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# CYP2D6\*1 Allele

National Cancer Institute

## Source

National Cancer Institute. *CYP2D6\*1 Allele*. NCI Thesaurus. Code C45616.

Human CYP2D6\*1 allele is located in the vicinity of 22q13.1 and is approximately 4 kb in length. This allele, a variant form of the CYP2D6 wild-type allele, encodes cytochrome P450 2D6\*1 protein. There are multiple haplotypes of the CYP2D6\*1 allele. The nucleotide sequence of CYP2D6\*1A is identical to that of the wild-type allele and exhibits no mutations. Four other haplotypes of the CYP2D6\*1 allele exhibit SNPs that have no effect on the enzymatic activity of the corresponding cytochrome P450 2D6\*10 proteins.