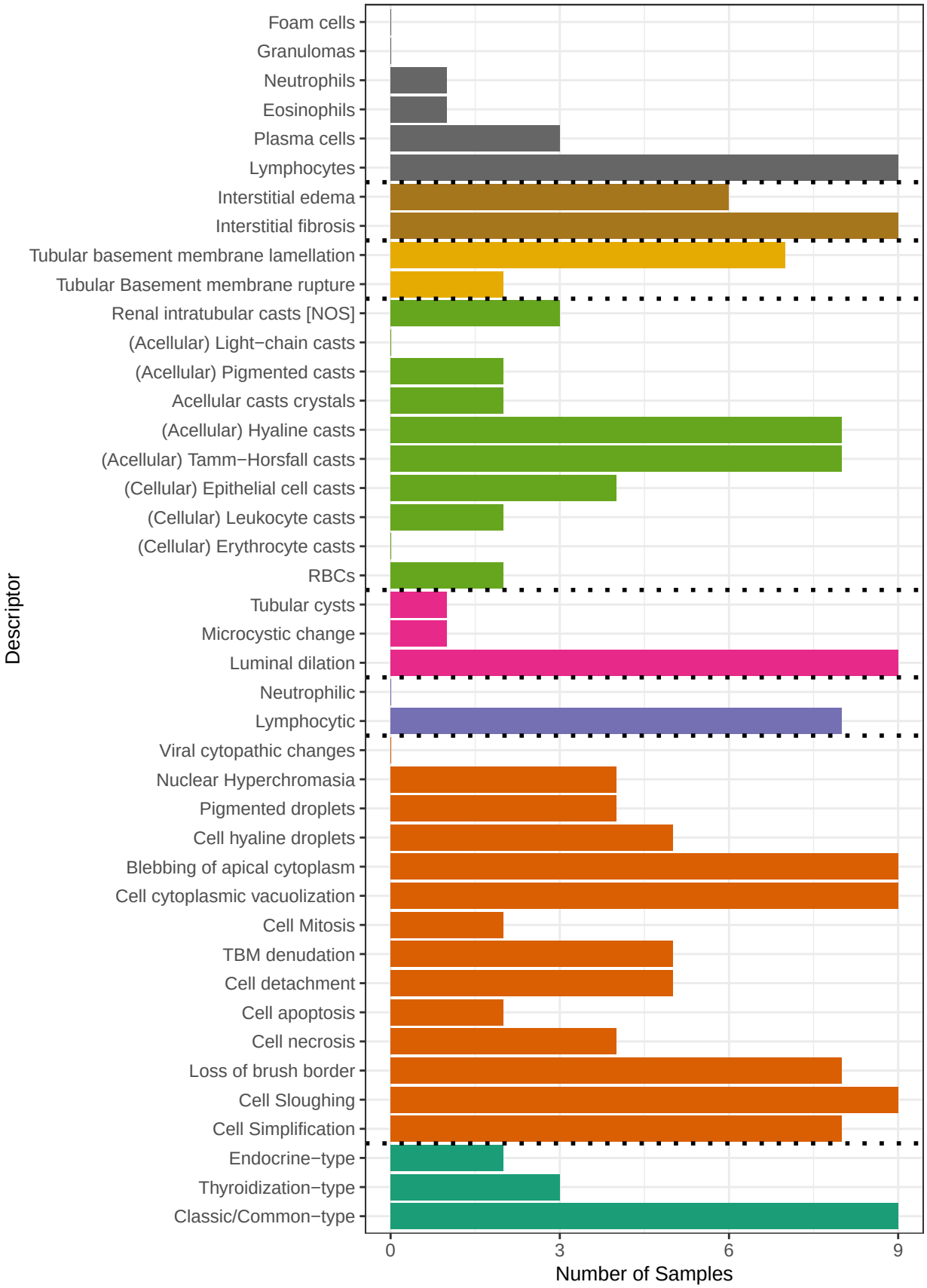


Figure 1: Number of samples that had each descriptor feature. A descriptor is counted as present for a sample if it was indicated as present in any grid by any reviewer. Dotted lines separate descriptors into 8 domains: Renal Tubular Atrophy, Tubular Cell Injury (other than atrophy), Tubulitis, Abnormal Tubular Luminal Morphology, Intratubular Casts, Tubular basement membrane Morphology, Extracellular matrix, Inflammation (from the bottom).

Figure 2: Estimated ICC of individual descriptor scores with 95% CI. Marked NA when the features were never present in any of 9 samples.

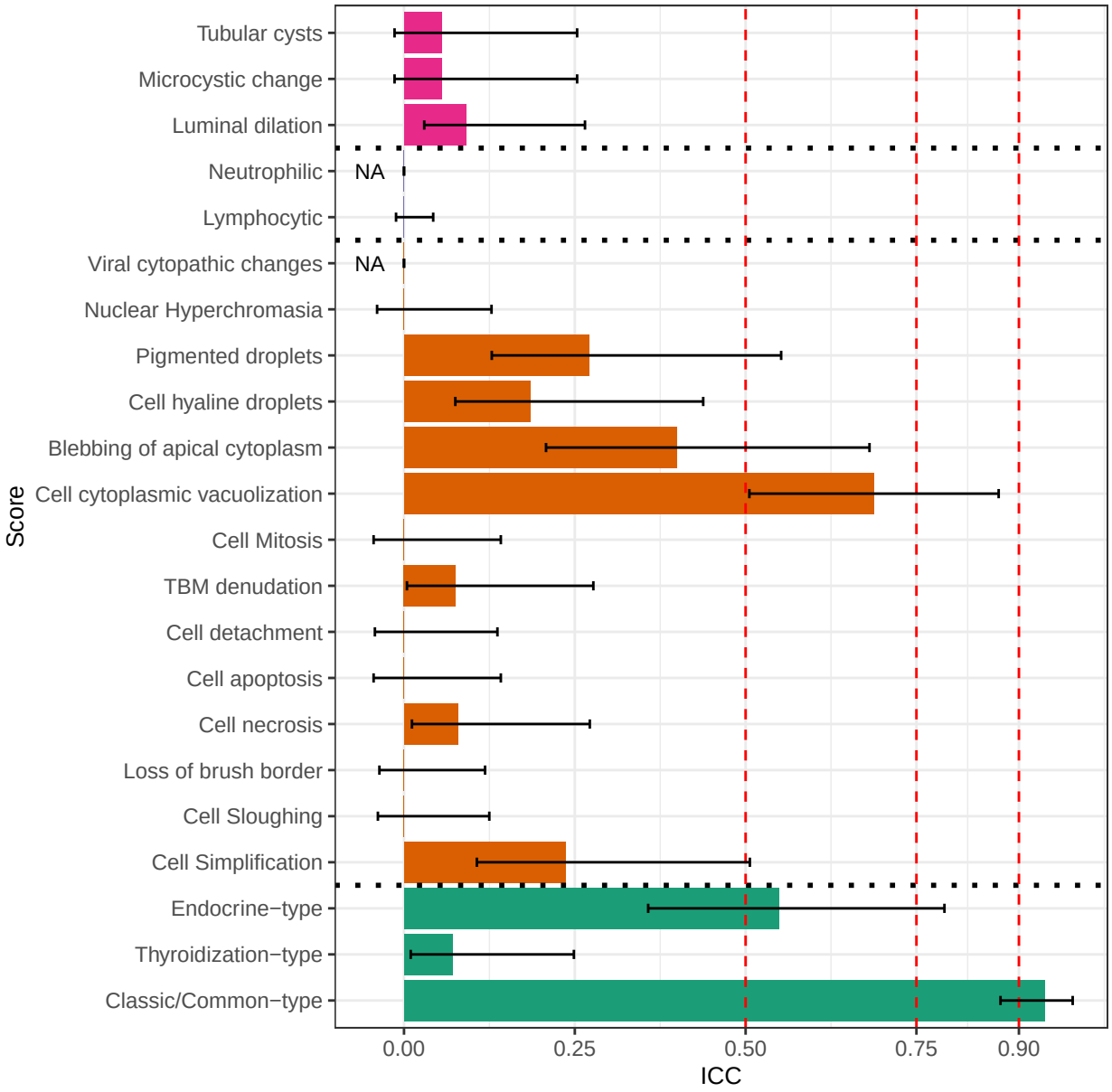


Figure 3: Estimated ICC of individual descriptor scores with 95% CI. Marked NA when the features were never present in any of 9 samples. (Part 1)

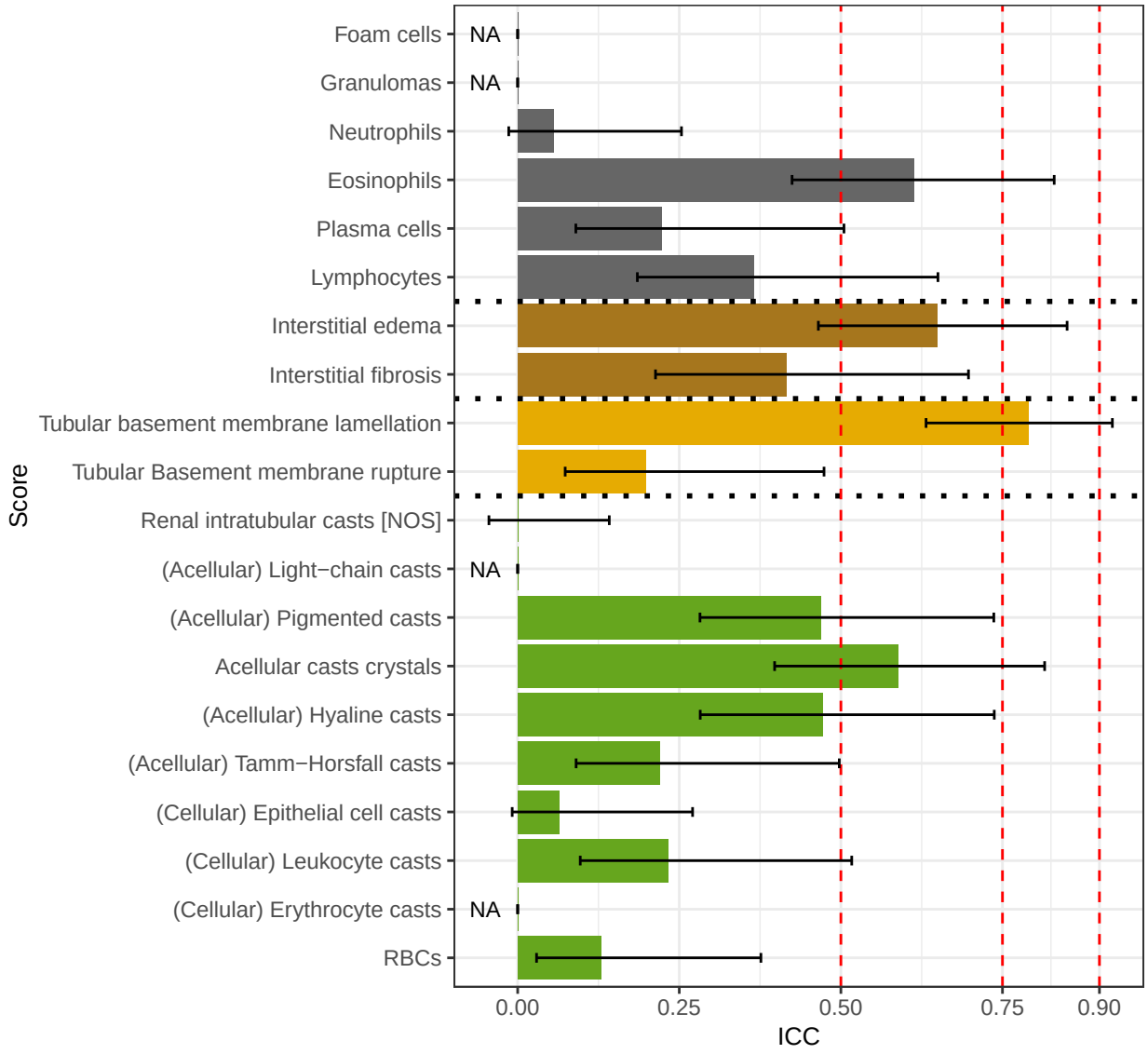


Figure 4: Estimated ICC of individual descriptor scores with 95% CI. Marked NA when the features were never present in any of 9 samples. (Part 2)

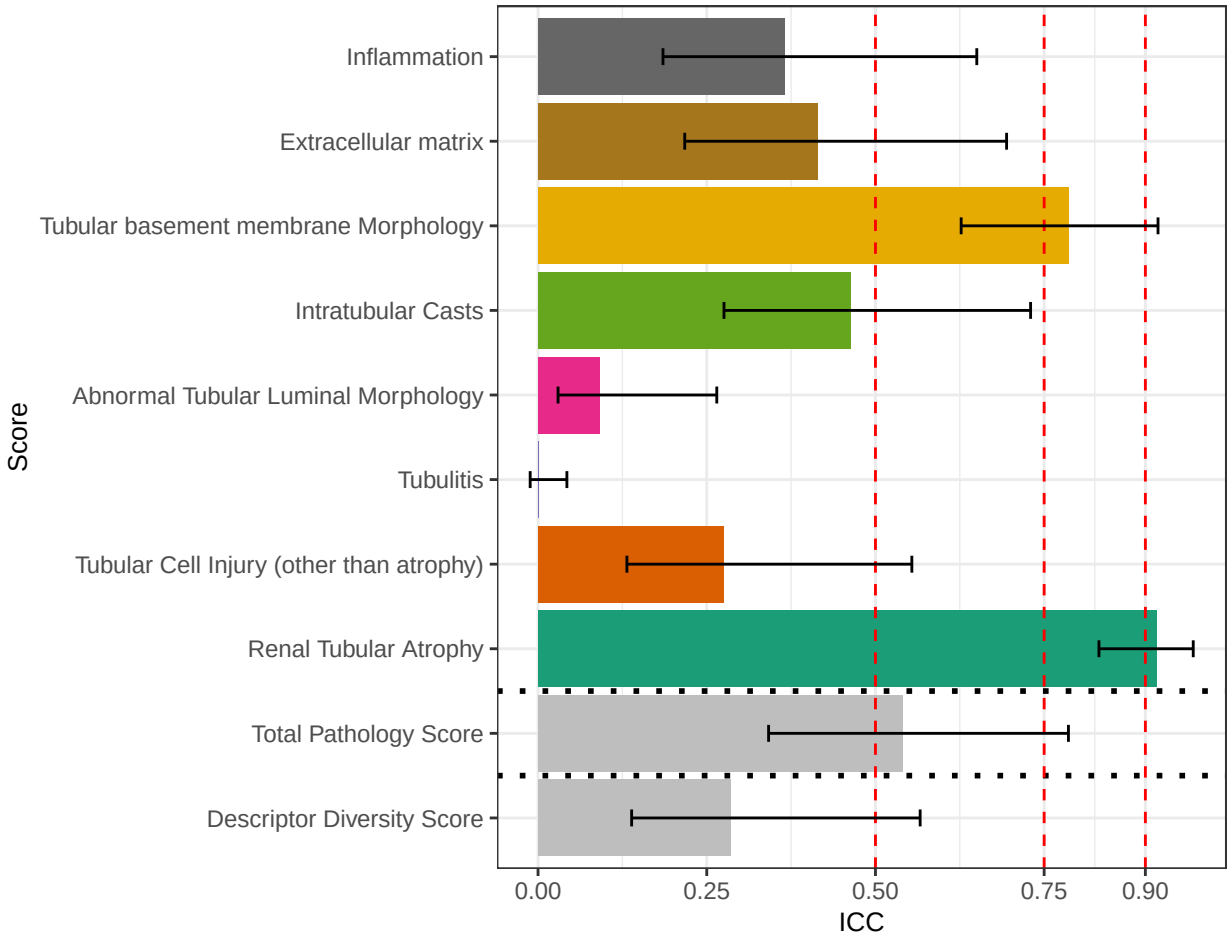


Figure 5: Estimated ICC of total pathology, domain specific, and descriptor diversity scores with 95% CI.

Figure 6: Estimated ICC of individual descriptor scoring of presence/absence at the grid level. Marked NA when the features were never present in any of 9 samples.

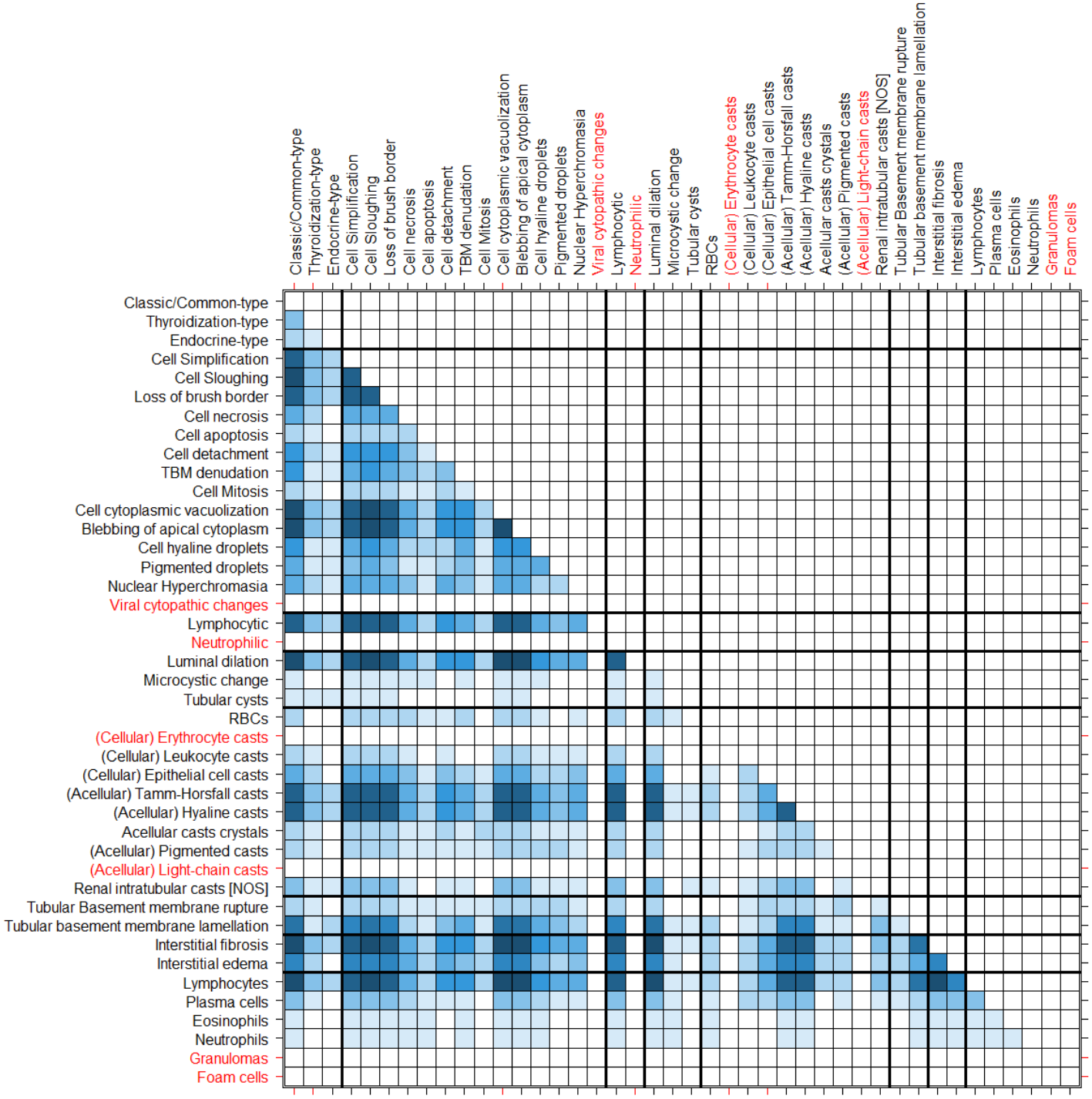


Figure 7: Heat map of co-occurrence. Co-occurrence is counted for a sample if two paired features were indicated as present in any grid by any reviewer. The highest frequency co-occurrences are marked dark blue and the lowest frequencies are white. Descriptors with red color were those never indicated as present in any grid by any reviewer.

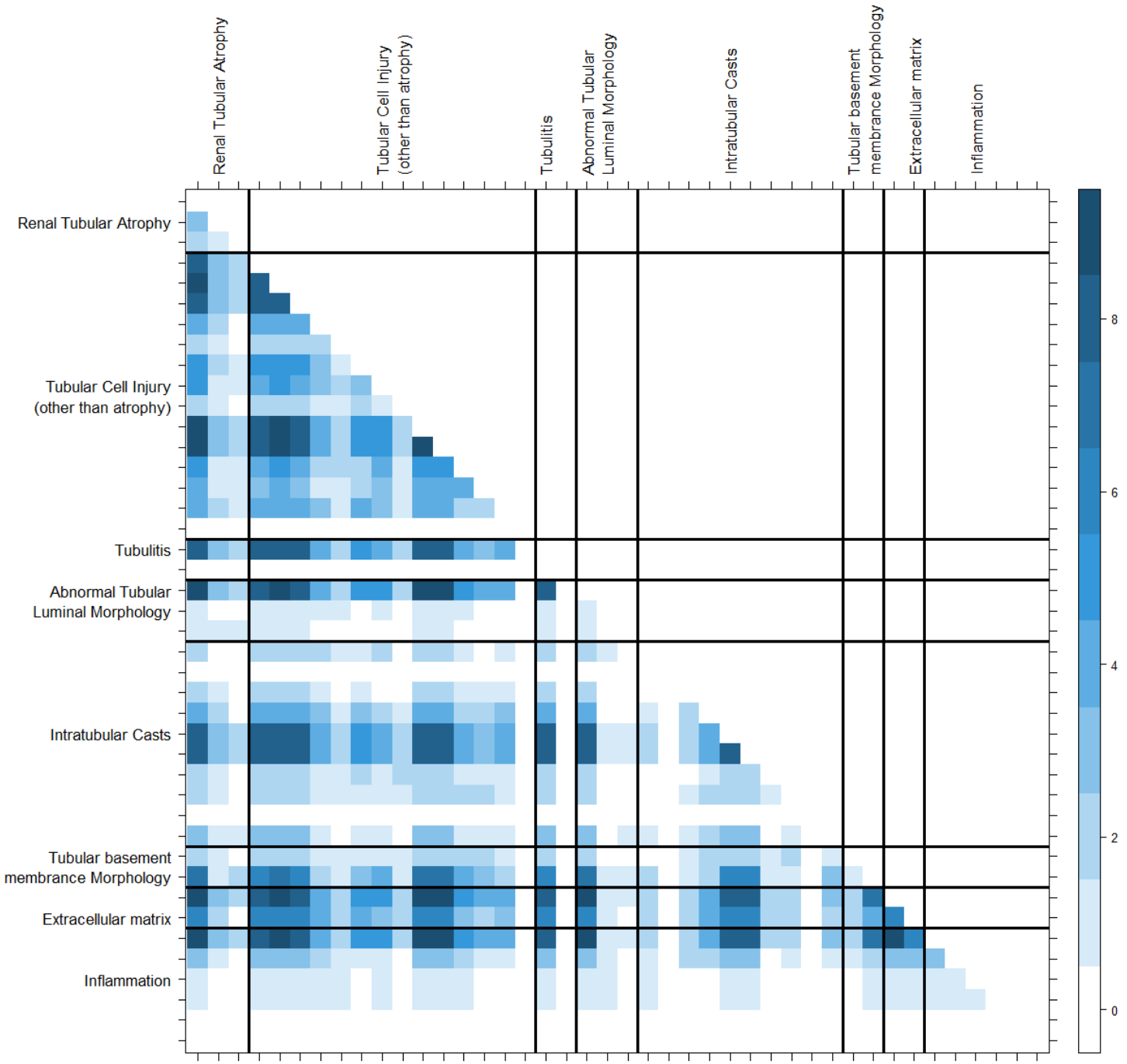
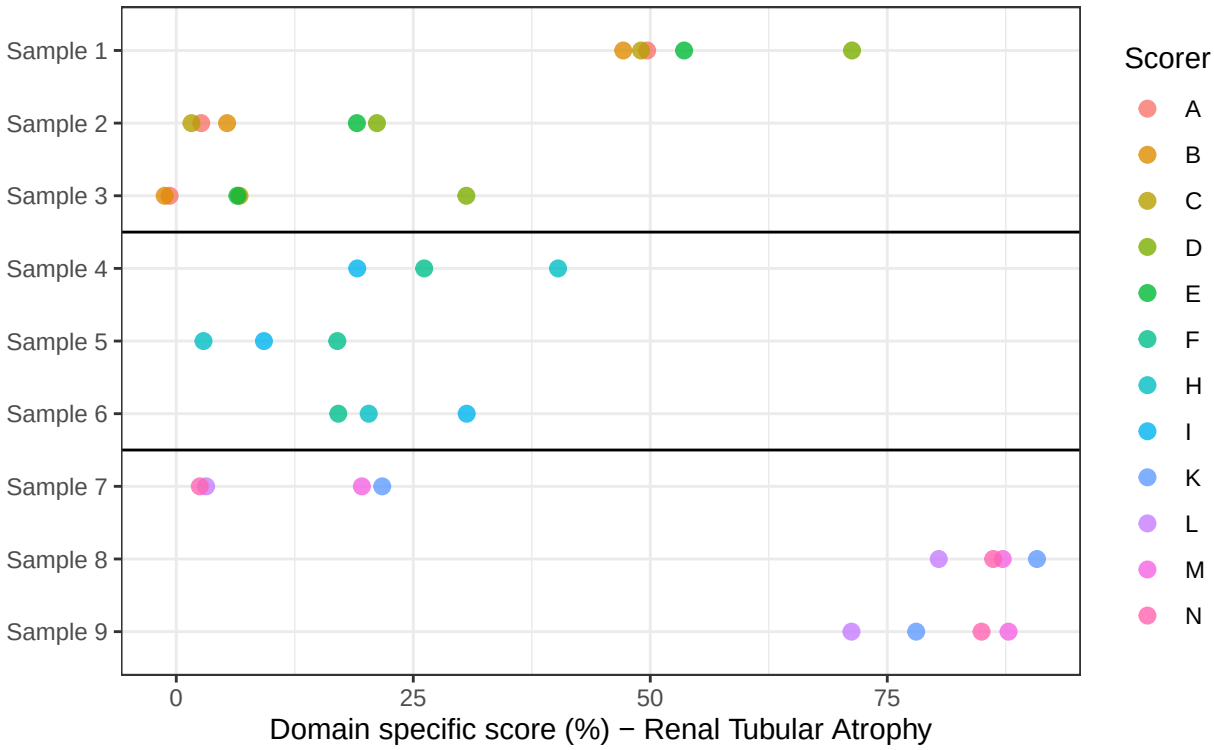
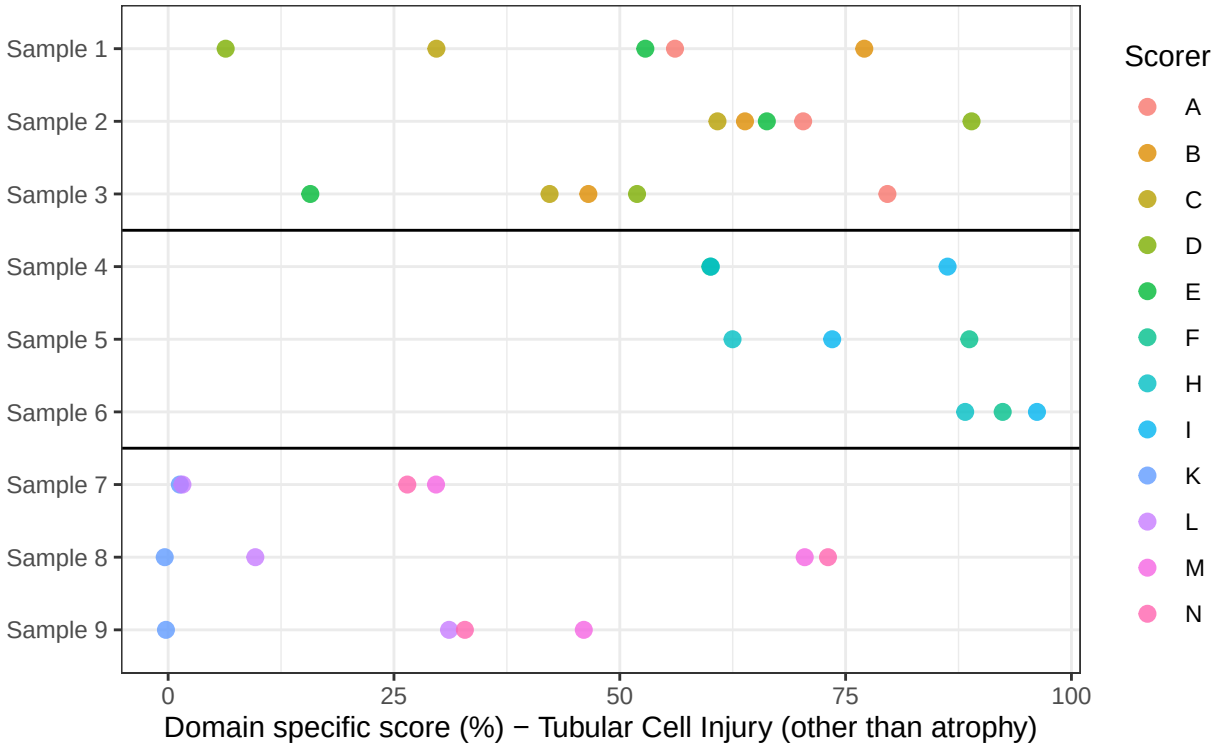
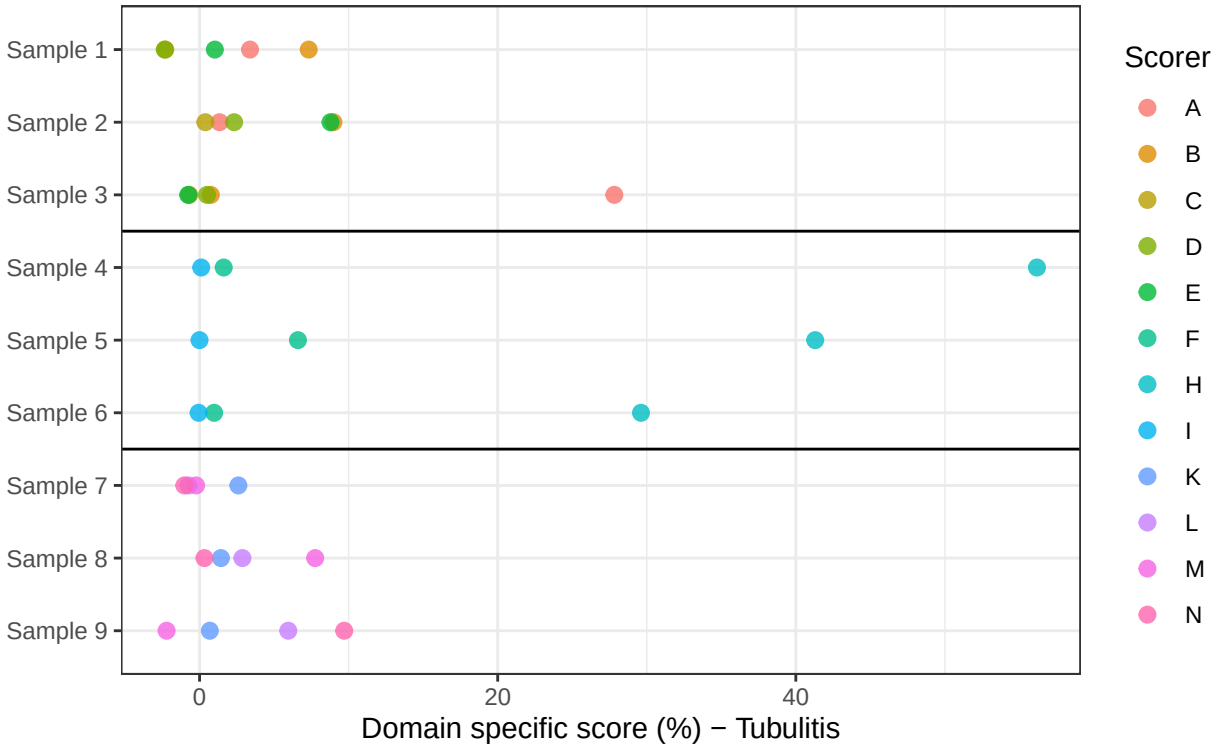


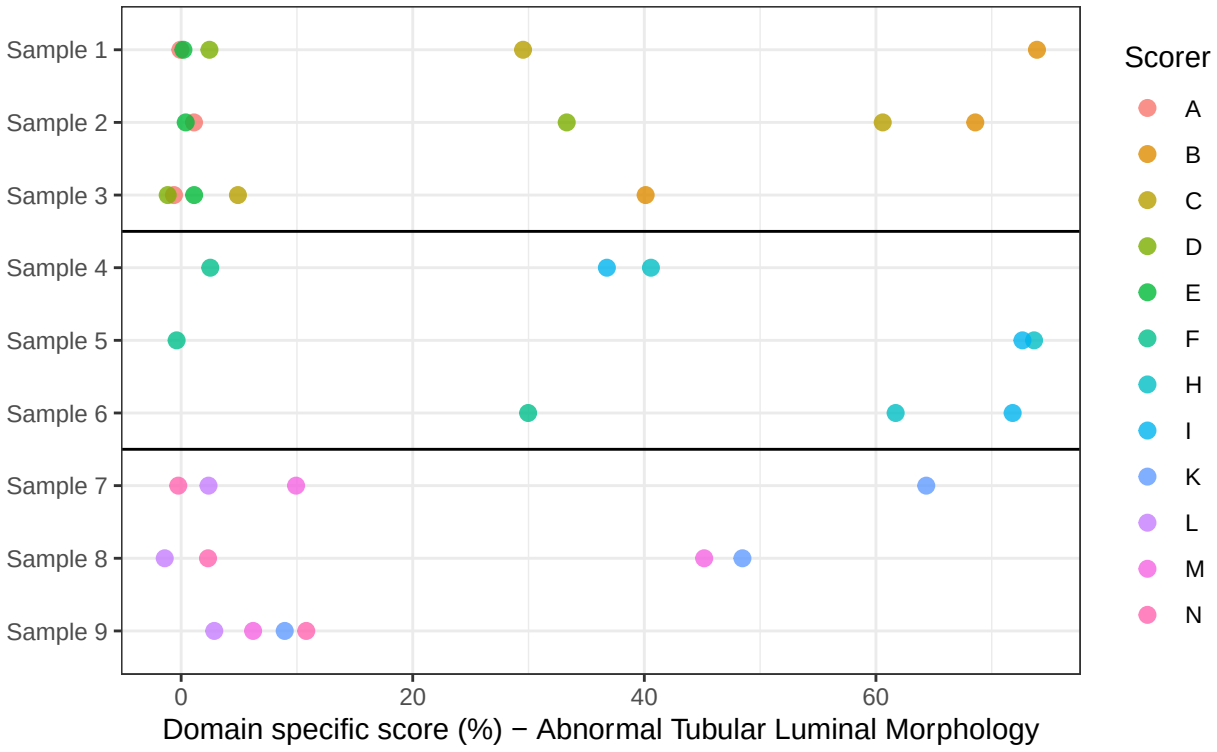
Figure 8: Heat map of co-occurrence with domain name and color code

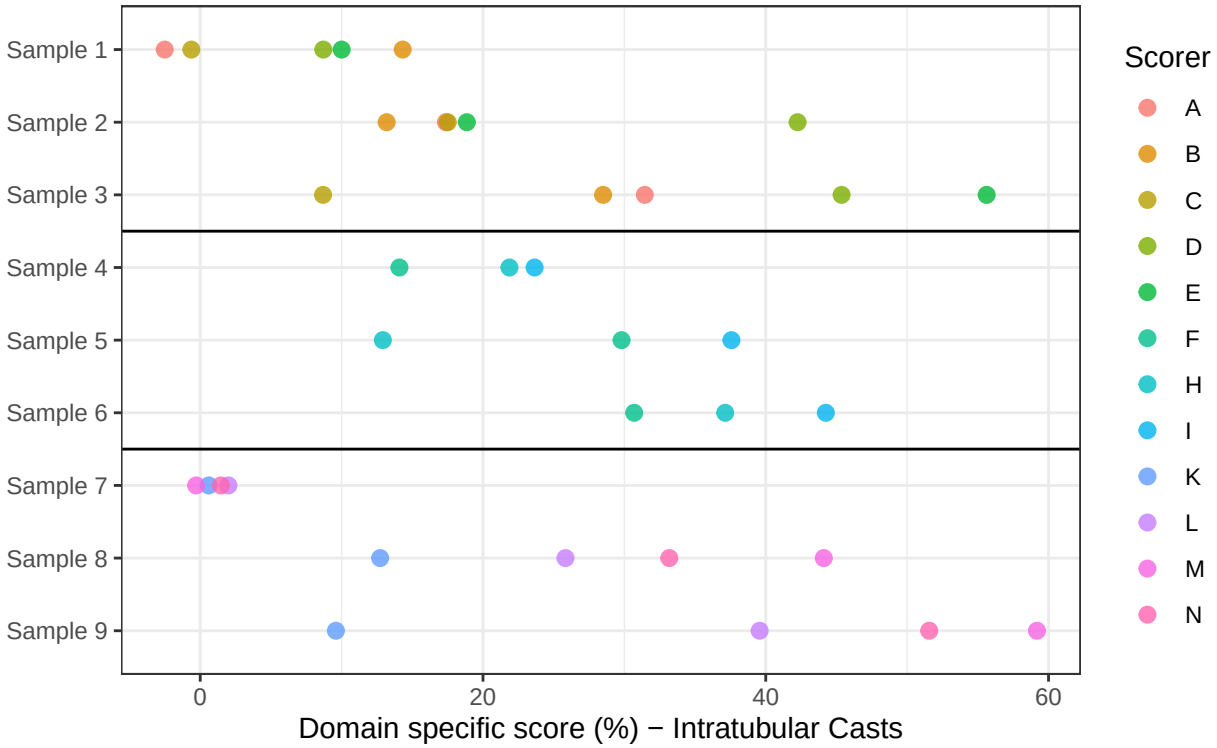
Supplementary material

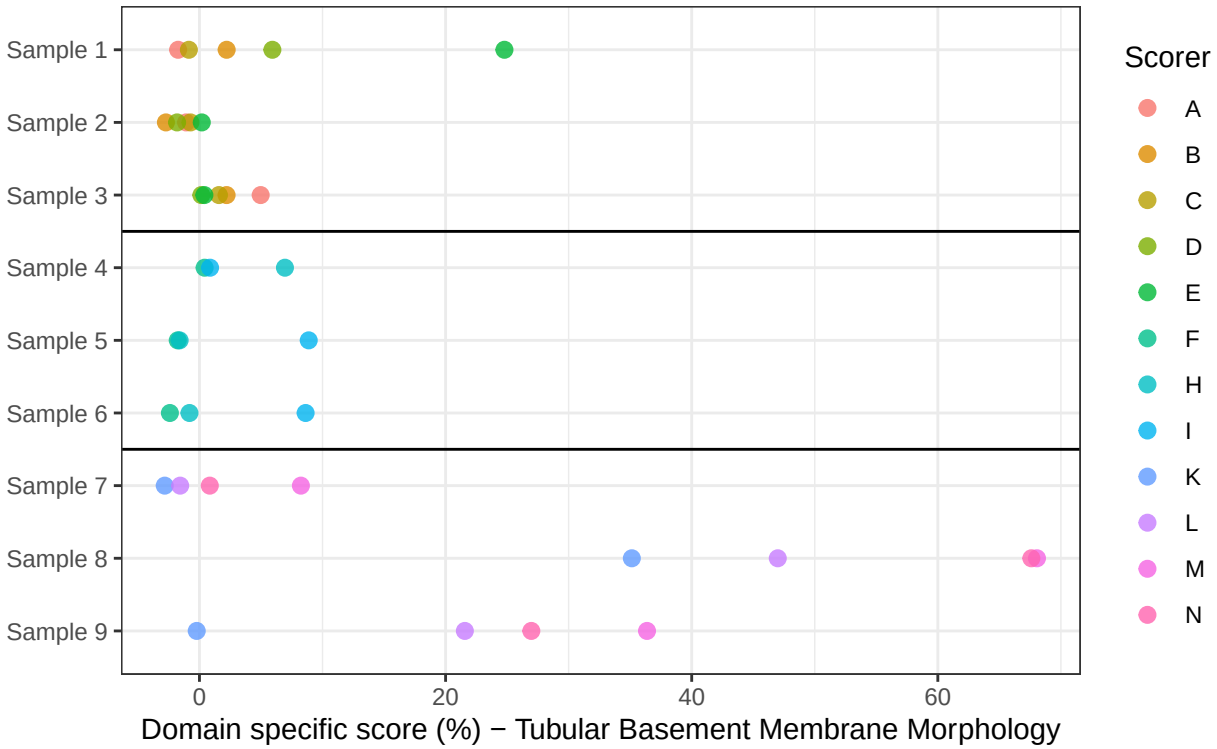


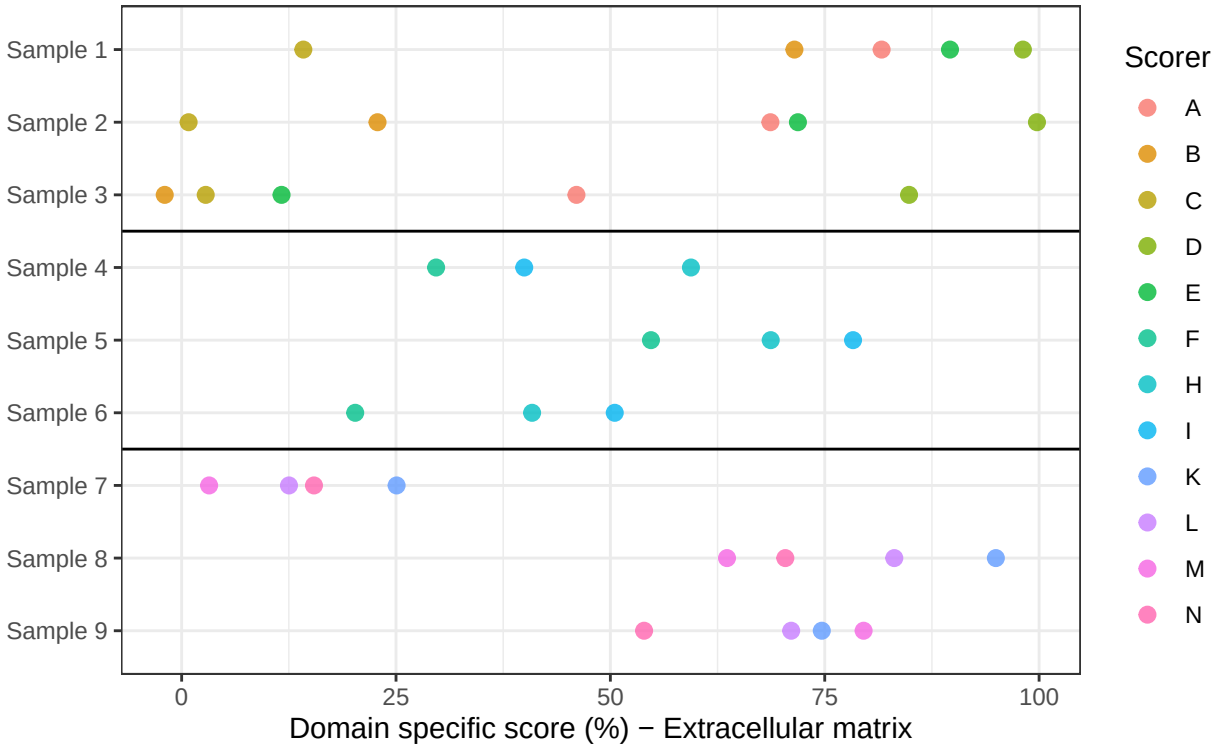


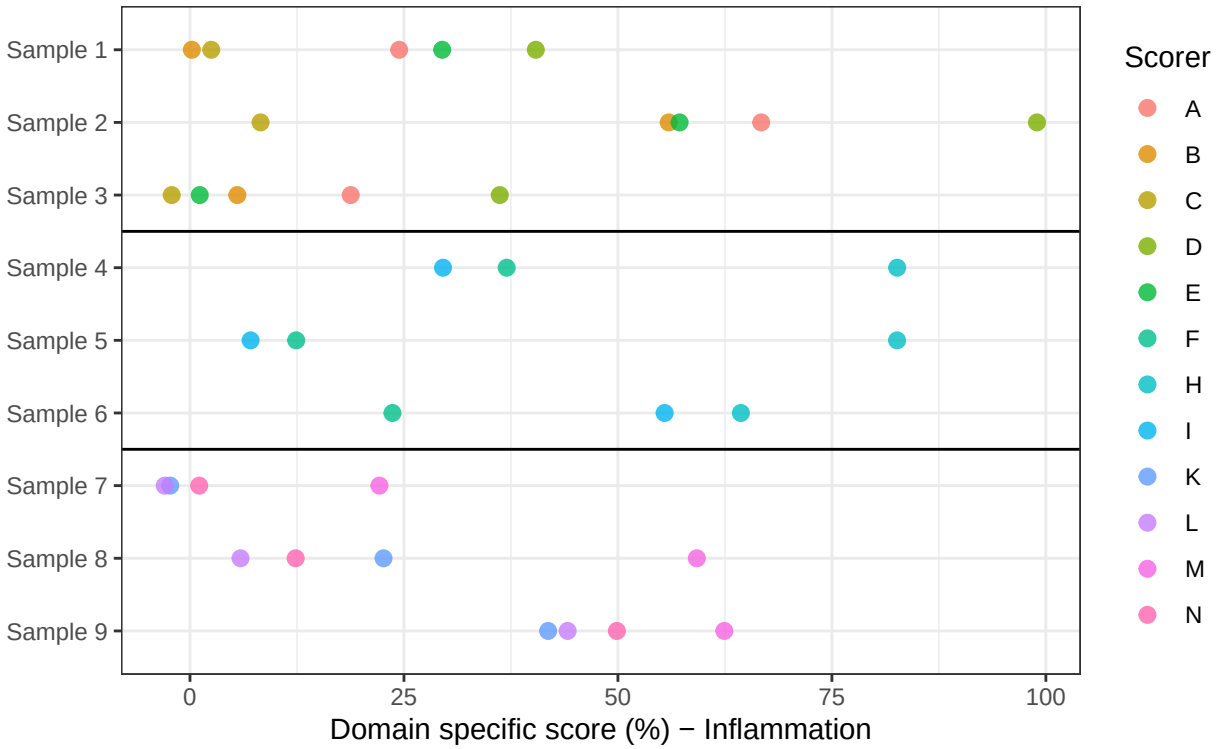

Sample 1
Sample 2
Sample 3
Sample 4
Sample 5
Sample 6
Sample 7
Sample 8
Sample 9
0
20
40
Domain specific score (%) − Tubulitis
Scorer
A
B
C
D
E
F
H
I
K
L
M
N

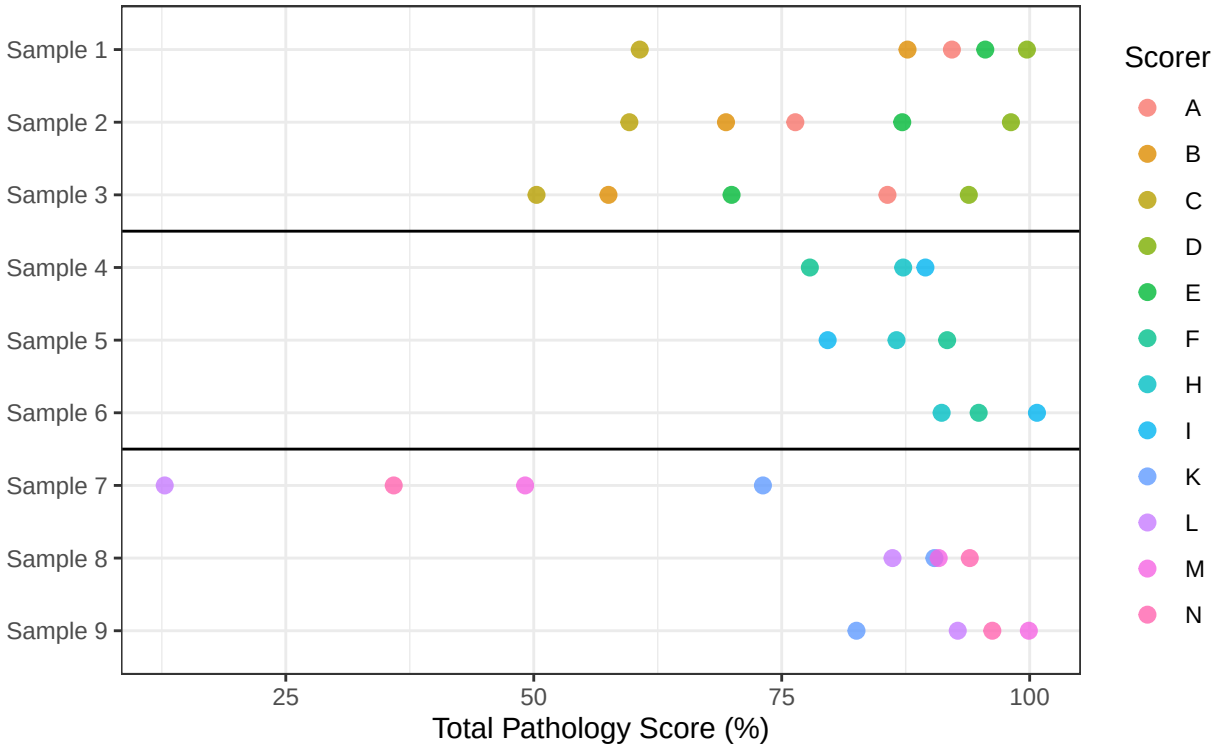

Sample 1
Sample 2
Sample 3
Sample 4
Sample 5
Sample 6
Sample 7
Sample 8
Sample 9
0
20
40
60
Domain specific score (%) − Abnormal Tubular Luminal Morphology
Scorer
A
B
C
D
E
F
H
I
K
L
M
N

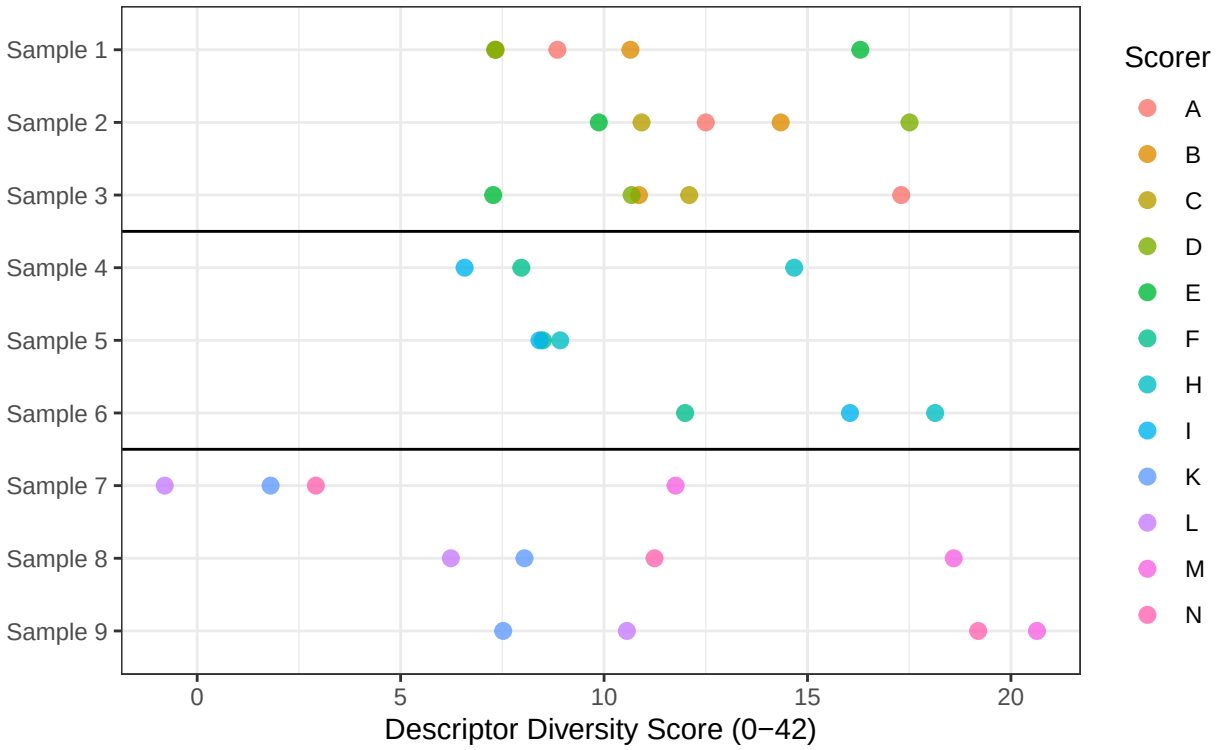

Sample 1
Sample 2
Sample 3
Sample 4
Sample 5
Sample 6
Sample 7
Sample 8
Sample 9
0
20
40
60
Domain specific score (%) − Intratubular Casts
Scorer
A
B
C
D
E
F
H
I
K
L
M
N


Sample 1
Sample 2
Sample 3
Sample 4
Sample 5
Sample 6
Sample 7
Sample 8
Sample 9
0
20
40
60
Domain specific score (%) − Tubular Basement Membrane Morphology
Scorer
A
B
C
D
E
F
H
I
K
L
M
N


Sample 1
Sample 2
Sample 3
Sample 4
Sample 5
Sample 6
Sample 7
Sample 8
Sample 9
0
25
50
75
100
Domain specific score (%) − Extracellular matrix
Scorer
A
B
C
D
E
F
H
I
K
L
M
N


Sample 1
Sample 2
Sample 3
Sample 4
Sample 5
Sample 6
Sample 7
Sample 8
Sample 9
0
25
50
75
100
Domain specific score (%) − Inflammation
Scorer
A
B
C
D
E
F
H
I
K
L
M
N


Sample 1
Sample 2
Sample 3
Sample 4
Sample 5
Sample 6
Sample 7
Sample 8
Sample 9
25
50
75
100
Total Pathology Score (%)
Scorer
A
B
C
D
E
F
H
I
K
L
M
N


Sample 1
Sample 2
Sample 3
Sample 4
Sample 5
Sample 6
Sample 7
Sample 8
Sample 9
0
5
10
15
20
Descriptor Diversity Score (0−42)
Scorer
A
B
C
D
E
F
H
I
K
L
M
N