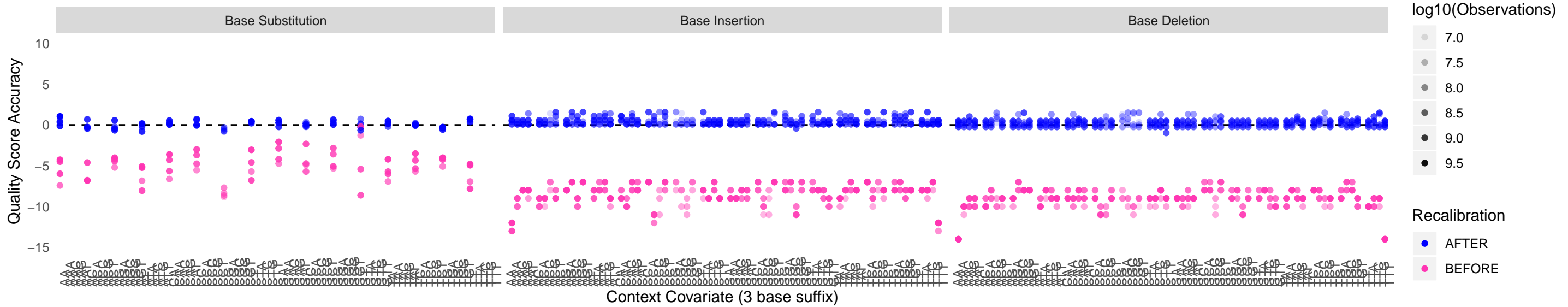
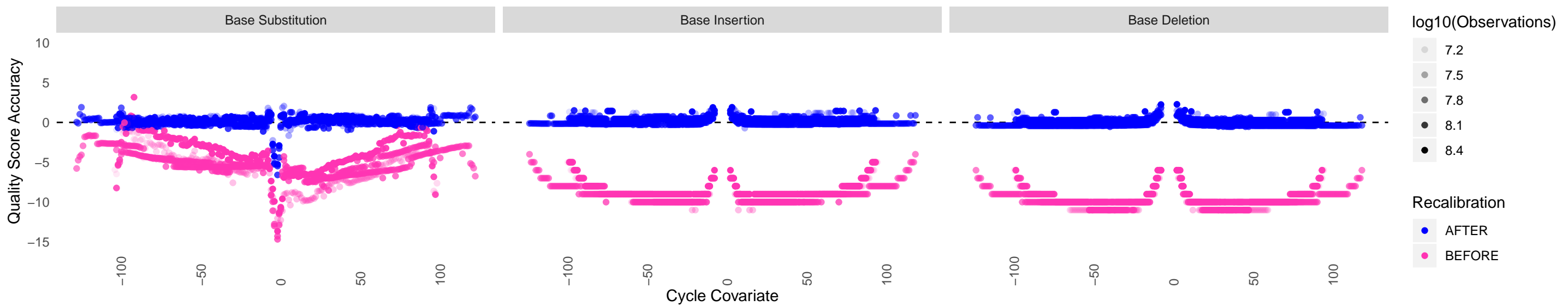
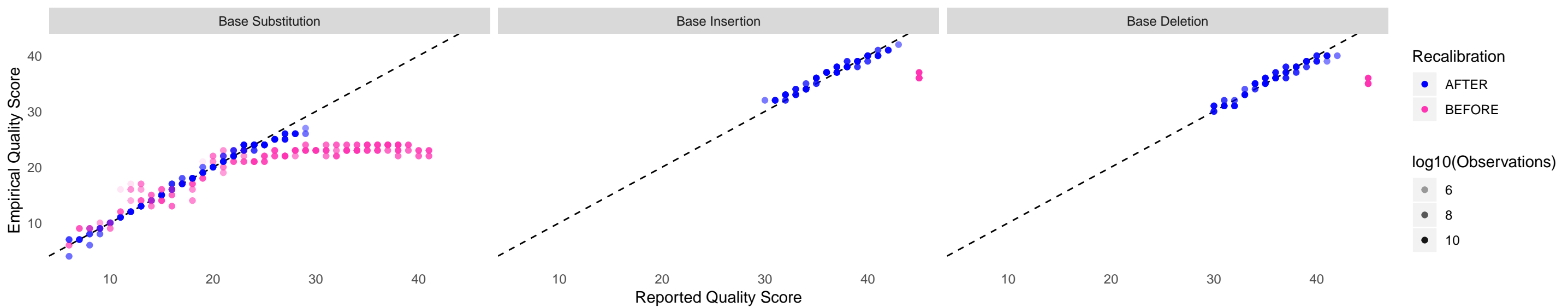
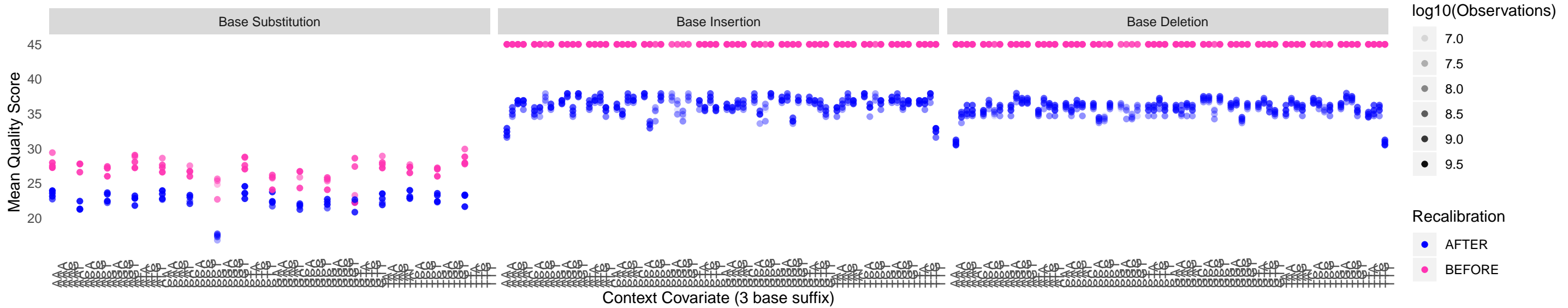
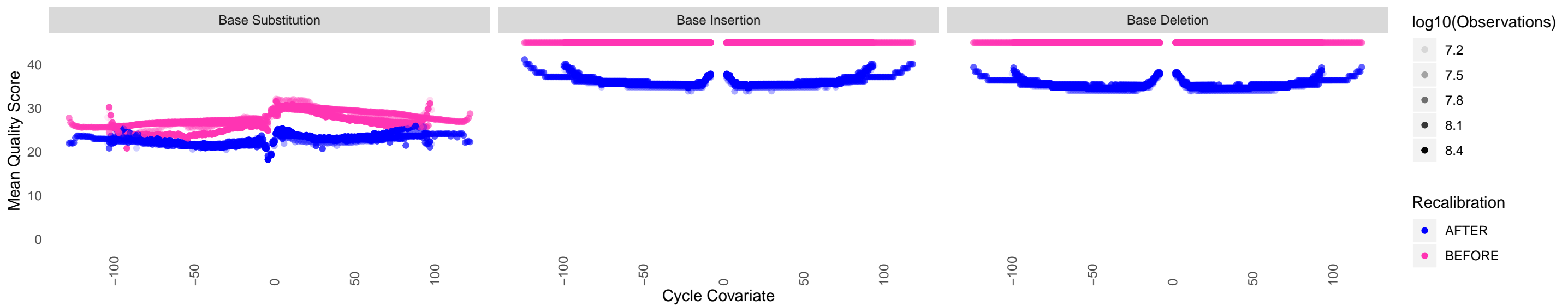
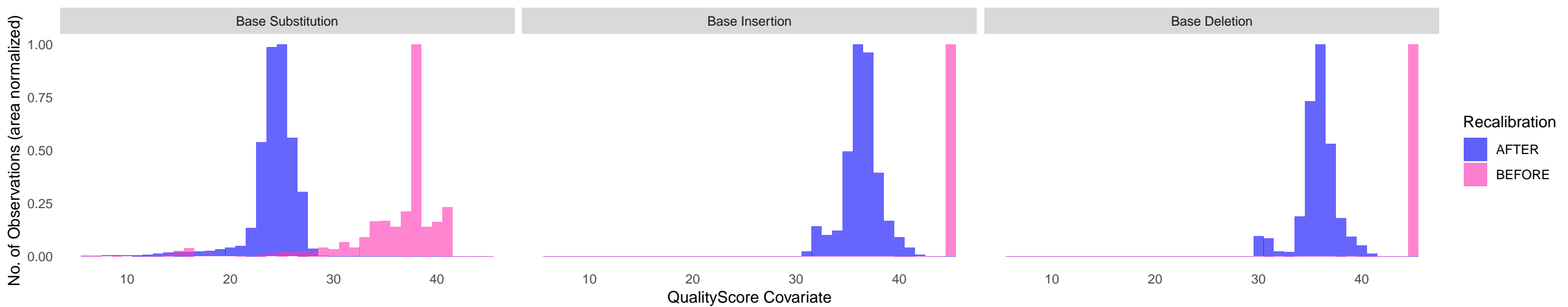


Argument	Value
binary_tag_name	None
covariate	ReadGroup,QualityScore,Context,Cycle
default_platform	None
deletions_default_quality	45
force_platform	None
indels_context_size	3
insertions_default_quality	45
low_quality_tail	2
maximum_cycle_value	500
mismatches_context_size	2
mismatches_default_quality	-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	SAMN04316320			SAMN04316319			C2V1GACXX.3.Malaya			C6GFVANXX.2.Malaya		
EventType	M	I	D	M	I	D	M	I	D	M	I	
EmpiricalQuality	22.0	36.0	35.0	22.0	37.0	36.0	22.0	36.0	35.0	22.0	36.0	
EstimatedQReported	27.5	45.0	45.0	25.9	45.0	45.0	27.4	45.0	45.0	27.3	45.0	
Observations	2.66e+10	2.66e+10	2.66e+10	4.51e+10	4.51e+10	4.51e+10	5.26e+09	5.26e+09	5.26e+09	2.31e+10	2.31e+10	2
Errors	1.69e+08	6.41e+06	7.64e+06	2.80e+08	1.01e+07	1.20e+07	3.69e+07	1.39e+06	1.68e+06	1.48e+08	5.53e+06	6

Error rates by event type and initial quality score

ReadGroup	QualityScore	EventType	EmpiricalQuality	Observations	Errors
SAMN04316320	11	M	16	18395	406.15
	12	M	17	22797	319.79
	13	M	14	56378655	2221435.96
	14	M	14	159084682	6932872.37
	15	M	14	484034176	17997180.06
	16	M	13	586951949	27888279.38
	18	M	14	33349230	1453129.84
	19	M	21	10906	59.25
	20	M	21	23034	138.31
	21	M	23	168631199	91604.32
	22	M	22	1876358	11126.65
	23	M	23	77160286	430044.31
	24	M	21	40690166	314124.77
	25	M	22	216493092	1512321.68
	26	M	22	94423543	546263.70
	27	M	22	185810027	1097373.52
	28	M	23	209779591	100017.41
	29	M	23	387582496	1770299.98
	30	M	23	41580923	187826.20
	31	M	24	392360232	1696716.51
	32	M	22	122212037	690151.22
	33	M	23	769748688	3750185.64
	34	M	23	1200396764	5645390.57
	35	M	24	611849520	2573230.77
	36	M	24	107853868	4458942.44
	37	M	24	1579946462	6135145.05
	38	M	24	18194483835	80347608.88
	45	I	36	26552691131	6414534.49
	45	D	35	26552691131	7644750.55
	6	M	6	16924192	4008283.77
	7	M	7	11891113	13503118.49
	8	M	9	14650353	20186352.69
	9	M	9	105652147	12572750.37
	10	M	9	121243776	16086116.07
	11	M	12	57497959	3704372.30
	12	M	16	21708306	589434.00
	13	M	17	73833281	1639819.66
	14	M	15	27935196	839352.80
	15	M	16	68361039	1643257.93
	16	M	16	79167884	2224168.85
	17	M	17	87461380	1727925.65
	18	M	17	179865487	3229903.55
	19	M	18	130418102	2135085.56
	20	M	22	126745578	865637.36
	21	M	20	75852629	759001.42
	22	M	21	156538210	1230622.03
	23	M	21	201204057	1675276.05
	24	M	21	281421631	2299500.12
	25	M	25	363719863	2716721.02
	26	M	23	535536602	2930908.50
	27	M	22	480209843	3123806.75
	28	M	23	411803454	2124417.91
	29	M	24	662047157	2869762.74
	30	M	23	1047256026	5129482.90
	31	M	23	1546636841	7665082.69
	32	M	24	1159802807	4819570.05
	33	M	24	1575801695	6897599.36
	34	M	24	3265286849	13775359.75
	35	M	24	4508865439	17171642.87
	36	M	24	2698917665	1053530.33
	37	M	24	4137031768	15285841.81
	38	M	24	3327474900	14817886.54
	39	M	24	4567977893	17905273.81
	40	M	23	5248428463	23857999.15
	41	M	23	7473643827	37302796.40
	45	I	37	45099766671	10084437.35
	45	D	36	45099766671	12045411.49
C2V1GACXX.3.Malaya	6	M	6	1367818	328381.52
	7	M	9	10292203	1262048.74
	8	M	9	11672427	1512165.24
	9	M	10	7206629	744279.50
	10	M	10	7577130	780870.71
	11	M	12	3236364	197670.46
	12	M	14	184409	66675.31
	13	M	16	5804538	144523.37
	14	M	15	2045528	64553.02
	15	M	16	5317054	125423.03
	16	M	16	6752409	175212.98
	17	M	17	7159909	153374.83
	18	M	17	16501136	304963.19
	19	M	18	10322431	181872.25
	20	M	21	11393820	95382.99
	21	M	19	6294261	71768.57
	22	M	21	13873313	117763.50
	23	M	21	15674889	133120.89
	24	M	21	22224413	187541.81
	25	M	21	32066396	229191.49
	26	M	22	45737369	285710.24
	27	M	22	40345086	275330.00
	28	M	22	36535936	208714.10
	29	M	23	66240508	346679.87
	30	M	23	92131392	486868.49
	31	M	22	149825495	868304.59
	32	M	23	114855645	560481.13
	33	M	23	151327486	807591.44
	34	M	23	359787861	1935466.76
	35	M	23	500300704	2470766.44
	36	M	23	294373965	1557165.80
	37	M	23	463802496	2442182.55
	38	M	22	354065983	2195524.72
	39	M	23	556788627	3083211.90
	40	M	22	712969558	4603678.80
	41	M	22	1108317612	7875802.28
	45	I	36	5263949400	1394155.43
	45	D	35	5263949400	1677297.50
	13	M	14	9521931	406592.43
	14	M	13	120913859	5692416.72
	15	M	14	354869019	13330898.07
	16	M	15	754694468	26320001.02
	18	M	16	28790878	714008.08
	21	M	16	1807014	11675.17
	22	M	23	1019996	5699.72
	23	M	22	20702814	137850.33
	24	M	21	31437807	249394.59
	25	M	22	251960032	1555881.32
	26	M	23	73754421	359878.40
	27	M	22	170067384	1016294.32
	28	M	23	202031779	1037197.50
	29	M	23	427781912	2108914.94
	30	M	23	44726394	213136.19
	31	M	23	369880708	1719811.30
	32	M	22	117820545	685118.48
	33	M	23	776144441	4122344.01
	34	M	23	1215843940	6113011.85
	35	M	23	537079360	2484910.76
	36	M	23	1006987381	4579028.56
	37	M	24	1616902201	6721430.00
	38	M	23	14986951335	68844026.01
	45	I	36	23122189579	5531713.32
	45	D	35	23122189579	6793255.86