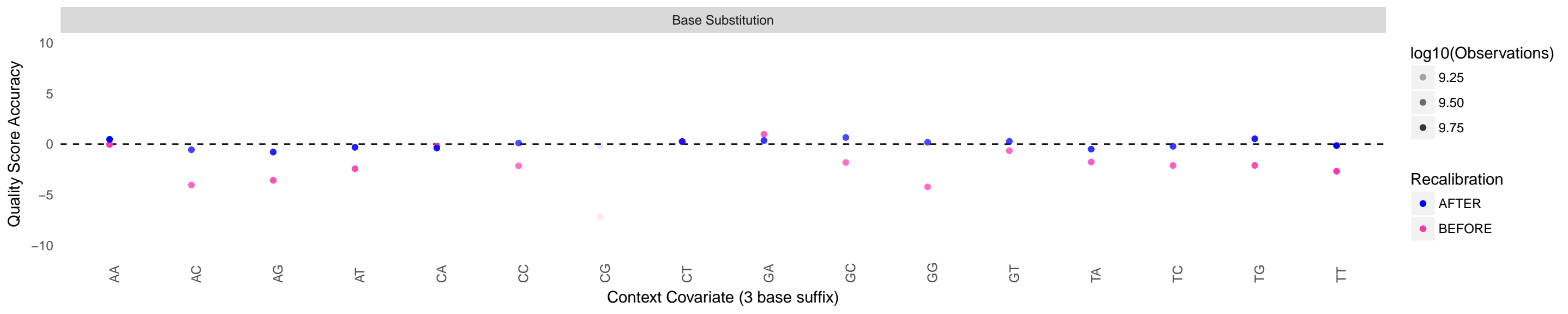
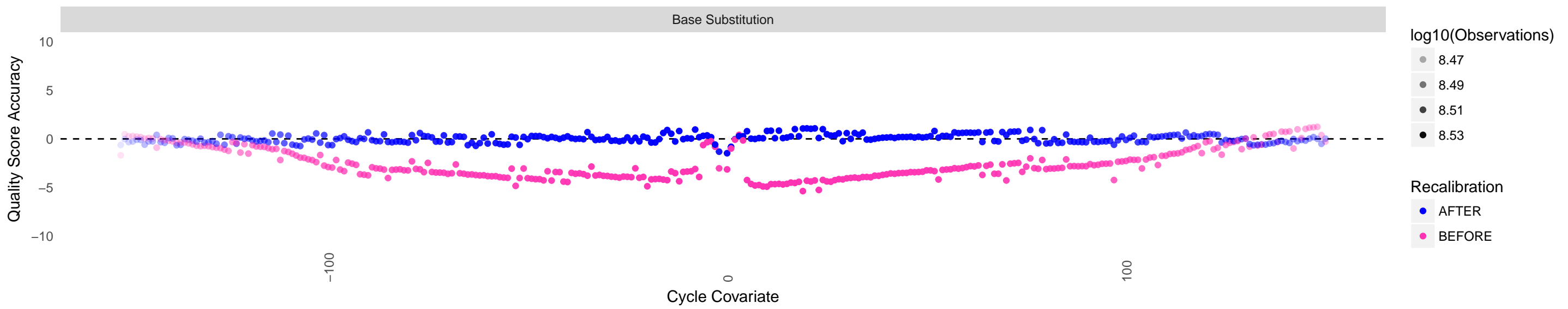
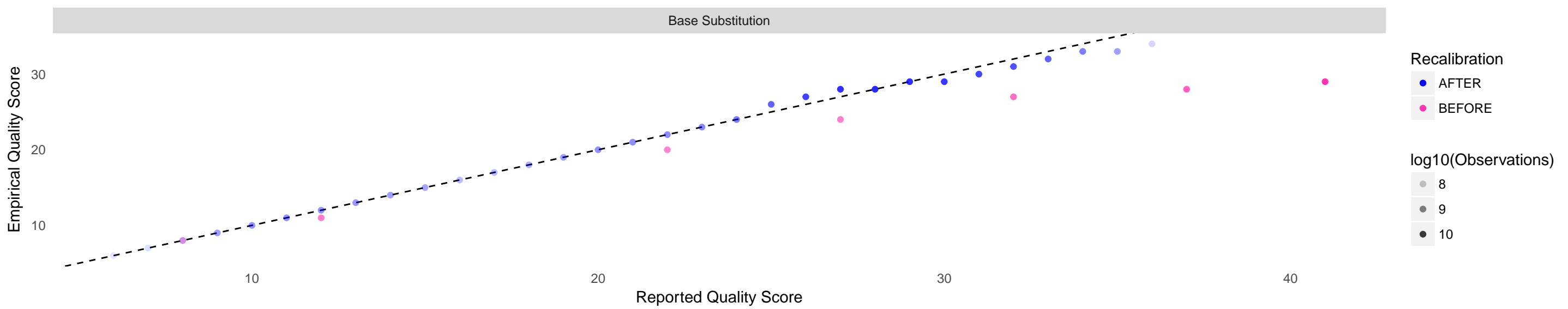
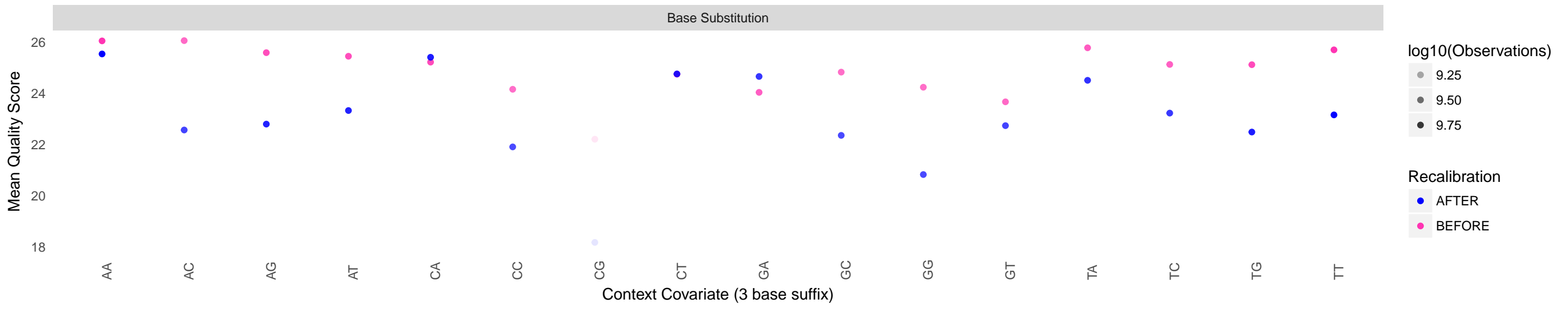
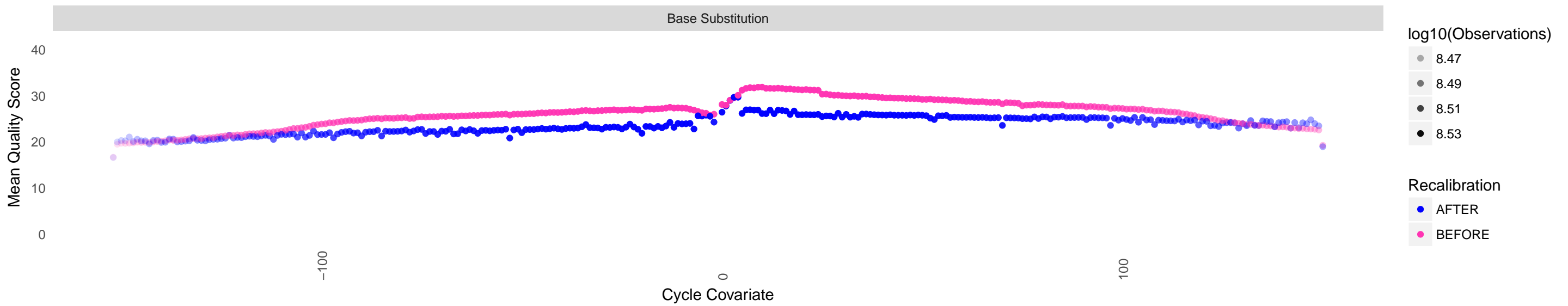
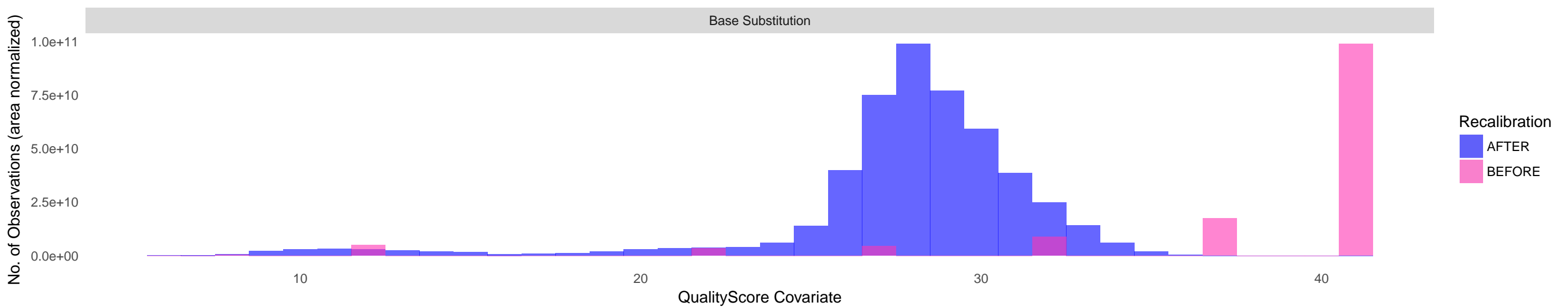


| Argument | Value |
|----------------------------|--------------------------------------|
| binary_tag_name | None |
| covariate | ReadGroup,QualityScore,Context,Cycle |
| default_platform | None |
| deletions_default_quality | 45 |
| force_platform | None |
| indels_context_size | 3 |
| insertions_default_quality | 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 |





Overall error rates by event type

| | |
|---------------------------|----------------------|
| ReadGroup | unpooled_duck_sample |
| EventType | M |
| EmpiricalQuality | 23.0 |
| EstimatedQReported | 25.1 |
| Observations | 9.89e+10 |
| Errors | 4.94e+08 |

Error rates by event type and initial quality score

| ReadGroup | QualityScore | EventType | EmpiricalQuality | Observations | Errors |
|----------------------|---------------------|------------------|-------------------------|---------------------|---------------|
| unpooled_duck_sample | 8 | M | 8 | 321468943 | 46597804 |
| unpooled_duck_sample | 12 | M | 11 | 3548603820 | 281042012 |
| unpooled_duck_sample | 22 | M | 20 | 2446887970 | 23139778 |
| unpooled_duck_sample | 27 | M | 24 | 3264413476 | 11907492 |
| unpooled_duck_sample | 32 | M | 27 | 6239124976 | 13425760 |
| unpooled_duck_sample | 37 | M | 28 | 12526179103 | 20492996 |
| unpooled_duck_sample | 41 | M | 29 | 70568736172 | 97264689 |