

Table S4. Parasite development in *A. gambiae* mosquitoes co-infected with parasites expressing GFP and mCHERRY

Time point	Parasite lines	Number of exps	Number of midguts	Number of GFP parasites	Number of mCHERRY parasites	Number of GFP/mCHERRY double positive parasites	P-value		
							GFP vs mCHERRY	GFP vs double-positive	mCHERRY vs double-positive
24h	<i>wt_cht_pgreen_{230p}</i> X <i>wt_cht_pred_{230p}</i>	3	25	785	257	418	0.0273	0.1149	0.0927
24h	<i>wt_ctrp_pgreen_{ssu}</i> X <i>wt_cht_pred_{230p}</i>	3	25	500	423	609	0.2984	0.5634	0.1748

This table reports parasite numbers at 24 hours post infection (hpi) from the direct feed of mosquitoes with the ookinete stage mCHERRY expressing parasite *wt_cht_pred_{230p}* and either of the following ookinete stage GFP expressing parasites; *wt_cht_pgreen_{230p}* or *wt_ctrp_pgreen_{ssu}*. A mouse was co-infected with the two parasites and mosquitoes were fed on this mouse. Total numbers of green, red and yellow parasites were then counted. *P*-values were calculated using the Mann-Whitney *U*-test.