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# CYP2C9\*1 Allele

National Cancer Institute

## Source

National Cancer Institute. *CYP2C9\*1 Allele*. NCI Thesaurus. Code C45610.

Human CYP2C9\*1 allele is located within 10q24 and is approximately 33 kb in length. This allele, a variant form of the CYP2C9 wild-type allele, encodes cytochrome P450 2C9\*1 protein. There are multiple haplotypes of this allele. The nucleotide sequence of CYP2C9\*1A is identical to that of the wild-type allele and exhibits no mutations. Three other haplotypes of this allele exhibit a deletion (g.-2665delTG) and/or a SNP (g.-1188T>C) in the 5'-flanking region upstream of the gene. However, these nucleotide changes have no effect on the enzymatic activity of the corresponding cytochrome P450 2C9\*1 protein.