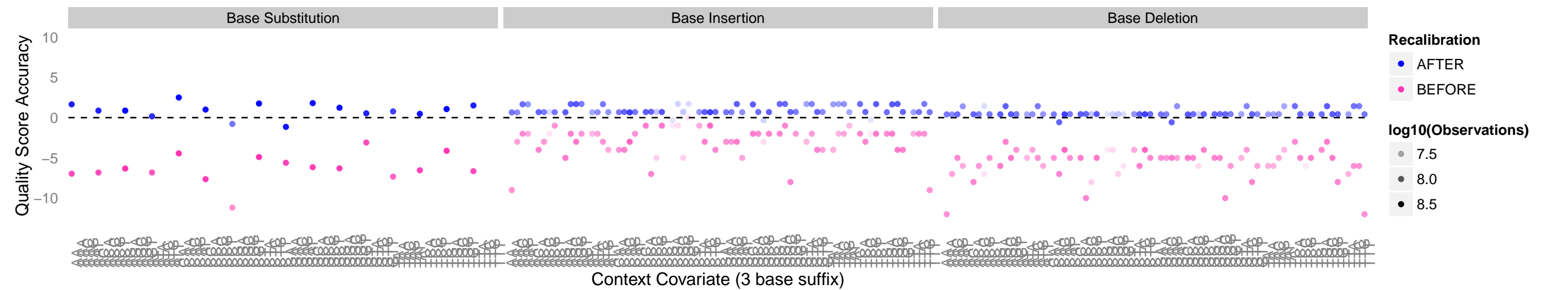
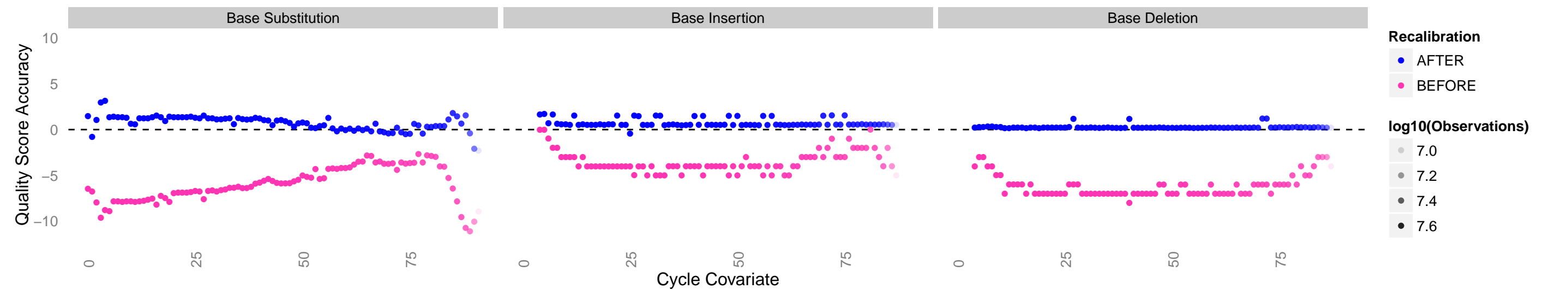
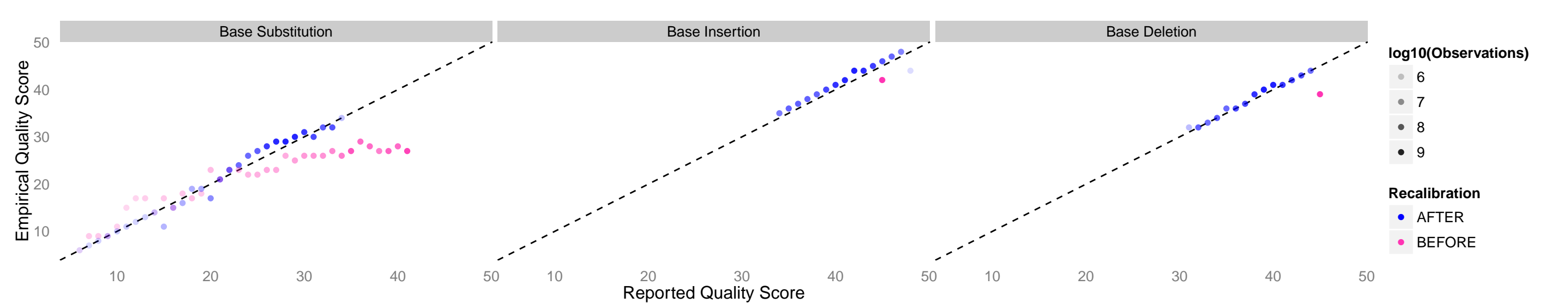
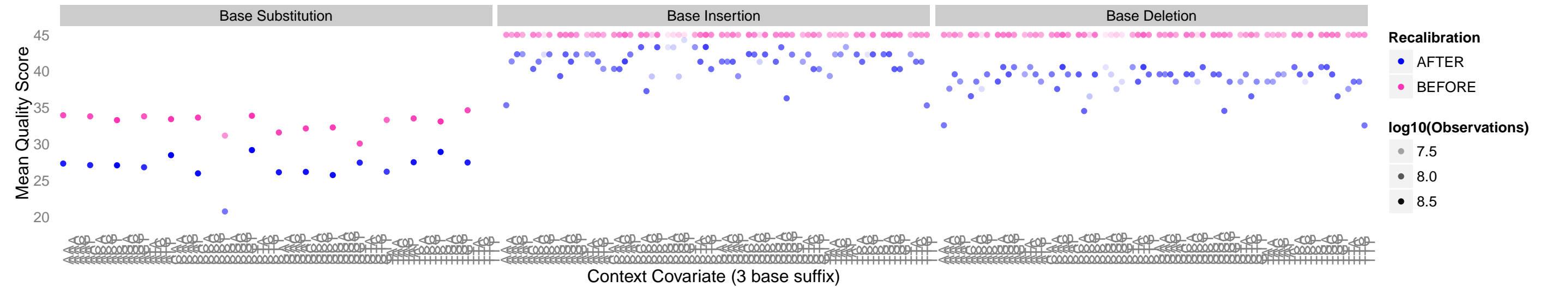
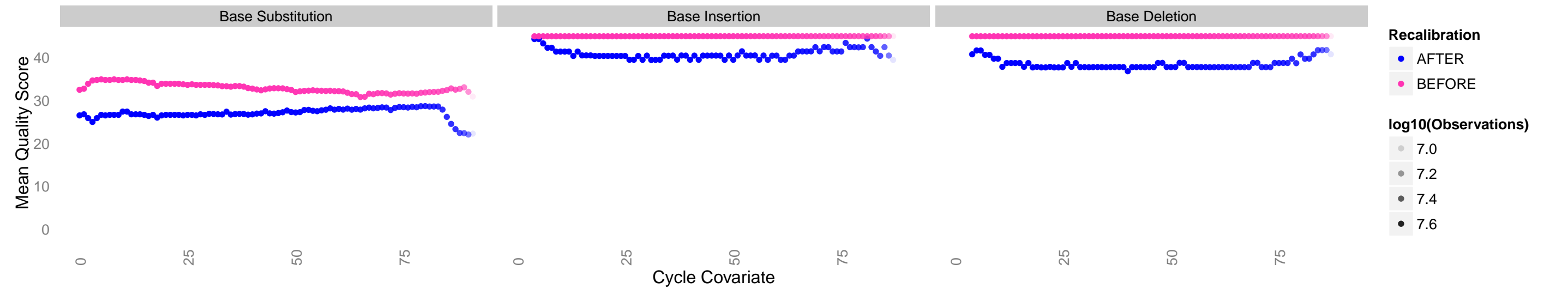
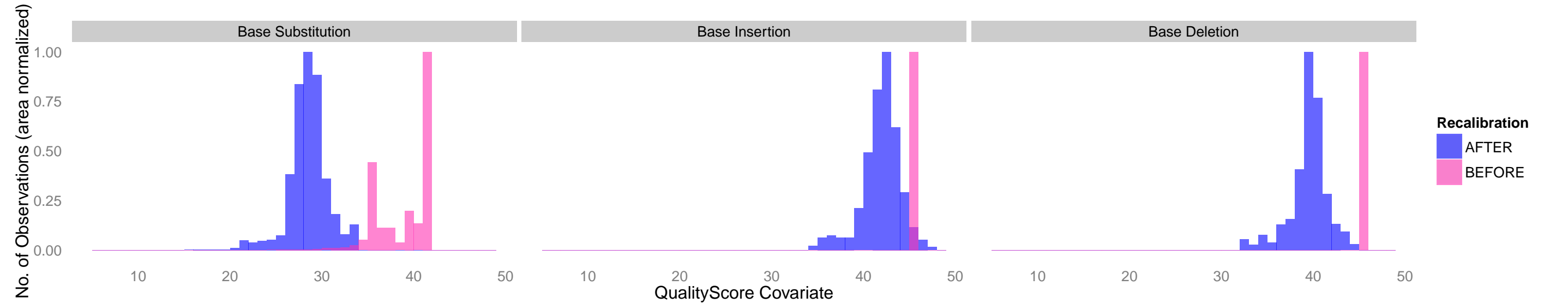


Argument	Value
binary_tag_name	None
covariate	ReadGroup,QualityScore,Context,Cycle
default_platform	None
deletions_default_quality	45
force_platform	None
indels_context_size	3
insertions_default_quality	45
low_quality_tail	2
maximum_cycle_value	500
mismatches_context_size	2
mismatches_default_quality	-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	UNIT1	UNIT1	UNIT1
EventType	M	I	D
EmpiricalQuality	27.0	42.0	39.0
EstimatedQReported	32.9	45.0	45.0
Observations	4.31e+09	4.31e+09	4.31e+09
Errors	9.05e+06	3.00e+05	5.57e+05

Error rates by event type and initial quality score

ReadGroup	QualityScore	EventType	EmpiricalQuality	Observations	Errors
UNIT1	6	M	6	296995	76015.92
UNIT1	7	M	9	1599758	222773.98
UNIT1	8	M	9	1676942	220863.03
UNIT1	9	M	9	806858	96033.78
UNIT1	10	M	11	1183140	101612.82
UNIT1	11	M	15	816495	24960.50
UNIT1	12	M	17	893231	19756.36
UNIT1	13	M	17	1359315	24672.78
UNIT1	14	M	14	440057	16695.62
UNIT1	15	M	17	1789713	34844.89
UNIT1	16	M	15	1317770	38570.59
UNIT1	17	M	18	2196654	31850.33
UNIT1	18	M	17	3098234	66718.58
UNIT1	19	M	18	1816676	30045.66
UNIT1	20	M	23	3512031	18519.25
UNIT1	21	M	21	1415576	11653.74
UNIT1	22	M	23	2765247	13585.97
UNIT1	23	M	23	3990373	21637.52
UNIT1	24	M	22	4903897	28841.20
UNIT1	25	M	22	6432211	37029.67
UNIT1	26	M	23	8892204	40040.98
UNIT1	27	M	23	8656530	40383.23
UNIT1	28	M	26	7287575	17562.41
UNIT1	29	M	25	14024457	44086.67
UNIT1	30	M	26	20878149	48299.17
UNIT1	31	M	26	24766217	64788.21
UNIT1	32	M	26	30121258	68423.59
UNIT1	33	M	27	51189565	101908.85
UNIT1	34	M	26	101571862	242363.21
UNIT1	35	M	27	869851394	1641126.13
UNIT1	36	M	29	221291471	271916.73
UNIT1	37	M	28	224035153	319319.16
UNIT1	38	M	27	74596212	150489.02
UNIT1	39	M	27	389677816	707628.96
UNIT1	40	M	28	263005720	468409.09
UNIT1	41	M	27	1958162032	3687607.62
UNIT1	45	I	42	4310318788	299820.76
UNIT1	45	D	39	4310318788	557282.47