

Table S3. *In vitro* cross-fertilization assays of GFP and mCHERRY expressing parasites

Parasite lines	Time point (hpi)	Number of GFP parasites	Number of mCHERRY parasites	Number of GFP/mCHERRY double-positive parasites	<i>P</i> -value		
					GFP vs mCHERRY	GFP vs double-positive	mCHERRY vs double-positive
<i>wt_cht_pgreen_{230p}</i> X <i>wt_cht_pred_{230p}</i>	24	83	46	72	0.0537	0.5914	0.0505
<i>wt_ctr_pgreen_{ssu}</i> X <i>wt_cht_pred_{230p}</i>	24	121	41	72	0.0510	0.0500	0.7174

This table reports parasite numbers at 24 h in *in vitro* cross-fertilization assays of the mCHERRY ookinete-expressing parasite (*wt_cht_pgreen_{230p}*) and either of the following ookinete stage GFP expressing parasites; *wt_cht_pgreen_{230p}* or *wt_ctr_pgreen_{ssu}*. A mouse was co-infected with the two parasites and total numbers of green, red and yellow parasites were then counted. Total numbers of green, red and yellow parasites were counted from three independent biological experiments. *P*-values were calculated using the Mann-Whitney *U*-test.