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TPMT*3A Allele

National Cancer Institute

Source

National Cancer Institute. *TPMT*3A Allele*. NCI Thesaurus. Code C45689.

Human TPMT*3A allele is located in the vicinity of 6p22.3 and is approximately 26 kb in length. This allele, a variant form of the TPMT wild-type allele, encodes thiopurine S-methyltransferase protein. TPMT*3A allele exhibits two clinically-relevant SNPs (c.615G>C and c.874A>G) in that results in coding changes (A154T and Y240C). Together, these alterations abolish the enzymatic activity of the protein encoded by this allelic variant.