

**Table S4. Meta-regression results**

Meta-analysis of copper	Covariates	<i>P</i> value	tau2	I <sup>2</sup> (%)	R- squared (%)	
<b>Malaria cases vs uninfected controls</b>	Publication years	0.725	3.274	98.82	0	16
	Study design	0.017	2.218	98.09	27.67	16
	Country	0.265	3.303	98.83	0	16
	Continent	0.041	3.027	98.56	1.29	16
	Age group	0.934	3.914	98.97	0	16
	<i>Plasmodium</i> species	0.248	3.373	98.84	0	16
	Diagnostic method for malaria	0.661	3.265	98.82	0	16
	Method for measurement of copper	0.587	3.472	98.71	0	16
	Blood samples	0.230	3.272	98.68	0	16