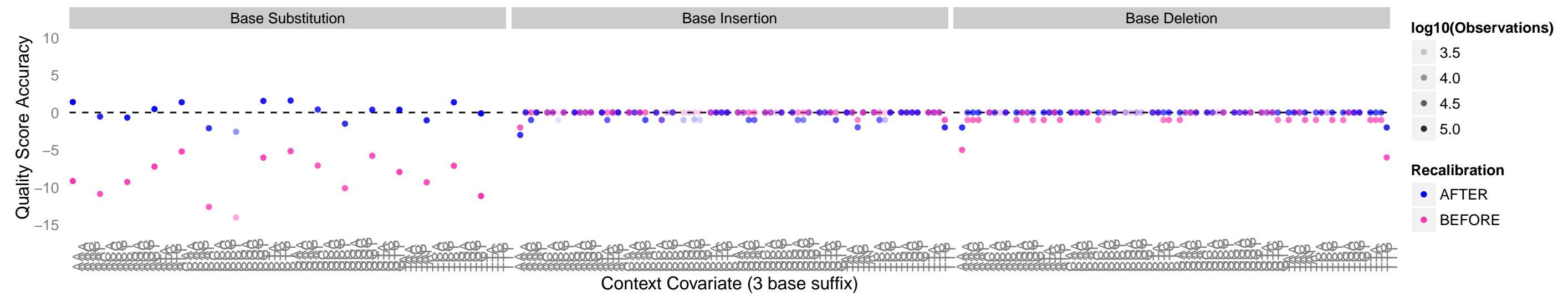
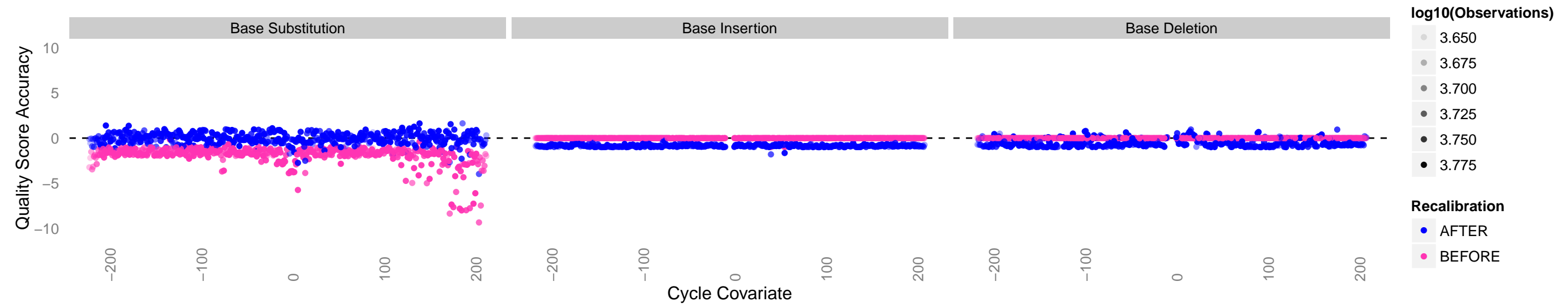
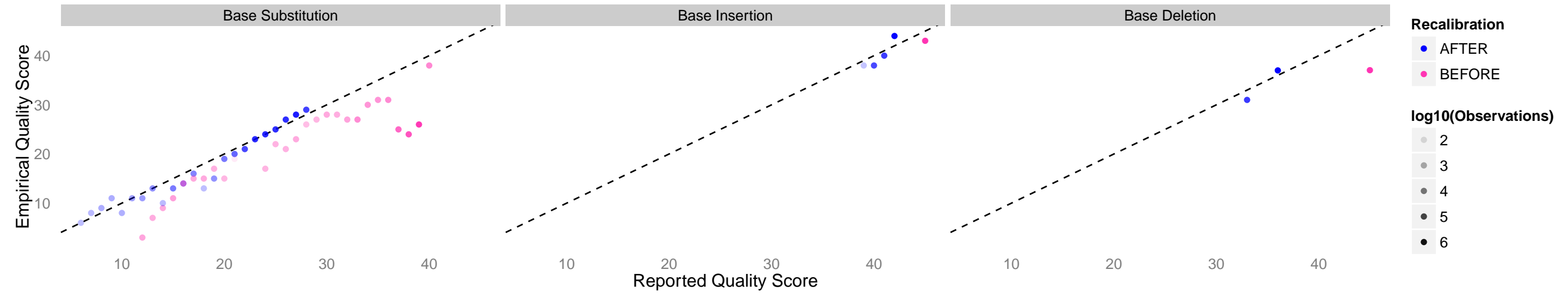
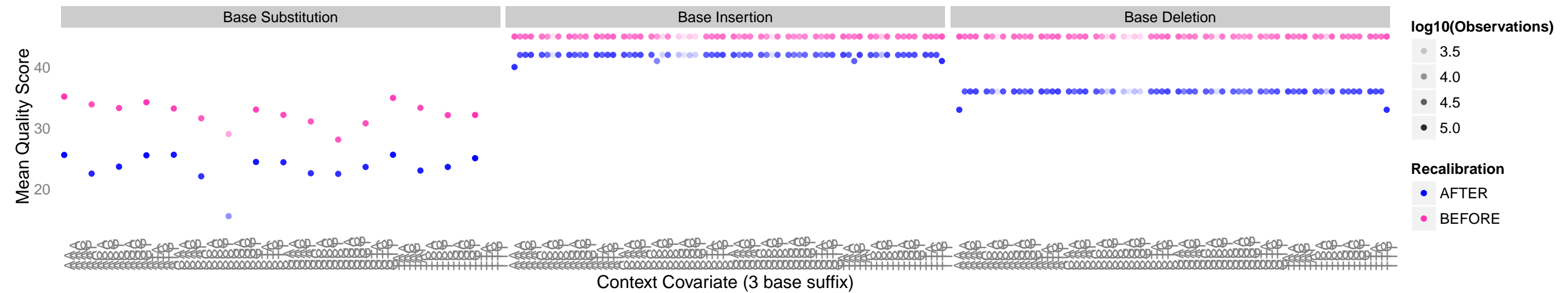
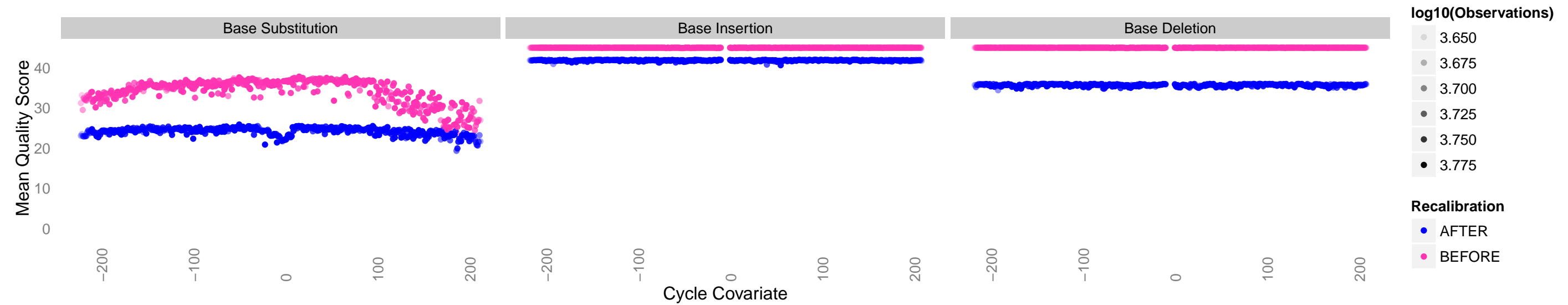
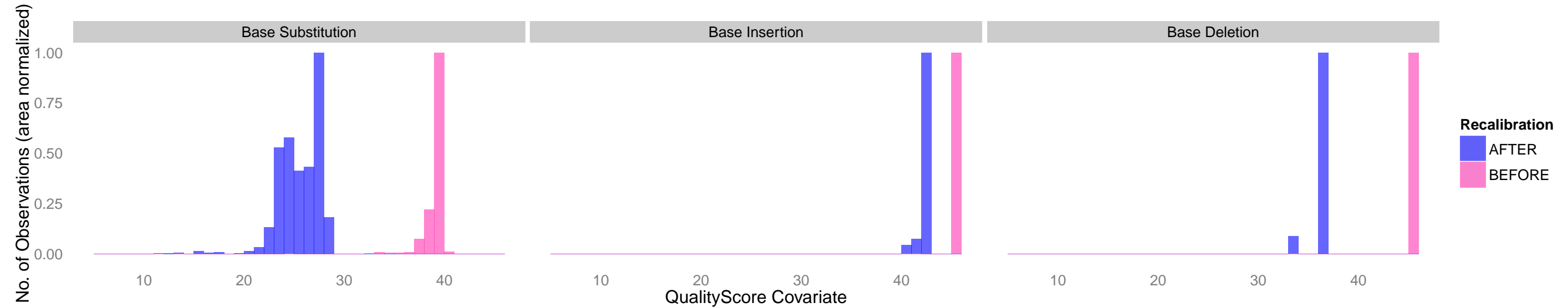


| Argument | Value |
|----------------------------|--------------------------------------|
| binary_tag_name | None |
| covariate | ReadGroup,QualityScore,Context,Cycle |
| default_platform | None |
| deletions_default_quality | 45 |
| force_platform | None |
| indels_context_size | 3 |
| insertions_default_quality | 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 | M01600:44:1 | M01600:44:1 | M01600:44:1 |
|---------------------------|--------------------|--------------------|--------------------|
| EventType | M | I | D |
| EmpiricalQuality | 23.0 | 43.0 | 37.0 |
| EstimatedQReported | 32.6 | 45.0 | 45.0 |
| Observations | 2.51e+06 | 2.51e+06 | 2.51e+06 |
| Errors | 1.31e+04 | 1.58e+02 | 6.90e+02 |

Error rates by event type and initial quality score

| ReadGroup | QualityScore | EventType | EmpiricalQuality | Observations | Errors |
|------------------|---------------------|------------------|-------------------------|---------------------|---------------|
| M01600:44:1 | 12 | M | 3 | 4015 | 2012.32 |
| M01600:44:1 | 13 | M | 7 | 2722 | 639.52 |
| M01600:44:1 | 14 | M | 9 | 3471 | 491.12 |
| M01600:44:1 | 15 | M | 11 | 5584 | 493.66 |
| M01600:44:1 | 16 | M | 14 | 5156 | 266.14 |
| M01600:44:1 | 17 | M | 15 | 3505 | 161.90 |
| M01600:44:1 | 18 | M | 15 | 3133 | 167.57 |
| M01600:44:1 | 19 | M | 17 | 2212 | 77.34 |
| M01600:44:1 | 20 | M | 15 | 1473 | 135.75 |
| M01600:44:1 | 21 | M | 19 | 78 | 31.33 |
| M01600:44:1 | 24 | M | 17 | 1766 | 161.80 |
| M01600:44:1 | 25 | M | 22 | 1995 | 70.34 |
| M01600:44:1 | 26 | M | 21 | 2051 | 102.93 |
| M01600:44:1 | 27 | M | 23 | 2989 | 74.82 |
| M01600:44:1 | 28 | M | 26 | 981 | 44.46 |
| M01600:44:1 | 29 | M | 27 | 1496 | 32.03 |
| M01600:44:1 | 30 | M | 28 | 3510 | 34.54 |
| M01600:44:1 | 31 | M | 28 | 2506 | 56.03 |
| M01600:44:1 | 32 | M | 27 | 4347 | 87.24 |
| M01600:44:1 | 33 | M | 27 | 16402 | 142.66 |
| M01600:44:1 | 34 | M | 30 | 9387 | 68.56 |
| M01600:44:1 | 35 | M | 31 | 11185 | 69.21 |
| M01600:44:1 | 36 | M | 31 | 17788 | 97.17 |
| M01600:44:1 | 37 | M | 25 | 137541 | 635.99 |
| M01600:44:1 | 38 | M | 24 | 406870 | 2066.56 |
| M01600:44:1 | 39 | M | 26 | 1837302 | 4859.31 |
| M01600:44:1 | 40 | M | 38 | 21801 | 41.59 |
| M01600:44:1 | 45 | I | 43 | 2511266 | 158.12 |
| M01600:44:1 | 45 | D | 37 | 2511266 | 689.85 |