

**Table S1:** Nucleotide diversity for *P. vivax* antigens

Gene	isolates	sites	$\pi$	Reference
<i>msp-7C</i>	39	1,043	0.0548	This study
<i>msp-3<math>\alpha</math></i>	35	2,577	0.0496	(MASCORRO <i>et al.</i> 2005)
<i>rbp-2</i>	4	8,454	0,0481	(RAYNER <i>et al.</i> 2005)
<i>msp-7I</i>	44	1,053	0.0430	This study
<i>msp-1</i>	175	417	0.0451	(FIGTREE <i>et al.</i> 2000)
<i>msp-5</i>	22	1,524	0.0375	(GOMEZ <i>et al.</i> 2006)
<i>msp-7H</i>	59	1,068	0.0357	This study
<i>ama-1</i>	72	900	0.0130	(THAKUR <i>et al.</i> 2008)
<i>dbp</i>	23	1,388	0.0122	(MARTINEZ <i>et al.</i> 2004)
<i>trap</i>	39	1,470	0.0059	(PUTAPORNTIP <i>et al.</i> 2001)
<i>msp-7K</i>	27	886	0.0022	(GARZON-OSPINA <i>et al.</i> 2011)
<i>rbp-1</i>	4	8,499	0.0018	(RAYNER <i>et al.</i> 2005)
<i>rap-2</i>	35	1,161	0.0013	(GARZON-OSPINA <i>et al.</i> 2010)
<i>msp-4</i>	30	846	0.0011	(MARTINEZ <i>et al.</i> 2005)
<i>rap-1</i>	29	2,413	0.0008	(GARZON-OSPINA <i>et al.</i> 2010)
<i>msp-7A</i>	29	1,100	0.0002	(GARZON-OSPINA <i>et al.</i> 2011)
<i>msp-10</i>	23	1,336	0.0002	(GARZON-OSPINA <i>et al.</i> 2011)

n: number of isolates,  $\pi$ : nucleotide diversity.

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