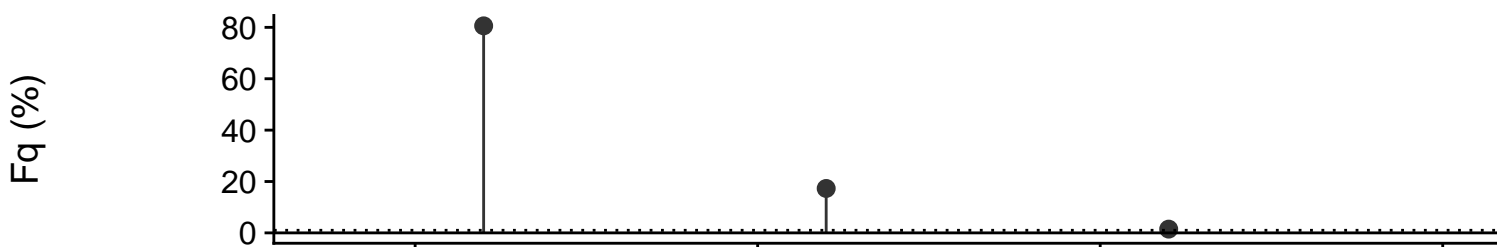
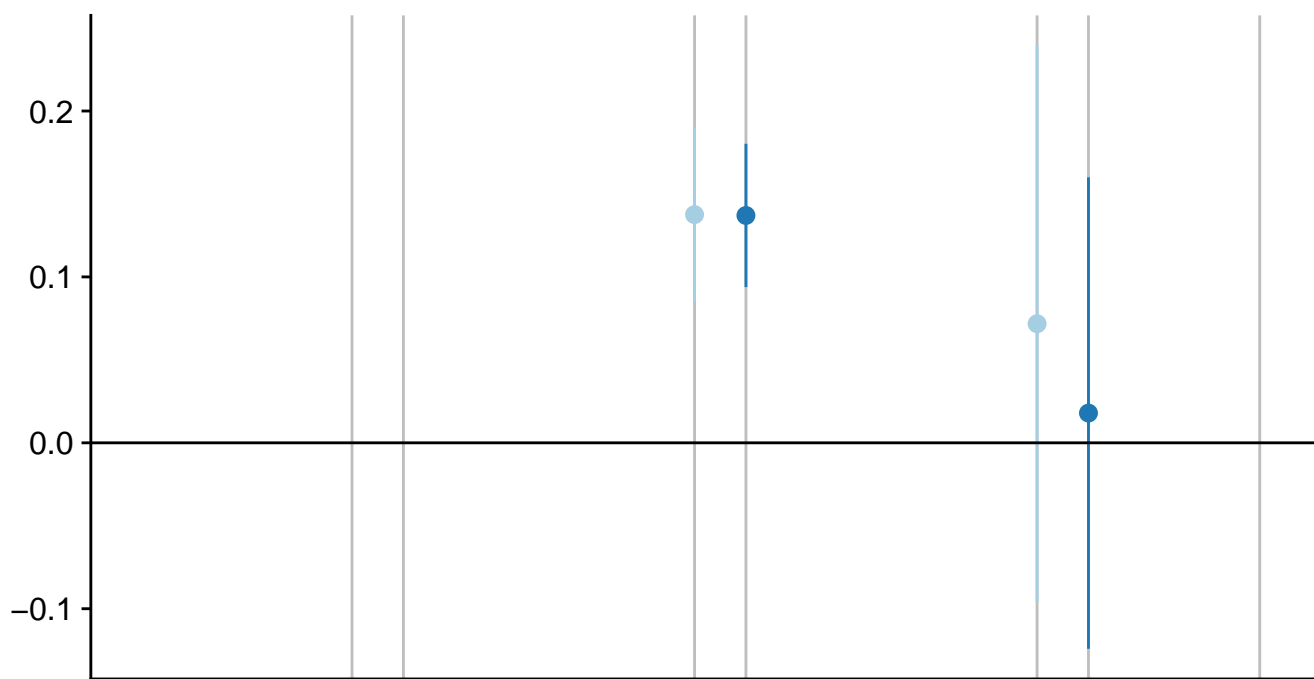


disease ● CEL ● iCEL



SNP	reference haplotype allele		
	rs5754422/A	rs4821124/A	rs7444/A
	A	G	G
	T	C	C
	T	C	C
rs34463645/B	T	C	T
rs5749495/B	A	G	A

reference haplotype allele ☒ FALSE ☐ TRUE