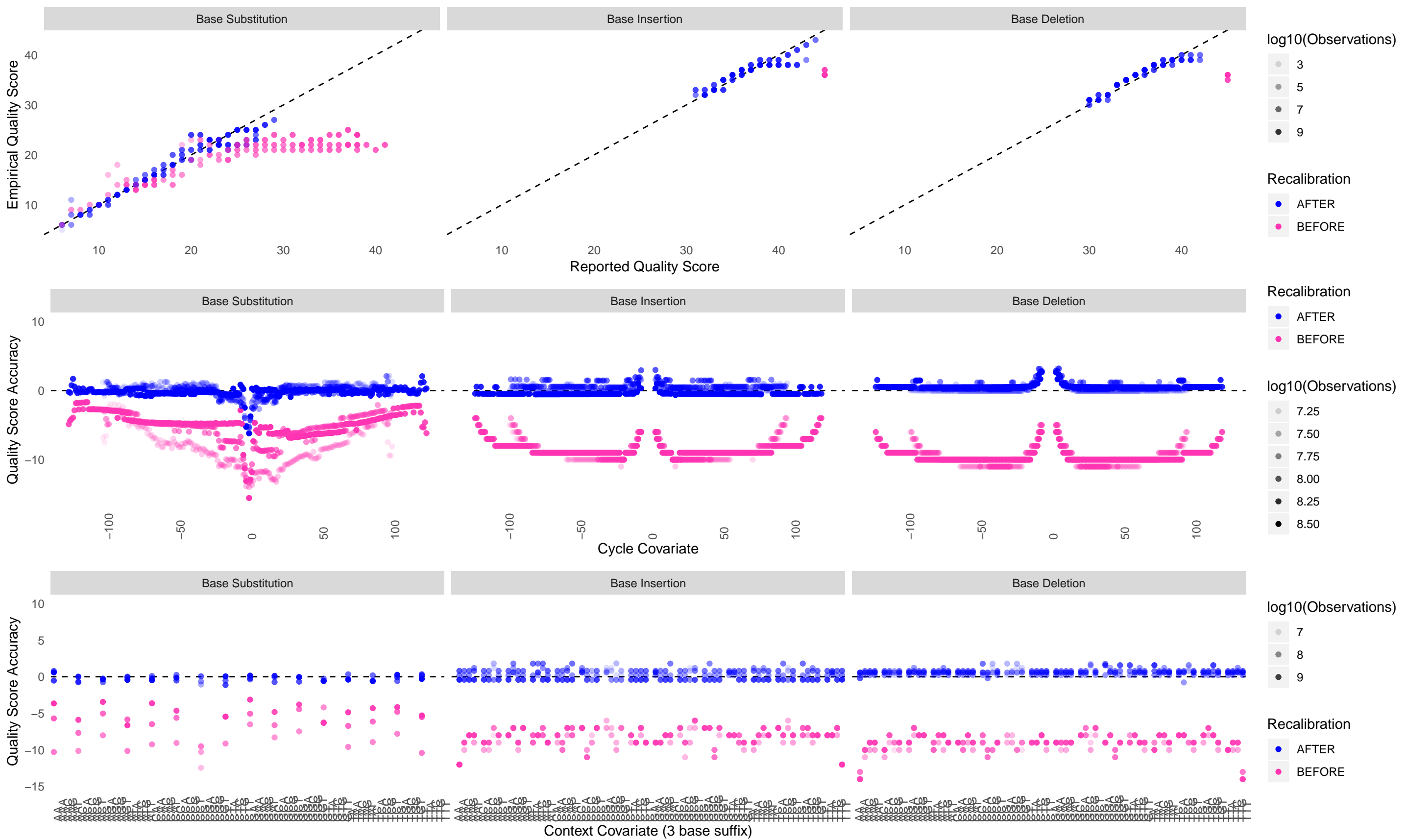
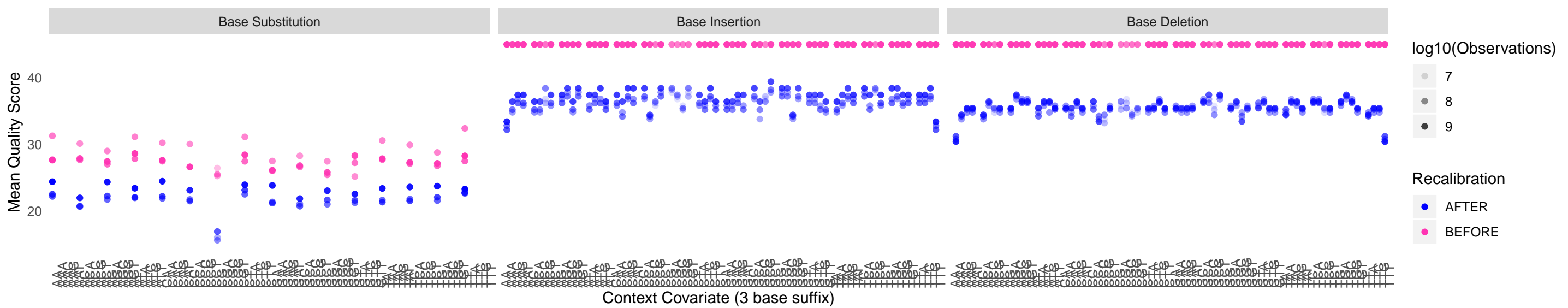
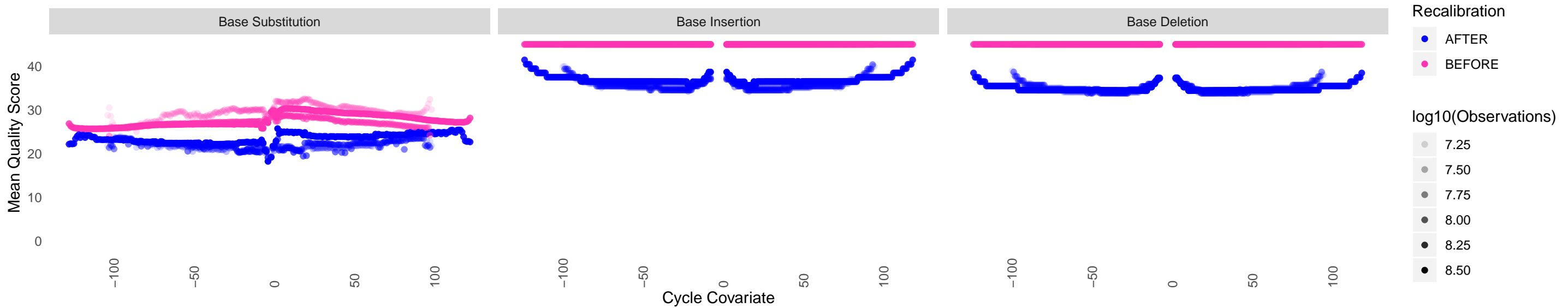
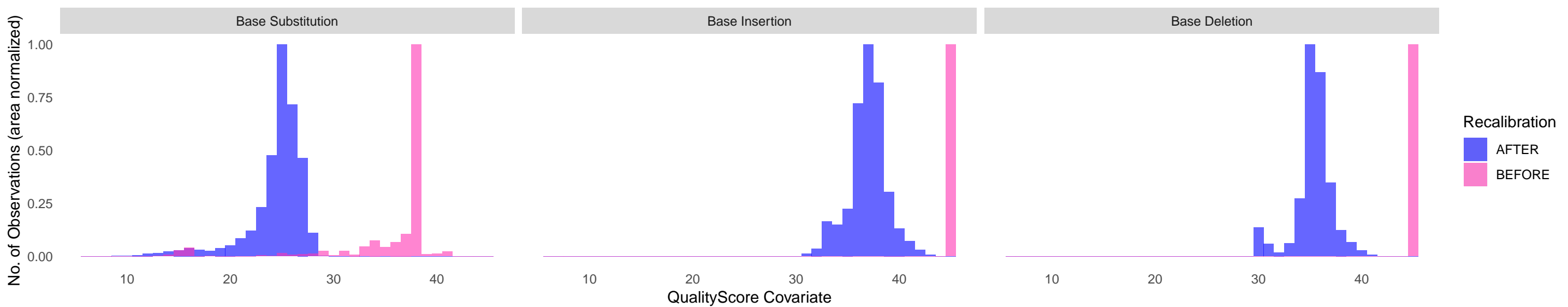


Argument	Value
binary_tag_name	None
covariate	ReadGroup,QualityScore,Context,Cycle
default_platform	None
deletions_default_quality	45
force_platform	None
indels_context_size	3
insertions_default_quality	45
low_quality_tail	2
maximum_cycle_value	500
mismatches_context_size	2
mismatches_default_quality	-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	SAMN04316321	SAMN04316321	SAMN04316321	C2V1GACXX.3.A20	C2V1GACXX.3.A20	C2V1GACXX.3.A20	C6GFVANXX.1.A20	C6GFVANXX.1.A20	C6GFVANXX.1.A20
EventType	M	I	D	M	I	D	M	I	A
EmpiricalQuality	22.0	36.0	36.0	21.0	36.0	35.0	21.0	37.0	36.0
EstimatedQReported	27.5	45.0	45.0	29.4	45.0	45.0	27.1	45.0	45.0
Observations	6.68e+10	6.68e+10	6.68e+10	4.98e+09	4.98e+09	4.98e+09	1.46e+10	1.46e+10	1.46e+10
Errors	3.80e+08	1.51e+07	1.88e+07	4.27e+07	1.25e+06	1.53e+06	1.18e+08	3.26e+06	3.95e+06

Error rates by event type and initial quality score

ReadGroup	QualityScore	EventType	EmpiricalQuality	Observations	Errors
SAMN04316321	11	M	16	64716	1593.27
SAMN04316321	12	M	18	97419	1632.80
SAMN04316321	13	M	14	73233783	3061864.67
SAMN04316321	14	M	13	291245261	13201628.14
SAMN04316321	15	M	14	1303890182	46905412.21
SAMN04316321	16	M	14	1653454881	60906045.12
SAMN04316321	18	M	14	77926461	2960013.05
SAMN04316321	19	M	22	58768	308.02
SAMN04316321	20	M	23	96480	451.57
SAMN04316321	21	M	23	21848905	120412.07
SAMN04316321	22	M	22	3710061	22590.53
SAMN04316321	23	M	23	175899420	926312.91
SAMN04316321	24	M	21	75588301	566852.37
SAMN04316321	25	M	22	612485026	3511557.44
SAMN04316321	26	M	23	255399653	1203732.86
SAMN04316321	27	M	22	420099816	2447257.19
SAMN04316321	28	M	23	536651197	2459933.47
SAMN04316321	29	M	24	1044619453	4269903.77
SAMN04316321	30	M	23	104054680	522068.65
SAMN04316321	31	M	24	1025746099	4094827.59
SAMN04316321	32	M	22	282060582	1896241.74
SAMN04316321	33	M	23	1892339727	9869648.41
SAMN04316321	34	M	23	3075471100	14204453.32
SAMN04316321	35	M	24	1470774254	5686700.14
SAMN04316321	36	M	24	2744690824	10340056.71
SAMN04316321	37	M	25	4251891475	14628683.60
SAMN04316321	38	M	24	45425611974	175939577.57
SAMN04316321	45	I	36	66819011498	15076641.59
SAMN04316321	45	D	36	66819011498	18824993.22
C2V1GACXX.3.A20	6	M	6	826959	203871.33
C2V1GACXX.3.A20	7	M	9	6474772	748528.41
C2V1GACXX.3.A20	8	M	9	5794104	783411.25
C2V1GACXX.3.A20	9	M	10	3280120	365486.07
C2V1GACXX.3.A20	10	M	10	3529767	392147.30
C2V1GACXX.3.A20	11	M	12	1858062	127132.99
C2V1GACXX.3.A20	12	M	14	1165442	51853.14
C2V1GACXX.3.A20	13	M	15	3406042	111570.32
C2V1GACXX.3.A20	14	M	14	1176594	47035.57
C2V1GACXX.3.A20	15	M	15	2966254	94035.49
C2V1GACXX.3.A20	16	M	15	3545879	119492.84
C2V1GACXX.3.A20	17	M	15	4019892	121091.92
C2V1GACXX.3.A20	18	M	16	10098400	232692.35
C2V1GACXX.3.A20	19	M	16	6003035	137438.32
C2V1GACXX.3.A20	20	M	19	8057748	101826.20
C2V1GACXX.3.A20	21	M	18	3957613	56384.26
C2V1GACXX.3.A20	22	M	20	7717896	84994.62
C2V1GACXX.3.A20	23	M	19	9984634	123917.48
C2V1GACXX.3.A20	24	M	19	13889865	167763.42
C2V1GACXX.3.A20	25	M	20	21666182	227765.77
C2V1GACXX.3.A20	26	M	21	30476015	271293.51
C2V1GACXX.3.A20	27	M	20	25189993	255664.66
C2V1GACXX.3.A20	28	M	21	22827430	186941.23
C2V1GACXX.3.A20	29	M	21	48070233	413830.19
C2V1GACXX.3.A20	30	M	21	63718090	504817.66
C2V1GACXX.3.A20	31	M	21	113380884	924578.67
C2V1GACXX.3.A20	32	M	21	85464821	664097.38
C2V1GACXX.3.A20	33	M	21	122152321	1087384.22
C2V1GACXX.3.A20	34	M	21	330064004	2662565.35
C2V1GACXX.3.A20	35	M	21	540304118	4816709.65
C2V1GACXX.3.A20	36	M	21	285586082	2160315.15
C2V1GACXX.3.A20	37	M	22	462953248	3023054.46
C2V1GACXX.3.A20	38	M	21	292338961	2225229.32
C2V1GACXX.3.A20	39	M	22	545136635	3814387.60
C2V1GACXX.3.A20	40	M	21	658161656	5119543.41
C2V1GACXX.3.A20	41	M	22	1236208308	10304608.54
C2V1GACXX.3.A20	45	I	36	4981452059	1250948.10
C2V1GACXX.3.A20	45	D	35	4981452059	1526147.33
C6GFVANXX.1.A20	13	M	14	4130764	176860.63
C6GFVANXX.1.A20	14	M	13	75256153	3621599.66
C6GFVANXX.1.A20	15	M	13	221634983	7867403.88
C6GFVANXX.1.A20	16	M	14	525611986	17659544.43
C6GFVANXX.1.A20	18	M	17	19951725	439774.57
C6GFVANXX.1.A20	21	M	19	649846	8341.29
C6GFVANXX.1.A20	22	M	20	484812	5422.78
C6GFVANXX.1.A20	23	M	20	12077962	132251.80
C6GFVANXX.1.A20	24	M	19	21213393	257339.83
C6GFVANXX.1.A20	25	M	21	179342132	1360523.18
C6GFVANXX.1.A20	26	M	22	47405192	308883.22
C6GFVANXX.1.A20	27	M	21	120062501	1014815.00
C6GFVANXX.1.A20	28	M	22	142600386	1009245.36
C6GFVANXX.1.A20	29	M	22	288917344	1948890.07
C6GFVANXX.1.A20	30	M	22	31204510	200672.28
C6GFVANXX.1.A20	31	M	22	259767910	1631486.71
C6GFVANXX.1.A20	32	M	22	82302859	544557.10
C6GFVANXX.1.A20	33	M	22	514016825	3338187.80
C6GFVANXX.1.A20	34	M	22	733652886	4612559.93
C6GFVANXX.1.A20	35	M	22	367248625	2447356.74
C6GFVANXX.1.A20	36	M	22	666358697	4218594.48
C6GFVANXX.1.A20	37	M	22	1121413483	6542410.18
C6GFVANXX.1.A20	38	M	22	9119167714	5817472.99
C6GFVANXX.1.A20	45	I	37	14554472688	3256064.09
C6GFVANXX.1.A20	45	D	36	14554472688	3948963.66