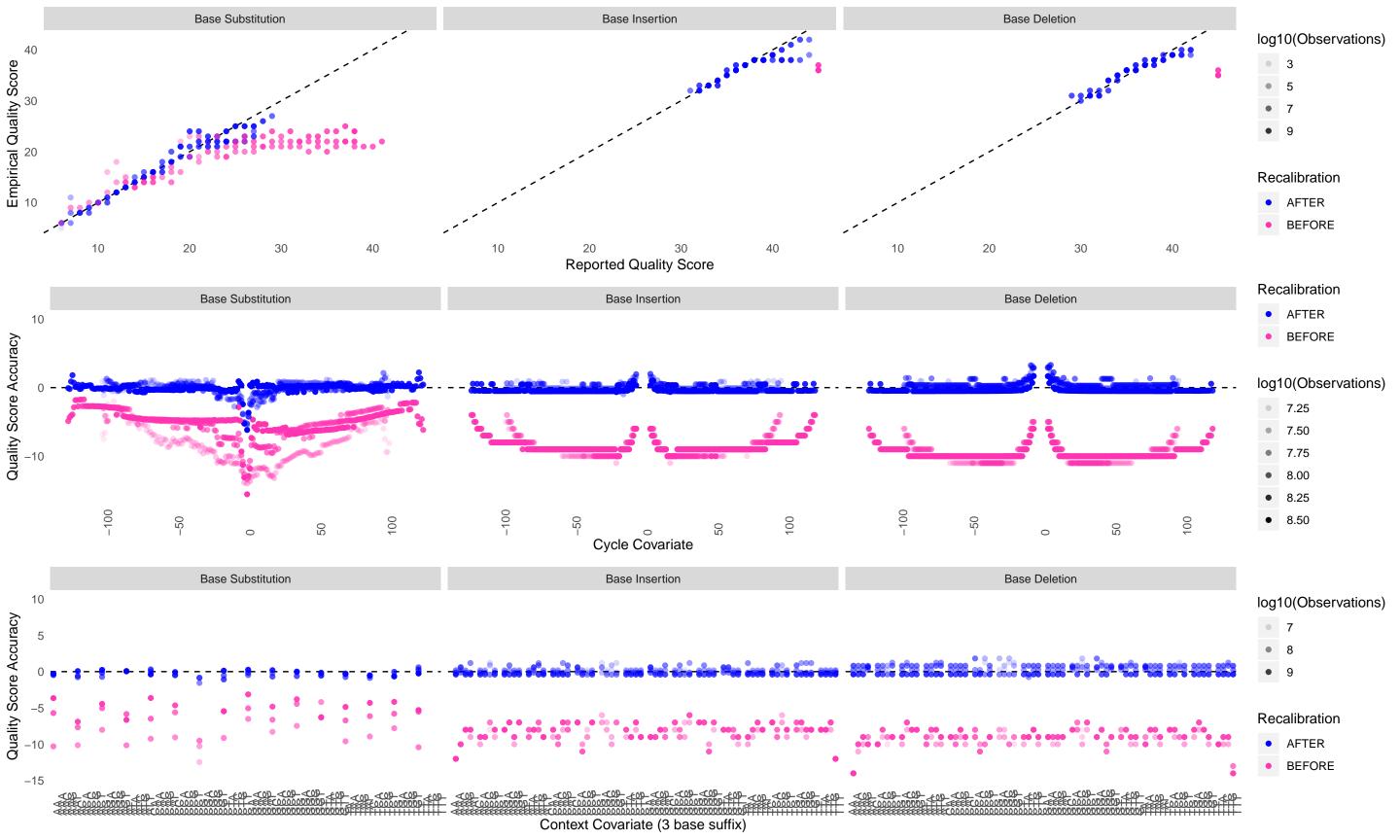
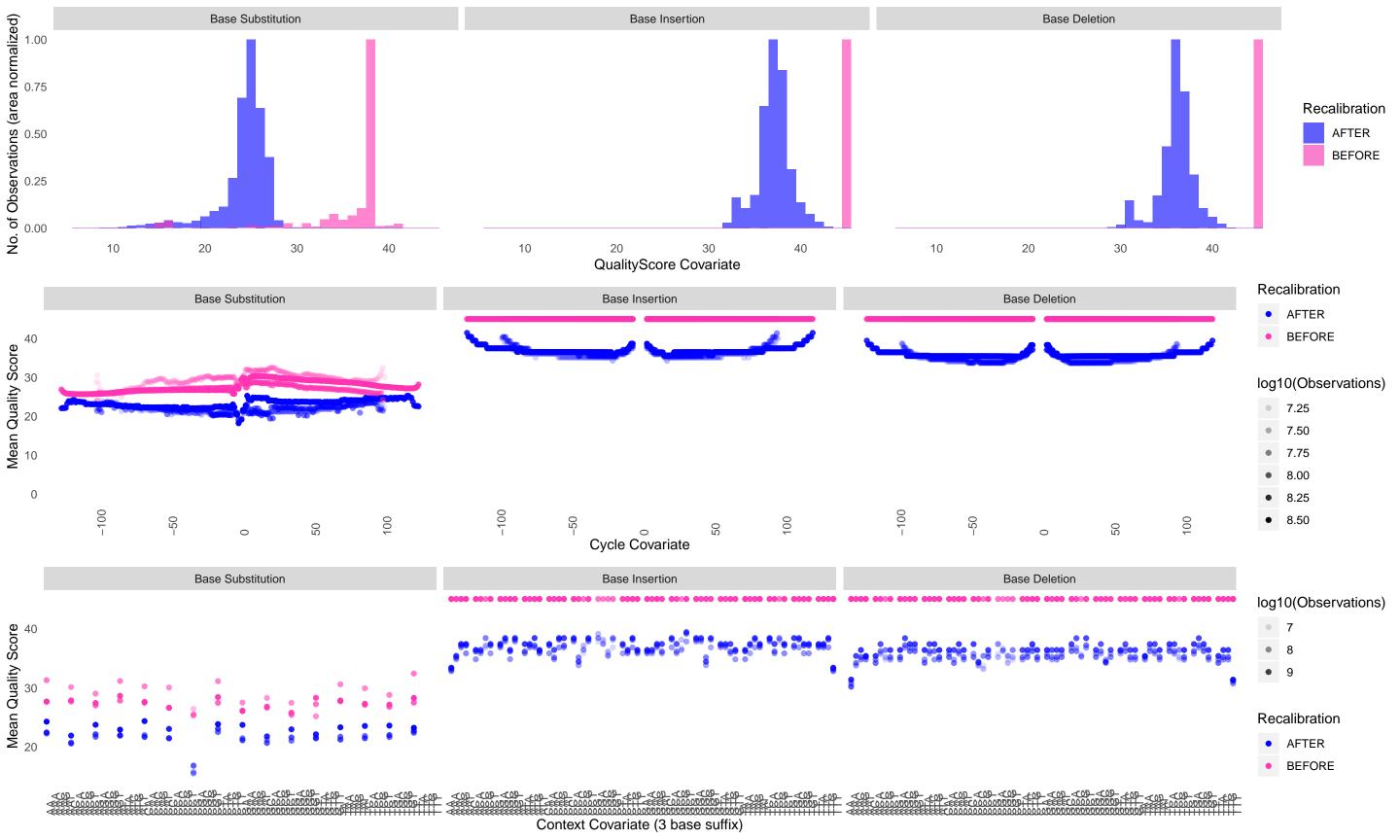
GATK BaseRecalibration report

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	SAMN04316321	SAMN04316321	SAMN04316321	C2V1GACXX.3.A20	C2V1GACXX.3.A20	C2V1GACXX.3.A20	C6GFVANXX.1.A20	C6GFVANXX.1.A20	C6GFVANXX.1.A
EventType	M		D	M	I	D	M	I	
EmpiricalQuality	22.0	36.0	35.0	21.0	36.0	35.0	21.0	37.0	36
EstimatedQReported	27.5	45.0	45.0	29.4	45.0	45.0	27.1	45.0	4!
Observations	6.68e+10	6.68e+10	6.68e+10	4.98e+09	4.98e+09	4.98e+09	1.46e+10	1.46e+10	1.46e+
Errors	3.86e+08	1.51e+07	1.89e+07	4.36e+07	1.25e+06	1.53e+06	1.19e+08	3.27e+06	3.96e+

Error rates by event type and initial quality score

					_
ReadGroup	QualityScore	EventType	EmpiricalQuality	Observations	Errors
SAMN04316321 SAMN04316321	11 12	M M	16 18	64747 97456	1601.02 1636.69
SAMN04316321	13	M	14	73275822	3069547.42
SAMN04316321	14	M	13	291405554	13232153.79
SAMN04316321	15	M	14	1304358860	47009189.54
SAMN04316321 SAMN04316321	16 18	M M	14 14	1654030261 77954443	61047554.65 2964956.50
SAMN04316321	19	M	22	58789	308.22
SAMN04316321	20	M	23	96506	449.41
SAMN04316321	21	М	23	21859324	121791.19
SAMN04316321	22 23	M	22 23	3711325	22836.48
SAMN04316321 SAMN04316321	23 24	M M	23 21	175966093 75627709	937763.91 573271.33
SAMN04316321	25	M	22	612699770	3558262.49
SAMN04316321	26	M	23	255488031	1220935.70
SAMN04316321 SAMN04316321	27 28	M M	22 23	420275712 536843095	2478409.65 2497060.17
SAMN04316321	28 29	M	23	1045016812	4353572.36
SAMN04316321	30	M	23	104091446	528285.49
SAMN04316321	31	M	24	1026124298	4168911.83
SAMN04316321	32	M	22	282176730	1910325.22
SAMN04316321 SAMN04316321	33 34	M M	23 23	1893081779 3076660513	10090368.82 14413850.86
SAMN04316321	35	M	24	1471357540	5796906.86
SAMN04316321	36	M	24	2745742887	10554907.09
SAMN04316321	37	M	25	4253492505	14955802.38
SAMN04316321 SAMN04316321	38 45	M I	24 36	45445405931 66846963938	180058896.64 15119571.89
SAMN04316321	45 45	D	35	66846963938	18888686.24
C2V1GACXX.3.A20	6	M	6	827526	204081.35
C2V1GACXX.3.A20	7	M	9	6477603	749452.40
C2V1GACXX.3.A20	8 9	M	9	5796674	784418.47 366003.56
C2V1GACXX.3.A20 C2V1GACXX.3.A20	10	M M	10 10	3281429 3531157	392664.50
C2V1GACXX.3.A20	11	M	12	1858827	127376.08
C2V1GACXX.3.A20	12	M	14	1166035	52047.52
C2V1GACXX.3.A20	13	M	15	3407339	111935.57
C2V1GACXX.3.A20 C2V1GACXX.3.A20	14 15	M M	14 15	1177212 2967731	47219.78 94443.78
C2V1GACXX.3.A20	16	M	15	3547538	119964.98
C2V1GACXX.3.A20	17	M	15	4021569	121504.83
C2V1GACXX.3.A20	18	M	16	10102650	233973.50
C2V1GACXX.3.A20 C2V1GACXX.3.A20	19 20	M M	16 19	6005331 8061591	138118.82 102794.62
C2V1GACXX.3.A20	21	M	18	3959658	56910.51
C2V1GACXX.3.A20	22	M	20	7720948	85899.97
C2V1GACXX.3.A20	23	M	19	9989307	125115.42
C2V1GACXX.3.A20	24	M	19	13896143	169485.65
C2V1GACXX.3.A20 C2V1GACXX.3.A20	25 26	M M	20 20	21674911 30489330	230216.40 274939.58
C2V1GACXX.3.A20	27	M	20	25201362	258856.74
C2V1GACXX.3.A20	28	M	21	22837376	189749.72
C2V1GACXX.3.A20	29	М	21	48091130	419501.00
C2V1GACXX.3.A20 C2V1GACXX.3.A20	30 31	M M	21 21	63746573 113434935	512314.96 937142.12
C2V1GACXX.3.A20	32	M	21	85503182	674230.98
C2V1GACXX.3.A20	33	M	20	122216388	1103415.75
C2V1GACXX.3.A20	34	M	21	330232903	2704146.01
C2V1GACXX.3.A20 C2V1GACXX.3.A20	35 36	M M	20	540618014 285754778	4906820.01 2210502.20
C2V1GACXX.3.A20	37	M	21 22	463246630	3112352.32
C2V1GACXX.3.A20	38	M	21	292508681	2274998.99
C2V1GACXX.3.A20	39	M	21	545484207	3914599.56
C2V1GACXX.3.A20 C2V1GACXX.3.A20	40 41	M M	21 22	658603859 1237209729	5236049.47 10569712.75
C2V1GACXX.3.A20 C2V1GACXX.3.A20	45	IVI I	36	4984650256	1249620.80
C2V1GACXX.3.A20	45	Ď	35	4984650256	1531251.41
C6GFVANXX.1.A20	13	M	14	4133247	177588.28
C6GFVANXX.1.A20	14	M	13	75302319	3637303.14
C6GFVANXX.1.A20 C6GFVANXX.1.A20	15 16	M M	14 15	221720976 525805794	7914366.97 17727437.47
C6GFVANXX.1.A20	18	M	17	19959672	442161.87
C6GFVANXX.1.A20	21	M	19	650157	8397.72
C6GFVANXX.1.A20	22	М	20	484977	5477.03
C6GFVANXX.1.A20 C6GFVANXX.1.A20	23 24	M M	20 19	12082750 21224916	133370.61 260874.60
C6GFVANXX.1.A20	25	M	21	179406680	1379081.48
C6GFVANXX.1.A20	26	M	22	47422339	314119.62
C6GFVANXX.1.A20	27	M	21	120115053	1030173.51
C6GFVANXX.1.A20	28 29	M	21	142654051	1024925.19
C6GFVANXX.1.A20 C6GFVANXX.1.A20	29 30	M M	22 22	289032044 31216408	1982191.13 203763.56
C6GFVANXX.1.A20	31	M	22	259866626	1658813.97
C6GFVANXX.1.A20	32	М	22	82338156	552139.26
C6GFVANXX.1.A20	33	M	22	514232492	3392041.70
C6GFVANXX.1.A20 C6GFVANXX.1.A20	34 35	M M	22 22	733951343 367399486	4688996.31 2490001.51
C6GFVANXX.1.A20 C6GFVANXX.1.A20	36	M	22	666629572	4295156.93
C6GFVANXX.1.A20	37	M	22	1121850234	6661910.08
C6GFVANXX.1.A20	38	M	22	9123297237	59294707.94
C6GFVANXX.1.A20 C6GFVANXX.1.A20	45 45	I D	37 36	14560776529 14560776529	3267218.60 3964787.16
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