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CYP2C19*9 Allele

National Cancer Institute

Source

National Cancer Institute. *CYP2C19*9 Allele*. NCI Thesaurus. Code C46011.

Human CYP2C19*9 allele is located within 10q24.1-q24.3 and is approximately 90 kb in length. This allele, a variant form of the CYP2C19 wild-type allele, encodes cytochrome P450 2C19*9 protein. The CYP2C19*9 allele exhibits a clinically-relevant SNP (c.431G>A) in exon 3 that results in a R144H coding change. This alteration in protein sequence decreases the enzymatic activity of the cytochrome P450 2C19*9 protein.