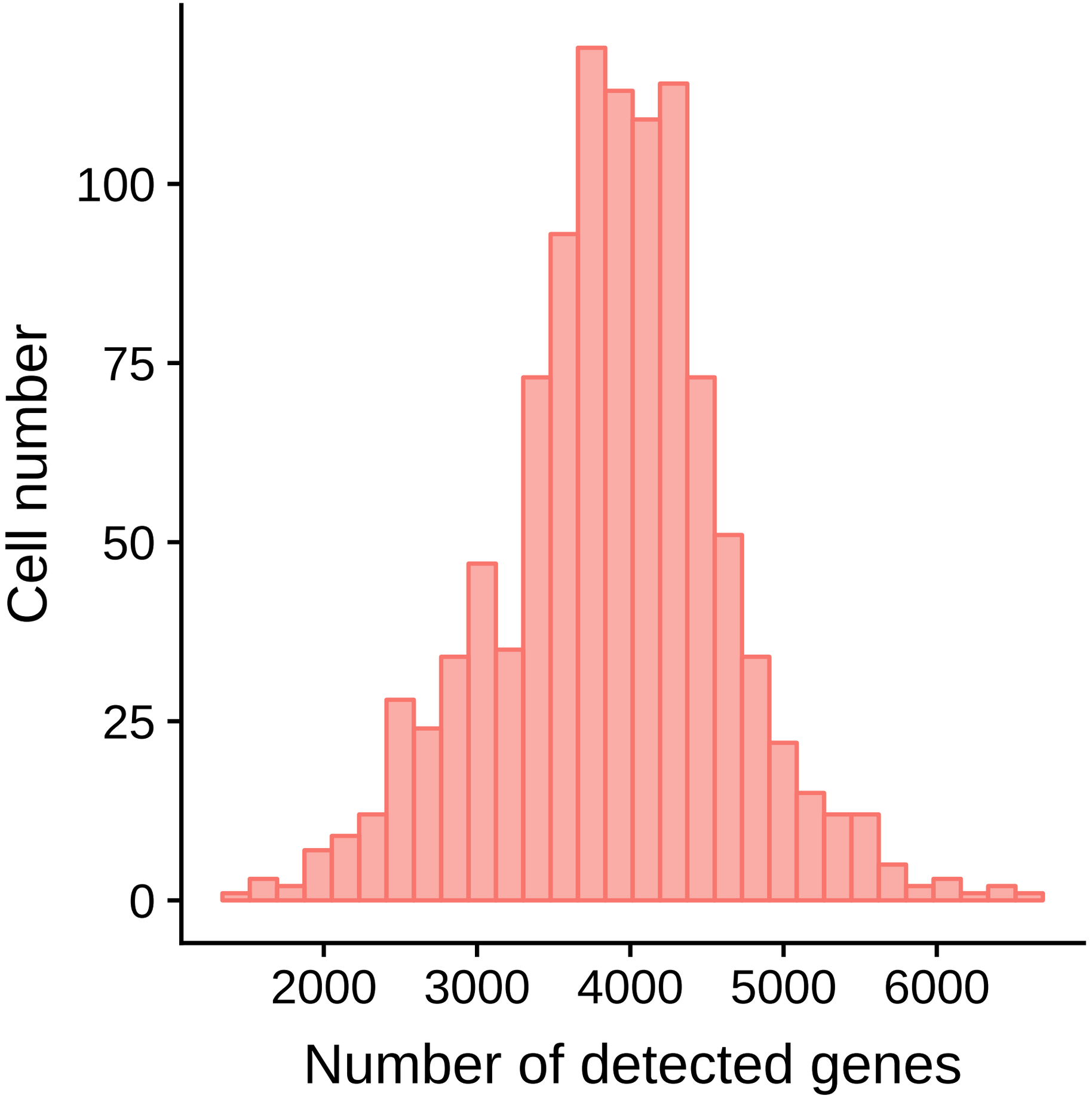
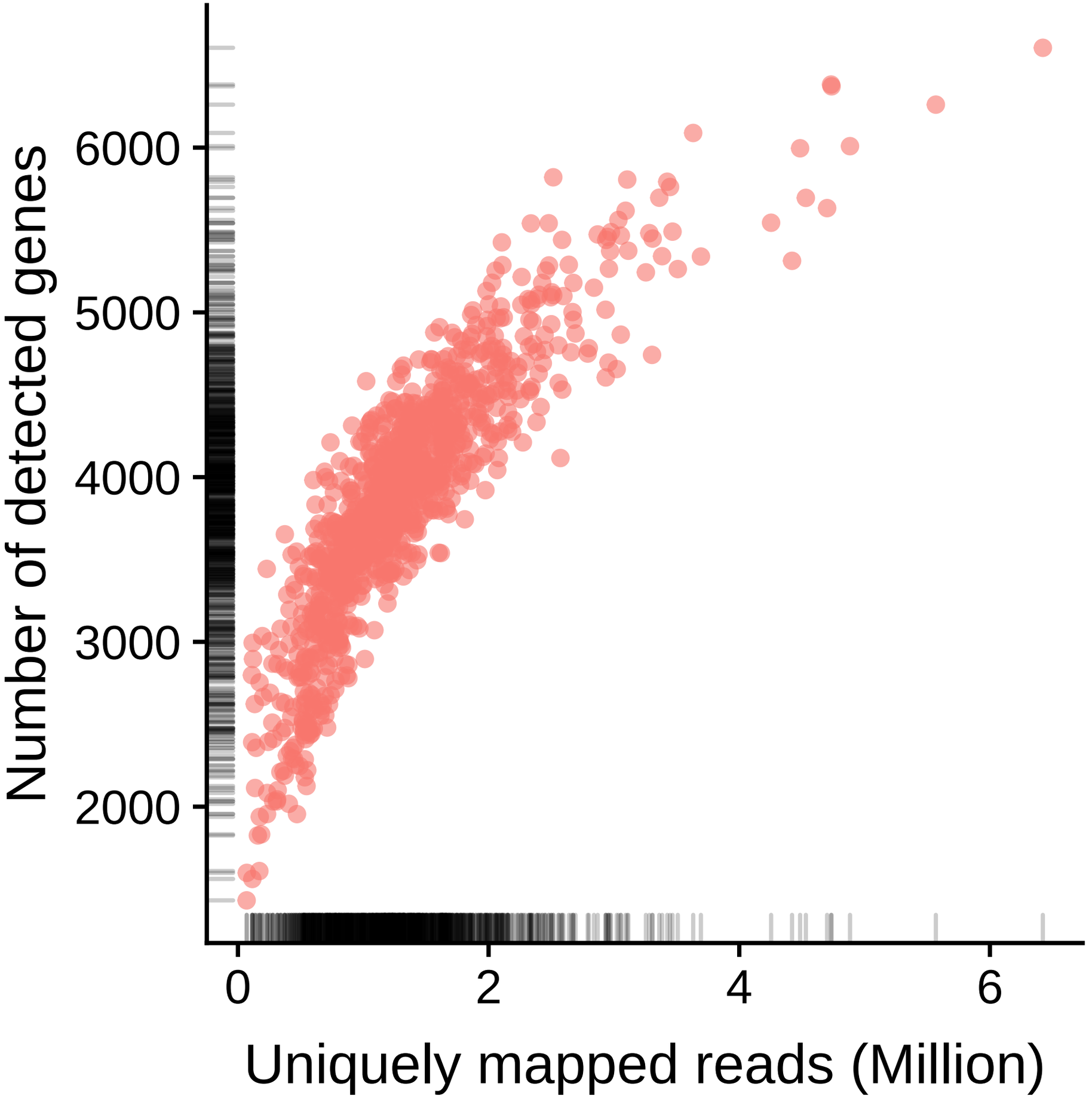
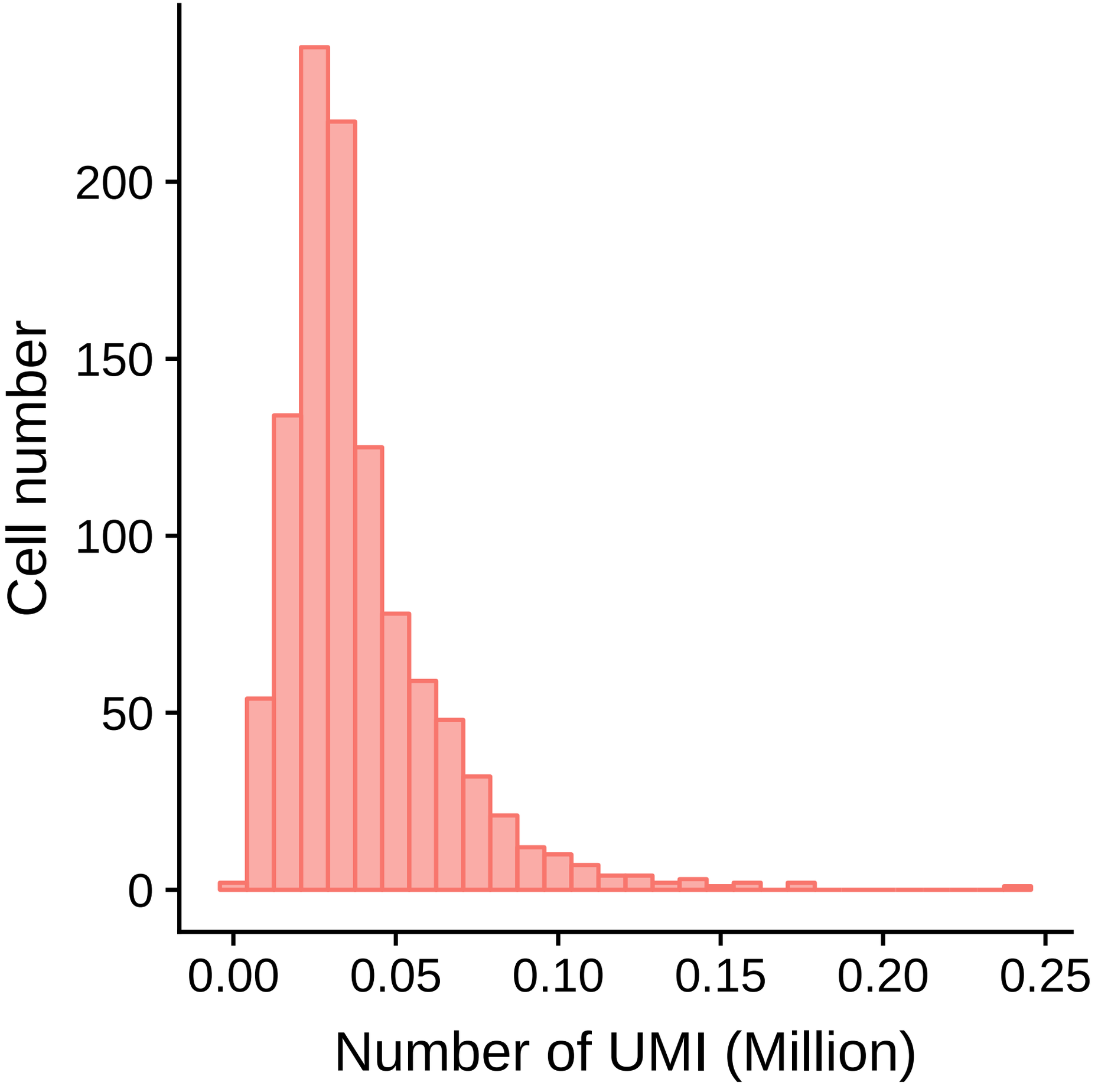
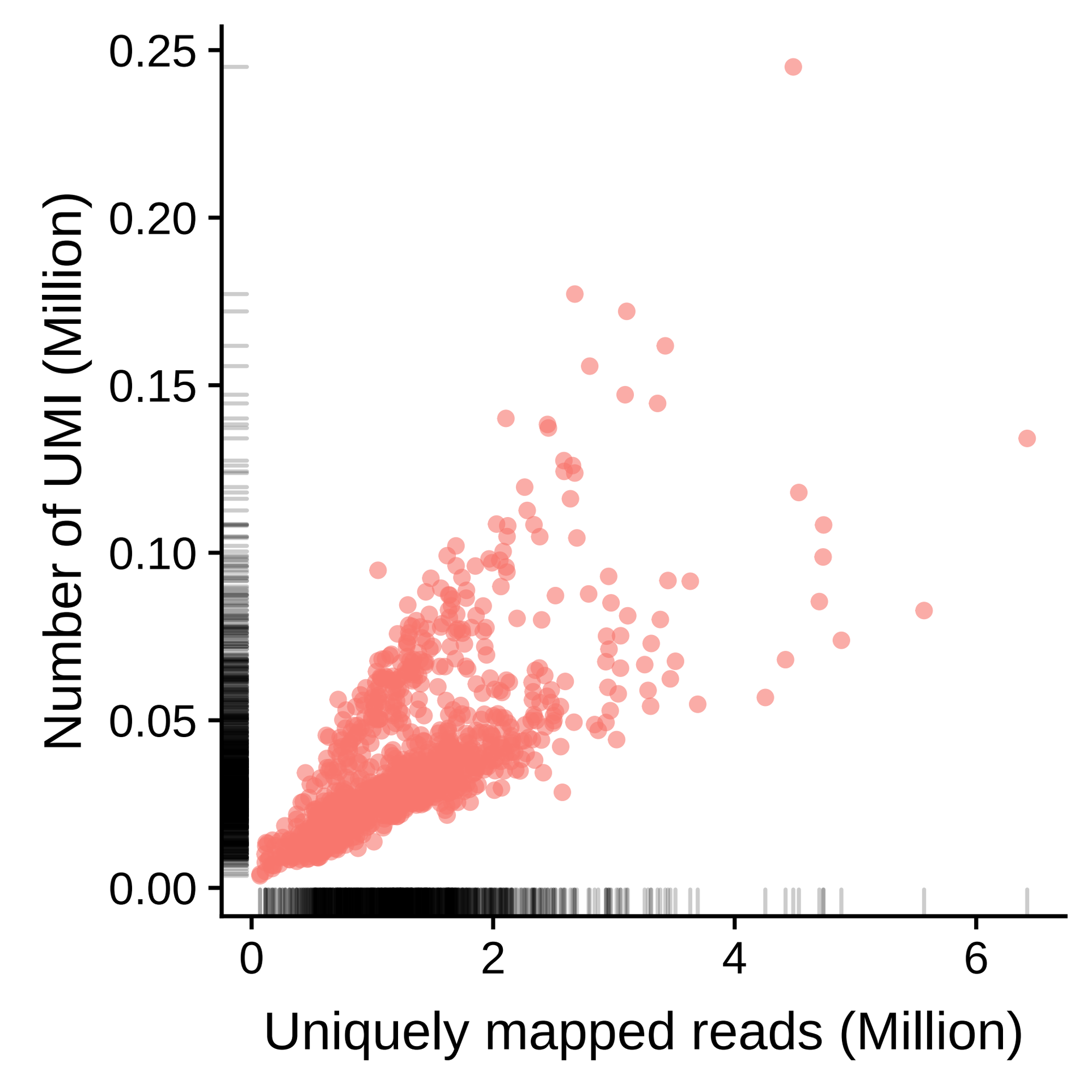
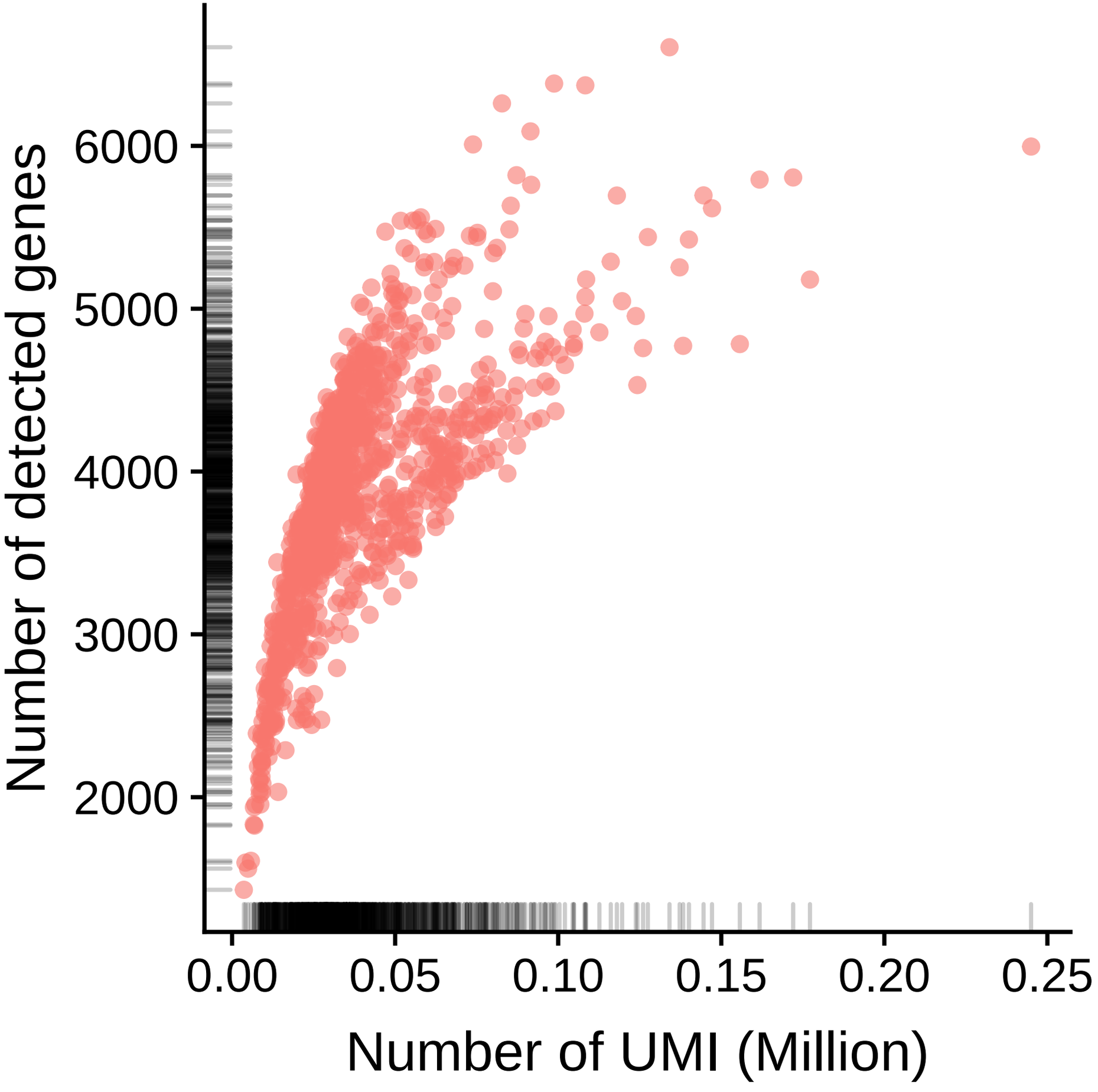
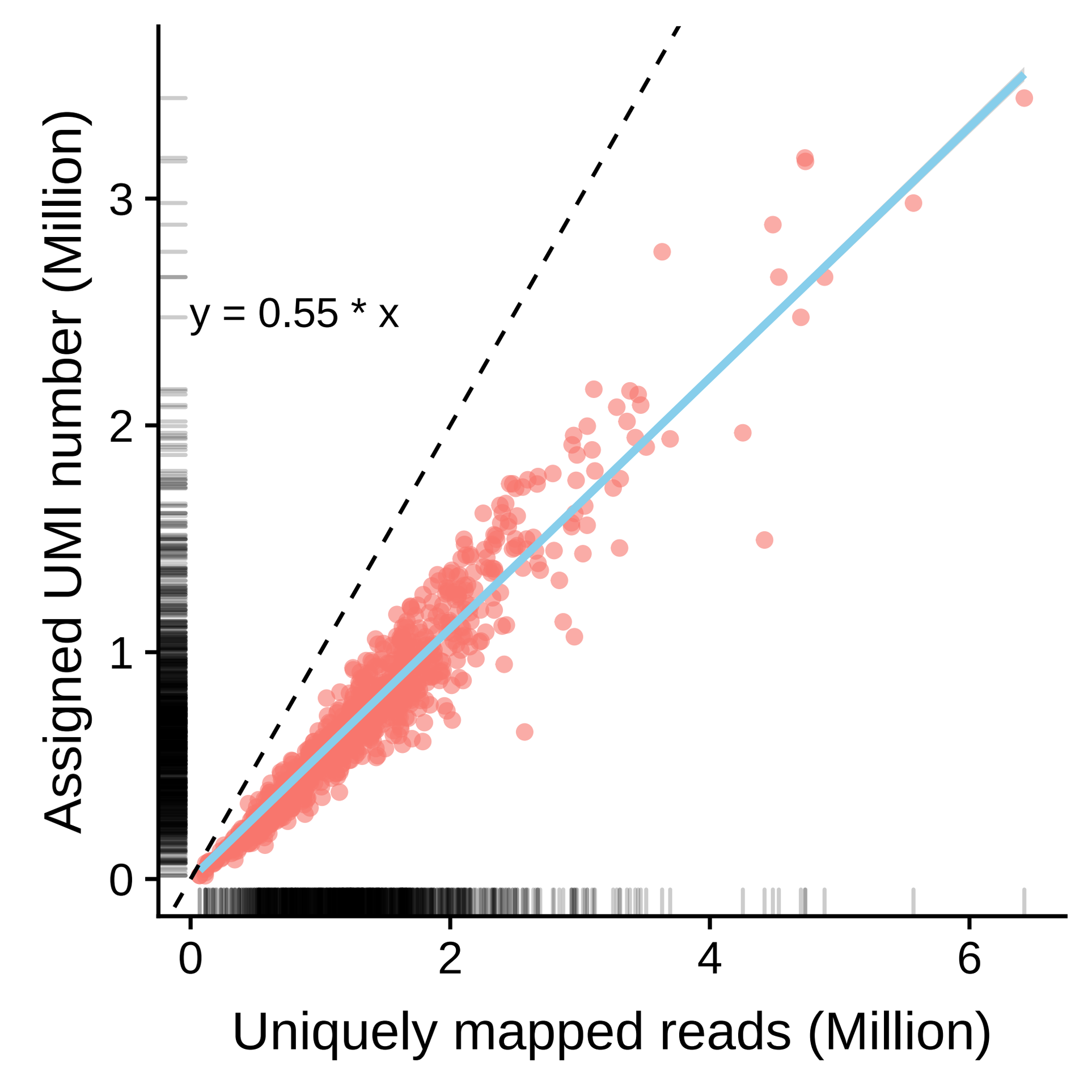

Cell number
100
75
50
25
0
2000
3000
4000
5000
6000
Number of detected genes

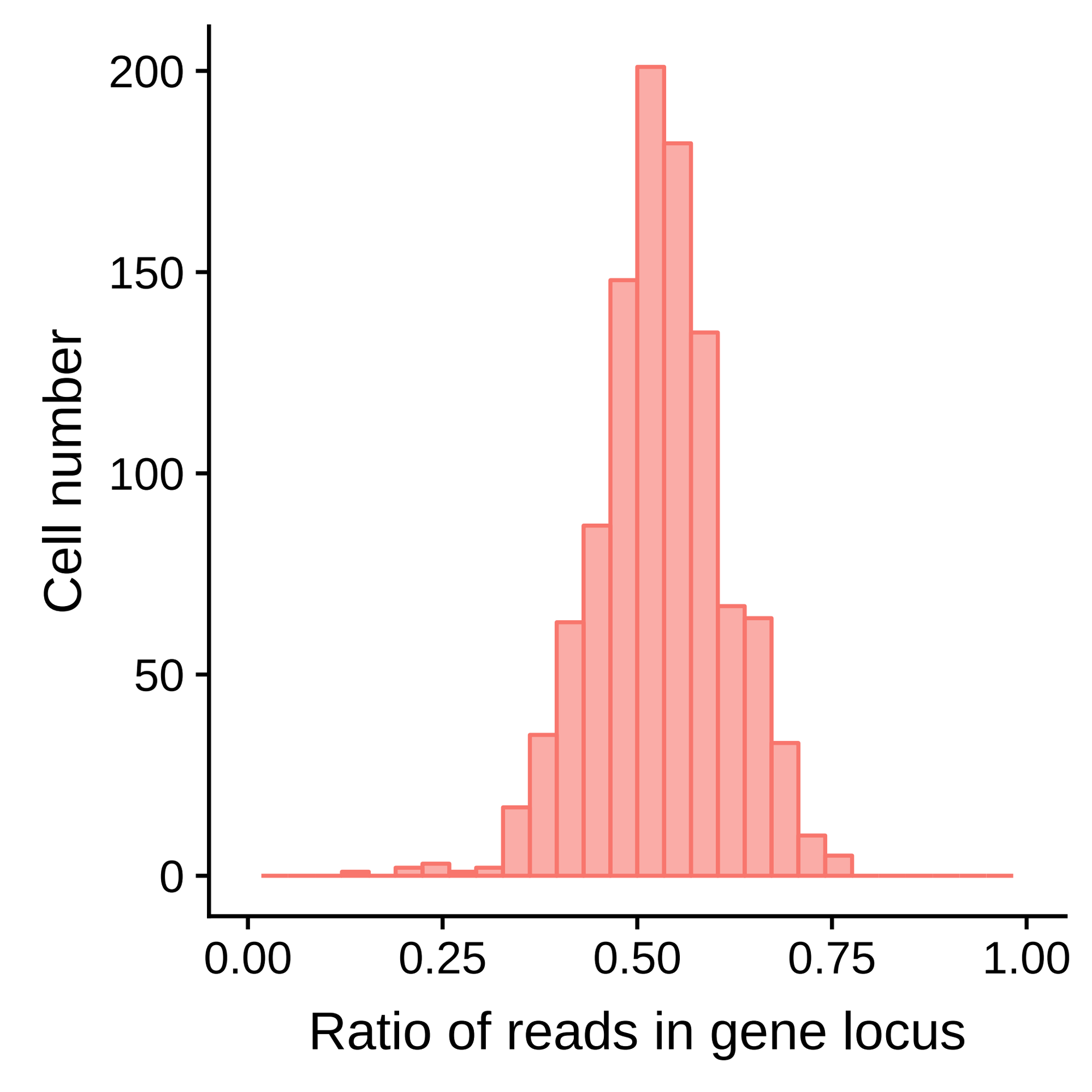

Number of detected genes
6000
5000
4000
3000
2000
0
2
4
6
Uniquely mapped reads (Million)

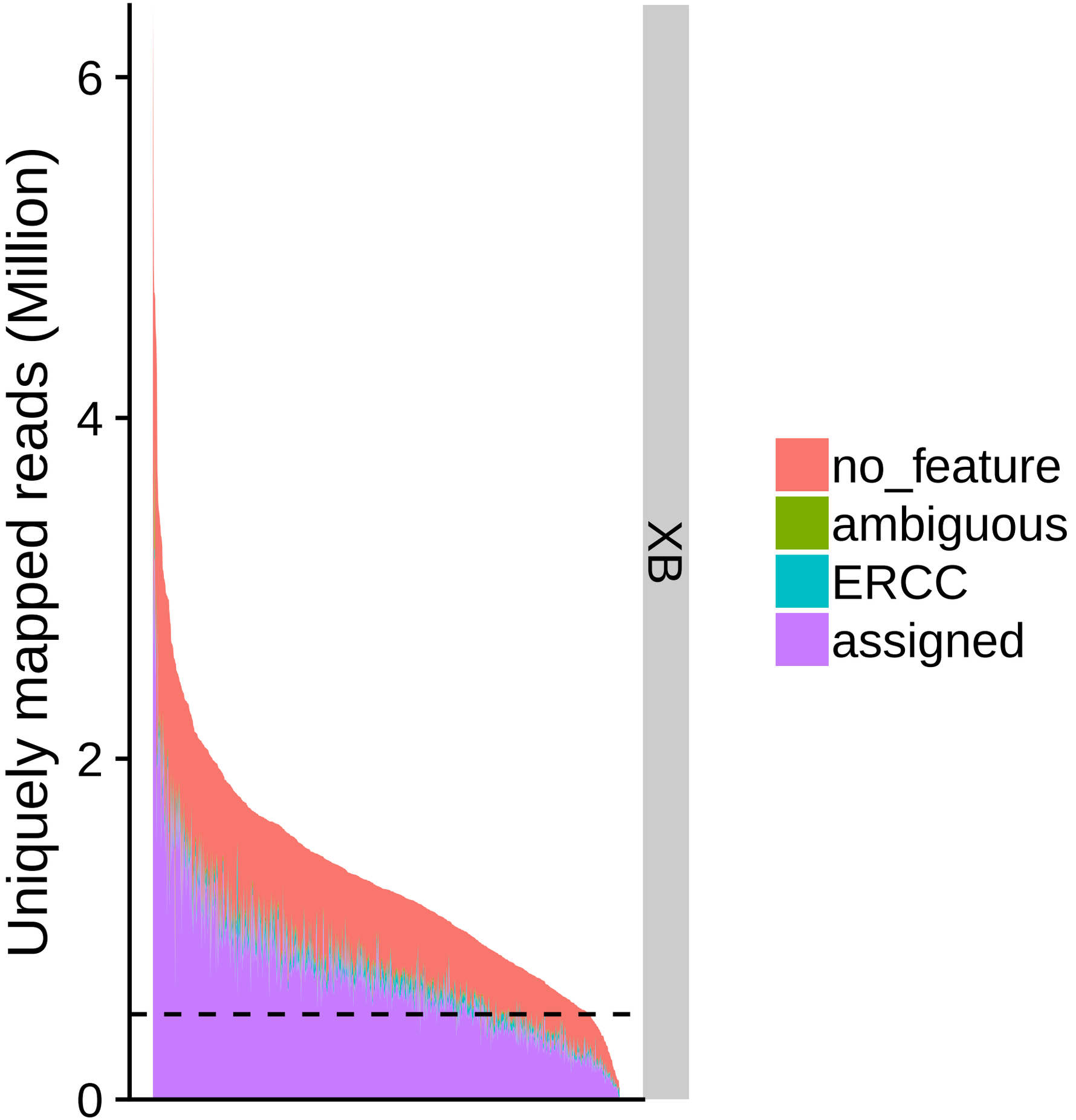

Cell number
200
150
100
50
0
0.00
0.05
0.10
0.15
0.20
0.25
Number of UMI (Million)

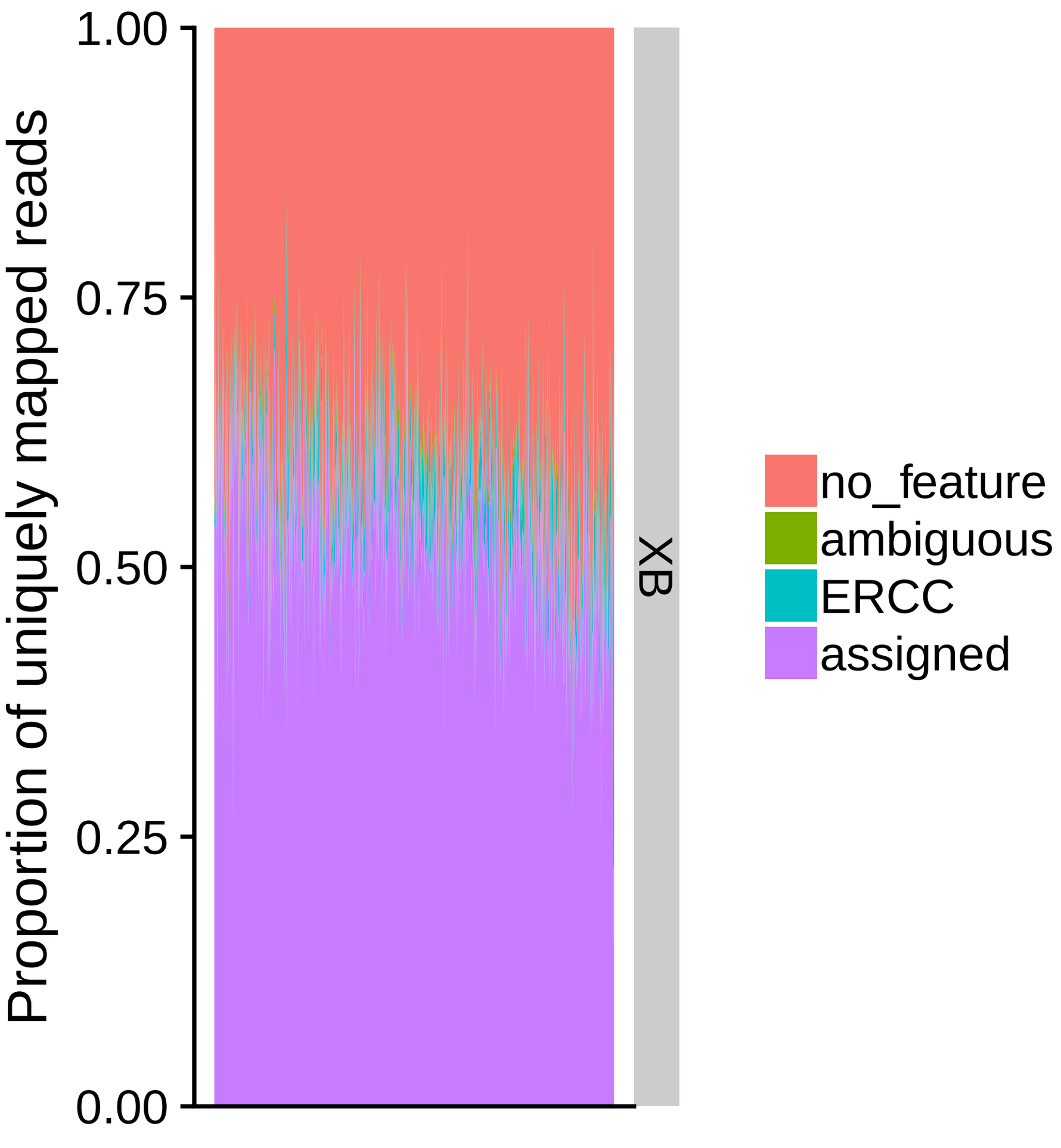

0.25
0.20
0.15
0.10
0.05
0.00
Number of UMI (Million)
0
2
4
6
Uniquely mapped reads (Million)

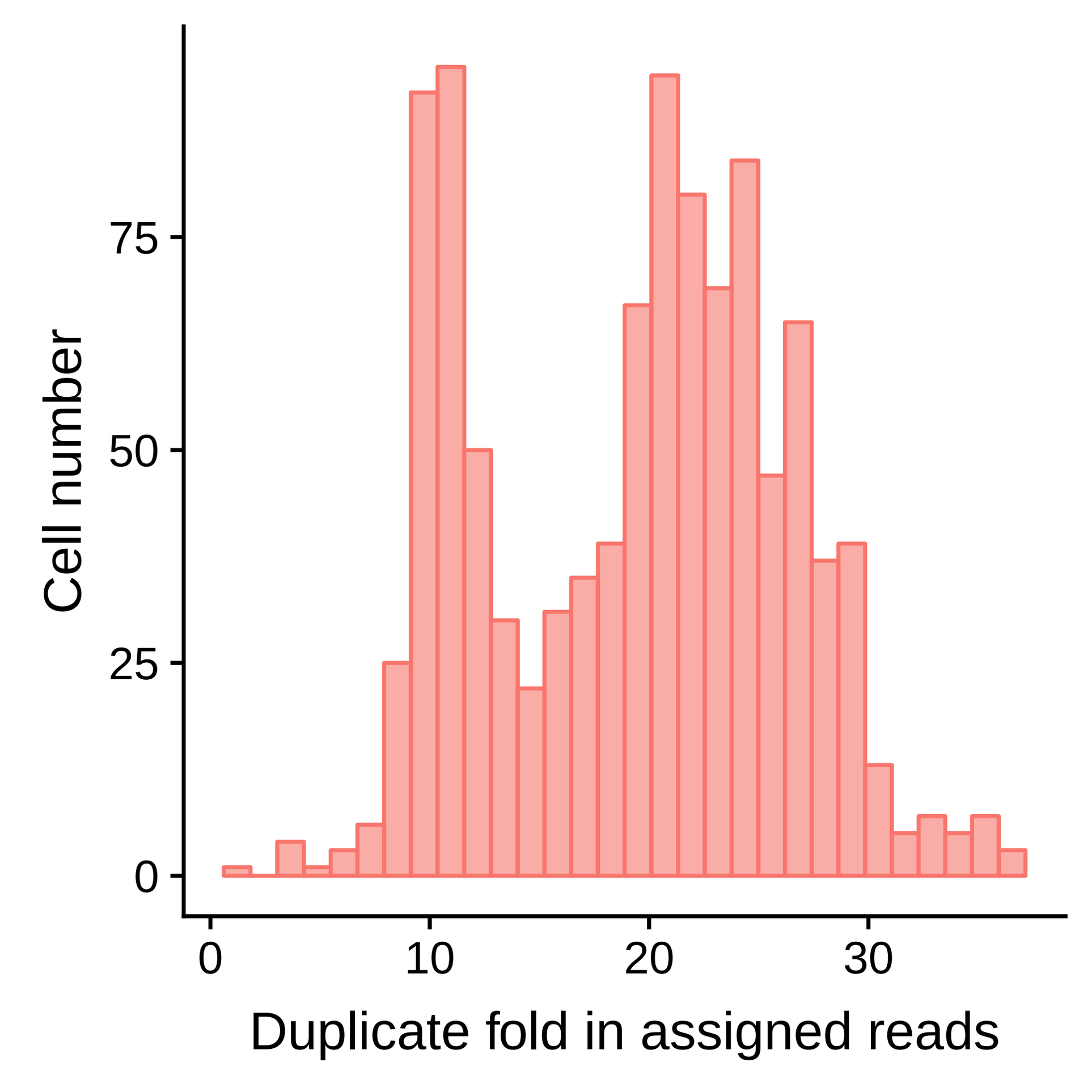

Number of detected genes
6000
5000
4000
3000
2000
0.00
0.05
0.10
0.15
0.20
0.25
Number of UMI (Million)

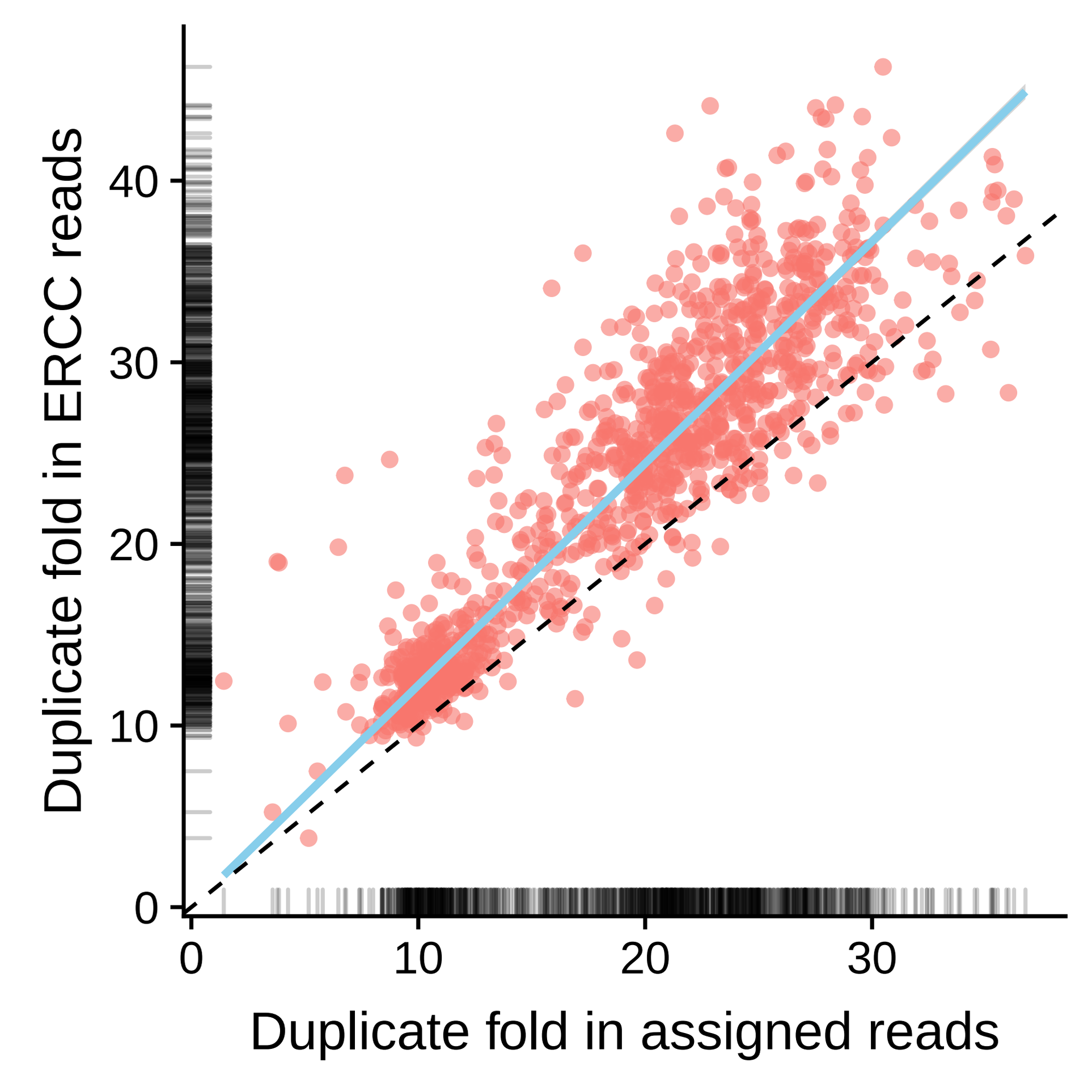

y = 0.55 * x
Assigned UMI number (Million)
Uniquely mapped reads (Million)
0
1
2
3
0
2
4
6

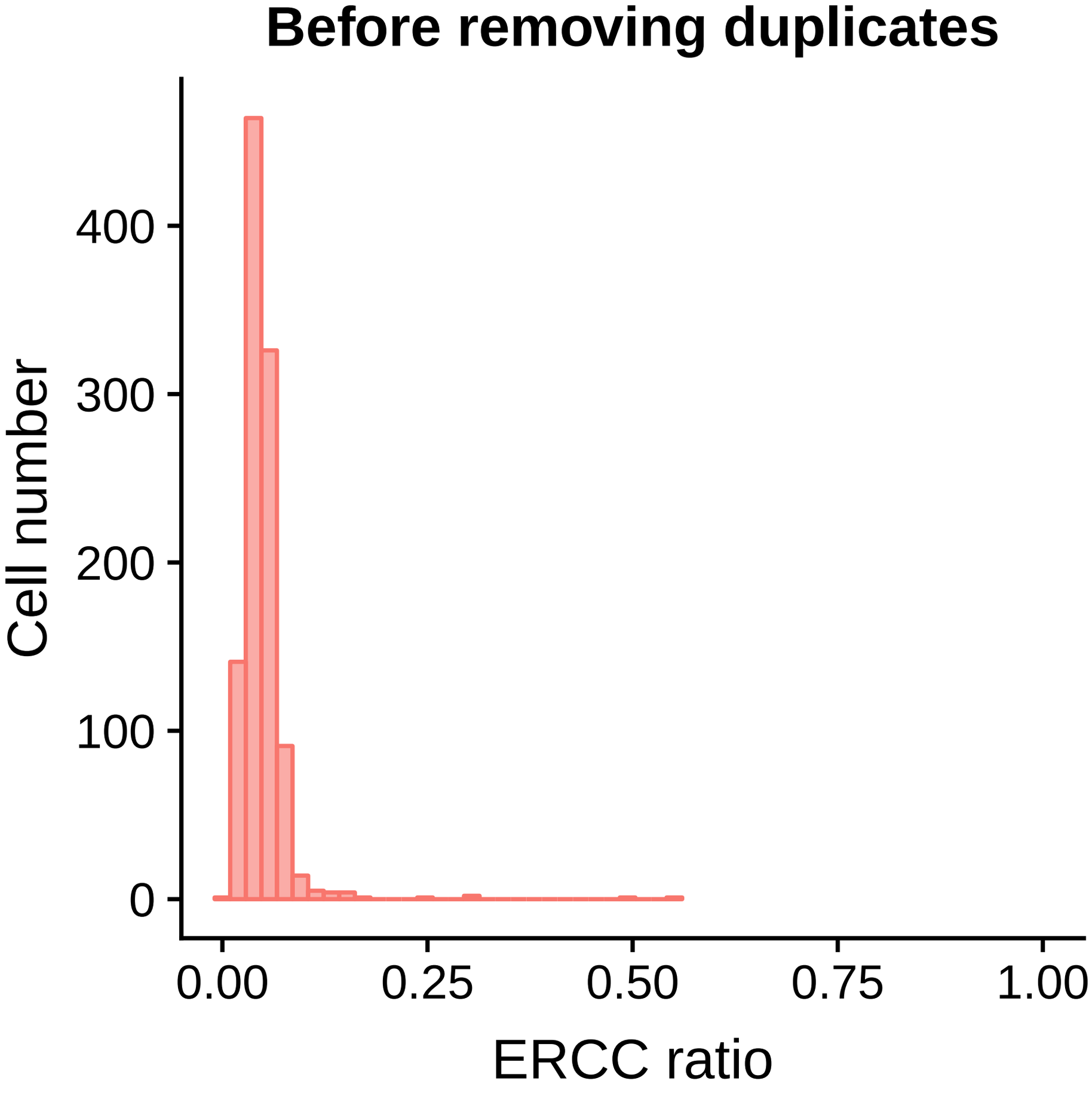

200
150
100
50
0
Cell number
0.00
0.25
0.50
0.75
1.00
Ratio of reads in gene locus

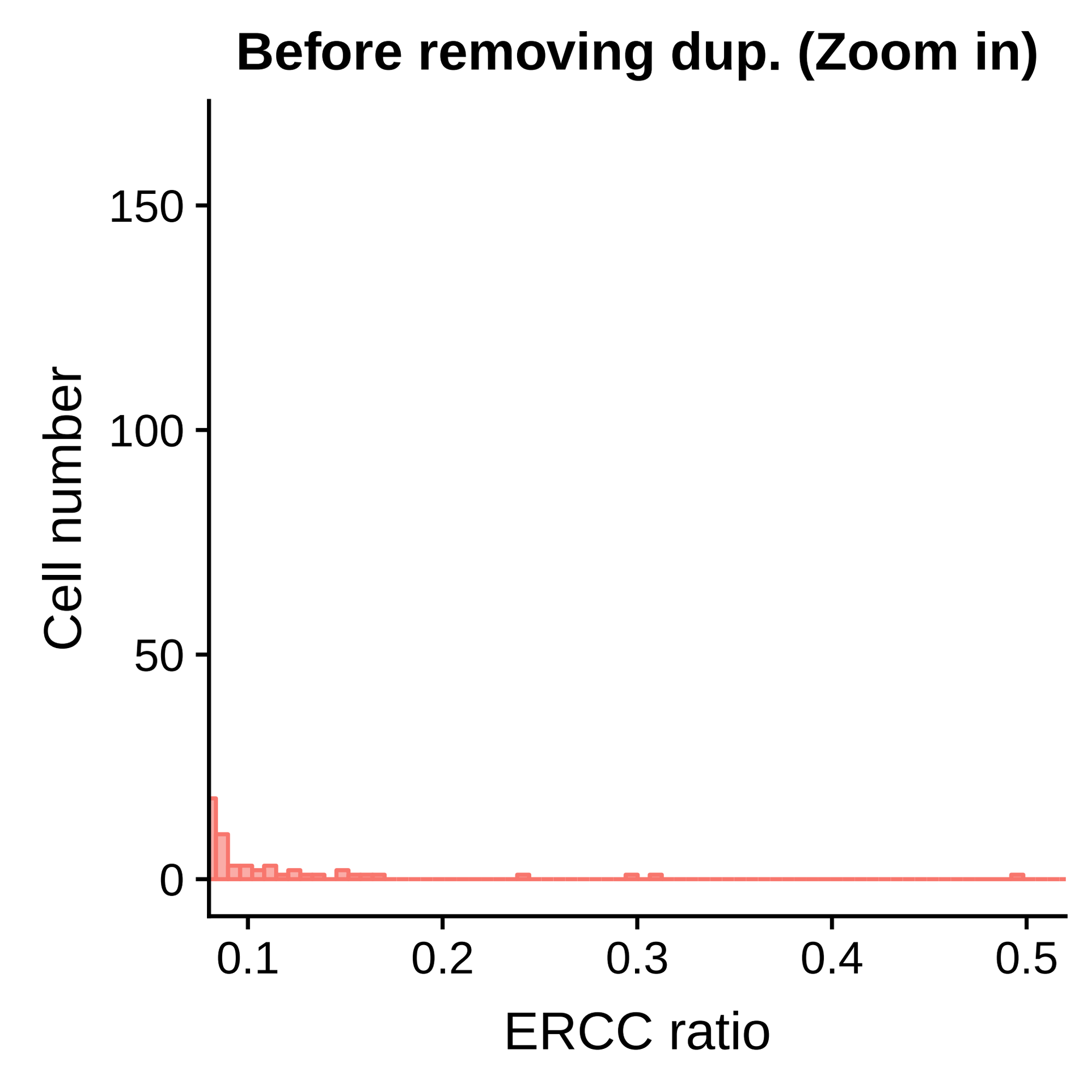

Uniquely mapped reads (Million)
6
4
2
0
XB
no_feature
ambiguous
ERCC
assigned

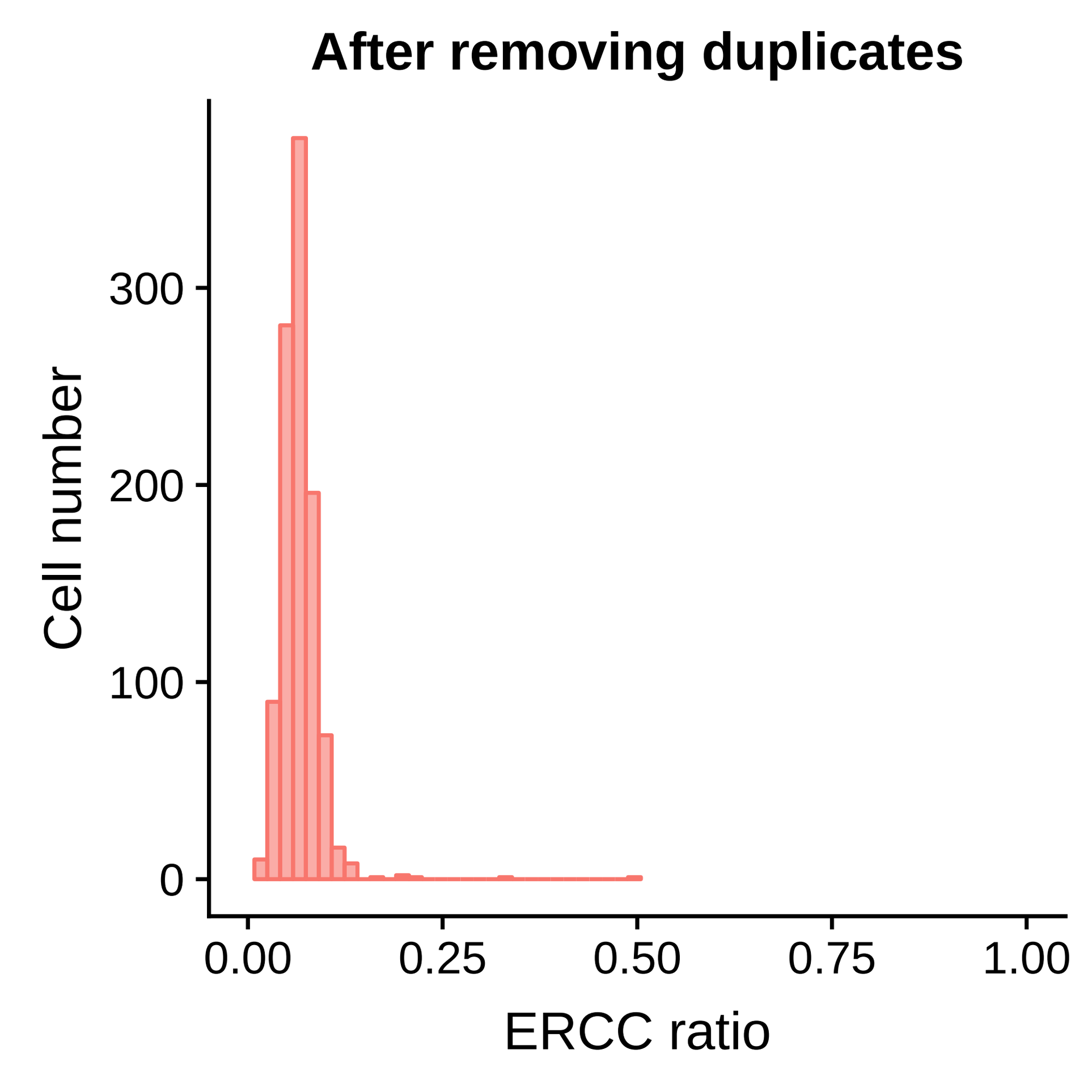

Proportion of uniquely mapped reads
1.00
0.75
0.50
0.25
0.00
XB
no_feature
ambiguous
ERCC
assigned

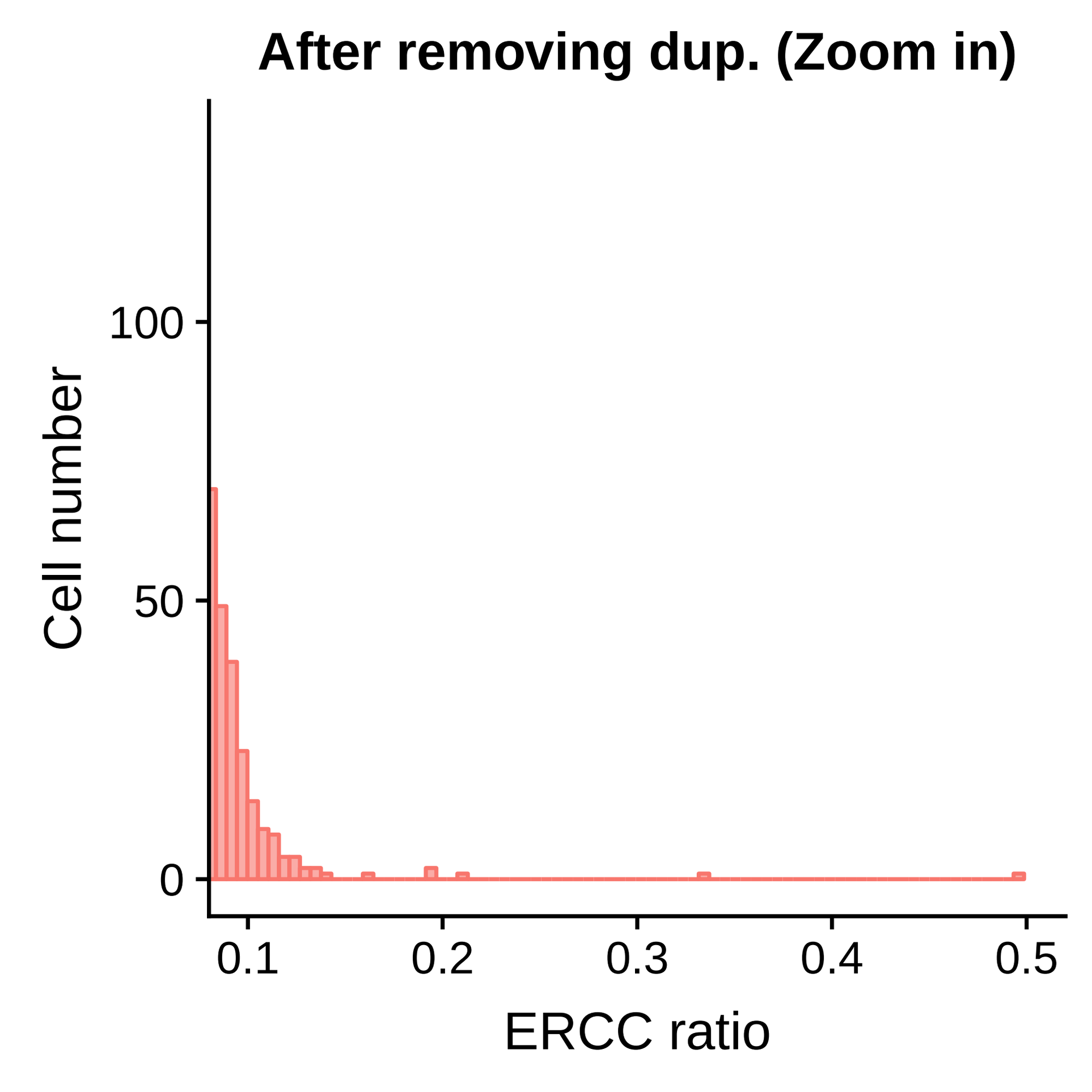

Cell number
75
50
25
0
0
10
20
30
Duplicate fold in assigned reads

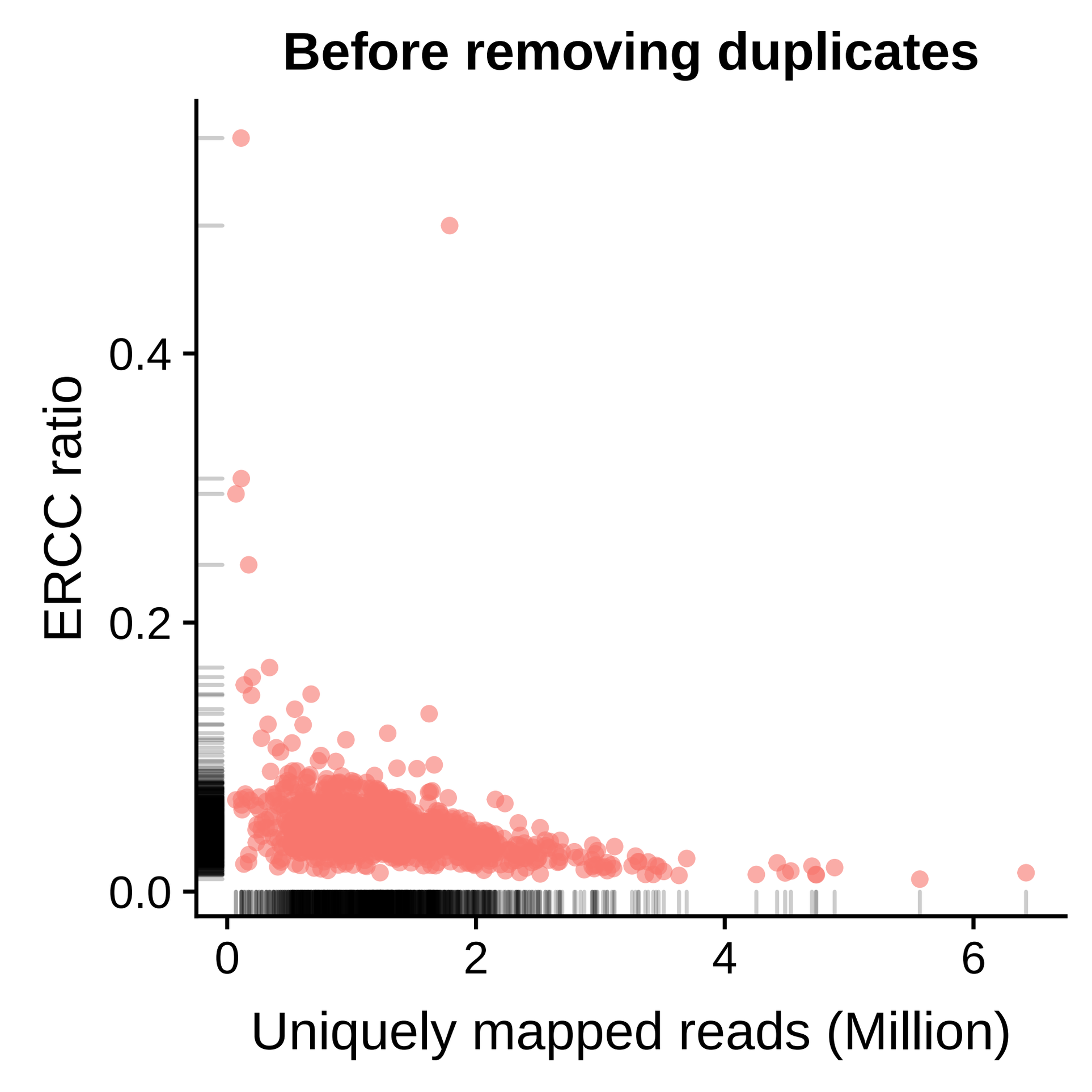

Duplicate fold in ERCC reads
0
10
20
30
40
0
10
20
30
Duplicate fold in assigned reads

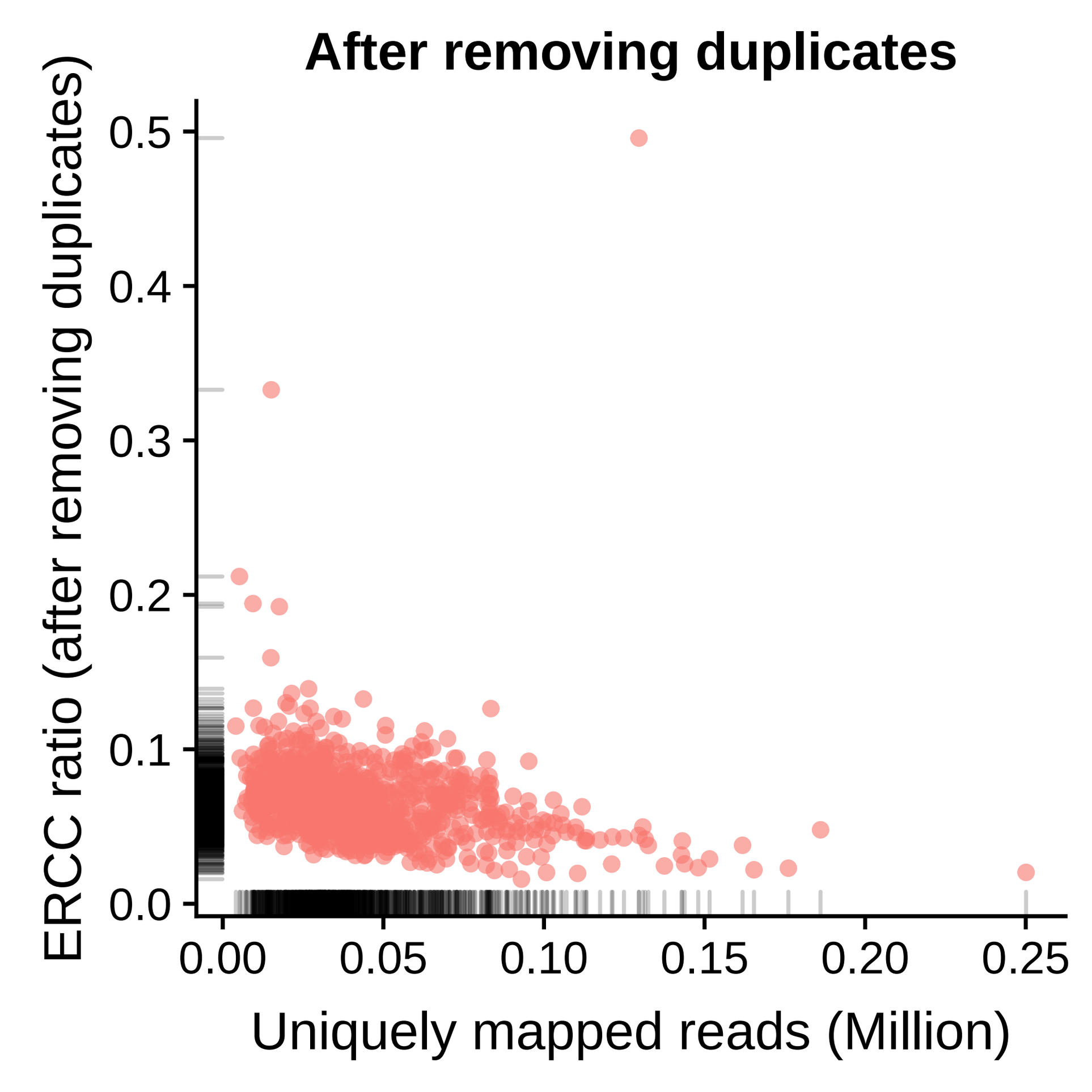

Before removing duplicates
Cell number
400
300
200
100
0
0.00
0.25
0.50
0.75
1.00
ERCC ratio

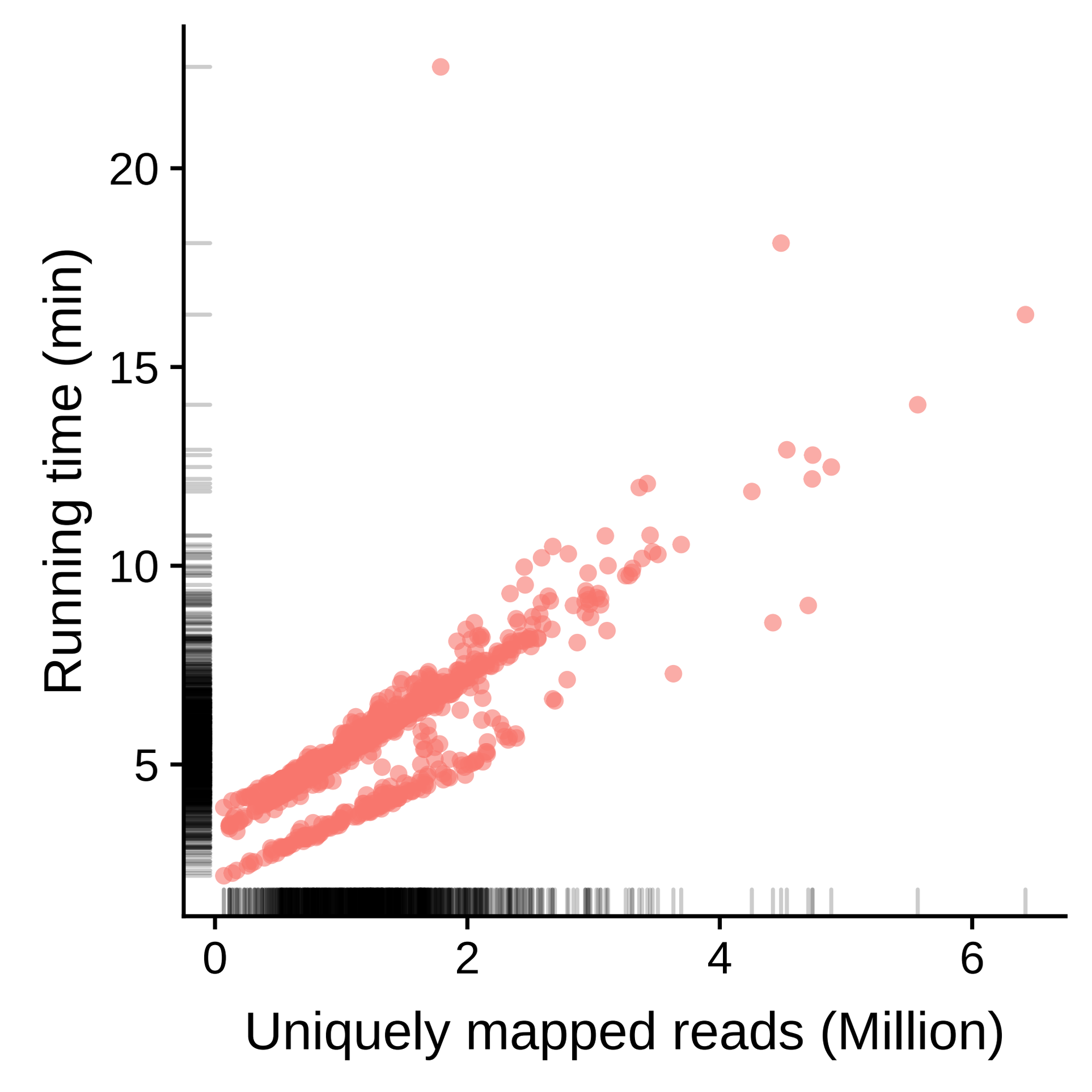

Before removing dup. (Zoom in)
Cell number
150
100
50
0
0.1
0.2
0.3
0.4
0.5
ERCC ratio


After removing duplicates
Cell number
300
200
100
0
0.00
0.25
0.50
0.75
1.00
ERCC ratio


After removing dup. (Zoom in)
Cell number
100
50
0
0.1
0.2
0.3
0.4
0.5
ERCC ratio


Before removing duplicates
ERCC ratio
0.0
0.2
0.4
0
2
4
6
Uniquely mapped reads (Million)


After removing duplicates
ERCC ratio (after removing duplicates)
0.5
0.4
0.3
0.2
0.1
0.0
0.00
0.05
0.10
0.15
0.20
0.25
Uniquely mapped reads (Million)


Running time (min)
20
15
10
5
0
2
4
6
Uniquely mapped reads (Million)