

[Open Peer Review on Qeios](#)

# CYP2C9\*5 Allele

National Cancer Institute

## Source

National Cancer Institute. *CYP2C9\*5 Allele*. NCI Thesaurus. Code C45615.

Human CYP2C9\*5 allele is located within 10q24 and is approximately 33 kb in length. This allele, a variant form of the CYP2C9 wild-type allele, encodes cytochrome P450 2C9\*5 protein. The CYP2C9\*5 allele exhibits a clinically-relevant SNP (c.1080C>G) in exon 7 that results in a D360E coding change. This alteration in the cytochrome P450 2C9\*5 protein sequence increases the Km of this enzyme for (S)-warfarin, diclofenac, and lauric acid, thereby decreasing clearance of these drugs.