

Gene record pages have a new look, contain improved navigation tools, and are reorganized to reflect EDAM-based categories.

A

PF3D7_1404600 adenyl cyclase alpha

Name: ACalpha
Type: protein coding
Chromosome: 14
Location: PF3D7_14_v3:154,855..160,191(-)

Species: Plasmodium falciparum
Strain: 3D7
Status: Curated Reference Strain

View updated annotation at GeneDB
View user comment, or add a comment

GeneDB curates, researches and improves this genome, and will incorporate appropriate User Comments into the official annotation. If you wish to publish whole genome or large-scale analyses, please contact the primary investigator or use the published version in the PlasmoDB version 5.3 download folder.

B Shortcuts

- Gene Models
- Synteny
- SNPs
- Transcriptomics
- Protein Features

Also see PF3D7_1404600 in the Genome Browser or Protein Browser

C Contents

- Search section names...
- 1 Gene models
- 2 Annotation, curation and identifiers
- 3 Link outs
- 4 Genomic Location
- 5 Literature
- 6 Taxonomy
- 7 Orthology and synteny
- 8 Phenotype
- 9 Genetic variation
- 10 Transcriptomics
- 11 Sequences
- 12 Structure analysis
- 13 Protein properties
- 14 Function prediction
- 15 Pathways and interactions
- 16 Proteomics
- 17 Immunology

D Gene models

Exons in Gene 25
Transcripts 3

▼ Gene Models

View in genome browser

▼ Transcripts

Search this table Showing 3 rows

Transcript	# exons	Transcript length	Protein length
PF3D7_1404600.1	22	2598	865
PF3D7_1404600.2	17	2010	689
PF3D7_1404600.3	20	2412	803

2. Annotation, curation and identifiers

External DB Version 2015-06-18
Gene Name or Symbol ACALPHA

▼ Names, Previous Identifiers, and Aliases

Search this table Showing 7 rows

Name/ID/Alias	Type
PF3D7_1404600.1	alias
PF3D7_1404600.2	alias
PF3D7_1404600.3	alias
ACALPHA	name
PF14_0043	previous ID
PF14_0788	previous ID
PFACALPHA	synonym

Notes from Annotator

- A. Gene IDs and product descriptions are displayed in the upper left corner with other information and links directly below.
- B. “Shortcuts” serve two functions – clicking on the Shortcut’s magnifying glass icon offers a larger view of the data, while clicking on the image (or its title) navigates to the data within the gene page.
- C. The collapsible, interactive and searchable “Contents” section reflects EDAM-based categories. This section remains stationary and visible while scrolling the data (Section D). A section indicator (blue circle) points to the currently displayed data category. The check boxes to the right of the category names can be used to hide data.
- D. Data is presented in collapsible, interactive, searchable, sortable tables and contain transcript-specific information when data can be unambiguously assigned to a transcript. The ‘Transcriptomics’, ‘Sequences’ and ‘Protein Properties and Features’ tables feature expandable rows with detailed information. “View in Genome Browser” links open Gbrowse with the pertinent data track added in the current browser session.

Features of the Transcriptomics Table for mining your gene's RNA sequencing or Microarray data:

The transcriptomics table features a search function for quickly locating data sets.

▼ Transcript Expression

Search this table... Showing 20 rows

Each column is sortable.











Preview	Name	Summary
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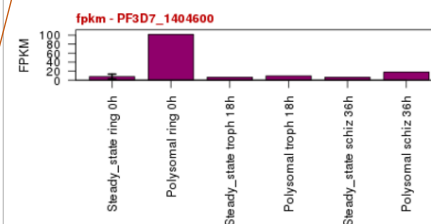
Each row represents a data set and expanding a row reveals graphs, data tables, and a data set description. Coverage plots of reads aligned to the genome are also available for RNA sequencing data.

10 Transcriptomics

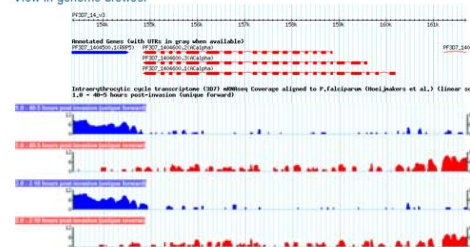
▼ Transcript Expression

Search this table... Showing 20 rows

	Preview 	Name 	Summary 	Attribution 	Assay Type 
		Intraerythrocytic cycle transcriptome (3D7)	RNA sequencing analysis of 8 time points during the <i>P. falciparum</i> 3D7 intraerythrocytic cycle.	Hoeijmakers et al.	RNA-seq
 		Polysomal and steady-state asexual stage transcriptomes	Transcriptome and translome of the <i>P. falciparum</i> asexual cell cycle.	Bunnik et al.	RNA-seq



▼ Coverage

[View in genome browser](#)

► Data table

► Description

X-axis

Hours in Plasmodium falciparum asexual cell cycle

Y-axis