**First AP2 domain from PBANKA\_011210 (has 3 domains):**

Pb KYTVAELKPQRGVYFDKFQKAWIGSWYEEGKQIKRRFKIKYYGWDEAKELATKARFSFENRIKNLEGNNG

Pc KYTVAELKPQRGVYFDKSQKAWIGSWYEEGKQIKRRFKIKYYGWDEAKELATKARFSFENRIKNLEANNG

Pf KLACSELKPQRGVYFDKSQKAWIGSWYEEGKQIKRRFKIKYYGWDEAKSLAIKARFAFENKTKNLKGKKG

Pv KMTSSELKPQRGVYFDRSQKAWIGSWYEEGKQIKRRFKIKYYGWDEARNLATKARFAFENRTKHMKGAGK

Pk RMSVSELKPQRGVYFDRSQKAWIGSWYEEGKQIKRRFKIKYYGWDEARNLATKARFAFENRTKHIKGAGK

. : :\*\*\*\*\*\*\*\*\*\*\*. \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*..\*\* \*\*\*\*:\*\*\*. \*:::.

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)