

Table 1

Summary of Genetic Variation Databases

Name	Purpose	Species
dbSNP	Stores all types of genetic variations less than 50 base pairs	All species
dbVar	Archives large-scale genetic variations	All species
DGV	Provides a catalog of structural variations, including insertion, deletion, and copy number variations	Human
OMIM	Catalogs known diseases with their genetic component	Human
HGMD	Includes a reference to the first literature report of a mutation, the associated disease state, and the gene name, symbol, and chromosomal location	Human
ClinVar	Archives the medically significant variations and phenotypes	Human
SNPedia	Converts the information in large-scale peer-reviewed genomic studies into machine-readable format	Human