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CYP2D6*42 Allele

National Cancer Institute

Source

National Cancer Institute. *CYP2D6*42 Allele*. NCI Thesaurus. Code C46059.

Human CYP2D6*42 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*42 protein. The CYP2D6*42 allele exhibits a two nucleotide insertion (g.3259insGT) that results in a frameshift during protein coding. This alteration abolishes the enzymatic activity of the cytochrome P450 2D6*42 protein.