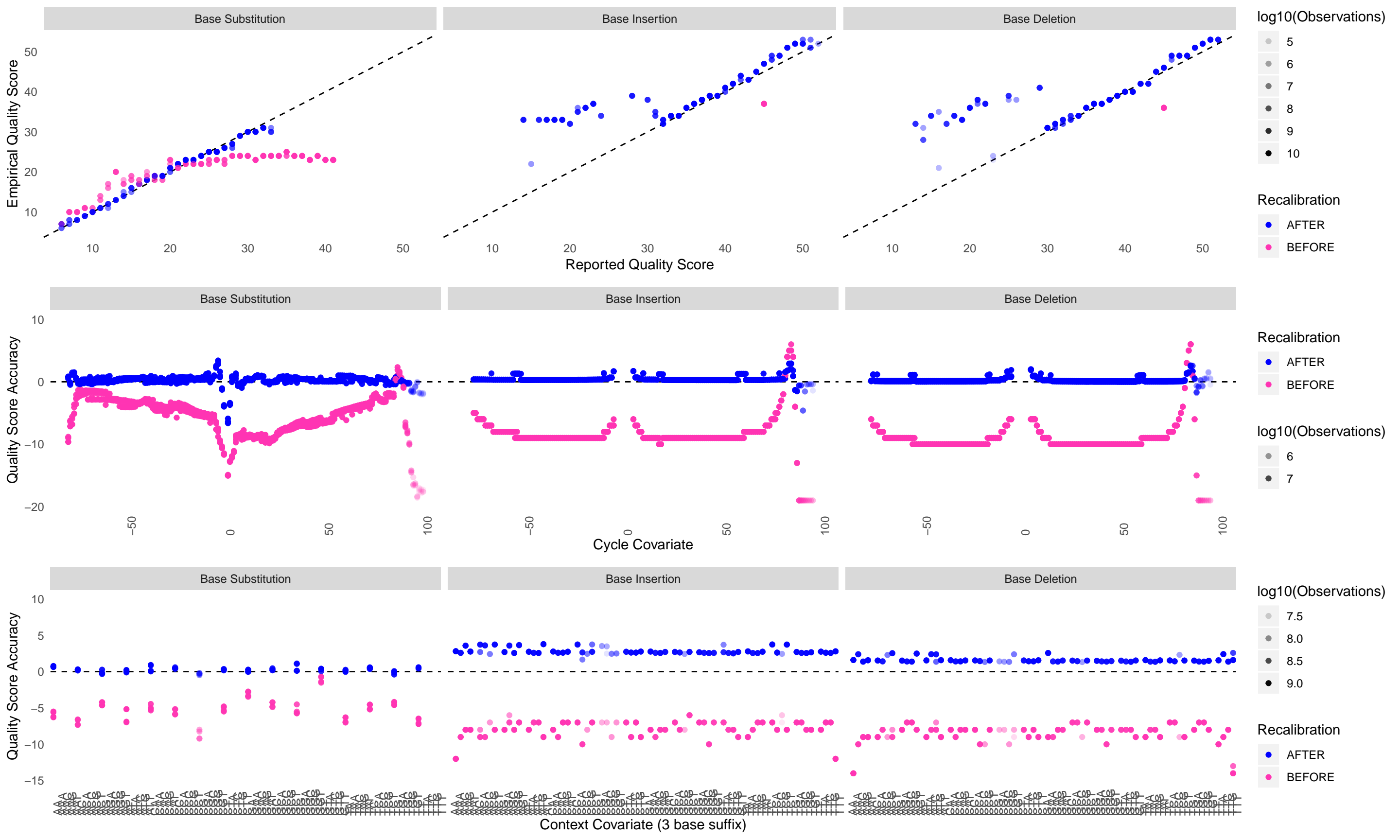
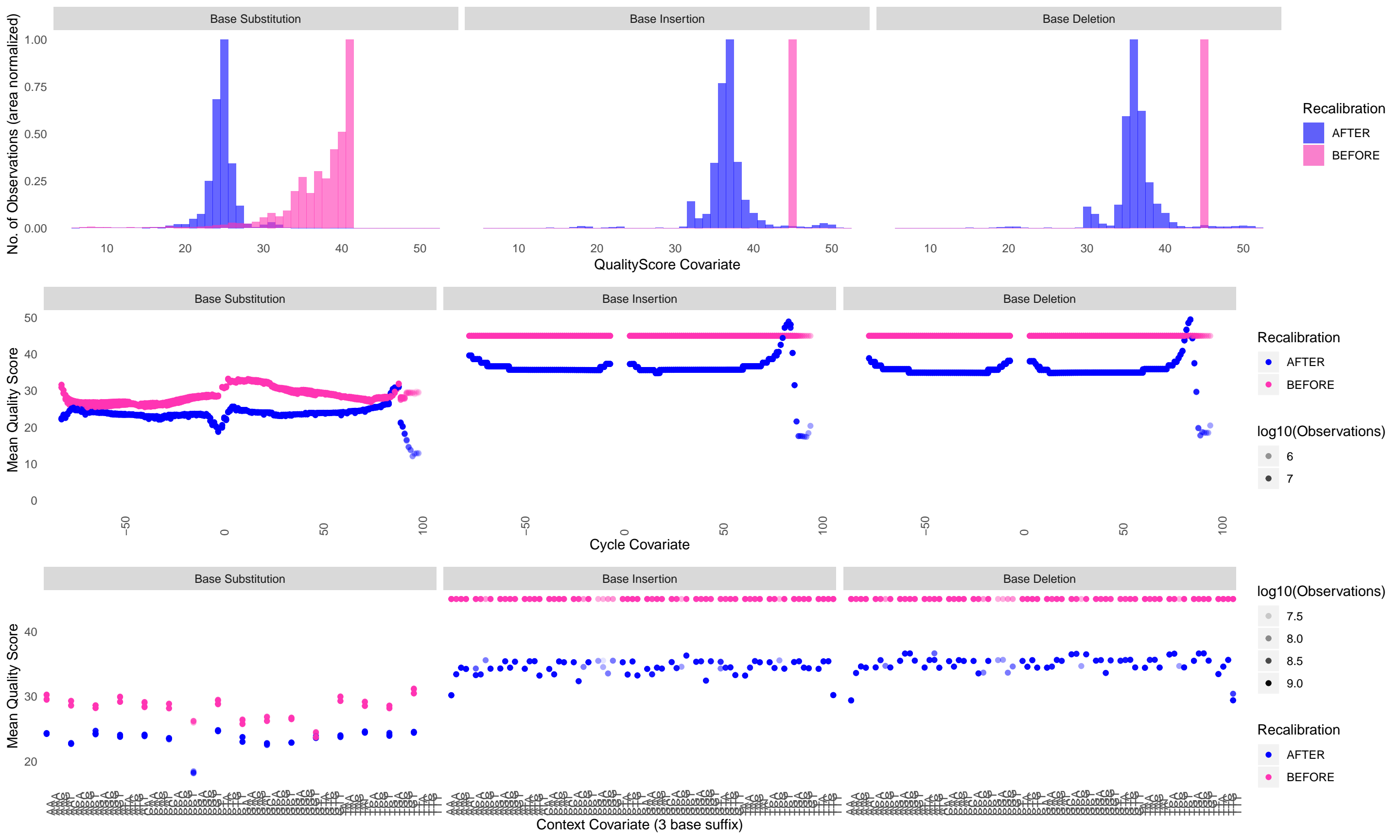


Argument	Value
binary_tag_name	None
covariate	ReadGroup,QualityScore,Context,Cycle
default_platform	None
deletions_default_quality	45
force_platform	None
indels_context_size	3
insertions_default_quality	45
low_quality_tail	2
maximum_cycle_value	500
mismatches_context_size	2
mismatches_default_quality	-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

ian-macaque-NO.3	@FCC1LLLACXX.5.Tibetan-macaque-NO.3	@FCC1LLLACXX.5.Tibetan-macaque-NO.3	@FCD1R52ACXX.5.Tibetan-macaque-NO.3	@FCD1R52ACXX.5.Tibetan-macaque-NO.3	@FCD1R52ACXX.5.Tibetan-macaque-NO.3	@FCD1RK8ACXX.3.Tibetan-macaque-NO.3	@FCD1RK8ACXX.3.Tibetan-macaque-NO.3	@FCD1RK8ACXX.3.Tibetan-macaque-NO.3	@FCD1RK8ACXX.4.Tibetan-macaque-NO.3	@FCD1RK8ACXX.4.Tibetan-macaque-NO.3
M	I	D	M	I	D	M	I	D	M	M
23.0	37.0	36.0	23.0	37.0	36.0	23.0	37.0	36.0	23.0	36.0
45.0	45.0	45.0	27.9	45.0	28.5	28.5	45.0	28.5	23.0	23.0
1.13e+10	1.13e+10	1.13e+10	1.19e+10	1.19e+10	1.19e+10	1.14e+10	1.14e+10	1.14e+10	1.14e+10	1.15e+10
5.79e+07	2.41e+06	2.82e+06	6.00e+07	2.53e+06	2.96e+06	5.80e+07	2.44e+06	2.85e+06	5.88e+07	5.88e+07

Error rates by event type and initial quality score

ReadGroup	QualityScore	EventType	EmpiricalQuality	Observations	Errors
@F0C1LLACXX.5.Tbetan-macaque-NO.3	6	M	7	309602	592220.48
@F0C1LLACXX.5.Tbetan-macaque-NO.3	7	M	10	16010942	1601120.07
@F0C1LLACXX.5.Tbetan-macaque-NO.3	8	M	10	24050557	2396407.34
@F0C1LLACXX.5.Tbetan-macaque-NO.3	9	M	11	17235244	1420554.57
@F0C1LLACXX.5.Tbetan-macaque-NO.3	10	M	11	13407134	1167126.05
@F0C1LLACXX.5.Tbetan-macaque-NO.3	11	M	14	5742748	255024.84
@F0C1LLACXX.5.Tbetan-macaque-NO.3	12	M	17	3396770	69613.95
@F0C1LLACXX.5.Tbetan-macaque-NO.3	13	M	20	11672621	154225.09
@F0C1LLACXX.5.Tbetan-macaque-NO.3	14	M	18	4975466	89014.86
@F0C1LLACXX.5.Tbetan-macaque-NO.3	15	M	19	1234355	171225.93
@F0C1LLACXX.5.Tbetan-macaque-NO.3	16	M	18	11919427	209260.01
@F0C1LLACXX.5.Tbetan-macaque-NO.3	17	M	19	3715360	16318.17
@F0C1LLACXX.5.Tbetan-macaque-NO.3	18	M	19	30031536	373840.48
@F0C1LLACXX.5.Tbetan-macaque-NO.3	19	M	19	19684620	252588.40
@F0C1LLACXX.5.Tbetan-macaque-NO.3	20	M	23	18977669	107794.83
@F0C1LLACXX.5.Tbetan-macaque-NO.3	21	M	21	13476573	107188.19
@F0C1LLACXX.5.Tbetan-macaque-NO.3	22	M	22	27872996	162383.14
@F0C1LLACXX.5.Tbetan-macaque-NO.3	23	M	22	34776755	208917.88
@F0C1LLACXX.5.Tbetan-macaque-NO.3	24	M	22	50275947	302741.03
@F0C1LLACXX.5.Tbetan-macaque-NO.3	25	M	23	55287844	300168.52
@F0C1LLACXX.5.Tbetan-macaque-NO.3	26	M	23	8681685	433991.53
@F0C1LLACXX.5.Tbetan-macaque-NO.3	27	M	23	8119272	434072.90
@F0C1LLACXX.5.Tbetan-macaque-NO.3	28	M	24	70431059	308165.79
@F0C1LLACXX.5.Tbetan-macaque-NO.3	29	M	24	106385225	453733.53
@F0C1LLACXX.5.Tbetan-macaque-NO.3	30	M	24	17946225	786230.00
@F0C1LLACXX.5.Tbetan-macaque-NO.3	31	M	23	254694230	1218978.25
@F0C1LLACXX.5.Tbetan-macaque-NO.3	32	M	24	184807979	772527.48
@F0C1LLACXX.5.Tbetan-macaque-NO.3	33	M	24	290729669	1234000.74
@F0C1LLACXX.5.Tbetan-macaque-NO.3	34	M	24	606363804	2591207.79
@F0C1LLACXX.5.Tbetan-macaque-NO.3	35	M	25	816604788	2895241.87
@F0C1LLACXX.5.Tbetan-macaque-NO.3	36	M	24	575677761	2186238.99
@F0C1LLACXX.5.Tbetan-macaque-NO.3	37	M	24	93456564.09	364664.09
@F0C1LLACXX.5.Tbetan-macaque-NO.3	38	M	23	823945131	3777653.01
@F0C1LLACXX.5.Tbetan-macaque-NO.3	39	M	24	128876214	535247.61
@F0C1LLACXX.5.Tbetan-macaque-NO.3	40	M	23	157216562	7161133.88
@F0C1LLACXX.5.Tbetan-macaque-NO.3	41	M	23	301935415	1467526.81
@F0C1LLACXX.5.Tbetan-macaque-NO.3	45	I	37	11282771943	2405946.69
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	6	M	7	3273884	284429.86
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	7	M	10	17373884	615752.74
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	8	M	10	24505927	1705372.28
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	9	M	11	17219630	2450546.83
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	10	M	11	13011245	1055187.56
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	11	M	14	5891813	232195.74
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	12	M	17	3552365	75415.85
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	13	M	20	12199917	136286.55
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	14	M	17	5174695	52495.94
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	15	M	19	12476410	168372.80
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	16	M	18	12210734	188013.44
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	17	M	20	13604320	152724.45
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	18	M	19	18619531	365955.91
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	19	M	19	25051080	250674.89
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	20	M	22	20212654	114542.87
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	21	M	22	14346252	106263.22
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	22	M	22	29897903	173796.98
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	23	M	23	26272374	211330.16
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	24	M	22	52055738	302577.19
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	25	M	23	30857793	300687.02
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	26	M	23	95858691	457427.43
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	27	M	23	14662153	42473.53
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	28	M	24	75477074	322664.43
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	29	M	24	11662115	482376.33
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	30	M	24	189431665	788898.25
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	31	M	23	22165760	126396.29
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	32	M	24	211405334	819941.49
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	33	M	24	31141045	129547.52
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	34	M	24	664818153	2786951.85
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	35	M	25	850886243	2684096.90
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	36	M	24	60889711	2269757.51
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	37	M	24	96089843	3600293.53
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	38	M	23	86356355	400758.00
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	39	M	24	1346624424	5552711.09
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	40	M	24	169339640	1063514.10
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	41	M	23	3123683045	15298528.89
@F0C1RS2ACXX.5.Tbetan-macaque-NO.3	45	D	36	1189209505	253940.18
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	6	M	7	2817296	2961411.32
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	7	M	10	13977428	1346248.38
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	8	M	10	23442028	2012898.23
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	9	M	11	113769819	1137698.40
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	10	M	11	11688449	1098763.67
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	11	M	13	5081513	243815.63
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	12	M	16	3175223	74179.16
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	13	M	10	10502725	110843.08
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	14	M	17	4530554	90569.99
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	15	M	17	1242151	170112.11
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	16	M	17	10943362	221393.63
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	17	M	17	1735403	173508.74
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	18	M	18	27098414	383627.06
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	19	M	18	2194552	261955.52
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	20	M	23	17785098	93452.76
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	21	M	21	12370727	96320.54
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	22	M	22	45326968	148781.51
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	23	M	22	32318172	195368.28
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	24	M	22	46070775	285960.45
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	25	M	22	50438902	288004.57
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	26	M	23	81741967	407053.42
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	27	M	22	75214736	430277.34
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	28	M	24	69259693	280653.14
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	29	M	24	95329472	432108.00
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	30	M	24	161775319	725345.78
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	31	M	23	24232598	1162570.83
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	32	M	24	184115636	745911.47
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	33	M	24	280586435	1206407.73
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	34	M	24	580309883	264096.31
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	35	M	24	860726959	3562403.91
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	36	M	24	57765211	2204535.45
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	37	M	24	94391042	360990.11
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	38	M	23	80307523	3712877.09
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	39	M	24	1304934556	5474031.49
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	40	M	23	1569752433	7209884.62
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	41	M	23	303715651	1503134.10
@F0C1RK8ACXX.3.Tbetan-macaque-NO.3	45	I	37	11386029153	2437283.37
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	6	M	7	2769514	252596.97
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	7	M	7	3728977	130897.18
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	8	M	10	20229936	2015314.83
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	9	M	11	14320845	1170071.05
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	10	M	10	11603834	1136743.84
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	11	M	13	5044689	265727.56
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	12	M	16	3116886	72136.13
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	13	M	20	10282040	108620.18
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	14	M	17	4451174	86253.32
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	15	M	18	11138802	178240.11
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	16	M	17	11843355	215291.31
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	17	M	18	12721082	221848.51
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	18	M	18	1747174	387287.50
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	19	M	18	17247972	273596.96
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	20	M	20	175981164	632762.24
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	21	M	21	12218853	96292.49
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	22	M	22	24969798	143236.07
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	23	M	23	19184515	107346.13
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	24	M	22	46583304	303751.38
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	25	M	22	40003383	288064.90
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	26	M	23	80978525	402588.09
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	27	M	22	14862345	442754.45
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	28	M	24	6439885	284202.27
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	29	M	24	107039812	433945.12
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	30	M	30	165629558	722221.46
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	31	M	31	241313915	1176561.62
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	32	M	24	183429001	751459.60
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	33	M	24	280765259	126527.99
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	34	M	24	594976586	2577656.48
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	35	M	25	878447077	3115170.89
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	36	M	24	562489661	2224862.36
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	37	M	24	953925077	3625176.81
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	38	M	33	807240176	874721.03
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	39	M	40	1318805058	5557188.50
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	40	M	40	1584229117	7331462.30
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	41	M	23	3262381592	1605099.42
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	45	D	36	11529185766	246516.12
@F0C1RK8ACXX.4.Tbetan-macaque-NO.3	45	D	36	11529185766	2888804.85