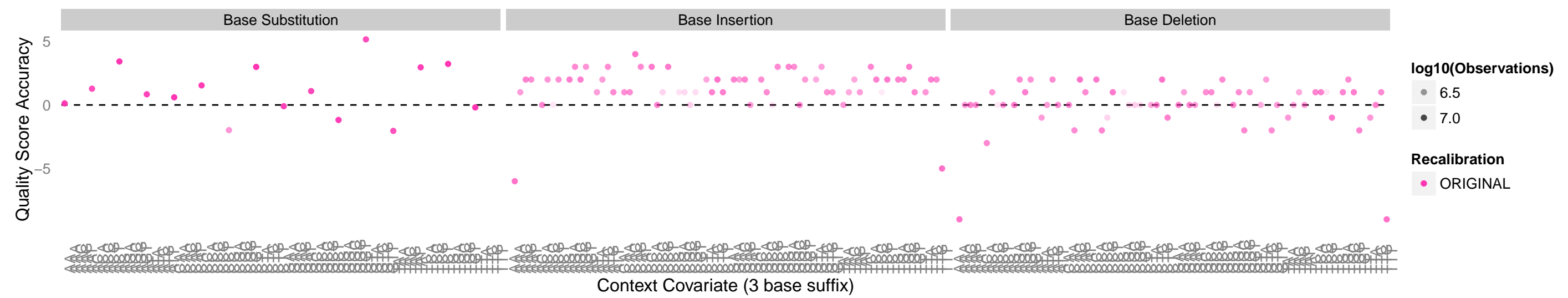
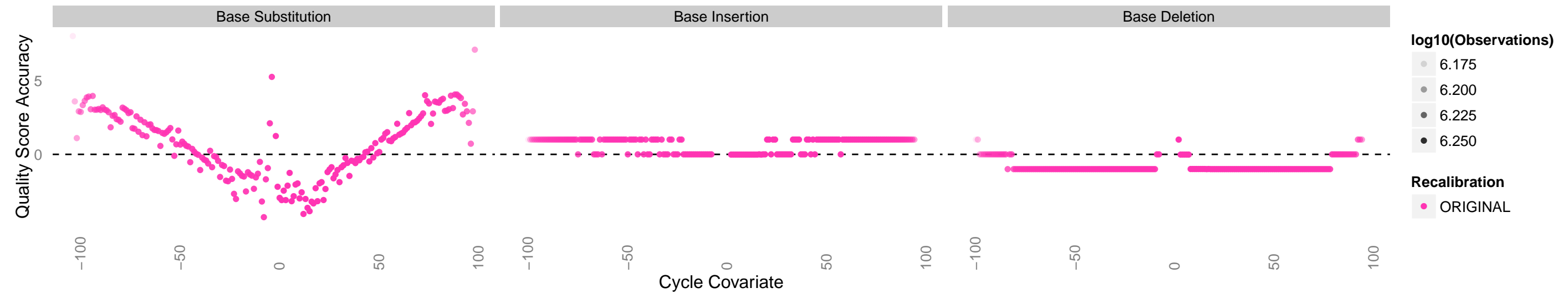
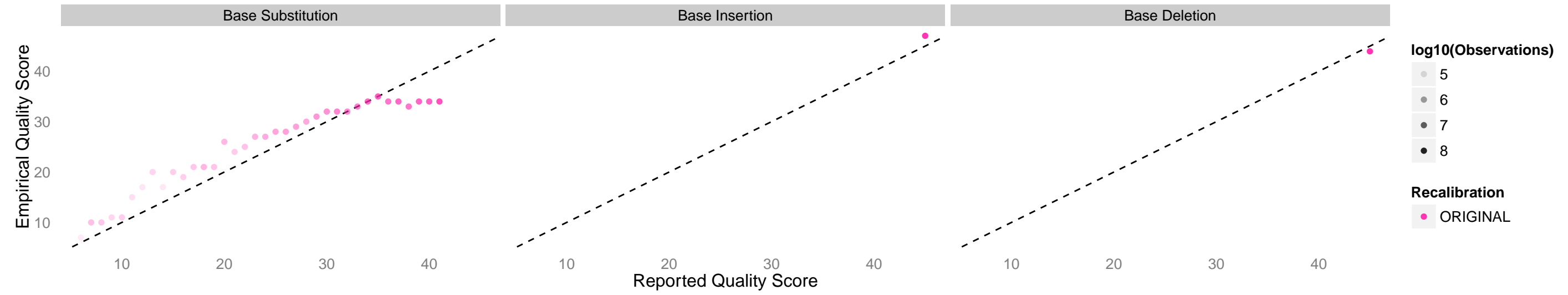
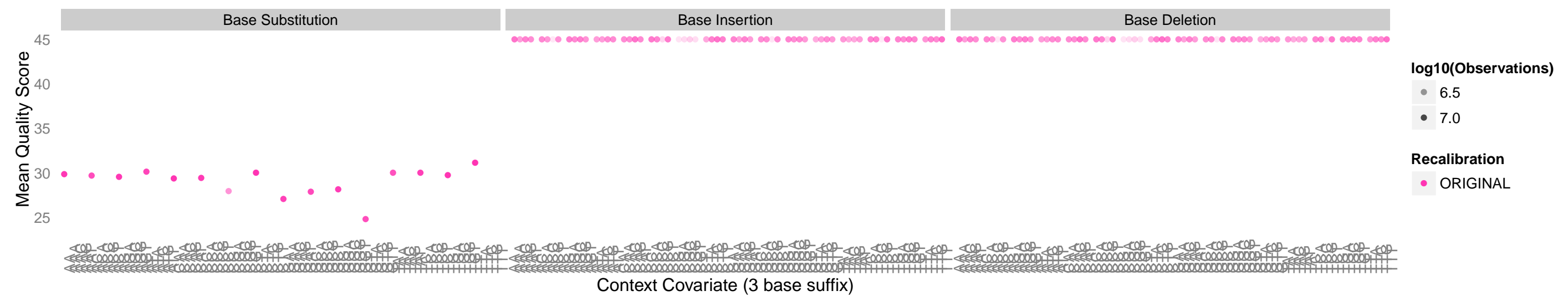
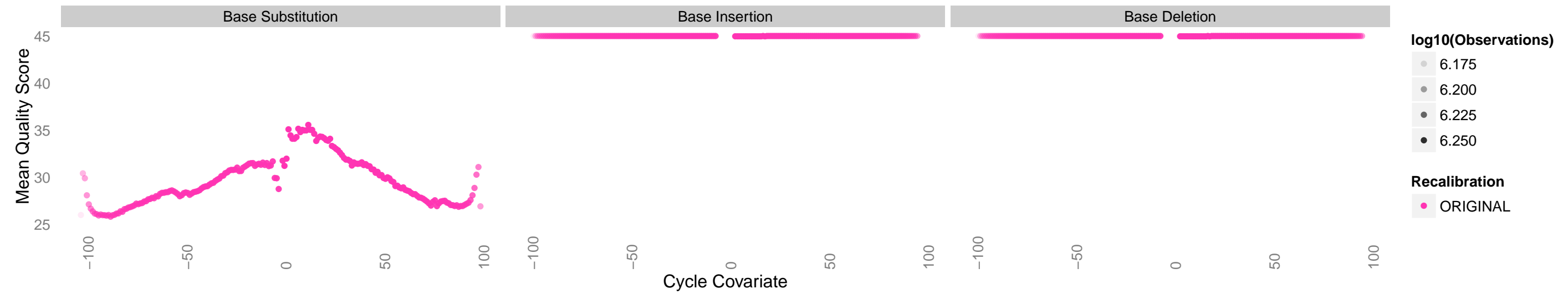
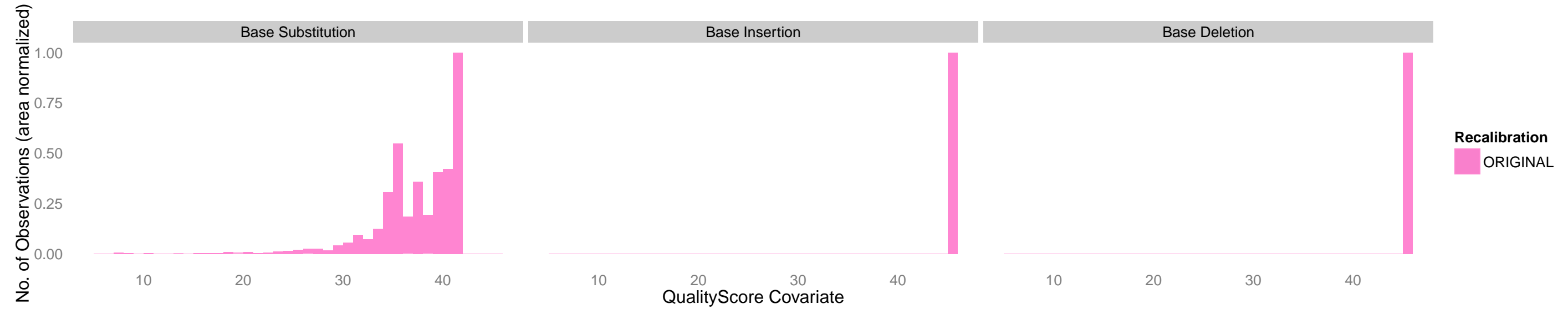


GATK BaseRecalibration report

Argument	Value
binary_tag_name	null
covariate	ReadGroupCovariate,QualityScoreCovariate,ContextCovariate,CycleCovariate
default_platform	null
deletions_default_quality	45
force_platform	null
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
plot_pdf_file	/gpfs/gsfs2/users/Udpbinfo/WES/DiploidAlign/UDP810_outputFiles/UDP810_2/UDP810_2_1/ITERATION_1/output2.pdf
quantizing_levels	16
recalibration_report	null
run_without_dbsnp	false
solid_nocall_strategy	THROW_EXCEPTION
solid_recal_mode	SET_Q_ZERO





Overall error rates by event type

ReadGroup	120112_NIOBE_D0GKWACXX.6.1955633	120112_NIOBE_D0GKWACXX.6.1955633	120112_NIOBE_D0GKWACXX.6.1955633
Event Type	M	I	D
Empirical Quality	30.0	47.0	44.0
Estimated Q Reported	29.0	45.0	45.0
Observations	3.67e+08	3.67e+08	3.67e+08
Errors	3.58e+05	7.87e+03	1.57e+04

Error rates by event type and initial quality score

ReadGroup	QualityScore	EventType	EmpiricalQuality	Observations	Errors
120112_NIOBE_D0GKWACXX.6.1955633	6	M	7	81785	15036.04
120112_NIOBE_D0GKWACXX.6.1955633	7	M	10	601917	61213.15
120112_NIOBE_D0GKWACXX.6.1955633	8	M	10	403107	40750.86
120112_NIOBE_D0GKWACXX.6.1955633	9	M	11	192068	16999.04
120112_NIOBE_D0GKWACXX.6.1955633	10	M	11	315222	24759.94
120112_NIOBE_D0GKWACXX.6.1955633	11	M	15	144499	4536.98
120112_NIOBE_D0GKWACXX.6.1955633	12	M	17	107219	2290.23
120112_NIOBE_D0GKWACXX.6.1955633	13	M	20	213034	2168.36
120112_NIOBE_D0GKWACXX.6.1955633	14	M	17	91571	1635.01
120112_NIOBE_D0GKWACXX.6.1955633	15	M	20	306617	2959.66
120112_NIOBE_D0GKWACXX.6.1955633	16	M	19	272925	3798.73
120112_NIOBE_D0GKWACXX.6.1955633	17	M	21	399187	3417.61
120112_NIOBE_D0GKWACXX.6.1955633	18	M	21	898675	7399.40
120112_NIOBE_D0GKWACXX.6.1955633	19	M	21	489701	3982.68
120112_NIOBE_D0GKWACXX.6.1955633	20	M	26	846568	2024.96
120112_NIOBE_D0GKWACXX.6.1955633	21	M	24	318102	1254.64
120112_NIOBE_D0GKWACXX.6.1955633	22	M	25	531187	1541.67
120112_NIOBE_D0GKWACXX.6.1955633	23	M	27	1069397	2121.74
120112_NIOBE_D0GKWACXX.6.1955633	24	M	27	1357066	2761.90
120112_NIOBE_D0GKWACXX.6.1955633	25	M	28	1929902	3326.63
120112_NIOBE_D0GKWACXX.6.1955633	26	M	28	2252569	3381.14
120112_NIOBE_D0GKWACXX.6.1955633	27	M	29	2432404	3276.53
120112_NIOBE_D0GKWACXX.6.1955633	28	M	30	1545588	1567.72
120112_NIOBE_D0GKWACXX.6.1955633	29	M	31	3904143	3029.25
120112_NIOBE_D0GKWACXX.6.1955633	30	M	32	5237540	3478.77
120112_NIOBE_D0GKWACXX.6.1955633	31	M	32	8620074	5326.55
120112_NIOBE_D0GKWACXX.6.1955633	32	M	32	6735698	3887.64
120112_NIOBE_D0GKWACXX.6.1955633	33	M	33	11520011	5440.32
120112_NIOBE_D0GKWACXX.6.1955633	34	M	34	28200999	11639.88
120112_NIOBE_D0GKWACXX.6.1955633	35	M	35	50408249	15390.49
120112_NIOBE_D0GKWACXX.6.1955633	36	M	34	16942502	6070.70
120112_NIOBE_D0GKWACXX.6.1955633	37	M	34	33106490	12853.02
120112_NIOBE_D0GKWACXX.6.1955633	38	M	33	17695264	8208.46
120112_NIOBE_D0GKWACXX.6.1955633	39	M	34	37320826	14040.33
120112_NIOBE_D0GKWACXX.6.1955633	40	M	34	38914508	16096.46
120112_NIOBE_D0GKWACXX.6.1955633	41	M	34	92047219	40518.06
120112_NIOBE_D0GKWACXX.6.1955633	45	I	47	367453833	7870.80
120112_NIOBE_D0GKWACXX.6.1955633	45	D	44	367453833	15694.61