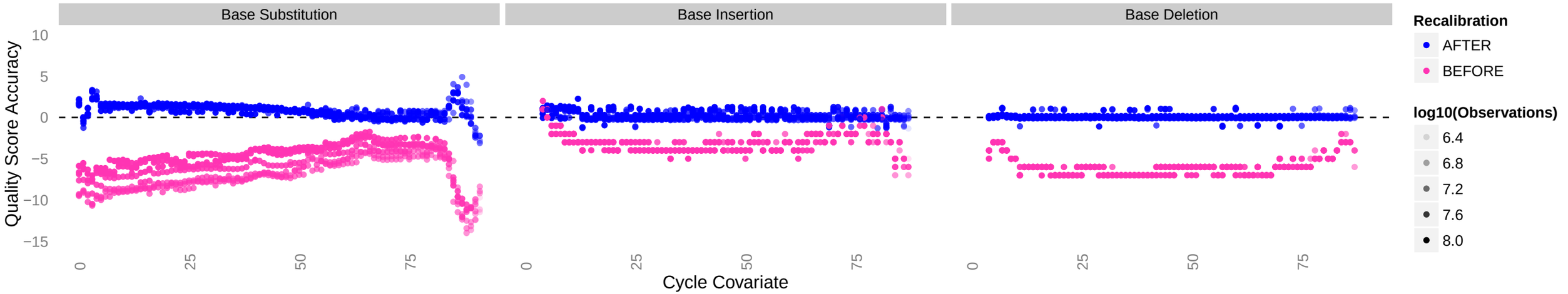
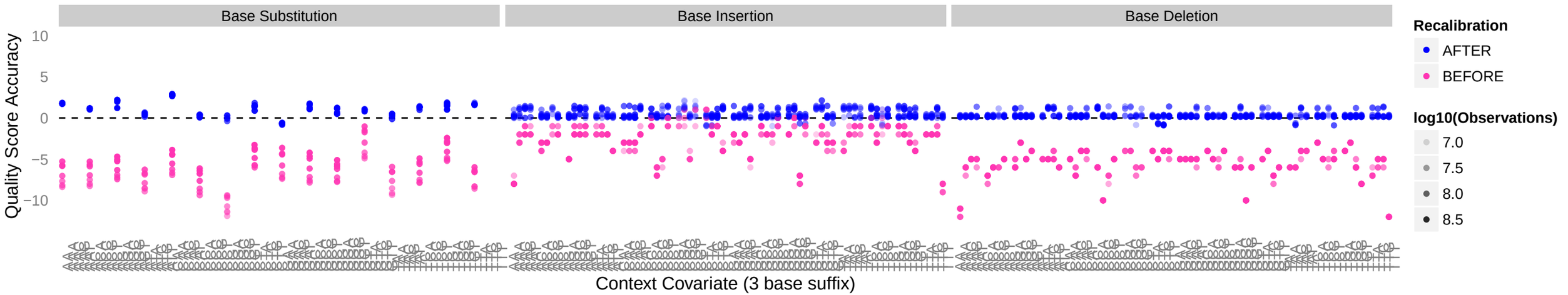
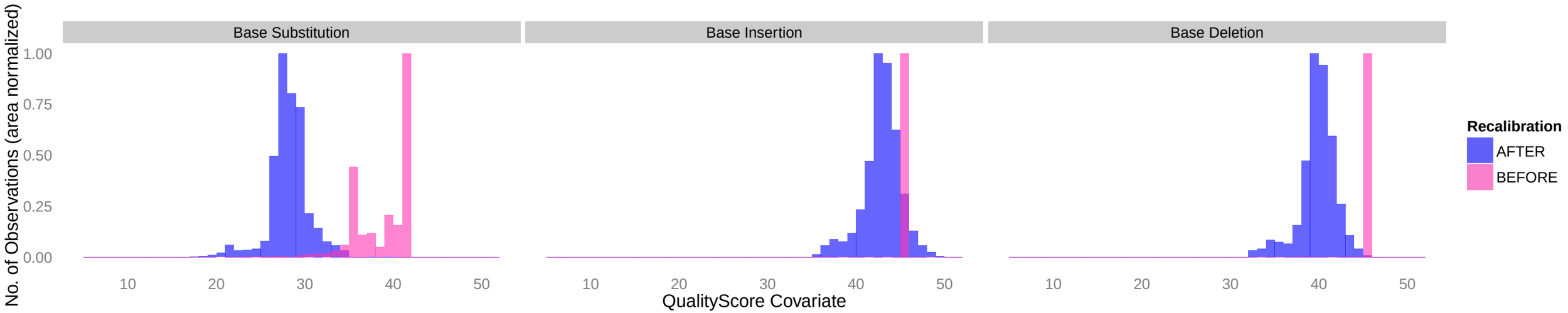
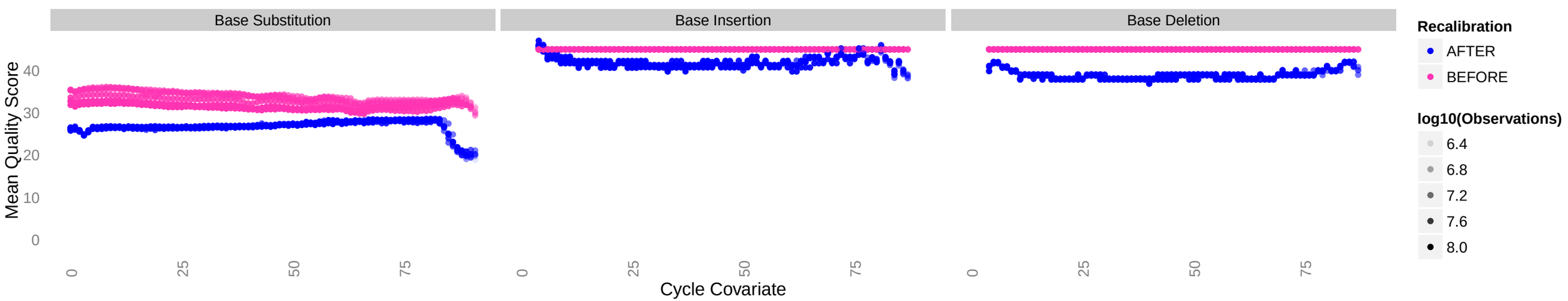
Argument	Value
binary_tag_name	None
covariate	ReadGroup,QualityScore,Context,Cycle
default_platform	None
deletions_default_quality	45
force_platform	None
indels_context_size	3
insertions_default_quality	45
low_quality_tail	2
maximum_cycle_value	500
mismatches_context_size	2
mismatches_default_quality	−1
no_standard_covs	false
quantizing_levels	16
run_without_dbsnp	false
solid_nocall_strategy	THROW_EXCEPTION
solid_recal_mode	SET_Q_ZERO

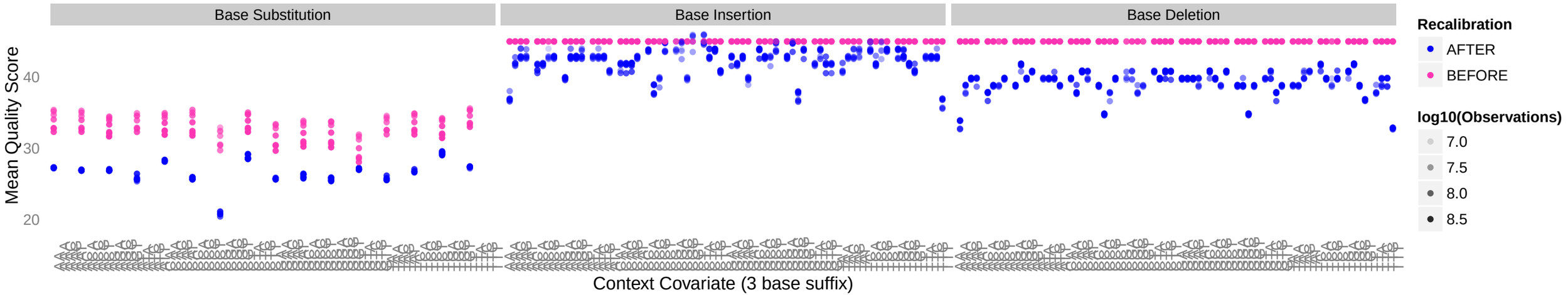
Base Substitution
Base Insertion
Base Deletion
Empirical Quality Score
Reported Quality Score
10
20
30
40
50
log10(Observations)
6
7
8
9
Recalibration
AFTER
BEFORE


Base Substitution
Base Insertion
Base Deletion
Quality Score Accuracy
Cycle Covariate
10
5
0
−5
−10
−15
0
25
50
75
Recalibration
AFTER
BEFORE
log10(Observations)
6.4
6.8
7.2
7.6
8.0


Base Substitution
Base Insertion
Base Deletion
Quality Score Accuracy
Context Covariate (3 base suffix)
10
5
0
−5
−10
Recalibration
AFTER
BEFORE
log10(Observations)
7.0
7.5
8.0
8.5


Base Substitution
Base Insertion
Base Deletion
No. of Observations (area normalized)
1.00
0.75
0.50
0.25
0.00
10
20
30
40
50
QualityScore Covariate
Recalibration
AFTER
BEPHORE


Base Substitution
Base Insertion
Base Deletion
Mean Quality Score
40
30
20
10
0
0
25
50
75
Cycle Covariate
Recalibration
AFTER
BEFORE
log10(Observations)
6.4
6.8
7.2
7.6
8.0


Base Substitution
Base Insertion
Base Deletion
Mean Quality Score
40
30
20
Context Covariate (3 base suffix)
Recalibration
AFTER
BEFORE
log10(Observations)
7.0
7.5
8.0
8.5

Overall error rates by event type

1:7	7LYMFP1:381:7	7LYMFP1:381:7	7LYMFP1:381:4	7LYMFP1:381:4	7LYMFP1:381:4	7LYMFP1:381:1	7LYMFP1:381:1	7LYMFP1:381:1	7LYMFP1:381:2	7LYMFP1:381:2	7LYMFP1:381:2	7LYMFP1:381:3	7LYMFP1:381:3	7LYMFP1:381:3	7LYMFP1:381:5	7LYMFP1:381:5	7LYMFP1:381:5	7LYMFP1:381
M	I	D	M	I	D	M	I	D	M	I	D	M	I	D	M	I	D	
7.0	42.0	39.0	27.0	42.0	39.0	26.0	42.0	39.0	27.0	42.0	39.0	27.0	42.0	39.0	27.0	42.0	39.0	27
1.7	45.0	45.0	34.2	45.0	45.0	31.1	45.0	45.0	34.1	45.0	45.0	33.7	45.0	45.0	32.9	45.0	45.0	31
+09	6.94e+09	6.94e+09	2.36e+09	2.36e+09	2.36e+09	8.21e+09	8.21e+09	8.21e+09	2.79e+09	2.79e+09	2.79e+09	2.98e+09	2.98e+09	2.98e+09	5.04e+09	5.04e+09	5.04e+09	6.78e+(
+07	4.25e+05	8.55e+05	5.14e+06	1.40e+05	2.88e+05	1.85e+07	5.34e+05	1.03e+06	5.88e+06	1.63e+05	3.35e+05	6.49e+06	1.72e+05	3.57e+05	1.07e+07	3.12e+05	6.11e+05	1.49e+(

Error rates by event type and initial quality score