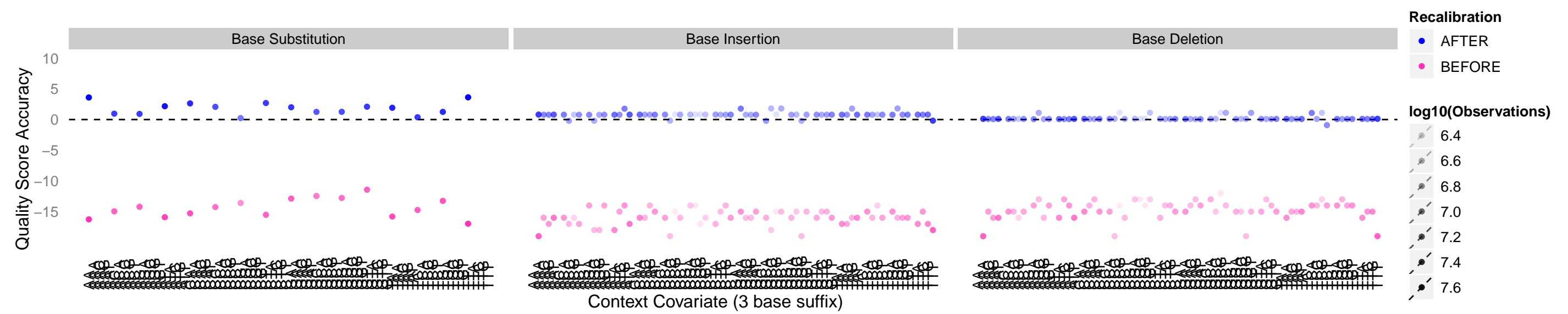
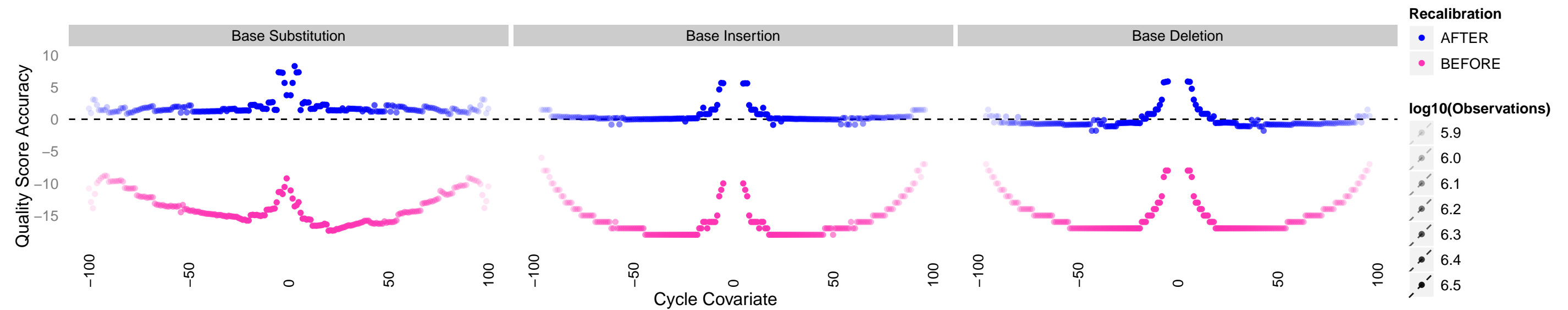
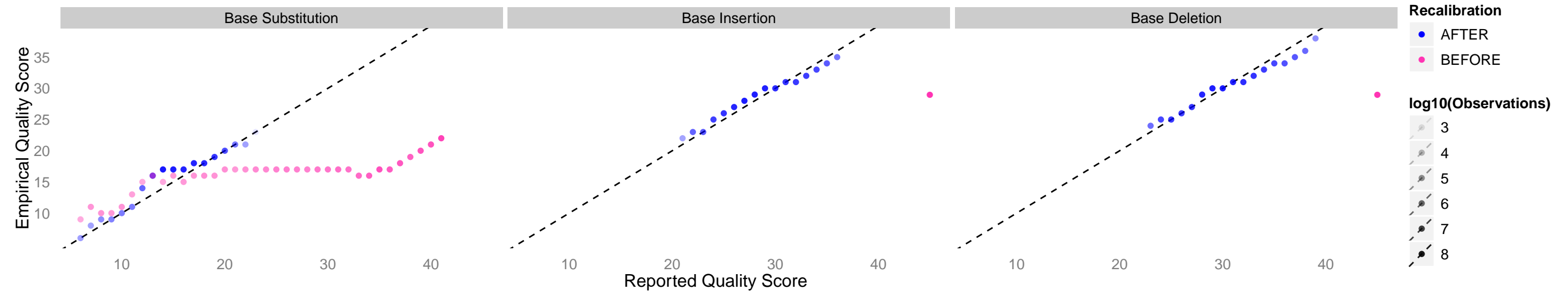
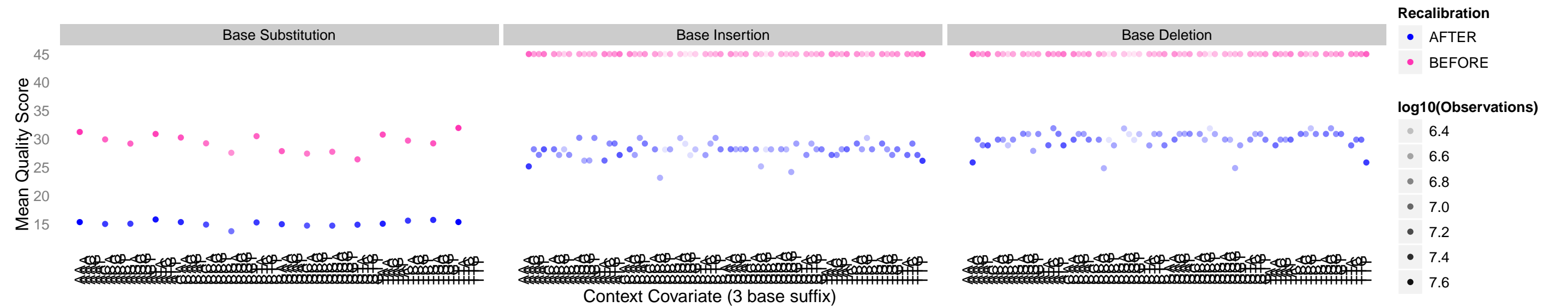
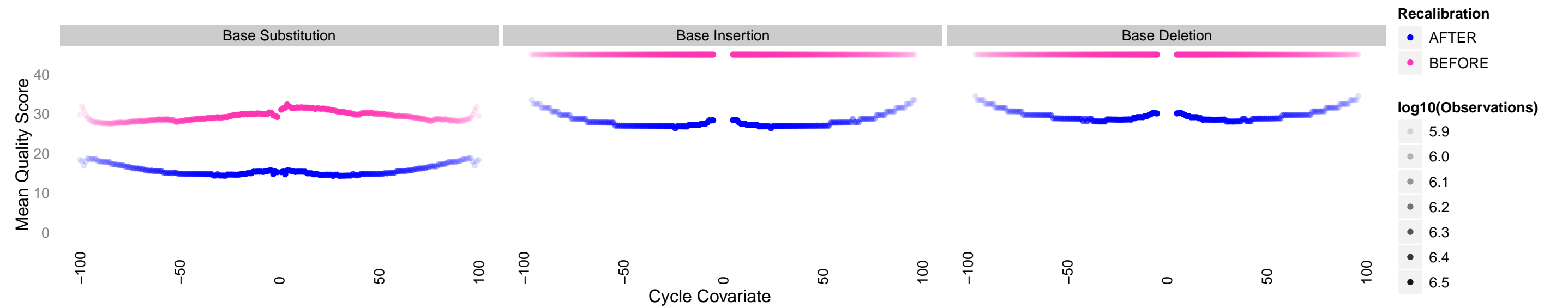
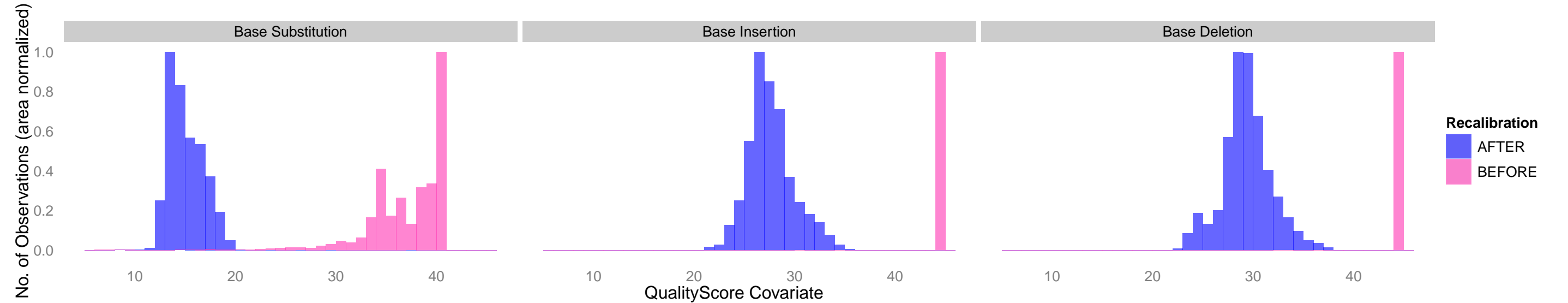


Argument	Value
binary_tag_name	None
covariate	ReadGroup,QualityScore,Context,Cycle
default_platform	None
deletions_default_quality	45
force_platform	None
indels_context_size	3
insertions_default_quality	45
low_quality_tail	2
maximum_cycle_value	500
mismatches_context_size	2
mismatches_default_quality	-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	Atl_DNA68c_interleaved	Atl_DNA68c_interleaved	Atl_DNA68c_interleaved
EventType	M	I	D
EmpiricalQuality	15.0	29.0	29.0
EstimatedQReported	29.6	45.0	45.0
Observations	4.18e+08	4.18e+08	4.18e+08
Errors	1.25e+07	5.85e+05	4.76e+05

Error rates by event type and initial quality score

ReadGroup	QualityScore	EventType	EmpiricalQuality	Observations	Errors
Atl_DNA68c_interleaved	6	M	9	82083	10579.54
Atl_DNA68c_interleaved	7	M	11	402691	35884.21
Atl_DNA68c_interleaved	8	M	10	480068	46688.46
Atl_DNA68c_interleaved	9	M	10	313929	28340.92
Atl_DNA68c_interleaved	10	M	11	390922	34302.68
Atl_DNA68c_interleaved	11	M	13	169437	9173.18
Atl_DNA68c_interleaved	12	M	15	98650	2888.37
Atl_DNA68c_interleaved	13	M	16	246202	6132.11
Atl_DNA68c_interleaved	14	M	15	115471	3558.70
Atl_DNA68c_interleaved	15	M	16	324796	8829.58
Atl_DNA68c_interleaved	16	M	15	320616	10716.56
Atl_DNA68c_interleaved	17	M	16	376325	9505.54
Atl_DNA68c_interleaved	18	M	16	683987	19092.48
Atl_DNA68c_interleaved	19	M	16	484900	12967.86
Atl_DNA68c_interleaved	20	M	17	612111	11069.28
Atl_DNA68c_interleaved	21	M	17	307408	6698.60
Atl_DNA68c_interleaved	22	M	17	580001	11775.44
Atl_DNA68c_interleaved	23	M	17	843875	17028.50
Atl_DNA68c_interleaved	24	M	17	1049949	22126.86
Atl_DNA68c_interleaved	25	M	17	1584623	30403.18
Atl_DNA68c_interleaved	26	M	17	1964182	39542.76
Atl_DNA68c_interleaved	27	M	17	1840693	37951.68
Atl_DNA68c_interleaved	28	M	17	1538084	30867.76
Atl_DNA68c_interleaved	29	M	17	2983384	59301.96
Atl_DNA68c_interleaved	30	M	17	4050730	80960.01
Atl_DNA68c_interleaved	31	M	17	6463333	145088.71
Atl_DNA68c_interleaved	32	M	17	5345120	108497.35
Atl_DNA68c_interleaved	33	M	16	8665819	197125.31
Atl_DNA68c_interleaved	34	M	16	22227549	543148.57
Atl_DNA68c_interleaved	35	M	17	55070266	1232707.00
Atl_DNA68c_interleaved	36	M	17	23456808	555900.63
Atl_DNA68c_interleaved	37	M	18	35384235	855653.67
Atl_DNA68c_interleaved	38	M	19	17639892	554130.15
Atl_DNA68c_interleaved	39	M	20	42616361	1206214.60
Atl_DNA68c_interleaved	40	M	21	44995622	1538024.80
Atl_DNA68c_interleaved	41	M	22	133884037	4943072.24
Atl_DNA68c_interleaved	45	I	29	417594159	584792.51
Atl_DNA68c_interleaved	45	D	29	417594159	475505.33