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CYP2D6*21 Allele

National Cancer Institute

Source

National Cancer Institute. *CYP2D6*21 Allele*. NCI Thesaurus. Code C46053.

Human CYP2D6*21 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*21 protein. The CYP2D6*21 allele exhibits a single nucleotide insertion (g.2573insC) in exon 5 that results in a frameshift and generates a stop codon 17 bp downstream of the insertion site. This alteration abolishes the enzymatic activity of the cytochrome P450 2D6*21 protein.