

haplotype 1	G	A	G	T	T	C	T	C	G	T	C	presence of allele 3
haplotype 2	T	G	G	C	C	C	C	T	A	C	T	absence of allele 3
haplotype 3	T	G	G	C	C	C	T	T	A	T	T	absence of allele 3
	↓	↓	↓					↓				
	$\frac{V}{F}$	$\frac{Q}{R}$	$\frac{C}{R}$					$\frac{A}{V}$				