

S4 Table. *In vitro* growth selection coefficients of *pfcr*t-modified and reference parasite lines.

Line		No drug	7.5 nM CQ	Line		No drug	7.5 nM CQ
GC03 ^{Cam734}	<i>s</i>	0.00 ± 0.008	0.18 ± 0.026	GC03 ^{Cam734 S333T}	<i>s</i>	-0.17 ± 0.008	-0.19 ± 0.009
	<i>P</i> ₁	–	–		<i>P</i> ₁	< 0.0001	< 0.0001
	<i>P</i> ₂	< 0.0001			<i>P</i> ₂	0.69	
GC03 ^{Cam734 D75N}	<i>s</i>	-0.11 ± 0.009	-0.11 ± 0.011	GC03 ^{GC03}	<i>s</i>	0.06 ± 0.007	0.03 ± 0.008
	<i>P</i> ₁	< 0.0001	< 0.0001		<i>P</i> ₁	0.002	< 0.0001
	<i>P</i> ₂	> 0.99			<i>P</i> ₂	0.71	
GC03 ^{Cam734 F144A}	<i>s</i>	-0.07 ± 0.009	-0.14 ± 0.010	GC03 ^{Dd2}	<i>s</i>	-0.25 ± 0.006	-0.25 ± 0.007
	<i>P</i> ₁	< 0.0001	< 0.0001		<i>P</i> ₁	< 0.0001	< 0.0001
	<i>P</i> ₂	< 0.0001			<i>P</i> ₂	> 0.99	
GC03 ^{Cam734 I148L}	<i>s</i>	-0.26 ± 0.006	-0.30 ± 0.007	GC03	<i>s</i>	-0.05 ± 0.009	-0.06 ± 0.009
	<i>P</i> ₁	< 0.0001	< 0.0001		<i>P</i> ₁	0.0047	< 0.0001
	<i>P</i> ₂	0.15			<i>P</i> ₂	0.99	
GC03 ^{Cam734 T194I}	<i>s</i>	-0.14 ± 0.009	-0.15 ± 0.009				
	<i>P</i> ₁	< 0.0001	< 0.0001				
	<i>P</i> ₂	0.99					

Parasite *in vitro* growth was evaluated in the absence or presence of a sub-lethal dose of CQ (7.5 nM; ~0.5×CQ IC₅₀ of the CQ-sensitive reference line GC03^{GC03}) and normalized against GC03^{Cam734} in the absence of drug pressure (6 replicates per condition). As detailed in **Materials and Methods**, the per-generation selection coefficient (indicated above as *s* ± SEM) was derived from the relative fitness index (ω') as per the relationship $s = \omega' - 1$, such that $s < 0$ and $s > 0$ respectively indicate growth inferior or superior to the GC03^{Cam734} parasite line, which encodes the full-length Cam734 *pfcr*t allele. CQ, chloroquine; *P*₁, *P* value for inter-strain comparisons, determined versus the parasite line GC03^{Cam734} using two-way ANOVA with Sidak's post-hoc test; *P*₂, *P* value for intra-strain comparisons, determined for a given parasite strain in the absence versus presence of 7.5 nM CQ using two-way ANOVA with Sidak's post-hoc test. *P* values <0.05 are indicated in **bold** and shaded in gray.