

Supplementary Table S1. FBAT *ICAMI* single SNP association results for malaria sub-phenotypes, and for severe malaria in specific populations.

SNP	S	E(S)	Var(S)	P-value	S	E(S)	Var(S)	P-value	S	E(S)	Var(S)	P-value
	Gambia Families				Malawi Families				Kenya Families			
rs5490	213	220.50	98.25	0.45	111	103.00	46.00	0.24	105	106.50	46.25	0.83
rs5030340	51	51.00	25.00	1.00	27	30.00	15.00	0.44	22	24.00	12.00	0.56
rs5030344	56	57.00	28.50	0.85	14	16.50	8.25	0.38	17	13.00	6.50	0.12
rs5030351	180	192.50	89.25	0.19	118	106.00	46.00	0.08	116	119.00	48.50	0.67
rs5491	453	470.00	212.00	0.24	122	108.00	47.00	0.04	112	110.50	44.75	0.82
rs281432	213	220.50	98.25	0.45	79	80.50	37.25	0.81	91	97.50	44.75	0.33
rs5496	123	125.50	61.25	0.75	41	35.00	17.50	0.15	12	19.00	9.50	0.02
rs5498	248	265.00	131.00	0.14	42	46.50	23.25	0.35	56	56.50	27.75	0.92
rs3093030	51	64.50	31.75	0.02	18	17.50	8.75	0.87	31	30.00	15.00	0.80
rs281438	365	369.00	126.50	0.72	157	154.00	53.50	0.68	162	160.50	57.25	0.84
rs2569693	47	53.00	26.00	0.24	12	10.50	5.25	0.51	28	26.00	12.50	0.57
rs281439	338	337.00	131.00	0.93	123	130.00	52.50	0.33	122	122.50	52.75	0.95
rs281440	276	281.50	119.25	0.61	74	84.50	38.25	0.09	111	112.50	45.25	0.82
rs2075741	120	136.00	65.50	0.05	43	41.50	19.75	0.74	58	59.00	26.50	0.85
rs11575074	91	90.50	44.25	0.94	46	48.50	23.75	0.61	35	43.00	21.00	0.08
	Severe Malaria				Cerebral Malaria				Severe Malarial Anaemia			
rs5490	429	430.00	190.50	0.94	255	255.00	112.50	1.00	125	129.50	56.25	0.55
rs5030340	100	105.00	52.00	0.49	63	67.50	33.75	0.44	26	27.50	13.75	0.69
rs5030344	87	86.50	43.25	0.94	42	45.00	22.50	0.53	24	21.00	10.50	0.35
rs5030351	414	417.50	183.75	0.80	249	245.50	107.25	0.74	98	115.50	51.75	0.015
rs5491	687	688.50	303.75	0.93	362	341.50	151.75	0.10	159	174.00	79.00	0.09
rs281432	383	398.50	180.25	0.25	216	231.00	105.00	0.14	103	108.00	48.50	0.47
rs5496	176	179.50	88.25	0.71	99	97.00	47.50	0.77	52	51.50	24.75	0.92
rs5498	346	368.00	182.00	0.10	172	183.00	91.50	0.25	87	94.50	45.25	0.26
rs3093030	100	112.00	55.50	0.11	54	62.00	31.00	0.15	33	33.00	16.00	1.00
rs281438	684	683.50	237.25	0.97	406	392.00	139.00	0.24	196	200.50	68.25	0.59
rs2569693	87	89.50	43.75	0.71	44	50.00	25.00	0.23	25	25.00	11.50	1.00
rs281439	583	589.50	236.25	0.67	327	336.50	134.75	0.41	163	168.50	68.75	0.51
rs281440	461	478.50	202.75	0.22	255	274.50	117.25	0.07	116	125.00	54.50	0.22
rs2075741	221	236.50	111.75	0.14	123	134.00	64.50	0.17	71	69.00	32.50	0.73
rs11575074	172	182.00	89.00	0.29	97	104.50	51.25	0.29	51	54.50	26.75	0.50

FBAT statistic ‘S’, expected FBAT statistic ‘E(S)’, variance ‘Var(S)’ and P-value are reported under the allelic model, for transmissions of the minor allele.