

**DRAFT**

<sup>4</sup>MalariaGEN @@TODO

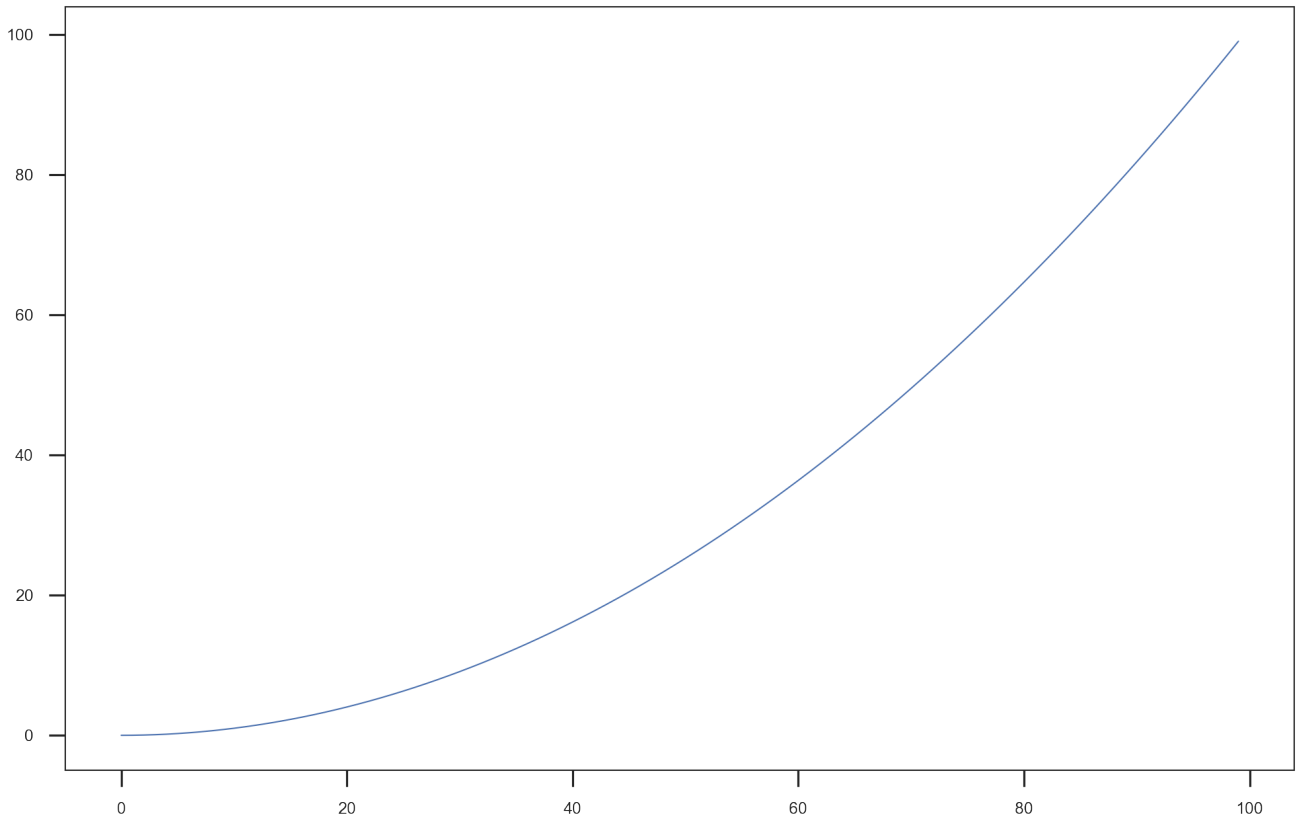
Mutation			Population allele frequency (%)										LD ( $D'$ )	
Position <sup>1</sup>	$Ag^2$	$Ma^3$	AOAc	BFAc	GNAg	BFAg	CMAg	GAAG	UGAg	KE	GW	L995F	L995S	
2,390,177	G>A	R254K	NA	0	0	0	0	32	21	0	0	0	NA	NA
2,391,228	G>C	V402L	NA	0	7	0	0	0	0	0	0	0	NA	NA
2,391,228	G>T	V402L	NA	0	7	0	0	0	0	0	0	0	NA	NA
2,399,997	G>C	D466H	NA	0	0	0	0	7	0	0	0	0	NA	NA
2,400,071	G>A	M490I	NA	0	0	0	0	0	0	0	18	0	NA	NA
2,400,071	G>T	M490I	NA	0	0	0	0	0	0	0	0	0	NA	NA
2,416,980	C>T	T791M	NA	0	1	13	14	0	0	0	0	0	NA	NA
2,422,651	T>C	L995S	NA	0	0	0	0	15	64	100	76	0	NA	NA
2,422,652	A>T	L995F	NA	86	85	100	100	53	36	0	0	0	NA	NA
2,424,384	C>T	A1125V	NA	9	0	0	0	0	0	0	0	0	NA	NA
2,425,077	G>A	V1254I	NA	0	0	0	0	0	0	0	0	5	NA	NA
2,429,617	T>C	I1527T	NA	0	14	0	0	0	0	0	0	0	NA	NA
2,429,745	A>T*	N1570Y	NA	0	26	10	22	6	0	0	0	0	NA	NA
2,429,897	A>G	E1597G	NA	0	0	6	4	0	0	0	0	0	NA	NA
2,429,915	A>C	K1603T	NA	0	5	0	0	0	0	0	0	0	NA	NA
2,430,424	G>T	A1746S	NA	0	0	11	13	0	0	0	0	0	NA	NA
2,430,817	G>A	V1853I	NA	0	0	8	5	0	0	0	0	0	NA	NA
2,430,863	T>C	I1868T	NA	0	0	18	25	0	0	0	0	0	NA	NA
2,430,880	C>T	P1874S	NA	0	21	0	0	0	0	0	0	0	NA	NA
2,430,881	C>T	P1874L	NA	0	7	45	26	0	0	0	0	0	NA	NA
2,431,061	C>T	A1934V	NA	0	12	0	0	0	0	0	0	0	NA	NA
2,431,079	T>C	I1940T	NA	0	4	0	0	7	0	0	0	0	NA	NA

**Table 1. Non-synonymous mutations in the voltage-gated sodium channel gene.** All mutations are at 5% frequency or above in one or more of the 9 Ag1000G phase 1 populations, with the exception of 2,400,071 G>T which is at 0.4% frequency in the CMAg population but is included because another mutation (2,400,071 G>A) is found at the same position causing the same amino acid substitution (M490I). Substitutions marked with an asterisk (\*) failed conservative variant filters applied genome-wide in the Ag1000G phase 1 AR3 callset, but appeared sound on manual inspection of read alignments.

<sup>1</sup>Position relative to AgamP3 reference sequence, chromosome arm 2L.

<sup>2</sup>Codon numbering according to transcript AGAP004707-RA in geneset AgamP4.4.

<sup>3</sup>Codon numbering according to @@TODO.



**Figure 1.** Demo figure.

TODO

Foo	Bar	Baz
1	a	True
2	b	False

**Table 2.** This is a table.

## Discussion

TODO

## Methods

TODO