I made another box-plot figure:

In the following the horizontal axis:

High-False (automtic prediction as high tmb, but ground truth is low tmb, or fase positives)

High-True (true positives)

Low-False (autoatmic prediction as low tmb, but ground truth is high tmb, or fase negatives)

Low-Ture (true negatives)

The vertical axis proportion is computed as:

For high tmb prediction:

proportion=(number of tiles with prediction probability>0.5)/(number of tiles with prediction probability<0.5)

For low tmb prediction:

Proportion==(number of tiles with prediction probability<0.5)/(number of tiles with prediction probability>0.5).

Our assumpution or expection is that ‘for true positive or true negatives, there should be relatively more correct predicted tiles (i.e., proportion value is higher) over those of fase positive or false negative (proportion value is lower)’.

From the figure, we can see the trend that follows our assumption.

