

Guide to databank terms

Gene	Protein	Allele (SNP)	RefSNP or Chromosomal position	Genetic consequence	Pharmacokinetic effect	Pharmacodynamic effect	Reference	Confirmation
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Gene: Official nomenclature of the specified gene – as given by the Human Genome Organisation (www.gene.ucl.ac.uk/hugo/).

Protein: Background information on protein features – as outlined by the National Center of Biotechnology Information (NCBI)/Online Mendelian Inheritance in Man (OMIM) (www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=OMIM).

Allele (SNP): Frequently used allelic nomenclature (also includes links to specific nomenclature committees).

RefSNP or Chromosomal position: The RefSNP, referred to as the 'rs' number, is the accession number for the Single Nucleotide Polymorphism database (dbSNP), a public-domain archive for collection of information on genetic polymorphisms (www.ncbi.nlm.nih.gov/books/bv.fcgi?rid=handbook.chapter.1143). Where no RefSNP number is available, a locator reference to the sequence given in Geneview is provided (<http://genewindow.nci.nih.gov/home.jsp>). This includes the chromosomal position number (e.g. Chr7b XXXX), and the nucleotide number (e.g. NT: XXXX), which allow identification of the specific variant nucleotide.

Genetic consequence: The nature and consequence of the genetic variation (e.g. amino acid change, frameshift), or, where this information is not currently available, the affected gene location is given (e.g. promoter, intronic variant).

Pharmacokinetic effect: The pharmacokinetic consequence of the genetic variation i.e. the observable pharmacokinetic effect of the genetic variation on the absorption, distribution, metabolism, and elimination of the antiretroviral drug, as reported in the cited study.

Pharmacodynamic effect: The pharmacodynamic consequence of the genetic variation i.e. the observable clinical effect of the genetic variation on the patient, as reported in the cited study.

Reference: Supporting citation for information reported in the databank. Please note that references are restricted to the HIV field. Additional relevant references may exist for other drugs and medical fields.

Confirmation: The collective opinion of the website Editors on the availability of independent studies supporting the 'key' references. Please note that a 'No' does not necessarily reflect controversy – it may be a result of a (temporary) absence of confirmatory studies.