Table 1: VirusHunter and VirusGatherer dependencies

| Name | Version | Build |
| --- | --- | --- |
| \_libgcc\_mutex | 0.1 | main |
| \_openmp\_mutex | 5.1 | 1\_gnu |
| bcrypt | 3.2.0 | py36h7b6447c\_0 |
| blas | 1.0 | mkl |
| blast | 2.12.0 | pl5262h3289130\_0 |
| bowtie2 | 2.2.5 | py36h6bb024c\_5 |
| brotlipy | 0.7.0 | py36h27cfd23\_1003 |
| bzip2 | 1.0.8 | h7b6447c\_0 |
| c-ares | 1.19.0 | h5eee18b\_0 |
| ca-certificates | 2024.3.11 | h06a4308\_0 |
| cap3 | 10.2011 | h779adbc\_3 |
| certifi | 2021.5.30 | py36h06a4308\_0 |
| cffi | 1.14.6 | py36h400218f\_0 |
| charset-normalizer | 2.0.4 | pyhd3eb1b0\_0 |
| cryptography | 35.0.0 | py36hd23ed53\_0 |
| curl | 7.88.1 | h5eee18b\_0 |
| docutils | 0.17.1 | py36h06a4308\_1 |
| dropbox | 5.2.1 | py36\_0 |
| emboss | 6.6.0 | he06d7ca\_1 |
| entrez-direct | 16.2 | he881be0\_1 |
| expat | 2.4.9 | h6a678d5\_0 |
| fastp | 0.23.2 | hb7a2d85\_2 |
| filechunkio | 1.6 | py36\_0 |
| fontconfig | 2.14.1 | h52c9d5c\_1 |
| freetype | 2.12.1 | h4a9f257\_0 |
| ftputil | 3.2 | py36\_0 |
| giflib | 5.1.4 | h14c3975\_1 |
| hmmer | 3.3.2 | h87f3376\_2 |
| icu | 58.2 | he6710b0\_3 |
| idna | 3.3 | pyhd3eb1b0\_0 |
| intel-openmp | 2022.1.0 | h9e868ea\_3769 |
| isa-l | 2.30.0 | h7f8727e\_0 |
| jpeg | 9e | h5eee18b\_1 |
| krb5 | 1.19.4 | h568e23c\_0 |
| ld\_impl\_linux-64 | 2.38 | h1181459\_1 |
| libcurl | 7.88.1 | h91b91d3\_0 |
| libdeflate | 1.17 | h5eee18b\_0 |
| libedit | 3.1.20221030 | h5eee18b\_0 |
| libev | 4.33 | h7f8727e\_1 |
| libffi | 3.3 | he6710b0\_2 |
| libgcc-ng | 11.2.0 | h1234567\_1 |
| libgd | 2.2.5 | h8e06009\_4 |
| libgomp | 11.2.0 | h1234567\_1 |
| libiconv | 1.16 | h7f8727e\_2 |
| libidn2 | 2.3.4 | h5eee18b\_0 |
| libnghttp2 | 1.46.0 | hce63b2e\_0 |
| libpng | 1.6.39 | h5eee18b\_0 |
| libsodium | 1.0.18 | h7b6447c\_0 |
| libssh2 | 1.10.0 | h8f2d780\_0 |
| libstdcxx-ng | 11.2.0 | h1234567\_1 |
| libtiff | 4.1.0 | hecacb30\_2 |
| libunistring | 0.9.10 | h27cfd23\_0 |
| libuuid | 1.41.5 | h5eee18b\_0 |
| libwebp | 1.0.1 | h8e7db2f\_0 |
| libxml2 | 2.9.14 | h74e7548\_0 |
| lz4-c | 1.9.4 | h6a678d5\_0 |
| mkl | 2020.2 | 256 |
| mkl-service | 2.3.0 | py36he8ac12f\_0 |
| mkl\_fft | 1.3.0 | py36h54f3939\_0 |
| mkl\_random | 1.1.1 | py36h0573a6f\_0 |
| ncbi-ngs-sdk | 2.11.2 | hff44eed\_0 |
| ncurses | 6.4 | h6a678d5\_0 |
| numpy | 1.19.2 | py36h54aff64\_0 |
| numpy-base | 1.19.2 | py36hfa32c7d\_0 |
| openssl | 1.1.1w | h7f8727e\_0 |
| pandas | 1.1.5 | py36ha9443f7\_0 |
| paramiko | 2.8.1 | pyhd3eb1b0\_0 |
| pcre | 8.45 | h295c915\_0 |
| perl | 5.26.2 | h14c3975\_0 |
| perl-app-cpanminus | 1.7044 | pl526\_1 |
| perl-archive-tar | 2.32 | pl526\_0 |
| perl-carp | 1.38 | pl526\_3 |
| perl-common-sense | 3.74 | pl526\_2 |
| perl-compress-raw-bzip2 | 2.087 | pl526he1b5a44\_0 |
| perl-compress-raw-zlib | 2.087 | pl526hc9558a2\_0 |
| perl-constant | 1.33 | pl526\_1 |
| perl-exporter | 5.72 | pl526\_1 |
| perl-extutils-makemaker | 7.36 | pl526\_1 |
| perl-file-path | 2.16 | pl526\_0 |
| perl-file-temp | 0.2304 | pl526\_2 |
| perl-io-compress | 2.087 | pl526he1b5a44\_0 |
| perl-io-zlib | 1.10 | pl526\_2 |
| perl-json | 4.02 | pl526\_0 |
| perl-json-xs | 2.34 | pl526\_1 |
| perl-list-moreutils | 0.15 | pl526\_1 |
| perl-parent | 0.236 | pl526\_1 |
| perl-pathtools | 3.75 | pl526h14c3975\_1 |
| perl-scalar-list-utils | 1.52 | pl526h516909a\_0 |
| perl-uri | 1.71 | pl526\_3 |
| perl-xml-libxml | 2.0132 | pl526h7ec2d77\_1 |
| perl-xml-namespacesupport | 1.12 | pl526\_0 |
| perl-xml-sax | 1.02 | pl526\_0 |
| perl-xml-sax-base | 1.09 | pl526\_0 |
| pip | 21.2.2 | py36h06a4308\_0 |
| psutil | 5.8.0 | py36h27cfd23\_1 |
| pycparser | 2.21 | pyhd3eb1b0\_0 |
| pynacl | 1.4.0 | py36h7b6447c\_1 |
| pyopenssl | 22.0.0 | pyhd3eb1b0\_0 |
| pysftp | 0.2.9 | py36\_0 |
| pysocks | 1.7.1 | py36h06a4308\_0 |
| python | 3.6.13 | h12debd9\_1 |
| python-dateutil | 2.8.2 | pyhd3eb1b0\_0 |
| pytz | 2021.3 | pyhd3eb1b0\_0 |
| pyyaml | 5.4.1 | py36h27cfd23\_1 |
| readline | 8.2 | h5eee18b\_0 |
| requests | 2.27.1 | pyhd3eb1b0\_0 |
| seqtk | 1.3 | h5bf99c6\_3 |
| setuptools | 58.0.4 | py36h06a4308\_0 |
| six | 1.16.0 | pyhd3eb1b0\_1 |
| snakemake | 3.13.3 | py36\_0 |
| spades | 3.13.1 | 0 |
| sqlite | 3.41.2 | h5eee18b\_0 |
| sra-tools | 2.10.0 | pl526he1b5a44\_0 |
| tk | 8.6.12 | h1ccaba5\_0 |
| urllib3 | 1.26.8 | pyhd3eb1b0\_0 |
| vsearch | 2.18.0 | h95f258a\_0 |
| wget | 1.21.3 | h0b77cf5\_0 |
| wheel | 0.37.1 | pyhd3eb1b0\_0 |
| wrapt | 1.12.1 | py36h7b6447c\_1 |
| xz | 5.4.2 | h5eee18b\_0 |
| yaml | 0.2.5 | h7b6447c\_0 |
| zlib | 1.2.13 | h5eee18b\_0 |
| zstd | 1.5.5 | hc292b87\_0 |