# GATK BaseRecalibration report

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
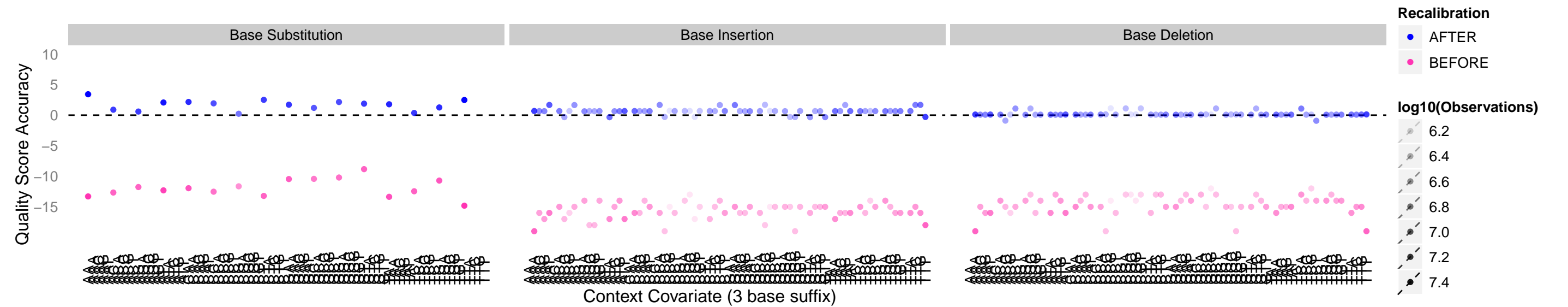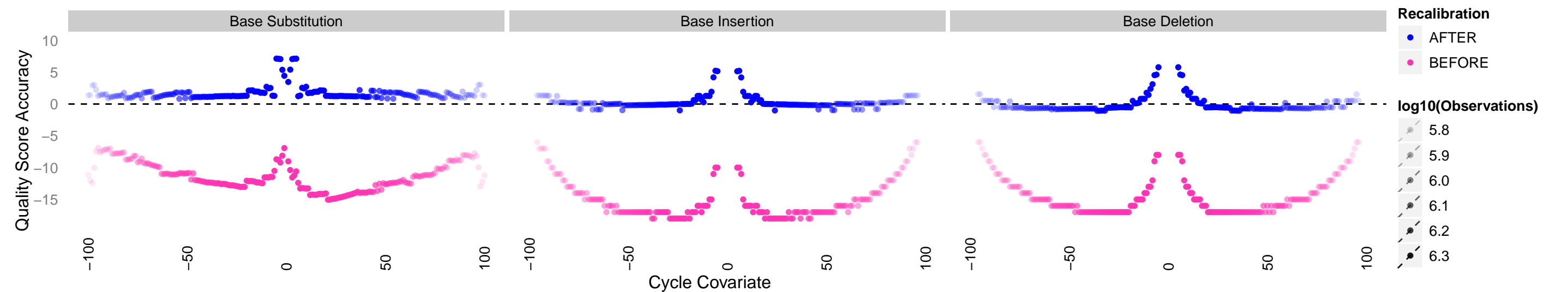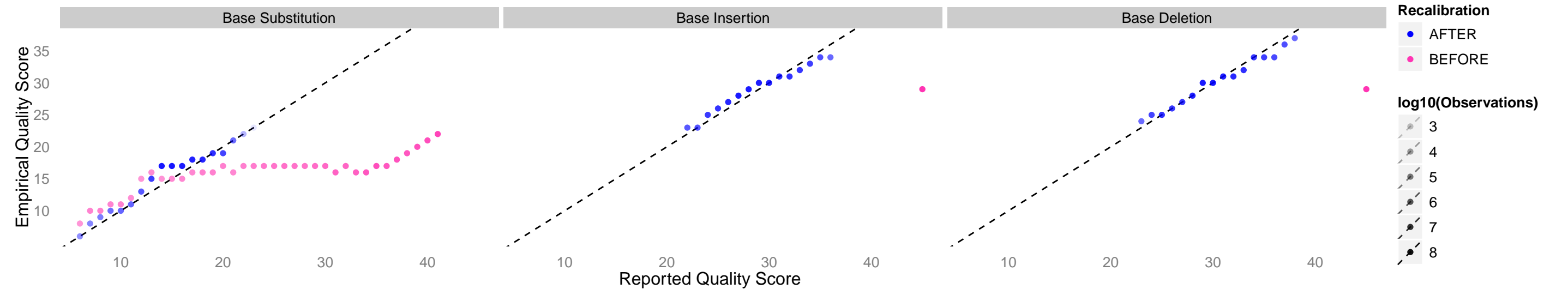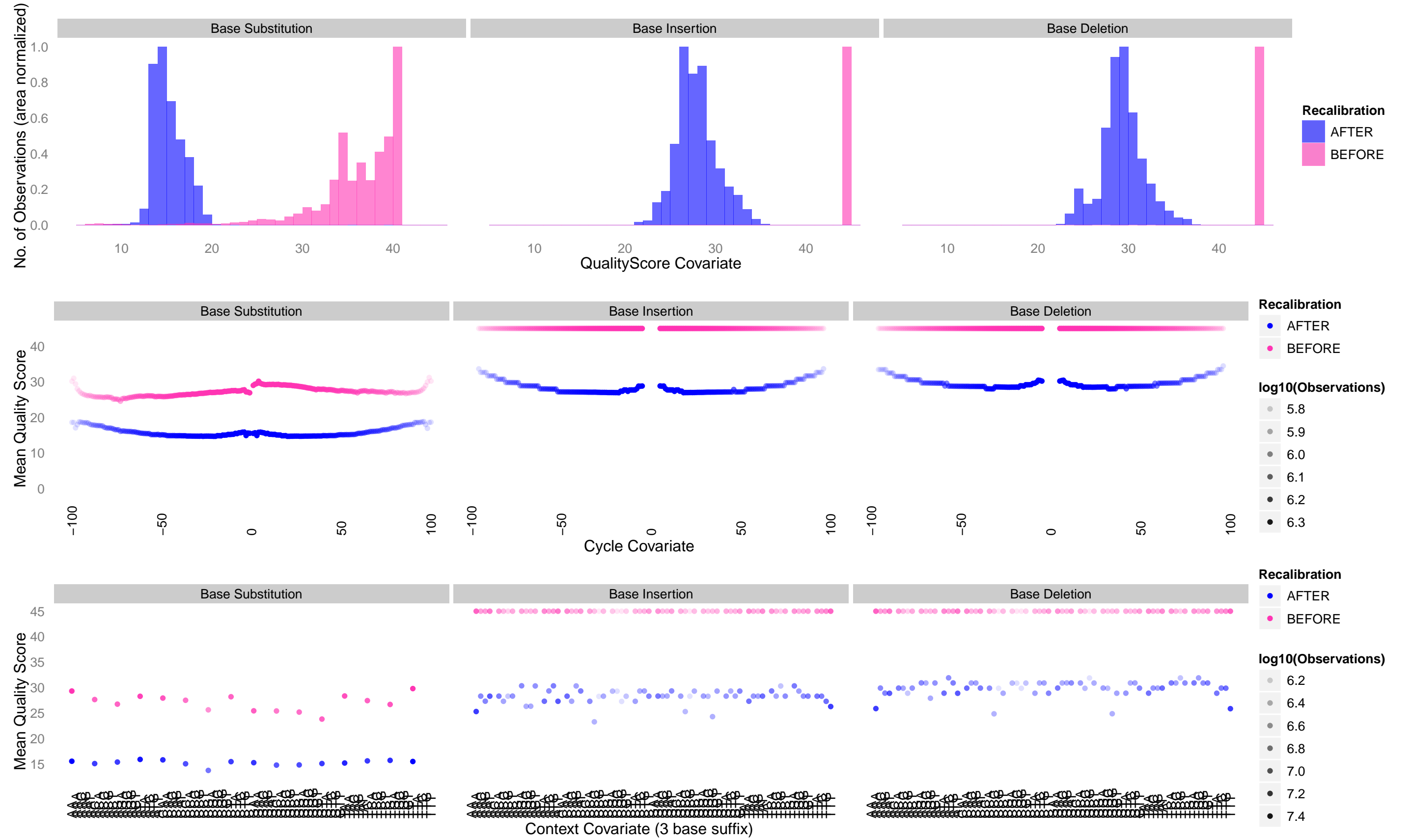
Overall error rates by event type

ReadGroup	Cal_2584_interleaved	Cal_2584_interleaved	Cal_2584_interleaved
EventType	M	I	D
EmpiricalQuality	15.0	29.0	29.0
EstimatedQReported	27.3	45.0	45.0
Observations	2.84e+08	2.84e+08	2.84e+08
Errors	8.25e+06	3.86e+05	3.28e+05

Error rates by event type and initial quality score

ReadGroup	QualityScore	EventType	EmpiricalQuality	Observations	Errors
Cal_2584_interleaved	6	M	8	105427	15927.56
Cal_2584_interleaved	7	M	10	489252	46530.74
Cal_2584_interleaved	8	M	10	650444	63343.05
Cal_2584_interleaved	9	M	11	444770	37663.63
Cal_2584_interleaved	10	M	11	497481	43093.48
Cal_2584_interleaved	11	M	12	214668	12598.80
Cal_2584_interleaved	12	M	15	105118	3484.21
Cal_2584_interleaved	13	M	16	286641	7830.99
Cal_2584_interleaved	14	M	15	139150	4862.50
Cal_2584_interleaved	15	M	15	333405	9506.63
Cal_2584_interleaved	16	M	15	371816	12207.78
Cal_2584_interleaved	17	M	16	402619	10138.17
Cal_2584_interleaved	18	M	16	816535	22005.22
Cal_2584_interleaved	19	M	16	608052	15621.81
Cal_2584_interleaved	20	M	17	620183	12282.09
Cal_2584_interleaved	21	M	16	359792	8592.87
Cal_2584_interleaved	22	M	17	694234	15027.38
Cal_2584_interleaved	23	M	17	926758	20504.50
Cal_2584_interleaved	24	M	17	1219246	27303.84
Cal_2584_interleaved	25	M	17	1707711	33771.07
Cal_2584_interleaved	26	M	17	2274937	48042.25
Cal_2584_interleaved	27	M	17	2123857	46037.58
Cal_2584_interleaved	28	M	17	1797429	38117.06
Cal_2584_interleaved	29	M	17	3214887	66786.68
Cal_2584_interleaved	30	M	17	4353932	90326.86
Cal_2584_interleaved	31	M	16	6755806	156665.67
Cal_2584_interleaved	32	M	17	5507322	115111.72
Cal_2584_interleaved	33	M	16	7947228	182789.11
Cal_2584_interleaved	34	M	16	17309436	407610.57
Cal_2584_interleaved	35	M	17	35086690	782076.84
Cal_2584_interleaved	36	M	17	16786558	412254.65
Cal_2584_interleaved	37	M	18	23824950	572258.17
Cal_2584_interleaved	38	M	19	17026860	532594.28
Cal_2584_interleaved	39	M	20	27925633	773529.82
Cal_2584_interleaved	40	M	21	33556316	1125904.66
Cal_2584_interleaved	41	M	22	67810657	2477128.49
Cal_2584_interleaved	45	I	29	284295800	386145.76
Cal_2584_interleaved	45	D	29	284295800	328360.68