Benchmark 60% − 40%

Parameters:

- 60% − 40% pairwise patterns
- 20 samples for each combination
- 5% uniform noise

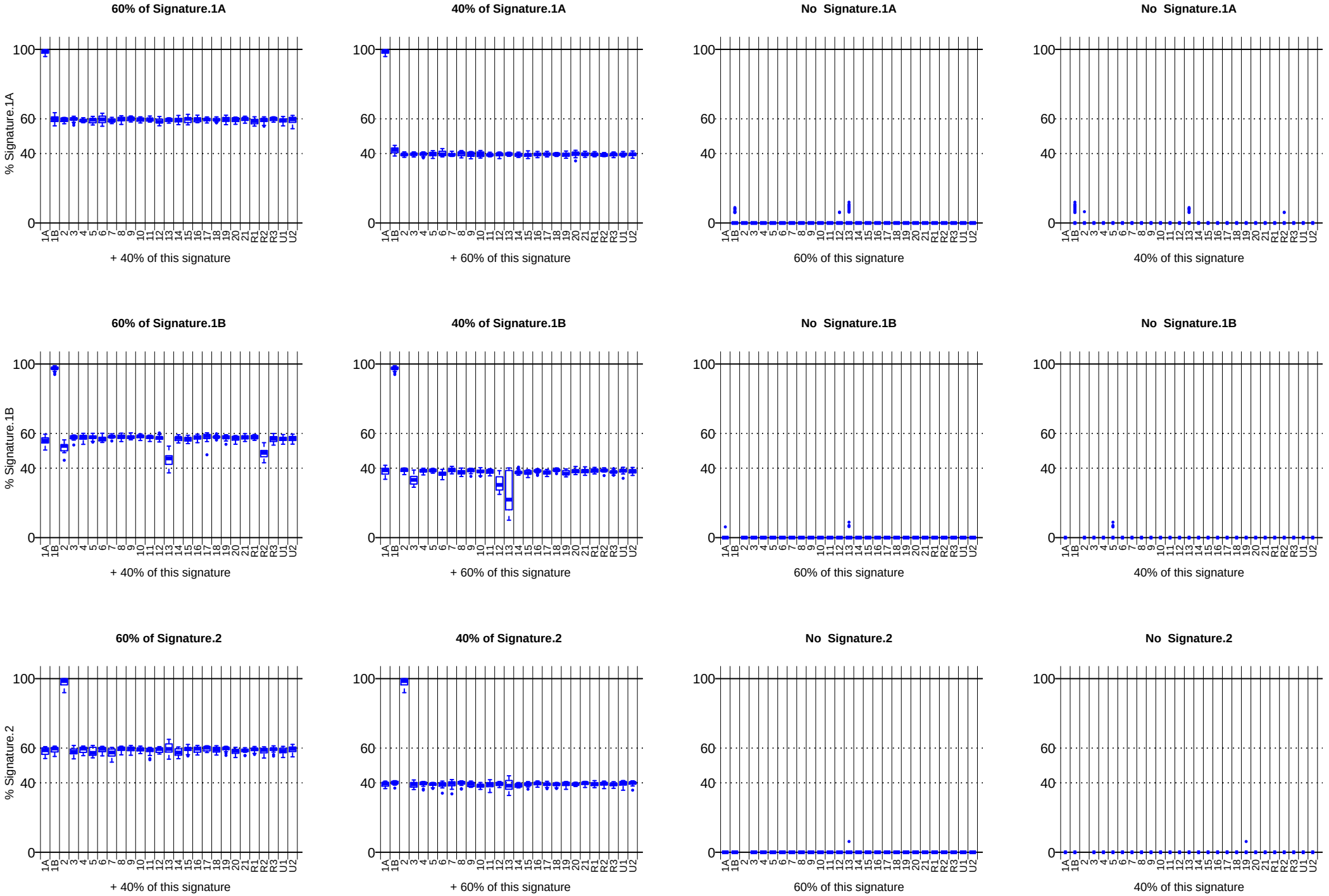
Each row corresponds to a particular signature (27 in total)

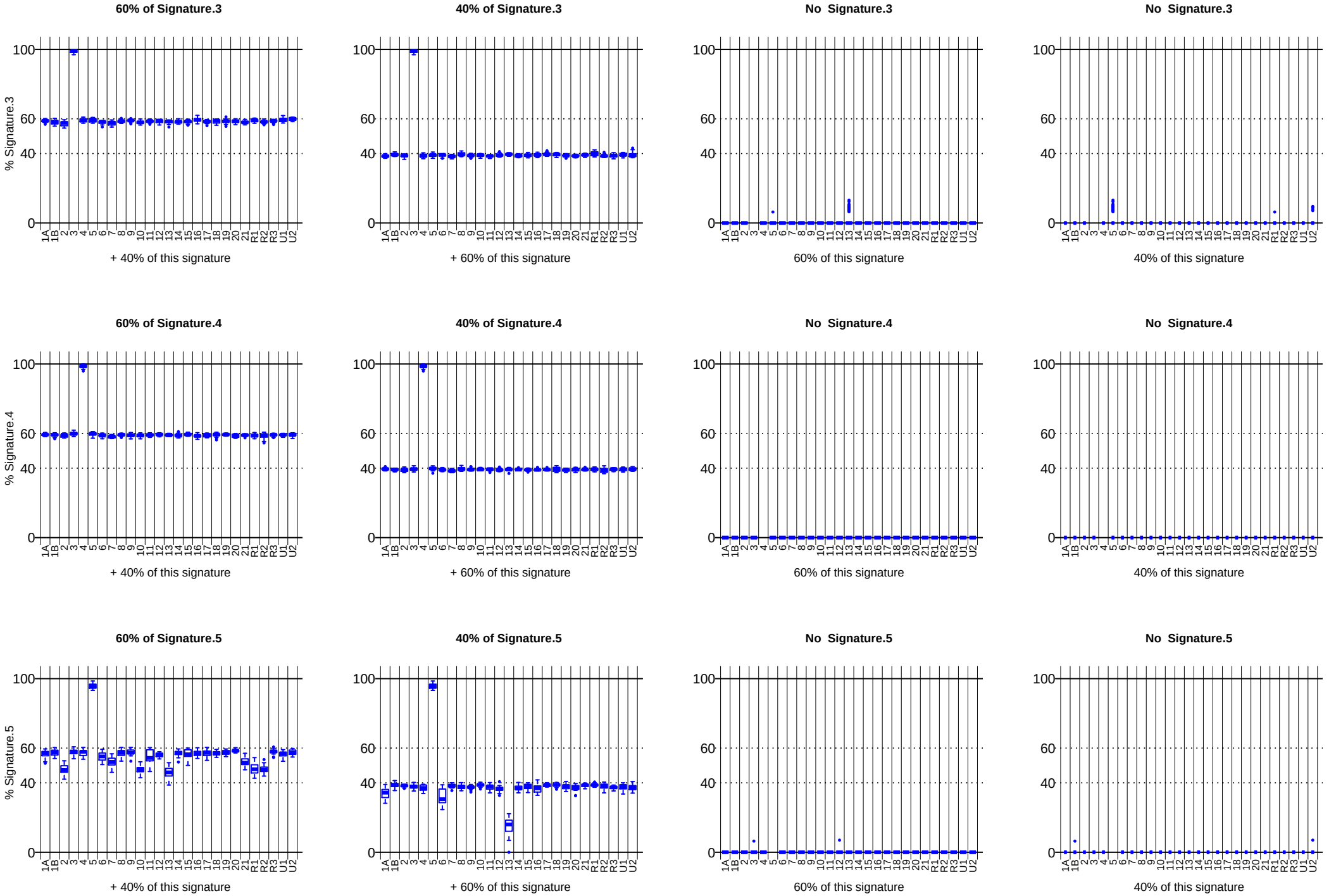
For each signature, there are 4 boxplots showing the contribution of that signature:

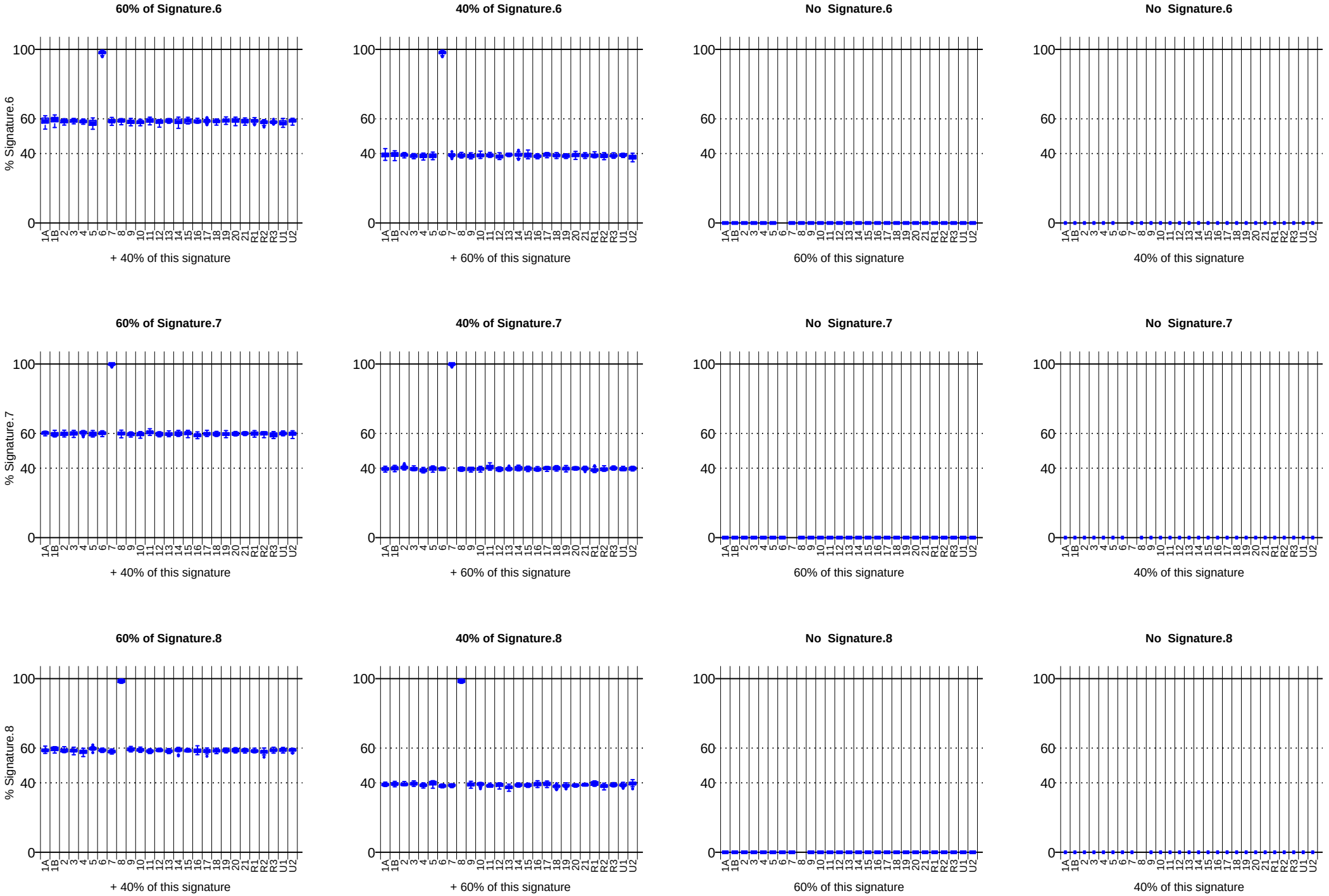
1. when it forms 60% of the simulated pattern, w.r.t. the signature that forms 40% of the pattern
2. when it forms 40% of the simulated pattern, w.r.t. the signature that forms 60% of the pattern
3. when it is not in the simulated pattern, w.r.t. the signature that forms 60% of the pattern
4. when it is not in the simulated pattern, w.r.t. the signature that forms 40% of the pattern

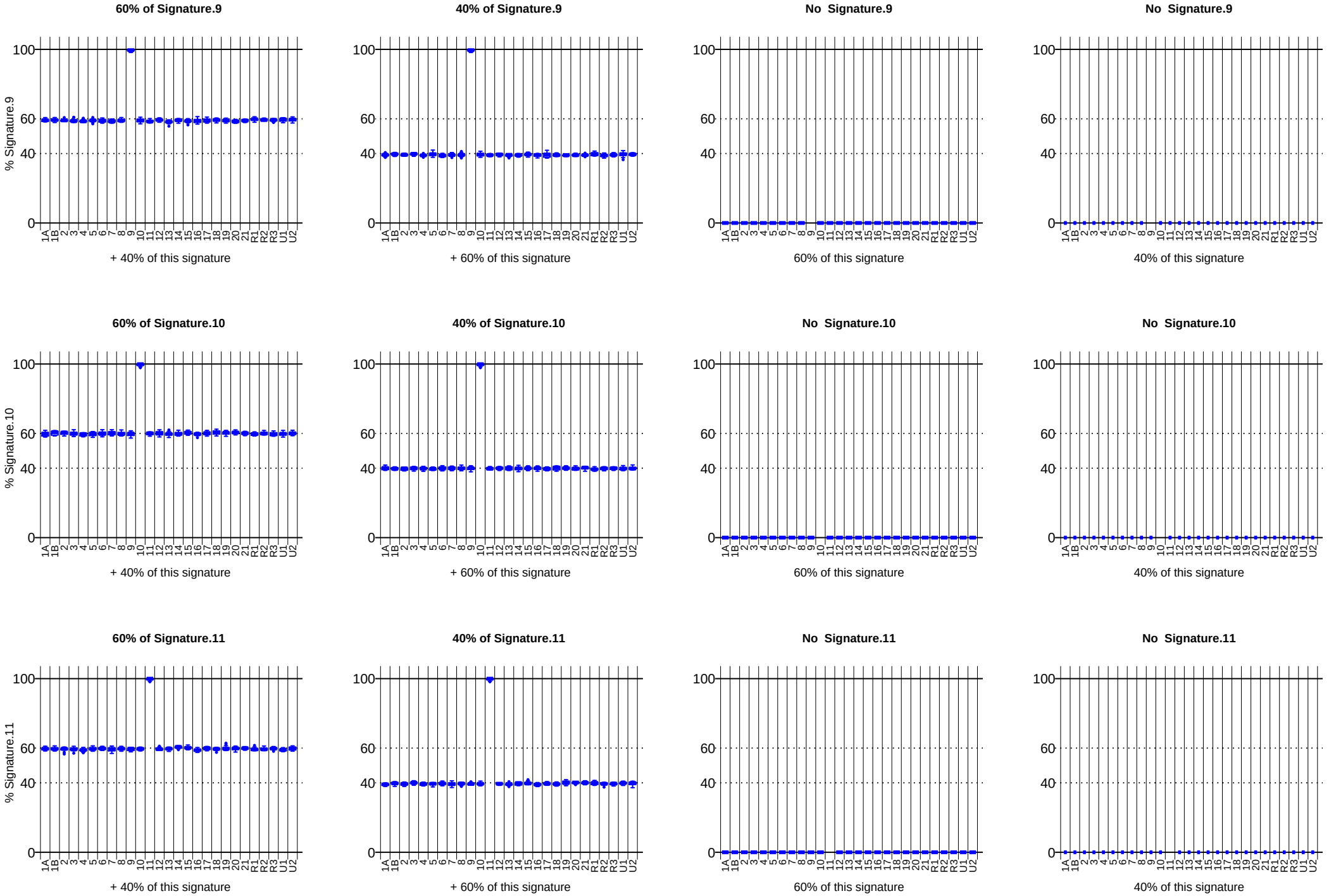
The most challenging cases correspond to the presence of sig.1B or sig.5, especially when combined with sig.13.

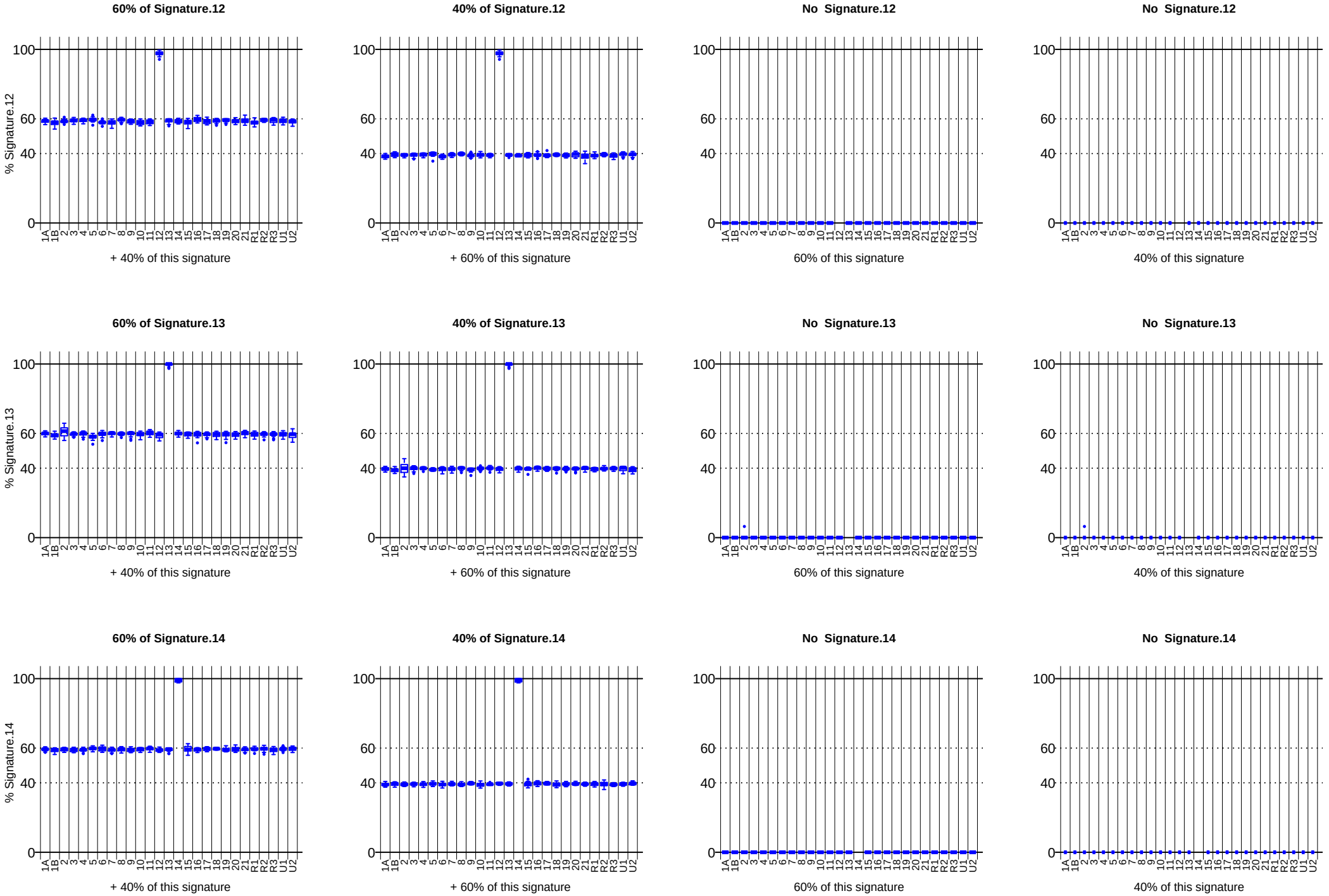
Nearly all other cases behave as expected.

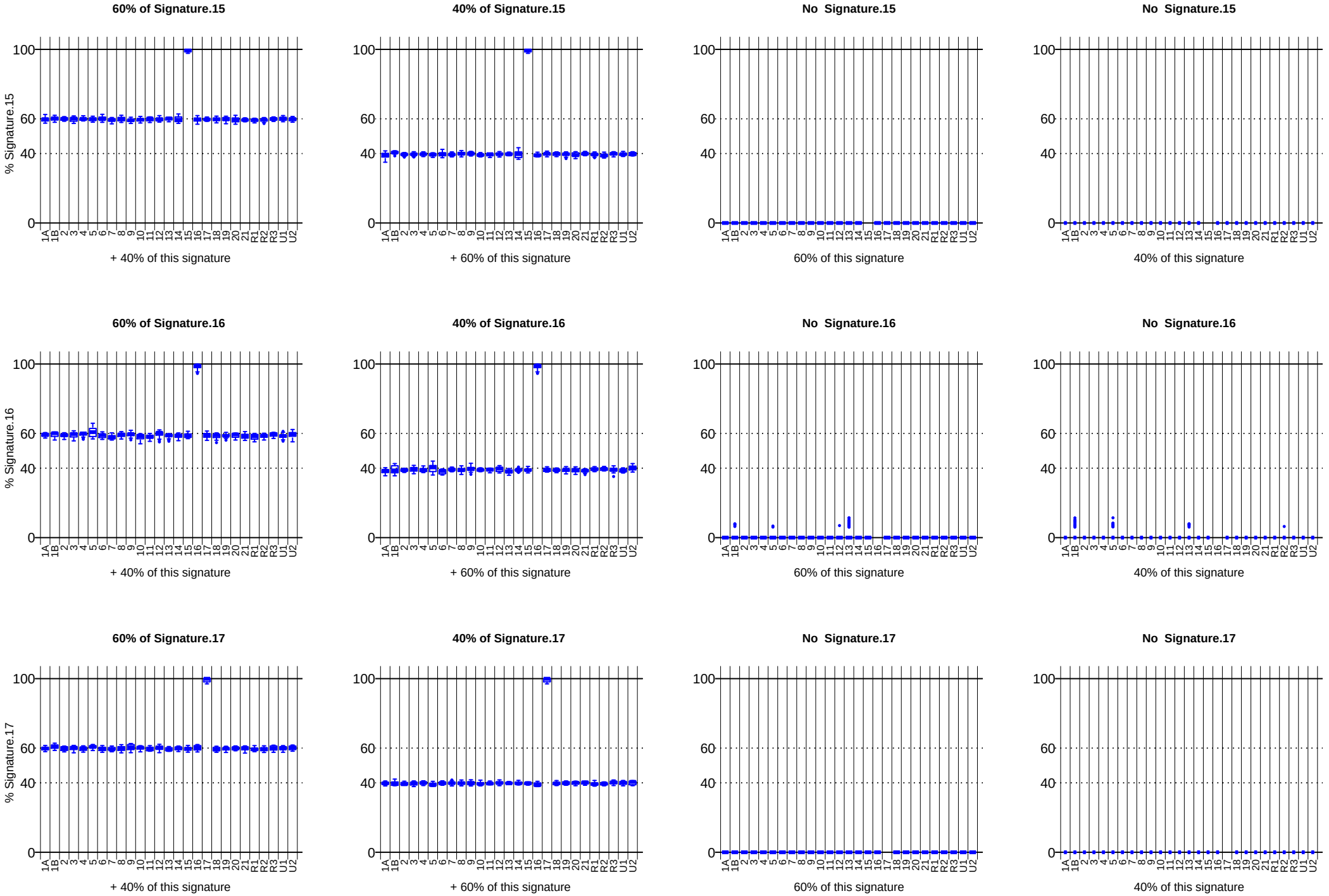

60% of Signature.1A
40% of Signature.1A
No Signature.1A
No Signature.1A
% Signature.1A
+ 40% of this signature
+ 60% of this signature
60% of this signature
40% of this signature
60% of Signature.1B
40% of Signature.1B
No Signature.1B
No Signature.1B
% Signature.1B
+ 40% of this signature
+ 60% of this signature
60% of this signature
40% of this signature
60% of Signature.2
40% of Signature.2
No Signature.2
No Signature.2
% Signature.2
+ 40% of this signature
+ 60% of this signature
60% of this signature
40% of this signature
0
40
60
100
1A 1B 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 R1 R2 R3 U1 U2

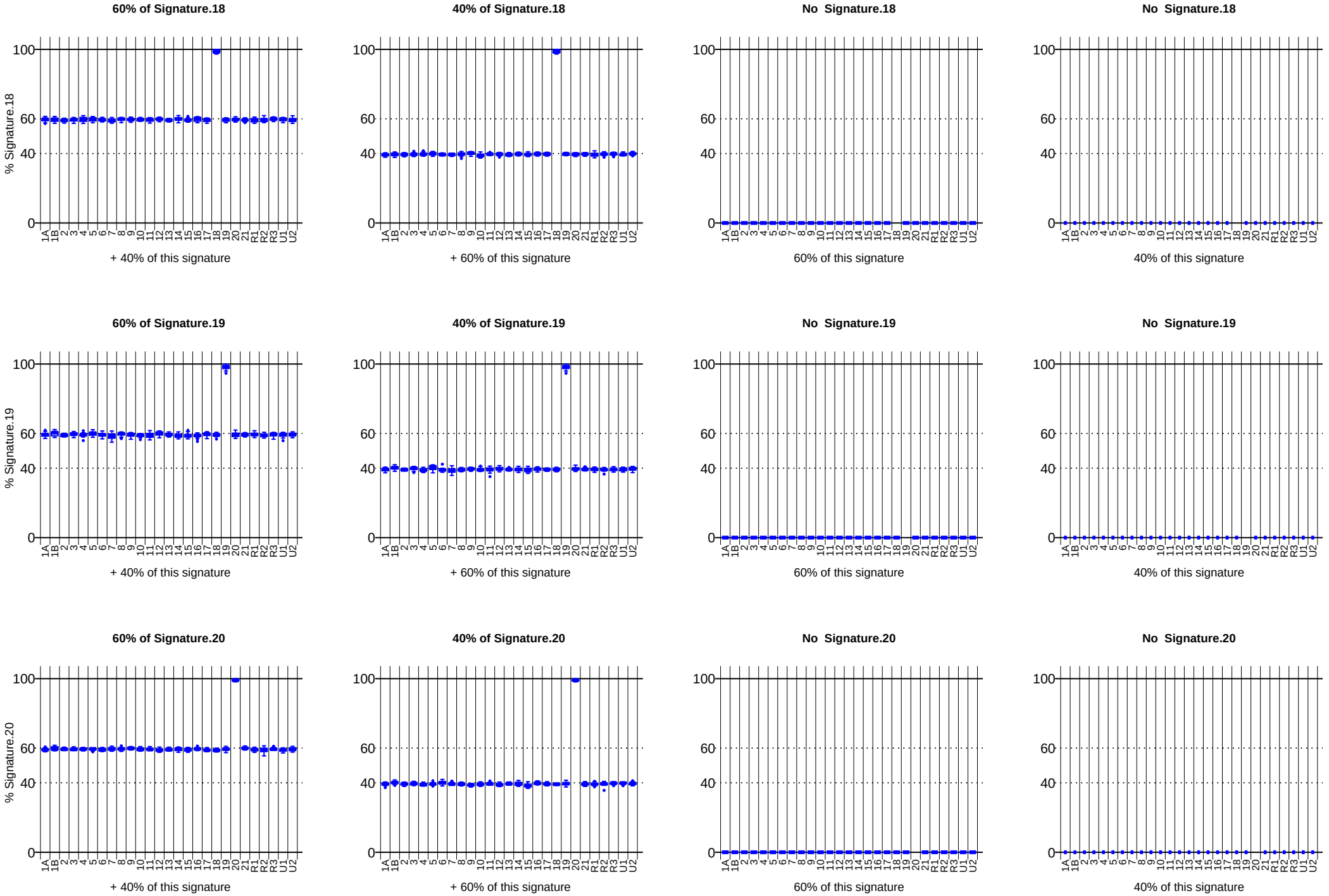

60% of Signature.3
40% of Signature.3
No Signature.3
No Signature.3
% Signature.3
100
60
40
0
1A 1B 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 R1 R2 R3 U1 U2
+ 40% of this signature
+ 60% of this signature
60% of this signature
40% of this signature
60% of Signature.4
40% of Signature.4
No Signature.4
No Signature.4
% Signature.4
+ 40% of this signature
+ 60% of this signature
60% of this signature
40% of this signature
60% of Signature.5
40% of Signature.5
No Signature.5
No Signature.5
% Signature.5
+ 40% of this signature
+ 60% of this signature
60% of this signature
40% of this signature

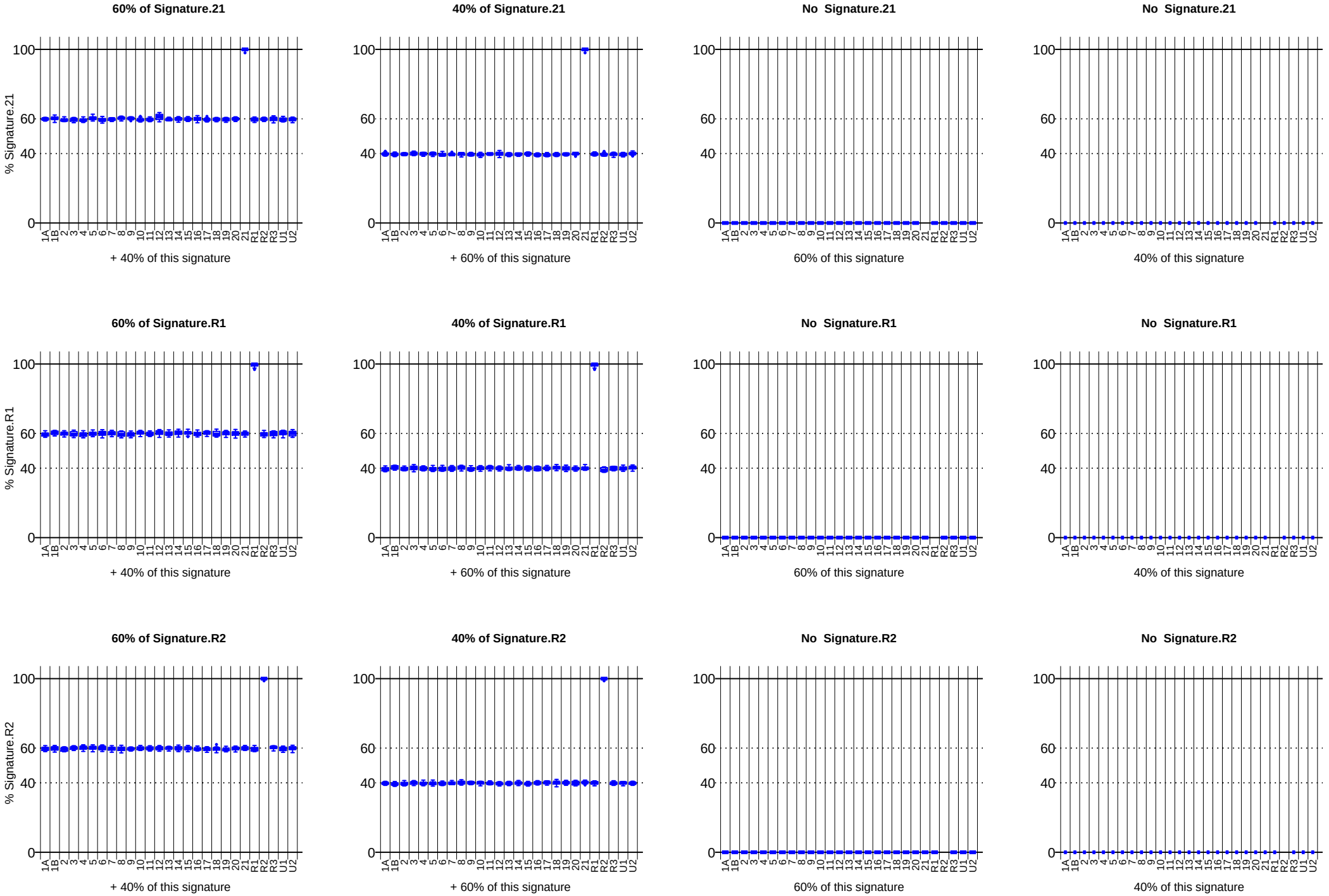

60% of Signature.6
40% of Signature.6
No Signature.6
No Signature.6
% Signature.6
100
60
40
0
1A 1B 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 R1 R2 R3 U1 U2
+ 40% of this signature
+ 60% of this signature
60% of this signature
40% of this signature
60% of Signature.7
40% of Signature.7
No Signature.7
No Signature.7
% Signature.7
+ 40% of this signature
+ 60% of this signature
60% of this signature
40% of this signature
60% of Signature.8
40% of Signature.8
No Signature.8
No Signature.8
% Signature.8
+ 40% of this signature
+ 60% of this signature
60% of this signature
40% of this signature

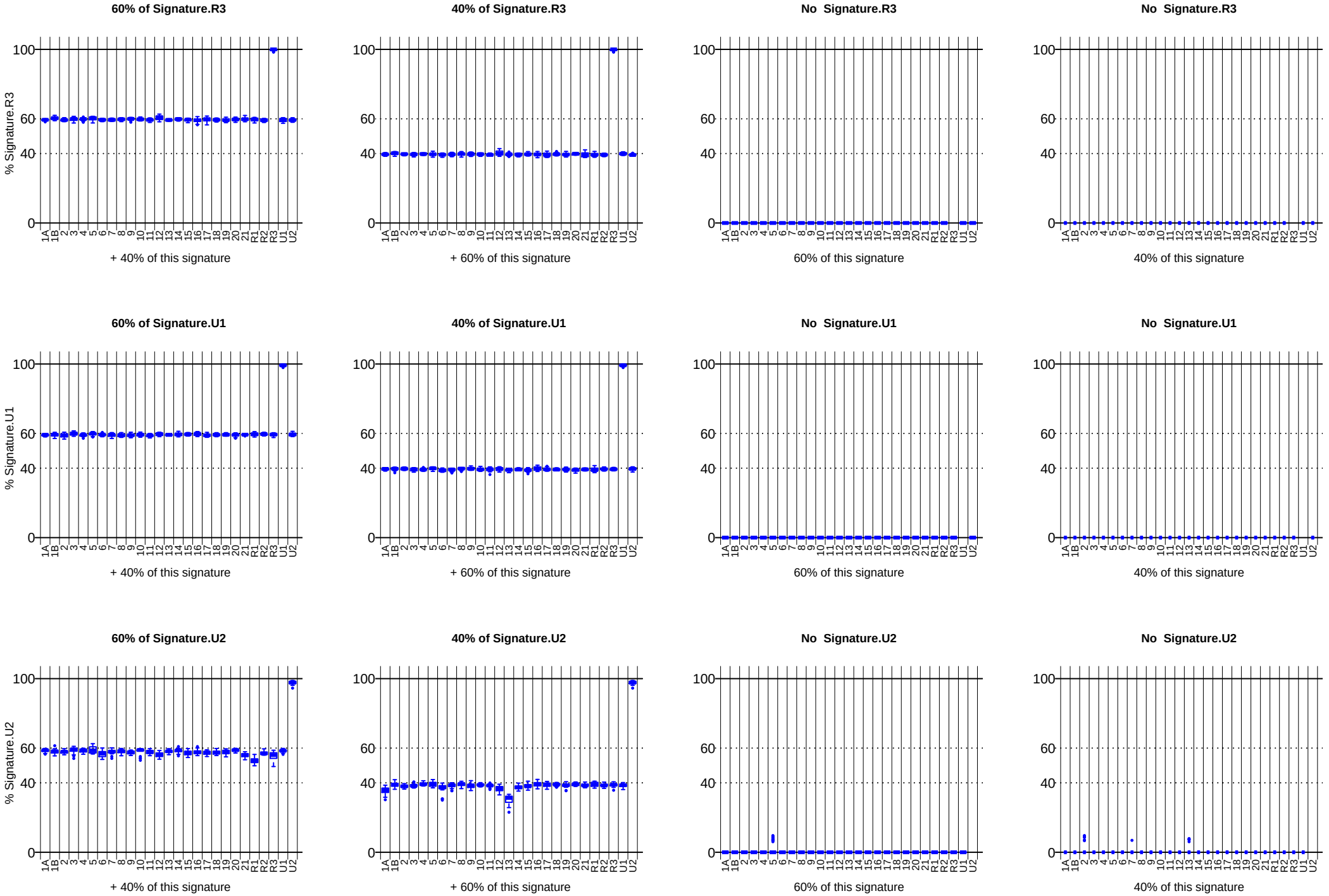

60% of Signature.9
40% of Signature.9
No Signature.9
No Signature.9
% Signature.9
100
60
40
0
1A 1B 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 R1 R2 R3 U1 U2
+ 40% of this signature
+ 60% of this signature
60% of this signature
40% of this signature
60% of Signature.10
40% of Signature.10
No Signature.10
No Signature.10
% Signature.10
+ 40% of this signature
+ 60% of this signature
60% of this signature
40% of this signature
60% of Signature.11
40% of Signature.11
No Signature.11
No Signature.11
% Signature.11
+ 40% of this signature
+ 60% of this signature
60% of this signature
40% of this signature


60% of Signature.12
40% of Signature.12
No Signature.12
No Signature.12
% Signature.12
100
60
40
0
1A 1B 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 R1 R2 R3 U1 U2
+ 40% of this signature
+ 60% of this signature
60% of this signature
40% of this signature
60% of Signature.13
40% of Signature.13
No Signature.13
No Signature.13
% Signature.13
+ 40% of this signature
+ 60% of this signature
60% of this signature
40% of this signature
60% of Signature.14
40% of Signature.14
No Signature.14
No Signature.14
% Signature.14
+ 40% of this signature
+ 60% of this signature
60% of this signature
40% of this signature


60% of Signature.15
40% of Signature.15
No Signature.15
No Signature.15
% Signature.15
100
60
40
0
1A 1B 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 R1 R2 R3 U1 U2
+ 40% of this signature
+ 60% of this signature
60% of this signature
40% of this signature
60% of Signature.16
40% of Signature.16
No Signature.16
No Signature.16
% Signature.16
+ 40% of this signature
+ 60% of this signature
60% of this signature
40% of this signature
60% of Signature.17
40% of Signature.17
No Signature.17
No Signature.17
% Signature.17
+ 40% of this signature
+ 60% of this signature
60% of this signature
40% of this signature


60% of Signature.18
40% of Signature.18
No Signature.18
No Signature.18
% Signature.18
% Signature.19
% Signature.20
100
60
40
0
1A 1B 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 R1 R2 R3 U1 U2
+ 40% of this signature
+ 60% of this signature
60% of this signature
40% of this signature
60% of Signature.19
40% of Signature.19
No Signature.19
No Signature.19
60% of Signature.20
40% of Signature.20
No Signature.20
No Signature.20


60% of Signature.21
40% of Signature.21
No Signature.21
No Signature.21
60% of Signature.R1
40% of Signature.R1
No Signature.R1
No Signature.R1
60% of Signature.R2
40% of Signature.R2
No Signature.R2
No Signature.R2
% Signature.21
% Signature.R1
% Signature.R2
100
60
40
0
1A 1B 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 R1 R2 R3 U1 U2
+ 40% of this signature
+ 60% of this signature
60% of this signature
40% of this signature


60% of Signature.R3
40% of Signature.R3
No Signature.R3
No Signature.R3
% Signature.R3
+ 40% of this signature
+ 60% of this signature
60% of this signature
40% of this signature
60% of Signature.U1
40% of Signature.U1
No Signature.U1
No Signature.U1
% Signature.U1
+ 40% of this signature
+ 60% of this signature
60% of this signature
40% of this signature
60% of Signature.U2
40% of Signature.U2
No Signature.U2
No Signature.U2
% Signature.U2
+ 40% of this signature
+ 60% of this signature
60% of this signature
40% of this signature
0
40
60
100
1A
1B
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
R1
R2
R3
U1
U2