

SUPPLEMENTAL MATERIAL

Table S1. Demographics of the malaria naïve volunteers recruited for CHMI and included in the study

	miScript miRNA PCR array	miRNA Taqman validation
Total number of individuals	14	21
Mean Age [Min-Max]	23	24
% Male	43%	43%

Table S2. Correlation between whole blood miRNA expression at day 4 and day 7 of infection in malaria-naive volunteers experimentally infected with *P. falciparum* blood-stage.

miRNA ID	Spearman r^a	p value^b
hsa-let-7b-5p	0.9253	< 0.0001
hsa-miR-100-5p	0.9364	< 0.0001
hsa-miR-125b-5p	0.9161	< 0.0001
hsa-miR-15a-3p	0.8901	< 0.0001
hsa-miR-20a-5p	0.8813	< 0.0001
hsa-miR-24-3p	0.9165	< 0.0001
hsa-miR-30e-5p	0.8989	< 0.0001
hsa-miR-17-5p	0.8681	0.0001
hsa-miR-30b-5p	0.8846	0.0001
hsa-miR-335-5p	0.8725	0.0001
hsa-miR-574-3p	0.8681	0.0001
hsa-let-7e-5p	0.8593	0.0002
hsa-miR-126-3p	0.8593	0.0002
hsa-miR-20b-5p	0.8736	0.0002
hsa-miR-26b-5p	0.8593	0.0002
hsa-miR-150-5p	0.8462	0.0003
hsa-miR-29c-3p	0.8626	0.0003
hsa-let-7f-5p	0.833	0.0004
hsa-let-7i-5p	0.833	0.0004
hsa-miR-18a-5p	0.9	0.0004
hsa-miR-191-5p	0.833	0.0004
hsa-miR-223-3p	0.8374	0.0004

hsa-miR-30c-5p	0.833	0.0004
hsa-miR-93-5p	0.8374	0.0004
hsa-let-7c-5p	0.8242	0.0005
hsa-miR-23a-3p	0.8198	0.0006
hsa-miR-342-3p	0.811	0.0007
hsa-miR-15b-5p	0.8066	0.0008
hsa-miR-27a-3p	0.8727	0.0009
hsa-miR-29b-3p	0.8242	0.0009
hsa-miR-204-5p	0.7978	0.001
hsa-miR-148a-3p	0.8392	0.0011
hsa-miR-23b-3p	0.7802	0.0015
hsa-miR-30a-5p	0.7758	0.0017
hsa-miR-21-5p	0.7714	0.0019
hsa-miR-16-5p	0.767	0.002
hsa-miR-155-5p	0.8112	0.0022
hsa-miR-98-5p	0.8112	0.0022
hsa-miR-346	0.7802	0.0025
hsa-miR-222-3p	0.8273	0.0027
hsa-miR-29a-3p	0.7538	0.0027
hsa-miR-326	0.7451	0.0031
hsa-miR-145-5p	0.7637	0.0034
hsa-miR-30d-5p	0.7363	0.0037
hsa-let-7a-5p	0.7527	0.0042
hsa-miR-106b-5p	0.7275	0.0043
hsa-miR-195-5p	0.7099	0.0058
hsa-miR-92a-3p	0.7055	0.0063

hsa-miR-34a-5p	0.7818	0.0064
hsa-let-7d-5p	0.6747	0.01
hsa-miR-17-3p	0.7697	0.0126
hsa-miR-27b-3p	0.7364	0.0128
hsa-miR-31-5p	0.6396	0.0161
hsa-miR-19a-3p	0.6643	0.0219
hsa-miR-182-5p	0.6132	0.0224
hsa-miR-331-3p	0.6132	0.0224
hsa-miR-26a-5p	0.6	0.0261
hsa-miR-25-3p	0.5912	0.0288
hsa-miR-210-3p	0.5516	0.0438
hsa-miR-423-5p	0.5385	0.05
hsa-miR-15a-5p	0.5734	0.0556
hsa-let-7g-5p	0.5121	0.0641
hsa-miR-130b-3p	0.5165	0.0741
hsa-miR-181b-5p	0.511	0.0776
hsa-miR-19b-3p	0.4769	0.0872
hsa-miR-139-5p	0.4505	0.1247
hsa-miR-132-3p	0.4615	0.134
hsa-miR-221-3p	0.4476	0.1474
hsa-miR-142-5p	0.4091	0.2141
hsa-miR-101-3p	0.3273	0.3269
hsa-miR-142-3p	0.1758	0.5656

^a Whole blood miRNA expression relative to day 0 was determined by RT-qPCR with miScript miRNA PCR array from n = 14 volunteers

^b p values < 0.05 were considered statistically significant

Table S3. Summary of cohorts and subject numbers

Cohort	#1	#2	#3	#4	Total
Initial PCR array	4	5	5	0	14
Validation	2	1	0	4	7
Total # subjects in analysis	6	6	5	4	21
Total # subjects in cohort	7	7	7	6	27