1. Does VICTOR require external data?

   No. Necessary data are already included.

2. Does VICTOR require third-party programs?

   Yes, tabix (https://github.com/samtools/tabix). There may be other required programs depending on your analysis. For example, GNU parallel may be needed for parallel computation. Please see the Install page for more information.

3. What if I want to use my own gene database file other than the provided Ensembl or RefSeq database?

   You can build your own database file and use a program option or a Configure File (preferred) to set the database to be used. Configure File is preferred because all program runs within the same folder will read the same Configure File and use the same parameters. Please see VANNER's Manual for the format of a gene database file, and VICTOR's Manual for the format of the Configure File.

4. How do I annotate allele frequency in a particular population?

   The provided MaxAF database is the maximum allele frequency calculated from multiple sources. If you are interested in a particular population from a particular dataset, you can build your own Annotation File with only one allele frequency column (the same format as the provided MaxAF file, but the header should not be MaxAF), then use the AF1 parameter (see victor_by_chr or slurm.1 or slurm.steps123) to annotate that file. Alternatively, you can build an Annotation File with multiple allele frequency columns, then annotate using the vAnnDel program. This method allows you to annotate allele frequencies from multiple data sources. I am building such a file now and will post it on this website later. Please look for updates soon.

5. How do I annotate deleteriousness scores such as PolyPhen, SIFT, CADD, REVEL, etc.?

   The package contains a BayesDel scores for all possible SNVs in the entire genome, which were calculated by combining individual deleteriousness scores. If you are interested in a particular deleteriousness score, please download the nsfp33a.gz and nsfp33a.gz.tbi files, save them in /path/to/VICTOR/data/hg19/, and then annotate using the vAnnDel program. This file was updated on 2017-07-26. If you downloaded it before that day, please download again.