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
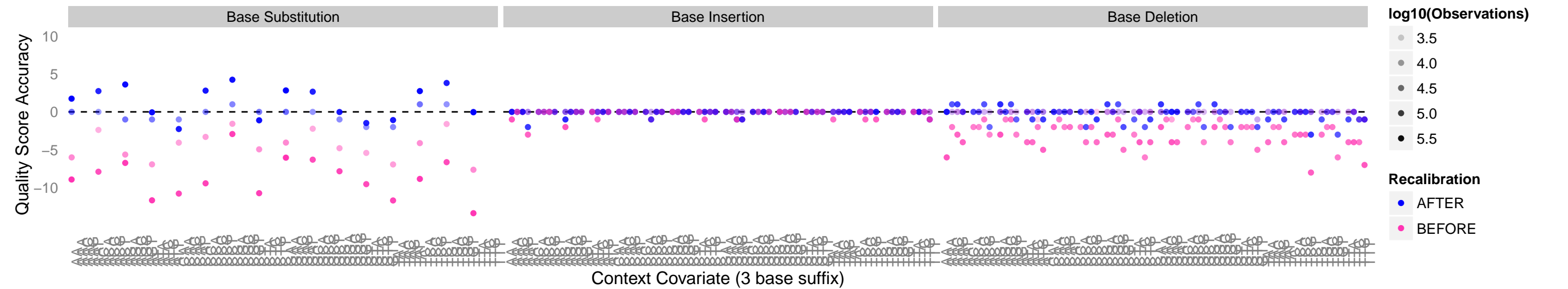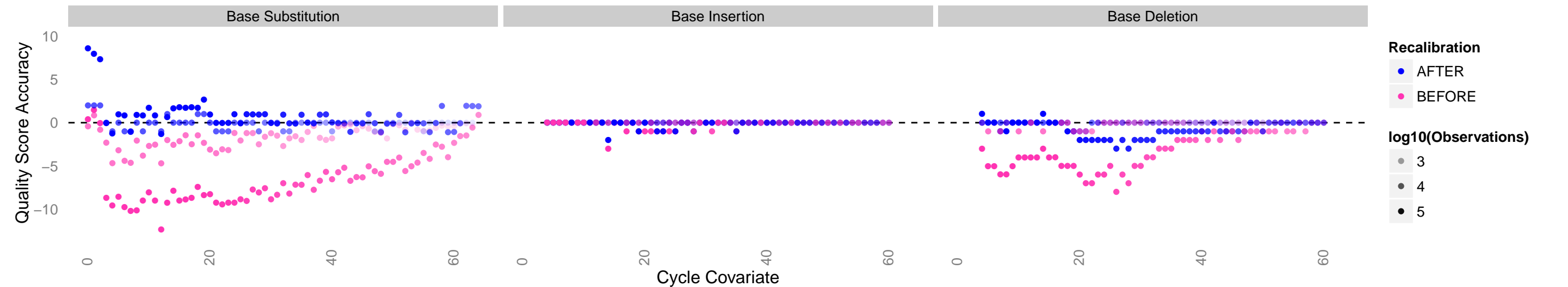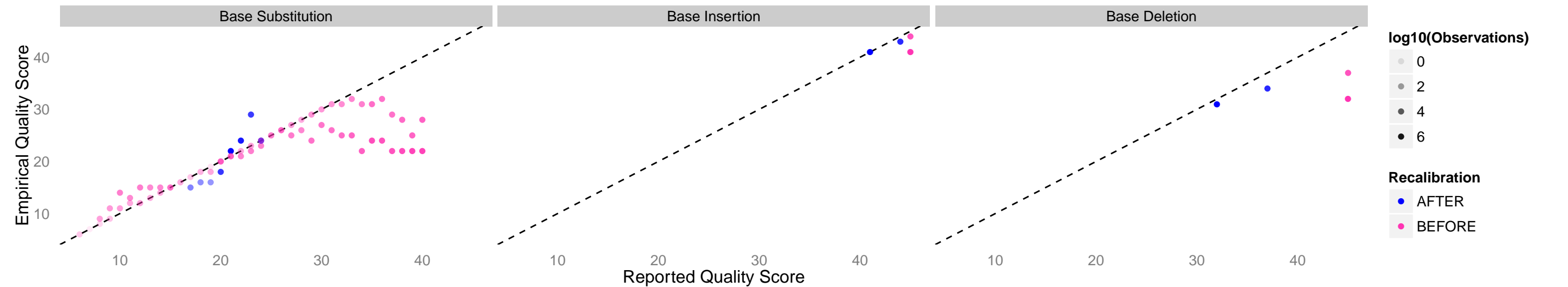
Overall error rates by event type

ReadGroup	Cflo1	Cflo1	Cflo1	Cflo2	Cflo2	Cflo2
EventType	M	I	D	M	I	D
EmpiricalQuality	22.0	41.0	32.0	24.0	44.0	37.0
EstimatedQReported	31.1	45.0	45.0	32.1	45.0	45.0
Observations	4.95e+06	4.95e+06	4.95e+06	3.49e+05	3.49e+05	3.49e+05
Errors	3.21e+04	4.23e+02	3.66e+03	1.66e+03	3.63e+01	2.00e+02

Error rates by event type and initial quality score

ReadGroup	QualityScore	EventType	EmpiricalQuality	Observations	Errors
Cflo1	6	M	6	22	2.00
Cflo1	7	M	7	1	0.00
Cflo1	8	M	10	532	44.67
Cflo1	9	M	11	933	45.62
Cflo1	10	M	14	10088	322.15
Cflo1	11	M	13	4095	163.45
Cflo1	12	M	15	10071	311.57
Cflo1	13	M	15	3430	71.01
Cflo1	14	M	15	4490	134.11
Cflo1	15	M	15	1800	44.40
Cflo1	16	M	16	34	3.17
Cflo1	17	M	17	23	0.17
Cflo1	18	M	18	132	1.20
Cflo1	19	M	18	317	12.50
Cflo1	20	M	20	13391	139.42
Cflo1	21	M	21	6108	59.26
Cflo1	22	M	21	5864	50.68
Cflo1	23	M	22	10298	82.73
Cflo1	24	M	23	7681	43.78
Cflo1	25	M	25	678	10.36
Cflo1	26	M	26	3565	15.46
Cflo1	27	M	25	13733	79.79
Cflo1	28	M	26	4598	45.66
Cflo1	29	M	24	26081	201.84
Cflo1	30	M	27	18149	95.39
Cflo1	31	M	26	26448	149.84
Cflo1	32	M	25	43112	265.63
Cflo1	33	M	25	75359	355.59
Cflo1	34	M	22	125307	928.91
Cflo1	35	M	24	554973	2369.73
Cflo1	36	M	24	374467	1788.92
Cflo1	37	M	22	365543	2599.89
Cflo1	38	M	22	676819	4592.79
Cflo1	39	M	22	1222740	8650.40
Cflo1	40	M	22	1340765	8411.39
Cflo1	45	I	41	4951647	422.53
Cflo1	45	D	32	4951647	3658.61
Cflo2	8	M	8	6	0.00
Cflo2	9	M	9	30	3.00
Cflo2	10	M	11	559	15.22
Cflo2	11	M	12	253	3.82
Cflo2	12	M	12	454	17.82
Cflo2	13	M	13	165	7.00
Cflo2	14	M	14	257	7.00
Cflo2	15	M	15	98	3.00
Cflo2	16	M	16	2	0.00
Cflo2	19	M	19	2	0.00
Cflo2	20	M	20	548	3.37
Cflo2	21	M	21	368	2.33
Cflo2	22	M	22	340	4.69
Cflo2	23	M	23	539	2.25
Cflo2	24	M	24	453	6.58
Cflo2	25	M	25	43	0.00
Cflo2	26	M	26	237	2.44
Cflo2	27	M	27	788	2.48
Cflo2	28	M	28	223	2.32
Cflo2	29	M	29	1667	7.76
Cflo2	30	M	30	1067	3.34
Cflo2	31	M	31	1687	6.53
Cflo2	32	M	31	2516	16.41
Cflo2	33	M	32	4774	16.84
Cflo2	34	M	31	8052	51.72
Cflo2	35	M	31	36040	96.91
Cflo2	36	M	32	26152	89.12
Cflo2	37	M	29	27999	162.99
Cflo2	38	M	28	51002	256.72
Cflo2	39	M	25	83007	488.27
Cflo2	40	M	28	99212	379.36
Cflo2	45	I	44	348540	36.32
Cflo2	45	D	37	348540	199.55