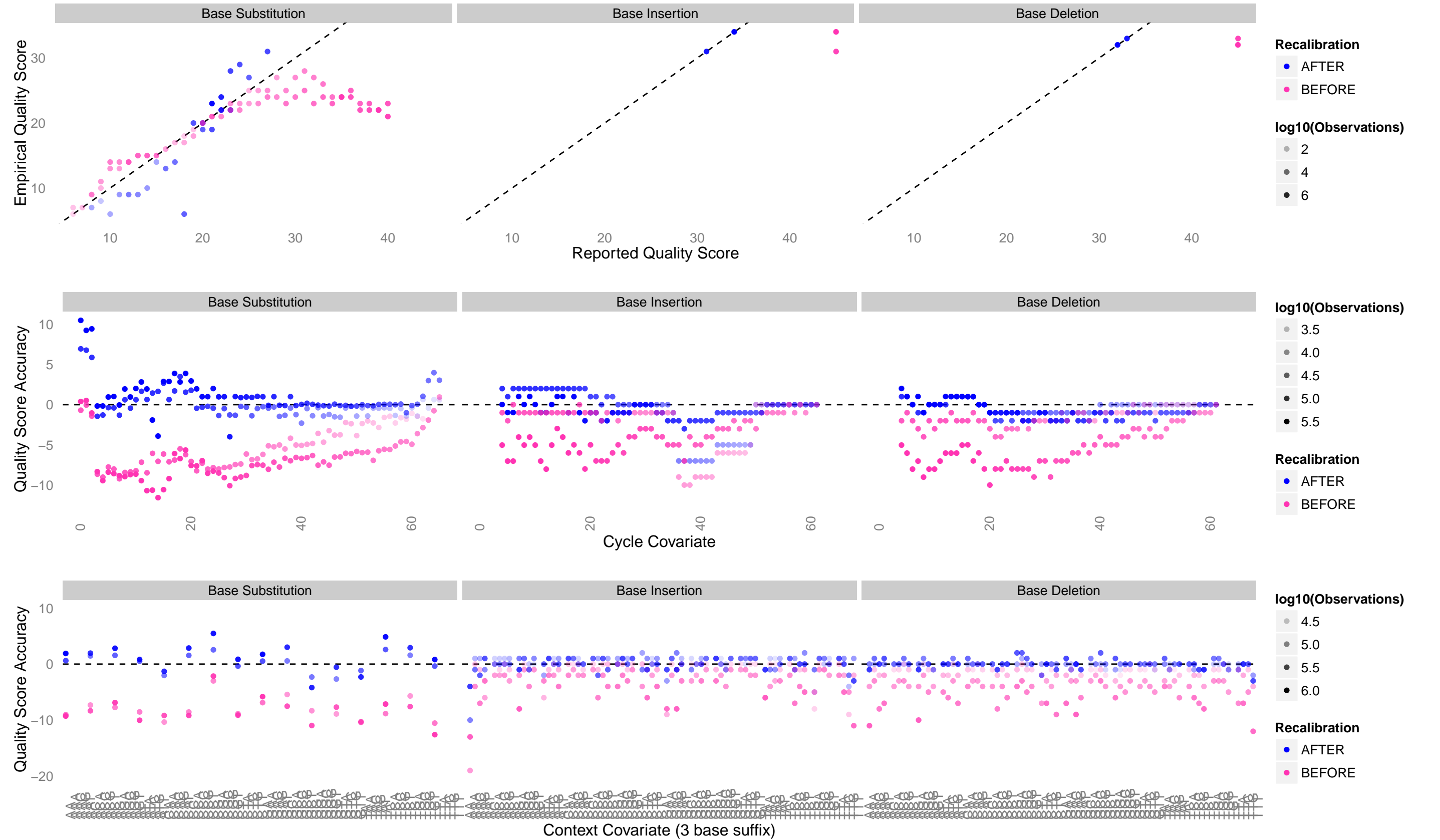
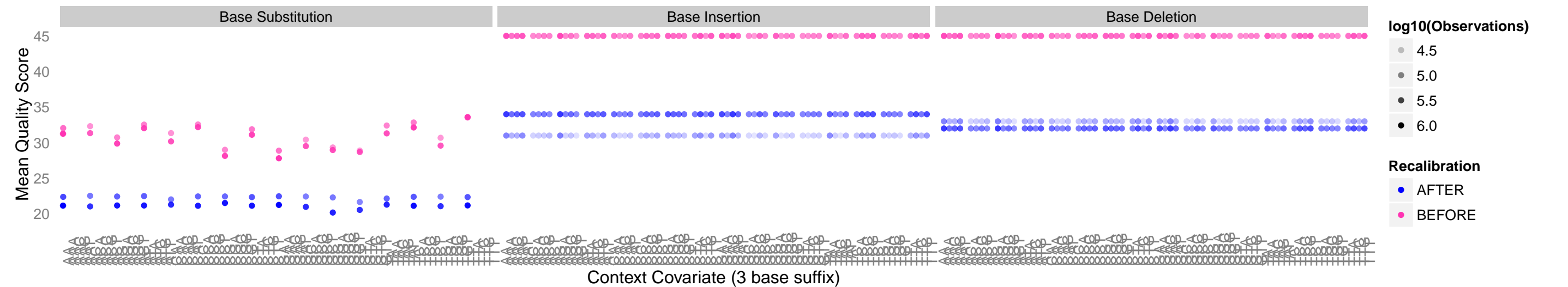
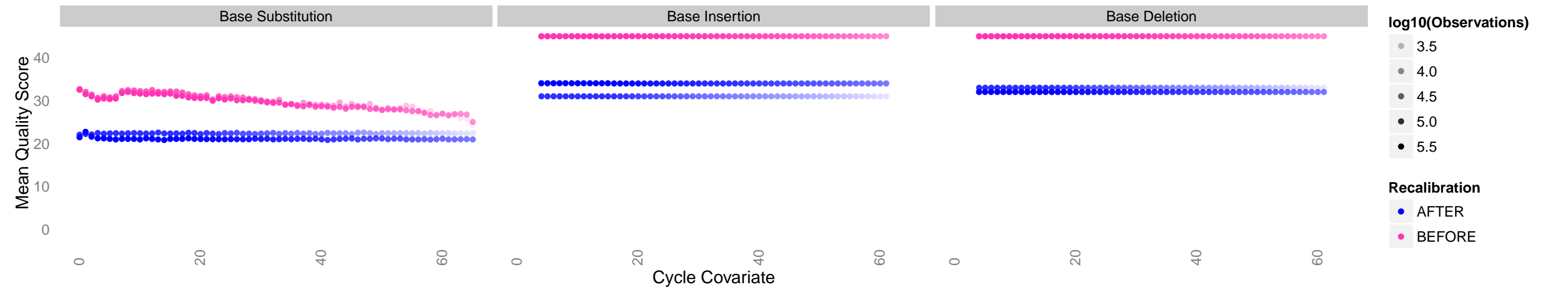
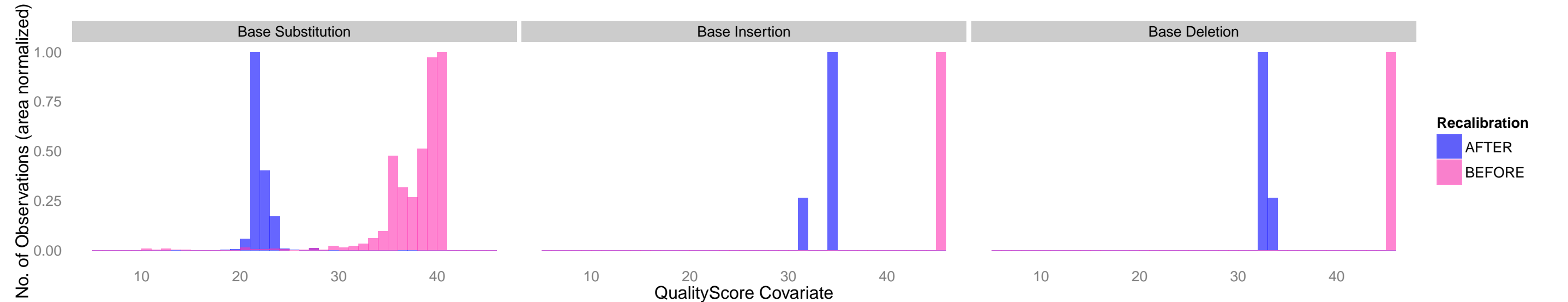


Argument	Value
binary_tag_name	None
covariate	ReadGroup,QualityScore,Context,Cycle
default_platform	None
deletions_default_quality	45
force_platform	None
indels_context_size	3
insertions_default_quality	45
low_quality_tail	2
maximum_cycle_value	500
mismatches_context_size	2
mismatches_default_quality	-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	Pbar2	Pbar2	Pbar2	Pbar1	Pbar1	Pbar1
EventType	M	I	D	M	I	D
EmpiricalQuality	22.0	34.0	32.0	23.0	31.0	33.0
EstimatedQReported	30.3	45.0	45.0	31.2	45.0	45.0
Observations	1.14e+07	1.14e+07	1.14e+07	3.00e+06	3.00e+06	3.00e+06
Errors	7.44e+04	4.97e+03	7.07e+03	1.67e+04	2.45e+03	1.69e+03

Error rates by event type and initial quality score

ReadGroup	QualityScore	EventType	EmpiricalQuality	Observations	Errors
Pbar2	6	M	7	136	16.35
Pbar2	7	M	7	41	10.33
Pbar2	8	M	9	2612	302.24
Pbar2	9	M	11	3447	223.17
Pbar2	10	M	14	30267	1054.83
Pbar2	11	M	14	12018	493.46
Pbar2	12	M	14	27125	980.08
Pbar2	13	M	15	7972	207.85
Pbar2	14	M	15	9668	288.36
Pbar2	15	M	15	3704	111.38
Pbar2	16	M	16	237	5.79
Pbar2	17	M	17	84	1.98
Pbar2	18	M	17	937	29.51
Pbar2	19	M	18	1713	37.83
Pbar2	20	M	20	41388	362.49
Pbar2	21	M	21	14886	102.41
Pbar2	22	M	21	15335	118.54
Pbar2	23	M	22	23887	177.98
Pbar2	24	M	22	17208	137.18
Pbar2	25	M	23	2242	35.35
Pbar2	26	M	23	8434	96.15
Pbar2	27	M	24	36281	190.16
Pbar2	28	M	24	12078	107.70
Pbar2	29	M	23	65644	477.66
Pbar2	30	M	24	45257	297.04
Pbar2	31	M	25	65962	313.77
Pbar2	32	M	23	100347	659.91
Pbar2	33	M	24	174950	804.59
Pbar2	34	M	23	292407	1754.57
Pbar2	35	M	24	1357524	5445.61
Pbar2	36	M	24	897753	3821.36
Pbar2	37	M	22	766597	5537.08
Pbar2	38	M	22	1454392	10113.06
Pbar2	39	M	22	2925941	18646.16
Pbar2	40	M	21	2933259	21428.00
Pbar2	45	I	34	11351733	4966.57
Pbar2	45	D	32	11351733	7069.42
Pbar1	6	M	6	28	0.04
Pbar1	7	M	7	8	2.00
Pbar1	8	M	9	285	23.83
Pbar1	9	M	10	423	25.86
Pbar1	10	M	13	6027	221.93
Pbar1	11	M	13	2449	92.11
Pbar1	12	M	14	6036	178.09
Pbar1	13	M	15	1704	31.65
Pbar1	14	M	15	2620	58.14
Pbar1	15	M	15	1081	38.37
Pbar1	16	M	16	16	0.03
Pbar1	17	M	17	5	0.00
Pbar1	18	M	18	65	0.00
Pbar1	19	M	19	131	1.17
Pbar1	20	M	20	7843	87.23
Pbar1	21	M	21	3663	25.59
Pbar1	22	M	22	3177	26.46
Pbar1	23	M	23	6266	42.34
Pbar1	24	M	23	4217	38.35
Pbar1	25	M	25	398	7.25
Pbar1	26	M	25	2304	21.62
Pbar1	27	M	25	9843	65.80
Pbar1	28	M	27	2369	22.94
Pbar1	29	M	25	15245	116.78
Pbar1	30	M	27	11522	62.52
Pbar1	31	M	28	17044	90.44
Pbar1	32	M	27	24244	139.42
Pbar1	33	M	26	52650	256.43
Pbar1	34	M	24	70950	429.35
Pbar1	35	M	24	406456	1762.12
Pbar1	36	M	25	269578	1094.05
Pbar1	37	M	23	217459	1313.73
Pbar1	38	M	23	434821	2480.34
Pbar1	39	M	22	662914	4149.56
Pbar1	40	M	23	757637	3764.90
Pbar1	45	I	31	3001478	2452.74
Pbar1	45	D	33	3001478	1687.02