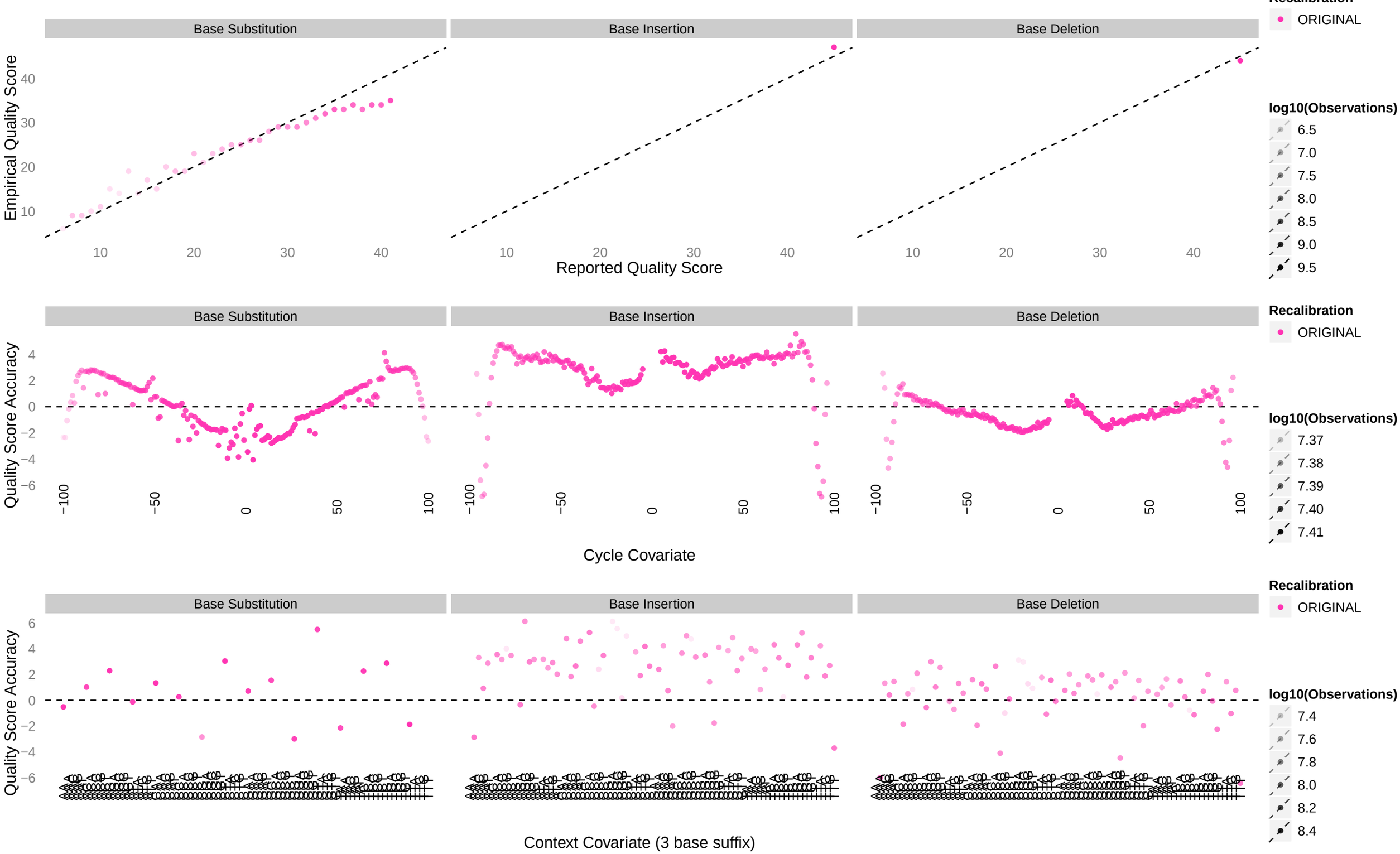
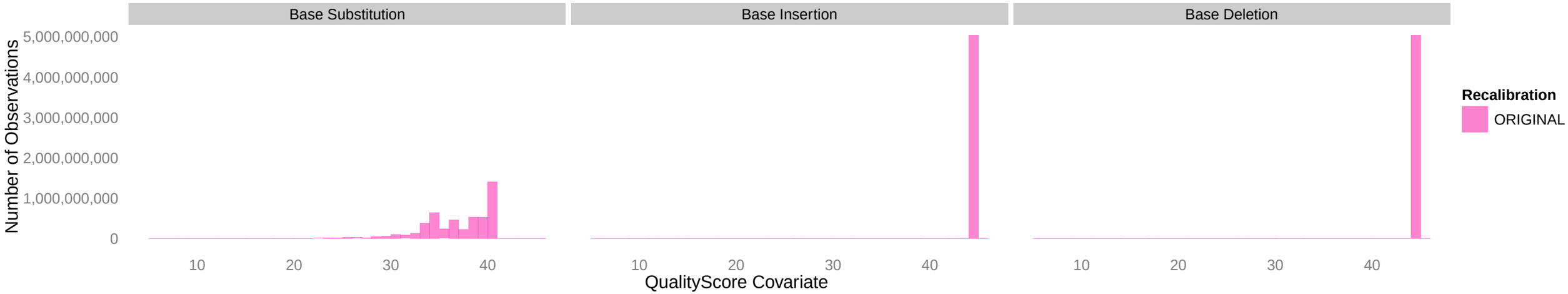
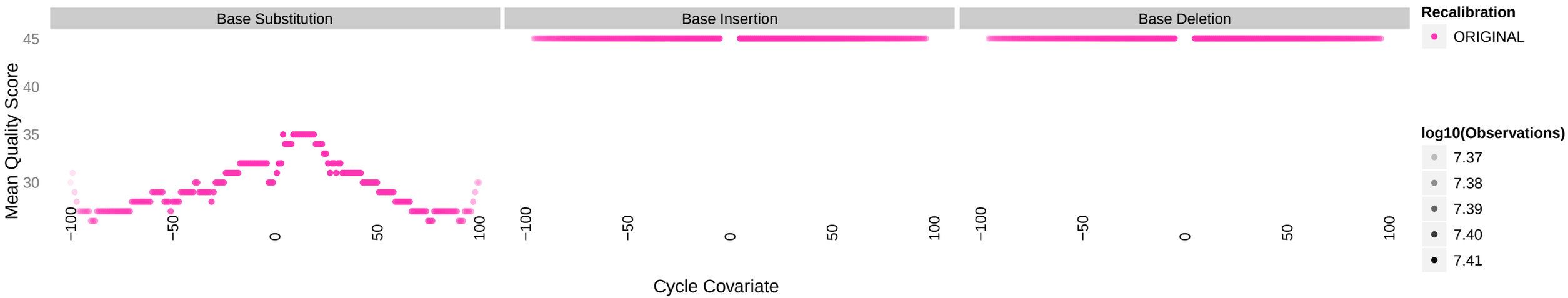
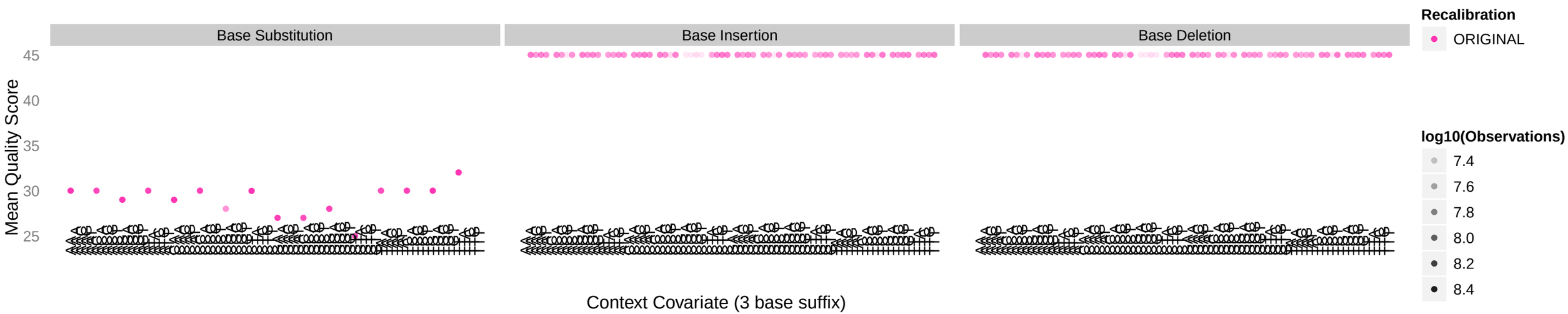

Base Substitution
Base Insertion
Base Deletion
Empirical Quality Score
Reported Quality Score
Recalibration
ORIGINAL
log10(Observations)
6.5
7.0
7.5
8.0
8.5
9.0
9.5
Quality Score Accuracy
Cycle Covariate
7.37
7.38
7.39
7.40
7.41
Context Covariate (3 base suffix)
7.4
7.6
7.8
8.0
8.2
8.4


Base Substitution
Base Insertion
Base Deletion
Number of Observations
5,000,000,000
4,000,000,000
3,000,000,000
2,000,000,000
1,000,000,000
0
10
20
30
40
QualityScore Covariate
Recalibration
ORIGINAL


Base Substitution
Base Insertion
Base Deletion
Mean Quality Score
45
40
35
30
−100
−50
0
50
100
Cycle Covariate
Recalibration
ORIGINAL
log10(Observations)
7.37
7.38
7.39
7.40
7.41


Base Substitution
Base Insertion
Base Deletion
Mean Quality Score
45
40
35
30
25
Context Covariate (3 base suffix)
Recalibration
ORIGINAL
log10(Observations)
7.4
7.6
7.8
8.0
8.2
8.4