

First AP2 domain from PBANKA_011210 (has 3 domains):

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Pb    KYTVAELKPQRGVYFDKFQKAWIGSWYEEGKQIKRRFKIKYYGWDEAKELATKARFSFENRIKNLEGNG
Pc    KYTVAELKPQRGVYFDKSQKAWIGSWYEEGKQIKRRFKIKYYGWDEAKELATKARFSFENRIKNLEANNG
Pf    KLACSELKPQRGVYFDKSQKAWIGSWYEEGKQIKRRFKIKYYGWDEAKSLAIKARFAFENKTKNLKGKKG
Pv    KMTSSELKPQRGVYFDRSQKAWIGSWYEEGKQIKRRFKIKYYGWDEARNLATKARFAFENRTKHMKGAGK
Pk    RMSVSELKPQRGVYFDRSQKAWIGSWYEEGKQIKRRFKIKYYGWDEARNLATKARFAFENRTKHIKGAGK
      . : :*****. *****.*** *****:***. *:::.
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F **S** denotes AA1823 – note that the only species with this mutation is *P. berghei*

XXX denotes the AP2 domain region previously cloned for protein binding microarray analysis of this AP2 domain from *Plasmodium falciparum*.

Orthologue in Pf is PFF0670w (PF3D7_0613800)