

ADDITIONAL FILE 11: SUPPLEMENTARY TABLES

Genetic Determinants Of Anti-Malarial Acquired Immunity In A Large Multi-Centre Study

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This file contains **Additional table ST5: Linear regression analysis of the correlations between residuals from the malaria antibody pairs.** Pairwise correlations between residuals were transformed to R-squared prior to analysis. The model was analysed as detailed in the table header with the study site included as a categorical variable ordered by the microscopically positive prevalence at each site (coefficient = study site). Age groups were used as their categories (category [year range]_Years-old). Malaria antibody pairs are indicated in the left-hand column of the table. Kenya was not included as it only had a single age-group and Mali(Pongonon) was also not included because all individuals were selected for being malaria positive.

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antibody pair	lm(r_squared ~ study_site [categorical] + age_group [categorical])				
	coefficient	Estimate	Std_Error	t-value	P-value
ama1-msp1	study Site	-0.005776	0.015137	-0.382	0.7054
	1-2_Years-old	0.102351	0.131576	0.778	0.4425
	2-5_Years-old	-0.0725	0.126701	-0.572	0.5713
	5-15_Years-old	-0.034891	0.120223	-0.29	0.7736
	15-30_Years-old	0.038485	0.120223	0.32	0.751
	>30_Years-old	0.047235	0.123492	0.382	0.7047
ama1-msp2	study Site	-0.005347	0.012123	-0.441	0.66223
	1-2_Years-old	0.08417	0.10538	0.799	0.43052
	2-5_Years-old	0.040132	0.101476	0.395	0.69519
	5-15_Years-old	-0.011408	0.096287	-0.118	0.90645
	15-30_Years-old	-0.081853	0.096287	-0.85	0.40179
	>30_Years-old	-0.098452	0.098905	-0.995	0.32724
msp1-msp2	study Site	-0.01984	0.01533	-1.294	0.205063
	1-2_Years-old	0.01074	0.13326	0.081	0.936307
	2-5_Years-old	-0.11759	0.12832	-0.916	0.366552
	5-15_Years-old	-0.03954	0.12176	-0.325	0.74755
	15-30_Years-old	-0.15428	0.12176	-1.267	0.214544
	>30_Years-old	-0.16343	0.12507	-1.307	0.200911
ama1-nanp	study Site	-0.03153	0.01664	-1.895	0.0697
	1-2_Years-old	0.16128	0.13215	1.22	0.2337
	2-5_Years-old	-0.07073	0.12637	-0.56	0.5806
	5-15_Years-old	-0.09698	0.11981	-0.809	0.4259
	15-30_Years-old	-0.09593	0.11981	-0.801	0.4309
	>30_Years-old	-0.15741	0.12337	-1.276	0.2137
msp1-nanp	study Site	-0.01268	0.01479	-0.857	0.39947
	1-2_Years-old	-0.01846	0.11751	-0.157	0.87641
	2-5_Years-old	-0.0531	0.11237	-0.473	0.64063
	5-15_Years-old	-0.06259	0.10653	-0.588	0.56211
	15-30_Years-old	-0.08205	0.10653	-0.77	0.44838
	>30_Years-old	-0.1569	0.1097	-1.43	0.16501
msp2-nanp	study Site	-0.0419	0.0158	-2.652	0.0137
	1-2_Years-old	-0.05866	0.12551	-0.467	0.6443
	2-5_Years-old	-0.10374	0.12002	-0.864	0.3956
	5-15_Years-old	-0.01242	0.11379	-0.109	0.914
	15-30_Years-old	-0.17387	0.11379	-1.528	0.1391
	>30_Years-old	-0.21811	0.11717	-1.861	0.0745