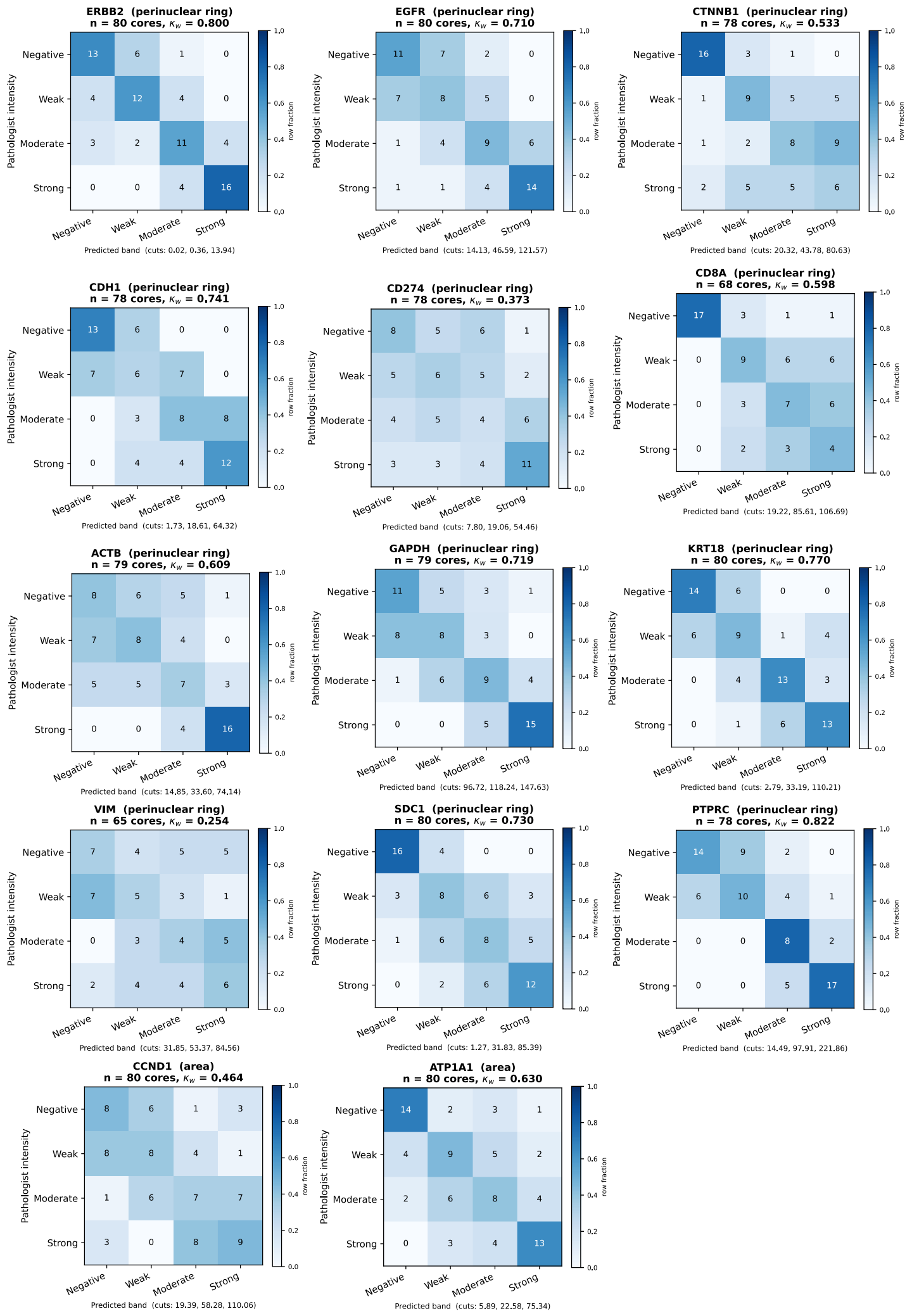
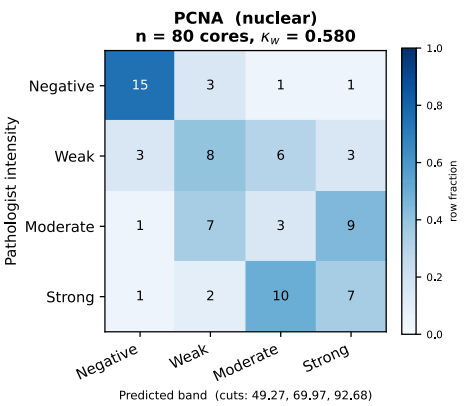
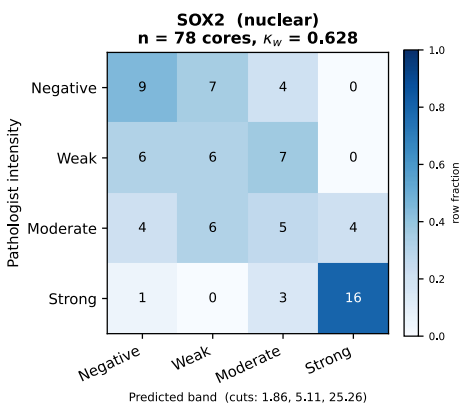
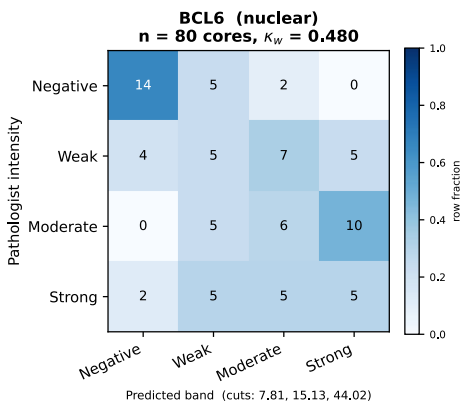
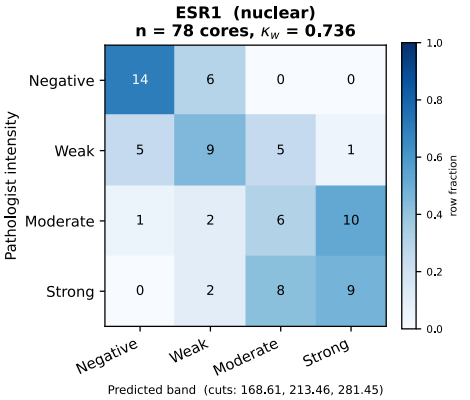
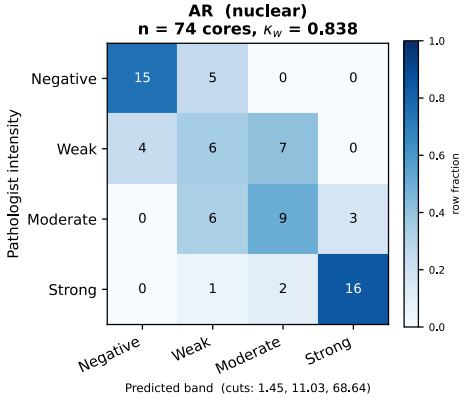

ERBB2 (perinuclear ring)
n = 80 cores, κ_w = 0.800
Pathologist intensity
Negative
Weak
Moderate
Strong
13 6 1 0
4 12 4 0
3 2 11 4
0 0 4 16
Predicted band (cuts: 0.02, 0.36, 13.94)
row fraction
EGFR (perinuclear ring)
n = 80 cores, κ_w = 0.710
11 7 2 0
7 8 5 0
1 4 9 6
1 1 4 14
Predicted band (cuts: 14.13, 46.59, 121.57)
CTNNB1 (perinuclear ring)
n = 78 cores, κ_w = 0.533
16 3 1 0
1 9 5 5
1 2 8 9
2 5 5 6
Predicted band (cuts: 20.32, 43.78, 80.63)
CDH1 (perinuclear ring)
n = 78 cores, κ_w = 0.741
13 6 0 0
7 6 7 0
0 3 8 8
0 4 4 12
Predicted band (cuts: 1.73, 18.61, 64.32)
CD274 (perinuclear ring)
n = 78 cores, κ_w = 0.373
8 5 6 1
5 6 5 2
4 5 4 6
3 3 4 11
Predicted band (cuts: 7.80, 19.06, 54.46)
CD8A (perinuclear ring)
n = 68 cores, κ_w = 0.598
17 3 1 1
0 9 6 6
0 3 7 6
0 2 3 4
Predicted band (cuts: 19.22, 85.61, 106.69)
ACTB (perinuclear ring)
n = 79 cores, κ_w = 0.609
8 6 5 1
7 8 4 0
5 5 7 3
0 0 4 16
Predicted band (cuts: 14.85, 33.60, 74.14)
GAPDH (perinuclear ring)
n = 79 cores, κ_w = 0.719
11 5 3 1
8 8 3 0
1 6 9 4
0 0 5 15
Predicted band (cuts: 96.72, 118.24, 147.63)
KRT18 (perinuclear ring)
n = 80 cores, κ_w = 0.770
14 6 0 0
6 9 1 4
0 4 13 3
0 1 6 13
Predicted band (cuts: 2.79, 33.19, 110.21)
VIM (perinuclear ring)
n = 65 cores, κ_w = 0.254
7 4 5 5
7 5 3 1
0 3 4 5
2 4 4 6
Predicted band (cuts: 31.85, 53.37, 84.56)
SDC1 (perinuclear ring)
n = 80 cores, κ_w = 0.730
16 4 0 0
3 8 6 3
1 6 8 5
0 2 6 12
Predicted band (cuts: 1.27, 31.83, 85.39)
PTPRC (perinuclear ring)
n = 78 cores, κ_w = 0.822
14 9 2 0
6 10 4 1
0 0 8 2
0 0 5 17
Predicted band (cuts: 14.49, 97.91, 221.86)
CCND1 (area)
n = 80 cores, κ_w = 0.464
8 6 1 3
8 8 4 1
1 6 7 7
3 0 8 9
Predicted band (cuts: 19.39, 58.28, 110.06)
ATP1A1 (area)
n = 80 cores, κ_w = 0.630
14 2 3 1
4 9 5 2
2 6 8 4
0 3 4 13
Predicted band (cuts: 5.89, 22.58, 75.34)

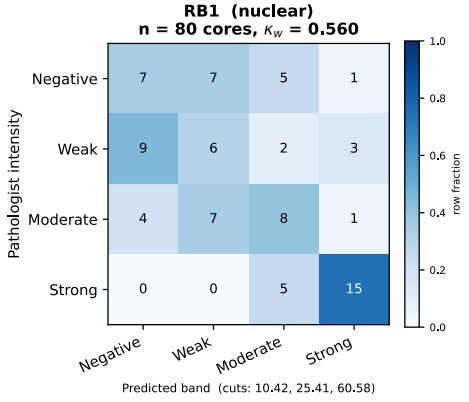

PCNA (nuclear)
n = 80 cores, κ_w = 0.580
Pathologist intensity
Negative
Weak
Moderate
Strong
15 3 1 1
3 8 6 3
1 7 3 9
1 2 10 7
row fraction
Predicted band (cuts: 49.27, 69.97, 92.68)

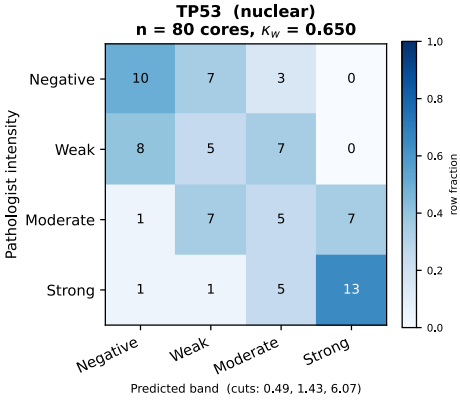

SOX2 (nuclear)
n = 78 cores, κ_w = 0.628
Pathologist intensity
Negative
Weak
Moderate
Strong
9 7 4 0
6 6 7 0
4 6 5 4
1 0 3 16
row fraction
Predicted band (cuts: 1.86, 5.11, 25.26)

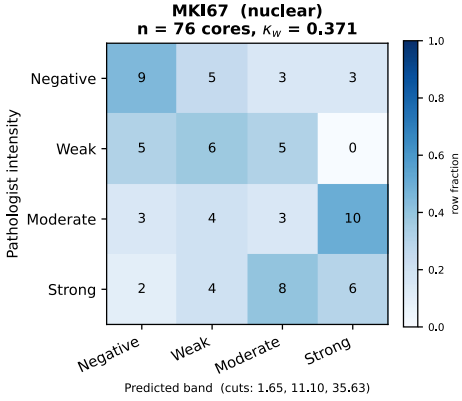

BCL6 (nuclear)
n = 80 cores, κ_w = 0.480
Pathologist intensity
Negative
Weak
Moderate
Strong
14 5 2 0
4 5 7 5
0 5 6 10
2 5 5 5
row fraction
Predicted band (cuts: 7.81, 15.13, 44.02)


ESR1 (nuclear)
n = 78 cores, κ_w = 0.736
Pathologist intensity
Negative
Weak
Moderate
Strong
14 6 0 0
5 9 5 1
1 2 6 10
0 2 8 9
row fraction
Predicted band (cuts: 168.61, 213.46, 281.45)


AR (nuclear)
n = 74 cores, κ_w = 0.838
Pathologist intensity
Negative
Weak
Moderate
Strong
15 5 0 0
4 6 7 0
0 6 9 3
0 1 2 16
row fraction
Predicted band (cuts: 1.45, 11.03, 68.64)


RB1 (nuclear)
n = 80 cores, κ_w = 0.560
Pathologist intensity
Negative
Weak
Moderate
Strong
7 7 5 1
9 6 2 3
4 7 8 1
0 0 5 15
row fraction
Predicted band (cuts: 10.42, 25.41, 60.58)


TP53 (nuclear)
n = 80 cores, κ_w = 0.650
Pathologist intensity
Negative
Weak
Moderate
Strong
10 7 3 0
8 5 7 0
1 7 5 7
1 1 5 13
row fraction
Predicted band (cuts: 0.49, 1.43, 6.07)


MKI67 (nuclear)
n = 76 cores, κ_w = 0.371
Pathologist intensity
Negative
Weak
Moderate
Strong
9 5 3 3
5 6 5 0
3 4 3 10
2 4 8 6
row fraction
Predicted band (cuts: 1.65, 11.10, 35.63)