S1 Table. [^{3}H]-drug accumulation and 72 hr susceptibility profiling of *pfcrt*-edited lines.

Line	Piperaquine			Chloroquine		
	CAR	IC$_{50}$ (nM)	IC$_{90}$ (nM)	CAR	IC$_{50}$ (nM)	IC$_{90}$ (nM)
Dd2^{Dd2crt}	1786 ± 164	19.9 ± 2.4	34.4 ± 1.2	24.7 ± 3.0	82.7 ± 5.6	144 ± 11.6
Dd2^{F145Icrt}	1135 ± 67	76.8 ± 11.8 *	1775 ± 334 *	838 ± 24.0 *	20.3 ± 0.8 *	45.5 ± 2.8 *
Dd2^{M343Lcrt}	1348 ± 109	32.1 ± 1.8 *	214 ± 12.0 *	662 ± 20.0 *	20.8 ± 1.1 *	43.0 ± 0.7 *
Dd2^{G353Vcrt}	1186 ± 140	51.5 ± 6.7 *	674 ± 66 *	540 ± 10.7 *	19.8 ± 1.1 *	46.8 ± 1.1 *
Dd2^{3D7crt}	1980 ± 110	9.5 ± 1.1 *	18.9 ± 2.0 *	1161 ± 123 **	9.5 ± 1.1 *	11.2 ± 0.2 *

Mean ± SEM cellular accumulation ratios (CARs) and IC$_{50}$ and IC$_{90}$ values were determined from 4 to 5 independent experiments performed in duplicate. Statistical significance was determined using Mann-Whitney *U* tests. *p* values are reported for comparisons with Dd2^{Dd2crt}. *$p<0.05$; **$p<0.01$. The raw data used for this analysis is in **S1 Dataset**.