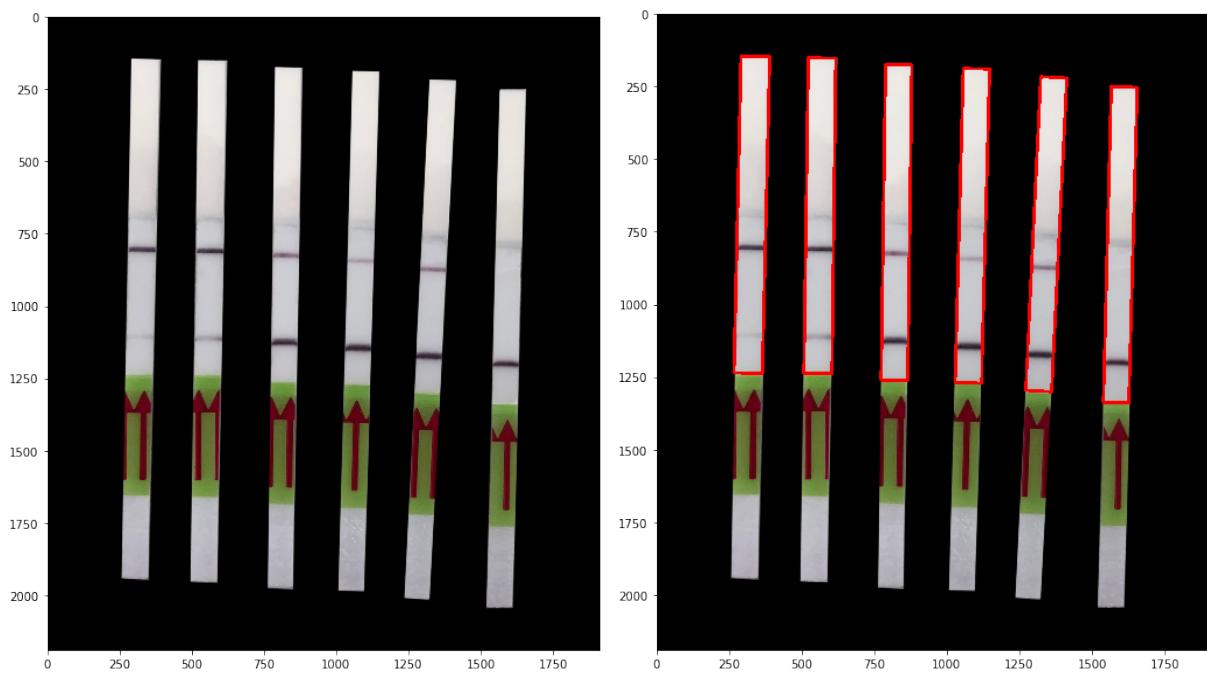
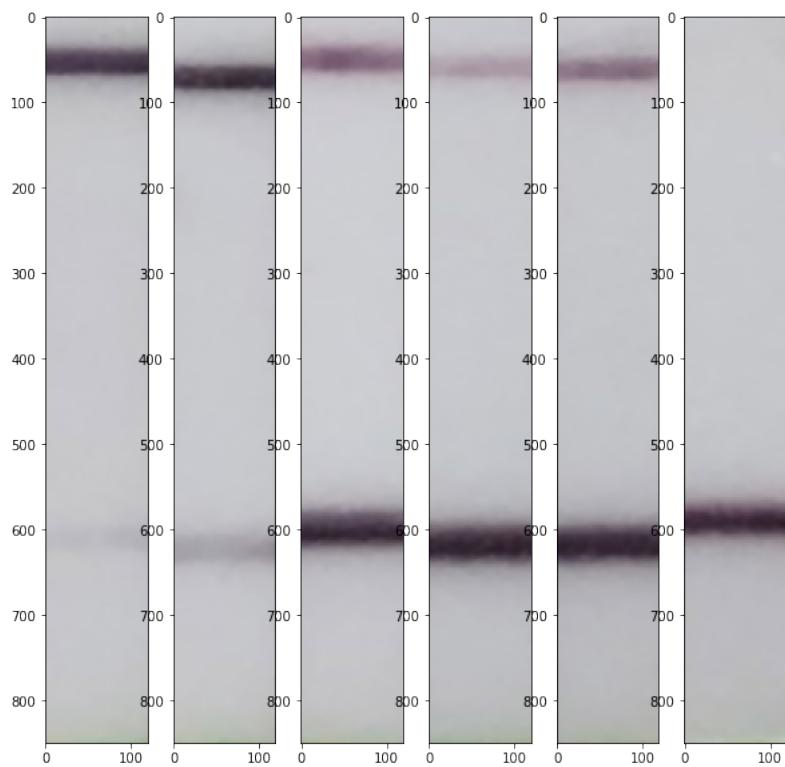


**TEST 1 - Cropped background, all clearly positive bands**

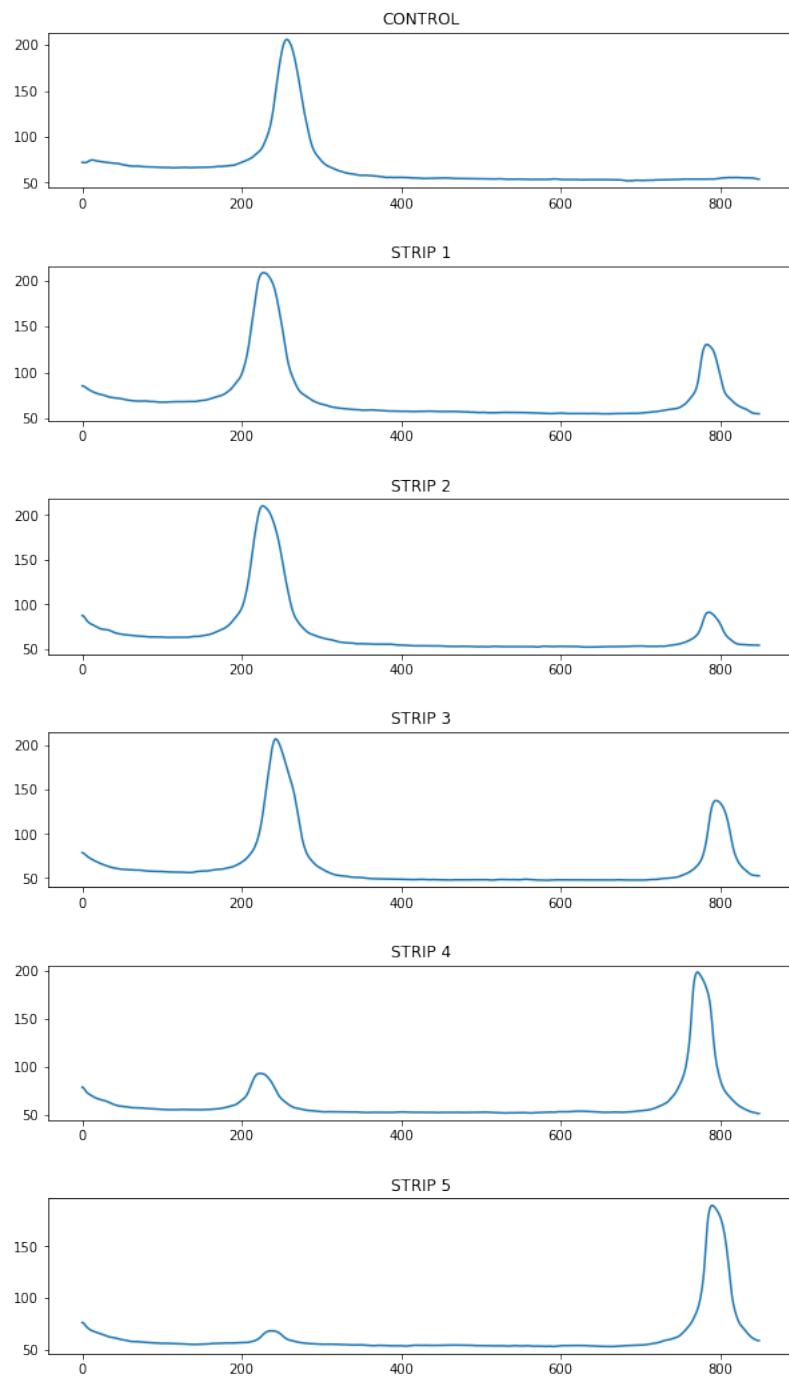
A. Original image and detected strips



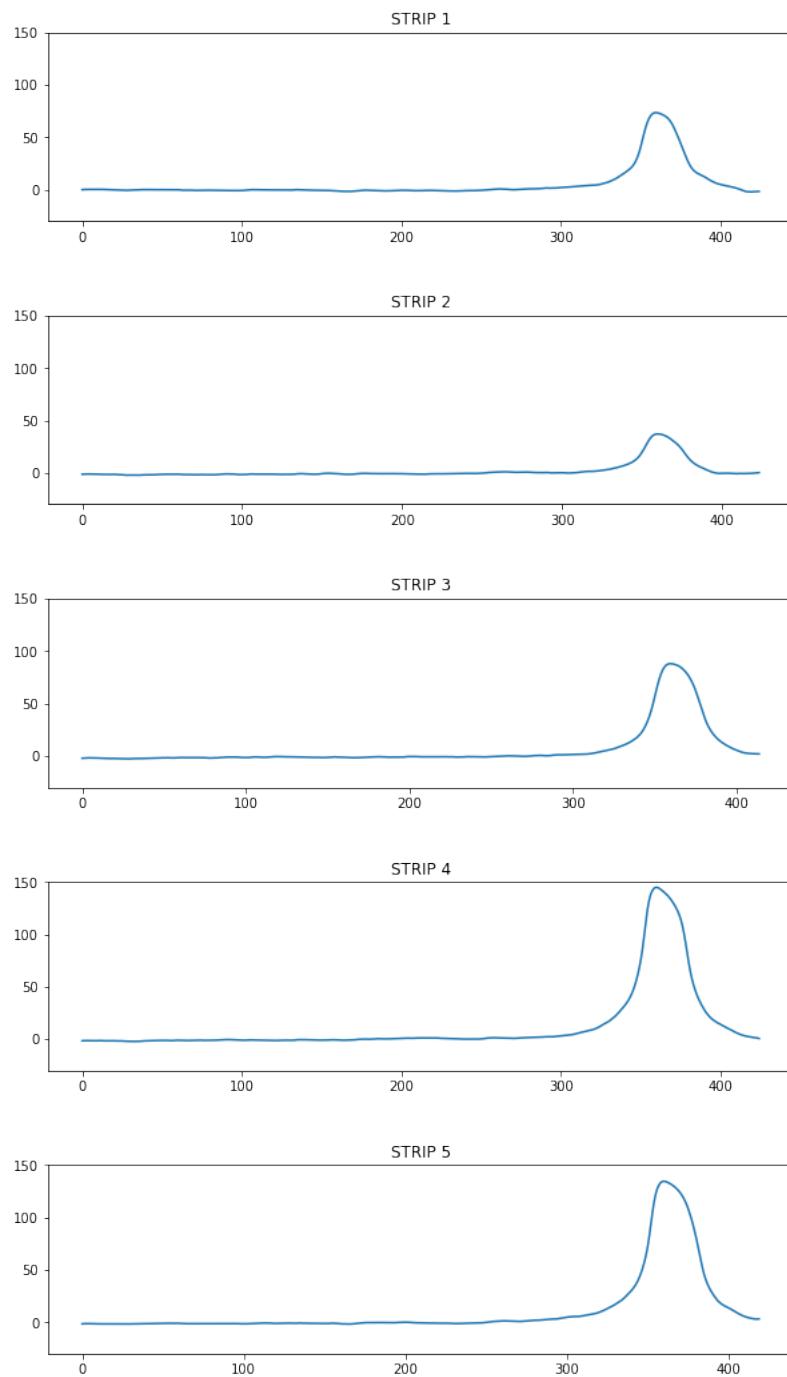
B. Cropped strips



### C. Raw intensity data



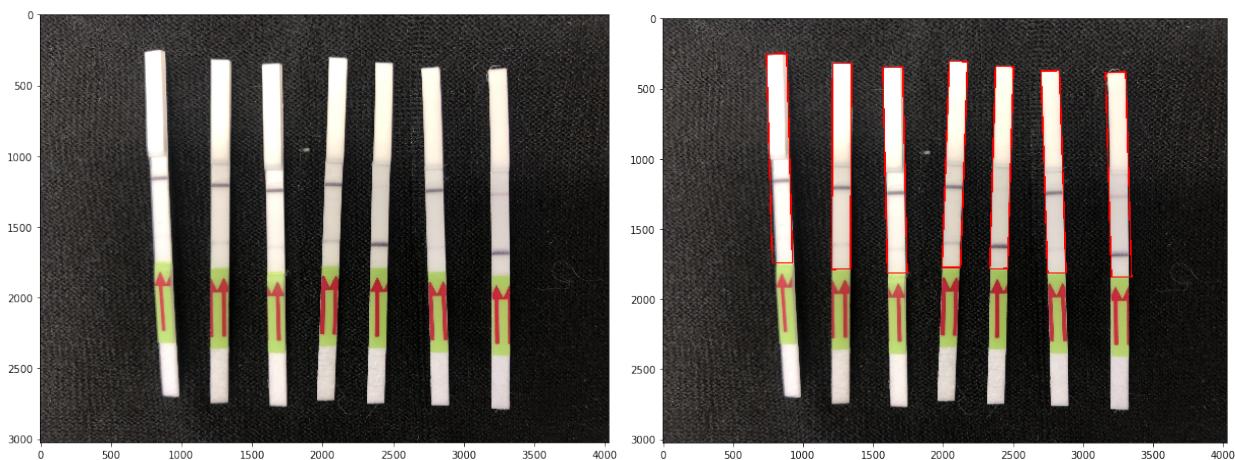
#### D. Control-normalized positive signal



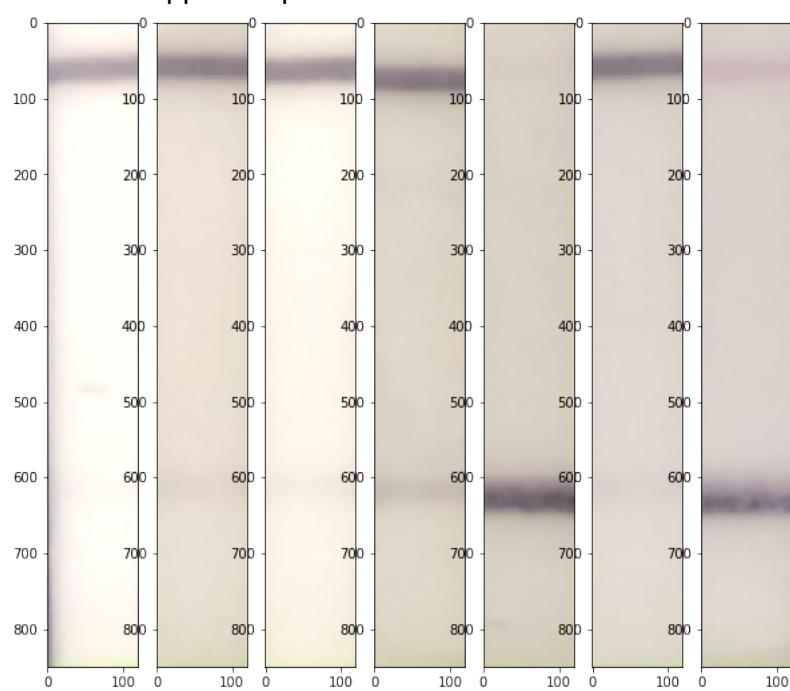
Using  $10 \times \text{sdev}$  of the normalized signal as threshold for classification, all are positive.

## TEST 2 – Original dark background, all clearly positive but one

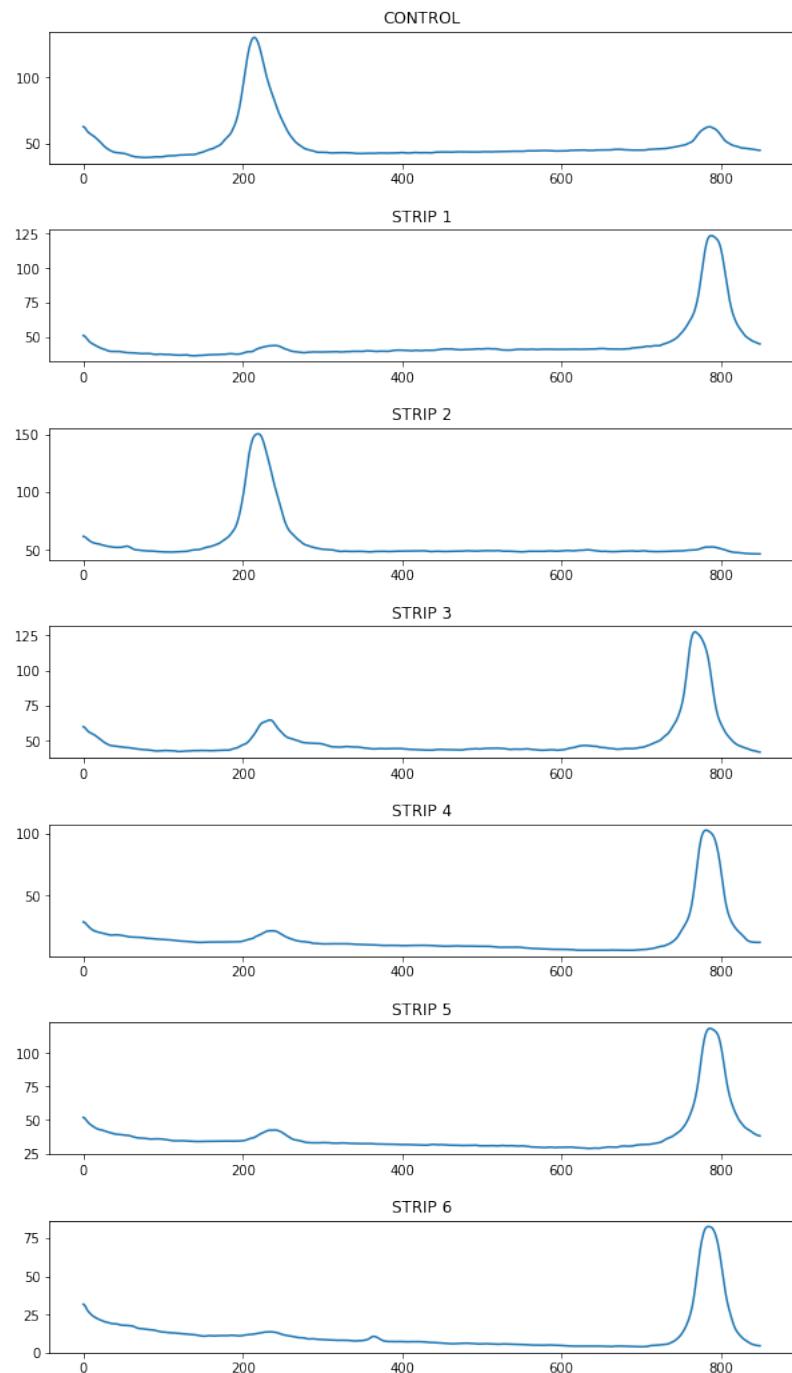
### A. Original image and detected strips



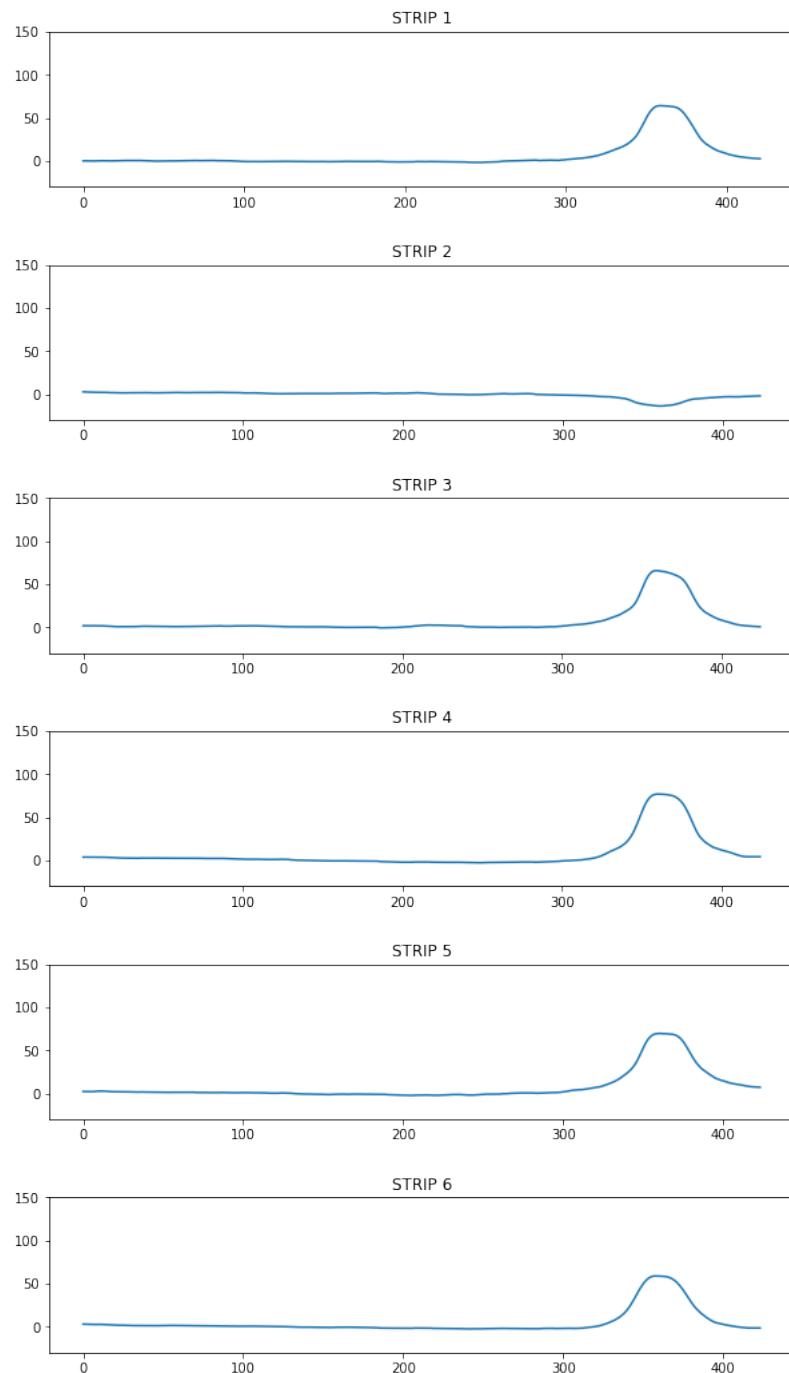
### B. Cropped strips



### C. Raw intensity data



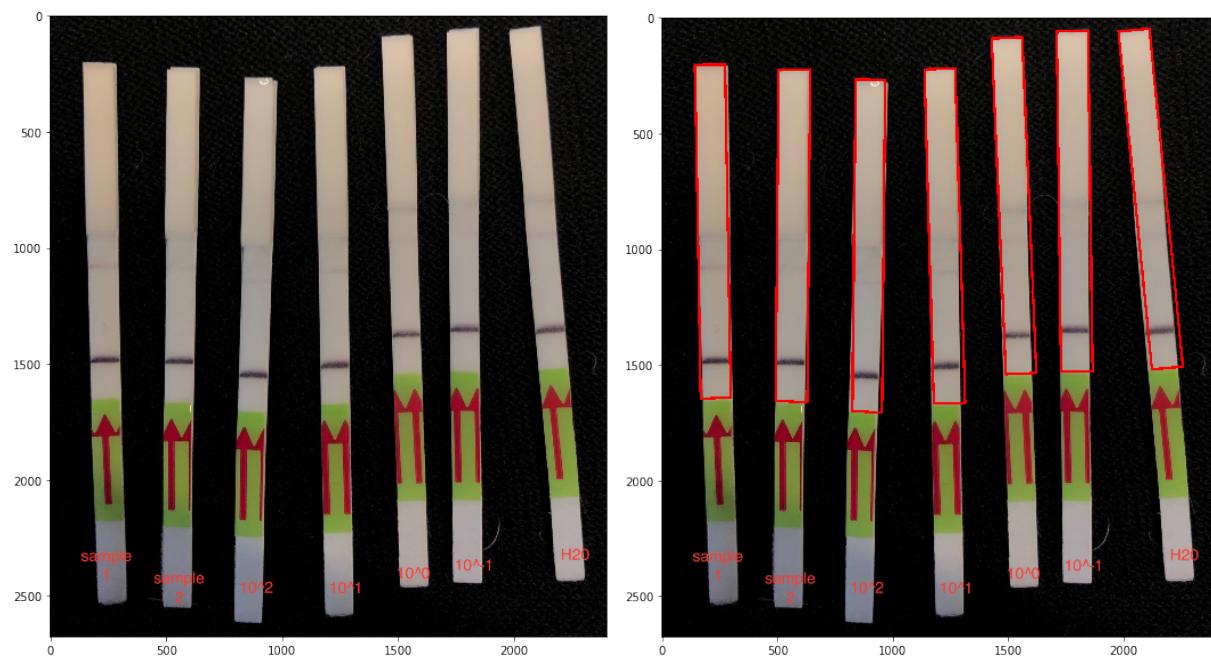
#### D. Control-normalized positive signal



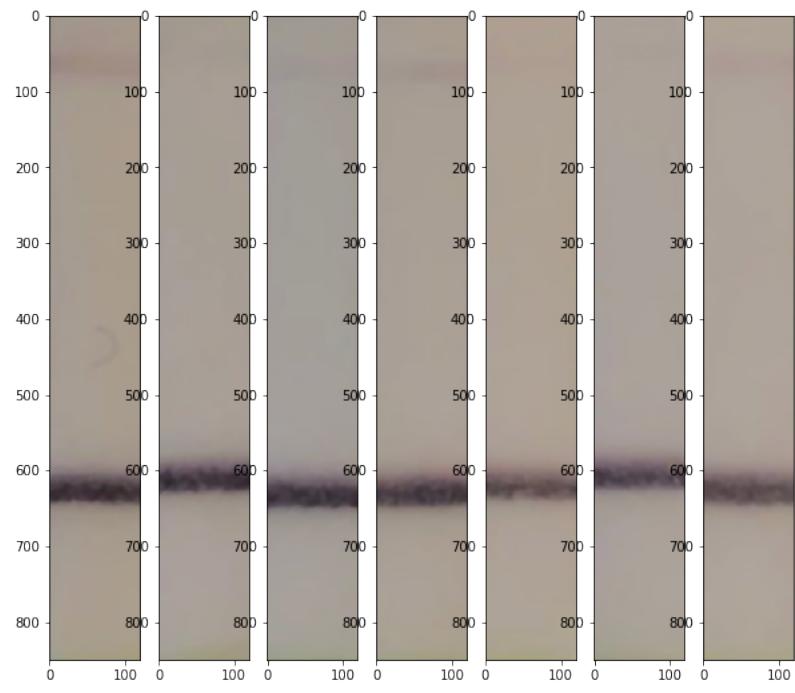
Using  $10 \times \text{sdev}$  of the normalized signal as threshold for classification, all but strip 2 are positive.

### TEST 3 – Cropped background, limit of detection

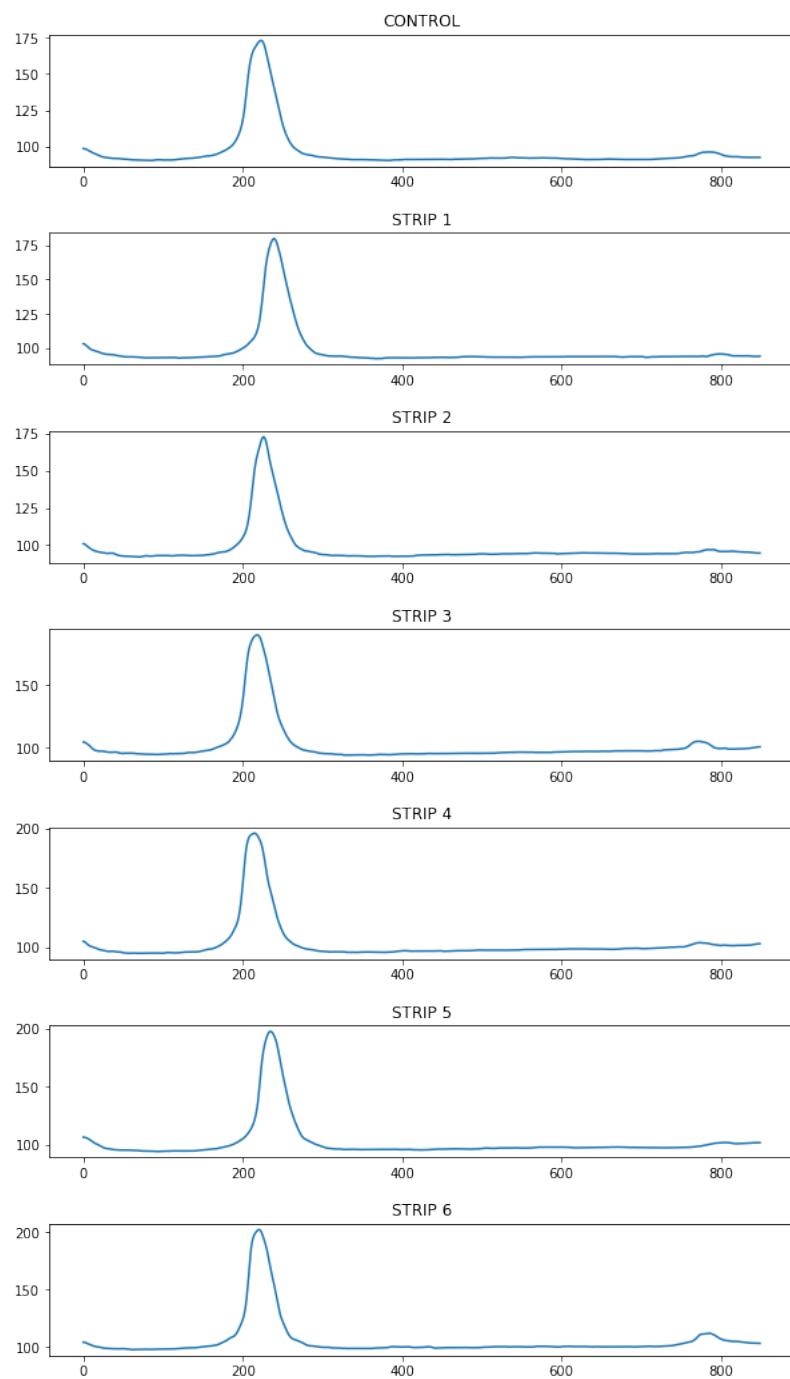
A. Original image and detected strips



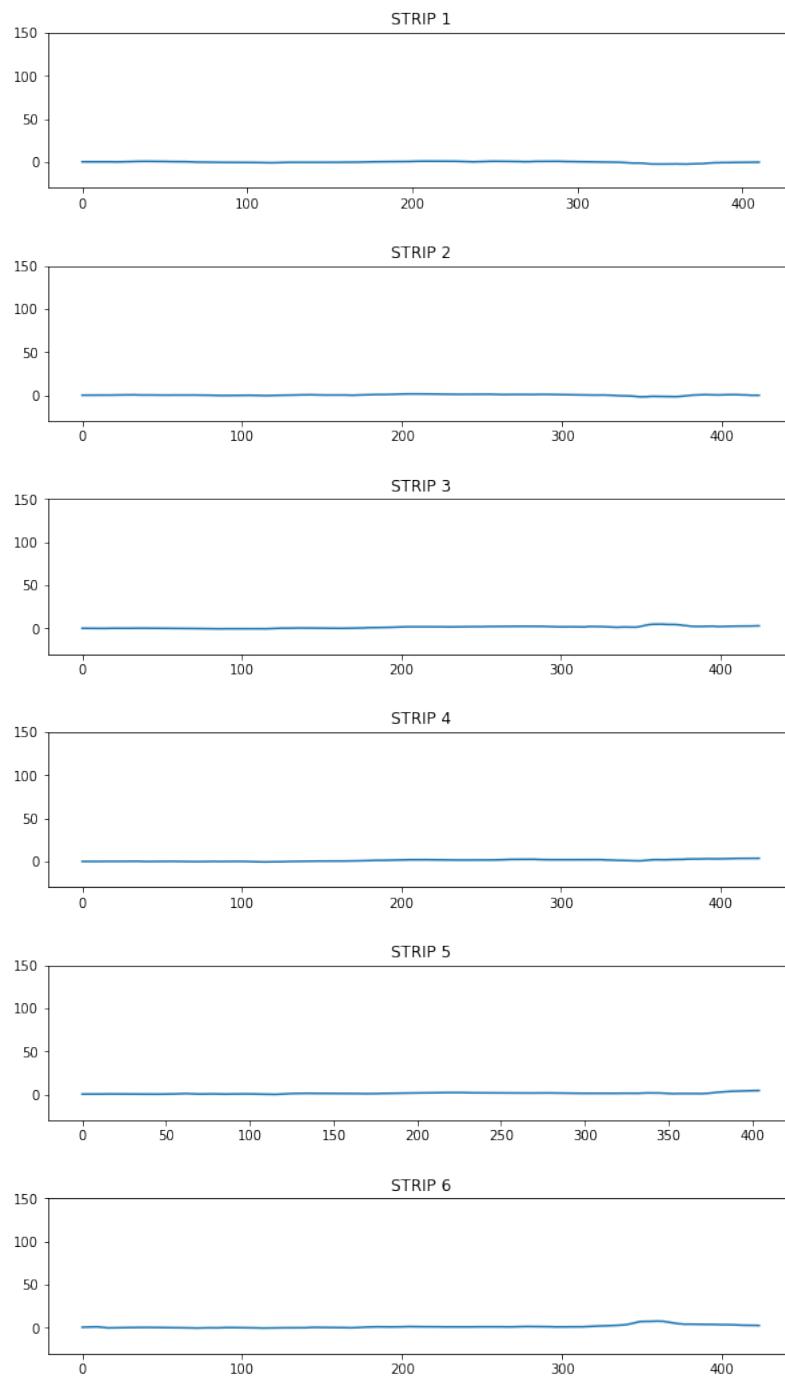
B. Cropped Strips



### C. Raw intensity data



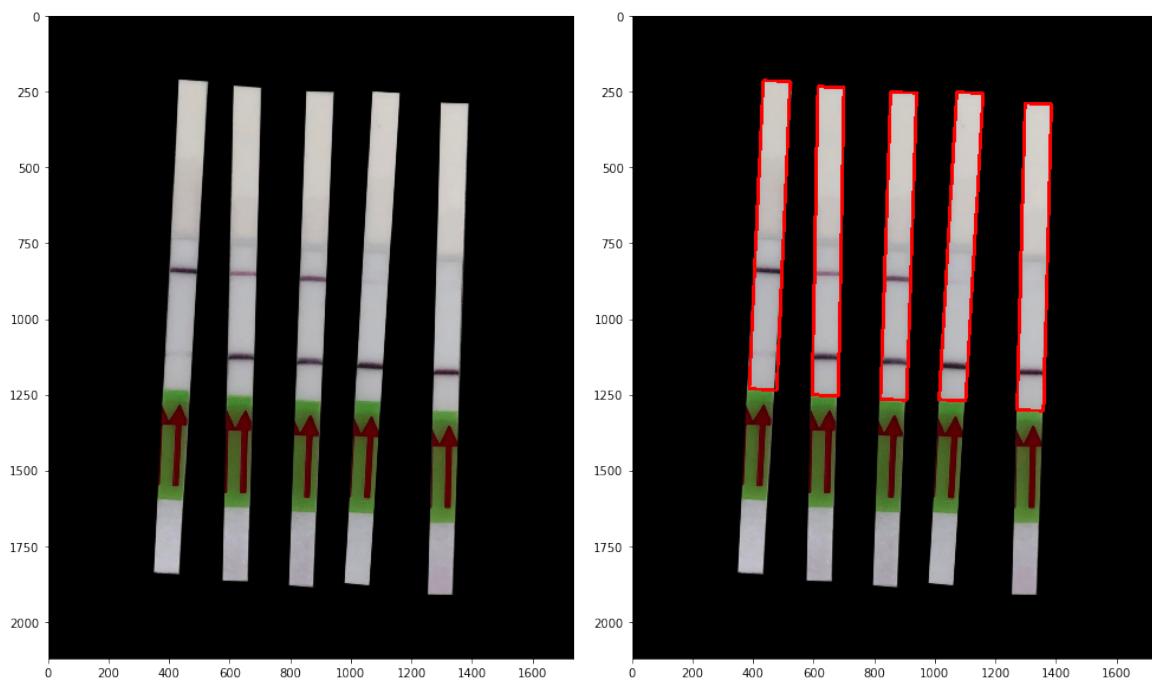
#### D. Control-normalized positive signal



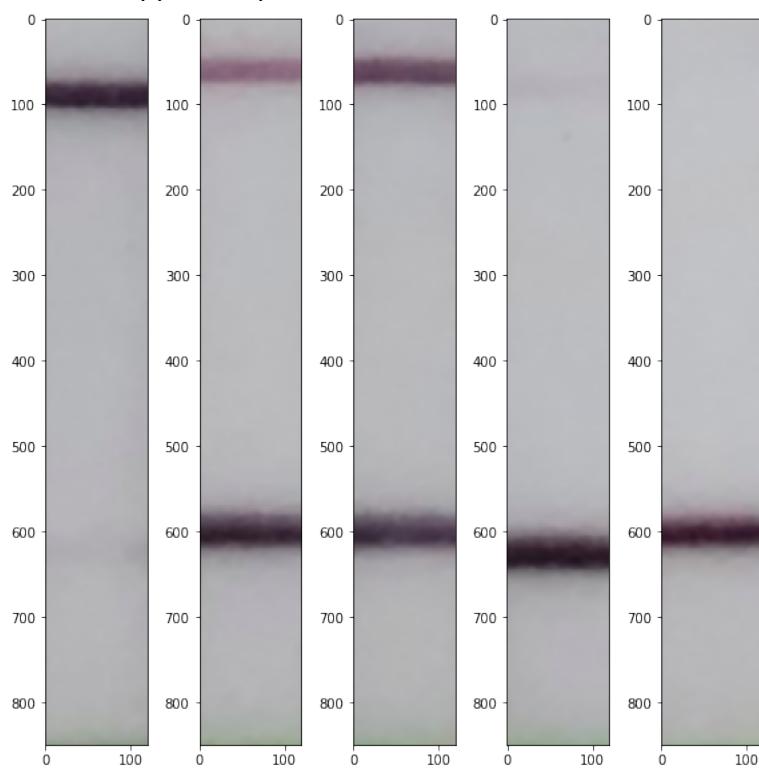
Using  $10 \times \text{sdev}$  of the normalized signal as threshold for classification, only strip 6 is considered (marginally) positive.

**TEST 4 – Cropped background, clearly positive tests and one limit of detection**

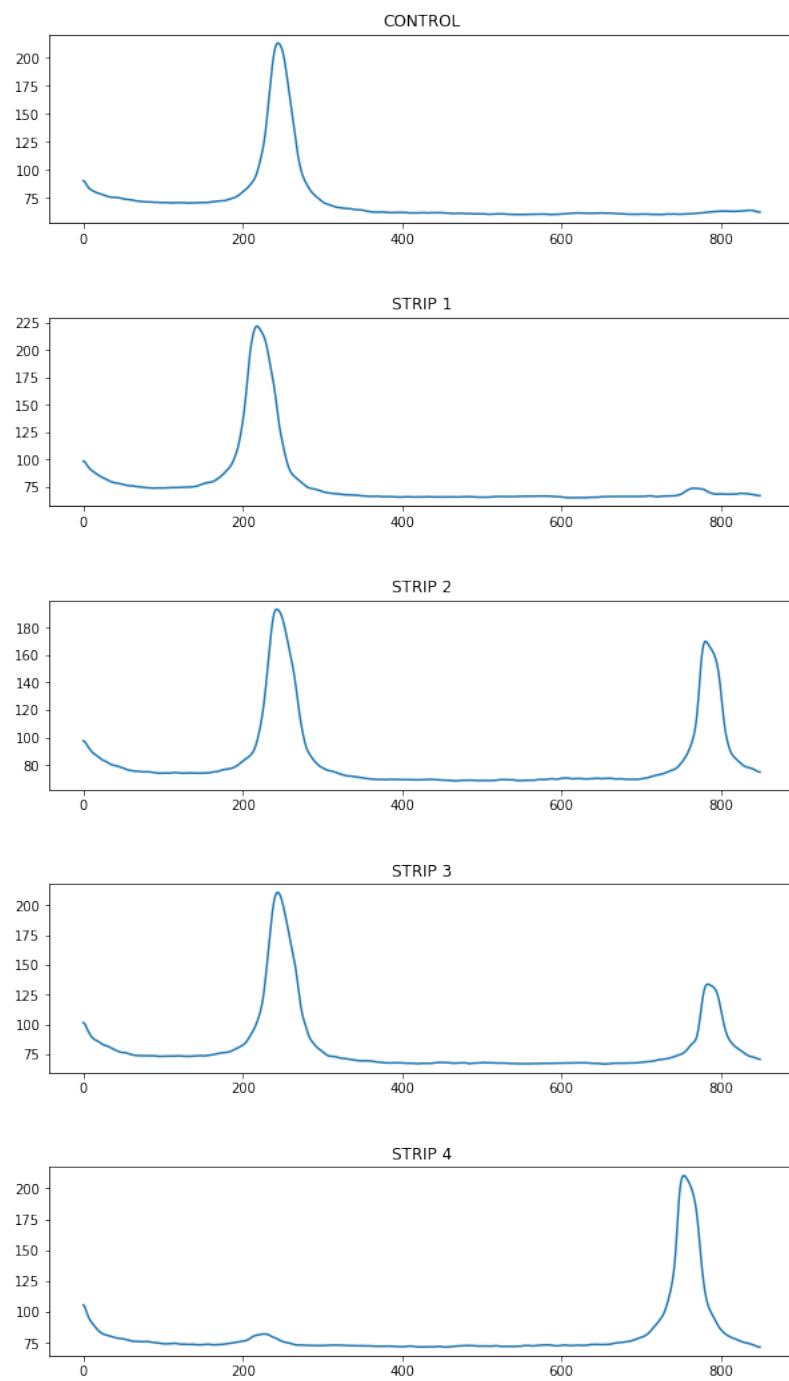
A. Original image and detected strips



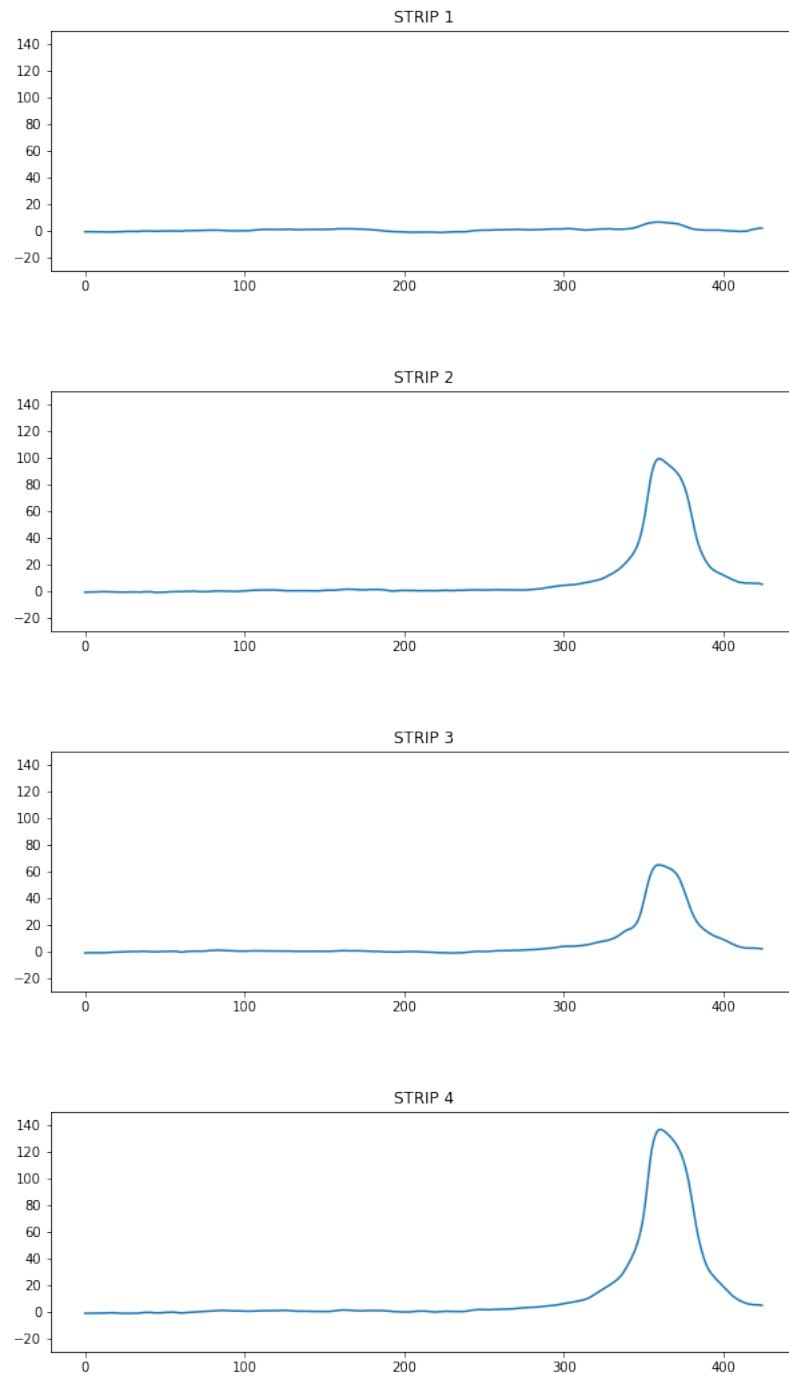
B. Cropped Strips



### C. Raw intensity data



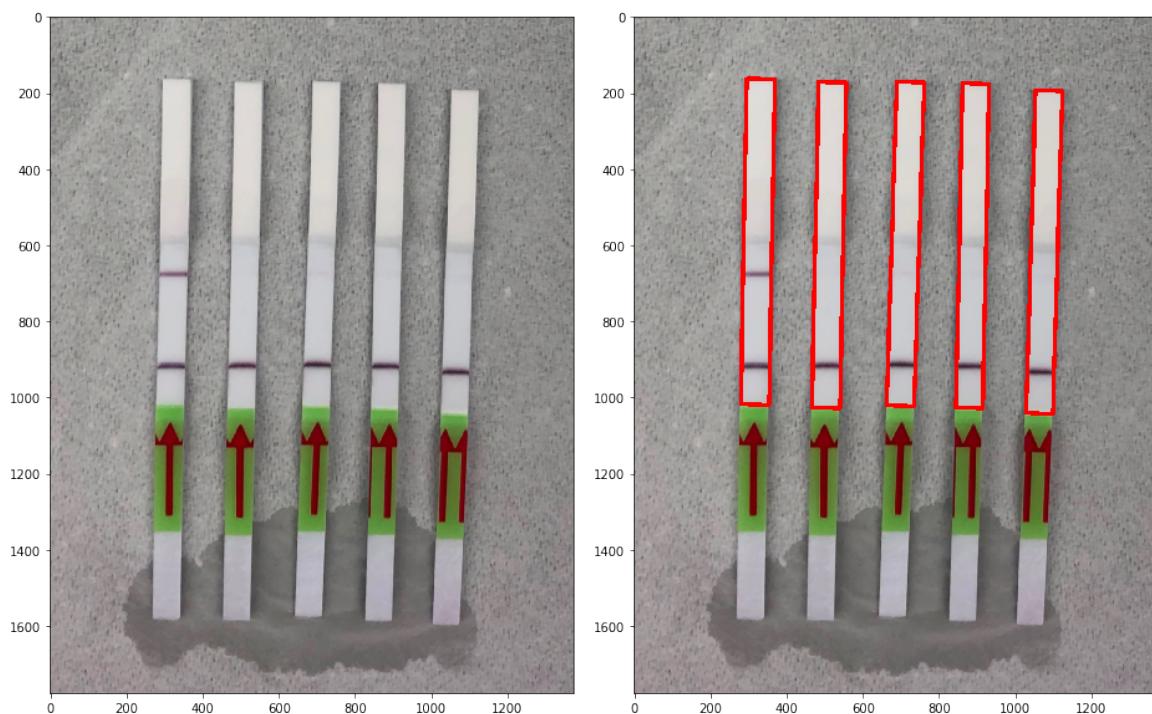
#### D. Control-normalized positive signal



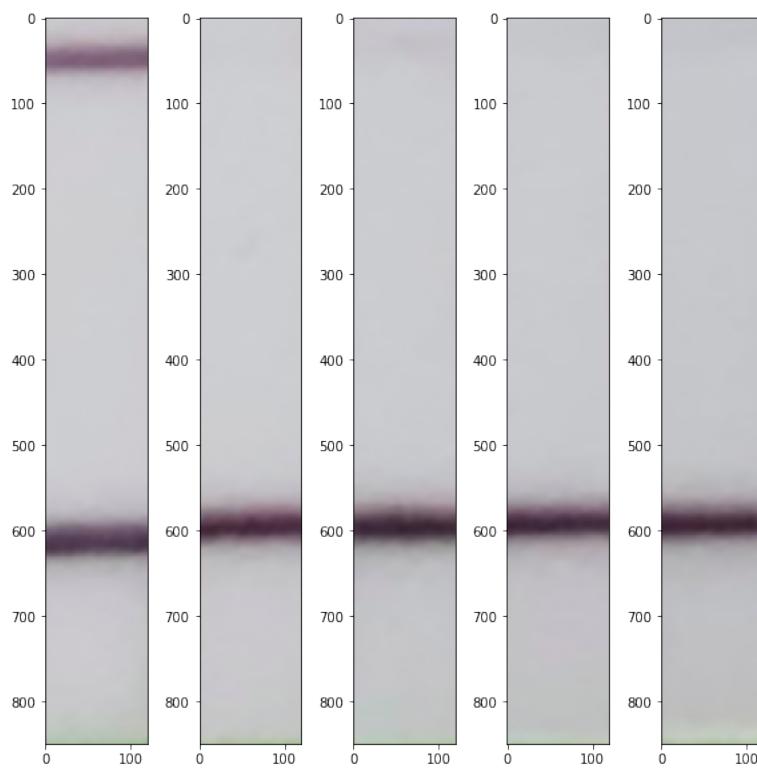
Using  $10 \times \text{sdev}$  of the normalized signal as threshold for classification, all but strip 1 are considered positive.

## TEST 5 – Original light background, only positive and limit of detection

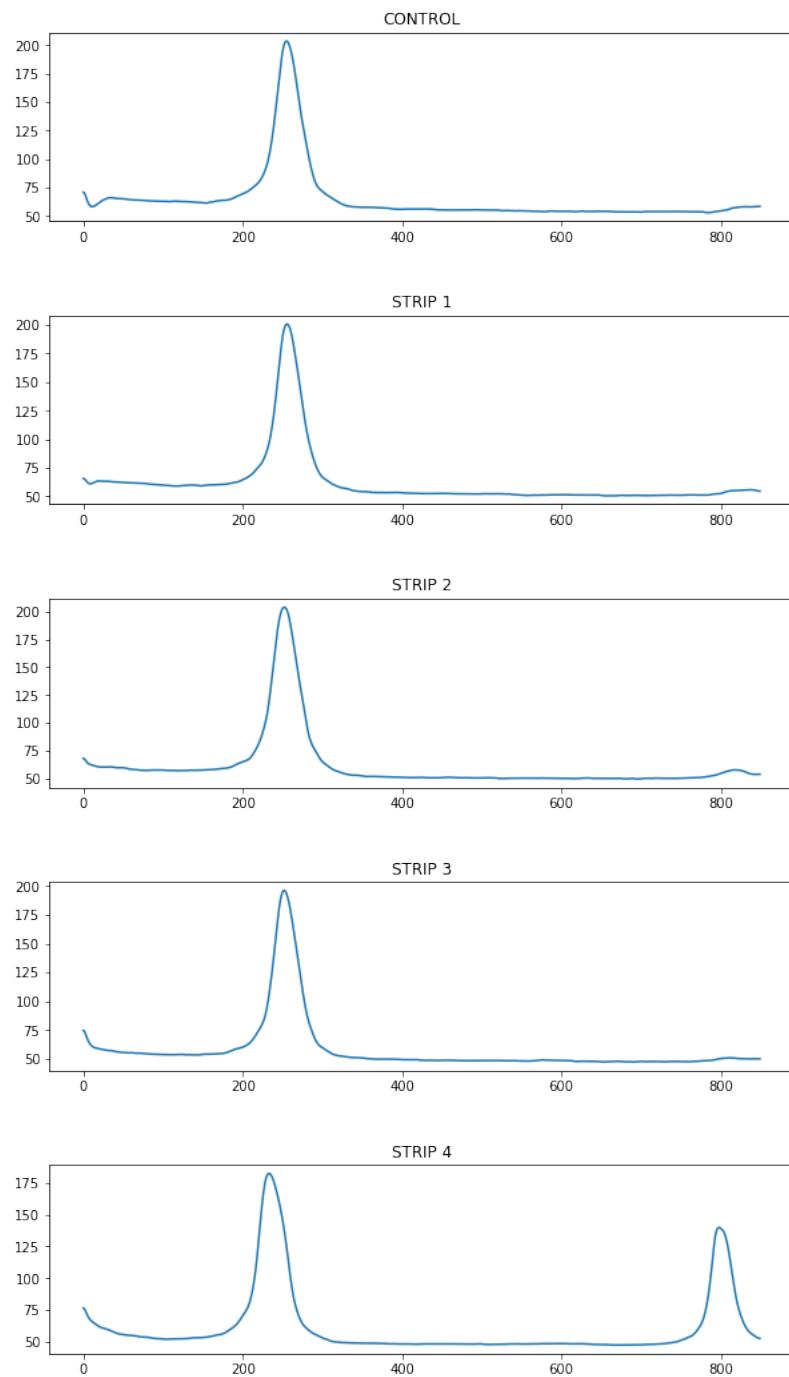
A. Original image and detected strips



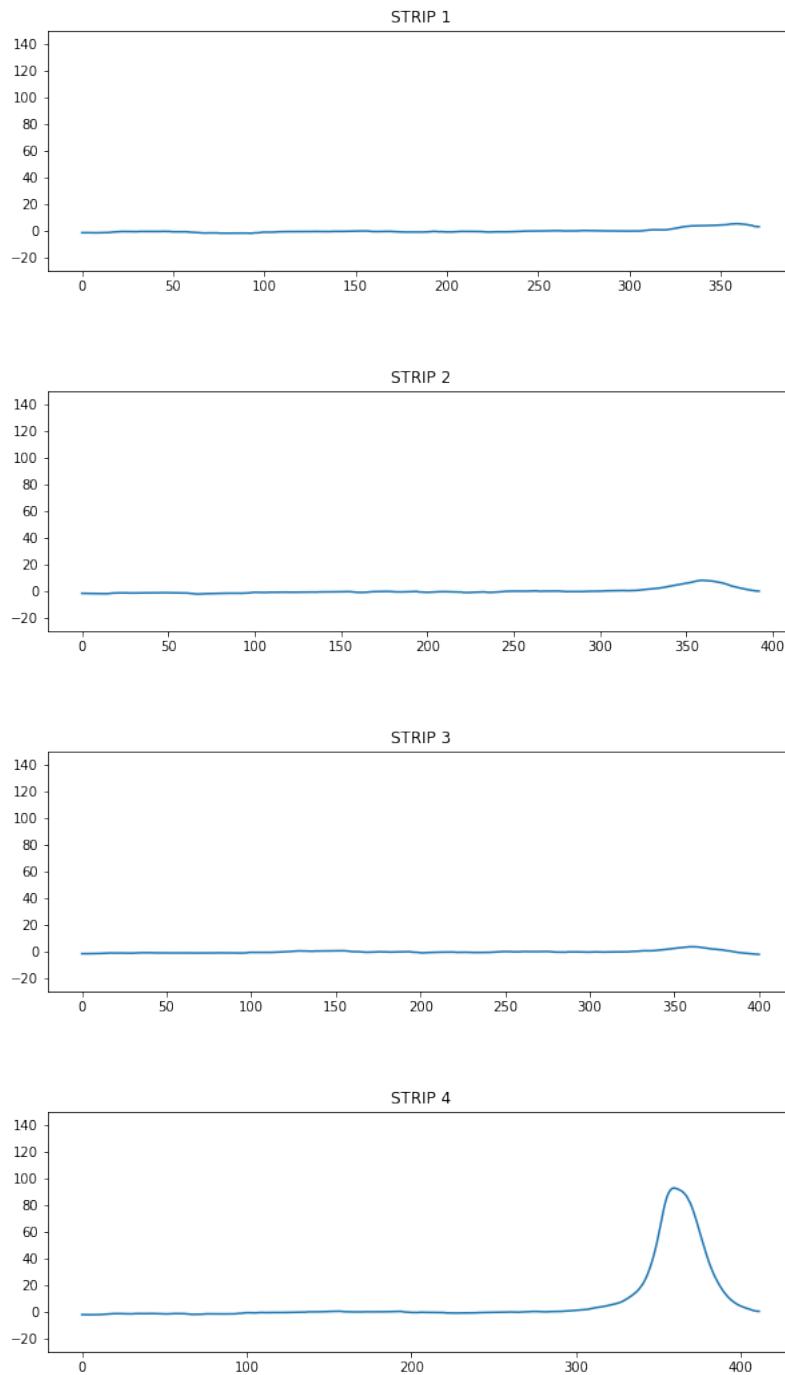
B. Cropped Strips



### C. Raw intensity data



#### D. Control-normalized positive signal



Using  $15 \times \text{sdev}$  of the normalized signal as threshold for classification, strips 2 and 4 are considered positive. With  $10 \times \text{sdev}$ , strip 1 is considered positive as well (although very marginally).