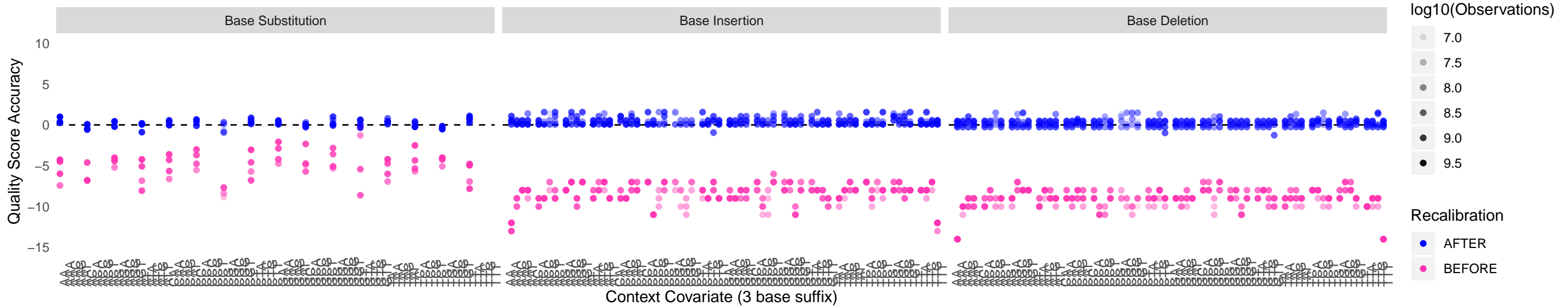
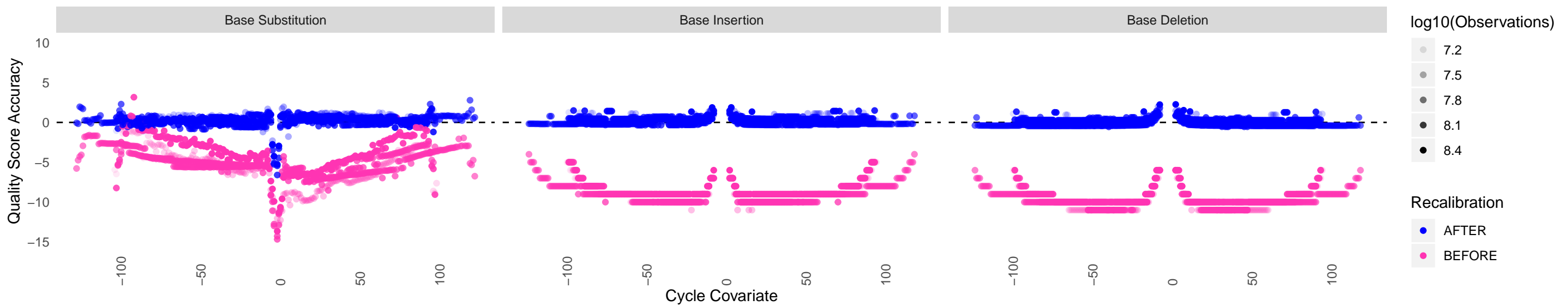
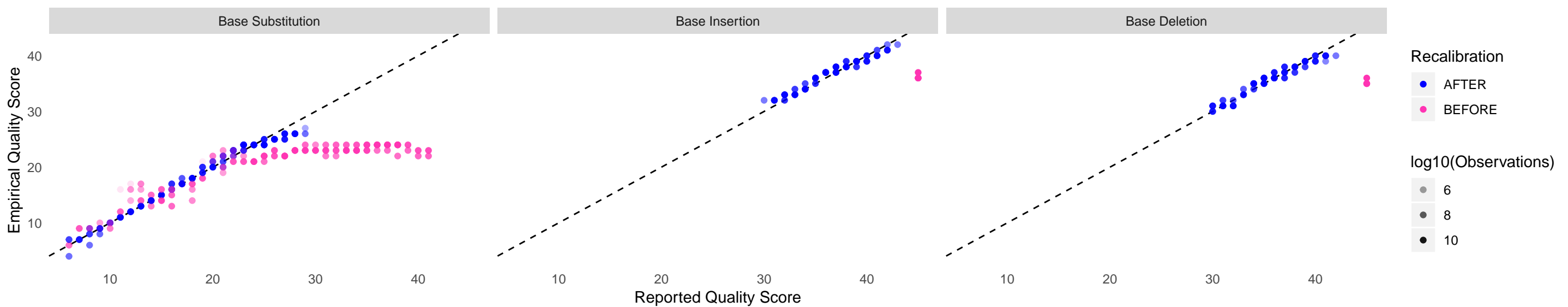
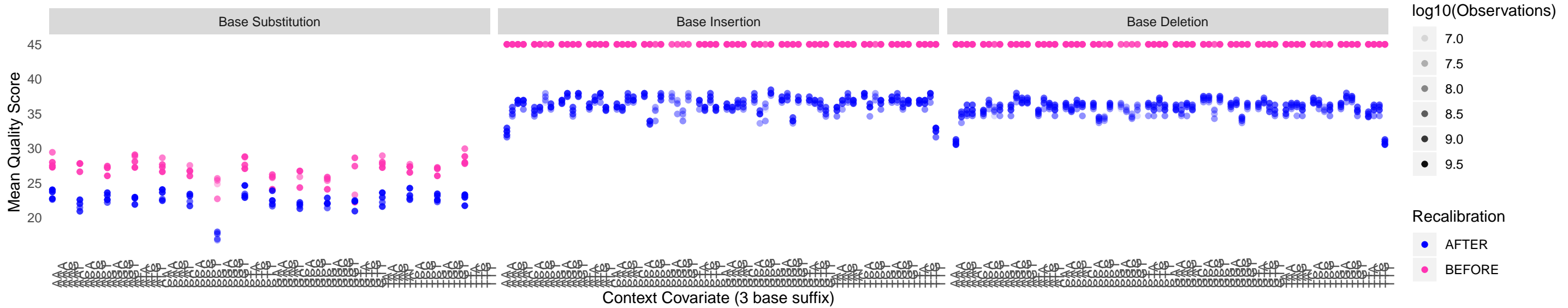
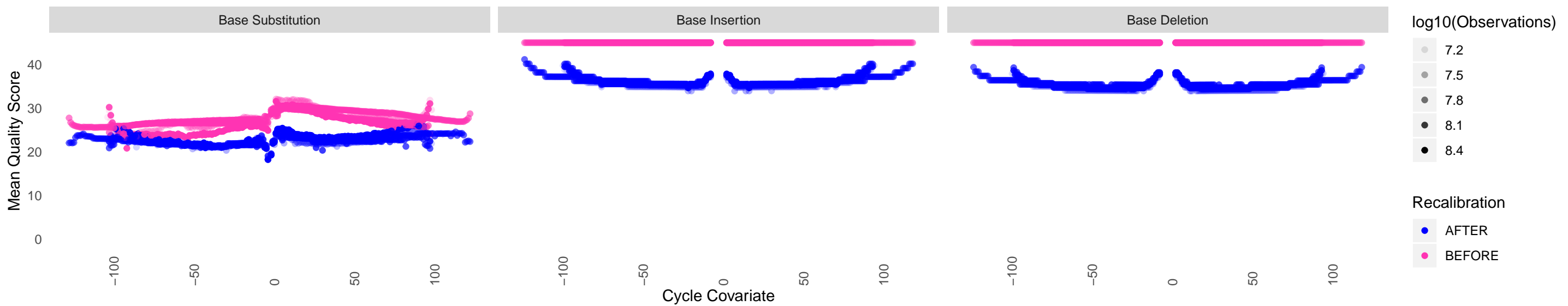
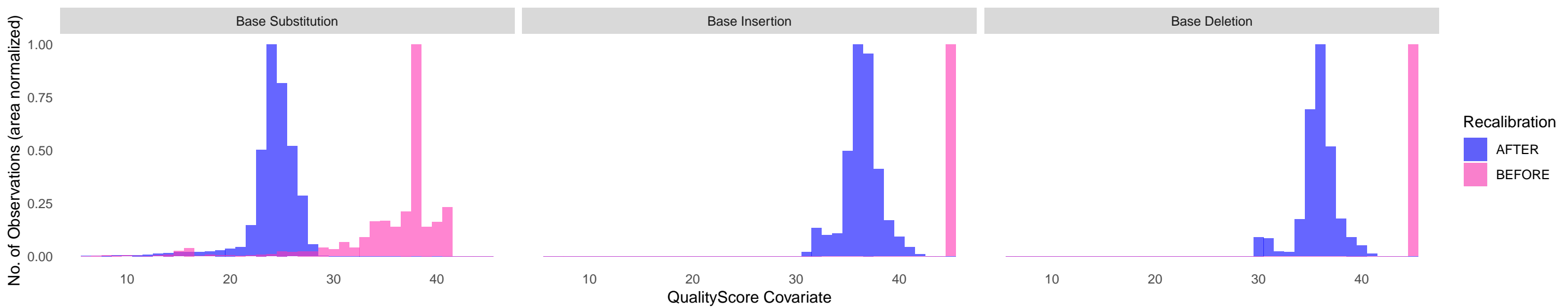


Argument	Value
binary_tag_name	None
covariate	ReadGroup,QualityScore,Context,Cycle
default_platform	None
deletions_default_quality	45
force_platform	None
indels_context_size	3
insertions_default_quality	45
low_quality_tail	2
maximum_cycle_value	500
mismatches_context_size	2
mismatches_default_quality	-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	SAMN04316320	SAMN04316320	SAMN04316319	SAMN04316319	SAMN04316319	C2V1GACXX.3.Malaya	C2V1GACXX.3.Malaya	C2V1GACXX.3.Malaya	C6GFVANXX.2.Malaya	C6GFVANXX.2.Malaya	C6GFVANXX.2
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	2.65e+10	2.65e+10	2.65e+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	1.66e+08	6.38e+06	7.63e+06	2.77e+08	1.00e+07	1.20e+07	3.61e+07	1.39e+06	1.68e+06	1.46e+08	5.50e+06	6

Error rates by event type and initial quality score

ReadGroup	QualityScore	EventType	EmpiricalQuality	Observations	Errors
SAMN04316320	11	M	16	18384	401.15
SAMN04316320	12	M	17	22798	321.54
SAMN04316320	13	M	14	56364945	2217191.77
SAMN04316320	14	M	14	159048065	6920102.35
SAMN04316320	15	M	14	483944985	17962909.49
SAMN04316320	16	M	13	586848514	27845660.68
SAMN04316320	18	M	14	33343528	1451372.14
SAMN04316320	19	M	21	10902	57.92
SAMN04316320	20	M	21	23032	136.76
SAMN04316320	21	M	23	16879350	90548.27
SAMN04316320	22	M	22	1876100	11098.62
SAMN04316320	23	M	23	77146337	425348.15
SAMN04316320	24	M	21	40682128	311435.24
SAMN04316320	25	M	22	216455565	1498130.06
SAMN04316320	26	M	22	94406521	540211.30
SAMN04316320	27	M	22	185775544	1085245.83
SAMN04316320	28	M	23	209743640	987448.90
SAMN04316320	29	M	23	387507613	1742309.78
SAMN04316320	30	M	24	41573386	185466.55
SAMN04316320	31	M	24	392284226	1671480.35
SAMN04316320	32	M	23	122186897	694100.17
SAMN04316320	33	M	23	769599525	3706190.87
SAMN04316320	34	M	23	1200124146	5563709.71
SAMN04316320	35	M	24	611721503	2530141.65
SAMN04316320	36	M	24	1078311744	4408894.53
SAMN04316320	37	M	24	1579633013	6018381.95
SAMN04316320	38	M	24	18189442123	78617419.90
SAMN04316320	45	I	36	25845974814	6381034.07
SAMN04316320	45	D	35	26545974814	7628930.25
SAMN04316319	6	M	6	16920249	4006763.11
SAMN04316319	7	M	9	11869419	13494263.45
SAMN04316319	8	M	9	146474939	20174749.37
SAMN04316319	9	M	9	105632353	12564926.41
SAMN04316319	10	M	9	121221377	16077489.83
SAMN04316319	11	M	12	57489316	370023.53
SAMN04316319	12	M	16	21703550	587993.06
SAMN04316319	13	M	17	73919646	1634744.41
SAMN04316319	14	M	15	27929522	837536.39
SAMN04316319	15	M	16	68347090	1639770.80
SAMN04316319	16	M	16	79152691	2219026.55
SAMN04316319	17	M	17	87444299	1721770.43
SAMN04316319	18	M	17	179829331	3218375.36
SAMN04316319	19	M	18	130395469	2127485.54
SAMN04316319	20	M	22	126718741	857202.69
SAMN04316319	21	M	20	75836125	752885.49
SAMN04316319	22	M	21	156609178	1225536.88
SAMN04316319	23	M	21	201163244	1661769.14
SAMN04316319	24	M	21	281367176	2281305.06
SAMN04316319	25	M	21	363651994	2695897.75
SAMN04316319	26	M	23	535430135	2895145.55
SAMN04316319	27	M	22	480114886	3093666.76
SAMN04316319	28	M	23	411725848	2096848.19
SAMN04316319	29	M	24	681816549	2823790.97
SAMN04316319	30	M	23	1047056178	5064085.39
SAMN04316319	31	M	23	1546324187	7582218.20
SAMN04316319	32	M	24	1159575455	4746440.79
SAMN04316319	33	M	24	1575467742	6792960.72
SAMN04316319	34	M	24	3264612308	13593264.79
SAMN04316319	35	M	24	4507830974	16873041.37
SAMN04316319	36	M	24	2698308929	10340095.74
SAMN04316319	37	M	24	4136080827	14996550.12
SAMN04316319	38	M	24	3326741915	14598745.70
SAMN04316319	39	M	24	4568930501	17598158.96
SAMN04316319	40	M	23	5247131169	23557198.11
SAMN04316319	41	M	23	7471345315	36803866.61
SAMN04316319	45	I	37	45089126087	10040065.55
SAMN04316319	45	D	36	45089126087	12015983.55
C2V1GACXX.3.Malaya	6	M	6	1367475	328245.68
C2V1GACXX.3.Malaya	7	M	9	10289391	1260727.07
C2V1GACXX.3.Malaya	8	M	9	1169319	1510724.59
C2V1GACXX.3.Malaya	9	M	10	7204674	743428.30
C2V1GACXX.3.Malaya	10	M	10	7575098	780053.11
C2V1GACXX.3.Malaya	11	M	12	3235683	197355.18
C2V1GACXX.3.Malaya	12	M	14	1843502	66479.16
C2V1GACXX.3.Malaya	13	M	16	5802996	143852.71
C2V1GACXX.3.Malaya	14	M	15	2044950	64312.97
C2V1GACXX.3.Malaya	15	M	16	5315670	124912.20
C2V1GACXX.3.Malaya	16	M	16	6750708	174578.66
C2V1GACXX.3.Malaya	17	M	17	7158171	152739.77
C2V1GACXX.3.Malaya	18	M	17	16496254	303085.27
C2V1GACXX.3.Malaya	19	M	18	10320031	180983.27
C2V1GACXX.3.Malaya	20	M	21	11390727	94297.59
C2V1GACXX.3.Malaya	21	M	19	6292469	71074.94
C2V1GACXX.3.Malaya	22	M	21	13869530	116341.56
C2V1GACXX.3.Malaya	23	M	21	15571124	131172.76
C2V1GACXX.3.Malaya	24	M	21	22218754	185362.90
C2V1GACXX.3.Malaya	25	M	22	32057384	226194.81
C2V1GACXX.3.Malaya	26	M	22	45723789	280485.01
C2V1GACXX.3.Malaya	27	M	22	40334711	271403.25
C2V1GACXX.3.Malaya	28	M	23	36526453	205017.88
C2V1GACXX.3.Malaya	29	M	23	66218344	338944.09
C2V1GACXX.3.Malaya	30	M	23	92107577	478132.84
C2V1GACXX.3.Malaya	31	M	22	149774332	853368.27
C2V1GACXX.3.Malaya	32	M	23	114817798	546901.75
C2V1GACXX.3.Malaya	33	M	23	151275156	790900.49
C2V1GACXX.3.Malaya	34	M	23	359640217	1889082.37
C2V1GACXX.3.Malaya	35	M	23	500087576	2399254.98
C2V1GACXX.3.Malaya	36	M	23	294229833	1496832.90
C2V1GACXX.3.Malaya	37	M	23	483557973	2357944.02
C2V1GACXX.3.Malaya	38	M	22	353897470	2136750.71
C2V1GACXX.3.Malaya	39	M	23	556494949	2984735.72
C2V1GACXX.3.Malaya	40	M	22	71258081	4491300.68
C2V1GACXX.3.Malaya	41	M	22	110558030	7687450.43
C2V1GACXX.3.Malaya	45	I	36	5261328799	1385513.74
C2V1GACXX.3.Malaya	45	D	35	5261328799	1677325.40
C6GFVANXX.2.Malaya	13	M	14	9919142	405752.74
C6GFVANXX.2.Malaya	13	M	13	120880239	5680120.96
C6GFVANXX.2.Malaya	15	M	14	354781058	13299868.75
C6GFVANXX.2.Malaya	16	M	15	754503946	26243761.22
C6GFVANXX.2.Malaya	18	M	16	28794317	712147.81
C6GFVANXX.2.Malaya	21	M	22	1806481	11527.24
C6GFVANXX.2.Malaya	22	M	23	1019755	5645.19
C6GFVANXX.2.Malaya	23	M	22	2069167	136486.59
C6GFVANXX.2.Malaya	24	M	21	31430224	246812.08
C6GFVANXX.2.Malaya	25	M	22	251897575	1532821.25
C6GFVANXX.2.Malaya	26	M	23	73737399	353832.20
C6GFVANXX.2.Malaya	27	M	22	170024459	1001091.43
C6GFVANXX.2.Malaya	28	M	23	201983680	1020090.44
C6GFVANXX.2.Malaya	29	M	23	427662048	2066435.75
C6GFVANXX.2.Malaya	30	M	23	447158900	209800.47
C6GFVANXX.2.Malaya	31	M	23	369779940	1685566.52
C6GFVANXX.2.Malaya	32	M	22	117790113	678231.17
C6GFVANXX.2.Malaya	33	M	23	775932820	4065262.46
C6GFVANXX.2.Malaya	34	M	23	1215568269	6003361.18
C6GFVANXX.2.Malaya	35	M	23	536922641	2432595.38
C6GFVANXX.2.Malaya	36	M	24	1006682721	4474383.55
C6GFVANXX.2.Malaya	37	M	24	1616435951	6558423.30
C6GFVANXX.2.Malaya	38	M	24	14981481604	67029676.91
C6GFVANXX.2.Malaya	45	I	36	23114435349	5499144.66
C6GFVANXX.2.Malaya	45	D	35	23114435349	6783897.95