# **Alignment Stats**

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# March 17, 2017

# Contents

1	Params	2
	Tables    2.1  Stats     2.2  Average Coverage	
	Plots      3.1 MAPQ	4 7

### 1 Params

Params 1: -p 1 –very-sensitive –local -5 4 -3 4 -I 50 -X 250

Params 2: -p 1 –very-sensitive –local -5 4 -3 4 -I 50 -X 10000

Params 3: -p 1 -very-sensitive -local -5 12 -3 4 -I 50 -X 10000

Params 4: -p 1 –very-sensitive –local -N 1 -5 12 -3 4 -I 50 -X 10000

### 2 Tables

#### 2.1 Stats

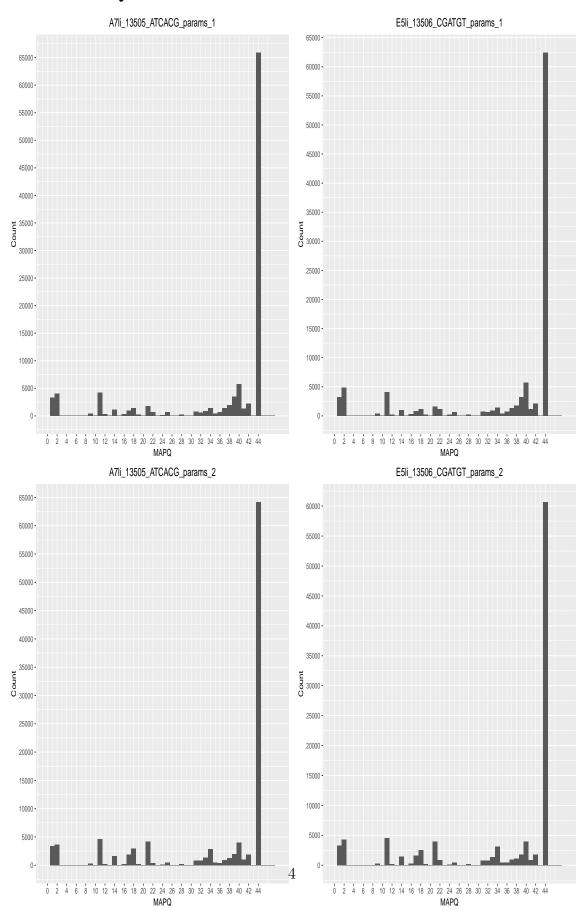
nri	nt(params)								
pri	It (par alls)								
##	Stats	A7li 1	E5li 1	A7li 2	E51i 2	A7li 3	E51i3	A7li 4	E5li 4
##	1 raw total sequences:	110000	110000	110000	110000	110000	110000	110000	110000
##		0	0	0	0	0	0	0	0
##	3 sequences:	110000	110000	110000	110000	110000	110000	110000	110000
##	is sorted:	0	0	0	0	0	0	0	0
##	1st fragments:	55000	55000	55000	55000	55000	55000	55000	55000
##	last fragments:	55000	55000	55000	55000	55000	55000	55000	55000
##	7 reads mapped:	107246	103551	107254	103562	107242	103725	107242	103725
##	3 reads mapped and paired:	106860	102230	106876	102252	106852	102280	106852	102280
##	10 reads unmapped:	2754	6449	2746	6438	2758	6275	2758	6275
##	11 reads properly paired:	83696	80930	92538	89960	86150	84542	86150	84542
##	13 reads paired:	110000	110000	110000	110000	110000	110000	110000	110000
##	15 reads duplicated:	0	0	0	0	0	0	0	0
##	17 reads MQO:	569	837	551	862	755	983	755	983
##	19 reads QC failed:	0	0	0	0	0	0	0	0
##	20 non-primary alignments:	0	0	0	0	0	0	0	0
##									
##	23 bases mapped:	12547782	12115467	12548718	12116754	11689378	11306025	11689378	11306025
##	25 bases mapped (cigar):	11949843	11418154	12033129	11499675	11139112	10656163	11139112	10656163
##		0	0	0	0	0	0	0	0
##		0	0	0	0	0	0	0	0
##		146980	142347	142160	136729	124022	121296	124022	121296
##		0	0	0	0	0	0	0	0
##		117	117	117	117	109	109	109	109
##		117	117	117	117	109	109	109	109
##	0 1	35	34	35	34	35	34	35	34
##		153	156	185	189	181	186	181	186
	37 insert size standard deviation:	42	42	121	125	155	162	155	162
##		44729	43407	45504	44180	42242	41497	42242	41497
##		7195	5977	6939	5753	10010	8357	10010	8357
##	*	64	62	34	32	49	55	49	55
##	11 pairs on different chromosomes:	373	607	134	304	207	377	207	377

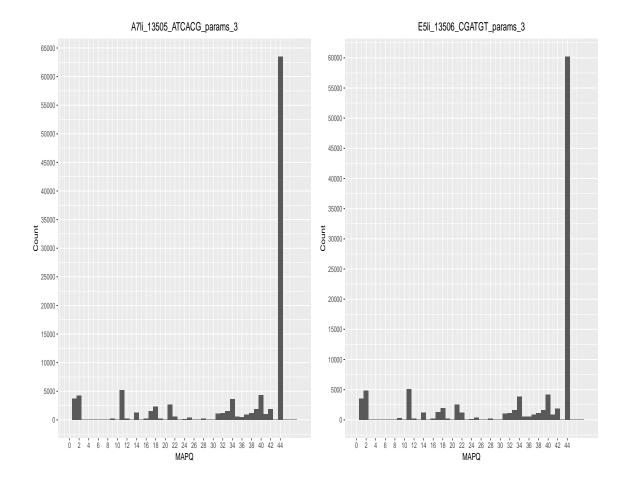
# 2.2 Average Coverage

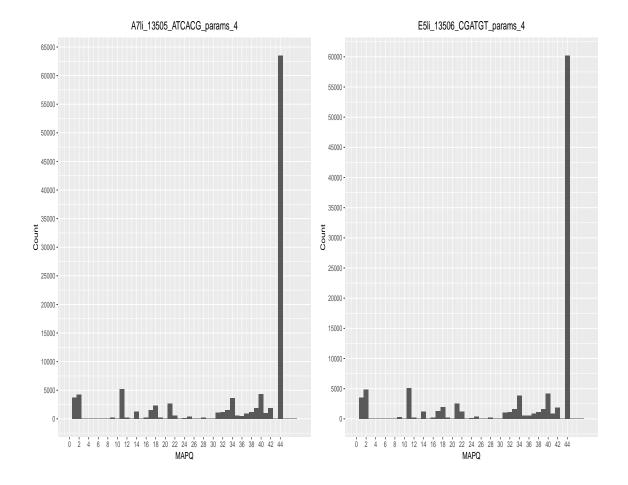
	Par 1		Pa	r 2	Par	: 3	Par 4	
Coding:	0.593	0.549	0.595	0.551	0.550	0.512	0.550	0.512
Non-Coding:	0.398	0.373	0.403	0.378	0.3670	0.347	0.3670	0.347

# 3 Plots

# 3.1 MAPQ







# 3.2 Fragment Length

