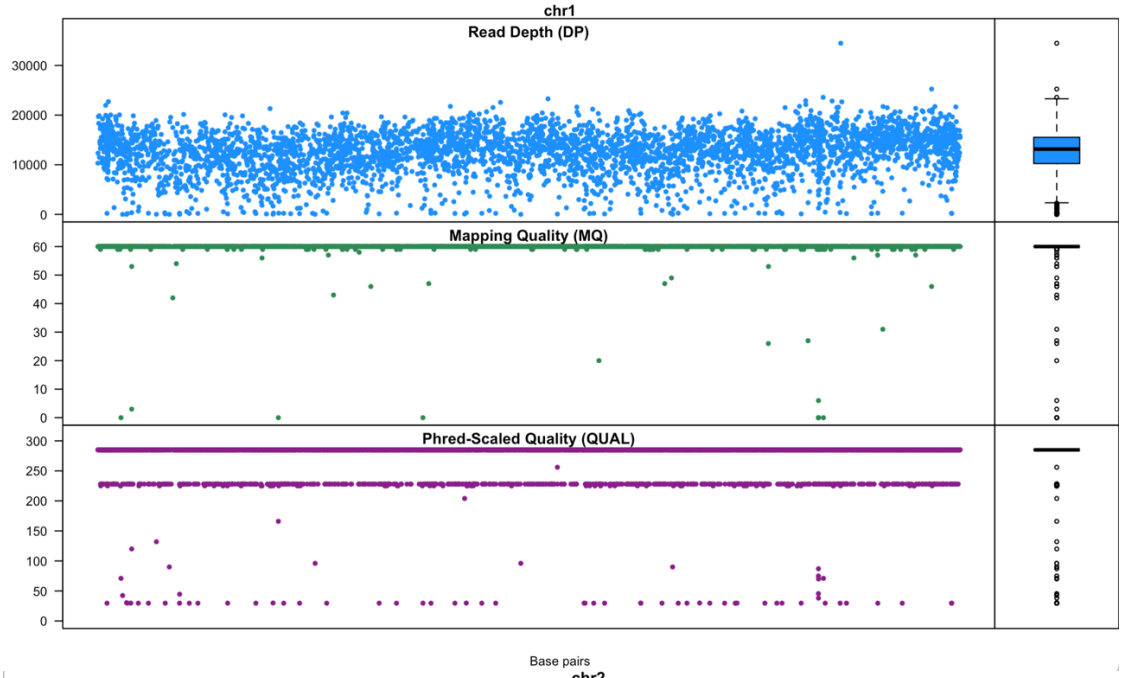
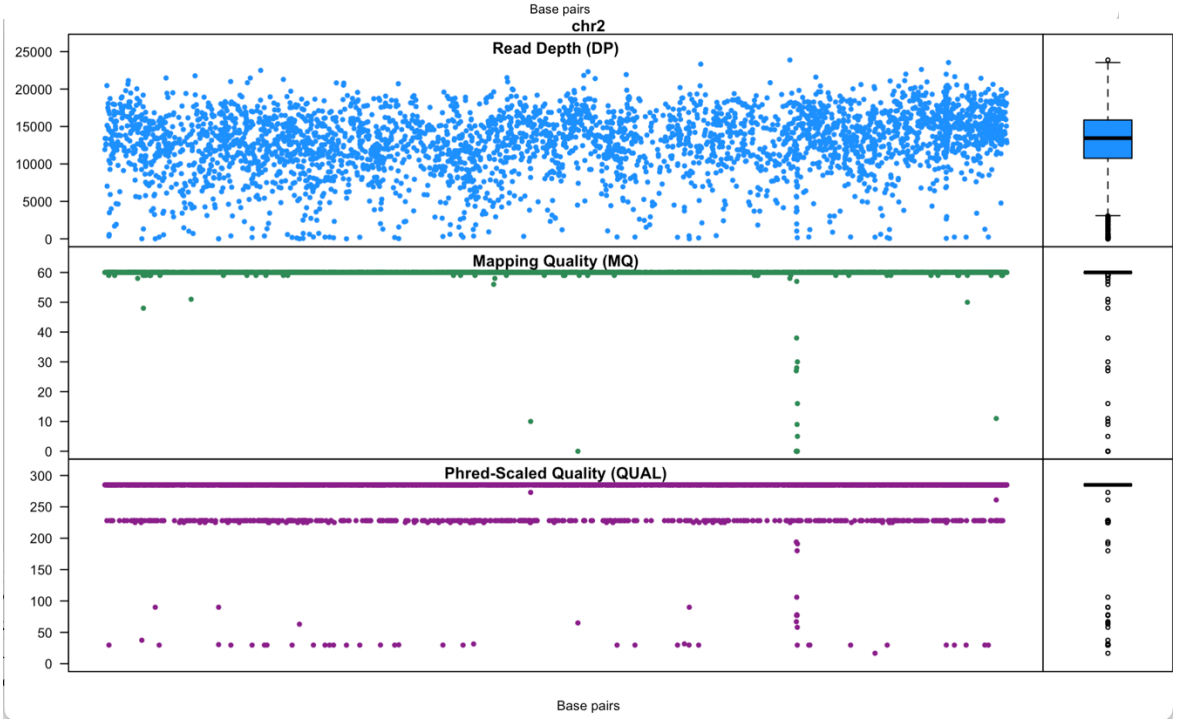
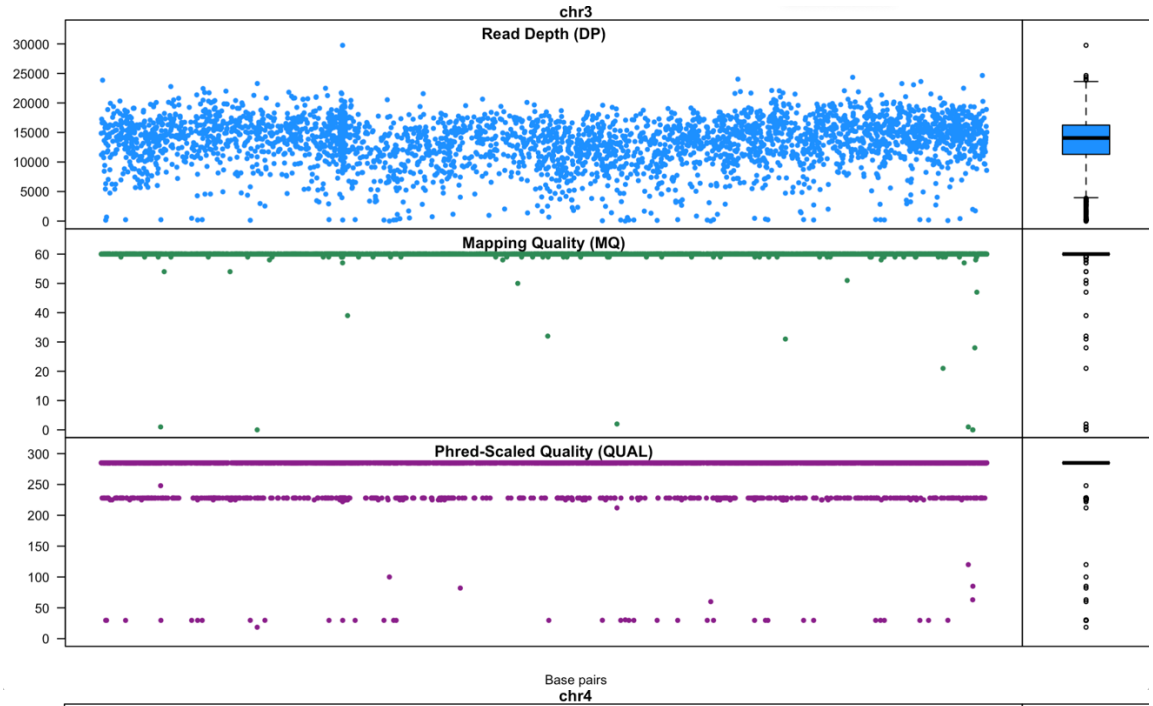
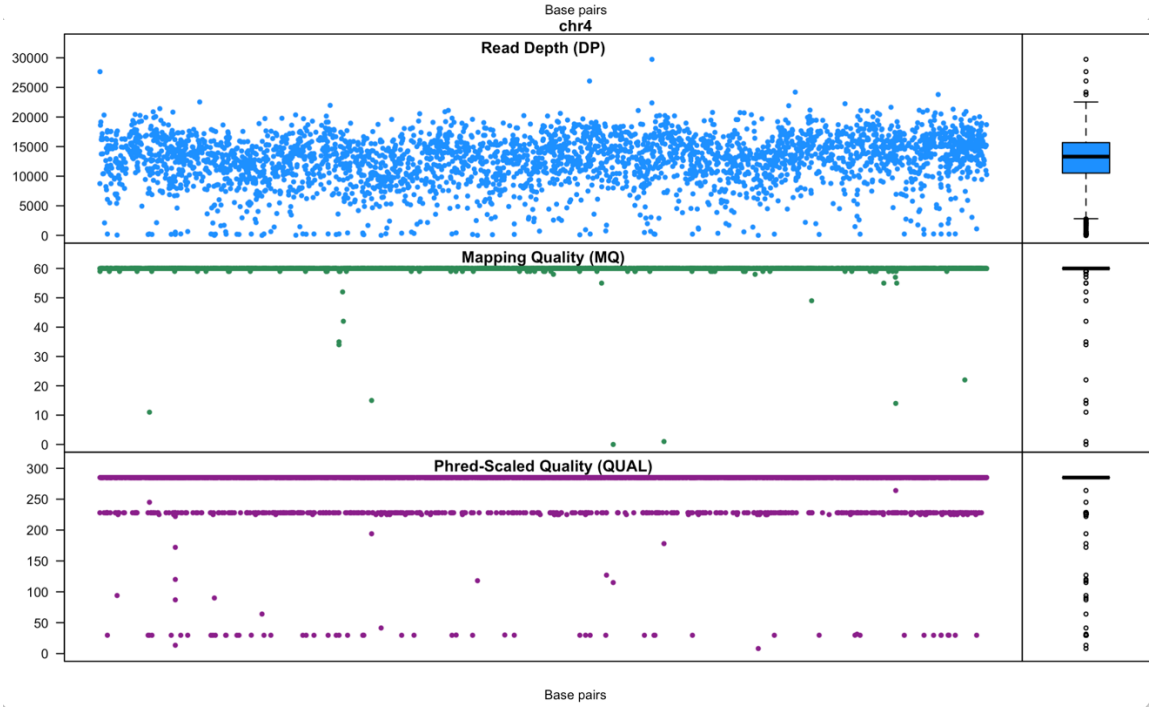
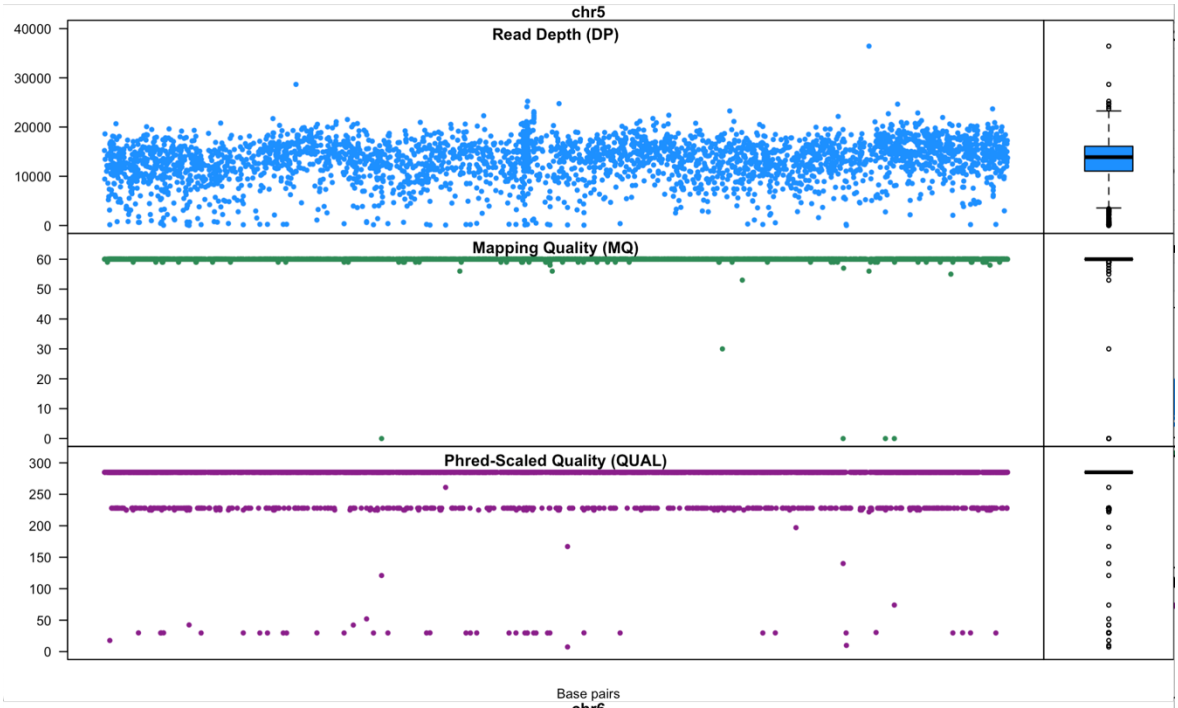
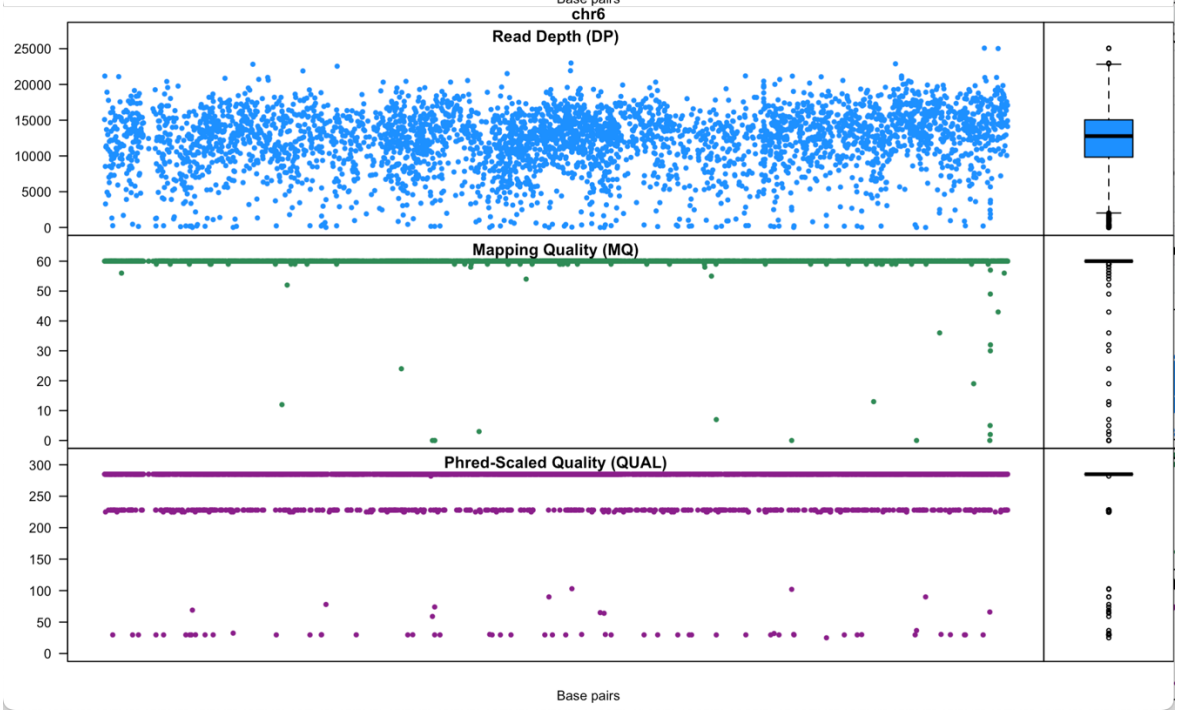

chr1
Read Depth (DP)
30000
20000
10000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs

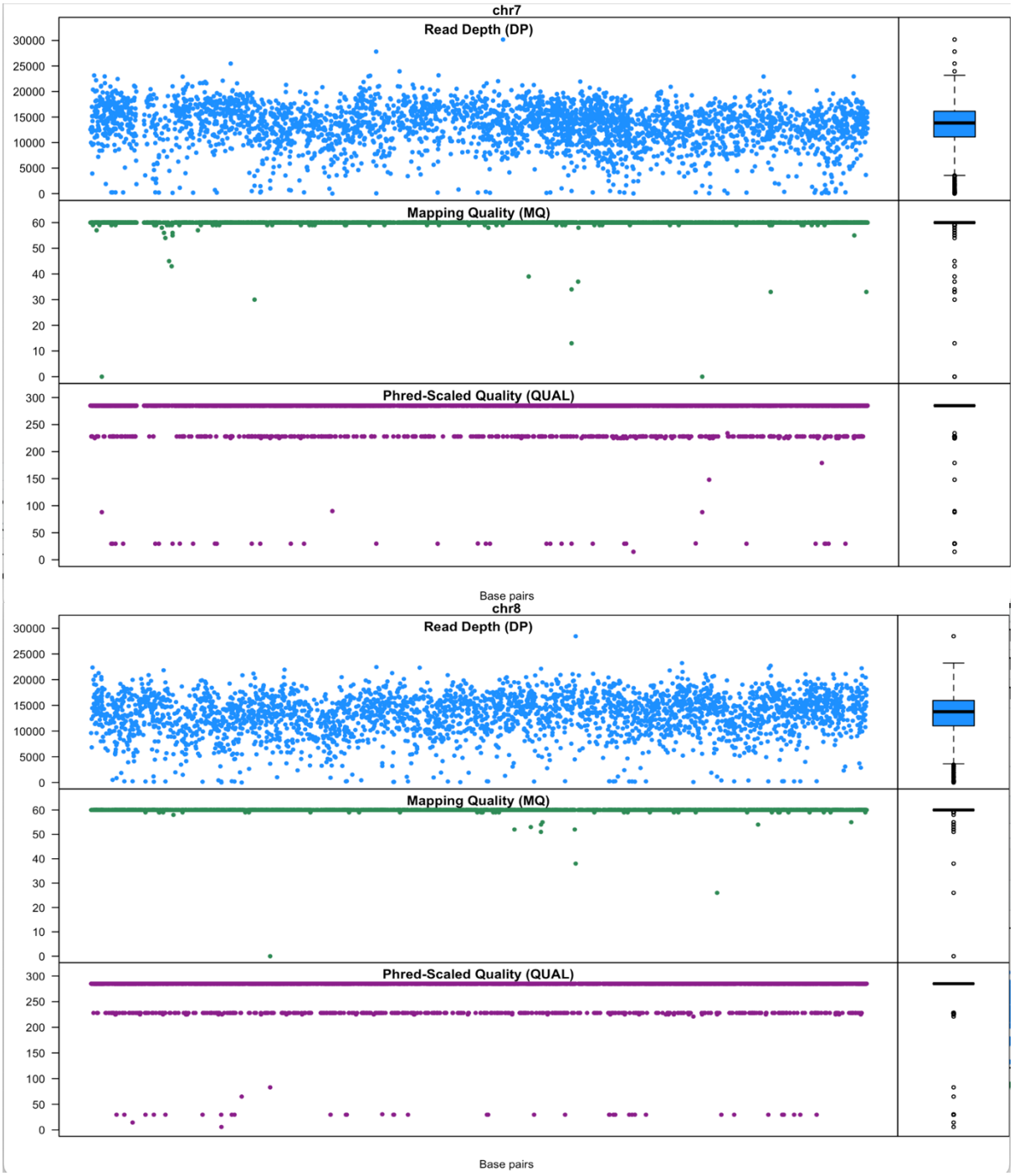

chr2
Read Depth (DP)
25000
20000
15000
10000
5000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs


chr3
Read Depth (DP)
30000
25000
20000
15000
10000
5000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs

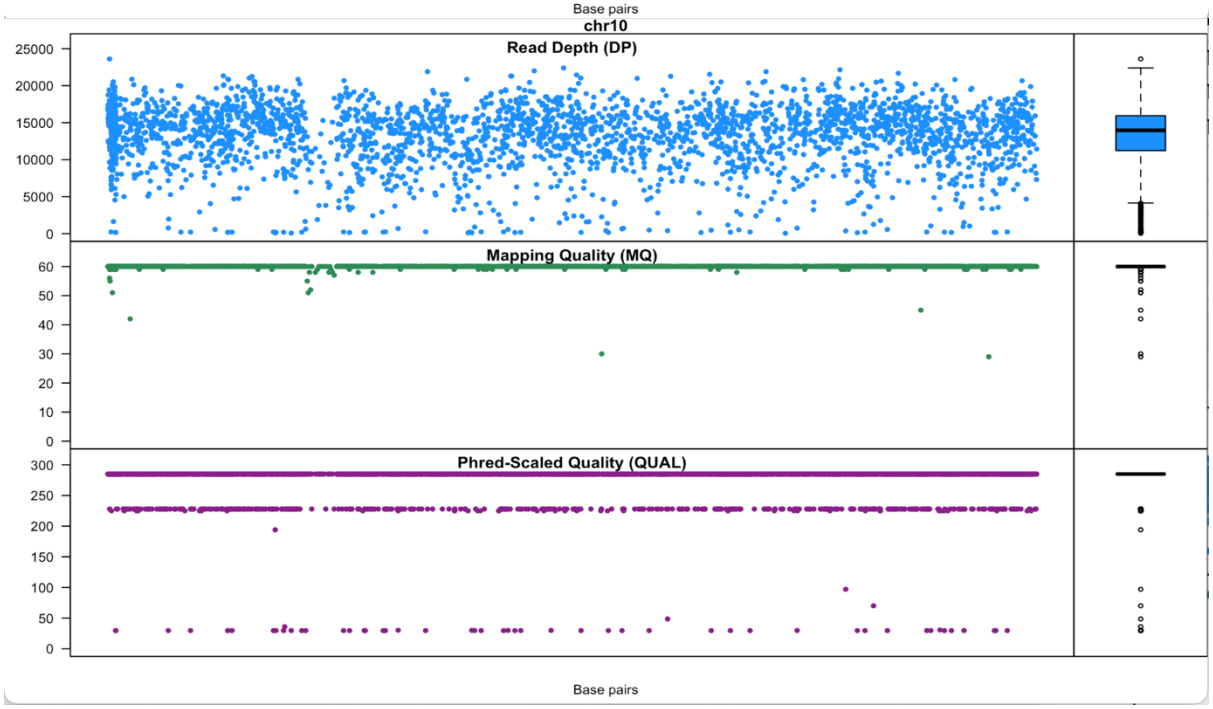

chr4
Read Depth (DP)
30000
25000
20000
15000
10000
5000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs

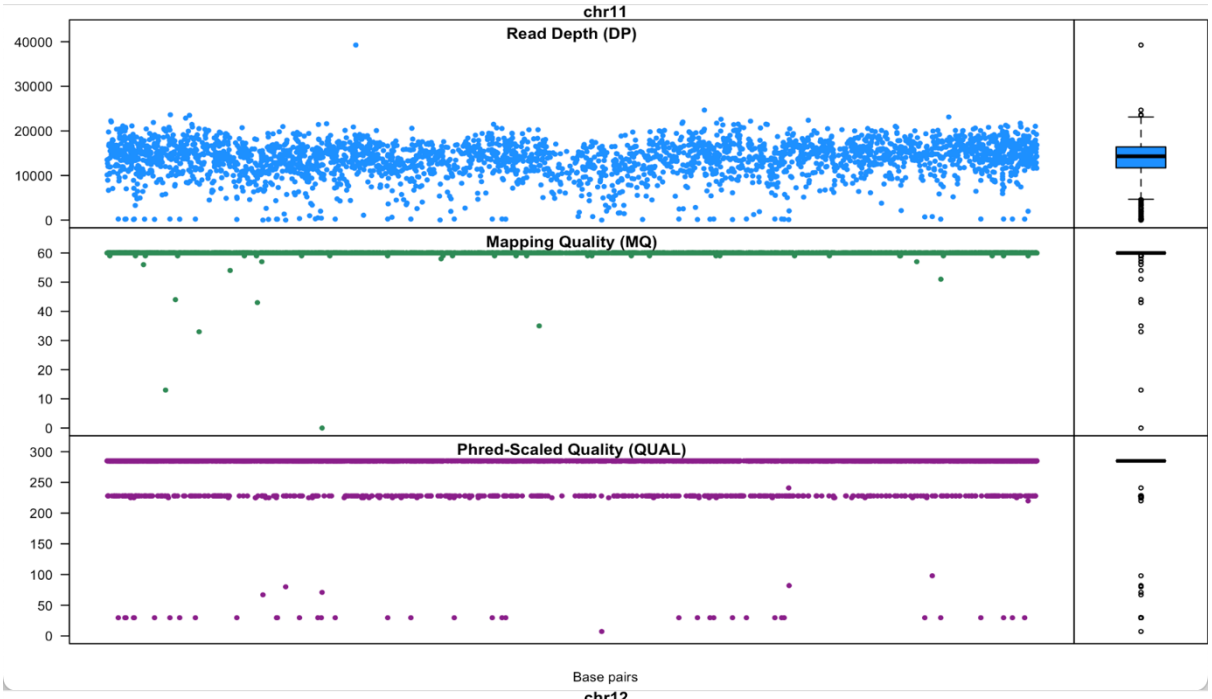

chr5
Read Depth (DP)
40000
30000
20000
10000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs

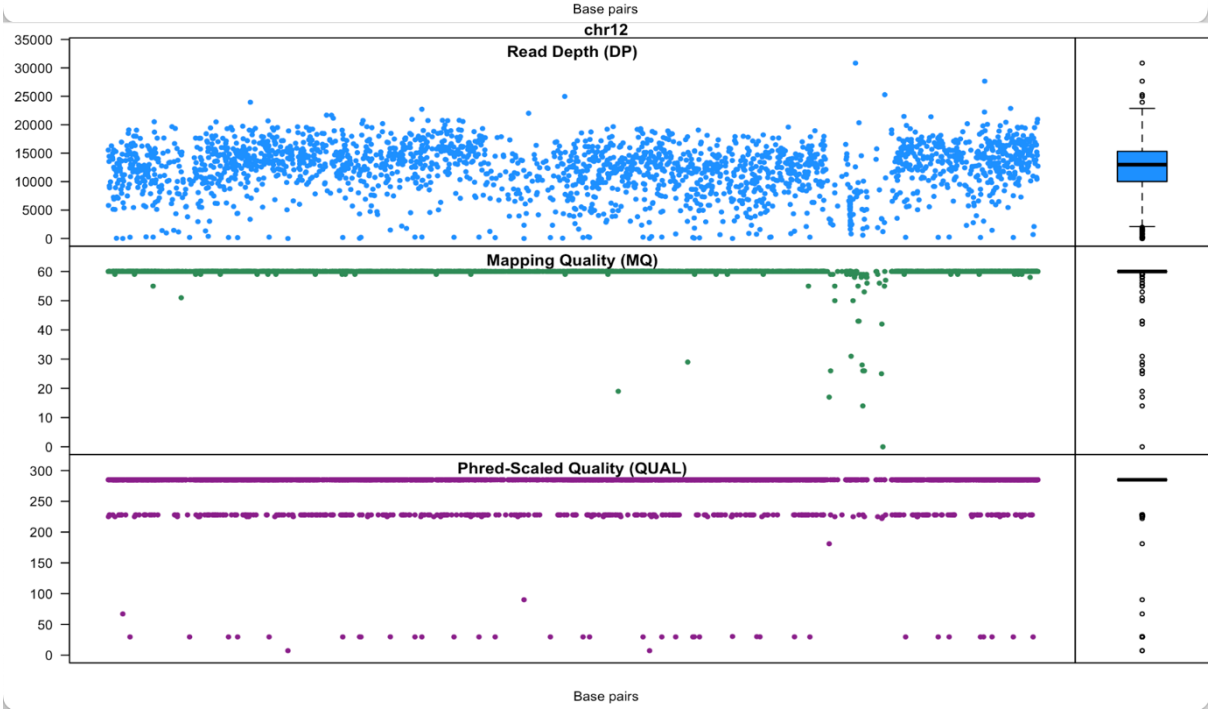

chr6
Read Depth (DP)
25000
20000
15000
10000
5000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs

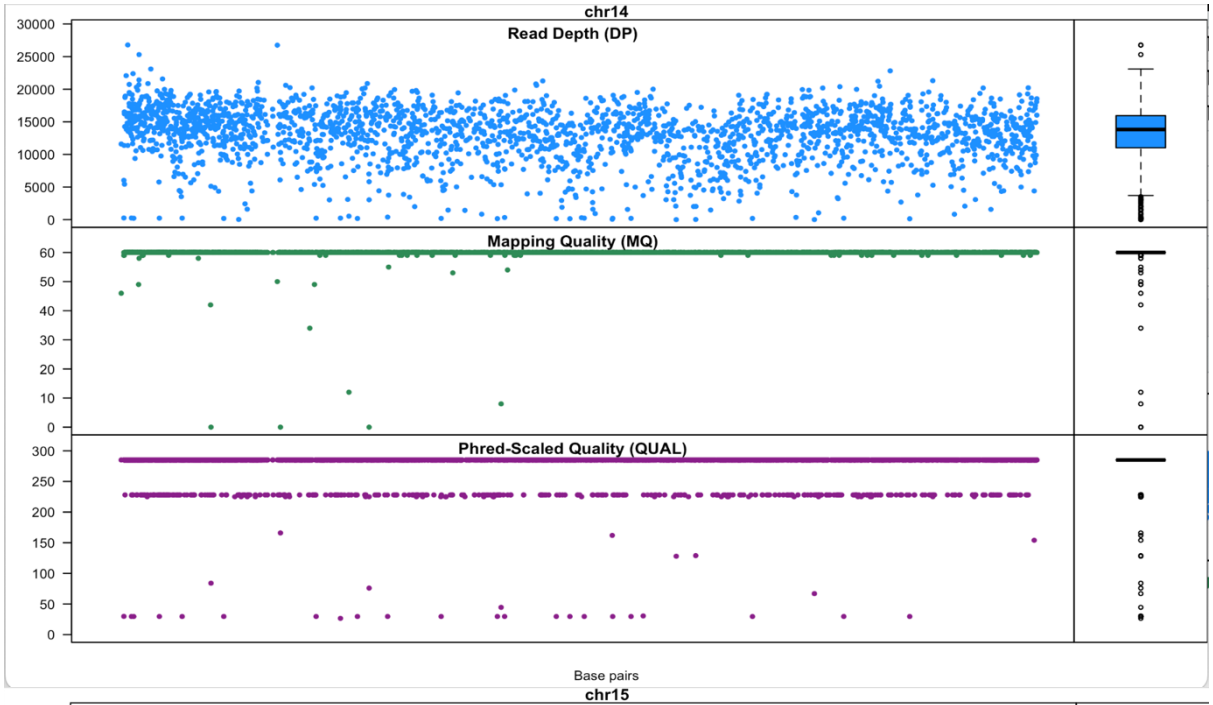

chr7
Read Depth (DP)
30000
25000
20000
15000
10000
5000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs
chr8
Read Depth (DP)
30000
25000
20000
15000
10000
5000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs

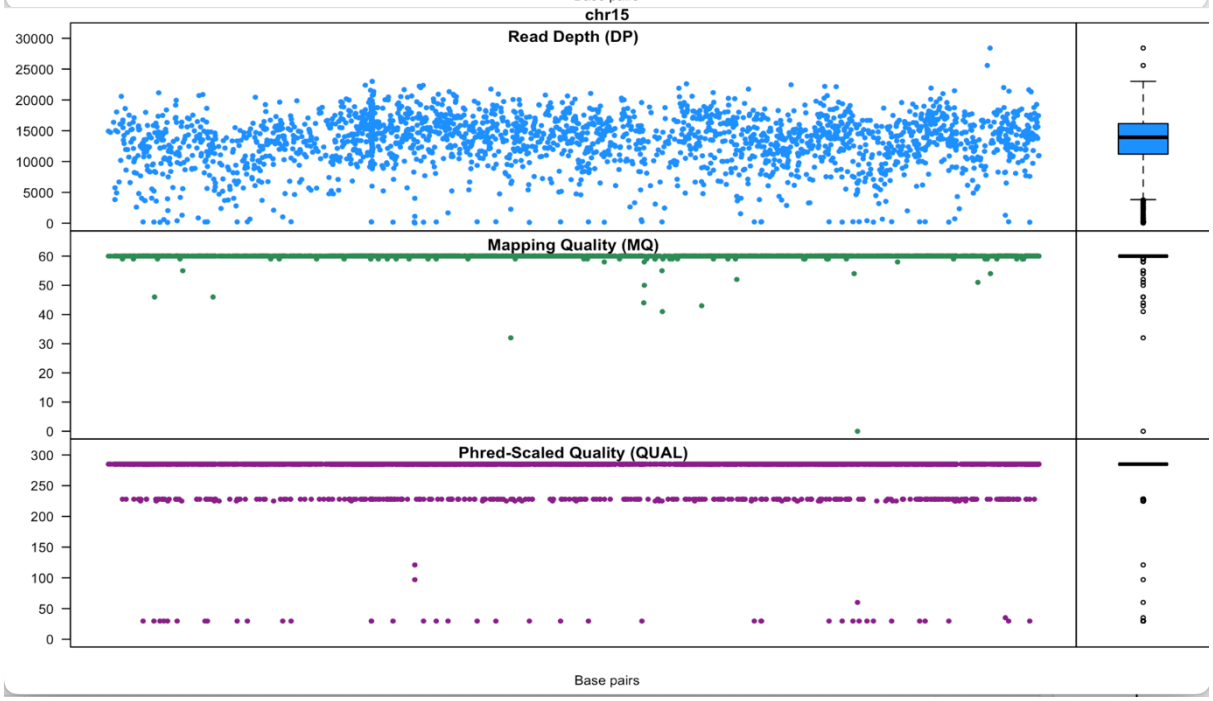

chr9
Read Depth (DP)
25000
20000
15000
10000
5000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs


chr10
Read Depth (DP)
25000
20000
15000
10000
5000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs


chr11
Read Depth (DP)
40000
30000
20000
10000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs


chr12
Read Depth (DP)
35000
30000
25000
20000
15000
10000
5000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs

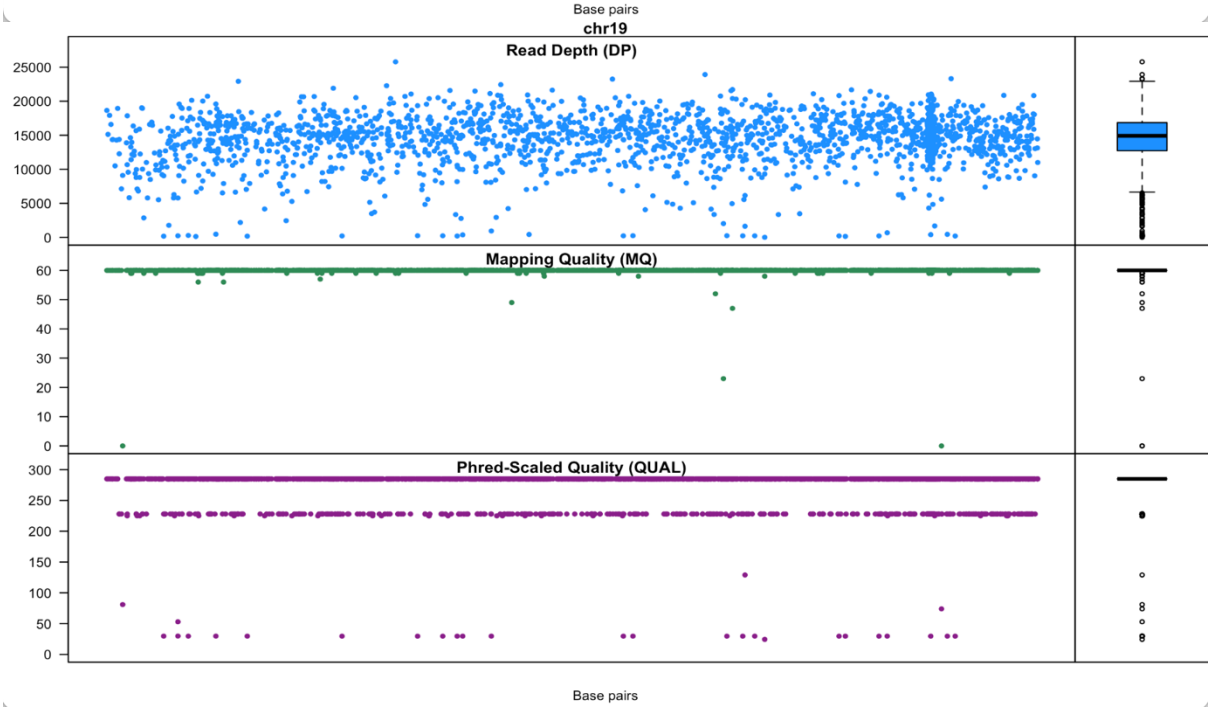

chr14
Read Depth (DP)
30000
25000
20000
15000
10000
5000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs


chr15
Read Depth (DP)
30000
25000
20000
15000
10000
5000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs

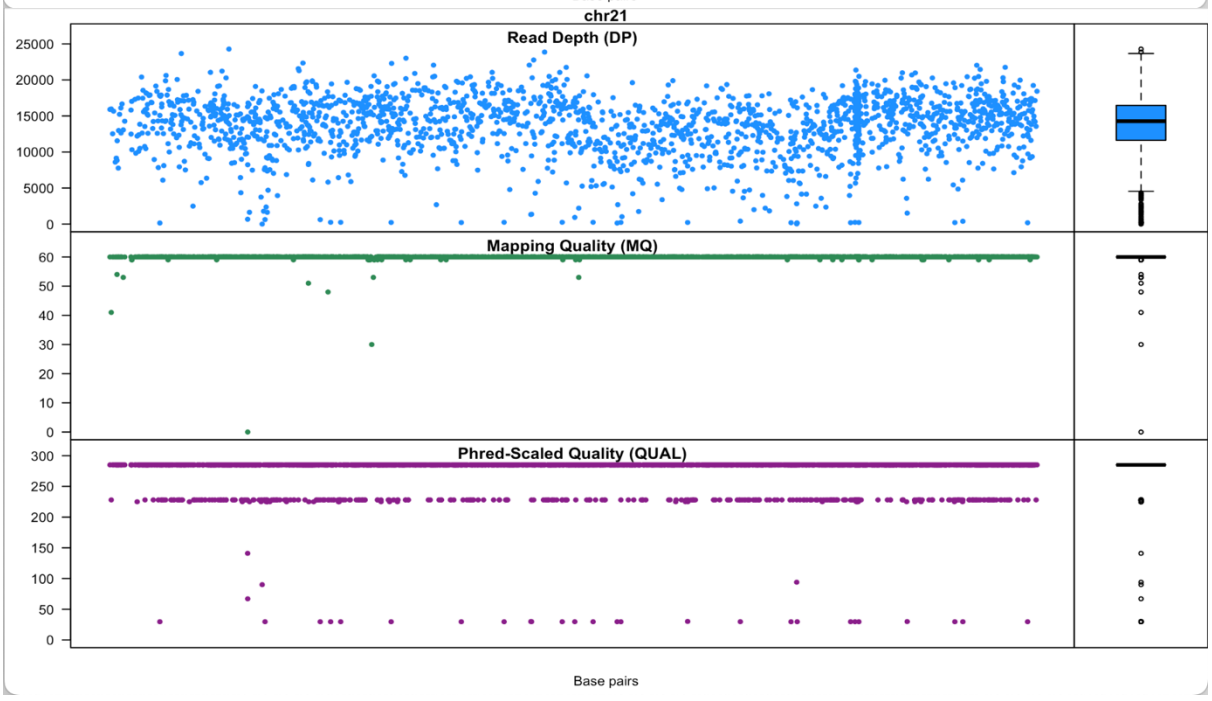

chr16
Read Depth (DP)
30000
20000
10000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs


chr17
Read Depth (DP)
50000
40000
30000
20000
10000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs


chr18
Read Depth (DP)
30000
20000
10000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs


chr19
Read Depth (DP)
25000
20000
15000
10000
5000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs


chr20
Read Depth (DP)
30000
25000
20000
15000
10000
5000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs


chr21
Read Depth (DP)
25000
20000
15000
10000
5000
0
Mapping Quality (MQ)
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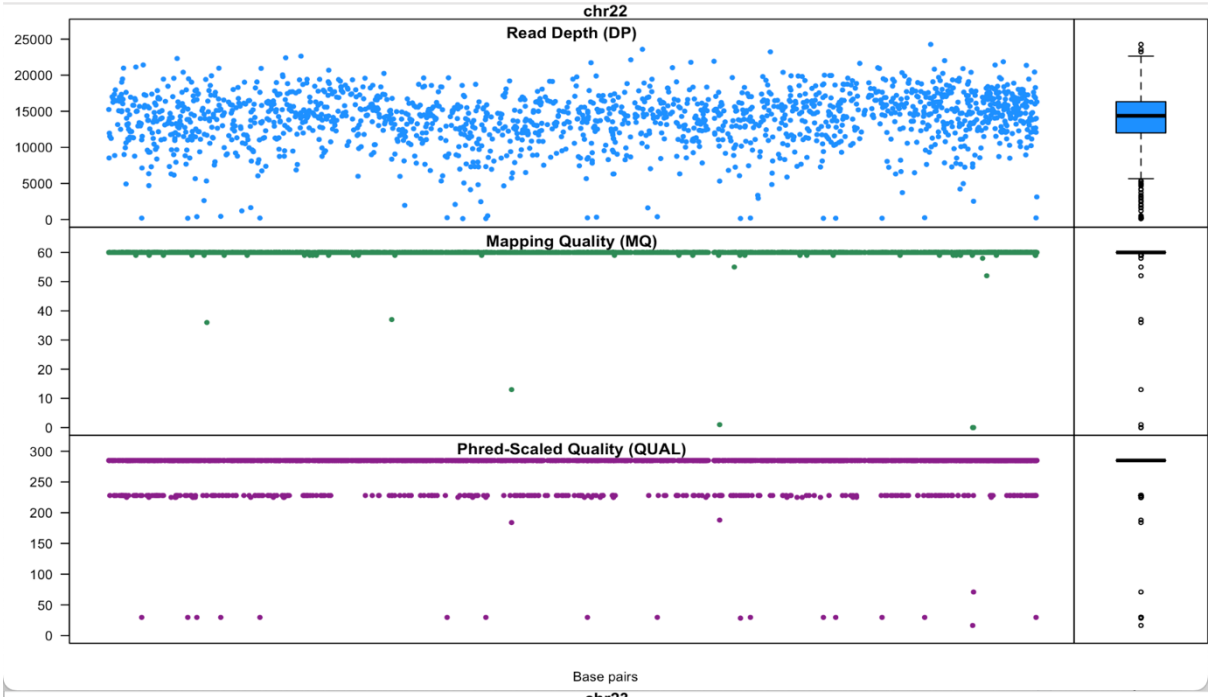
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs


chr22
Read Depth (DP)
25000
20000
15000
10000
5000
0
Mapping Quality (MQ)
60
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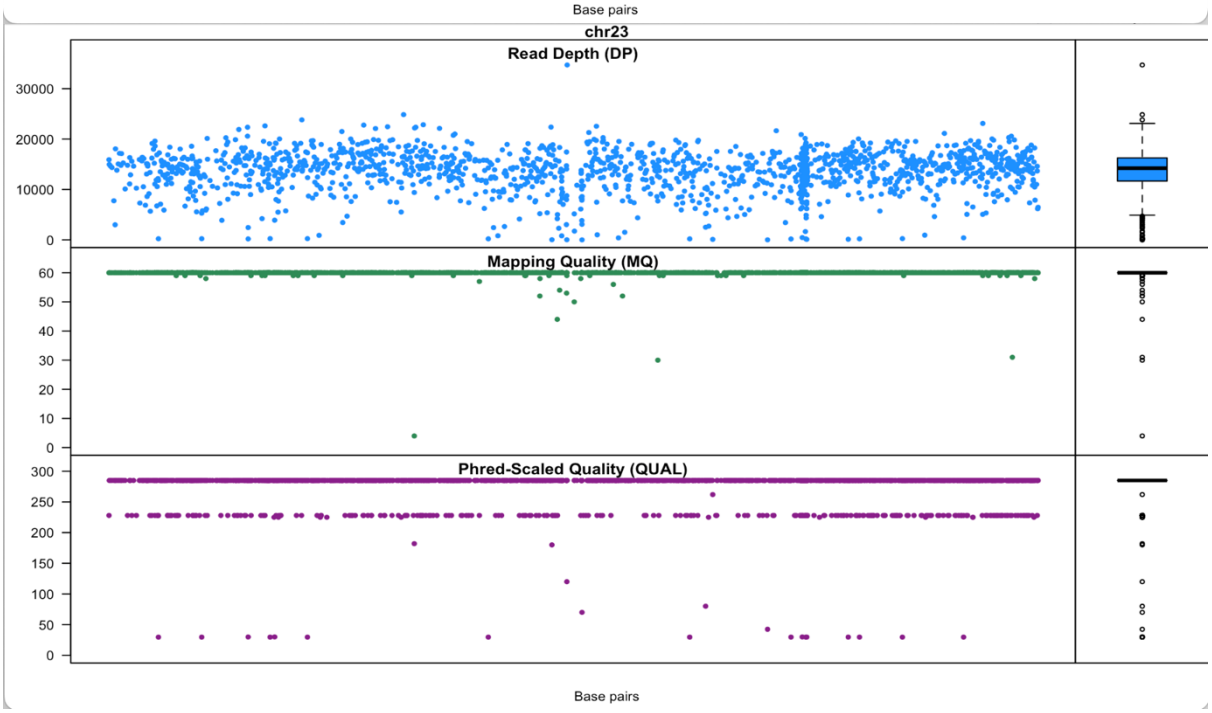
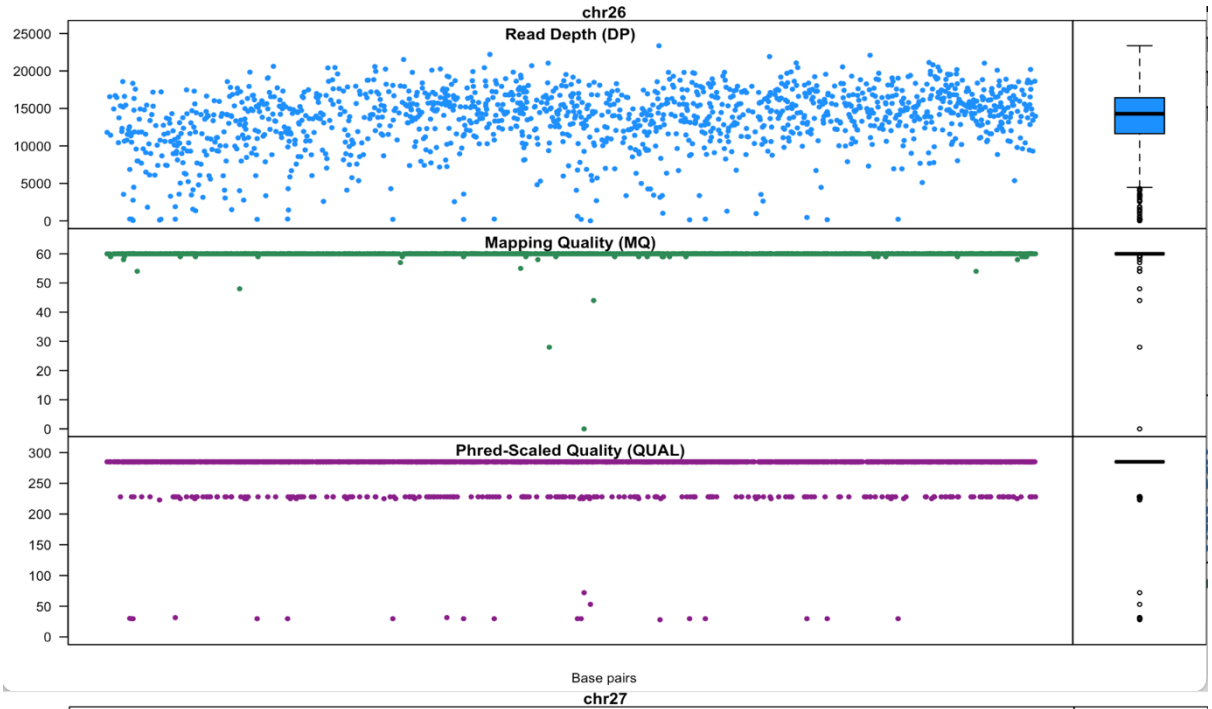
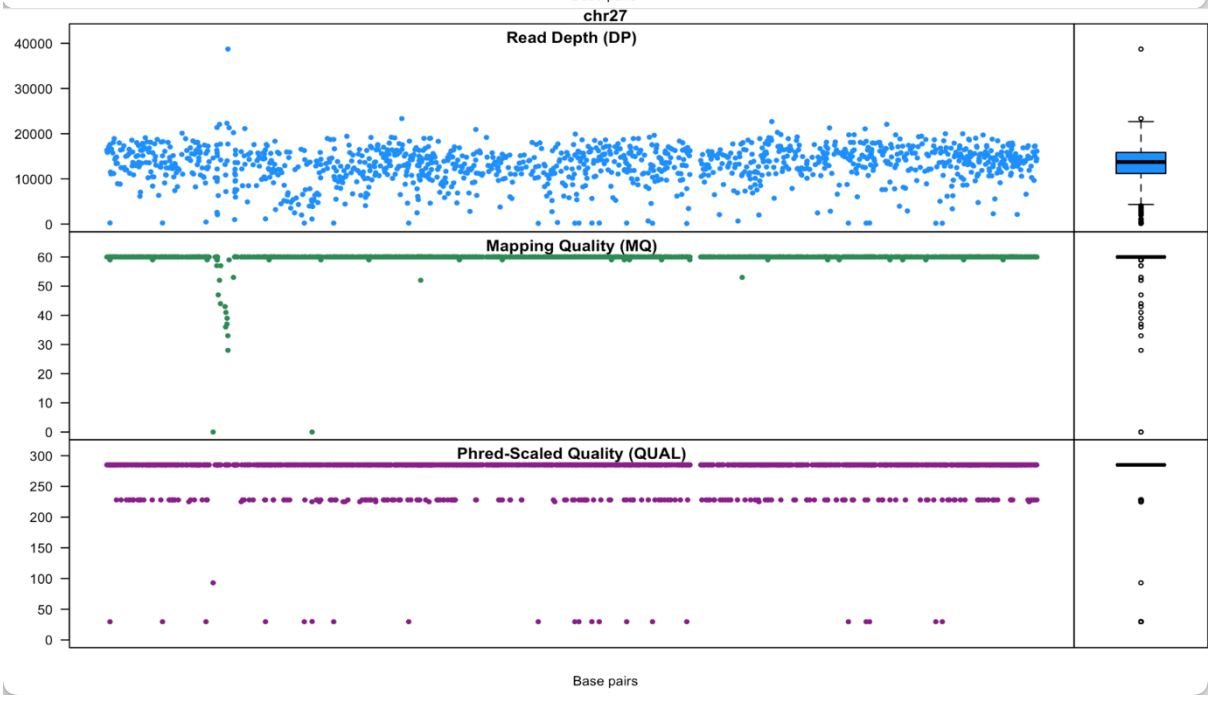
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs

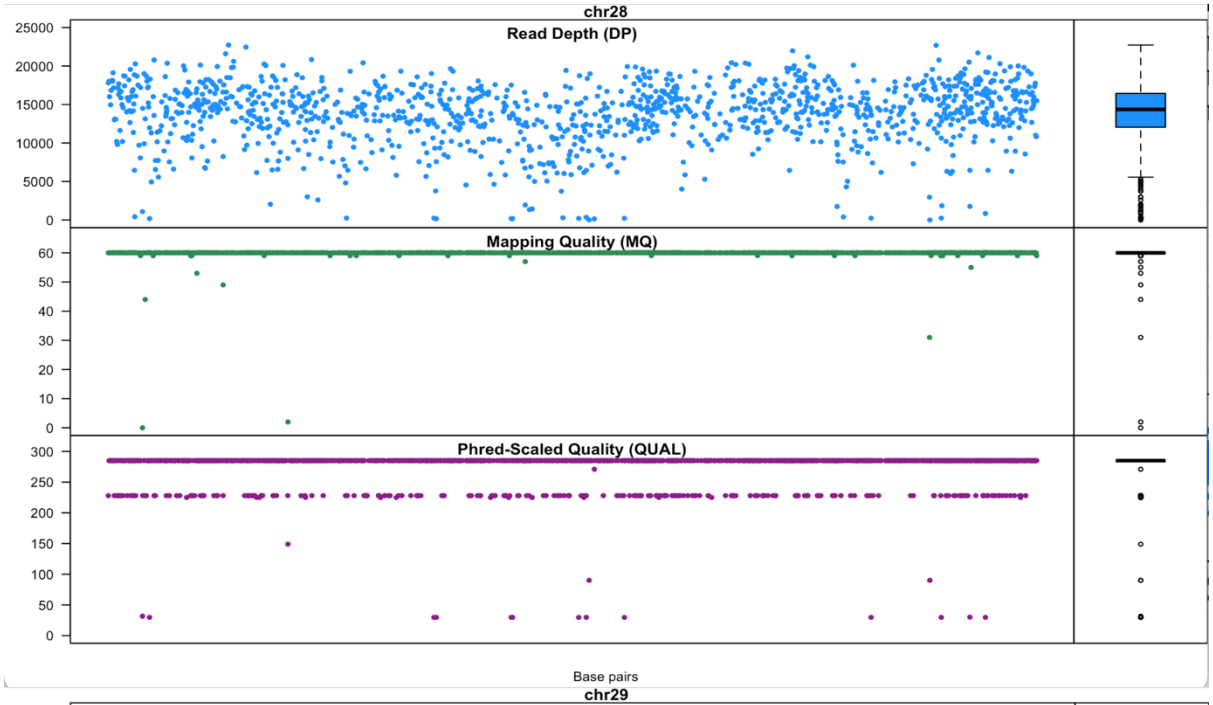

chr23
Read Depth (DP)
30000
20000
10000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs


chr24
Read Depth (DP)
30000
25000
20000
15000
10000
5000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs

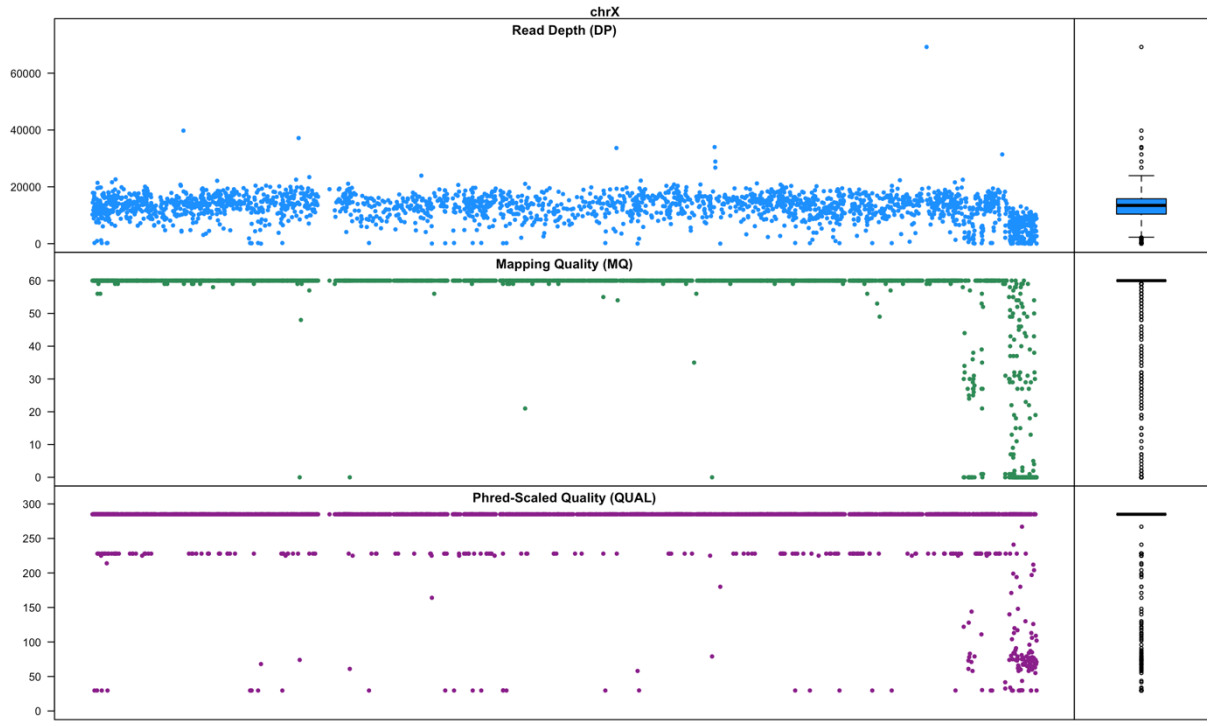

chr25
Read Depth (DP)
25000
20000
15000
10000
5000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs

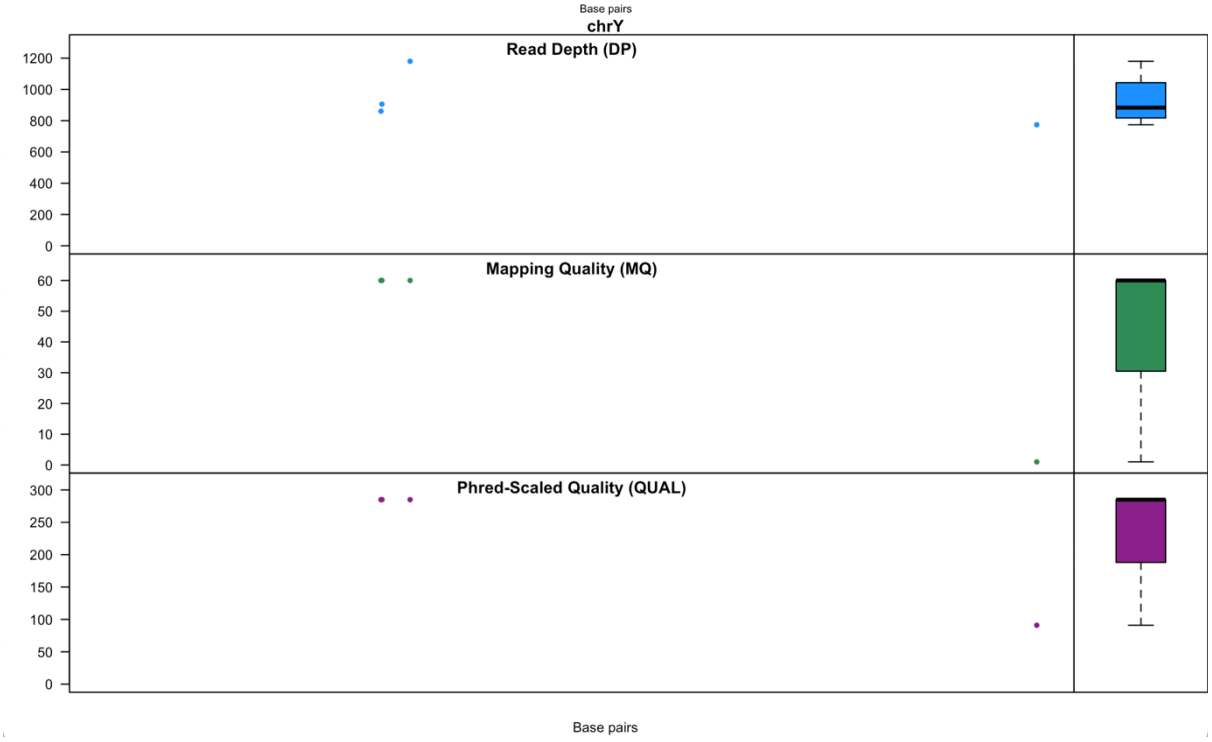

chr26
Read Depth (DP)
25000
20000
15000
10000
5000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs


chr27
Read Depth (DP)
40000
30000
20000
10000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs


chr28
Read Depth (DP)
25000
20000
15000
10000
5000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs


chr29
Read Depth (DP)
30000
20000
10000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs


chrX
Read Depth (DP)
60000
40000
20000
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs


chrY
Read Depth (DP)
1200
1000
800
600
400
200
0
Mapping Quality (MQ)
60
50
40
30
20
10
0
Phred-Scaled Quality (QUAL)
300
250
200
150
100
50
0
Base pairs