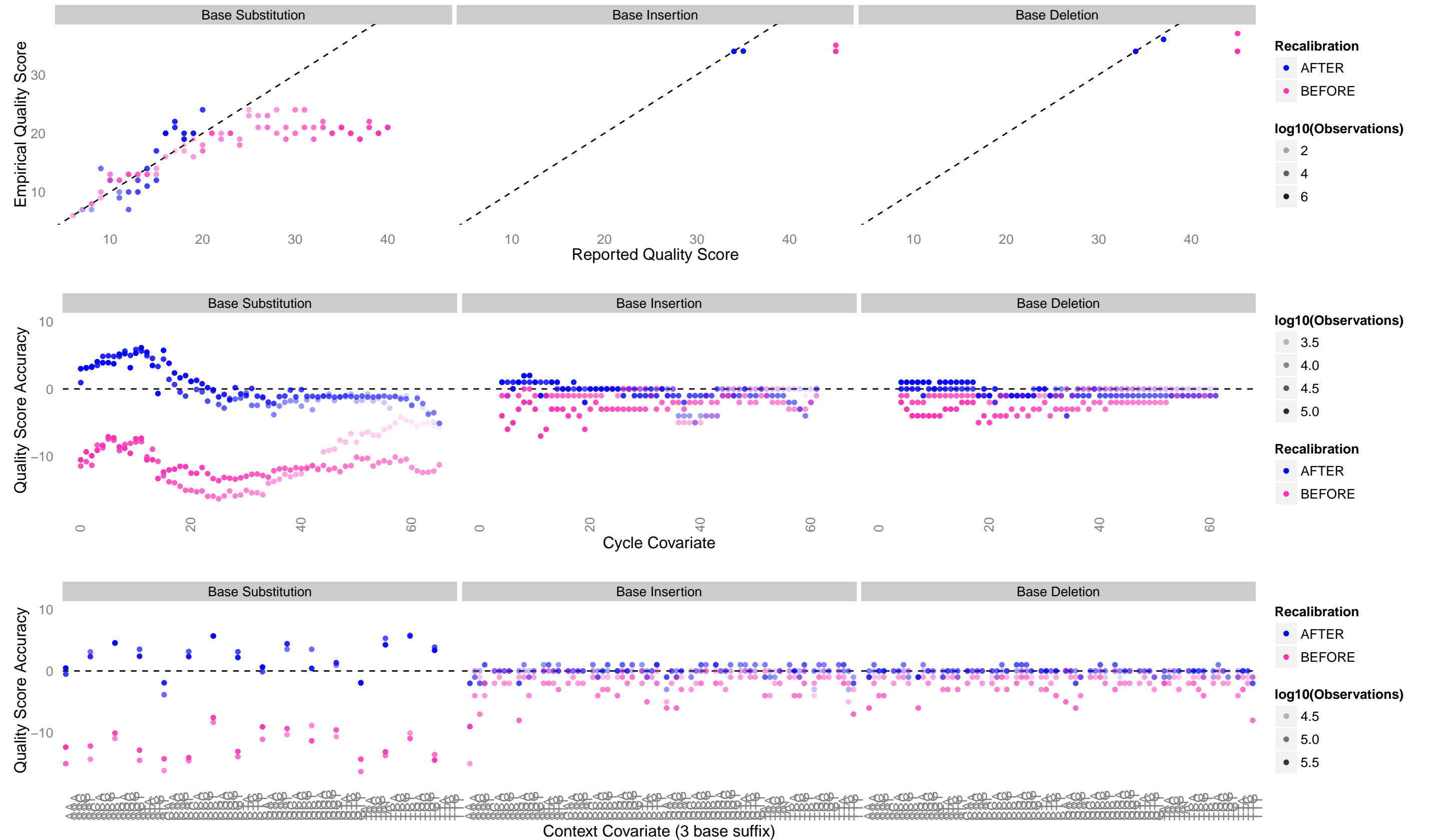
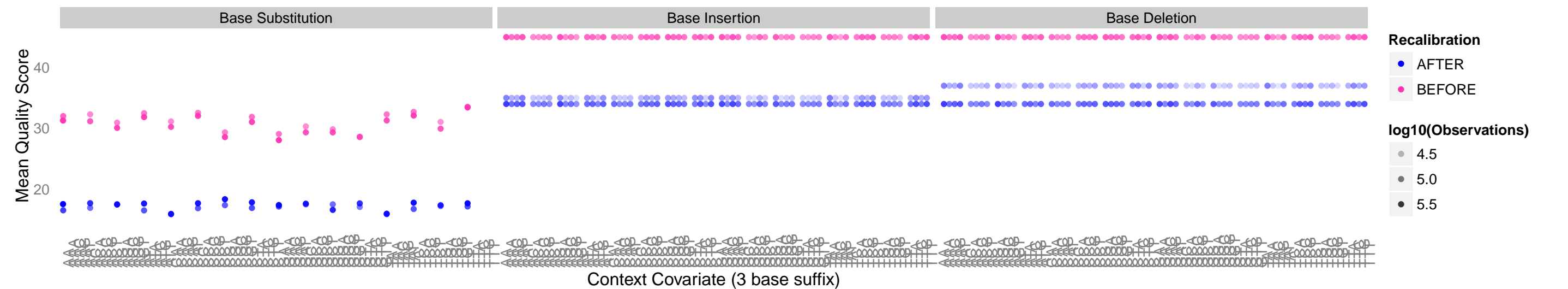
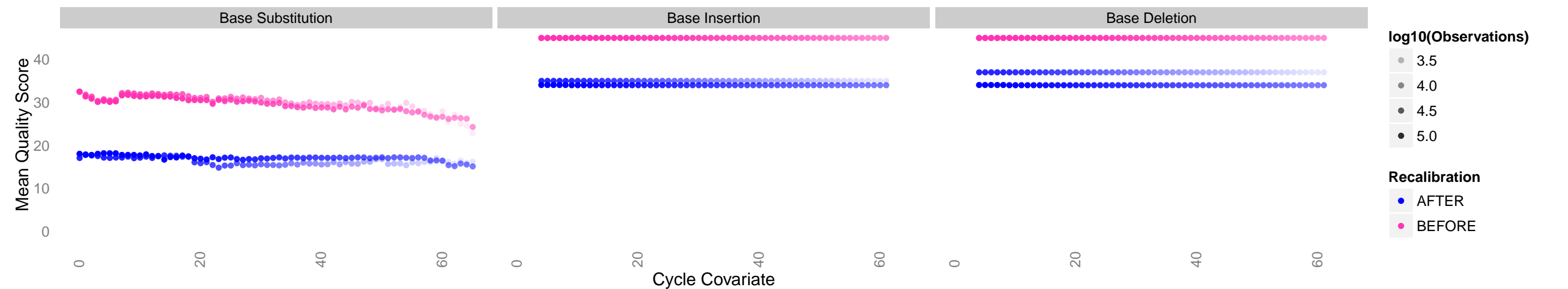
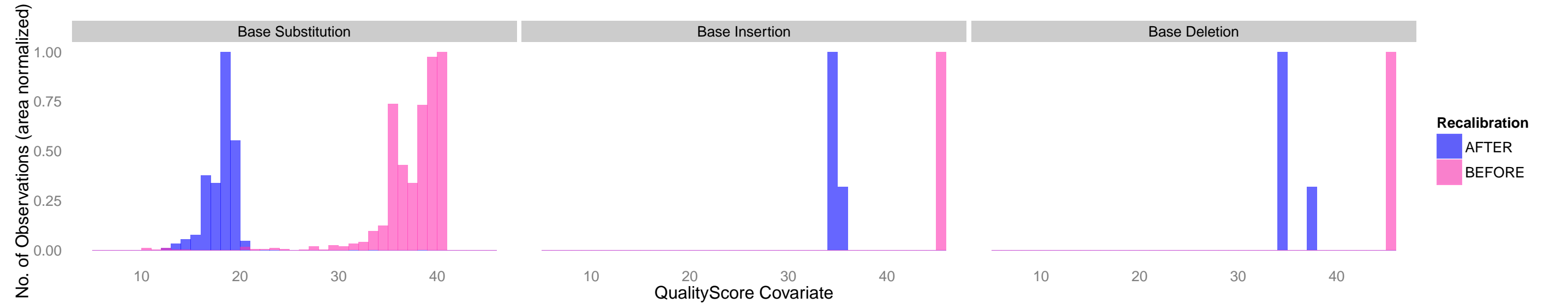


Argument	Value
binary_tag_name	None
covariate	ReadGroup,QualityScore,Context,Cycle
default_platform	None
deletions_default_quality	45
force_platform	None
indels_context_size	3
insertions_default_quality	45
low_quality_tail	2
maximum_cycle_value	500
mismatches_context_size	2
mismatches_default_quality	-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	19.0	34.0	34.0	18.0	35.0	37.0
EstimatedQReported	30.4	45.0	45.0	31.2	45.0	45.0
Observations	8.76e+06	8.76e+06	8.76e+06	2.81e+06	2.81e+06	2.81e+06
Errors	1.20e+05	3.41e+03	3.36e+03	4.49e+04	1.13e+03	7.49e+02

Error rates by event type and initial quality score

ReadGroup	QualityScore	EventType	EmpiricalQuality	Observations	Errors
Pbar2	6	M	6	58	10.32
Pbar2	7	M	7	16	4.00
Pbar2	8	M	8	1519	222.08
Pbar2	9	M	10	2179	181.14
Pbar2	10	M	13	22385	1159.58
Pbar2	11	M	12	8287	514.83
Pbar2	12	M	13	21742	1148.07
Pbar2	13	M	13	5919	276.26
Pbar2	14	M	13	7374	415.62
Pbar2	15	M	13	2758	166.33
Pbar2	16	M	16	139	10.63
Pbar2	17	M	17	38	1.68
Pbar2	18	M	17	530	29.64
Pbar2	19	M	16	1067	69.50
Pbar2	20	M	17	32571	659.59
Pbar2	21	M	20	13916	162.39
Pbar2	22	M	19	10557	202.54
Pbar2	23	M	20	20339	250.99
Pbar2	24	M	18	13196	287.05
Pbar2	25	M	23	1393	46.21
Pbar2	26	M	21	6623	142.56
Pbar2	27	M	21	36191	388.44
Pbar2	28	M	20	8801	240.94
Pbar2	29	M	19	52303	754.89
Pbar2	30	M	20	39115	513.39
Pbar2	31	M	21	60861	597.56
Pbar2	32	M	19	79778	1123.69
Pbar2	33	M	21	171590	1448.69
Pbar2	34	M	20	238244	2830.25
Pbar2	35	M	21	1322855	9952.75
Pbar2	36	M	20	775859	7290.24
Pbar2	37	M	19	621051	7932.54
Pbar2	38	M	21	1312821	10217.49
Pbar2	39	M	20	1950718	35136.78
Pbar2	40	M	21	1920293	35412.07
Pbar2	45	I	34	8763086	3411.56
Pbar2	45	D	34	8763086	3363.40
Pbar1	6	M	6	5	0.00
Pbar1	7	M	7	2	0.00
Pbar1	8	M	8	128	17.28
Pbar1	9	M	9	245	25.26
Pbar1	10	M	12	5165	280.69
Pbar1	11	M	12	1767	113.19
Pbar1	12	M	13	6242	302.79
Pbar1	13	M	13	1496	85.15
Pbar1	14	M	13	2470	155.05
Pbar1	15	M	14	873	62.77
Pbar1	16	M	16	7	0.00
Pbar1	18	M	18	32	3.18
Pbar1	19	M	19	74	4.94
Pbar1	20	M	18	7881	179.49
Pbar1	21	M	20	3996	59.59
Pbar1	22	M	20	2347	64.60
Pbar1	23	M	20	6525	102.03
Pbar1	24	M	19	3774	125.11
Pbar1	25	M	24	198	8.87
Pbar1	26	M	23	2234	54.18
Pbar1	27	M	23	12694	137.58
Pbar1	28	M	24	2027	80.96
Pbar1	29	M	21	14258	246.44
Pbar1	30	M	24	12850	146.50
Pbar1	31	M	24	20689	201.57
Pbar1	32	M	21	23984	382.05
Pbar1	33	M	22	66694	557.17
Pbar1	34	M	20	70338	996.82
Pbar1	35	M	21	505848	4349.66
Pbar1	36	M	20	292505	3103.55
Pbar1	37	M	19	222104	3002.31
Pbar1	38	M	22	499331	3574.17
Pbar1	39	M	20	466426	12347.15
Pbar1	40	M	21	557216	14113.46
Pbar1	45	I	35	2812425	1132.76
Pbar1	45	D	37	2812425	748.68