

Dose of Artesunate per Injection (two injections given 24 hours apart)						
Generation	2.4mg/kg	4.8mg/kg	9.6mg/kg	19.2mg/kg	38.4mg/kg	80mg/kg
1 <sup>st</sup> (5 mice)	2, 2	3, 1	3, 1, 1	2, 4	5	-
2 <sup>nd</sup> (8 mice)	-	-	-	1	1, 1, 4, 2, 3, 5*	1
3 <sup>rd</sup> (3 mice)	-	-	-	-	1, 1, 3	-
4 <sup>th</sup> (4 mice)	-	-	-	-	-	2, 1, 3, 1
Number of mice used for each dose	2	2	3	3	10	5

**Additional File 8: Number and intensity of artesunate drug pressure cycles required to select for artemisinin-resistance using a two-day artesunate regimen**

Each digit tabulated represents a mouse at a given time in the artemisinin resistance selection process. The number indicates how many two-day regimen APCs that mouse underwent at a given drug concentration, and the colour of the digit indicates the response of parasites infecting that mouse to the last APC at that drug concentration (green=sensitive/intermediate, red=resistant). \*Includes 2 APCs at doses of 9.6 mg/kg