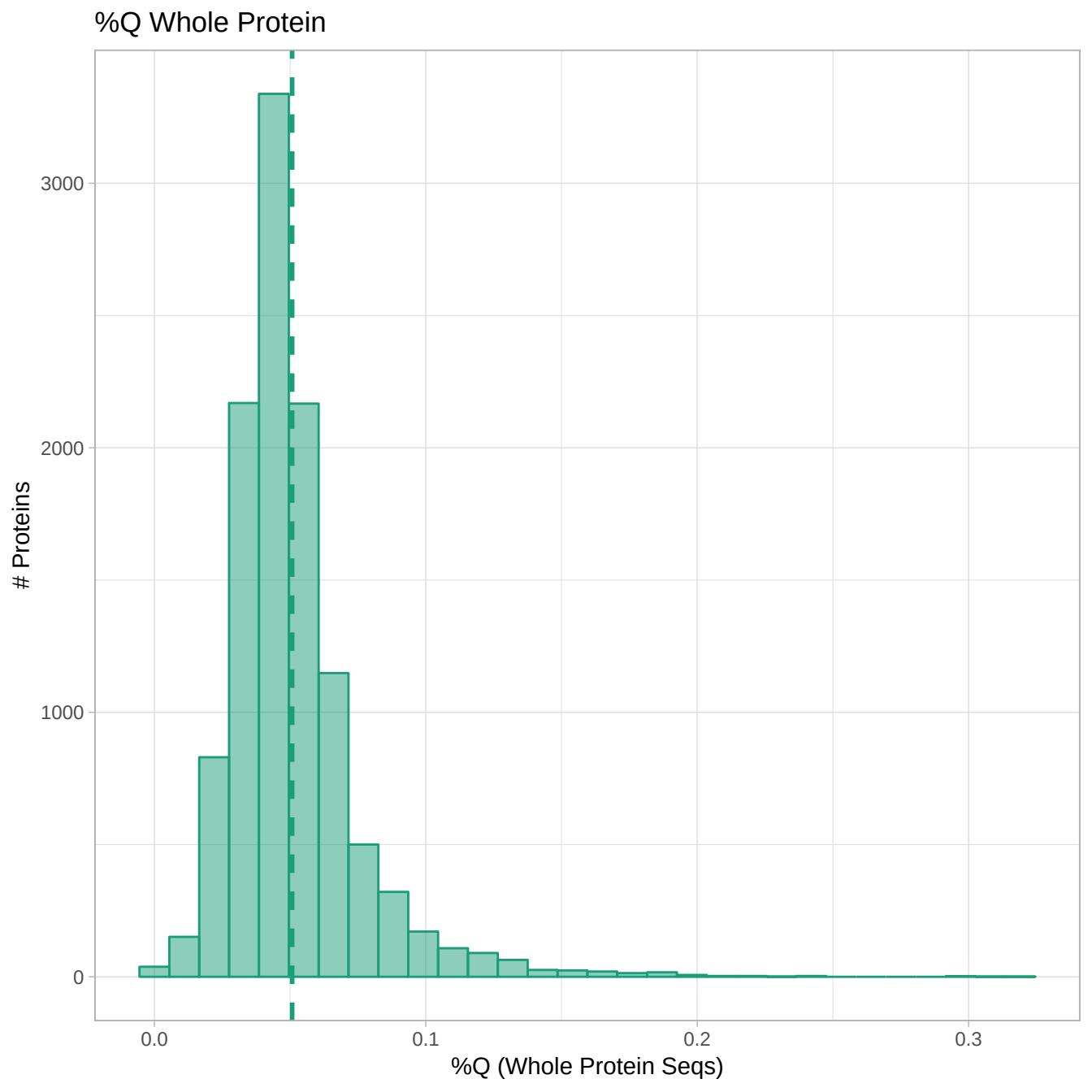
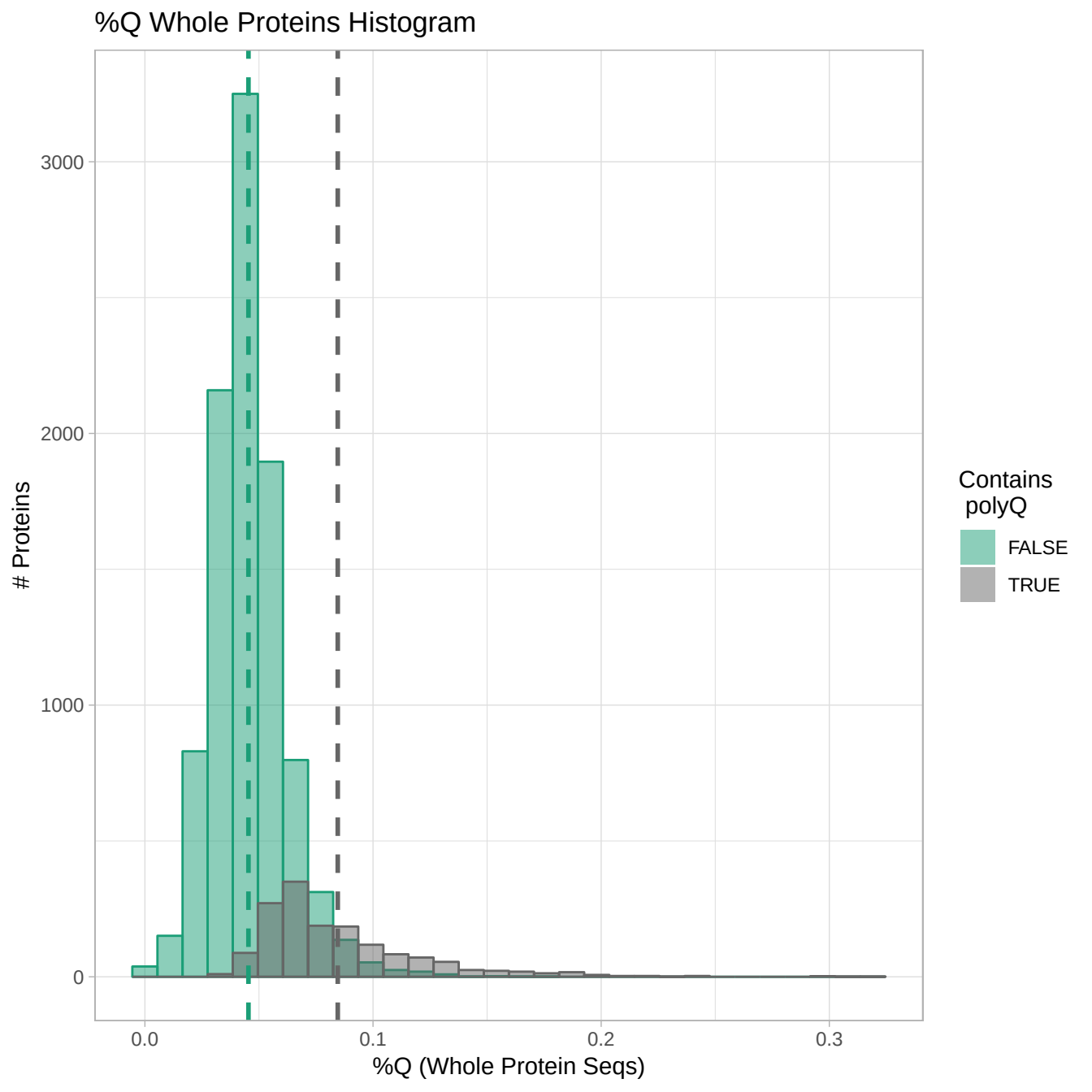
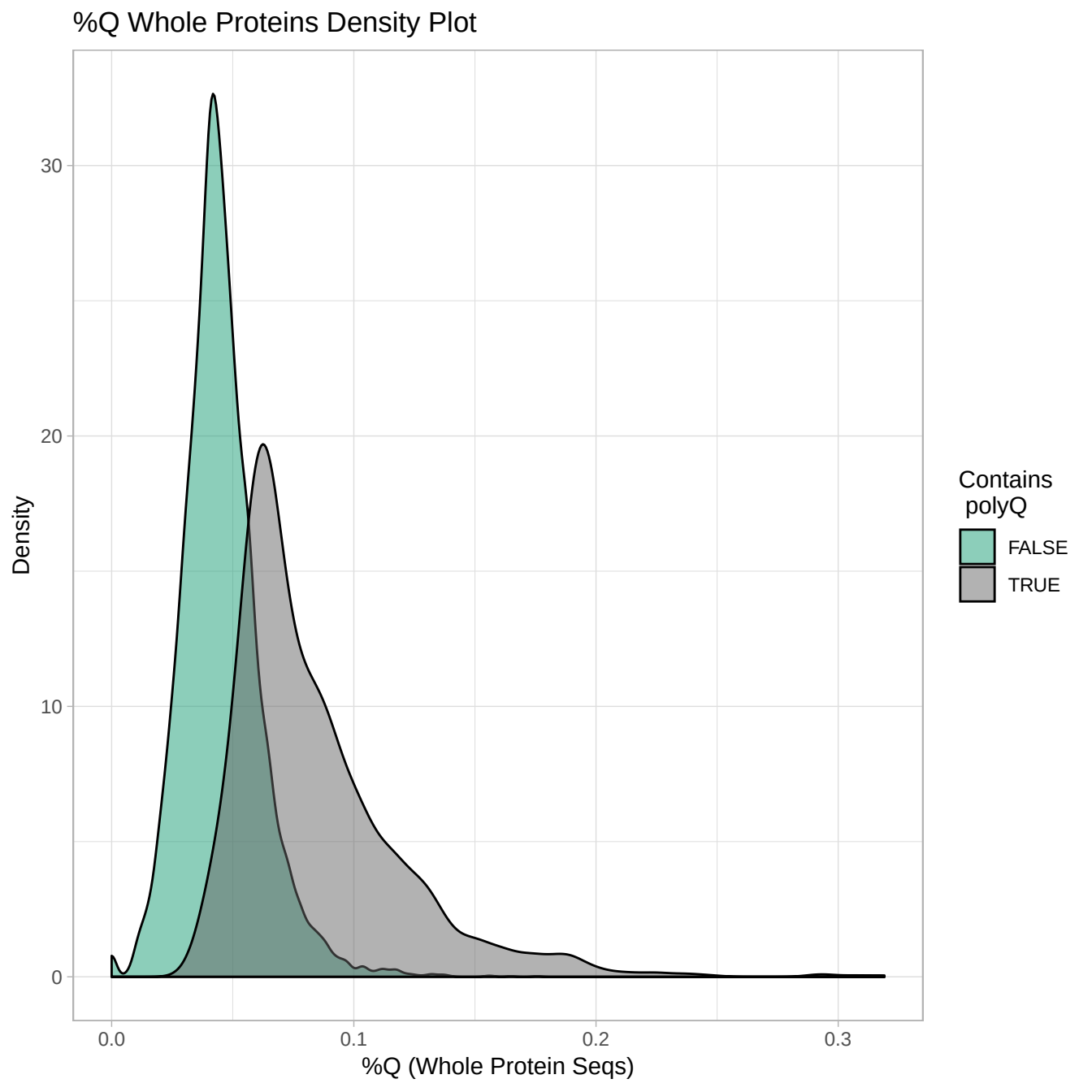
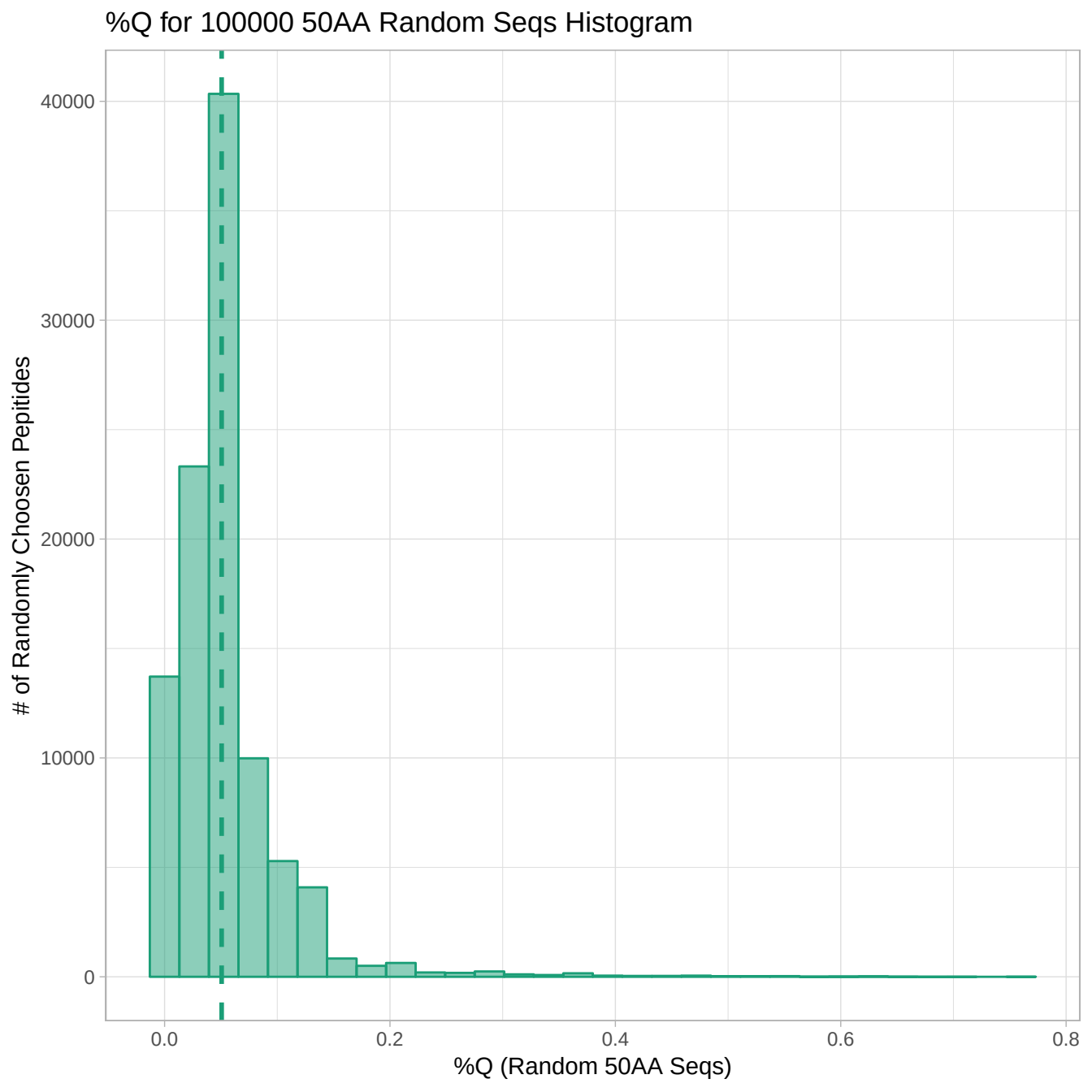
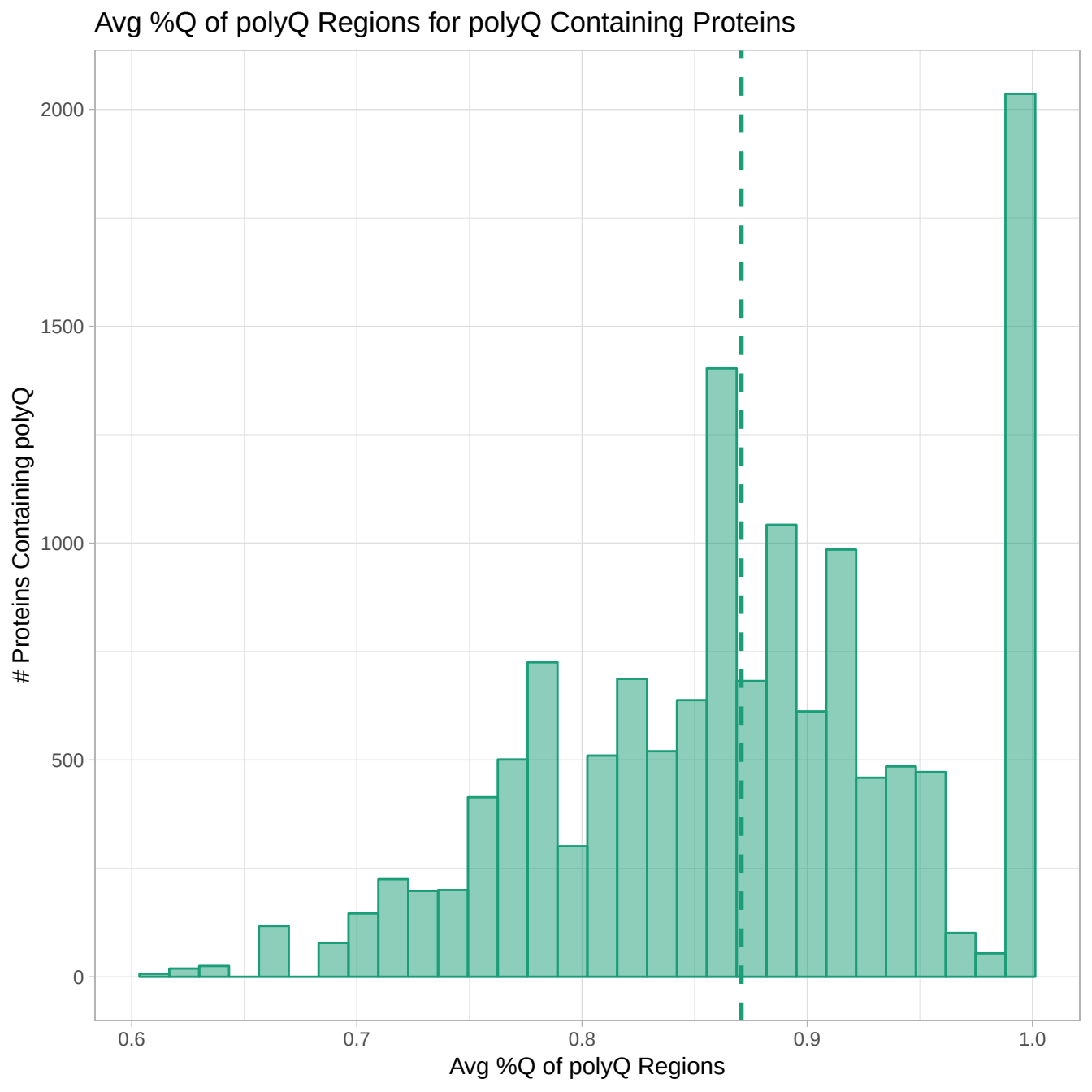
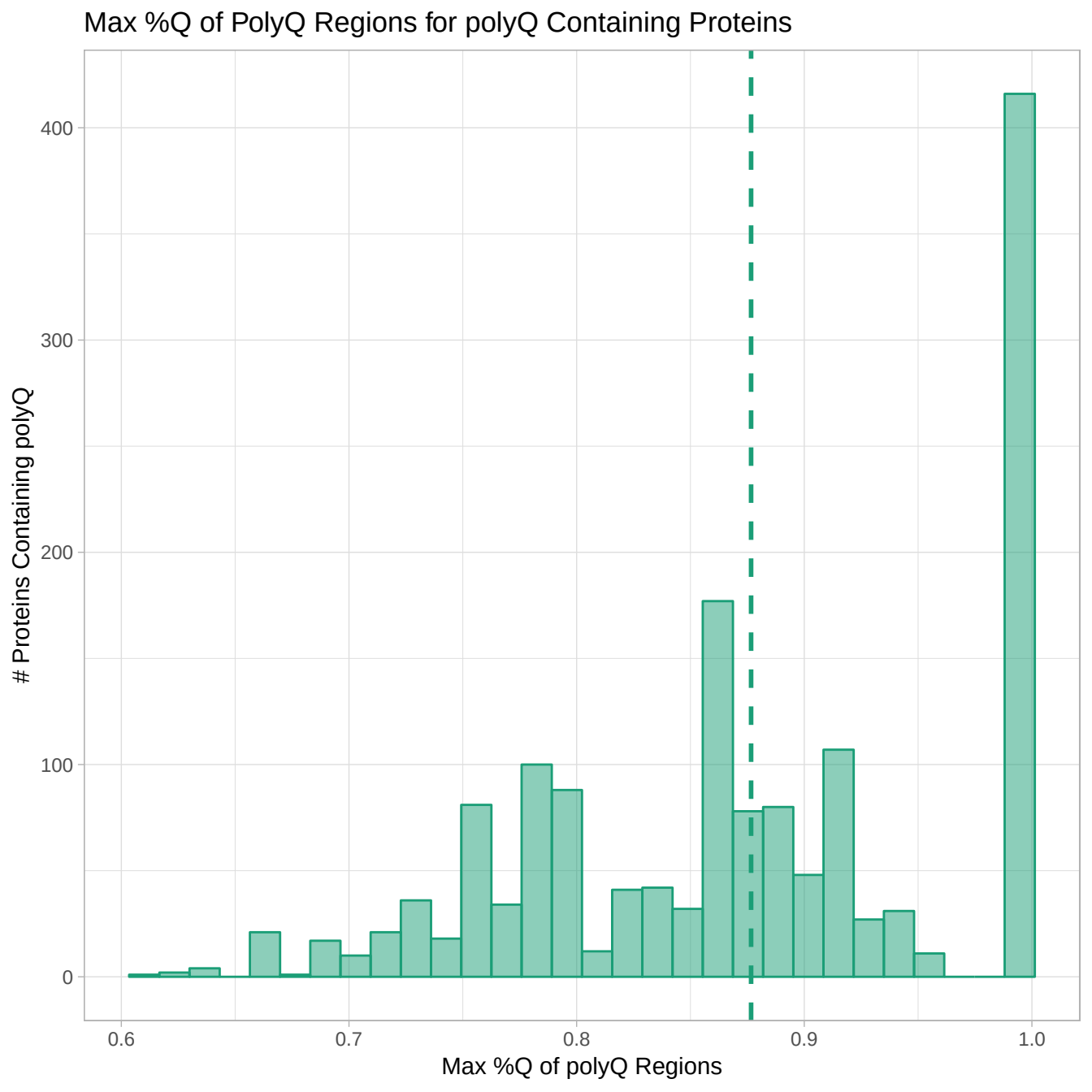

%Q Whole Protein
Proteins
3000
2000
1000
0
0.0
0.1
0.2
0.3
%Q (Whole Protein Seqs)

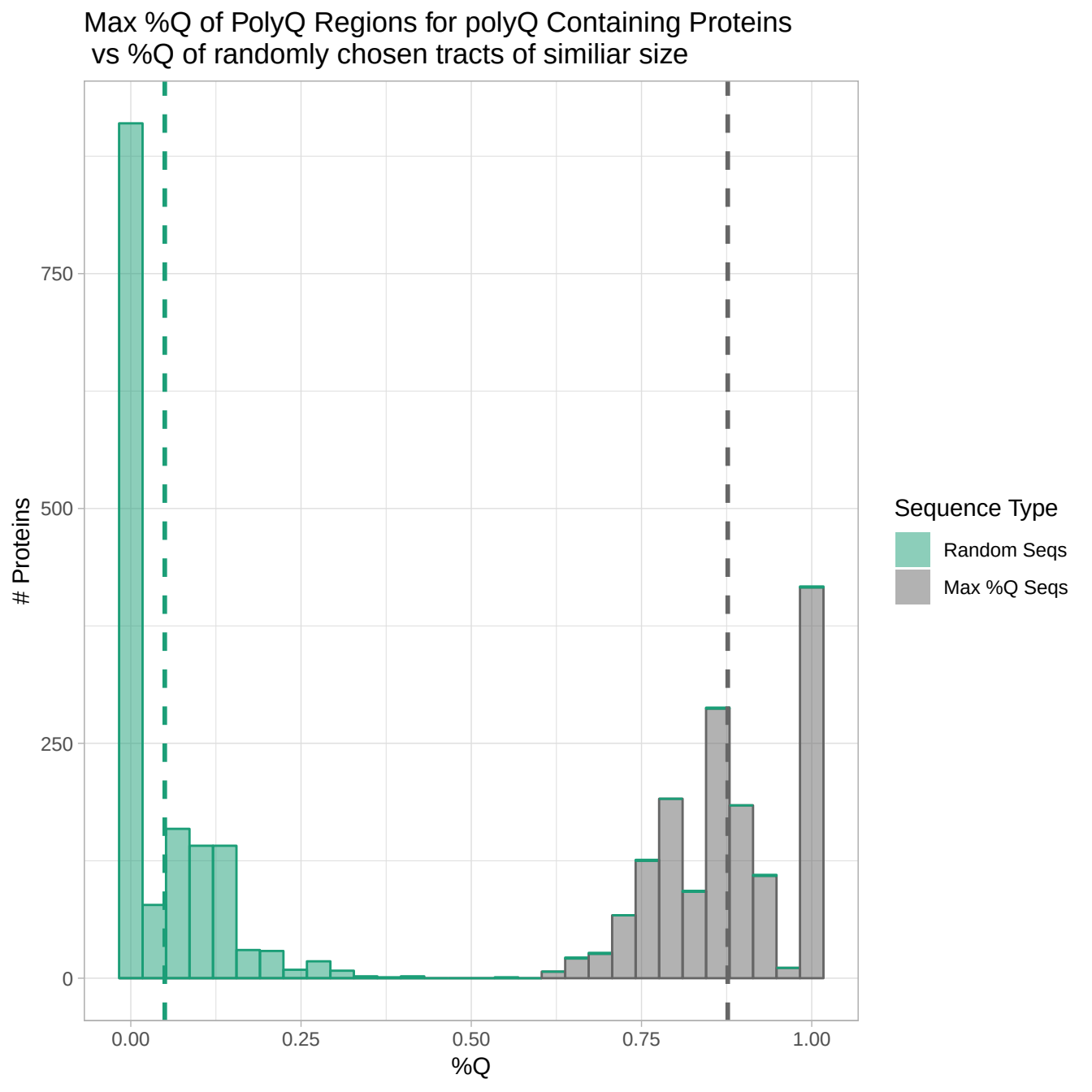

%Q Whole Proteins Histogram
3000
2000
1000
0
Proteins
0.0
0.1
0.2
0.3
%Q (Whole Protein Seqs)
Contains polyQ
FALSE
TRUE

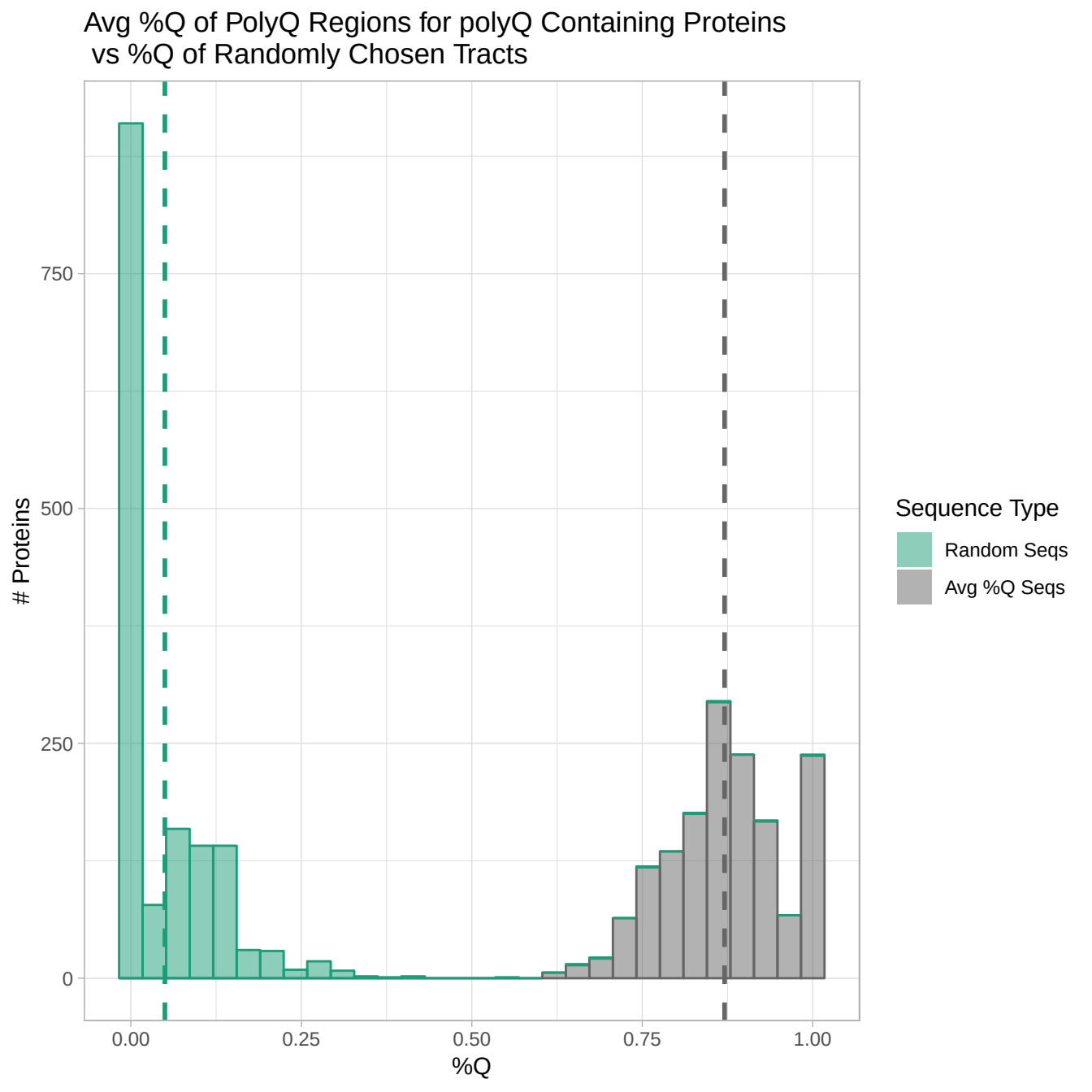

%Q Whole Proteins Density Plot
Density
30
20
10
0
0.0
0.1
0.2
0.3
%Q (Whole Protein Seqs)
Contains polyQ
FALSE
TRUE

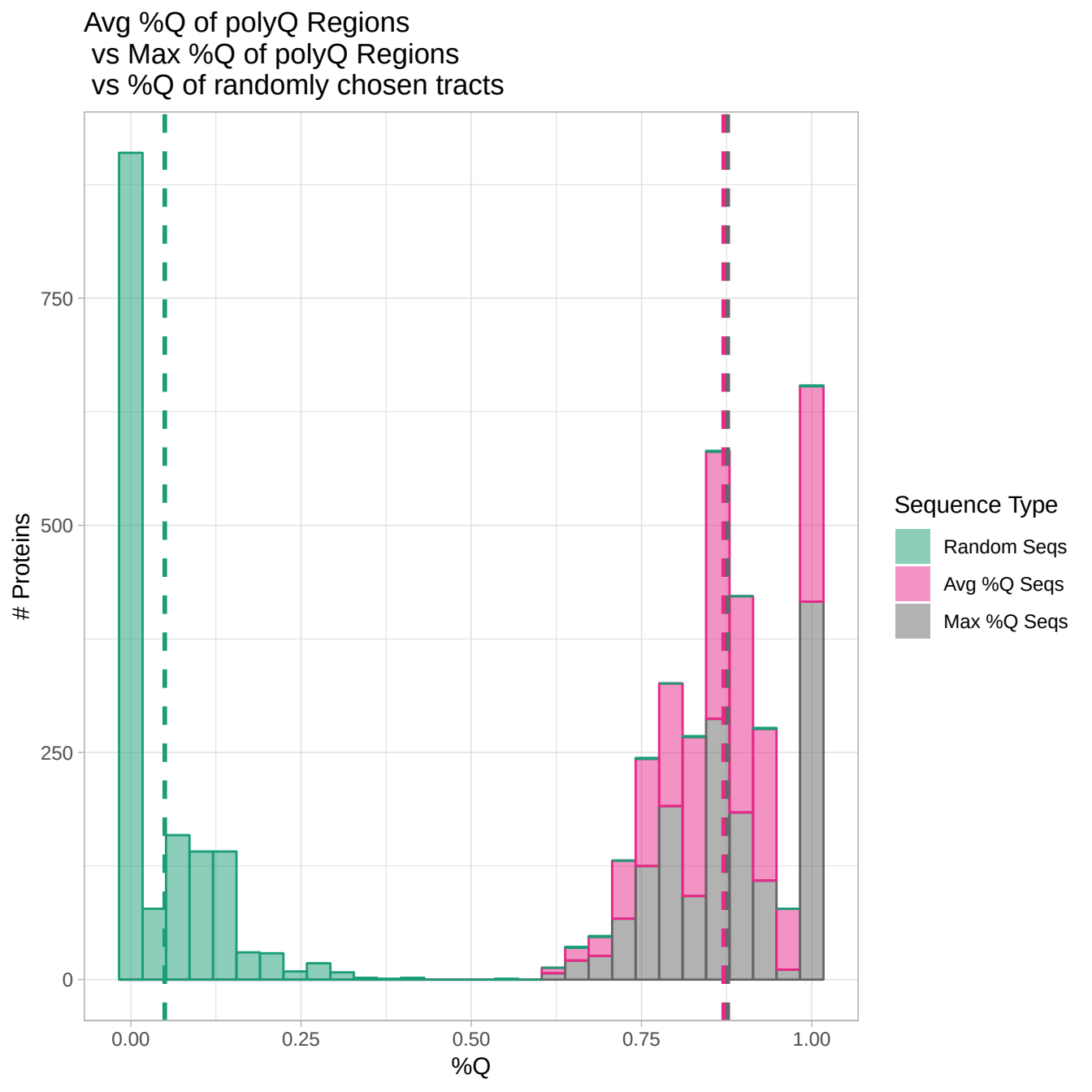

%Q for 100000 50AA Random Seqs Histogram
# of Randomly Choosen Pepitides
40000
30000
20000
10000
0
0.0
0.2
0.4
0.6
0.8
%Q (Random 50AA Seqs)

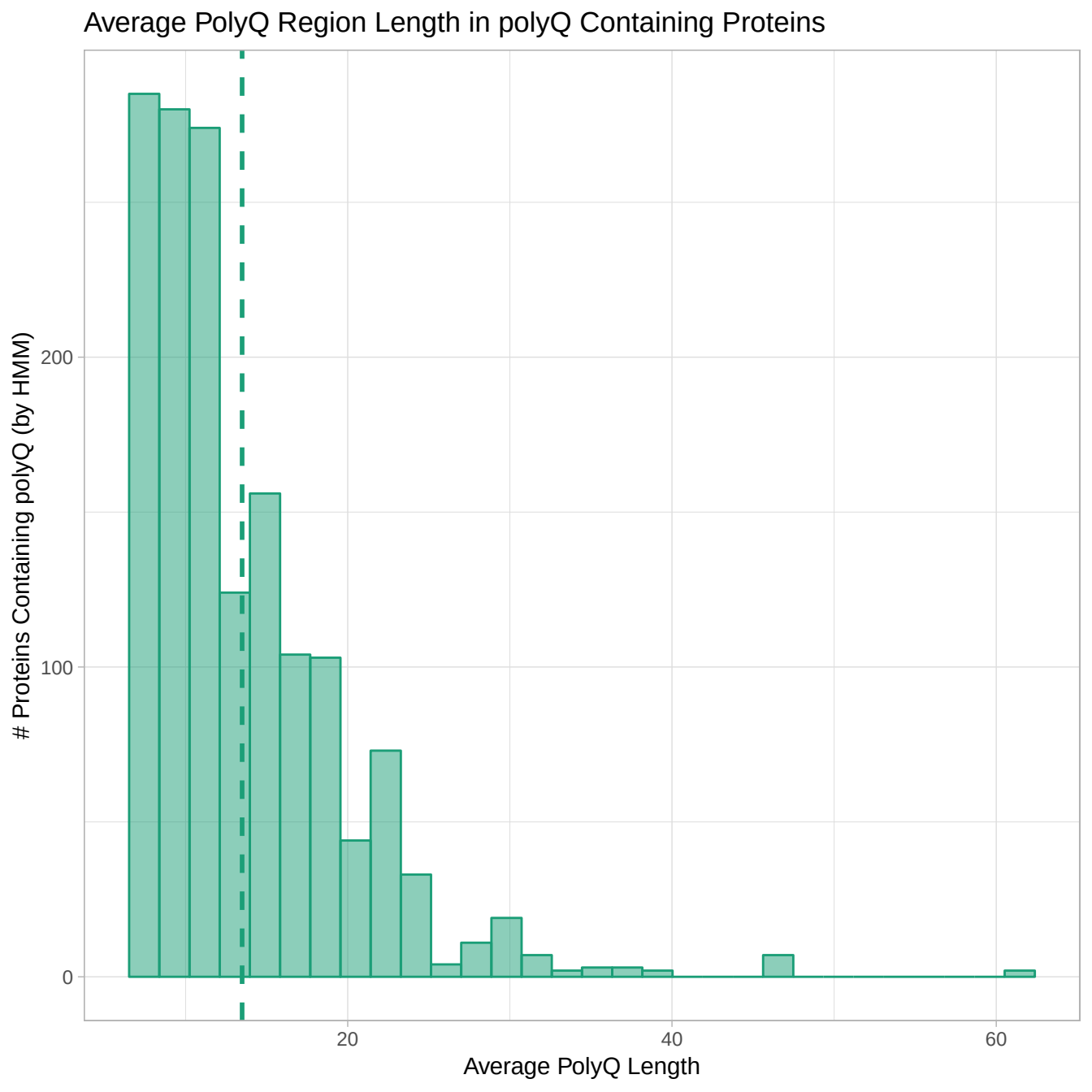

Avg %Q of polyQ Regions for polyQ Containing Proteins
Proteins Containing polyQ
2000
1500
1000
500
0
0.6
0.7
0.8
0.9
1.0
Avg %Q of polyQ Regions

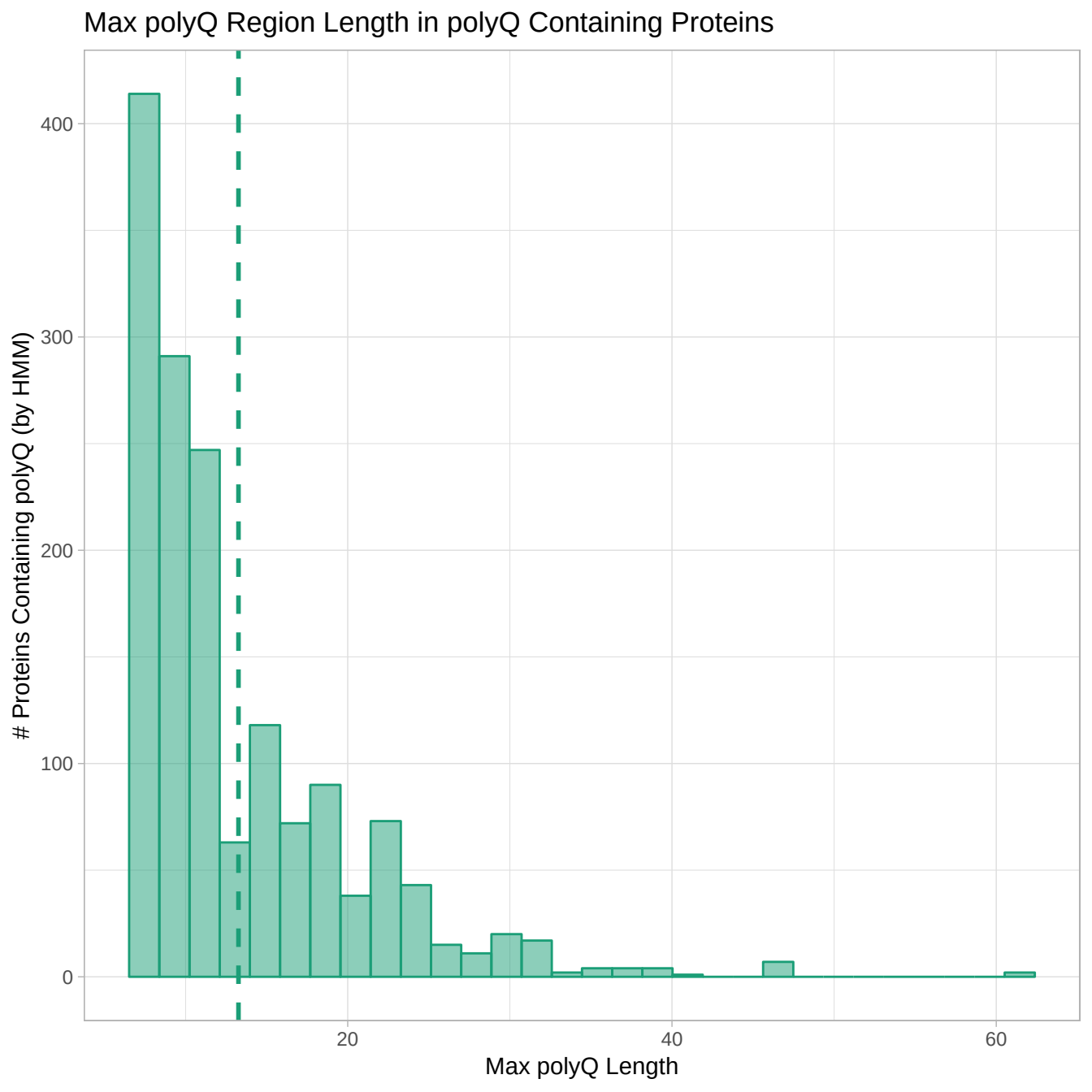

Max %Q of PolyQ Regions for polyQ Containing Proteins
Proteins Containing polyQ
400
300
200
100
0
0.6
0.7
0.8
0.9
1.0
Max %Q of polyQ Regions

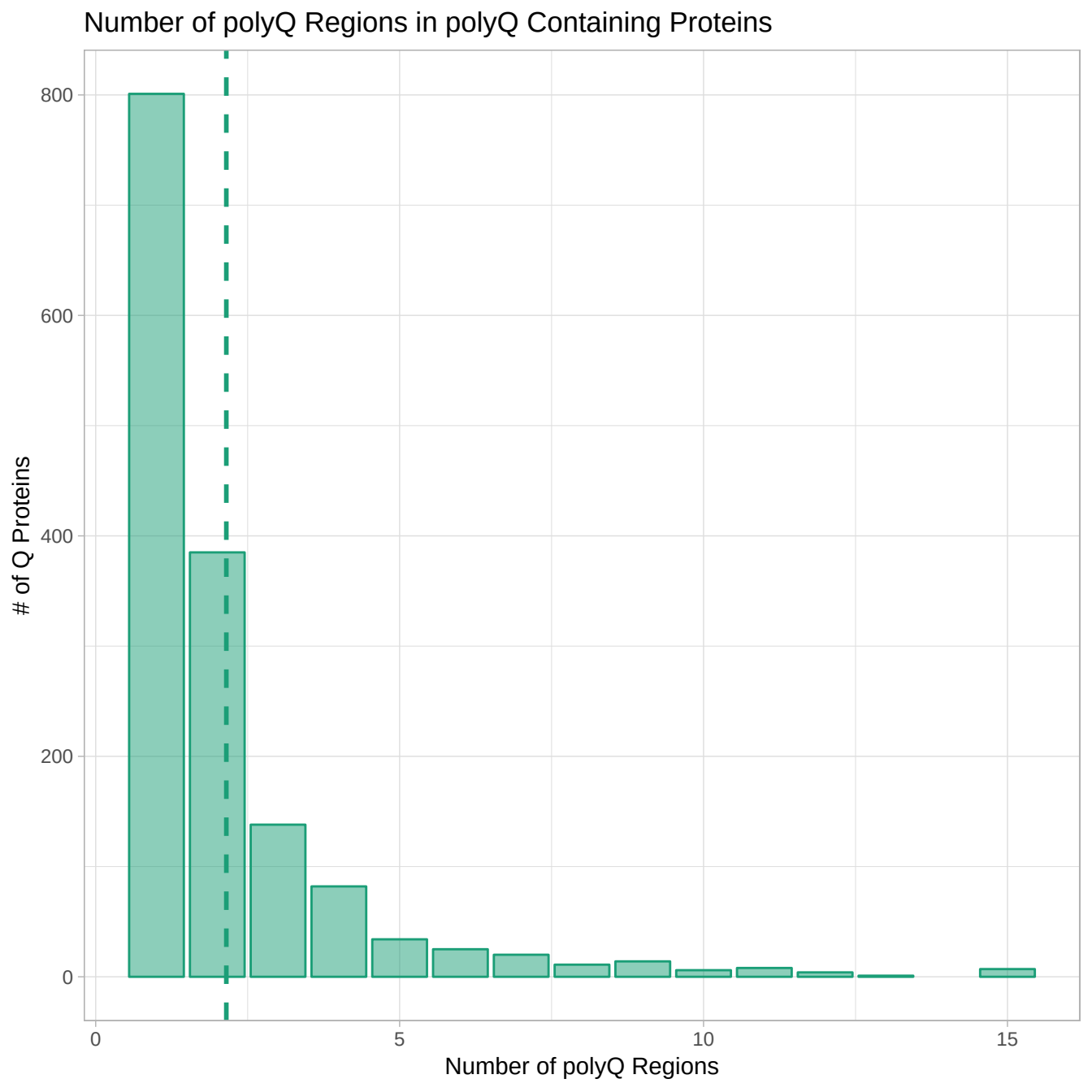

Max %Q of PolyQ Regions for polyQ Containing Proteins
vs %Q of randomly chosen tracts of similiar size
Proteins
750
500
250
0
0.00
0.25
0.50
0.75
1.00
%Q
Sequence Type
Random Seqs
Max %Q Seqs


Avg %Q of PolyQ Regions for polyQ Containing Proteins
vs %Q of Randomly Chosen Tracts
Proteins
750
500
250
0
0.00
0.25
0.50
0.75
1.00
%Q
Sequence Type
Random Seqs
Avg %Q Seqs


Avg %Q of polyQ Regions
vs Max %Q of polyQ Regions
vs %Q of randomly chosen tracts
Proteins
750
500
250
0
0.00
0.25
0.50
0.75
1.00
%Q
Sequence Type
Random Seqs
Avg %Q Seqs
Max %Q Seqs


Average PolyQ Region Length in polyQ Containing Proteins
Proteins Containing polyQ (by HMM)
200
100
0
20
40
60
Average PolyQ Length


Max polyQ Region Length in polyQ Containing Proteins
Proteins Containing polyQ (by HMM)
400
300
200
100
0
20
40
60
Max polyQ Length


Number of polyQ Regions in polyQ Containing Proteins
# of Q Proteins
800
600
400
200
0
0
5
10
15
Number of polyQ Regions