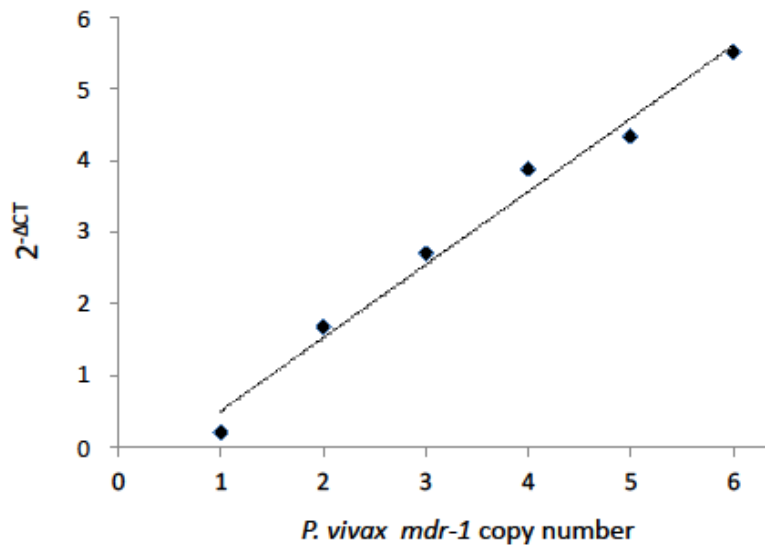


# Nontargeted Effects of Mefloquine Use on *Plasmodium vivax* Multidrug Resistance

## Technical Appendix

Standards	Standard Pvmdr-1 copy number						sample 1	sample 2																
	1	2	3	4	5	6																		
CT <i>Pvmdr-1</i>	28.2	28.3	28.2	25.7	25.1	25.4	25.1	24.9	25.1	24.0	24.0	24.0	25.8	26.0	25.8	24.6	24.0	24.9	34.9	35.4	35.1	21.0	20.7	21.2
Mean CT <i>Pvmdr-1</i>	28.2		25.4		25.0		24.0		25.9		24.5											35.1		21.0
CT $\beta$ -tubulin	26.2	26.0	25.7	26.3	26.1	26.0	26.6	26.0	26.8	25.9	26.1	25.9	27.8	28.2	27.96	27.3	26.8	26.8	31.4	31.5	31.5	22.7	23.1	22.8
Mean CT $\beta$ -tubulin	25.9		26.1		26.5		25.9		28.0		26.9											31.5		22.9
$\Delta$ CT (CT <i>Pvmdr-1</i> -CT $\beta$ -tubulin)	2.3		-0.75		2.7		-1.9		-2.1		-2.4											3.6		-1.9
$2^{-\Delta\text{CT}}$	0.2		1.7		2.7		3.9		4.3		5.5											0.1		3.7
Estimated Pvmdr-1 copy number	0.8		2.1		3.2		4.3		4.9		5.9											0.7		4.1



Technical Appendix Figure. Evaluation of the number of *Plasmodium vivax mdr-1* copies by using a standard curve of 6 standards of mixed plasmids (from the standard-1, 1:1 ratio of *Pvmdr-1* and  $\beta$ -tubulin to the standard-6, 6:1 ratio of *Pvmdr-1* and  $\beta$ -tubulin) by the  $\Delta$ CT method.