

Table 1: DeepPVP model features.

| Feature | Type |
|---|--|
| Pathogenicity prediction | CADD score (numeric) |
| | GWAVA score (numeric) |
| | DANN score (numeric) |
| | PhenomeNet similarity score (numeric) |
| Phenotype-related | Disease inheritance mode: Dominant, Recessive, X-linked, Others/Unknown (one-hot encoding) |
| | High-level phenotype HP_0000078(binary) |
| | High-level phenotype HP_0000291(binary) |
| | High-level phenotype HP_0000708(binary) |
| | High-level phenotype HP_0001901(binary) |
| | High-level phenotype HP_0001939(binary) |
| | High-level phenotype HP_0002086(binary) |
| | High-level phenotype HP_0006476(binary) |
| | High-level phenotype HP_0009126(binary) |
| | High-level phenotype HP_0010515(binary) |
| | High-level phenotype HP_0010948(binary) |
| | High-level phenotype HP_0010987(binary) |
| | High-level phenotype HP_0011017(binary) |
| | High-level phenotype HP_0011025(binary) |
| | High-level phenotype HP_0011277(binary) |
| | High-level phenotype HP_0011482(binary) |
| | High-level phenotype HP_0011915(binary) |
| | High-level phenotype HP_0040063(binary) |
| | High-level phenotype MP_0000003(binary) |
| | High-level phenotype MP_0000358(binary) |
| | High-level phenotype MP_0000428(binary) |
| | High-level phenotype MP_0000462(binary) |
| | High-level phenotype MP_0000516(binary) |
| | High-level phenotype MP_0000685(binary) |
| | High-level phenotype MP_0000716(binary) |
| | High-level phenotype MP_0001188(binary) |
| | High-level phenotype MP_0001213(binary) |
| | High-level phenotype MP_0001270(binary) |
| | High-level phenotype MP_0001533(binary) |
| | High-level phenotype MP_0001663(binary) |
| | High-level phenotype MP_0001672(binary) |
| | High-level phenotype MP_0001764(binary) |
| | High-level phenotype MP_0001790(binary) |
| | High-level phenotype MP_0001983(binary) |
| | High-level phenotype MP_0002060(binary) |
| | High-level phenotype MP_0002089(binary) |
| | High-level phenotype MP_0002095(binary) |
| | High-level phenotype MP_0002106(binary) |
| | High-level phenotype MP_0002109(binary) |
| | High-level phenotype MP_0002138(binary) |
| | High-level phenotype MP_0002139(binary) |
| | High-level phenotype MP_0002163(binary) |
| | High-level phenotype MP_0002164(binary) |
| | High-level phenotype MP_0002396(binary) |
| | High-level phenotype MP_0003385(binary) |
| | High-level phenotype MP_0004133(binary) |
| | High-level phenotype MP_0004134(binary) |
| | High-level phenotype MP_0005408(binary) |
| | High-level phenotype MP_0005451(binary) |
| | High-level phenotype MP_0005621(binary) |
| High-level phenotype MP_0009389(binary) | |
| High-level phenotype MP_0010678(binary) | |
| High-level phenotype MP_0010769(binary) | |
| High-level phenotype MP_0012719(binary) | |
| High-level phenotype MP_0013328(binary) | |
| Genotype | Homozygote or heterozygote (binary) |
| Imputation Flags | CADD flag (binary) |
| | GWAVA flag (binary) |
| | DANN flag (binary) |
| | PhenomeNet similarity flag (binary) |