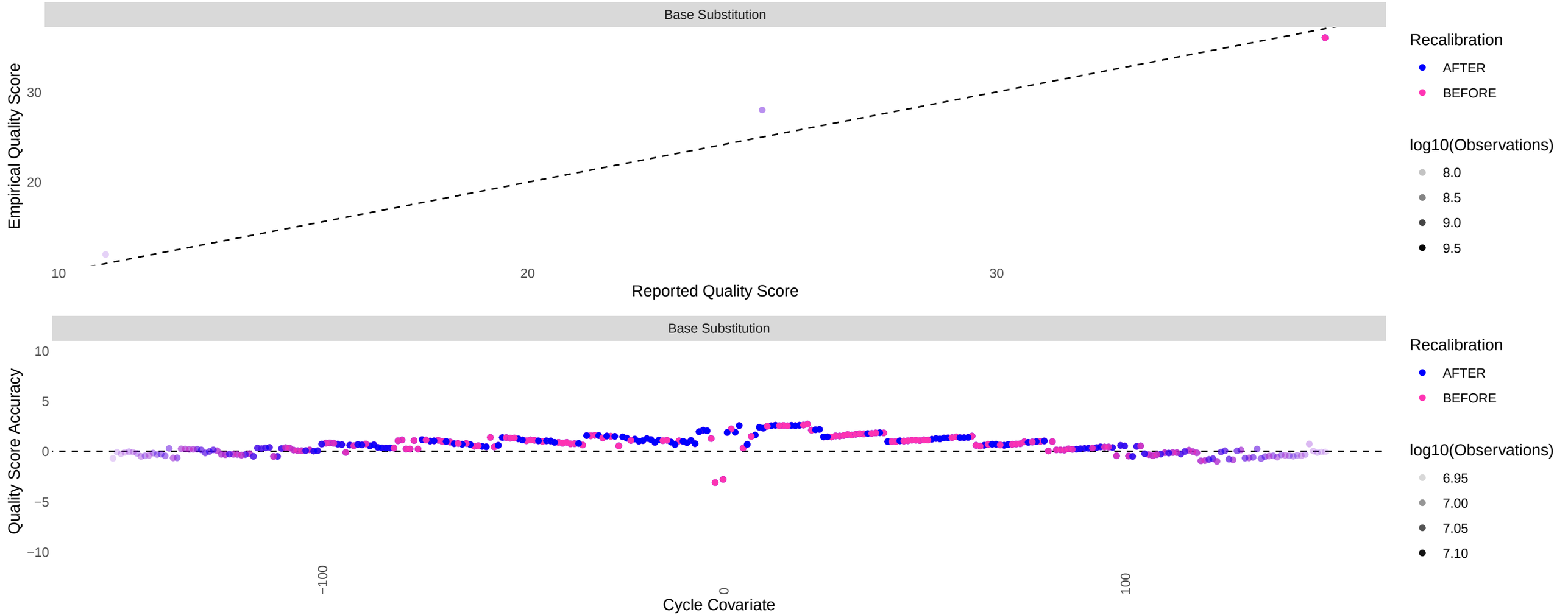
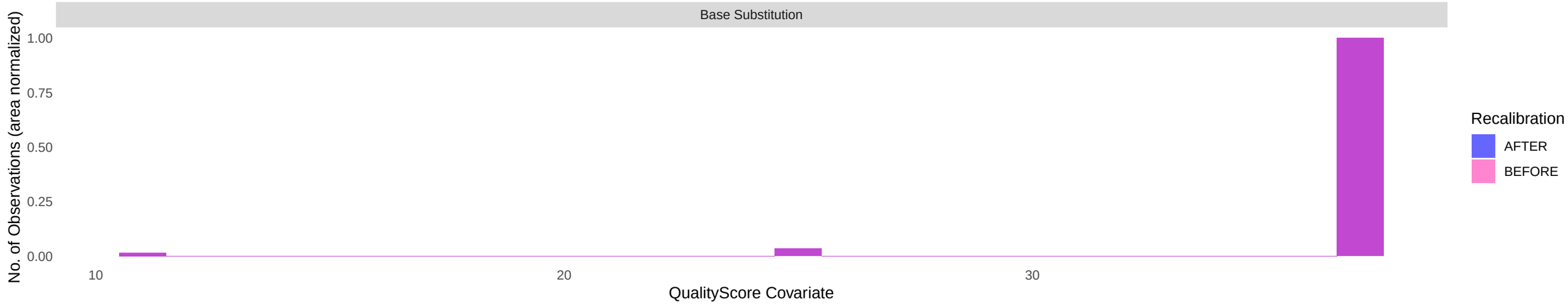
Argument	Value
binary_tag_name	None
covariate	ReadGroup,QualityScore,Context,Cycle
default_platform	None
deletions_default_quality	45
force_platform	None
indels_context_size	3
insertions_default_quality	45
low_quality_tail	2
maximum_cycle_value	500
mismatches_context_size	2
mismatches_default_quality	−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
Empirical Quality Score
30
20
10
20
30
Reported Quality Score
Recalibration
AFTER
BEFORE
log10(Observations)
8.0
8.5
9.0
9.5
Base Substitution
Quality Score Accuracy
10
5
0
−5
−10
−100
0
100
Cycle Covariate
Recalibration
AFTER
BEFORE
log10(Observations)
6.95
7.00
7.05
7.10
Base Substitution
Quality Score Accuracy
10
5
0
−5
−10
AA
AC
AG
AT
CA
CC
CG
CT
GA
GC
GG
GT
TA
TC
TG
TT
Context Covariate (3 base suffix)
log10(Observations)
7.9
8.0
8.1
8.2
8.3
8.4
Recalibration
AFTER
BEFORE


Base Substitution
No. of Observations (area normalized)
1.00
0.75
0.50
0.25
0.00
10
20
30
QualityScore Covariate
Recalibration
AFTER
BEFORE

Base Substitution
Mean Quality Score
40
30
20
10
0
−100
0
100
Cycle Covariate
Recalibration
AFTER
BEFORE
log10(Observations)
6.95
7.00
7.05
7.10
Base Substitution
Mean Quality Score
29
28
AA
AC
AG
AT
CA
CC
CG
CT
GA
GC
GG
GT
TA
TC
TG
TT
Context Covariate (3 base suffix)
log10(Observations)
7.9
8.0
8.1
8.2
8.3
8.4
Recalibration
AFTER
BEFORE

Overall error rates by event type

ReadGroup	unit1
EventType	M
EmpiricalQuality	29.0
EstimatedQReported	28.4
Observations	3.60e+09
Errors	4.77e+06

Error rates by event type and initial quality score

ReadGroup	QualityScore	EventType	EmpiricalQuality	Observations	Errors
unit1	11	M	12	52755188	3655262
unit1	25	M	28	118402776	206258
unit1	37	M	36	3425210249	906395