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CYP2D6*18 Allele

National Cancer Institute

Source

National Cancer Institute. *CYP2D6*18 Allele*. NCI Thesaurus. Code C46050.

Human CYP2D6*18 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*18 protein. The CYP2D6*18 allele exhibits a nine nucleotide insertion (g.4125insGT GCCCACT) in exon 9. This alteration increased the K_m value of the cytochrome P450 2D6*18 protein toward bufuralol, resulting in decreased enzymatic activity.