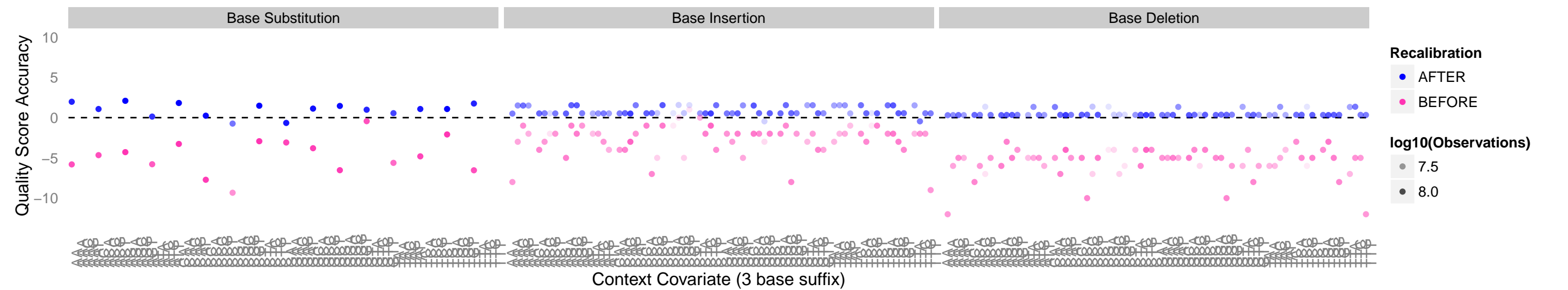
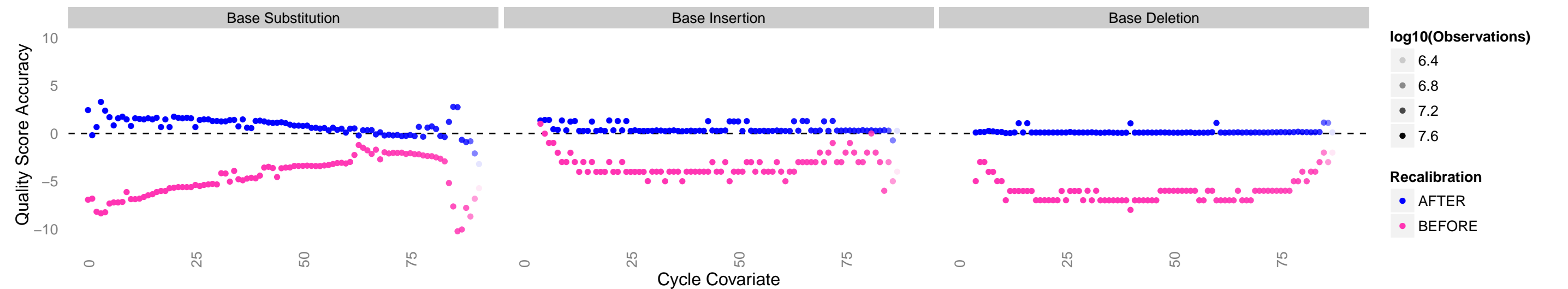
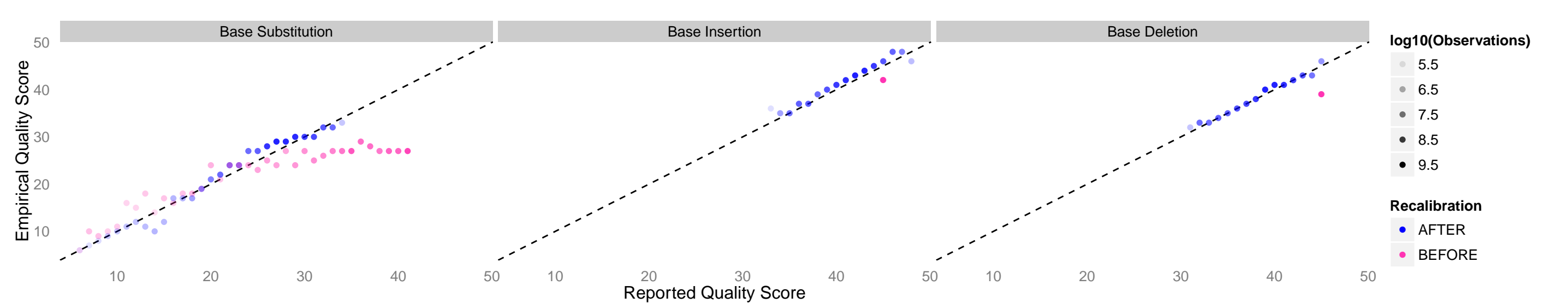
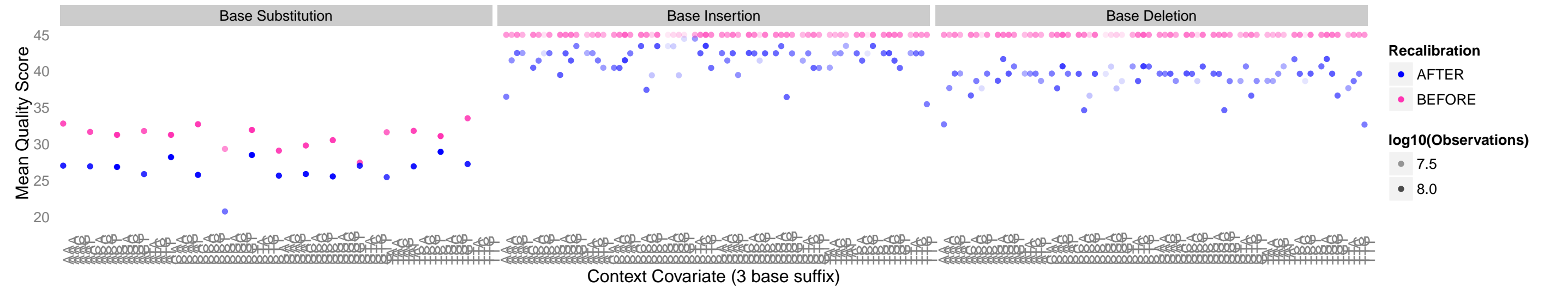
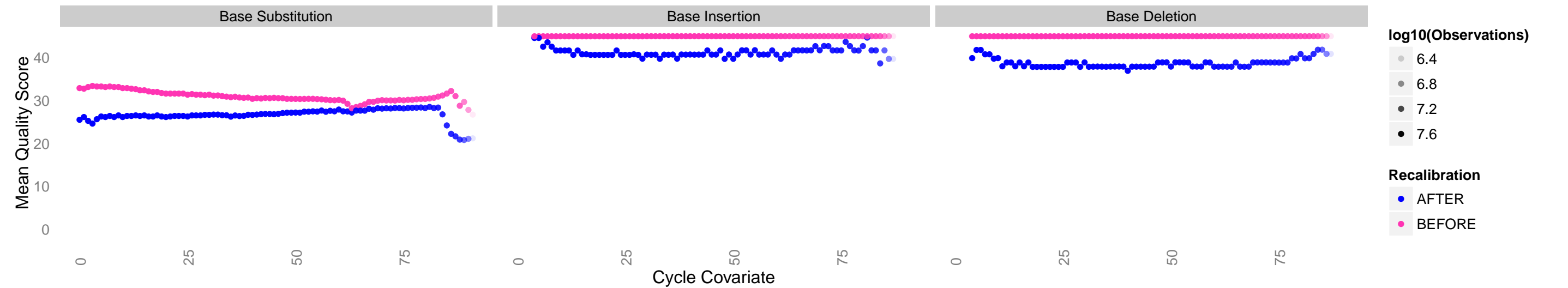
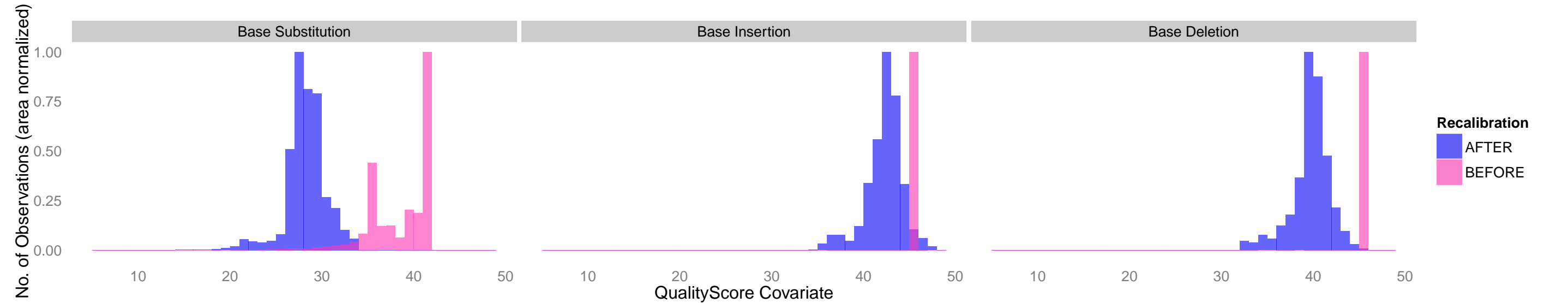


Argument	Value
binary_tag_name	None
covariate	ReadGroup,QualityScore,Context,Cycle
default_platform	None
deletions_default_quality	45
force_platform	None
indels_context_size	3
insertions_default_quality	45
low_quality_tail	2
maximum_cycle_value	500
mismatches_context_size	2
mismatches_default_quality	-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	26.0	42.0	39.0
EstimatedQReported	30.9	45.0	45.0
Observations	3.49e+09	3.49e+09	3.49e+09
Errors	8.11e+06	2.31e+05	4.32e+05

Error rates by event type and initial quality score

ReadGroup	QualityScore	EventType	EmpiricalQuality	Observations	Errors
UNIT1	6	M	6	554309	155833.62
UNIT1	7	M	10	2685944	301738.24
UNIT1	8	M	9	2586296	299757.76
UNIT1	9	M	10	1165366	113106.14
UNIT1	10	M	11	1533843	120651.70
UNIT1	11	M	16	930314	22809.88
UNIT1	12	M	15	883632	27607.18
UNIT1	13	M	18	1718219	24573.37
UNIT1	14	M	14	625491	26486.77
UNIT1	15	M	17	2289183	42479.02
UNIT1	16	M	16	1723797	46614.58
UNIT1	17	M	18	2448307	35510.99
UNIT1	18	M	18	4587830	73431.60
UNIT1	19	M	19	2571330	35490.92
UNIT1	20	M	24	5405986	22945.31
UNIT1	21	M	21	2184392	15691.28
UNIT1	22	M	24	3910080	16351.41
UNIT1	23	M	24	6229086	25819.10
UNIT1	24	M	24	7529463	31947.07
UNIT1	25	M	23	10590502	55209.67
UNIT1	26	M	25	13557329	43051.65
UNIT1	27	M	24	11669931	42171.81
UNIT1	28	M	27	10214729	21251.36
UNIT1	29	M	24	21718802	81353.33
UNIT1	30	M	27	28953553	61910.58
UNIT1	31	M	25	34823231	105061.62
UNIT1	32	M	26	39513202	100733.53
UNIT1	33	M	27	59258949	114083.90
UNIT1	34	M	27	120340388	237200.39
UNIT1	35	M	27	633901387	1238945.37
UNIT1	36	M	29	173519097	230667.17
UNIT1	37	M	28	178157217	266221.80
UNIT1	38	M	27	93849882	181275.07
UNIT1	39	M	27	294747017	539457.30
UNIT1	40	M	27	270466630	497587.91
UNIT1	41	M	27	1439644493	2852063.82
UNIT1	45	I	42	3486489207	230669.04
UNIT1	45	D	39	3486489207	432303.87