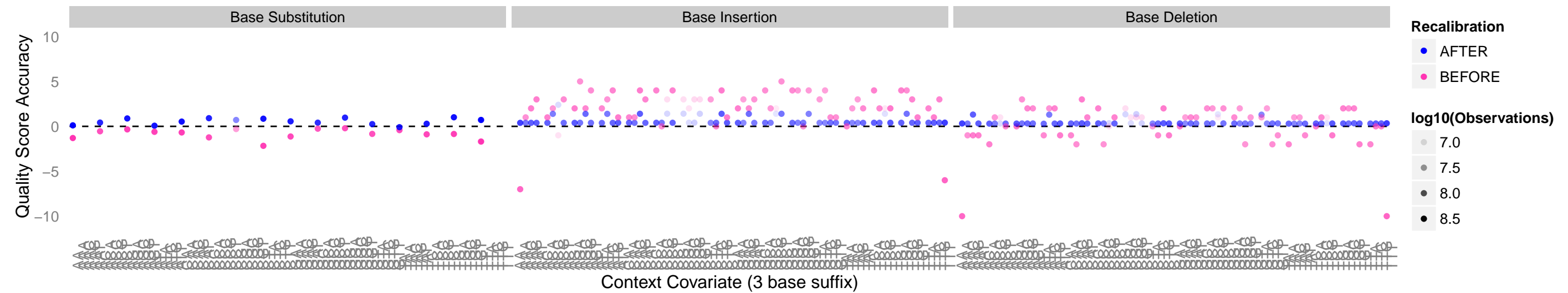
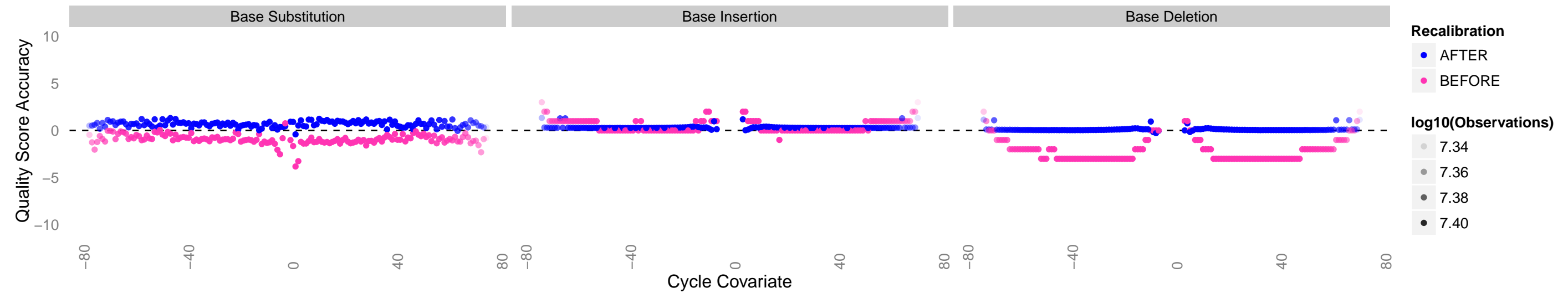
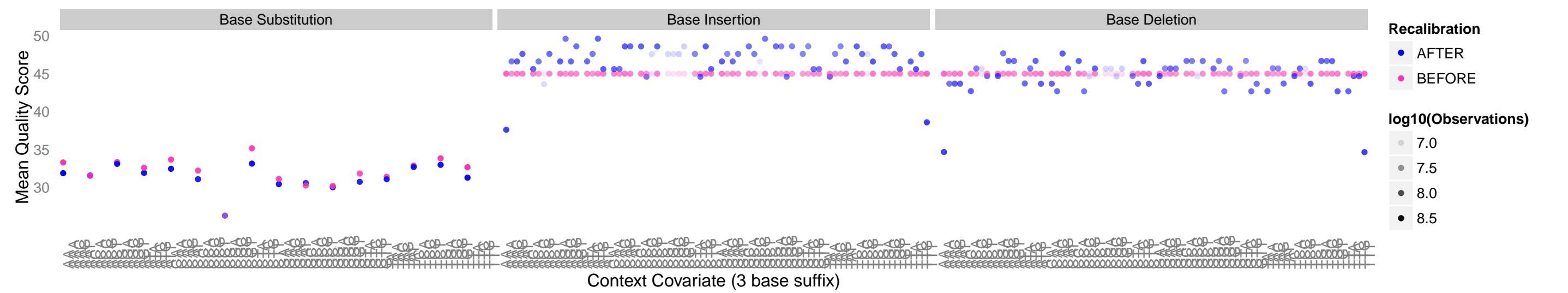
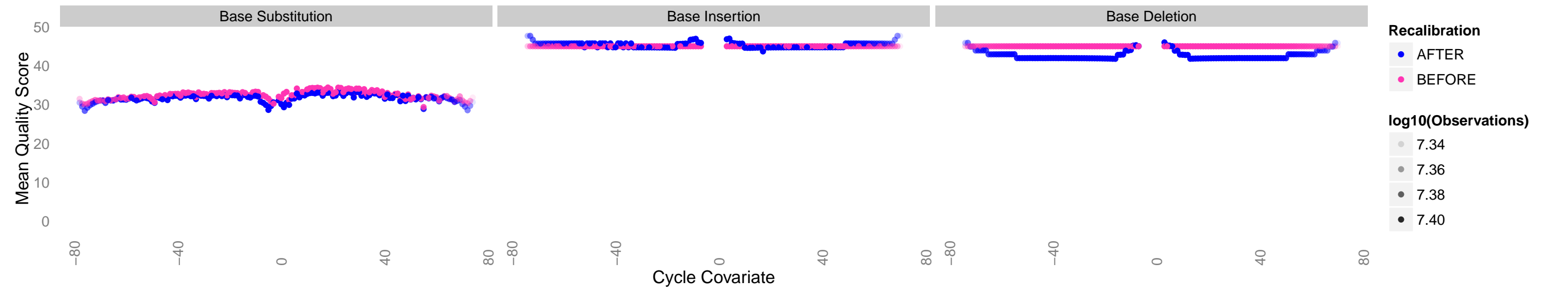
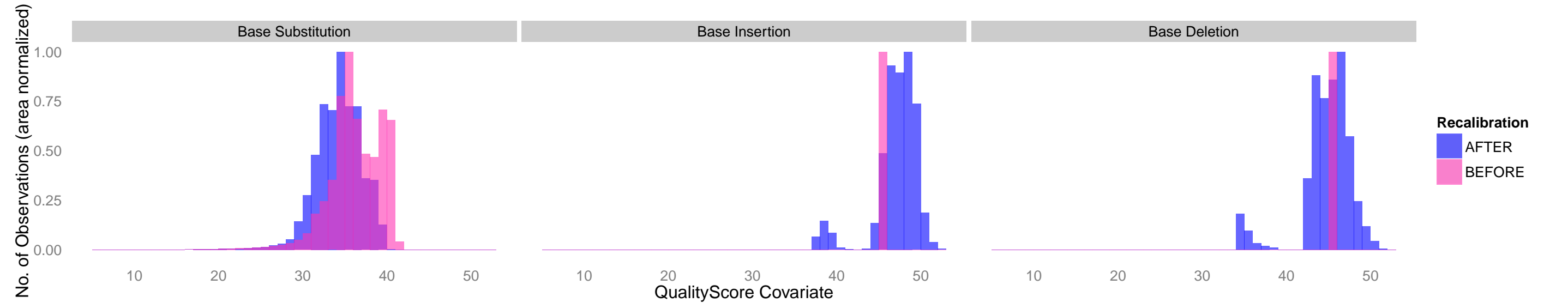


Argument	Value
binary_tag_name	None
covariate	ReadGroup,QualityScore,Context,Cycle
default_platform	None
deletions_default_quality	45
force_platform	None
indels_context_size	3
insertions_default_quality	45
low_quality_tail	2
maximum_cycle_value	500
mismatches_context_size	2
mismatches_default_quality	-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	none	none	none
EventType	M	I	D
EmpiricalQuality	31.0	46.0	43.0
EstimatedQReported	32.2	45.0	45.0
Observations	3.87e+09	3.87e+09	3.87e+09
Errors	2.84e+06	1.02e+05	1.90e+05

Error rates by event type and initial quality score

ReadGroup	QualityScore	EventType	EmpiricalQuality	Observations	Errors
none	6	M	6	411605	108904.07
none	7	M	7	443727	89072.78
none	8	M	8	511784	81622.28
none	9	M	9	618818	75040.35
none	10	M	10	678959	64878.52
none	11	M	11	719668	58138.77
none	12	M	12	1041948	66118.18
none	13	M	13	1277315	61032.00
none	14	M	14	1227714	44882.87
none	15	M	15	1397915	42104.93
none	16	M	16	1707526	40566.54
none	17	M	17	1835707	35845.15
none	18	M	18	2285824	35883.02
none	19	M	19	3178803	38076.40
none	20	M	20	3672140	35991.79
none	21	M	21	4356712	32720.89
none	22	M	22	5255655	30740.23
none	23	M	23	6371026	29527.12
none	24	M	24	8019032	30499.99
none	25	M	25	10187305	30561.45
none	26	M	26	13028045	31824.91
none	27	M	27	17564014	33635.44
none	28	M	28	22169612	35487.53
none	29	M	29	32972926	43034.13
none	30	M	30	55766926	60806.91
none	31	M	30	120143901	110760.14
none	32	M	31	161618193	131580.20
none	33	M	32	231571432	158099.79
none	34	M	33	510999094	287589.68
none	35	M	33	658552301	314061.35
none	36	M	34	435600111	181152.59
none	37	M	34	319688814	115199.68
none	38	M	36	308758516	84966.68
none	39	M	36	466651885	116241.26
none	40	M	36	431182357	100635.51
none	41	M	37	27547795	6143.39
none	45	I	46	3869015105	102165.14
none	45	D	43	3869015105	190048.51