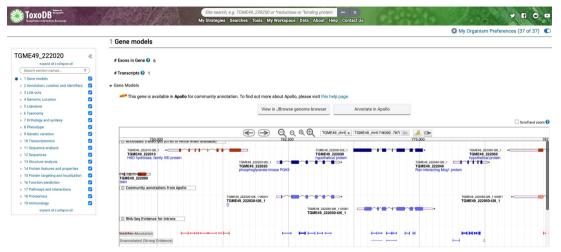
1	Basic searches in VEuPathDB – Site search, filtering, finding genes
2	The gene page in VEuPathDB
	Coffee Break
3	Introduction to Artemis: Artemis exercise
	Lunch Break
	Identification of novel biomarkers for P. falciparum gametocyte
4	infectivity to Anopheles vector: Combining transcriptomic & peptide
	array methods
5	Genome browser basics
	Tea Break
6	Group exercise: Interpreting RNAseq data in the genome browser/Apollo
7	Group exercise: Genome annotation with Companion
	3 4 5

VEuPathDB gene record page





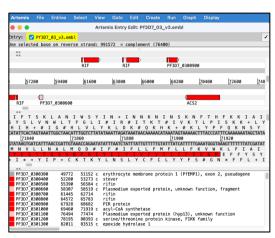
GenBank



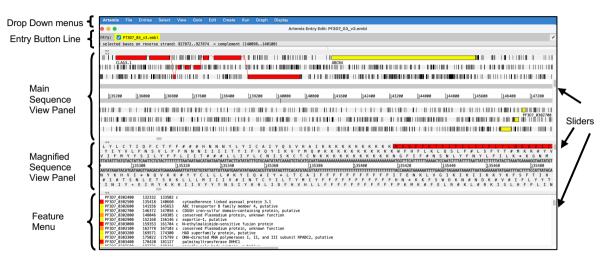
```
complement(55390..56584)
gene
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                complement(join(55390..56400,56516..56584))
CDS
                /locus tag="PF3D7 0300500"
                /codon_start=1
                /product="rifin"
                /protein id="CAB39118.1"
                /db xref="EnsemblGenomes-Gn:PF3D7 0300500"
                /db xref="GOA:097326"
                /db xref="InterPro: IPR006373"
                /db xref="UniProtKB/TrEMBL:097326"
                /translation="MKLLYSNILLFALALNILLTSYYAHNKNKPSITPHHTRTTTSRL
                LSECDTESSIYDSDEEINSVKEIFERQTSRRFEEYEERMITQRQKYKEQRDKDIQKII
                HKDKMEKNLAEKIEKGCLRCGCGLGSVAGSIGLFGAVAINIWKPAALDAAIAKAITEG
                TANISAAGVKAGEATGKVLVISGLKKMGISTLGGKNLESYFATTSYKKVASIAQAVYE
                OHFEKCEFGYLKEGFTPVGDPSRDIHFCOSVWOOTSVVSKTGHYISPKDVIKRTVETM
                VSKAEGPANAAAEFVKATETATIKAAEEKTIETASTQLYSAIGYSILAILIIVLIMLI
                IYLILRYRRKKKMKKKAQYTKLLNE"
gene
                complement(58307..58519)
                /locus tag="PF3D7 0300600"
CDS
                complement(58307..58519)
                /locus_tag="PF3D7_0300600"
                /codon start=1
                /product="Plasmodium exported protein, unknown function,
                fragment"
                /protein id="CZT62488.1"
                /db xref="EnsemblGenomes-Gn:PF3D7 0300600"
                /db xref="InterPro:IPR019111"
                /db xref="UniProtKB/TrEMBL:08I4N8"
                /translation="MHDIGVALSSTDIEHTLNFYKLDKDGKSIDEMKNYIYVFIKYYD
                TEKNOLFNEHKTIFTERIKNTORLOM"
gene
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                /locus tag="PF3D7 0300700"
CDS
                join(61445..61498,61662..62714)
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                /codon start=1
                /product="rifin"
                /protein id="CAB39119.2"
                /db xref="EnsemblGenomes-Gn:PF3D7 0300700"
                /db xref="EnsemblGenomes-Tr:PFC0035w:mRNA"
                /db vref="GOA:097327"
```

Artemis

- Genome browser and annotation tool
- · Easy to install on your computer
- Visualization of DNA sequence, its six-frame translation and any associated information/features
- Basic analysis
- Launch more complex analysis and searches
- Import and view the results of other searches
- Reads and writes different file formats (EMBL, GFF)



Main Artemis window



Working with Protozoan Parasite Database Resources

Additional information on Artemis http://sanger-pathogens.github.io/Artemis



Home | Artemis | ACT | BamView | DNAPlotter |

Artemis

Artemis is a free genome browser and annotation tool that allows visualisation of sequence features, next generation data and the results of analyses within the context of the sequence, and also its sixframe translation. Artemis is written in Java, and is available for UNIX, Macintosh and Windows systems. It can read EMBL and GENBANK database entries or sequence in FASTA, indexed FASTA or raw format. Other sequence features can be in EMBL, GENBANK or GFF format. Full information about the latest release of Artemis can be found in the Artemis manual.

The Artemis poster gives an overview of browsing genomes and visualisation of next generation data in Artemis.