

**Table S5:** Genetic distances and kind of mutation of homologous sequences according to shortened sequence used in MalAvi.

Genetic distances		Mutation		
<i>Plasmodium</i>	COLL4a/b	0.00094	1bp	silent
	GRW04a/b	0.00094	1bp	silent
	CICOQ01a/b	0.00094	1bp	silent
	GRW09a/b	0.00094	1bp	silent
	ZOSMAD01a/b	0.00094	1bp	silent
<i>Haemoproteus</i>	RBQ11a/b	0.00188	2bp	L --> I Protein 304
	RBQ11a/c	0.00094	1bp	silent
	RBQ11b/c	0.00094	1bp	I --> L Protein 304
	NENOT04a/b	0.00188	2bp	silent
	FOUMAD02a/b	0.00094	1bp	silent