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## Crystal structure of truncated aspartate transcarbamoylase from *Plasmodium falciparum*

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**Supporting information for article:**

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*Plasmodium falciparum***

**Sergey Lunev, Soraya S. Bosch, Fernando de Assis Batista, Carsten Wrenger  
and Matthew R. Groves**

**Table S1** Macromolecule production information (Full-length *Pf*ATC)

The cloning details for the full version of *Pf*ATC. *Bsa*I restriction sites in both primers are underlined. Predicted apicoplast targeting sequence (PlasmoAP, (Foth et al., 2005)) is also underlined. Predicted cleavage site (IRT-KK) is highlighted. Additional Strep-tag residues at the C-terminus are shown in bold italic.

Source organism	<i>Plasmodium falciparum</i> strain 3D7
DNA source	cDNA generated from total RNA via reverse transcriptase PCR
Forward primer ( <i>Bsa</i> I)	5'-GCGCGC <u>GCTCTC</u> CAATGATTGAAATATTTTGC ACTGC-3'
Reverse primer ( <i>Bsa</i> I)	5'-GCGCGC <u>GCTCTC</u> CGCGCTGCTAGTTGATGAAAAAATGAG-3'
Expression vector	pASK-IBA3
Expression host	<i>Escherichia coli</i>
Complete amino acid sequence of the construct produced	<p><u>MIEIFCTAIVVITILIVGVFVYMI</u> <b>IRTKK</b> KKLKLDNMFYINSKYKIDLDKI  MTKMKNKSVINIDDVDDEELLAILYTSKQFEKILKNNEDSKYLENKVFCVS  FLEPSTRTRCSFDAAILKLGSKVLNITDMNSTSFYKGETVEDAFKILSTYV  DGI IYRDPSKKNVDIAVSSSSKPIINAGNGTGEHPTQSLLDFYTIHNYFPF  ILDNRNINKKLNIAFVGDLKNGRTVHLSKLLSRYNVSFNFVSCKSLNIPKD  IVNTITYNLKKNFYSDDSIKYFDNLEEGLEDVHI IYMTRIQKERFTDVDE  YNQYKNAFILSNKTLNTRDDTKILHPLPRVNEIKVEVDSNPKSVYFTQAE  NGLYVRMALLYLIFSSTS <b>SAWHPQFEK</b></p>