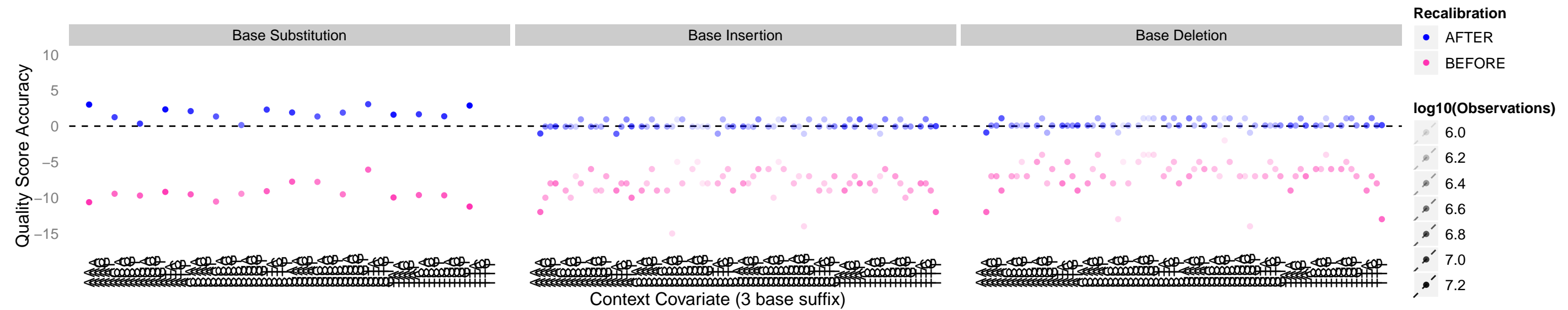
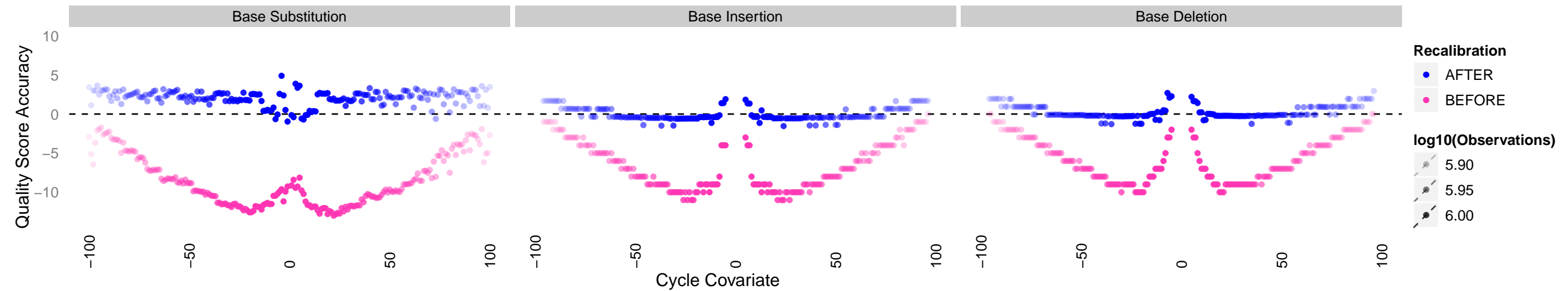
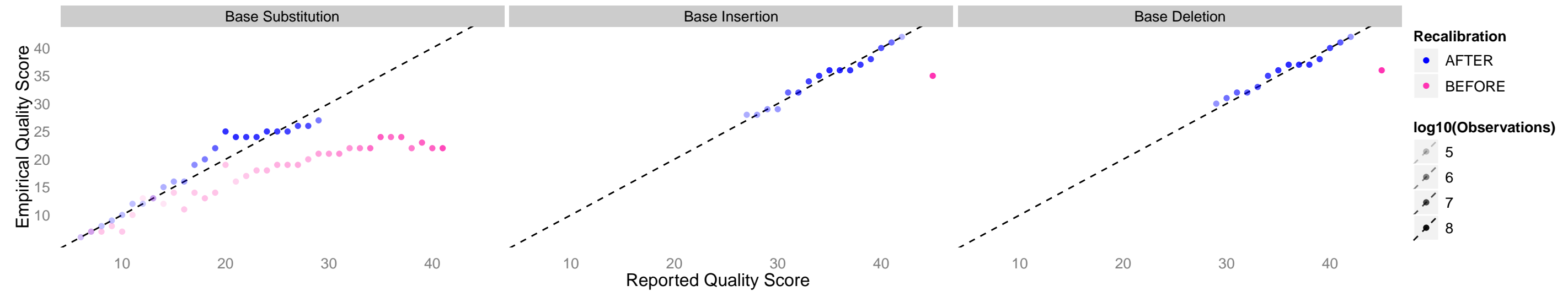
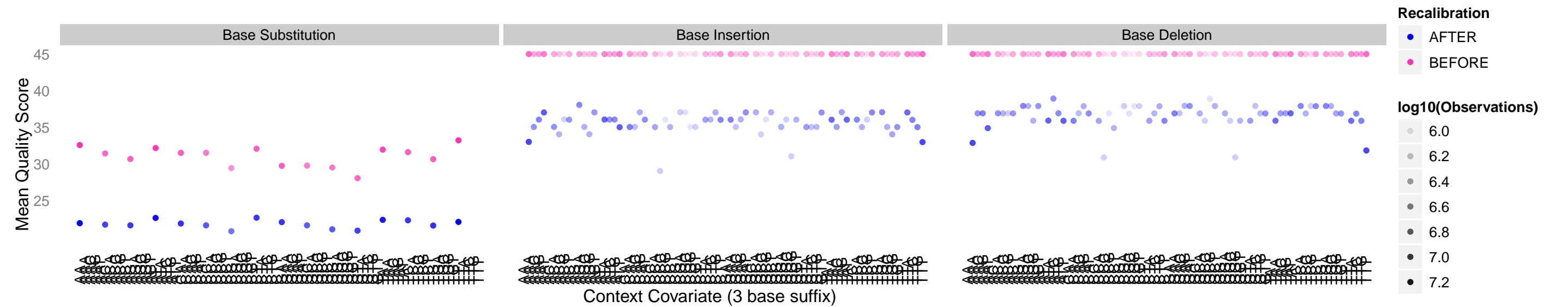
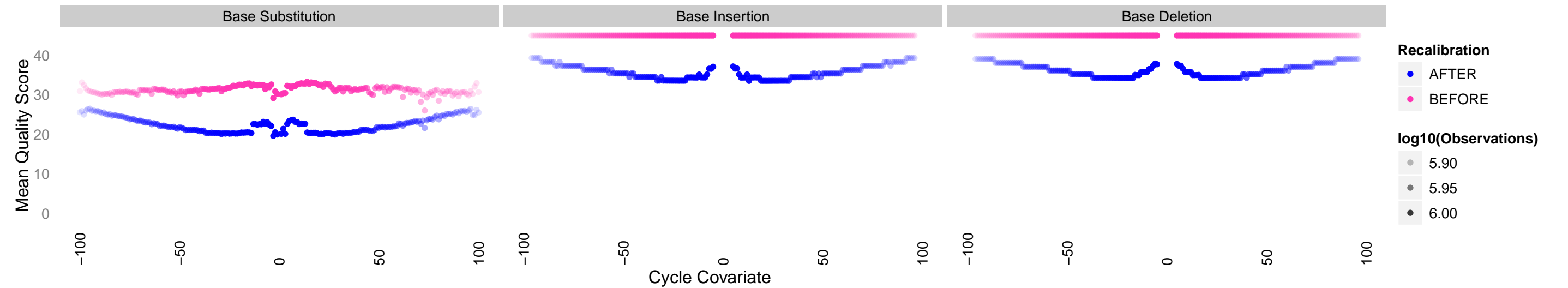
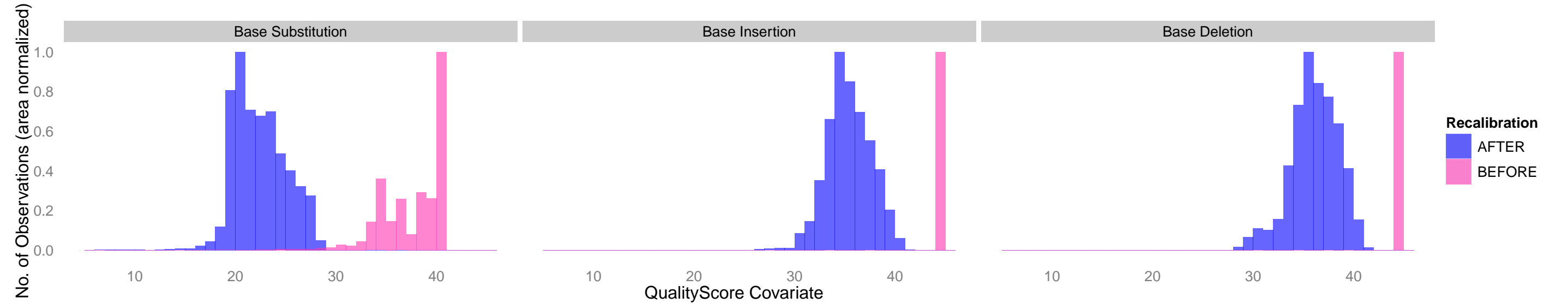


Argument	Value
binary_tag_name	None
covariate	ReadGroup,QualityScore,Context,Cycle
default_platform	None
deletions_default_quality	45
force_platform	None
indels_context_size	3
insertions_default_quality	45
low_quality_tail	2
maximum_cycle_value	500
mismatches_context_size	2
mismatches_default_quality	-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	Cal_BB033_interleaved	Cal_BB033_interleaved	Cal_BB033_interleaved
EventType	M	I	D
EmpiricalQuality	22.0	35.0	36.0
EstimatedQReported	31.2	45.0	45.0
Observations	1.86e+08	1.86e+08	1.86e+08
Errors	1.26e+06	5.34e+04	4.48e+04

# Error rates by event type and initial quality score

ReadGroup	QualityScore	EventType	EmpiricalQuality	Observations	Errors
Cal_BB033_interleaved	6	M	6	22757	6224.53
Cal_BB033_interleaved	7	M	7	104303	20847.79
Cal_BB033_interleaved	8	M	7	140733	29737.43
Cal_BB033_interleaved	9	M	8	102530	17124.02
Cal_BB033_interleaved	10	M	7	118310	22188.47
Cal_BB033_interleaved	11	M	10	54701	6042.34
Cal_BB033_interleaved	12	M	13	26225	1397.40
Cal_BB033_interleaved	13	M	13	64573	3328.85
Cal_BB033_interleaved	14	M	12	30073	1778.83
Cal_BB033_interleaved	15	M	14	96415	3707.57
Cal_BB033_interleaved	16	M	11	120756	8842.99
Cal_BB033_interleaved	17	M	14	121810	4491.97
Cal_BB033_interleaved	18	M	13	178303	8346.24
Cal_BB033_interleaved	19	M	14	158411	6288.48
Cal_BB033_interleaved	20	M	19	160754	1852.40
Cal_BB033_interleaved	21	M	16	66447	1714.72
Cal_BB033_interleaved	22	M	17	136855	2817.15
Cal_BB033_interleaved	23	M	18	205879	3269.76
Cal_BB033_interleaved	24	M	18	287875	4538.54
Cal_BB033_interleaved	25	M	19	411844	5744.22
Cal_BB033_interleaved	26	M	19	456098	5516.29
Cal_BB033_interleaved	27	M	19	508880	6486.23
Cal_BB033_interleaved	28	M	20	397294	3947.97
Cal_BB033_interleaved	29	M	21	802475	5913.98
Cal_BB033_interleaved	30	M	21	1079136	8014.40
Cal_BB033_interleaved	31	M	21	1884160	14480.65
Cal_BB033_interleaved	32	M	22	1509776	8854.03
Cal_BB033_interleaved	33	M	22	3126617	19936.12
Cal_BB033_interleaved	34	M	22	9737687	59913.56
Cal_BB033_interleaved	35	M	24	24598819	102463.62
Cal_BB033_interleaved	36	M	24	9962538	43823.99
Cal_BB033_interleaved	37	M	24	17637787	74172.84
Cal_BB033_interleaved	38	M	22	5502129	37634.72
Cal_BB033_interleaved	39	M	23	20039212	104253.36
Cal_BB033_interleaved	40	M	22	17970902	123963.59
Cal_BB033_interleaved	41	M	22	68258360	481569.77
Cal_BB033_interleaved	45	I	35	186081424	53446.35
Cal_BB033_interleaved	45	D	36	186081424	44826.49