building towards
cIQc
canadian Immunohistochemistry Quality control

Assessors' report for cIQc Run 4: Breast module (ER, PR and HER2)

All participating laboratories received two slides for each test (ERa, ERb, PRa, PRb, HER2a, and HER2b). The duplicate slides were sent in order to test for the reproducibility of the TMA cores for the purpose of QA/QC in clinical immunohistochemistry. They have also been used to supplement each other for the tissue cores lost during the procedure. The summarized results as presented in Garrattograms include mainly slide "a" results with incorporated slide "b" results when the tissue was either missing or non-representative. The results obtained on benign tissue only were not included for calculations of the laboratory success. Minimum concordance of 90% for both positive and negative results is suggested as "satisfactory". Minimum concordance of 95% is suggested as "optimal". HER2 results were analyzed based on their concordance with FISH results or with IHC results obtained by the majority of participants. Therefore, two different results were issued for each laboratory.

Figure 1. ER garrattogram

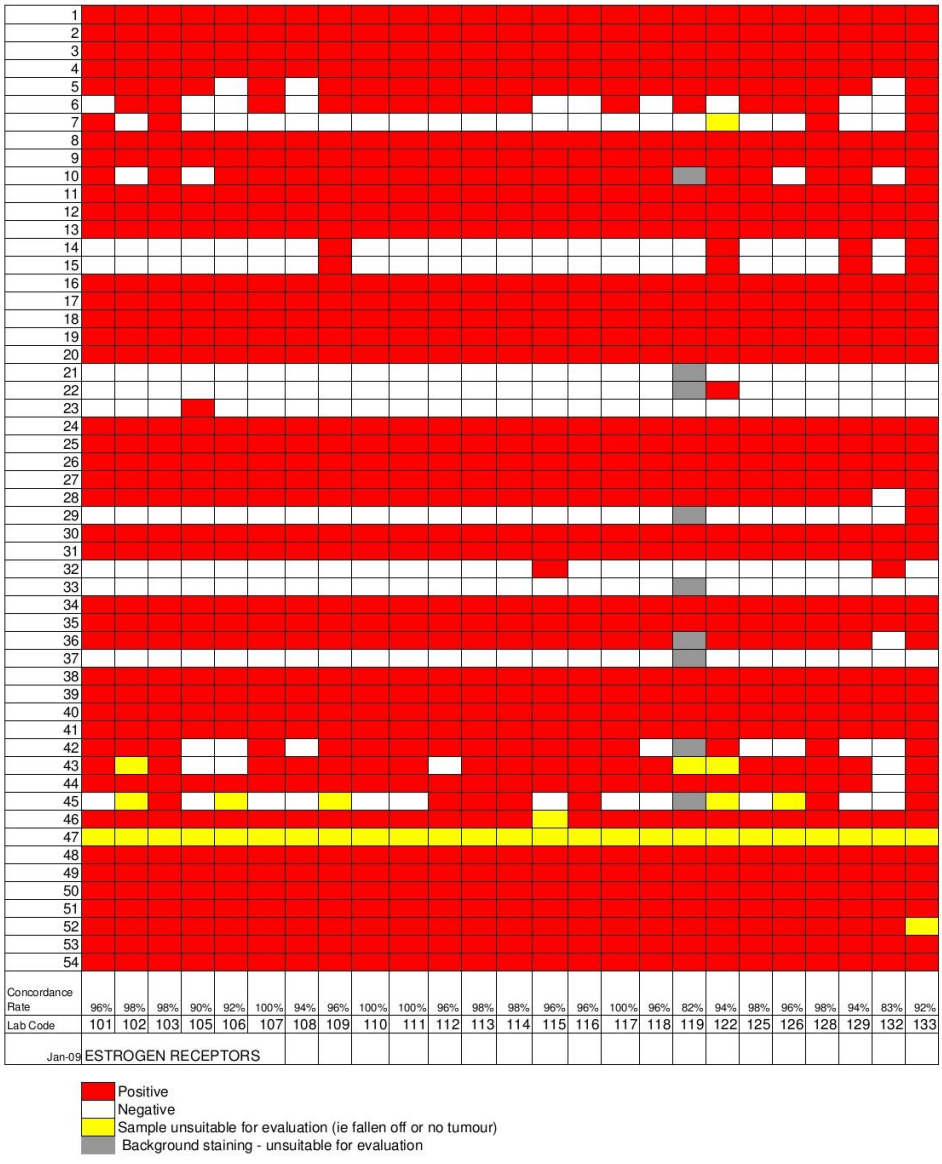


Figure 2. PR garrattogram

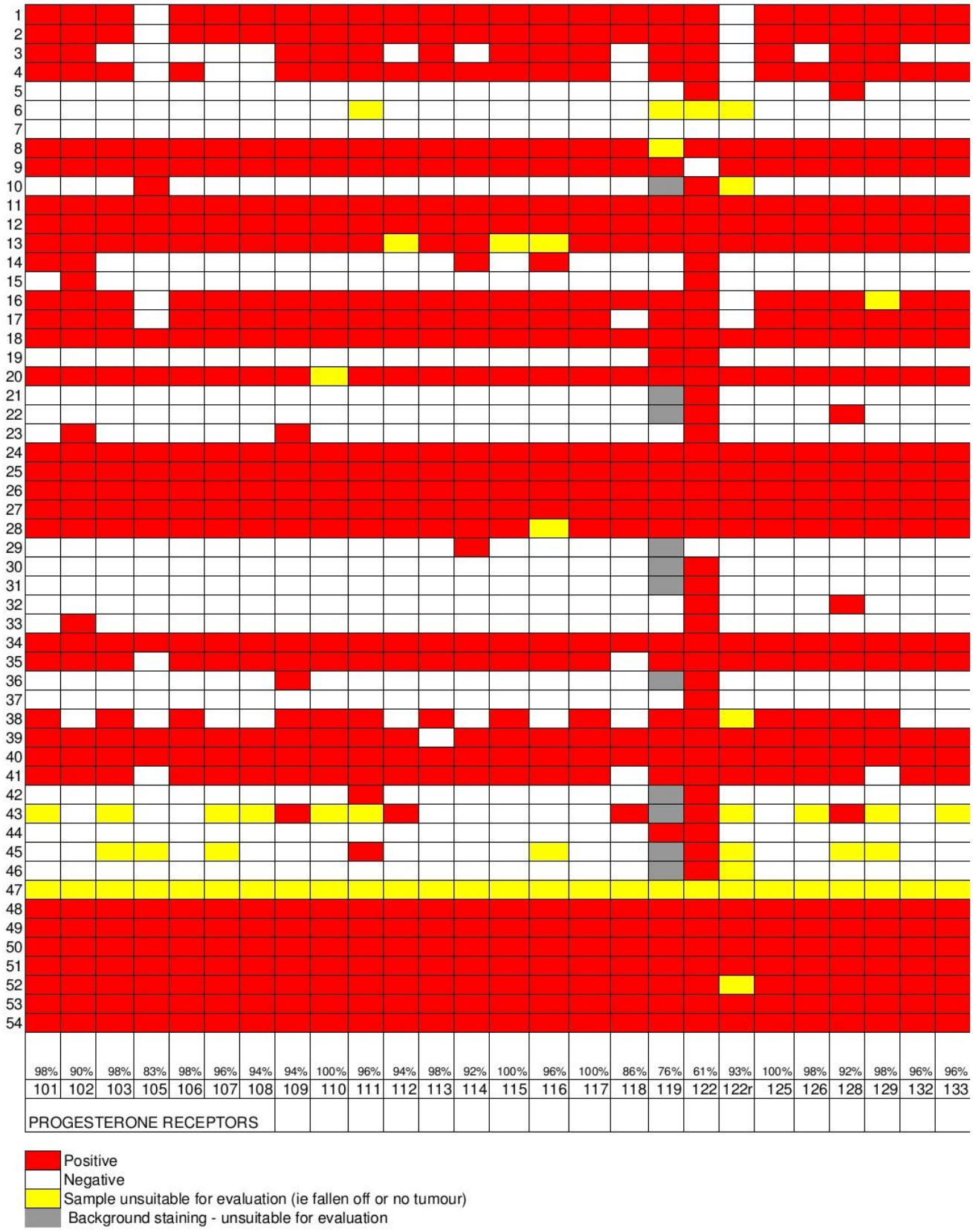
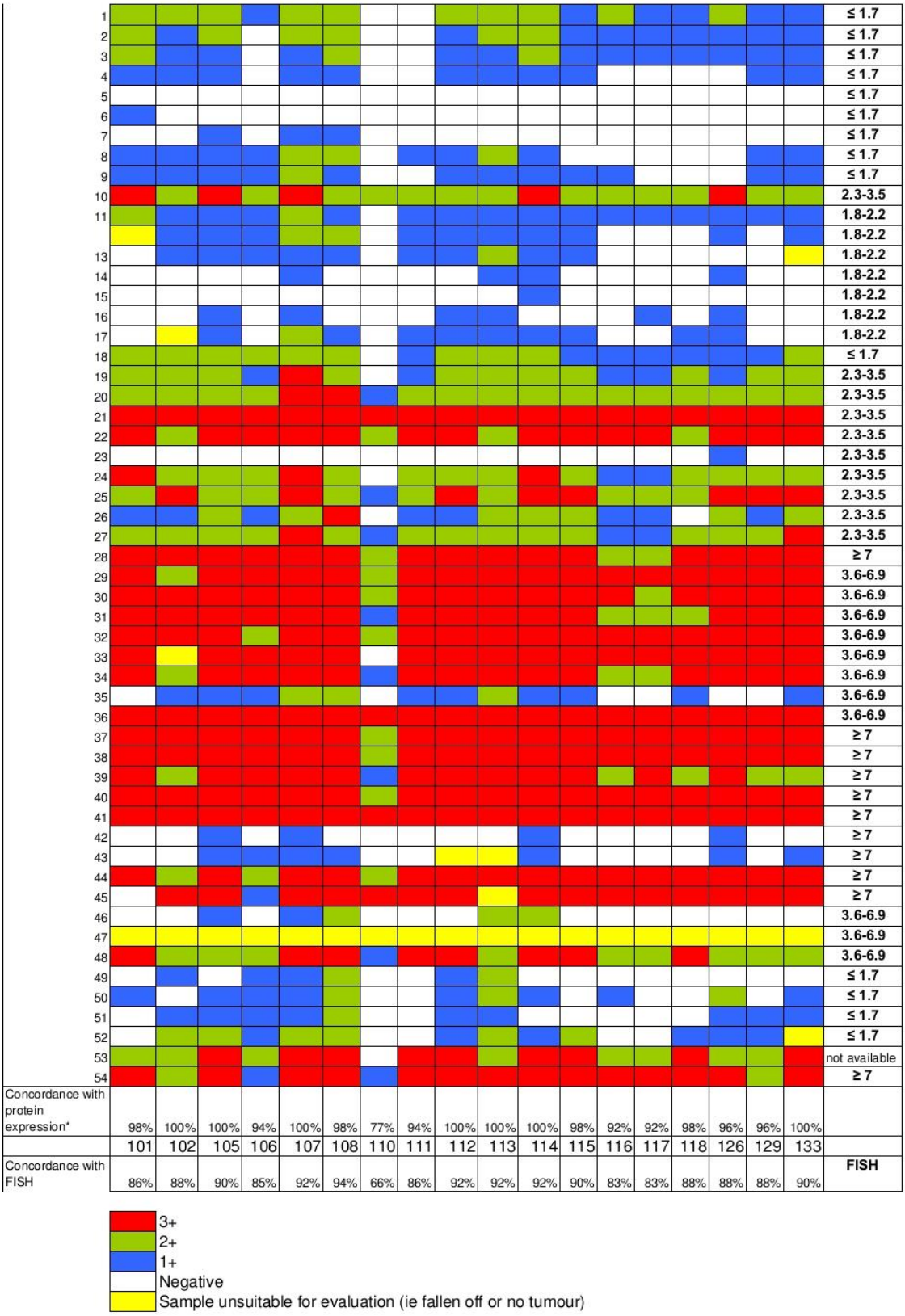


Figure 3. HER2 garrattogram



*Percentage accuracy based on overall positive and negative rates of protein expression

2+ staining is considered both positive and negative since ISH will be done to confirm Her2 status