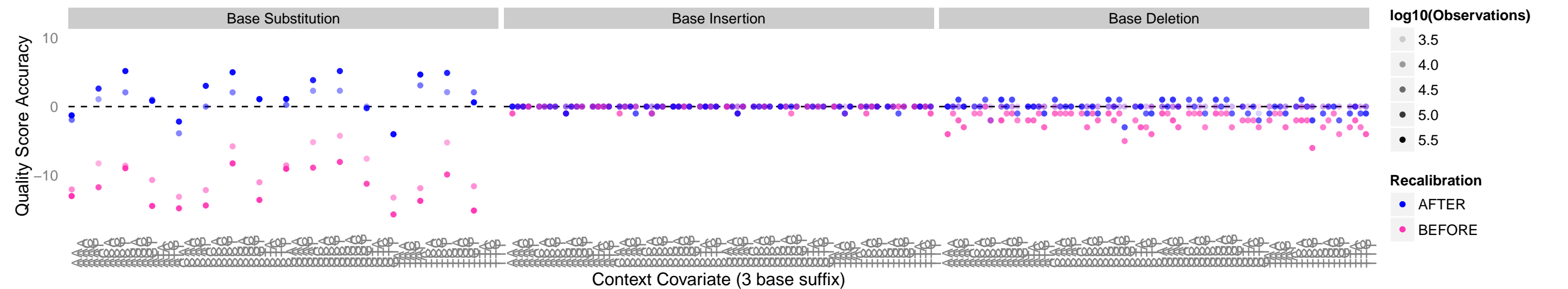
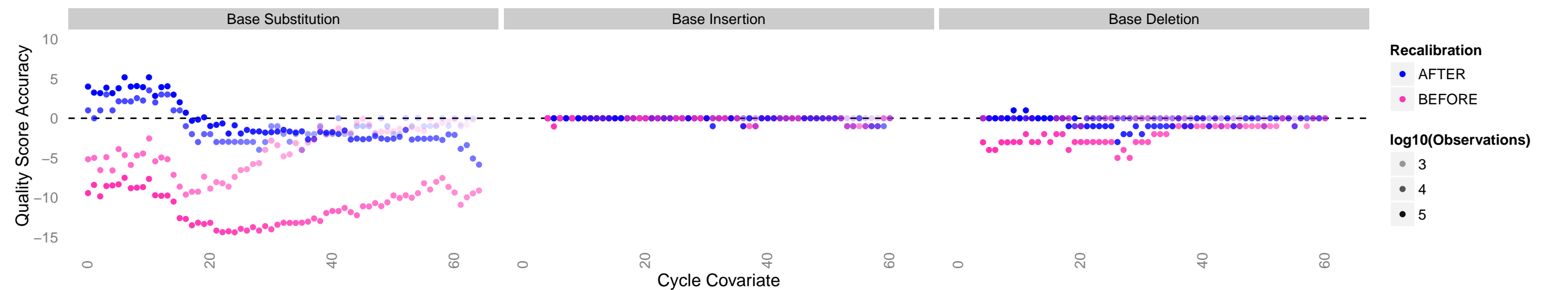
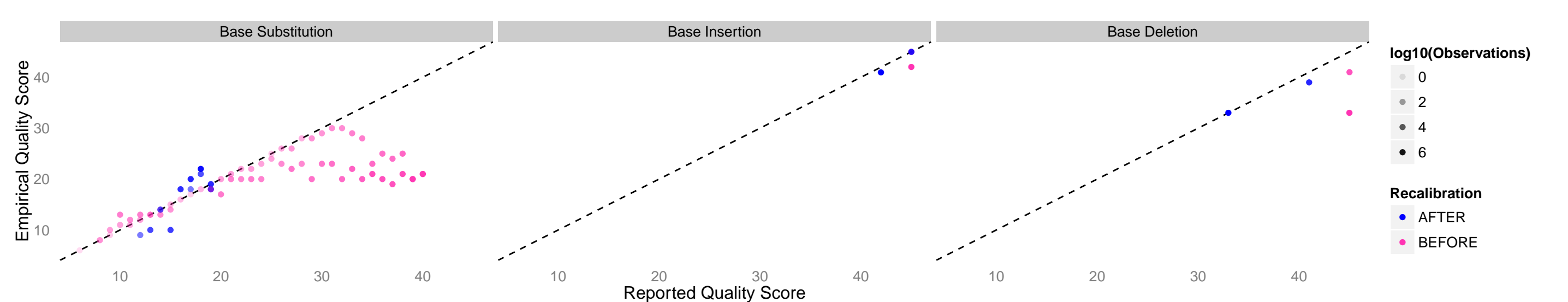
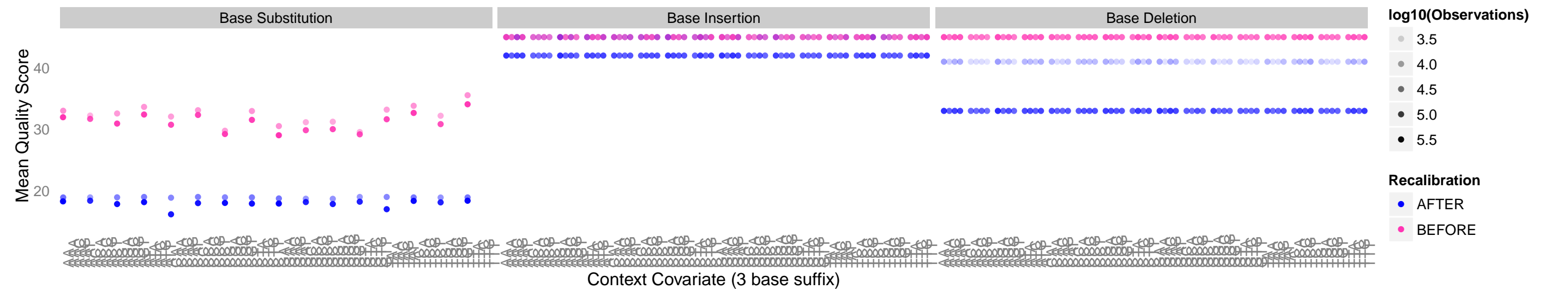
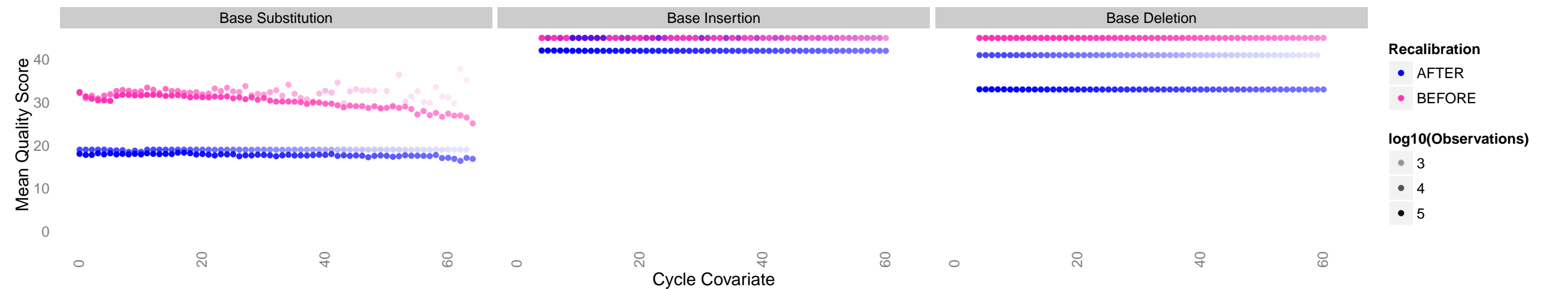
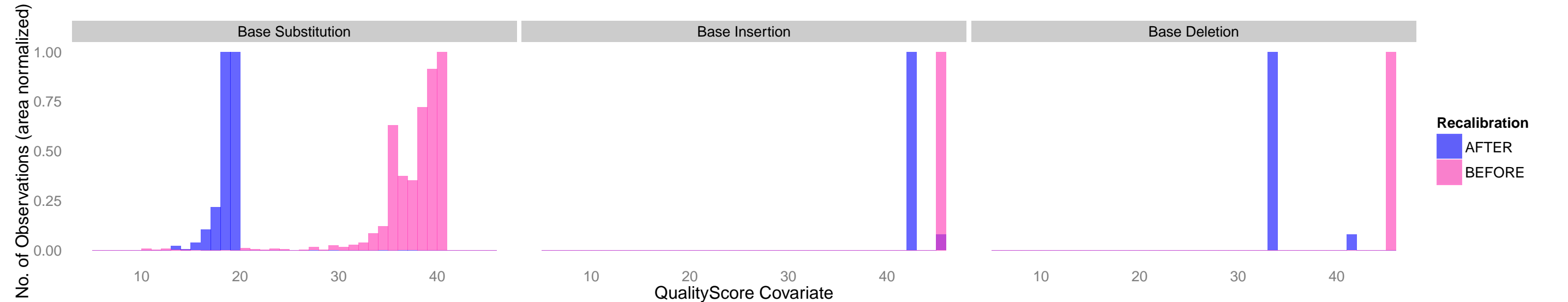


Argument	Value
binary_tag_name	None
covariate	ReadGroup,QualityScore,Context,Cycle
default_platform	None
deletions_default_quality	45
force_platform	None
indels_context_size	3
insertions_default_quality	45
low_quality_tail	2
maximum_cycle_value	500
mismatches_context_size	2
mismatches_default_quality	-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	Cflo1	Cflo1	Cflo1	Cflo2	Cflo2	Cflo2
EventType	M	I	D	M	I	D
EmpiricalQuality	19.0	42.0	33.0	19.0	45.0	41.0
EstimatedQReported	31.0	45.0	45.0	32.2	45.0	45.0
Observations	4.45e+06	4.45e+06	4.45e+06	3.55e+05	3.55e+05	3.55e+05
Errors	6.06e+04	3.63e+02	2.32e+03	4.58e+03	1.25e+01	8.67e+01

Error rates by event type and initial quality score

ReadGroup	QualityScore	EventType	EmpiricalQuality	Observations	Errors
Cflo1	6	M	6	4	1.00
Cflo1	8	M	9	346	48.19
Cflo1	9	M	10	698	59.33
Cflo1	10	M	13	9083	430.02
Cflo1	11	M	12	3410	197.28
Cflo1	12	M	13	9605	462.02
Cflo1	13	M	13	2941	140.38
Cflo1	14	M	13	3874	213.33
Cflo1	15	M	14	1510	86.82
Cflo1	16	M	16	19	3.00
Cflo1	17	M	17	12	0.17
Cflo1	18	M	18	104	9.04
Cflo1	19	M	18	233	16.02
Cflo1	20	M	17	12656	274.47
Cflo1	21	M	20	6877	88.59
Cflo1	22	M	20	4545	93.36
Cflo1	23	M	20	10178	170.34
Cflo1	24	M	20	6570	132.80
Cflo1	25	M	24	457	18.46
Cflo1	26	M	23	3510	58.53
Cflo1	27	M	22	16345	182.83
Cflo1	28	M	23	3786	104.81
Cflo1	29	M	20	24881	399.78
Cflo1	30	M	23	18660	216.20
Cflo1	31	M	23	28835	301.79
Cflo1	32	M	20	40114	602.92
Cflo1	33	M	22	87620	694.39
Cflo1	34	M	20	121522	1549.41
Cflo1	35	M	21	637326	4793.76
Cflo1	36	M	20	375572	3779.50
Cflo1	37	M	19	351415	4444.90
Cflo1	38	M	21	720732	5405.11
Cflo1	39	M	20	934753	17578.49
Cflo1	40	M	21	1009678	18082.43
Cflo1	45	I	42	4447871	362.89
Cflo1	45	D	33	4447871	2318.41
Cflo2	8	M	8	4	0.17
Cflo2	9	M	9	15	2.00
Cflo2	10	M	11	483	23.45
Cflo2	11	M	11	186	12.61
Cflo2	12	M	12	495	18.80
Cflo2	13	M	13	202	13.48
Cflo2	14	M	14	251	14.53
Cflo2	15	M	15	83	4.92
Cflo2	16	M	16	1	0.17
Cflo2	20	M	20	596	10.10
Cflo2	21	M	21	532	6.28
Cflo2	22	M	22	226	6.46
Cflo2	23	M	22	708	21.45
Cflo2	24	M	23	403	14.45
Cflo2	25	M	25	21	0.70
Cflo2	26	M	26	275	7.76
Cflo2	27	M	26	1211	13.97
Cflo2	28	M	28	158	6.04
Cflo2	29	M	28	1788	26.09
Cflo2	30	M	29	1263	14.42
Cflo2	31	M	30	2392	18.45
Cflo2	32	M	30	2782	38.88
Cflo2	33	M	29	7153	67.81
Cflo2	34	M	28	9869	111.67
Cflo2	35	M	23	51335	443.05
Cflo2	36	M	25	31981	297.89
Cflo2	37	M	24	32194	341.58
Cflo2	38	M	25	66060	411.41
Cflo2	39	M	20	62328	1180.56
Cflo2	40	M	21	79634	1450.69
Cflo2	45	I	45	354629	12.50
Cflo2	45	D	41	354629	86.72