lucas & Laine, Romain, et al. "ZeroCostDL4Mic: an open platform to simplify access and use of Deep-Learning in Microscopy." BioRxiv (2020).

Important:

Remember to perform the quality control step on all newly trained models
Please consider depositing your training dataset on Zenodo

- Celli pages