

ER manual positive/ER automated negative (71 cases)

Review ER status

Negative 8 (11)	Positive 60 (85)					No invasive tumour 3 (4)	
Tumour cells		Inflammation			Contaminating normal		
<50	>50	Absent	Sparse	Marked	Absent	Present	
12 (20)	48(80)	21 (35)	26 (43)	13 (22)	53 (88)	7 (12)	

ER manual negative/ER automated positive (42 cases)

Review ER status

Positive 7 (17)	Negative 34 (81)					No invasive tumour 1 (2)	
Tumour cells		Inflammation			Contaminating normal		
<50	>50	Absent	Sparse	Marked	Absent	Present	
4 (12)	30 (88)	18 (53)	14 (41)	2 (6)	34 (100)	0 (0)	

BCL2 manual positive/BCL2 automated negative (151 cases)

Review BCL2 status

Negative 17 (11)	Positive 132 (88)					No invasive tumour 2 (1)	
Tumour cells		Inflammation			Contaminating normal		
<50	>50	Absent	Sparse	Marked	Absent	Present	
12 (9)	120 (91)	69 (52)	58 (44)	5 (4)	118 (89)	14 (11)	

BCL2 manual negative/BCL2 automated positive (62 cases)

Review BCL2 status

Positive 4 (7)	Negative 48 (77)					No invasive tumour 10 (16)	
Tumour cells		Inflammation			Contaminating normal		
<50	>50	Absent	Sparse	Marked	Absent	Present	
7 (15)	41 (85)	2 (4)	28 (58)	18 (38)	41 (85)	7 (15)	

HER2 manual positive/HER2 automated negative (3 cases)

Review HER2 status

Negative 1 (33)	Positive 2 (67)					No invasive tumour 0 (0)	
Tumour cells		Inflammation			Contaminating normal		
<50	>50	Absent	Sparse	Marked	Absent	Present	
0 (0)	2 (100)	1 (50)	1 (50)	0 (0)	2 (100)	0 (0)	

HER2 manual negative/HER2 automated positive (63 cases)

Review HER2 status

Positive 3 (5)	Negative 60 (95)					No invasive tumour 0 (0)	
Tumour cells		Inflammation			Contaminating normal		
<50	>50	Absent	Sparse	Marked	Absent	Present	
9 (15)	51 (85)	30 (50)	27 (45)	3 (5)	59 (98)	1 (2)	