



building towards

cIQc

canadian Immunohistochemistry Quality control

Assessors' report for cIQc Run 2: Breast module (ER, PR and HER2)

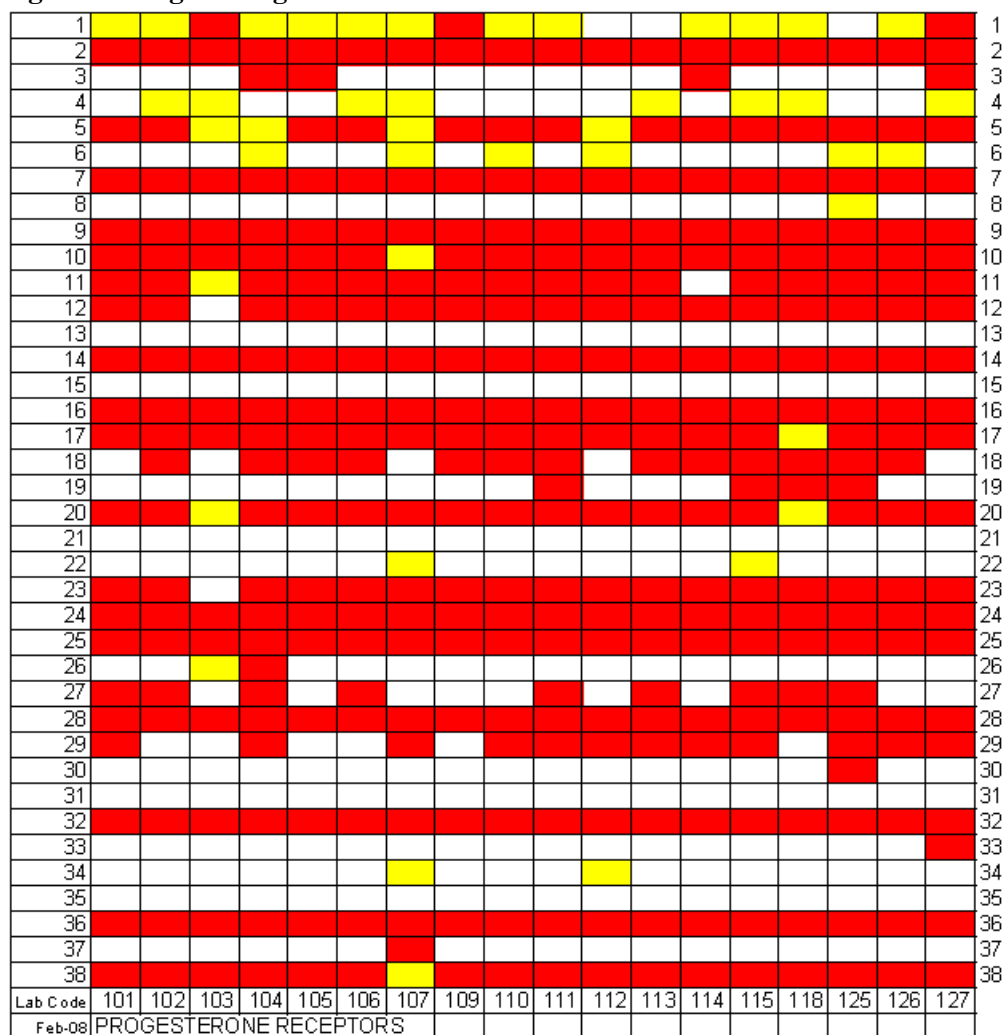
A tissue microarray (TMA) paraffin block with 38 fully characterized breast carcinomas, including FISH analysis for HER2/neu status, was used for testing estrogen receptor (ER), progesterone receptor (PR), and HER2/neu status by immunohistochemistry. Results from each participating lab are presented in a format that cIQc will henceforth refer to as a Garrattogram, which is a visual tabular summary of self-assessments for each TMA core (i.e. row) reported by each lab (i.e. column).

Figure 1. ER garrattogram

1	Yellow	Yellow	White	Yellow	Red	Yellow	Yellow	Red	Red	Red	White	Yellow	Yellow	Yellow	White	Yellow	1	
2	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	2	
3	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	3	
4	Yellow	White	Yellow	Yellow	White	Yellow	Yellow	White	Yellow	Yellow	White	Yellow	White	Yellow	White	Yellow	4	
5	Red	Red	Yellow	Red	Red	Yellow	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	5	
6	White	Yellow	White	Red	White	White	White	White	White	White	White	White	White	Yellow	White	Yellow	6	
7	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	7	
8	White	White	White	Red	Red	White	White	White	White	White	White	White	White	White	White	White	8	
9	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	9	
10	Red	White	White	Red	Red	Red	Red	Red	Red	White	Red	Red	Red	Red	Red	Red	10	
11	Red	Red	Yellow	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	11	
12	Red	Red	White	White	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	12	
13	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	13	
14	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	14	
15	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	15	
16	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	16	
17	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Yellow	Red	Red	17	
18	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	18	
19	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	19	
20	Red	Red	Yellow	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Yellow	Red	Red	20	
21	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	21	
22	Yellow	White	Yellow	Yellow	White	White	White	White	White	White	White	White	White	White	White	White	22	
23	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	23	
24	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	24	
25	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	25	
26	Red	Yellow	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Yellow	Red	Red	26	
27	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	27	
28	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	28	
29	Red	Yellow	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	29	
30	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	30	
31	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	31	
32	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	32	
33	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	33	
34	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	34	
35	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	35	
36	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	36	
37	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	White	37	
38	Red	Red	Red	Red	Red	Red	Yellow	Red	Red	Red	Red	Red	Red	Red	Red	Red	38	
Lab Code	101	102	103	104	105	106	107	109	110	111	112	113	114	115	118	125	126	127
Feb-08	ESTROGEN RECEPTORS																	

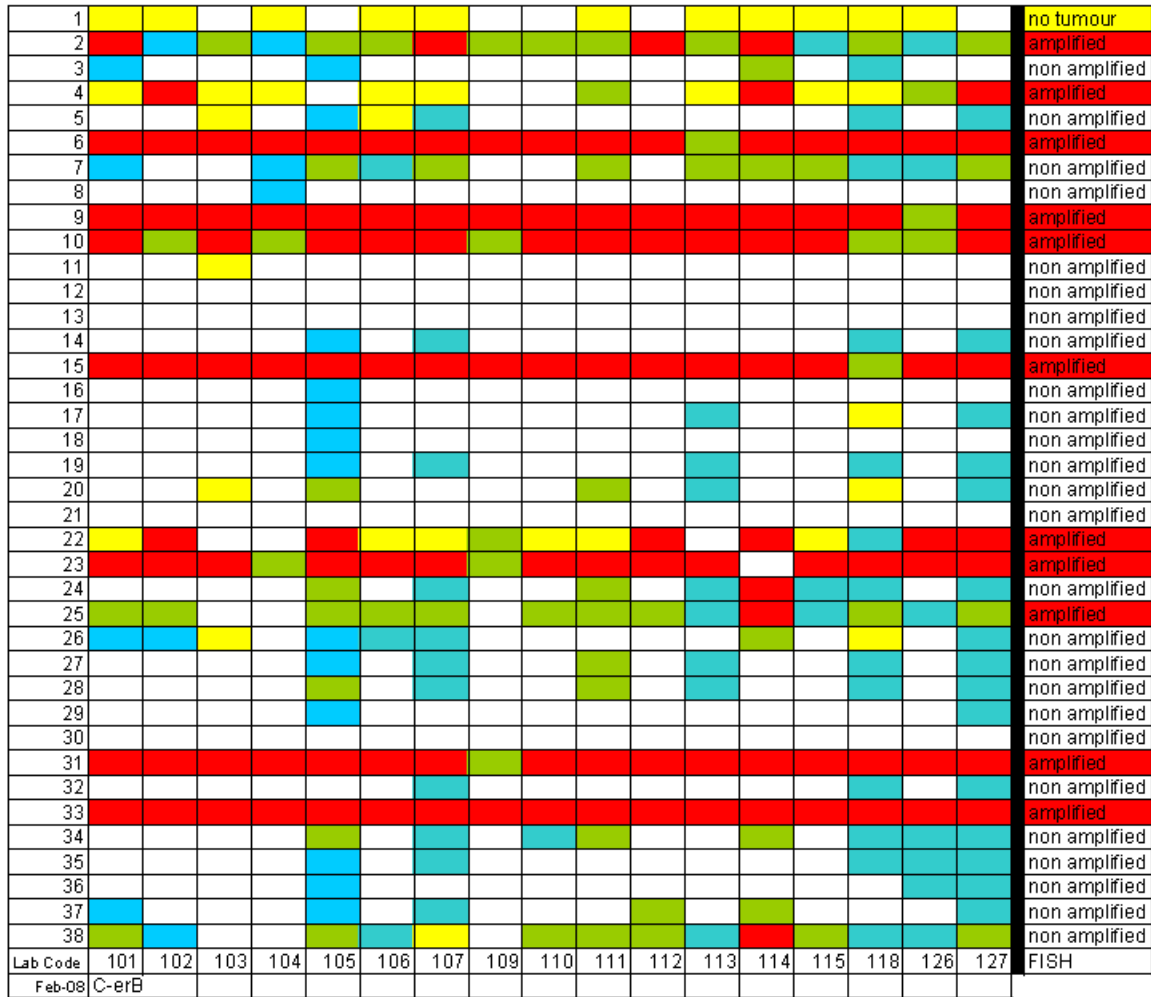
Positive
 Negative
 Sample unsuitable for evaluation (ie fallen off or no tumour)

Figure 2. PR garrattogram



Positive
 Negative
 Sample unsuitable for evaluation (ie fallen off or no tumour)

Figure 3. HER2 garrattogram



Sample unsuitable for evaluation (ie fallen off or no tumour)
 Positive
 2+ or equivocal (FISH is required)
 1+ or negative
 Negative