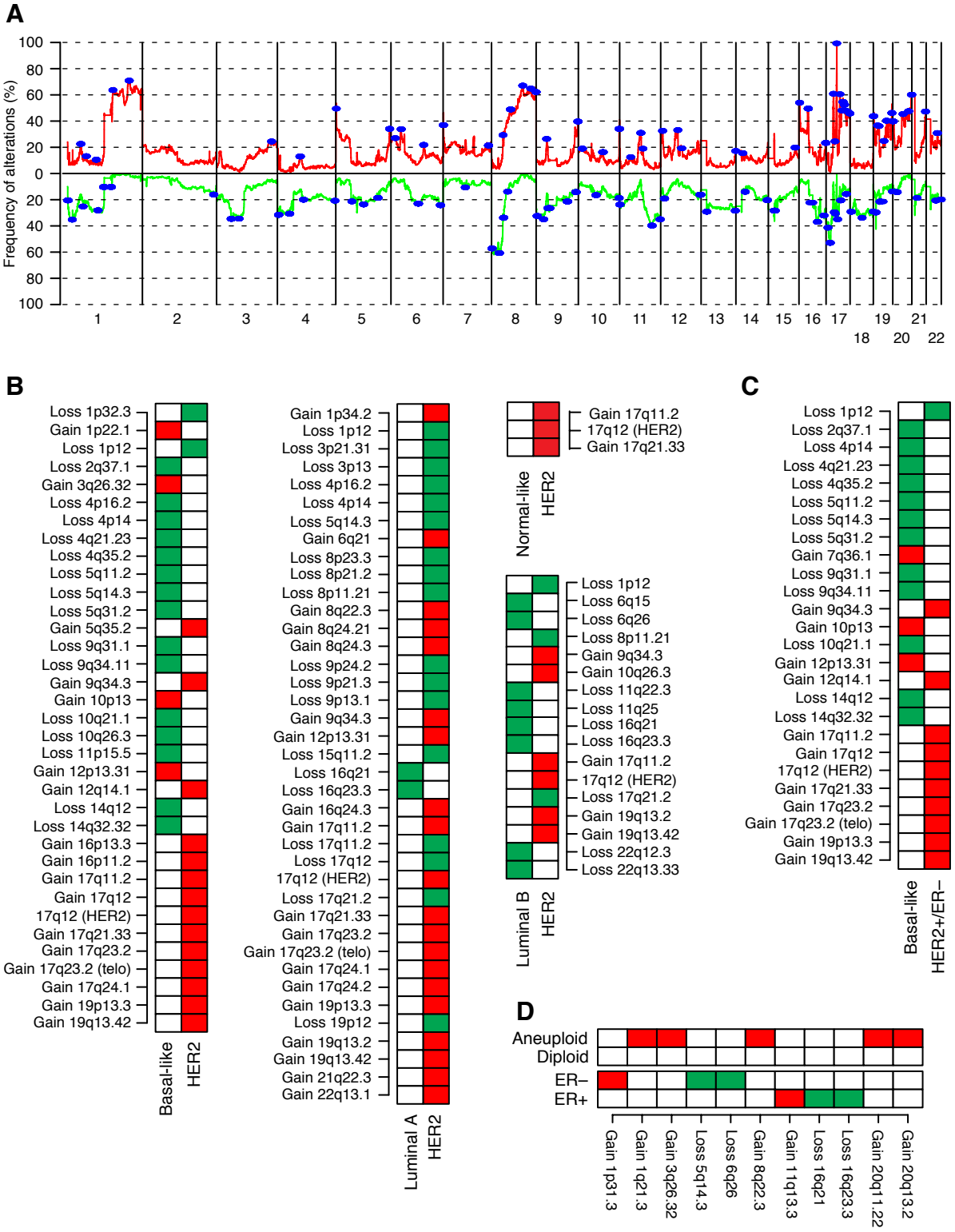
A
Frequency of alterations (%)
100
80
60
40
20
0
20
40
60
80
100
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
B
Loss 1p32.3
Gain 1p22.1
Loss 1p12
Loss 2q37.1
Gain 3q26.32
Loss 4p16.2
Loss 4p14
Loss 4q21.23
Loss 4q35.2
Loss 5q11.2
Loss 5q14.3
Loss 5q31.2
Gain 5q35.2
Loss 9q31.1
Loss 9q34.11
Gain 9q34.3
Gain 10p13
Loss 10q21.1
Loss 10q26.3
Loss 11p15.5
Gain 12p13.31
Gain 12q14.1
Loss 14q12
Loss 14q32.32
Gain 16p13.3
Gain 16p11.2
Gain 17q11.2
Gain 17q12
17q12 (HER2)
Gain 17q21.33
Gain 17q23.2
Gain 17q23.2 (telo)
Gain 17q24.1
Gain 19p13.3
Gain 19q13.42
Basal-like
HER2
Gain 1p34.2
Loss 1p12
Loss 3p21.31
Loss 3p13
Loss 4p16.2
Loss 4p14
Loss 5q14.3
Gain 6q21
Loss 8p23.3
Loss 8p21.2
Loss 8p11.21
Gain 8q22.3
Gain 8q24.21
Gain 8q24.3
Loss 9p24.2
Loss 9p21.3
Loss 9p13.1
Gain 9q34.3
Gain 12p13.31
Loss 15q11.2
Loss 16q21
Loss 16q23.3
Gain 16q24.3
Gain 17q11.2
Loss 17q11.2
Loss 17q12
17q12 (HER2)
Loss 17q21.2
Gain 17q21.33
Gain 17q23.2
Gain 17q23.2 (telo)
Gain 17q24.1
Gain 17q24.2
Gain 19p13.3
Loss 19p12
Gain 19q13.2
Gain 19q13.42
Gain 21q22.3
Gain 22q13.1
Luminal A
HER2
Gain 17q11.2
17q12 (HER2)
Gain 17q21.33
Normal-like
HER2
Loss 1p12
Loss 6q15
Loss 6q26
Loss 8p11.21
Gain 9q34.3
Gain 10q26.3
Loss 11q22.3
Loss 11q25
Loss 16q21
Loss 16q23.3
Gain 17q11.2
17q12 (HER2)
Loss 17q21.2
Gain 19q13.2
Gain 19q13.42
Loss 22q12.3
Loss 22q13.33
Luminal B
HER2
C
Loss 1p12
Loss 2q37.1
Loss 4p14
Loss 4q21.23
Loss 4q35.2
Loss 5q11.2
Loss 5q14.3
Loss 5q31.2
Gain 7q36.1
Loss 9q31.1
Loss 9q34.11
Gain 9q34.3
Gain 10p13
Loss 10q21.1
Gain 12p13.31
Gain 12q14.1
Loss 14q12
Loss 14q32.32
Gain 17q11.2
Gain 17q12
17q12 (HER2)
Gain 17q21.33
Gain 17q23.2
Gain 17q23.2 (telo)
Gain 19p13.3
Gain 19q13.42
Basal-like
HER2+/ER–
D
Aneuploid
Diploid
ER–
ER+
Gain 1p31.3
Gain 1q21.3
Gain 3q26.32
Loss 5q14.3
Loss 6q26
Gain 8q22.3
Gain 11q13.3
Loss 16q21
Loss 16q23.3
Gain 20q11.22
Gain 20q13.2