

<i>Plasmodium</i>	Human	Yeast	<i>Leishmania</i>	<i>Trypanosome</i>	<i>Cryptosporidium</i>
PfRad51	61%	55%	54%	52%	65.5%
PfRad54	22%	23%	17.7%	18.4%	31.7%
PfRPA1L	1.8%	14.8%	11.3%	11.3%	14.4%
PfRPA1S	<i>Toxoplasma gondii</i> (L) = 12.7% <i>Toxoplasma gondii</i> (S) = 19.5%				23.4%

Fig. S2: Percent homology of the amino acid sequences of *Plasmodium* recombination molecules with yeast, human, *Leishmania*, *Trypanosome* and *Cryptosporidium*. Percent homology of PfRPA1S with *Cryptosporidium* and *Toxoplasma* is also shown, the only other two apicomplexans that contain short form of RPA1. PfRad51, a key molecule in homologous recombination, shows highest homology with other species.