

Figure S1. Number of scientific publications that contain the “Oxford Nanopore” phrase in their abstracts. Data were retrieved from the PubMed (<https://www.ncbi.nlm.nih.gov/pubmed/>) on 1.09.2018.

Statistics

Time: 207 seconds

Parameters

Type	Values
Target	Plasmodium falciparum genome
Last	<pre># LAST version 923 # # a=15 b=3 A=15 B=4 e=139 d=95 x=138 y=44 z=138 D=1e+06 E=21429 # R=10 u=0 s=2 S=1 M=0 T=0 m=10 l=1 n=10 k=2 w=1000 t=4.40086 j=3 Q=0 # Reference sequences=16 normal letters=23332821 # lambda=0.21831 K=0.309523 # # A C G T # A 4 -15 -4 -22 # C -18 10 -20 -15 # G -8 -18 9 -18 # T -23 -11 -17 4</pre>

Reads Summary

Number of reads in the query	10157
Number of reads mapped	10155

*Click on the column header to sort it ascending or descending...


Target Name*	Reads Mapped* 
Pf3D7_07_v3	6286
Pf3D7_13_v3	3904
Pf3D7_12_v3	107
Pf3D7_11_v3	24
Pf3D7_05_v3	23
Pf3D7_08_v3	21
Pf3D7_06_v3	15
Pf3D7_10_v3	11
Pf3D7_04_v3	9
Pf3D7_14_v3	7
Pf3D7_03_v3	7
Pf3D7_01_v3	6
Pf3D7_09_v3	3
Pf3D7_02_v3	1

Figure S2. Results page for *P. falciparum*. Overview.

Number of reads per target

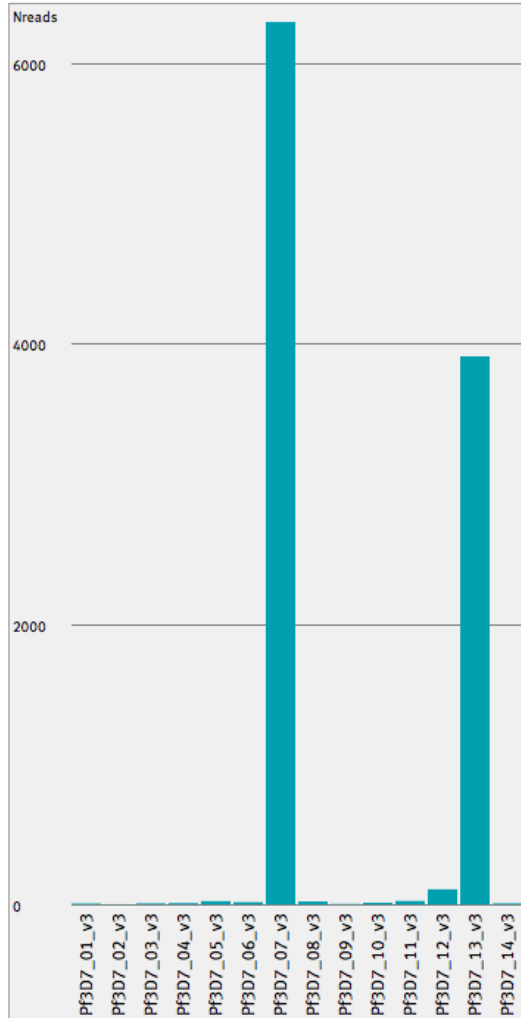


Figure S3. Results page for *P. falciparum*. Mapping distribution.

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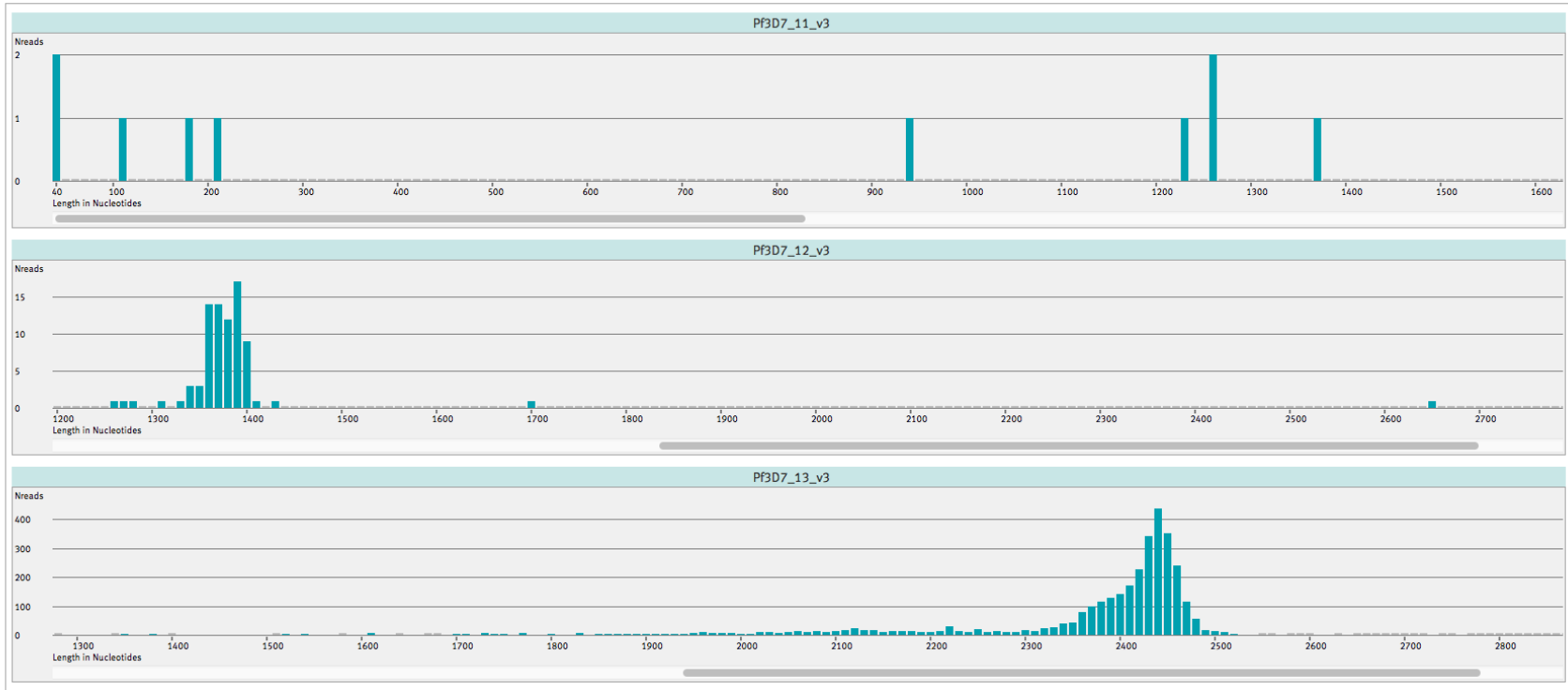


Figure S4. Results page for *P. falciparum*. Alignment distribution



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NanoPipe **153789033639638: test_case Plasmodium**

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Here you can download the generated bam files to visualize the data on an external viewer on your computer

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Figure S5. Results page for *P. falciparum*. BAM files.



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PF3D7_07_v3
PF3D7_12_v3
PF3D7_13_v3

Figure S6. Results page for *P. falciparum*. Select target.

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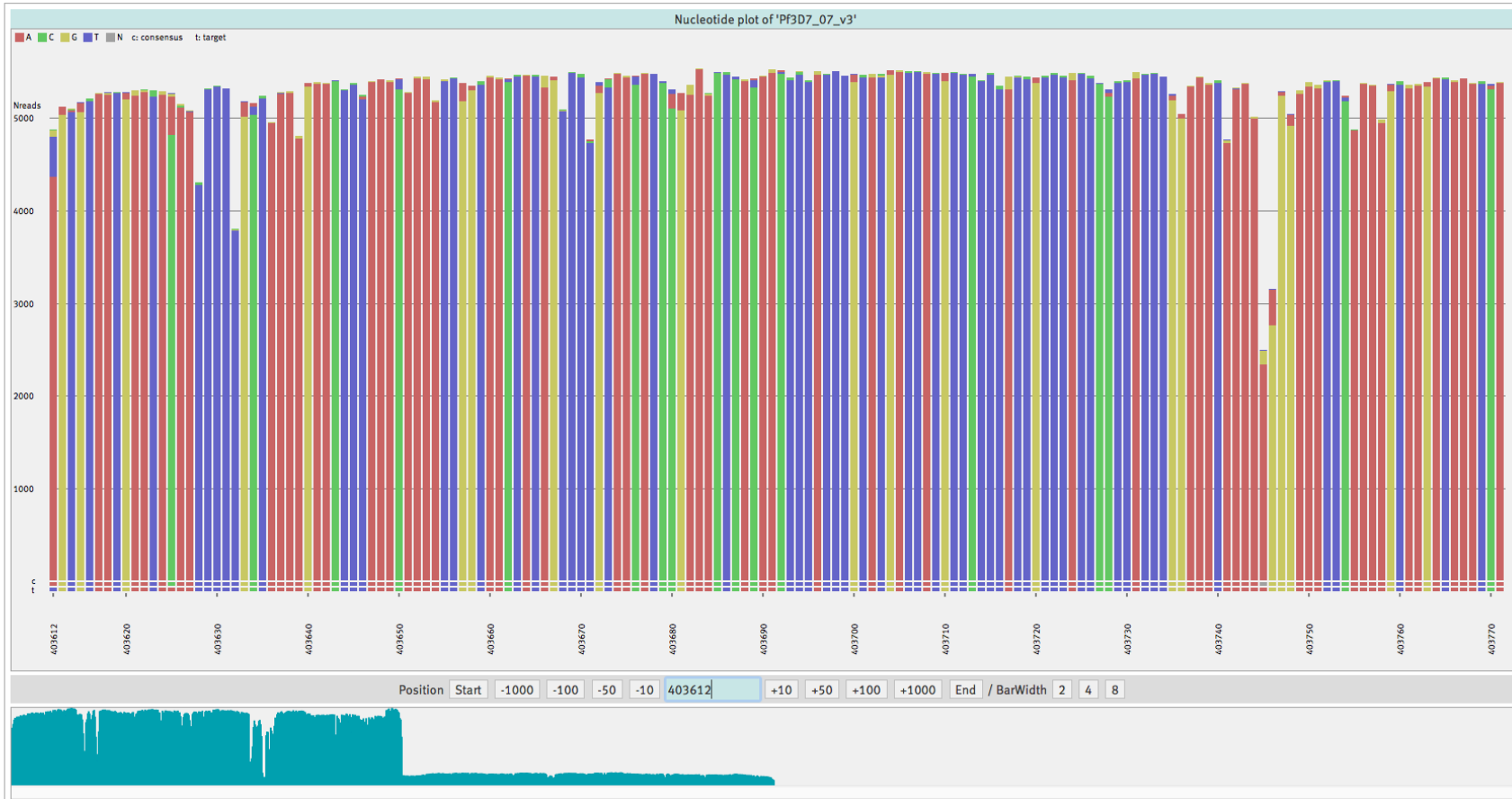


Figure S7. Results page for *P. falciparum*. Nucleotide plots.

Pf3D7_07_v3 (403086:404235)

```
>Pf3D7_07_v3 (403086:404235)
AATATTTTAAAAATCGACATTCGGATATATATATTTTAGACTATAATATCCGTTAATAATAAATACACCGCAGTCATATTTATTATACATTCATTTA
TTATTTTGTTTTTT-AAATTCACATATAACAAAAAGAAATTCGCAAGTAAAAAAAATAATCAAAAAAATCAAGCAAAAATGACGAGCGTTATAGAG
AATTAGATAAATTTAGTACAAGAAGGAGTAAGTATCCAAAAATGGAAATATGGAAATGATATAAATGAATAGATAAAATCAACCTATPGGATATATATAT
ATATATATATATATATATA-----GTATACCACATATGATTAATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT-----CCCTTGTCGACCPTA
ACAGATGGCTCACGTTTGGTGGAGGTTCTTGCTTGGTAAATGTGCTCATGTGTTAAACTTATTTTAAAGAGATTAAGGATAAATTTTTATTATA
TTTTAAGTATTATTATTAAAGTGTAAGTGAATGAACAATTTTTGCTAAAAAGACTTTAAACAAAATGGTAACATATAGTTTTGTAAACATCCGAAAC
TCACAACTTTATTGTATGATATGTTCTTTATTGTTTATTCCTTATTTGGAAATAAAA-GGGAAATCAAAAAGTAAAGATAAATCAATATATATAAAATGA
TGGATTTTATAAGAGAACTATCCACCTACCAATATAAAACATACACATATATATATATATATATAATATAATATAATATAATATATATATATATATATG
ATGTTGATTAATTTGTTTATATATTTATATTTATTCCTTATGACCTTTTTAGGAACGACACCGAAGCTTTAATTTACAATTTTTGCTATATCCATGTTA
GATGCCCTGTCAGTCATTTTGGCCTTCATAGGCTTACAAGAACACTGGAATAATCCAAATCATTGTTCTTCAATTAAGTATTCCTATAATATGTTCT
TCTGCTTTTTAATATAAGATATAGGTAAGTATACATTTTTAAATTTAC-----AAAAAAAAAAAAAAAAAAAAAAAAAAAAATATAAAATATA
TATA-----TATTATATATT-----TATTATTTATA
```

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Pf3D7_07_v3 (404260:406468)

```
>Pf3D7_07_v3 (404260:406468)
TTTATTTATTACTCC-TTTTAGATATCACCTTATACAATTATCTCGGAGCAGTTATTATTGTTGTAACAATAGCTCTTGTGAGAAAGAAATTATCTTTTG
AAACACAAGAAGAAAATTCATCATATTTAATCTTGCTTAAATAGTCCCTTAAATGTAAGAAAACAAAATATATAAATAAATAAATATATATATATA
TATATATATGTGAATATTTAATATATAATTAACACTTAAACTTTGTTTTTATTATATTAATTTATATCTTTATCA---TTTTTTTTTTTTTCCCTC-IT
TTTTTTTACCGCTGATGCTTTTCAAACATGACAAGGGAATAGTTTTTAAAAAATAAAGATGACATTTTAAAGATTAATGTAAGAAGAAAATATAAT
AATAAATAATATATATATATATATAATTTCCTTTTTACCAC--TTTTTTTTTTTATTCCTATAACGCATTATAATATTTCTGTTATTTTTATTCTT
ATAGGCTATGGTATCCCTTTTCCAATTTGTTCACTTCTTGTCTTATATATACCTGTATACACCTTCCATTTTTAAAAACAACGTAAGAAATTAATAGGAAAG
AAAAAATAAAATAAAATGAAATGTCACATATATATATATATATATATATATATATATATATATATATATATATATATATATATATATATATATATAT
GGACAAATATAAAAAATGGTTTCGCATGTTATTCTTGGGAAGAACACAGTCGTAGAGGTAAGAAATAGGATTTTCATTATATATAAAAAATACTACTTA
TTATGTTAATAAAAAAATATGTTTTTAATGTTCAATTTGTTTTTAAATTTATTTTTTTTTTTTTTTTTTTGTTTGTTCCTCTTCAGAAATGTGGTCTTGG
TATGGCTAAGTTATGTGATGATGTGACGGAGCATGGGTAAGAAGCTTATAATAAAAATTTCAAATAATAAGAGACATTATATATATTTTAAACAATAAT
AATTAATAAAAAAATAATATAATATATATATATATATATATATATATATATATATATATATATATATATATATATATATATATATATATATATATAT
TGACATATACTATTGTTAGTTGTATACAAGGTCAGCATTAGCAATTTGCTTATTACTTTAAATTTCTAGCCGTAAGAATTAAGAAATATAAATAATATA
AATATATATGGAATATATGATATATATATATATATATTTTTTATATGTAATGTTTTTTTTTTTTTTTCAACAATATACATTTAAATGTTTATGATGGTACA
ACGTATCATATTTTTATAAATAATTTTATGCAATCATGTATATTTTTTACTTTTTTAAATTTATAGGGTGATGTTGTAAGAGAACCAAGATATATAGATT
CGTAACTTTGGTAAAGTGTGAATTAAGAAATGAAATTTTTTTTTTTTTTTTTTTTATGAAACAAAATAATGTGATATAAATATGTGTGTAATACAAATGGCTT
GTTCTGTCATAAAATTTATATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTACAGTTGGCTACCTATTTGGTCTATAAATTTACCGTGTAGGAAATA
TTATCTTAGAAAGTAAATACAAAAATAAGATAAAAAAATAAATATATAAATATGATATGTTCTTATATATTTTTGTTTATATATATATATATATATATAT
ATATA-TTTTATATTTCCATCTGCTTTTTATTCATTTGTTATAATTTATCATAAATTTTTTAAATTTGTTTACATTAGG-AAAAAATGAGAAATGA
AGAAAATGAAGATTCGAAAGGAGAAATTAACCAACGTCGATTCATTTATTAACAATAAAA-TATATCATTATTTTTTTATATTTTTTATATTTTTTTA
TTTTTATGTTTTTTTTTCTTTA-TTTTTTTTTTTTTTTTTTTTCC-TTTTTTTTTTAAATAAATCATTTCTTAATATTTATTTGCTATCGCATACACTTT
ATAAGGAAT
```

[Download](#)Figure S8. Results page for *P. falciparum*. Consensus sequence.



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Position	A	C	G	T	Target	Matches in PlasmoDB	P-error (local alignment quality)	raw A	raw C	raw G	raw T
403612	1.0	-	-	-	t	NGS_SNP.Pf3D7_07_v3.403612: T:0.98 + A:0.02	0.0061	4363	13	76	440
403625	-	1.0	-	-	a	NGS_SNP.Pf3D7_07_v3.403625: C:0.65 + A:0.35	0.0068	419	4817	31	18
404407	-	-	-	1.0	g	NGS_SNP.Pf3D7_07_v3.404407: T:0.72 + G:0.28	0.0036	16	37	200	4650

Figure S9. Results page for *P. falciparum*. Polymorphisms.

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Pf3D7_07_v3 (403086:404235)

Nucleotids=1150, Identity=1094 (95.1%), Gaps=56 (4.9%) N=0 (0.0%)

Query		AATATTTTAAAAATCG
403086 Target		AATATTTTAAAAATCG
Query	ACATTCGGATATATTATATTTTGTAGACTATAATATCCGTTAATAATAAAATACACGCAGTCATATATTTATTATACATTCATTTATTATTTGTTTTTTTT	
403101 Target	ACATTCGGATATATTATATTTTGTAGACTATAATATCCGTTAATAATAAAATACACGCAGTCATATATTTATTATACATTCATTTATTATTTGTTTTTTTT	
Query	-AATTTCTTACATATAACAAAATGAAATTCGCAAGTAAAAAAAATTAATCAAAAAAATCAAGCAAAAATGACGAGCGTTATAGAGAATTAGATAATTTAG	
403201 Target	TAATTTCTTACATATAACAAAATGAAATTCGCAAGTAAAAAAAATTAATCAAAAAAATCAAGCAAAAATGACGAGCGTTATAGAGAATTAGATAATTTAG	
Query	TACAAGAAGGAAGTAAGTATCCAAAATGGAATATGGAATGATATAAATGAATAGATAAAATCAACCTATTGGATATATATATATATATATATATATA	
403301 Target	TACAAGAAGGAAGTAAGTATCCAAAATGGAATATGGAATGATATAAATGAATAGATAAAATCAACCTATTGGATATATATATATATATATATATATA	
Query	TATATA-----GTATACCCATATGTATTAATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT-----CCCTTGTGACCTTAACAGATGGCTCACGT	
403401 Target	TATATATATATATGTATACCCATATGTATTAATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCCCTTGTGACCTTAACAGATGGCTCACGT	
Query	TTAGGTGGAGGTTCTTGTCTTGGTAAATGTGCTCATGTGTTAAACTTATTTTTAAAGAGATTAAGGATAATATTTTTATTTATATTTTAAAGTATTATT	

Pf3D7_07_v3 (404260:406468)

Nucleotids=2209, Identity=2191 (99.2%), Gaps=18 (0.8%) N=0 (0.0%)

Query		TTTATTTATTACTCC-TTTTAGATATCACTTATACAATTA
404260 Target		TTTATTTATTACTCCTTTTTAGATATCACTTATACAATTA
Query	TCTCGGAGCAGTTATTATGTTGTAACAATAGCTCTTGTAGAAATGAAATATCTTTTGAAACACAAGAAGAAAATCTATCATATTTAATCTTGTCTTA	
404301 Target	TCTCGGAGCAGTTATTATGTTGTAACAATAGCTCTTGTAGAAATGAAATATCTTTTGAAACACAAGAAGAAAATCTATCATATTTAATCTTGTCTTA	
Query	ATTAGTTCCTTAATTGTAAGAAAACAAAATATATAAAATAAATAAATATATATATATATATATATATATTGTAATATTAAATATATTTAACACTTAAACT	
404401 Target	ATTAGTTCCTTAATTGTAAGAAAACAAAATATATAAAATAAATAAATATATATATATATATATATATTGTAATATTAAATATATTTAACACTTAAACT	
Query	TTGTTTTTATTATATTAATTTATATCTTTATCA----TTTTTTTTTTTTTCCCTC-TTTTTTTTAGCCTGTATGCTTTTCAAACATGACAAGGAAAAT	
404501 Target	TTGTTTTTATTATATTAATTTATATCTTTATCAATTTTTTTTTTTTTTTTCCCTCCTTTTTTTTAGCCTGTATGCTTTTCAAACATGACAAGGAAAAT	
Query	AGTTTTTAAAAAATATAAGATTGACATTTAAGATTAAGTAAAGTAAAGAAAATATAAATAAATAAATATATATATATATATATTTCCCTTTTTTACC	
404601 Target	AGTTTTTAAAAAATATAAGATTGACATTTAAGATTAAGTAAAGTAAAGAAAATATAAATAAATAAATATATATATATATATATTTCCCTTTTTTACC	
Query	AC--TTTTTTTTTTTATCCTATAACGCATTATAATTTCTGTTATTTTTATTTCTTATAGGCTATGGTATCCTTTTCCAATGTTCACTTCTTGTCT	

Figure S10. Results page for *P. falciparum*. Alignments.