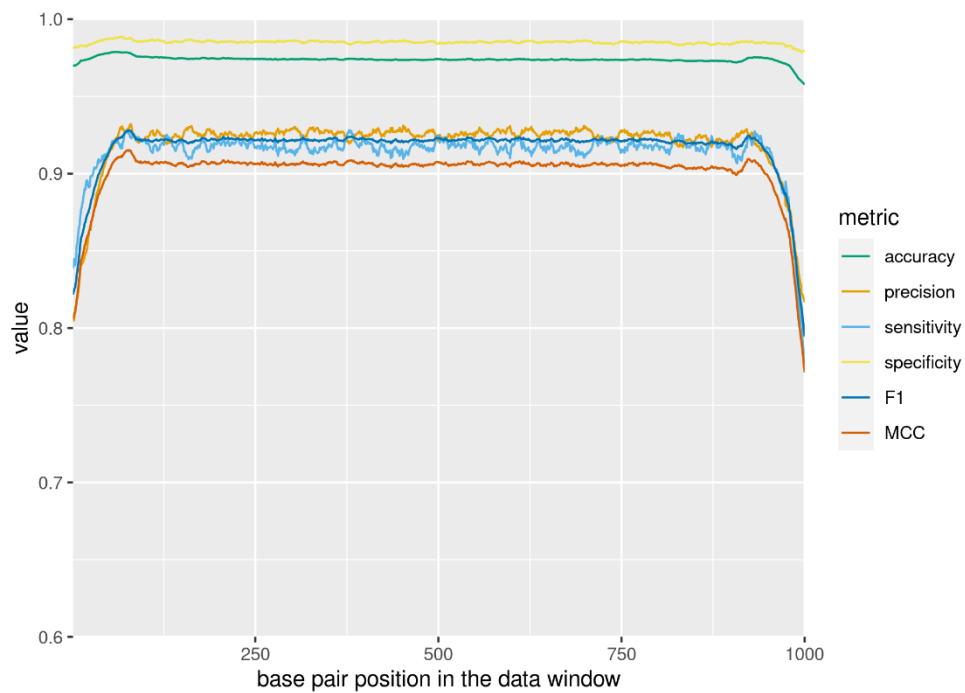
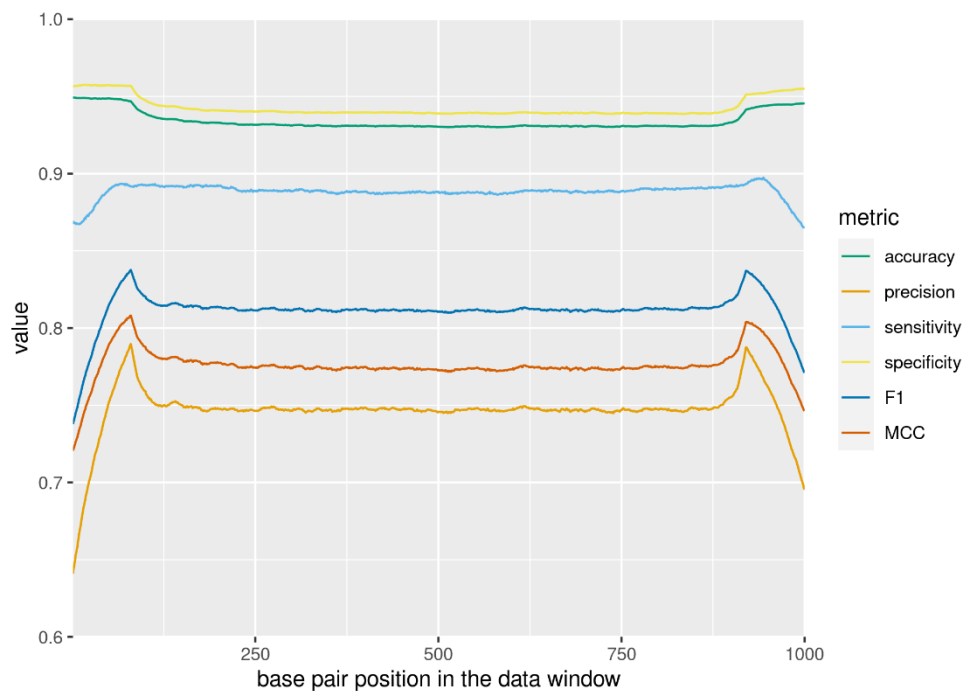


Additional file 3: Position metric plots of the evaluated models for 1000 and 500 train sizes



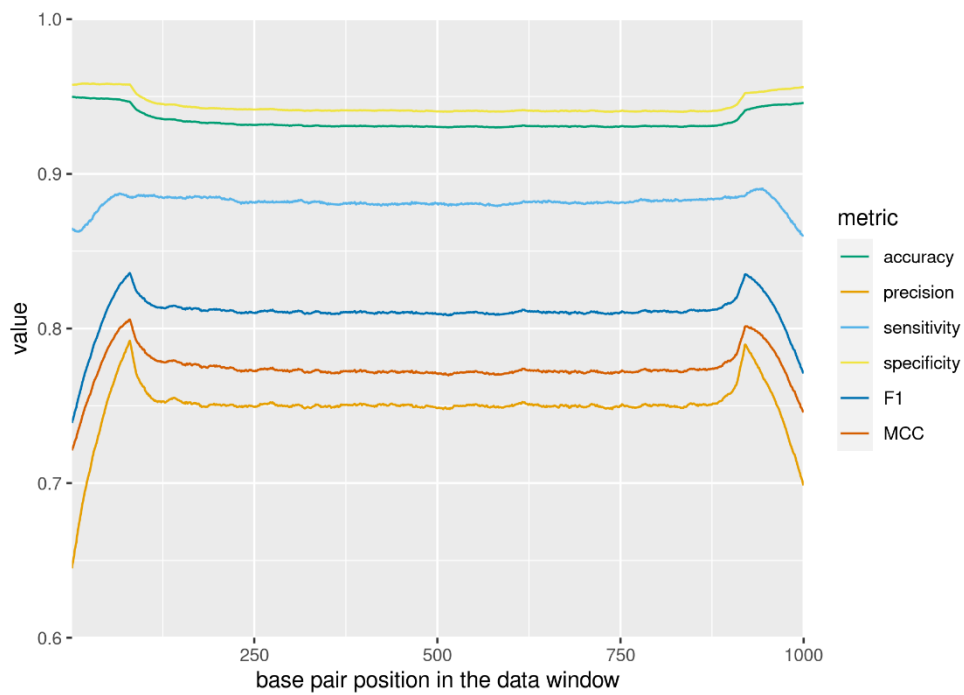
Position metric plot of **model 1** (1D CNN with batch normalization, reverse weighting, causal padding) for 1000 data segment train size



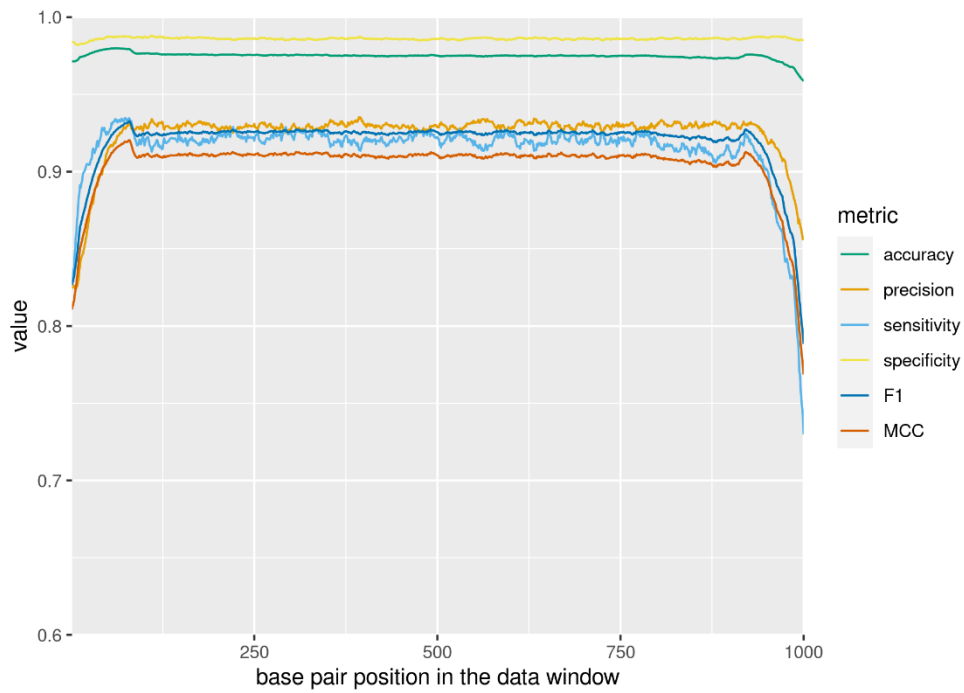
Position metric plot of **model 2** (Dense NN with batch normalization, reverse weighting) for 1000 data segment train size



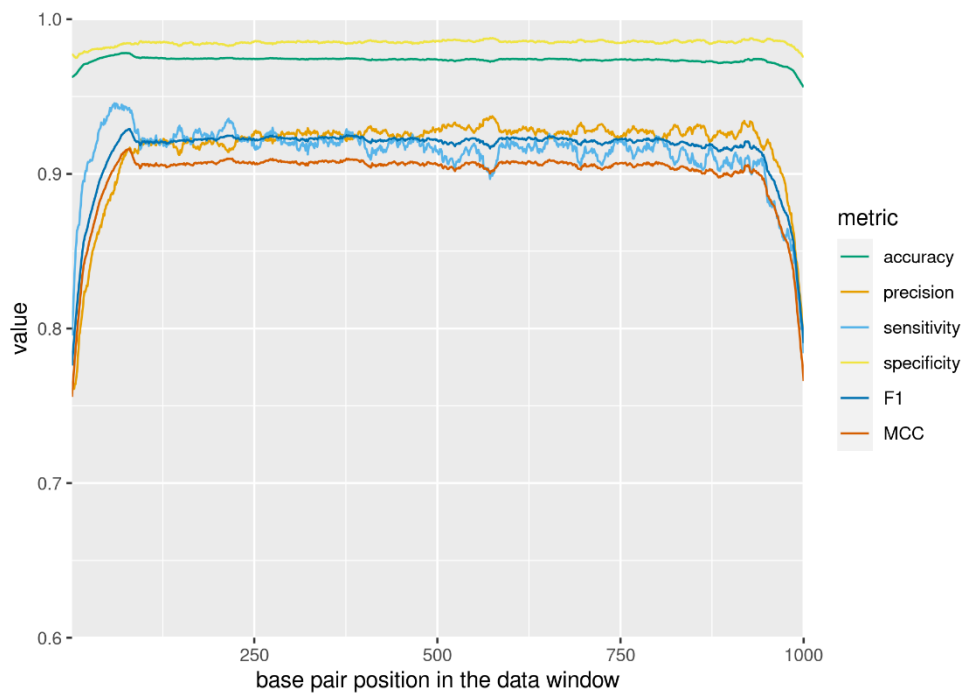
Position metric plot of **model 3** (1D CNN with reverse weighting, causal padding) for 1000 data segment train size



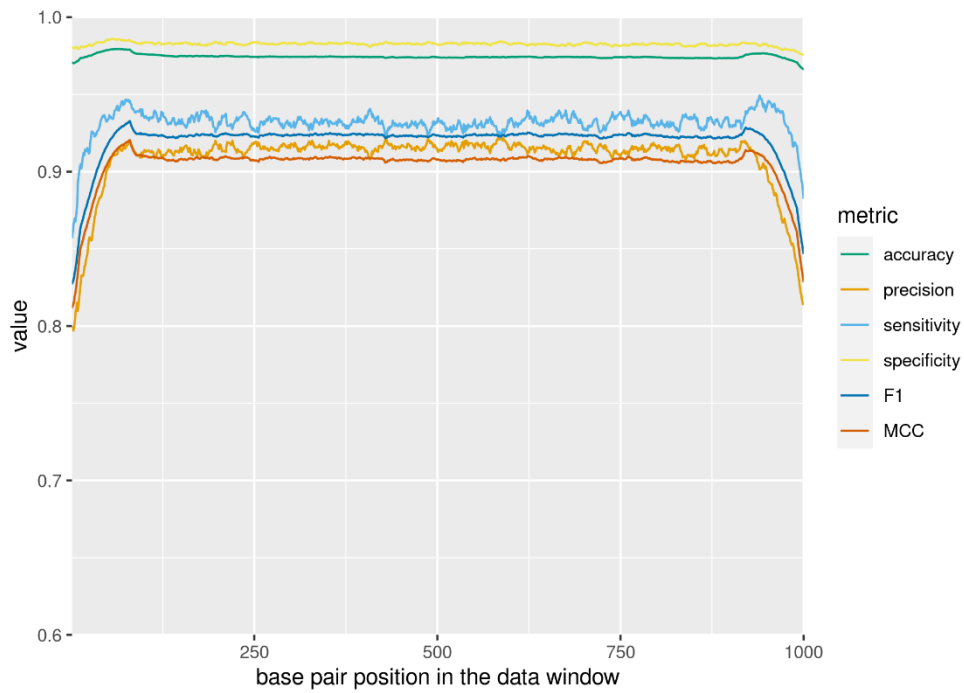
Position metric plot of **model 4** (Dense NN with reverse weighting) for 1000 data segment train size



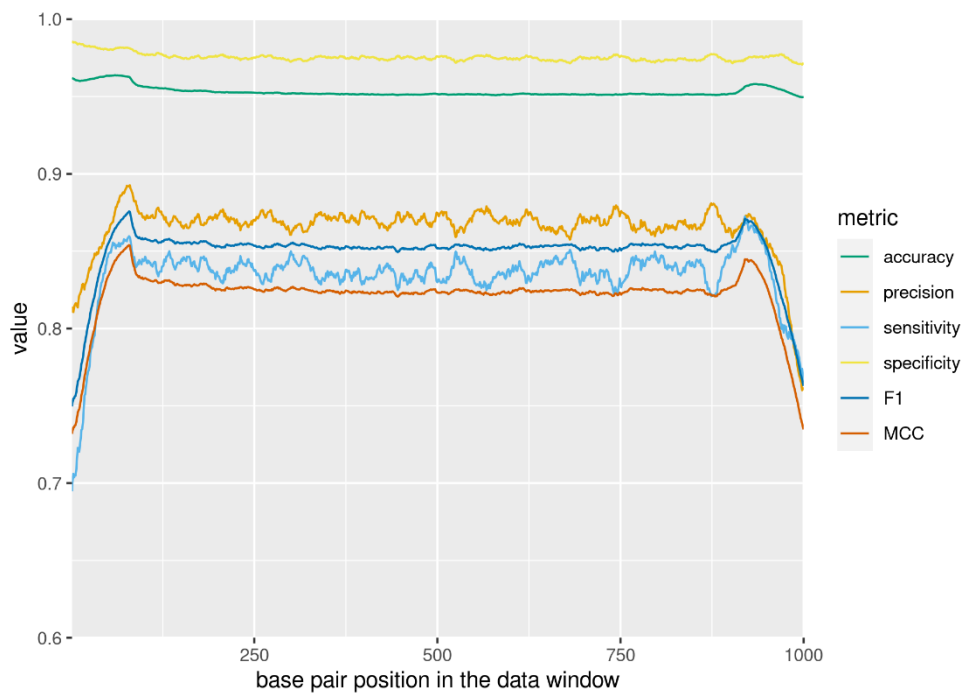
Position metric plot of **model 5** (1D CNN with batch normalization, causal padding) for 1000 data segment train size



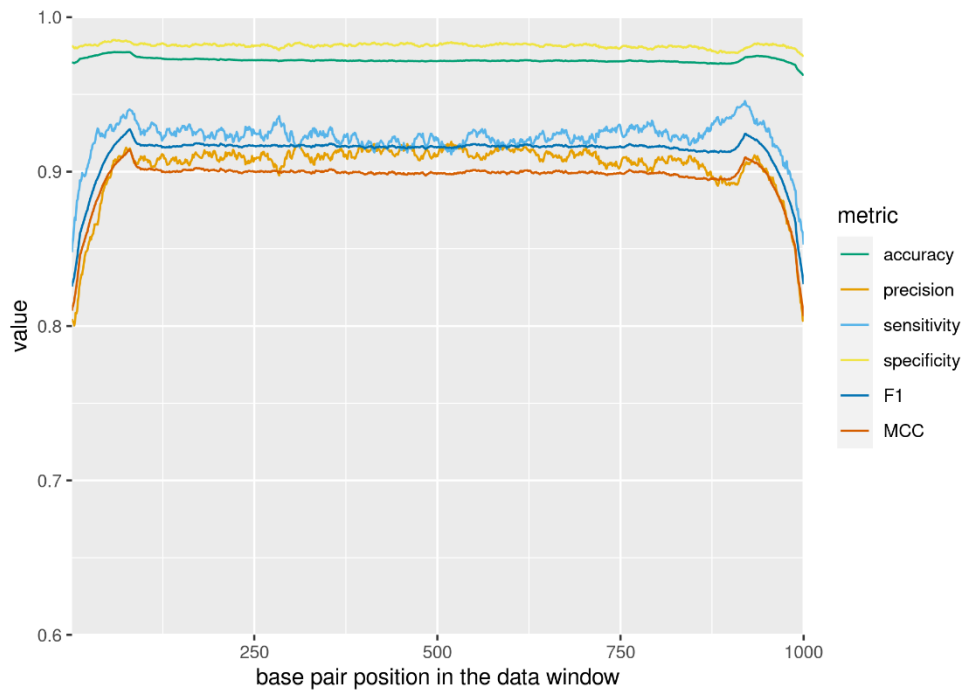
Position metric plot of **model 6** (1D CNN with batch normalization, reverse weighting, valid padding) for 1000 data segment train size



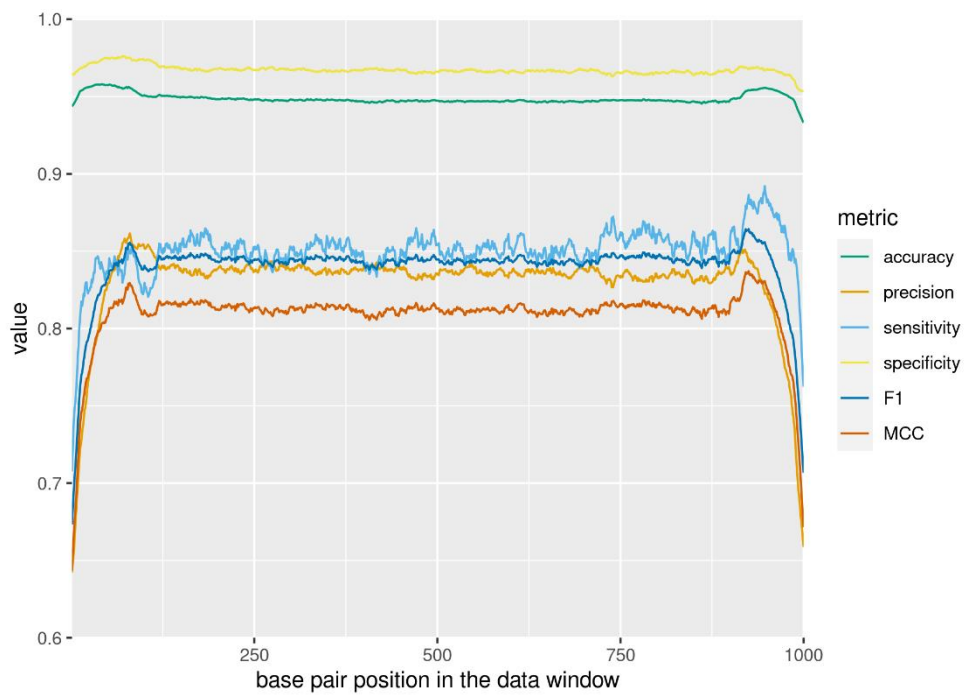
Position metric plot of **model 7** (1D CNN with batch normalization, reverse weighting, same padding) for 1000 data segment train size



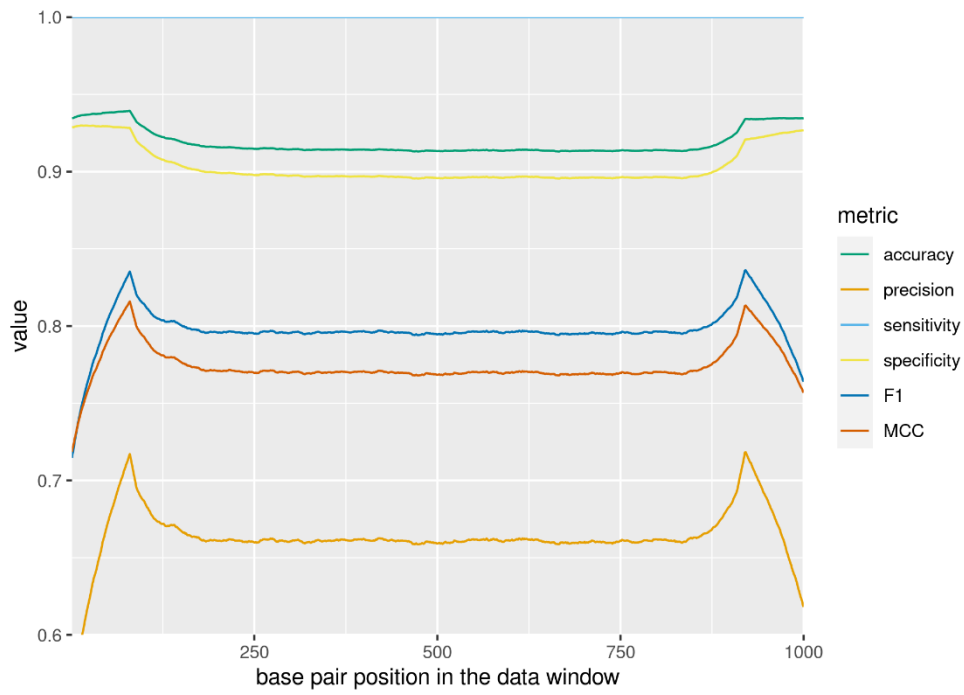
Position metric plot of **model 8** (1D CNN with batch normalization, reverse weighting, causal padding, WITHOUT on-target input data) for 1000 data segment train size



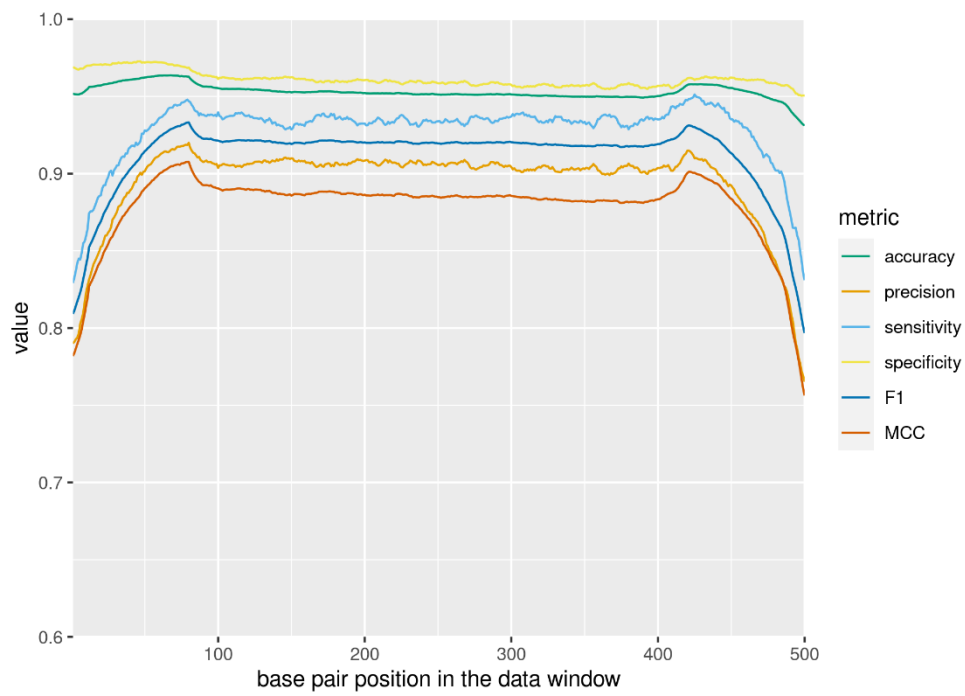
Position metric plot of **model 9** (1D CNN with batch normalization, reverse weighting, causal padding, WITHOUT sequence information input data) for 1000 data segment train size



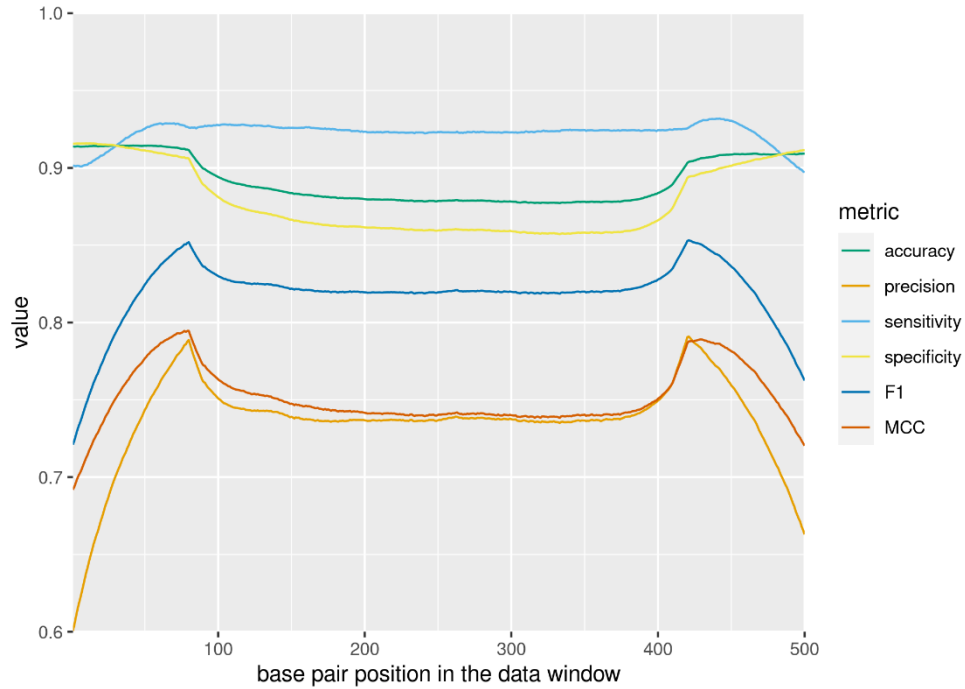
Position metric plot of **model 10** (1D CNN with batch normalization, reverse weighting, causal padding, WITHOUT coverage depth information input data) for 1000 data segment train size



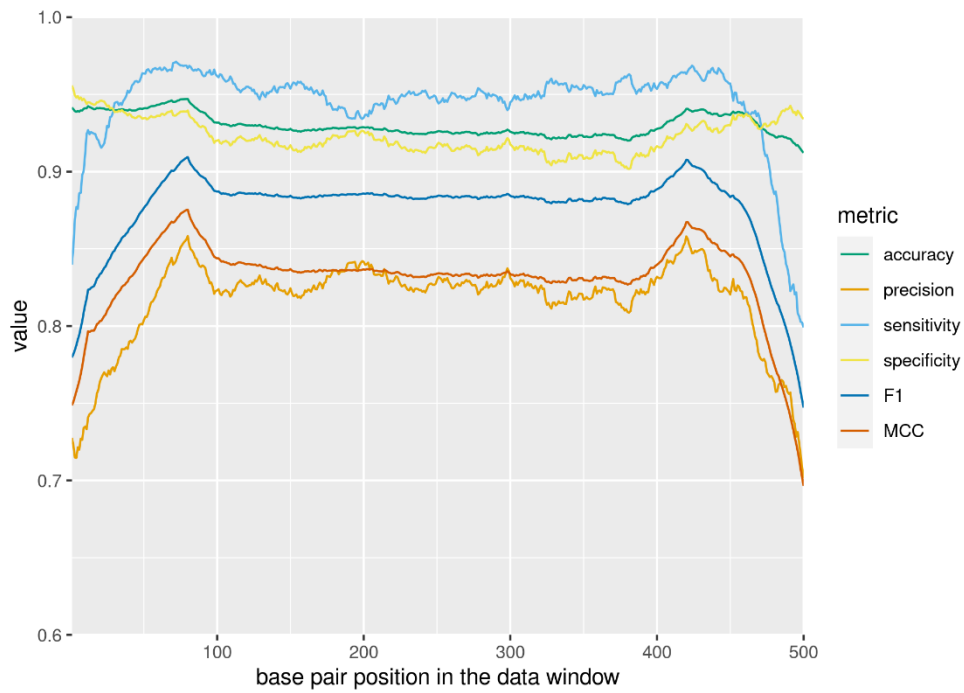
Position metric plot of **model 11** (NOTE, this is not a NN prediction. In this baseline model the metrics were calculated between the truth and the on-target information used as predicted bait positions for the 1000 base pair window size data segment evaluation examples).



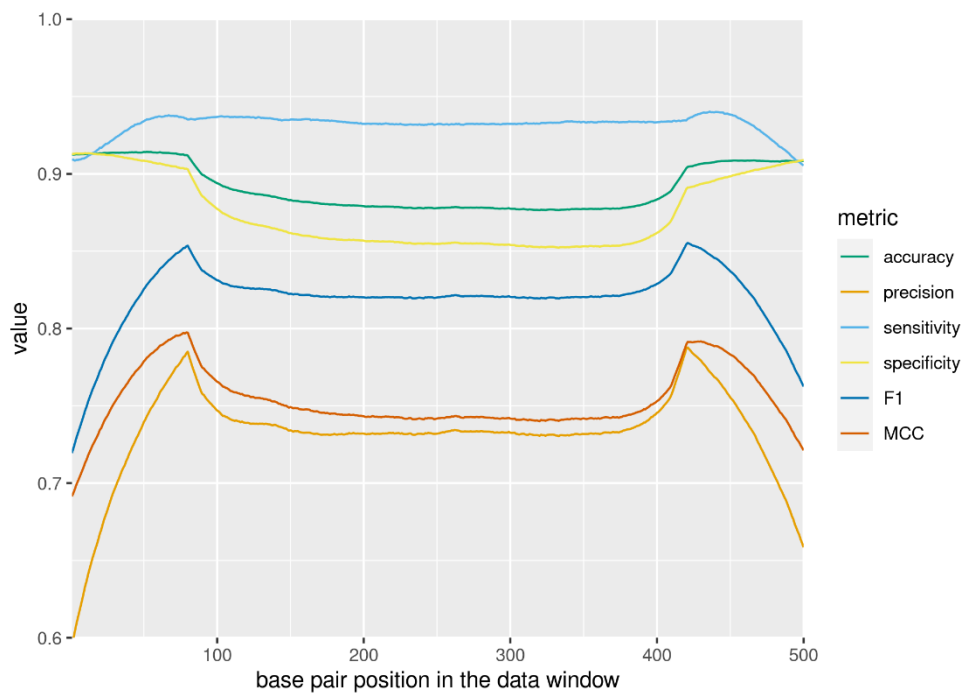
Position metric plot of **model 1** (1D CNN with batch normalization, reverse weighting, causal padding) for 500 data segment train size



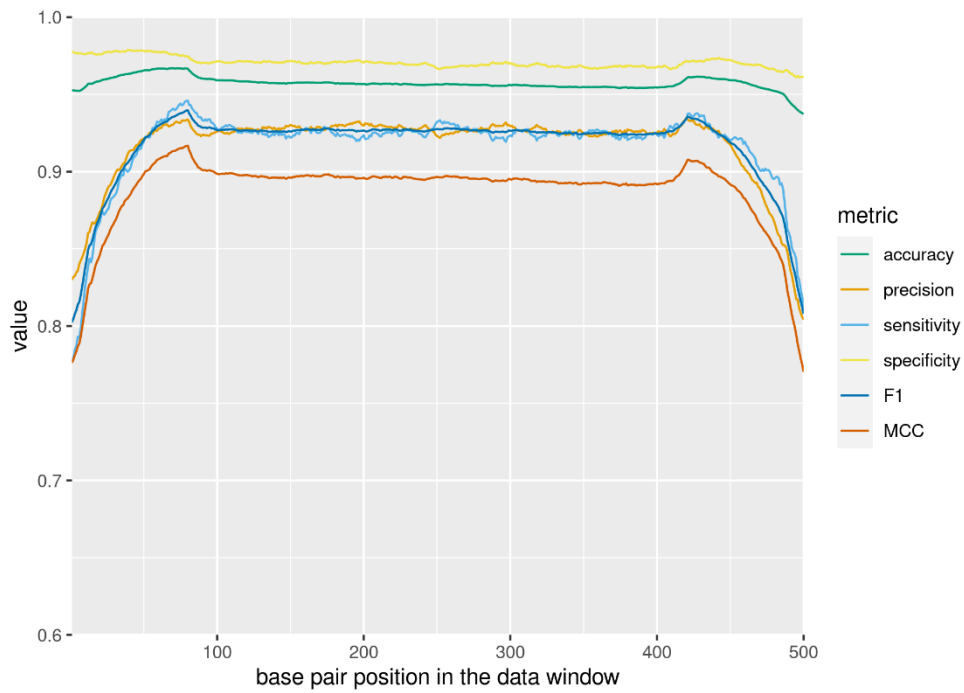
Position metric plot of **model 2** (Dense NN with batch normalization, reverse weighting) for 500 data segment train size



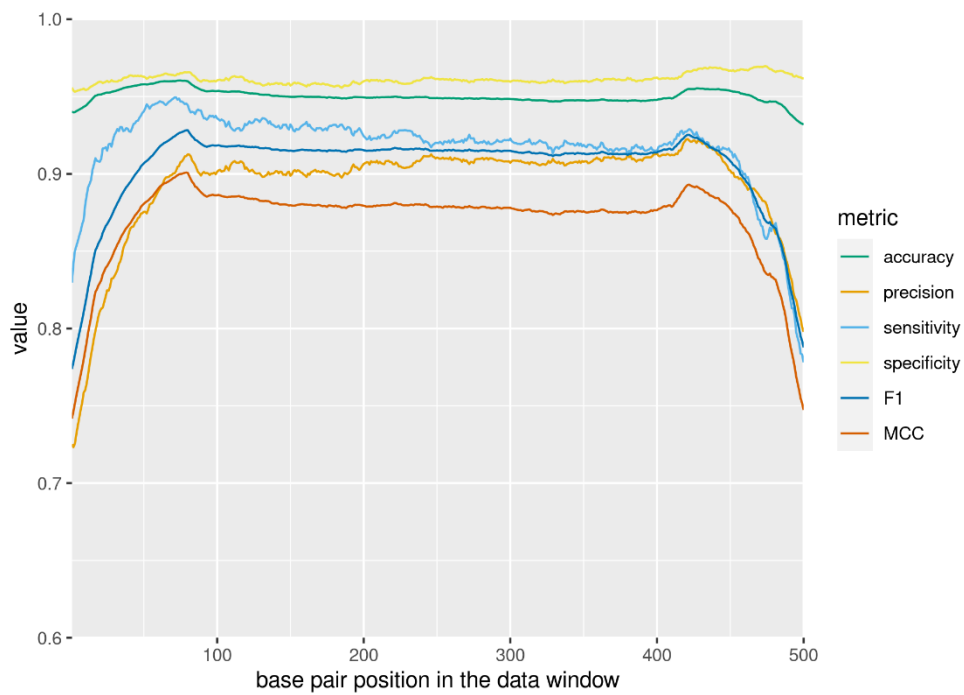
Position metric plot of **model 3** (1D CNN with reverse weighting, causal padding) for 500 data segment train size



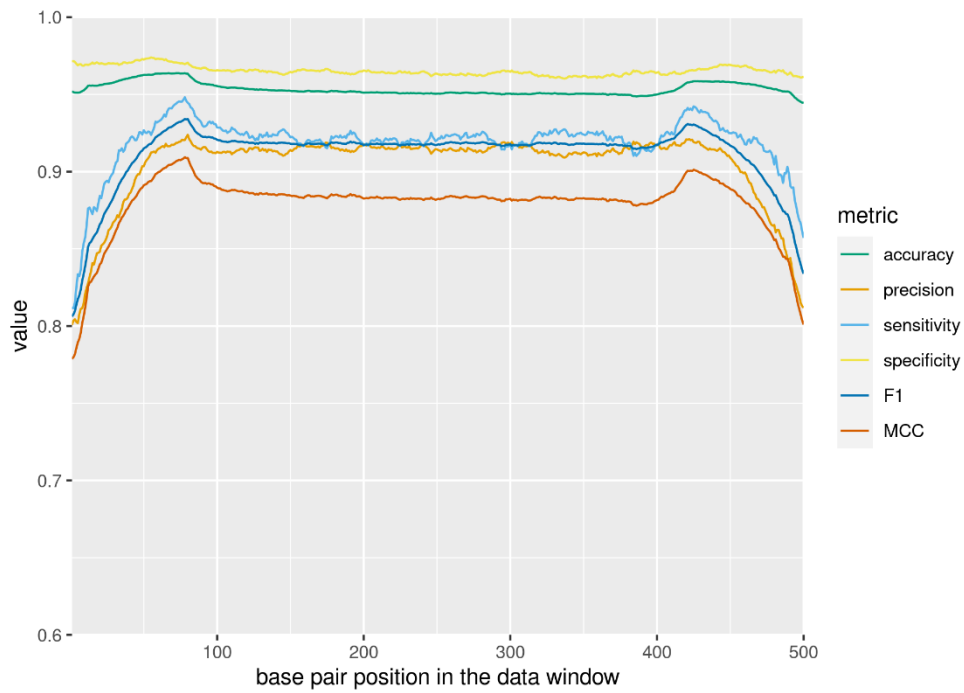
Position metric plot of **model 4** (Dense NN with reverse weighting) for 500 data segment train size



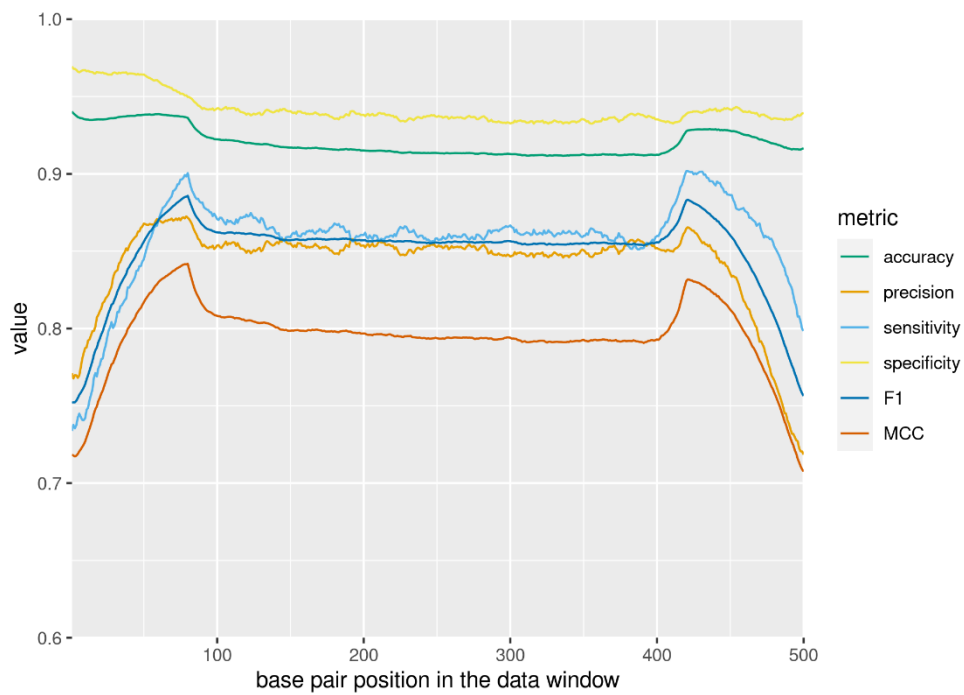
Position metric plot of **model 5** (1D CNN with batch normalization, causal padding) for 500 data segment train size



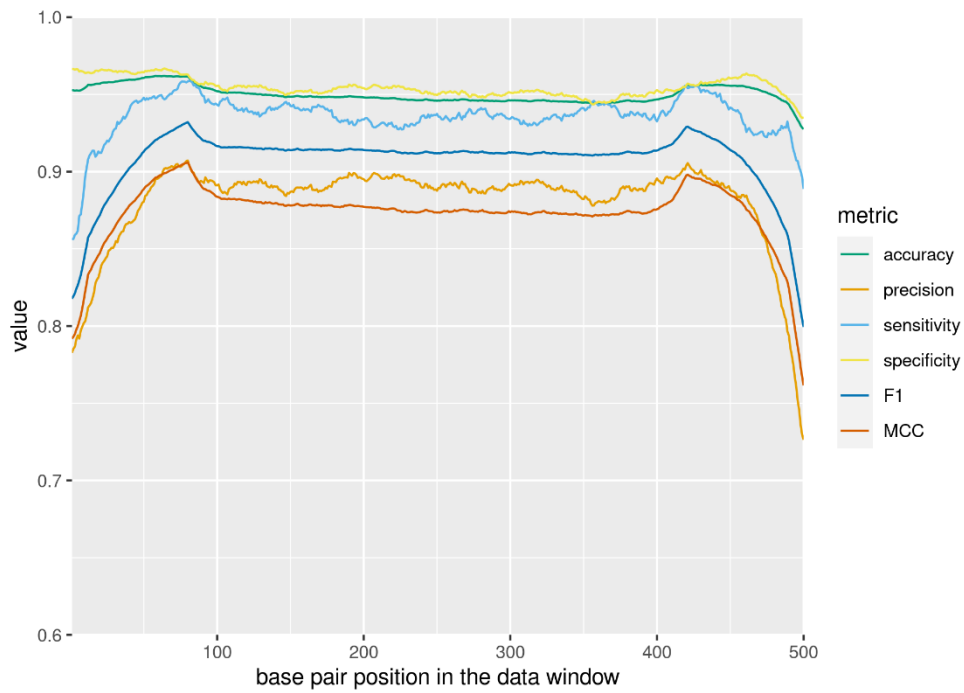
Position metric plot of **model 6** (1D CNN with batch normalization, reverse weighting, valid padding) for 500 data segment train size



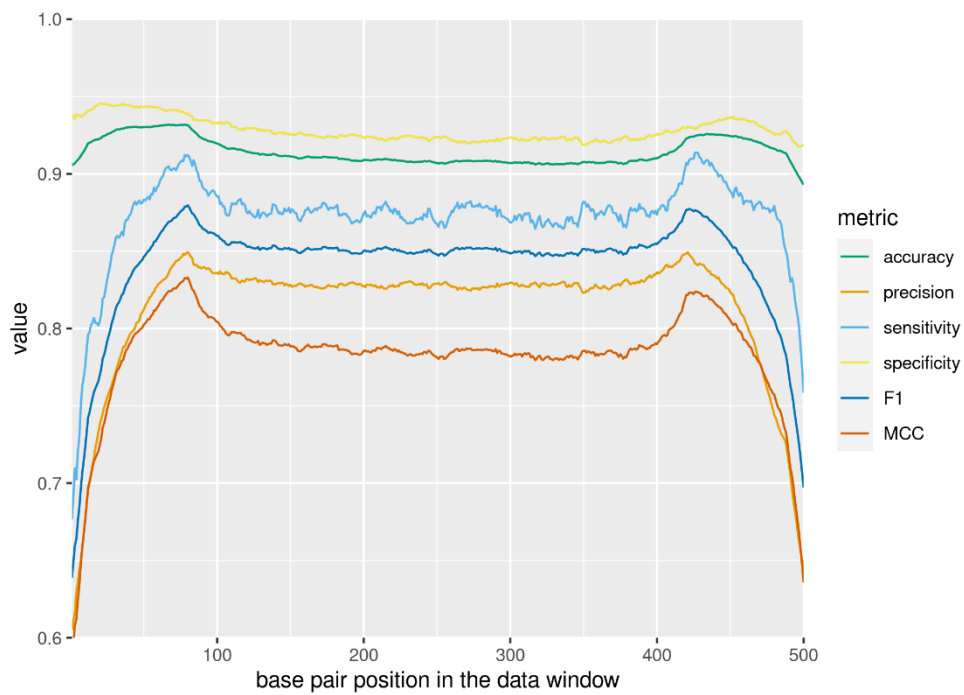
Position metric plot of **model 7** (1D CNN with batch normalization, reverse weighting, same padding) for 500 data segment train size



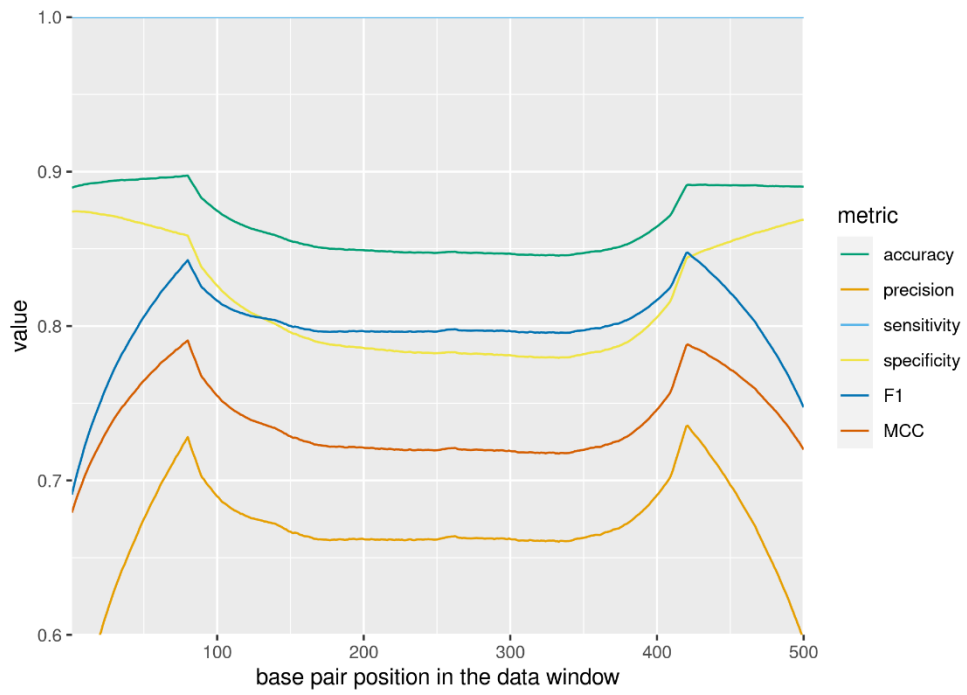
Position metric plot of **model 8** (1D CNN with batch normalization, reverse weighting, causal padding, WITHOUT on-target input data) for 500 data segment train size



Position metric plot of **model 9** (1D CNN with batch normalization, reverse weighting, causal padding, WITHOUT sequence information input data) for 500 data segment train size



Position metric plot of **model 10** (1D CNN with batch normalization, reverse weighting, causal padding, WITHOUT coverage depth information input data) for 500 data segment train size



Position metric plot of **model 11** (NOTE, this is not a NN prediction. In this baseline model the metrics were calculated between the truth and the on-target information used as predicted bait positions for the 500 base pair window size data segment evaluation examples).