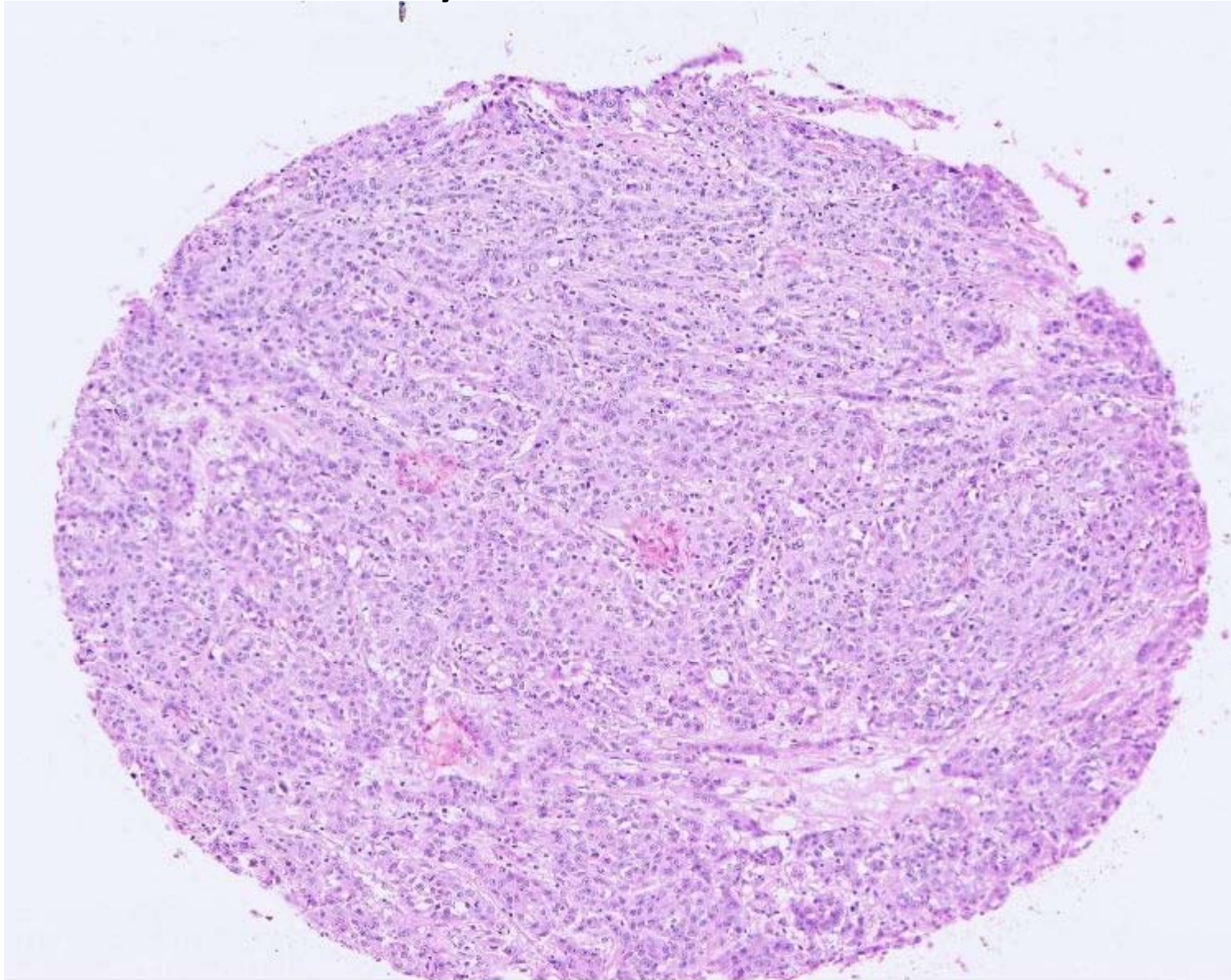
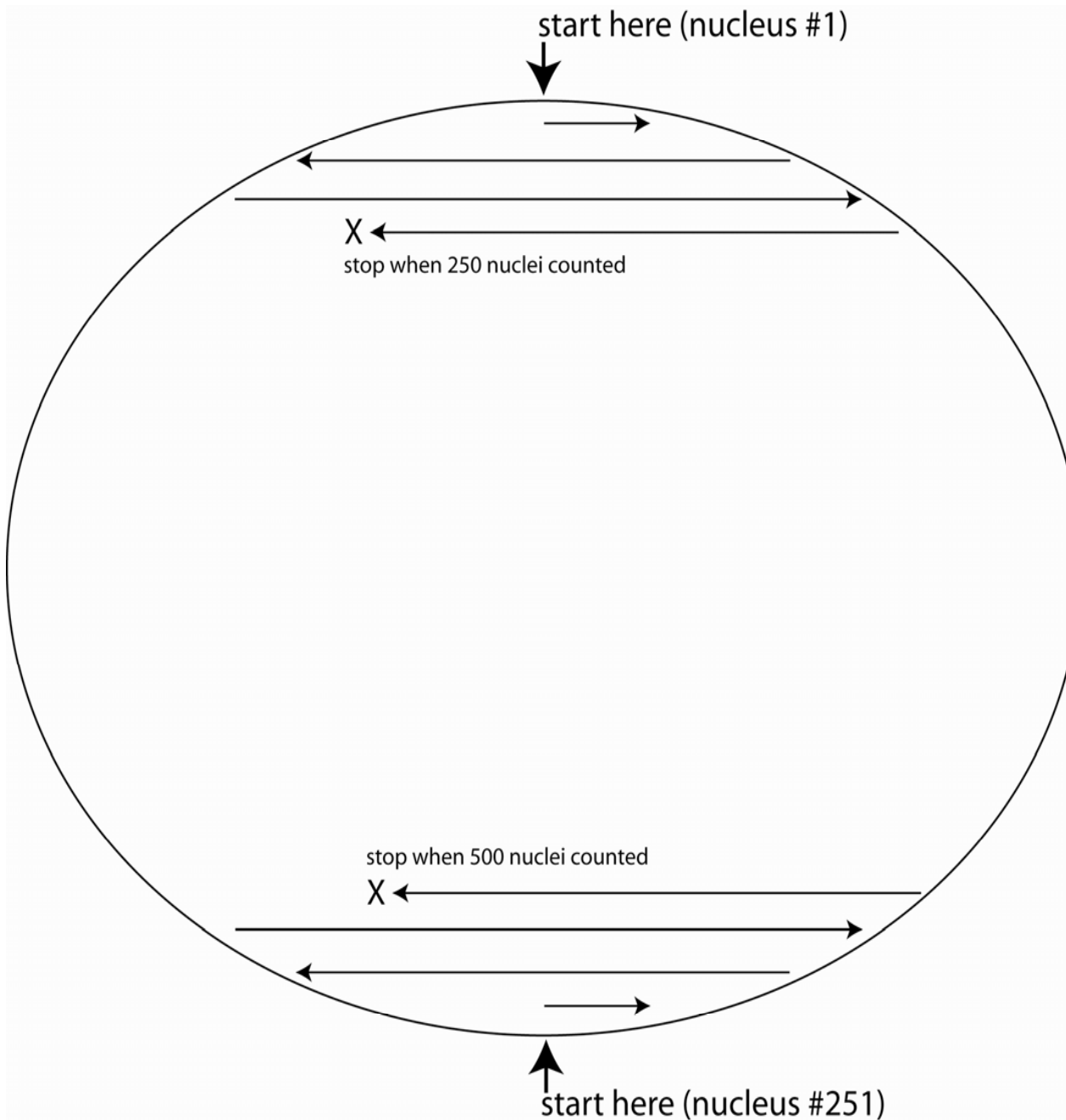


Web-based calibration:

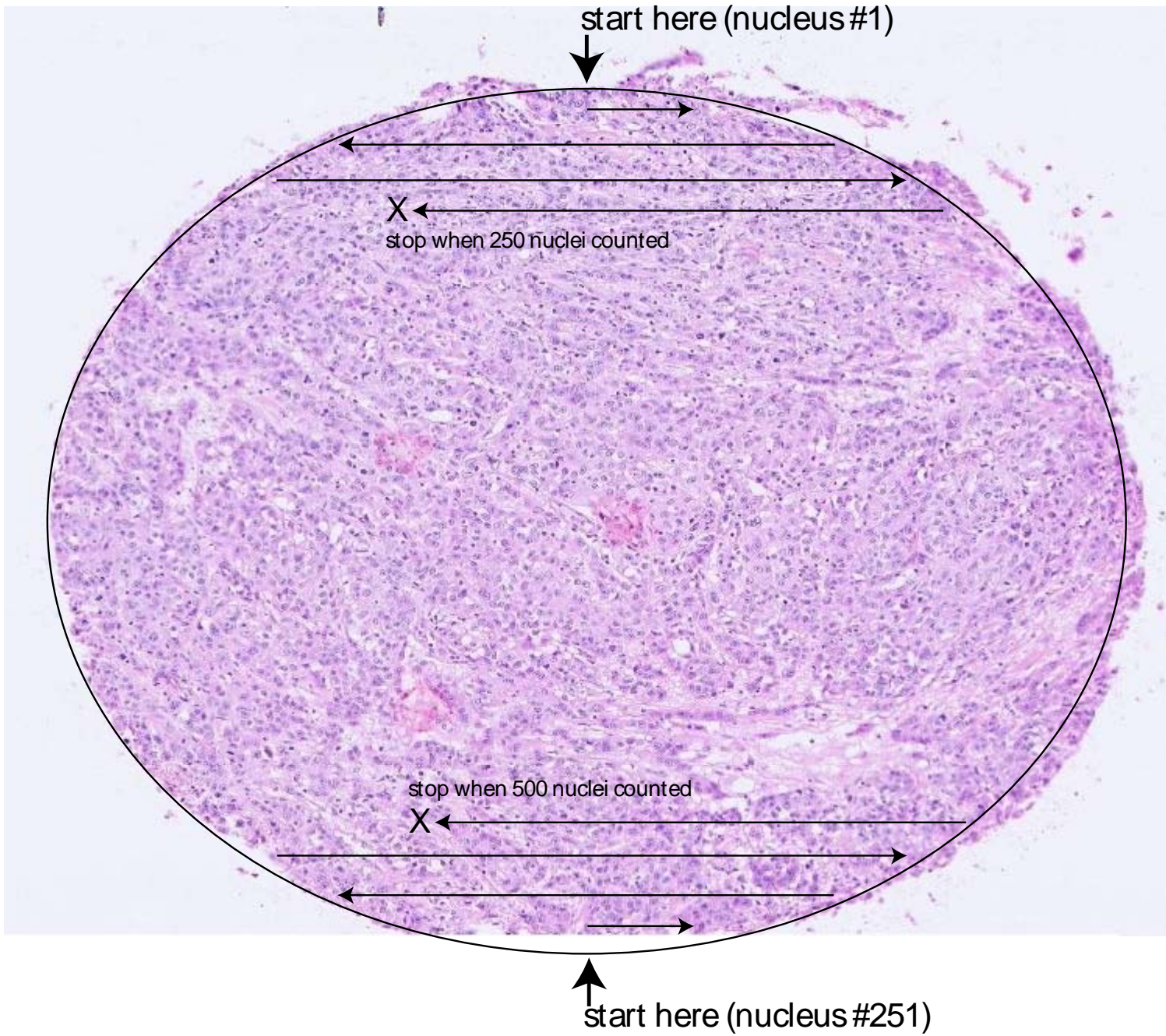
Instructions on how to standardize your scoring for this study of Ki67 assessment on TMA cores.





On the calibration website:

- Please use the pattern & number of nuclei shown at left.
- Please sequentially score **every definite invasive** cancer nucleus in the search area. The website contains H&E images to assist you.
- **<shift>** click = Ki67 **positive** brown cancer nucleus (gets tagged **red**)
- **<ctrl>** click = Ki67 **negative** blue cancer nucleus (gets tagged **green**)
- Please do NOT score in clumps or clusters. This does not mean to avoid clumps or clusters of cells, but rather to score across them in a “typewriter” pattern.



H&E images of each core are provided on the website, at the top of the webpage (see below).

You may find it helpful to keep the H&E image open while you score the core.

DATABASE CONTENTS


- Biomarkers
- TMA projects

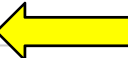
DATABASE QUERIES

- Download TMA related data

IMPORT/INPUT DATA TASKS

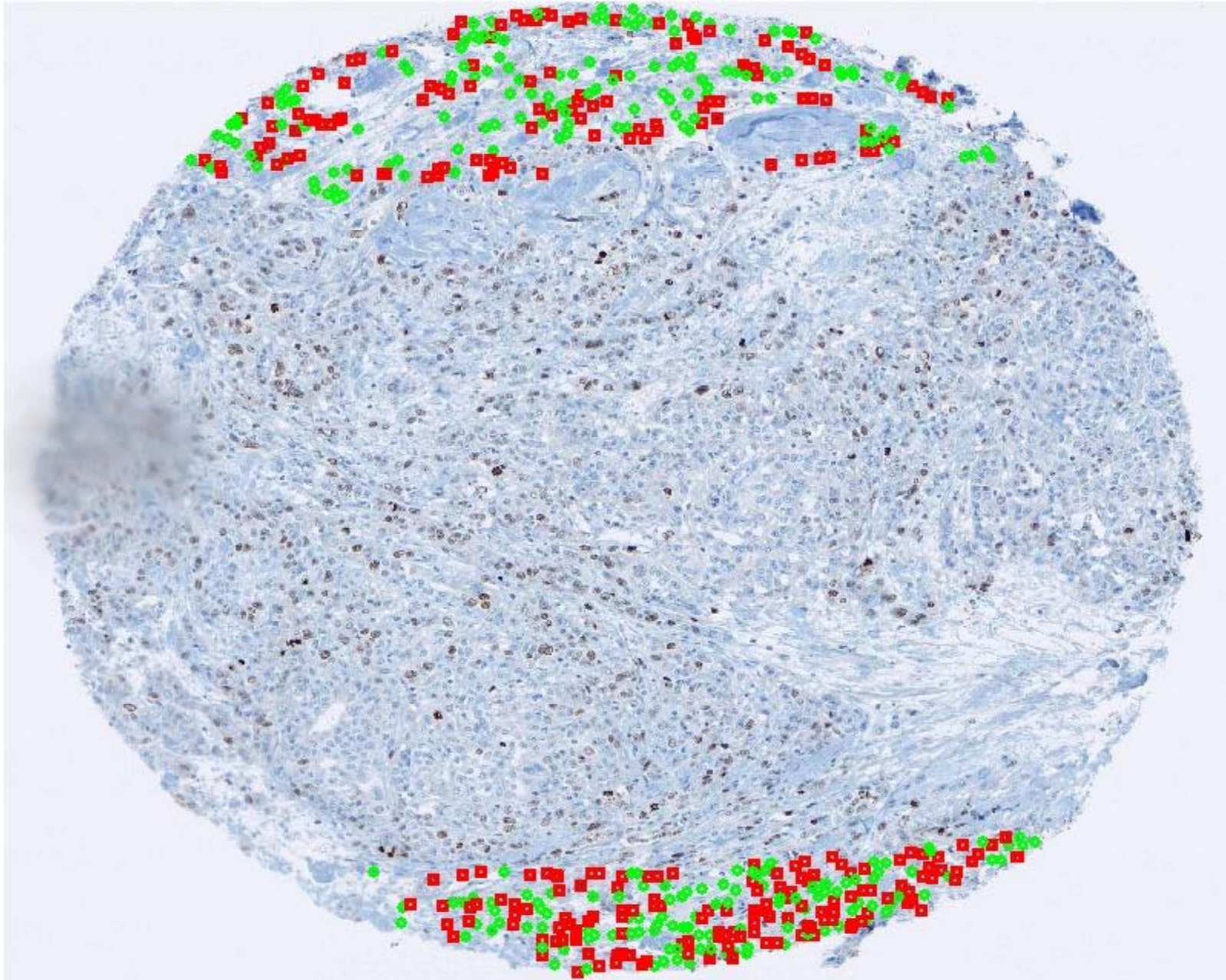
Scoring session: Ki67 calibrator test set images

 [Ki67 calibrator test set images](#)

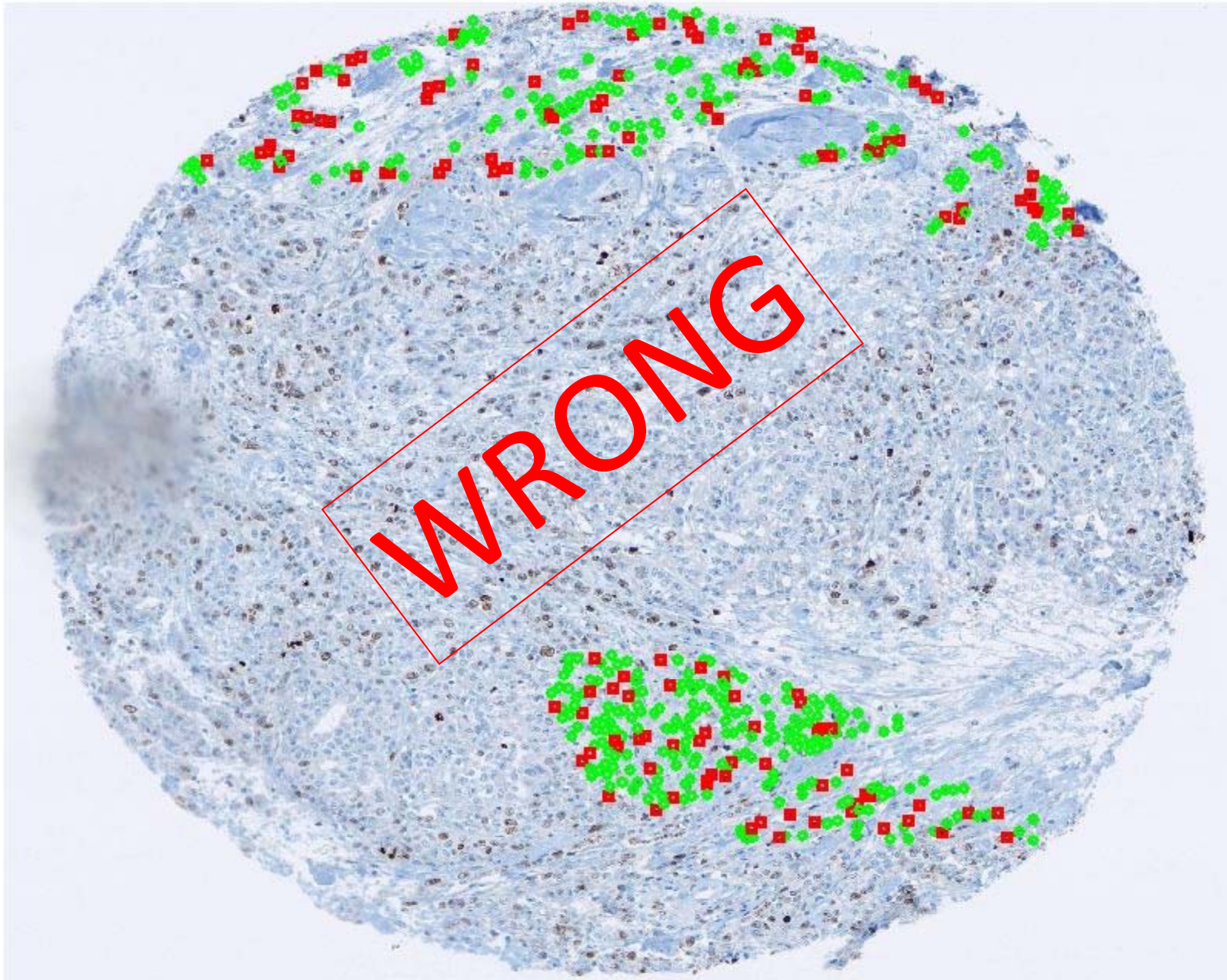
[\[show report\]](#) [\[download scores\]](#)
showing **Ki67** image [[H&E image](#)] 

Description	Nine Ki67 TMA core images (from 10-011 block B) as Ki67 calibrator test set
TMA core	10-011 (Ki67 QC) ver. 1; blk: B; row: 1; col: 1; specimen #: US09-1094

If you do this right, the final image will look something like this ...



This, on the other hand, is an example of not following the rules ... Scoring in clumps and clusters leads to higher interobserver variability, away from the calibration value.

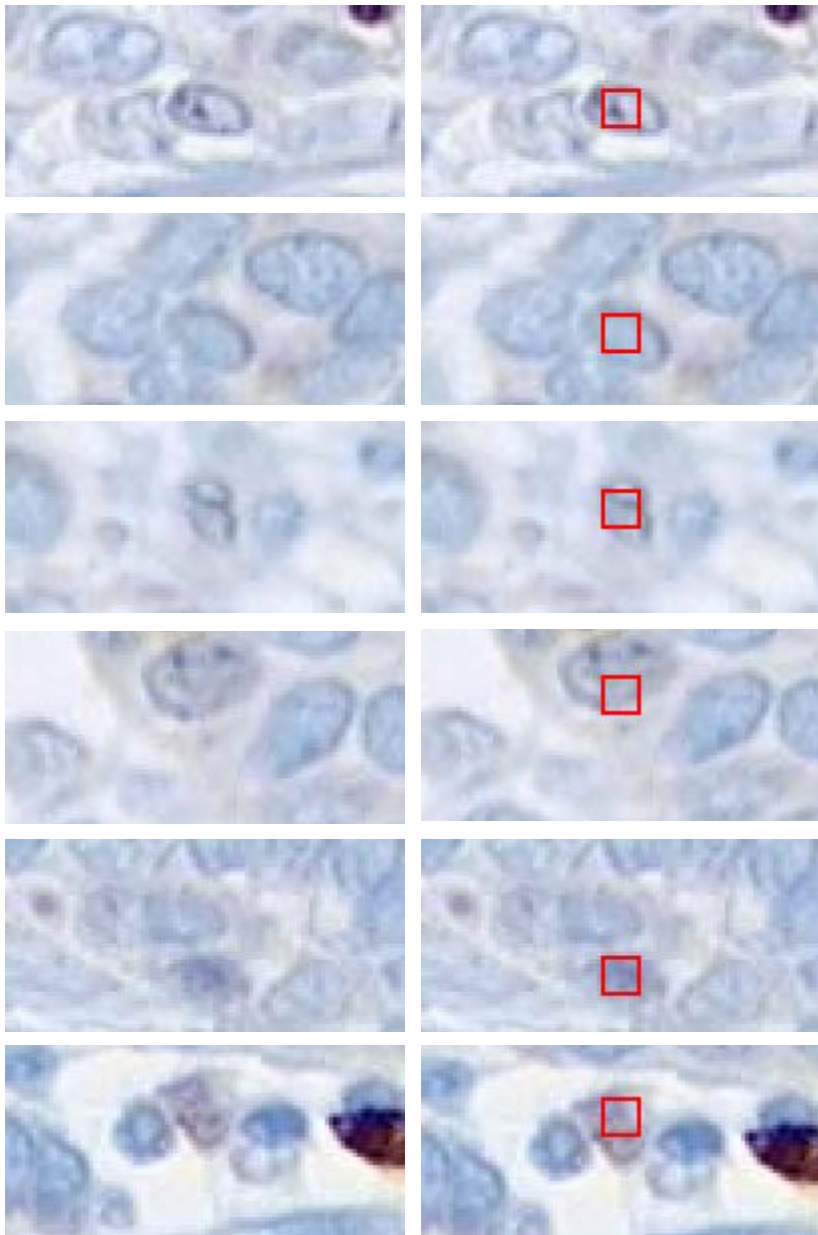


What counts as “positive”?

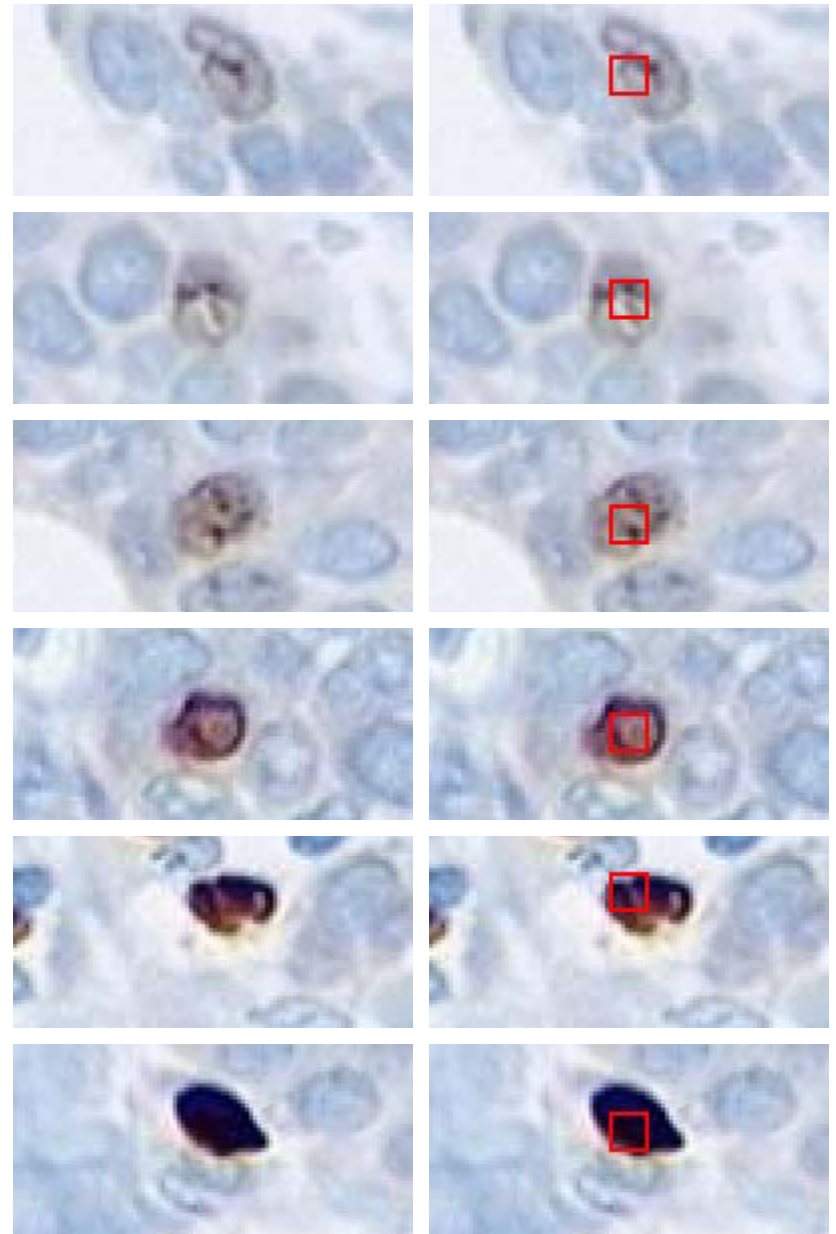
“Positive” = **Any** definite brown staining in the nucleus of an invasive breast cancer cell, above the surrounding background in cytoplasm and extracellular matrix.

Example images of positive and negative follow.

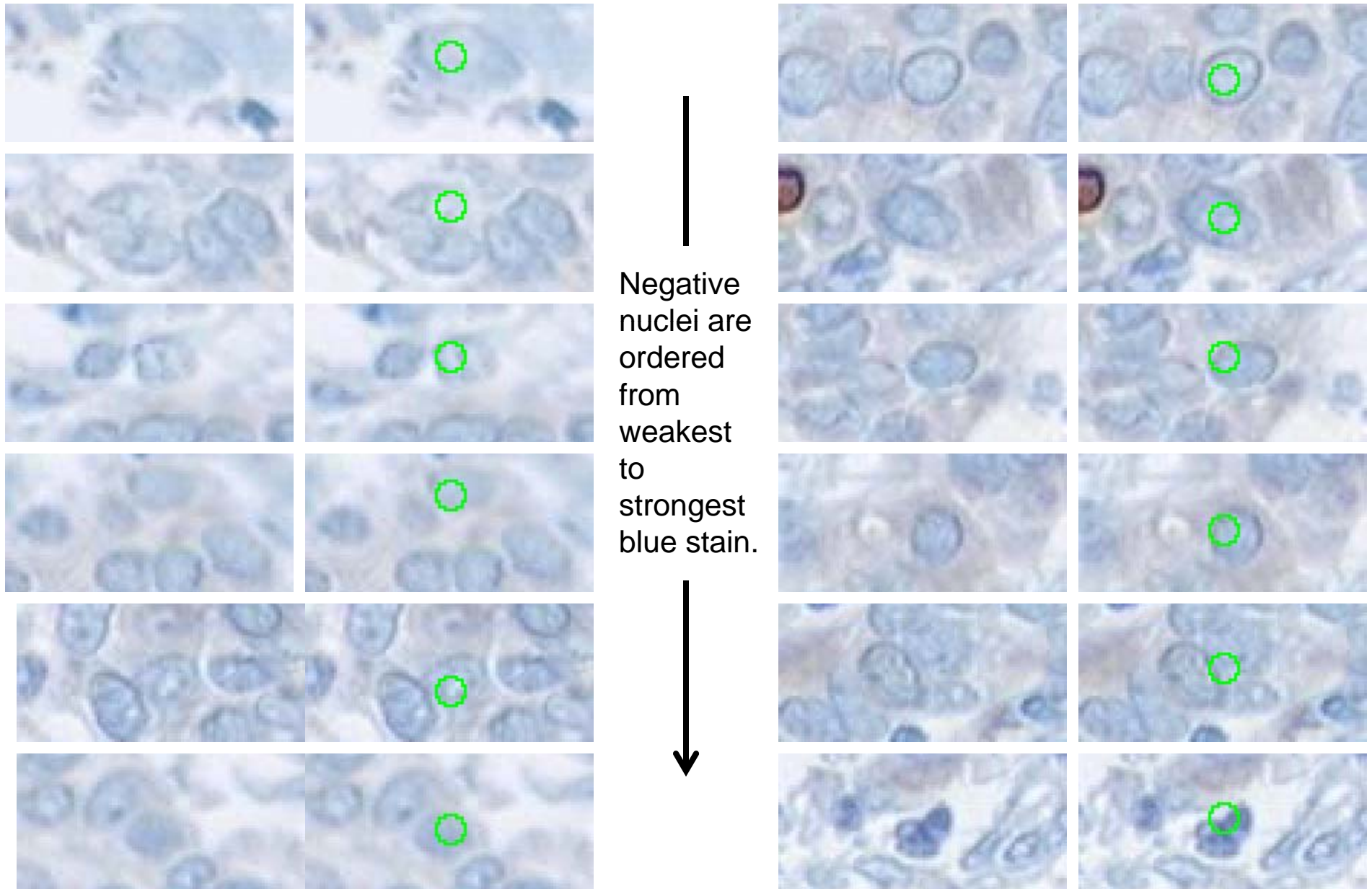
Examples of range of staining levels that should be considered **POSITIVE (red squares)** for Ki67 (unmarked & marked side by side)



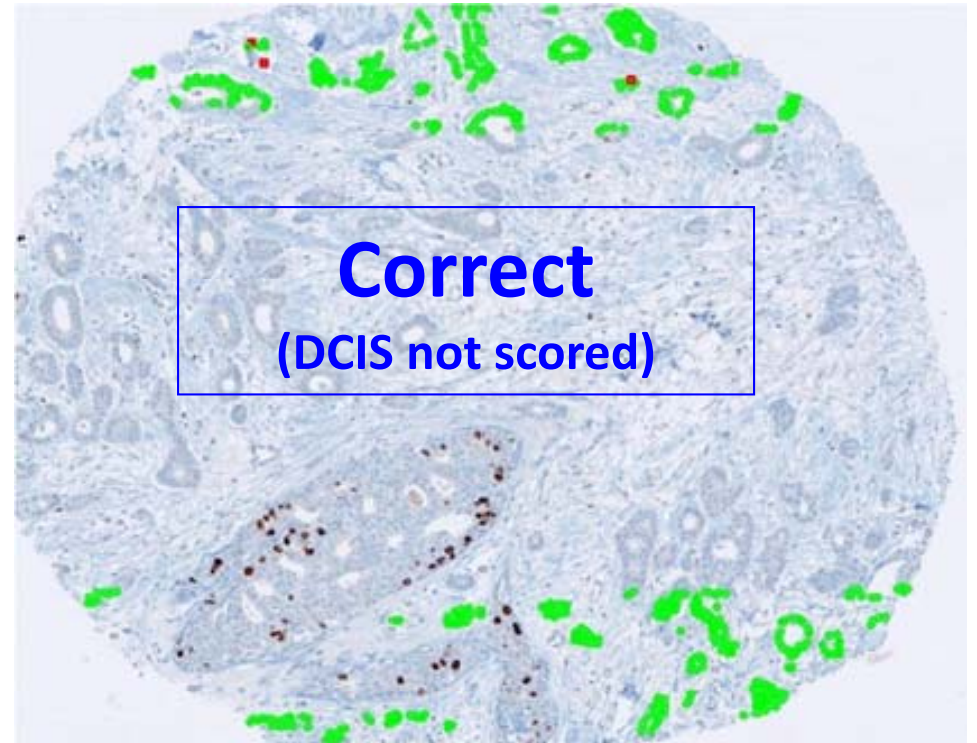
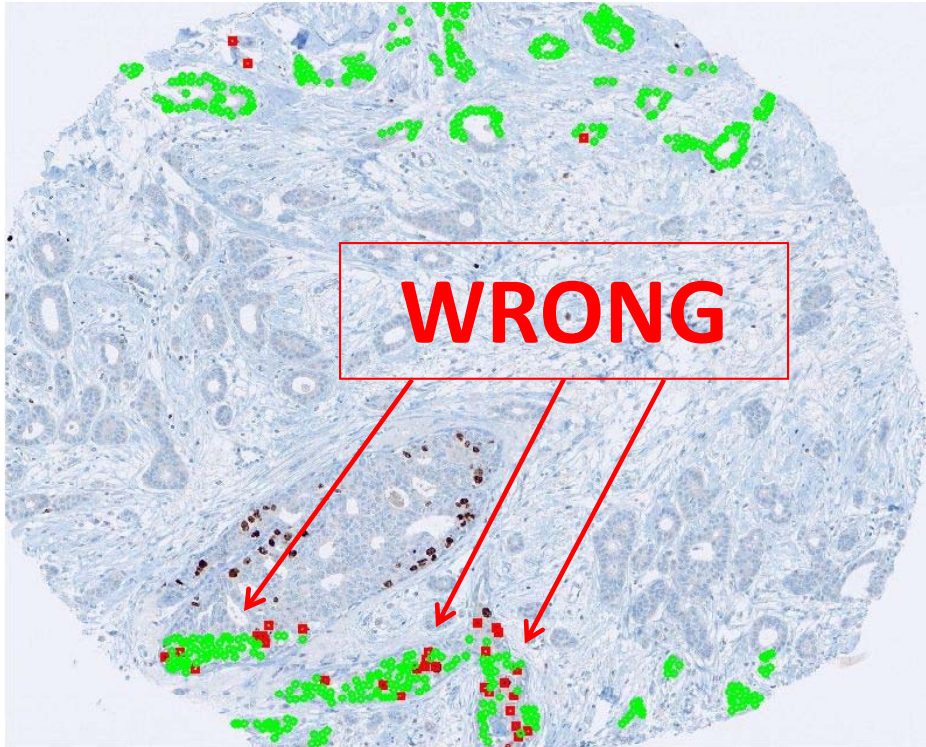
Positive nuclei are ordered from weakest to strongest brown stain.



Examples of range of staining levels that should be considered **NEGATIVE (green circles)** for Ki67 (unmarked & marked side by side)



Do not score DCIS.



Contact information

If you have any questions or difficulties, please contact Sam Leung at:

Phone: +1-604-875-4111 x62649 (Pacific Time)

or

Email: Samuel.Leung@vch.ca

Thank you.