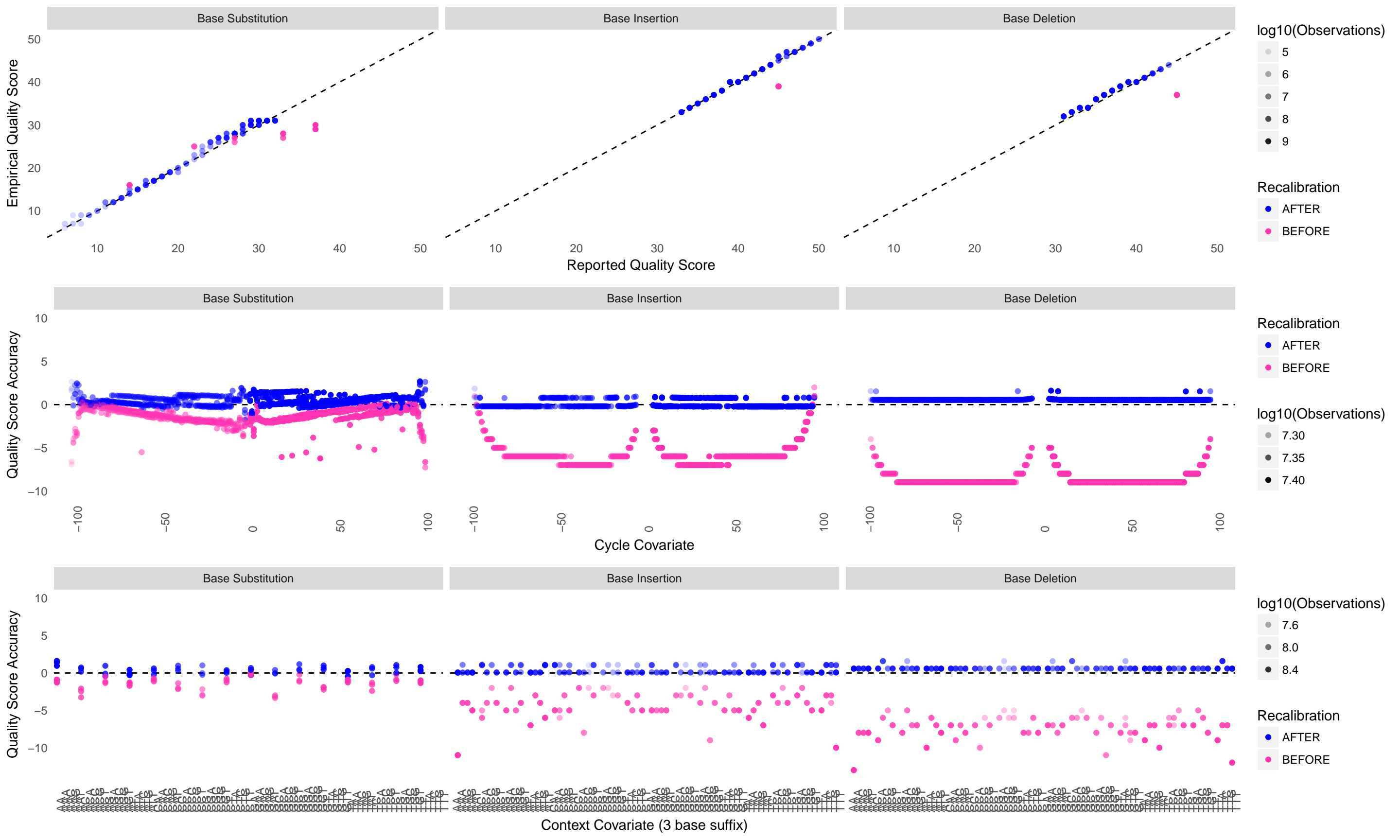
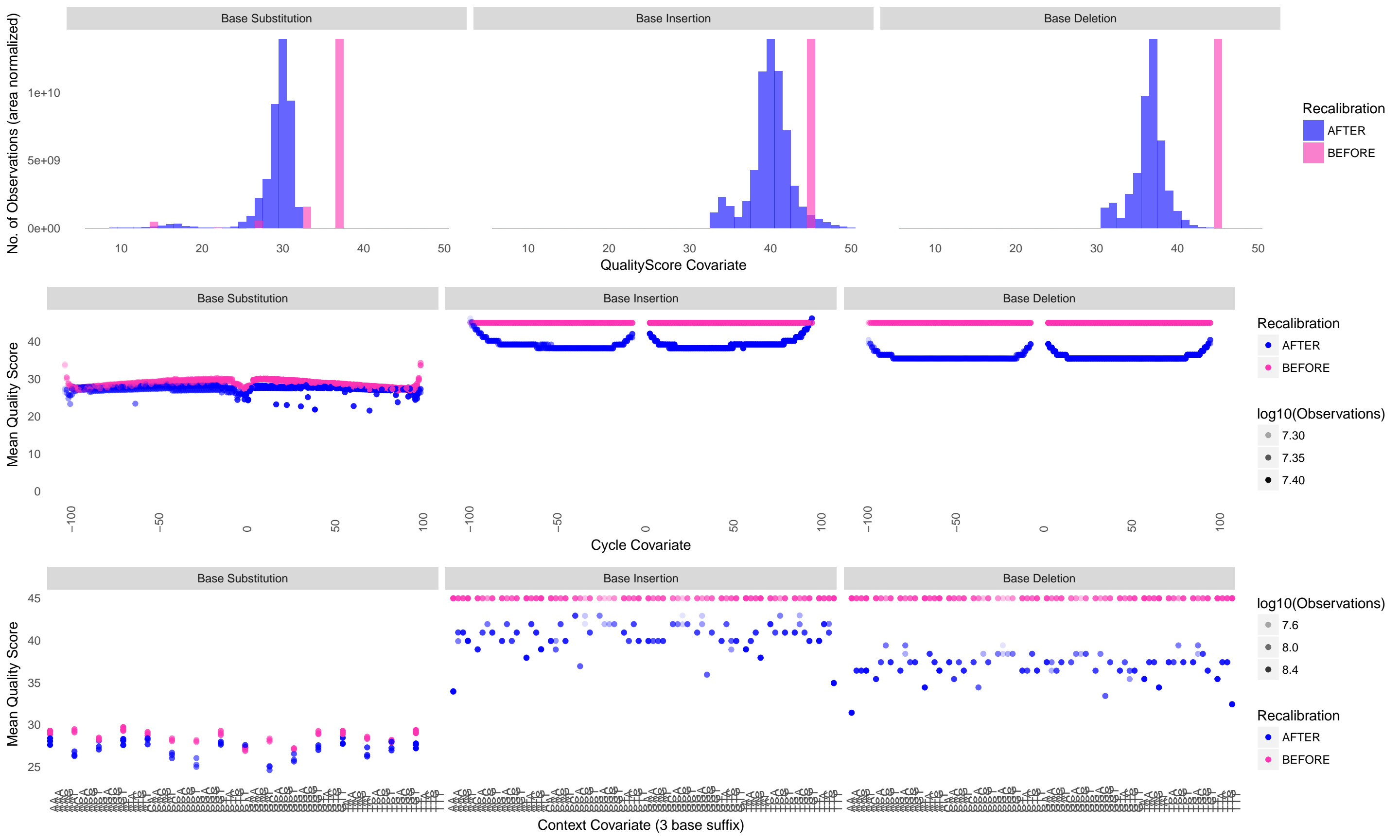


Argument	Value
binary_tag_name	None
covariate	ReadGroup,QualityScore,Context,Cycle
default_platform	None
deletions_default_quality	45
force_platform	None
indels_context_size	3
insertions_default_quality	45
low_quality_tail	2
maximum_cycle_value	500
mismatches_context_size	2
mismatches_default_quality	-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	L2_OBIWAN_314	L2_OBIWAN_314	L2_OBIWAN_314	L4_OBIWAN_309	L4_OBIWAN_309	L4_OBIWAN_309	L4_OBIWAN_312	L4_OBIWAN_312	L4_OBIWAN_312
EventType	M	I	D	M	I	D	M	I	D
EmpiricalQuality	27.0	39.0	37.0	27.0	39.0	37.0	27.0	39.0	37.0
EstimatedQReported	28.8	45.0	45.0	28.7	45.0	45.0	28.5	45.0	45.0
Observations	4.61e+09	4.61e+09	4.61e+09	4.61e+09	4.61e+09	4.61e+09	4.70e+09	4.70e+09	4.70e+09
Errors	8.41e+06	5.43e+05	1.03e+06	9.01e+06	5.42e+05	1.02e+06	8.95e+06	5.48e+05	1.04e+06

Error rates by event type and initial quality score

ReadGroup	QualityScore	EventType	EmpiricalQuality	Observations	Errors
L2_OBIWAN_314	14	M	16	117937094	2943994.65
L2_OBIWAN_314	22	M	25	7120105	20705.85
L2_OBIWAN_314	27	M	27	135541739	262593.83
L2_OBIWAN_314	33	M	28	432073925	767683.53
L2_OBIWAN_314	37	M	29	3918042265	4412504.75
L2_OBIWAN_314	45	I	39	4610715128	542894.58
L2_OBIWAN_314	45	D	37	4610715128	1026908.19
L4_OBIWAN_309	14	M	16	124085969	3436768.12
L4_OBIWAN_309	22	M	25	8222431	28090.89
L4_OBIWAN_309	27	M	26	142594470	359005.41
L4_OBIWAN_309	33	M	27	440177223	793637.06
L4_OBIWAN_309	37	M	29	3892130036	4396698.78
L4_OBIWAN_309	45	I	39	4607210129	542478.22
L4_OBIWAN_309	45	D	37	4607210129	1023262.60
L4_OBIWAN_312	14	M	16	132880315	3403224.14
L4_OBIWAN_312	22	M	25	8762594	27226.86
L4_OBIWAN_312	27	M	27	151464903	308015.03
L4_OBIWAN_312	33	M	28	455989858	795479.78
L4_OBIWAN_312	37	M	30	3953529004	4420018.13
L4_OBIWAN_312	45	I	39	4702626674	548423.97
L4_OBIWAN_312	45	D	37	4702626674	1038319.14