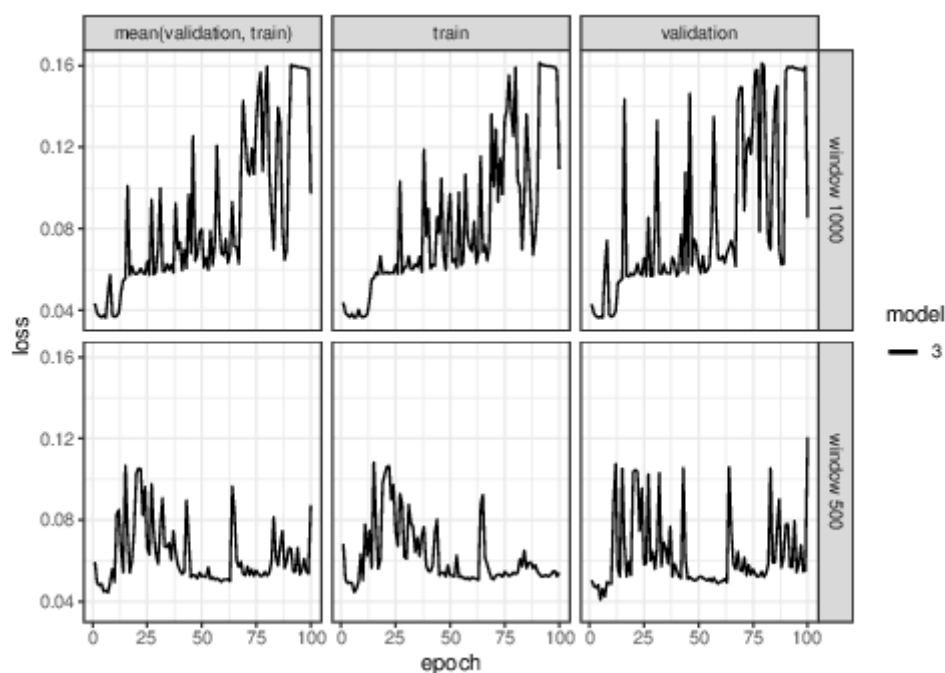
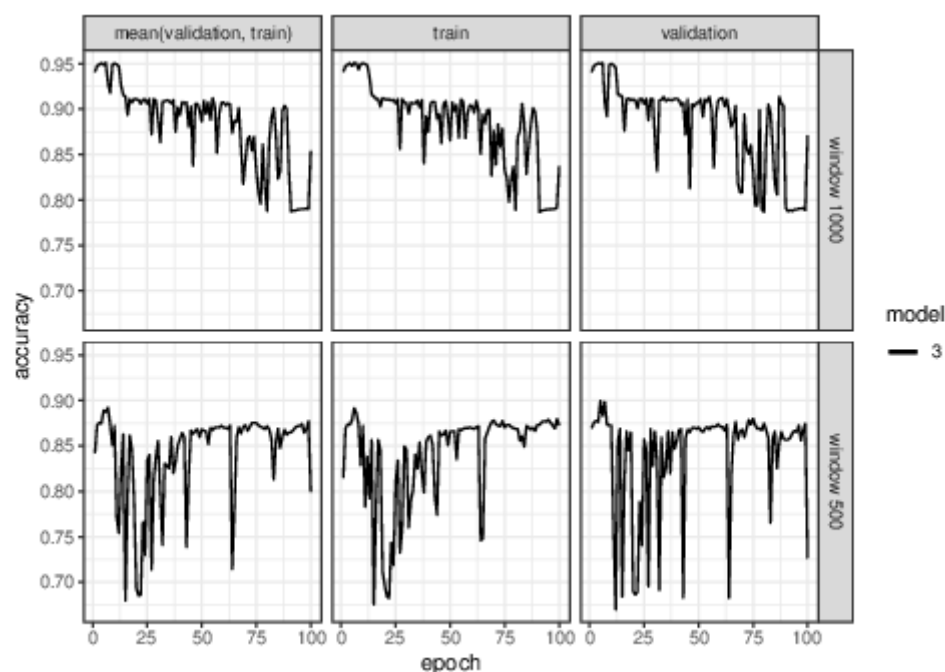


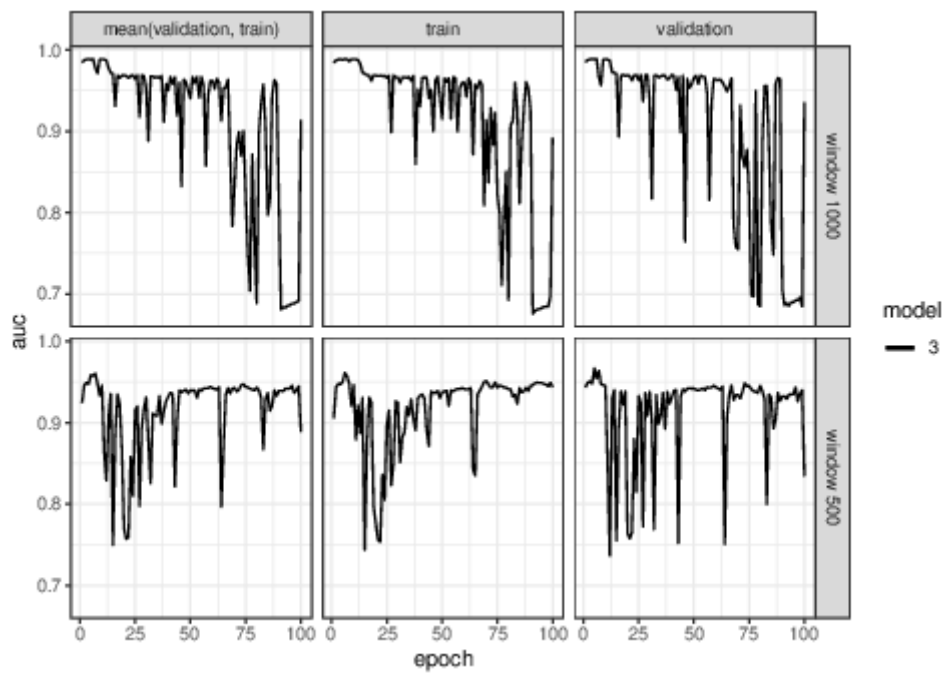
Additional file 1: Train history of model 3 1D Convolutional NN without batch normalization.



The 100 epochs train history loss of model 3 (1d CNN without batch normalization) for window 1000 and window 500 train data sets.



The 100 epochs train history accuracy of model 3 (1d CNN without batch normalization) for window 1000 and window 500 train data sets.



The 100 epochs train history AUC of model 3 (1d CNN without batch normalization) for window 1000 and window 500 train data sets.