This Word module should be used for all taxonomic proposals.

Please complete **Part 1** and:

either **Part 3** for proposals to create new taxa or change existing taxa

or **Part 2** for proposals of a general nature.

Submit the completed Word module, together with the accompanying Excel module named in Part 3, to the appropriate ICTV Subcommittee Chair.

For guidance, see the notes written in blue, below, and the help notes in file Taxonomic\_Proposals\_Help\_2018.

**Part 1:** **TITLE, AUTHORS, etc**

|  |  |  |
| --- | --- | --- |
| **Code assigned:** | ***2018.125B*** | (to be completed by ICTV officers) |
| **Short title: To create 61 new species in existing genera of the family *Myoviridae*** (e.g. “6 new species in the genus *Zetavirus”*) |
|  |
| **Author(s):** |
| Andrew Kropinski - University of Guelph, CanadaIgor Tolstoy – NCBI, USAEvelien Adriaenssens - University of Liverpool, UK |
| **Corresponding author with e-mail address:** |
| Evelien Adriaenssens evelien.adriaenssens@gmail.com |
| **List the ICTV study group(s) that have seen this proposal:** |
| A list of study groups and contacts is provided at <http://www.ictvonline.org/subcommittees.asp> . If in doubt, contact the appropriate subcommittee chair (there are six virus subcommittees: animal DNA and retroviruses, animal ssRNA-, animal ssRNA+, fungal and protist, plant, bacterial and archaeal) | **Bacterial and Archaeal Viruses Subcommittee****Caudovirales SG** |
| **ICTV Study Group comments (if any) and response of the proposer:** |
|       |
|  |
| Date first submitted to ICTV: | June 2018 |
| Date of this revision (if different to above): |       |

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| **ICTV-EC comments and response of the proposer:** |
|      Number of species reduced; and, DNA sequence relatedness added |

**Part 2:** **NON-STANDARD**

Template for any proposal regarding ICTV procedures, rules or policy, not involving the creation of new taxonomy.

| **Text of proposal:** |
| --- |
|  |

**Part 3:** **PROPOSED TAXONOMY**

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| --- |
| **Name of accompanying Excel module: 2018.125B.A.v2.Myoviridae\_61sp** |

The taxonomic changes you are proposing should be presented on an accompanying Excel module, 2017\_TP\_Template\_Excel\_module. Please enter the file name of the completed module in this box.

**Supporting material:**

| additional material in support of this proposal |
| --- |
| Please explain the reasons for the taxonomic changes you are proposing and provide evidence to support them. The following information should be provided, where relevant:* **Species demarcation criteria**: Explain how new species differ from others in the genus and demonstrate that these differences meet the criteria previously established for demarcating between species. If no criteriahave previously been established, and if there will now be more than one species in the genus, please state the demarcation criteria you are proposing.
* **Higher taxa**:
	+ There is no formal requirement to state demarcation criteria when proposing new genera or other higher taxa. However, a similar concept should apply in pursuit of a rational and consistent virus taxonomy.
	+ Please indicate the **origin of names** assigned to new taxa at genus level and above.
	+ For each new genus a **type species** must be designated to represent it. Please explain your choice.
* **Supporting evidence**: The use of Figures and Tables is strongly recommended (note that copying from publications will require permission from the copyright holder). For phylogenetic analysis, try to provide a tree where branch length is related to genetic distance.
 |

**Species demarcation:** We have chosen 95% DNA sequence identity as the criterion for demarcation of species in this new genus. Each of the proposed species differs from the others with more than 5% at the DNA level as confirmed with the BLASTN algorithm.

**Supporting evidence:**

The creation of new species in existing genera was based on two criteria, BLASTN similarity > 65% of the phage isolate with the type isolate of the genus (over the entire length of the genome) and its position in the NCBI BLASTN taxonomy tree. Phages placed within a node delineating an existing genus were assigned to that genus and new species were created for these phages which genomes were more than 5% different from existing species in the genus.

This resulted in unambiguous assignments of 61 new species in existing genera of the family *Myoviridae*. Some of these genera were renamed in proposal 2018.007B and the new names were used in the accompanying Excel file.

Table 1. BLASTN analysis. Sequences displaying 100% identity in a yellow box are the type viruses.

|  |  |  |
| --- | --- | --- |
| **Description** | **Accession** | **Overall % DNA sequence identity** |
| [Enterobacteria phage T4](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472583432&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1654926%20%5bORGN%5d%20OR%20txid2024308%20%5bORGN%5d%20OR%20txid1965365%20%5bORGN%5d%20OR%20txid2024320%20%5bORGN%5d%20OR%20txid2024309%20%5bORGN%5d%20OR%20txid1720496%20%5bORGN%5d%20OR%20txid1863007%20%5bORGN%5d%20OR%20txid1720497%20%5bORGN%5d%20OR%20txid10665%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMNB5ZVB015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_29345244) | [AF158101.6](https://www.ncbi.nlm.nih.gov/nucleotide/AF158101.6?report=genbank&log$=nucltop&blast_rank=1&RID=UMNB5ZVB015) | 100% |
| [Escherichia phage slur03](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472583432&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1654926%20%5bORGN%5d%20OR%20txid2024308%20%5bORGN%5d%20OR%20txid1965365%20%5bORGN%5d%20OR%20txid2024320%20%5bORGN%5d%20OR%20txid2024309%20%5bORGN%5d%20OR%20txid1720496%20%5bORGN%5d%20OR%20txid1863007%20%5bORGN%5d%20OR%20txid1720497%20%5bORGN%5d%20OR%20txid10665%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMNB5ZVB015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_932862346) | [LN881728.1](https://www.ncbi.nlm.nih.gov/nucleotide/LN881728.1?report=genbank&log$=nucltop&blast_rank=8&RID=UMNB5ZVB015) | 87% |
| [Escherichia phage slur04](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472583432&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1654926%20%5bORGN%5d%20OR%20txid2024308%20%5bORGN%5d%20OR%20txid1965365%20%5bORGN%5d%20OR%20txid2024320%20%5bORGN%5d%20OR%20txid2024309%20%5bORGN%5d%20OR%20txid1720496%20%5bORGN%5d%20OR%20txid1863007%20%5bORGN%5d%20OR%20txid1720497%20%5bORGN%5d%20OR%20txid10665%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMNB5ZVB015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_932862619) | [LN881729.1](https://www.ncbi.nlm.nih.gov/nucleotide/LN881729.1?report=genbank&log$=nucltop&blast_rank=9&RID=UMNB5ZVB015) | 87% |
| [Shigella phage Sf24](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472583432&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1654926%20%5bORGN%5d%20OR%20txid2024308%20%5bORGN%5d%20OR%20txid1965365%20%5bORGN%5d%20OR%20txid2024320%20%5bORGN%5d%20OR%20txid2024309%20%5bORGN%5d%20OR%20txid1720496%20%5bORGN%5d%20OR%20txid1863007%20%5bORGN%5d%20OR%20txid1720497%20%5bORGN%5d%20OR%20txid10665%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMNB5ZVB015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1336449083) | [MF327008.1](https://www.ncbi.nlm.nih.gov/nucleotide/MF327008.1?report=genbank&log$=nucltop&blast_rank=10&RID=UMNB5ZVB015) | 87% |
| [Escherichia phage HY03](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472583432&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1654926%20%5bORGN%5d%20OR%20txid2024308%20%5bORGN%5d%20OR%20txid1965365%20%5bORGN%5d%20OR%20txid2024320%20%5bORGN%5d%20OR%20txid2024309%20%5bORGN%5d%20OR%20txid1720496%20%5bORGN%5d%20OR%20txid1863007%20%5bORGN%5d%20OR%20txid1720497%20%5bORGN%5d%20OR%20txid10665%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMNB5ZVB015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_827197783) | [KR269718.1](https://www.ncbi.nlm.nih.gov/nucleotide/KR269718.1?report=genbank&log$=nucltop&blast_rank=11&RID=UMNB5ZVB015) | 80% |
| [Shigella phage SHBML-50-1](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472583432&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1654926%20%5bORGN%5d%20OR%20txid2024308%20%5bORGN%5d%20OR%20txid1965365%20%5bORGN%5d%20OR%20txid2024320%20%5bORGN%5d%20OR%20txid2024309%20%5bORGN%5d%20OR%20txid1720496%20%5bORGN%5d%20OR%20txid1863007%20%5bORGN%5d%20OR%20txid1720497%20%5bORGN%5d%20OR%20txid10665%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMNB5ZVB015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1040970666) | [KX130864.1](https://www.ncbi.nlm.nih.gov/nucleotide/KX130864.1?report=genbank&log$=nucltop&blast_rank=12&RID=UMNB5ZVB015) | 86% |
| [Shigella phage Sf21](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472583432&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1654926%20%5bORGN%5d%20OR%20txid2024308%20%5bORGN%5d%20OR%20txid1965365%20%5bORGN%5d%20OR%20txid2024320%20%5bORGN%5d%20OR%20txid2024309%20%5bORGN%5d%20OR%20txid1720496%20%5bORGN%5d%20OR%20txid1863007%20%5bORGN%5d%20OR%20txid1720497%20%5bORGN%5d%20OR%20txid10665%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMNB5ZVB015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1336449628) | [MF327007.1](https://www.ncbi.nlm.nih.gov/nucleotide/MF327007.1?report=genbank&log$=nucltop&blast_rank=13&RID=UMNB5ZVB015) | 81% |
| [Shigella phage Sf22](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472583432&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1654926%20%5bORGN%5d%20OR%20txid2024308%20%5bORGN%5d%20OR%20txid1965365%20%5bORGN%5d%20OR%20txid2024320%20%5bORGN%5d%20OR%20txid2024309%20%5bORGN%5d%20OR%20txid1720496%20%5bORGN%5d%20OR%20txid1863007%20%5bORGN%5d%20OR%20txid1720497%20%5bORGN%5d%20OR%20txid10665%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMNB5ZVB015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1251977329) | [MF158045.1](https://www.ncbi.nlm.nih.gov/nucleotide/MF158045.1?report=genbank&log$=nucltop&blast_rank=14&RID=UMNB5ZVB015) | 85% |
| [Bacteriophage Felix 01](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472586042&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid77775%20%5bORGN%5d%20OR%20txid2060124%20%5bORGN%5d%20OR%20txid2060122%20%5bORGN%5d%20OR%20txid1965374%20%5bORGN%5d%20OR%20txid1857100%20%5bORGN%5d%20OR%20txid1873990%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMPAB044014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_33340243) | [AF320576.1](https://www.ncbi.nlm.nih.gov/nucleotide/AF320576.1?report=genbank&log$=nucltop&blast_rank=1&RID=UMPAB044014) | 100% |
| [Salmonella phage BPS15Q2](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472586042&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid77775%20%5bORGN%5d%20OR%20txid2060124%20%5bORGN%5d%20OR%20txid2060122%20%5bORGN%5d%20OR%20txid1965374%20%5bORGN%5d%20OR%20txid1857100%20%5bORGN%5d%20OR%20txid1873990%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMPAB044014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1043843790) | [KX405003.1](https://www.ncbi.nlm.nih.gov/nucleotide/KX405003.1?report=genbank&log$=nucltop&blast_rank=2&RID=UMPAB044014) | 91% |
| [Escherichia phage vB\_EcoM\_Alf5](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472586042&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid77775%20%5bORGN%5d%20OR%20txid2060124%20%5bORGN%5d%20OR%20txid2060122%20%5bORGN%5d%20OR%20txid1965374%20%5bORGN%5d%20OR%20txid1857100%20%5bORGN%5d%20OR%20txid1873990%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMPAB044014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1043843493) | [KX377933.1](https://www.ncbi.nlm.nih.gov/nucleotide/KX377933.1?report=genbank&log$=nucltop&blast_rank=3&RID=UMPAB044014) | 90% |
| [Salmonella phage Si3](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472586042&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid77775%20%5bORGN%5d%20OR%20txid2060124%20%5bORGN%5d%20OR%20txid2060122%20%5bORGN%5d%20OR%20txid1965374%20%5bORGN%5d%20OR%20txid1857100%20%5bORGN%5d%20OR%20txid1873990%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMPAB044014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1184849704) | [KY626162.1](https://www.ncbi.nlm.nih.gov/nucleotide/KY626162.1?report=genbank&log$=nucltop&blast_rank=4&RID=UMPAB044014) | 91% |
| [Salmonella phage BPS17W1](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472586042&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid77775%20%5bORGN%5d%20OR%20txid2060124%20%5bORGN%5d%20OR%20txid2060122%20%5bORGN%5d%20OR%20txid1965374%20%5bORGN%5d%20OR%20txid1857100%20%5bORGN%5d%20OR%20txid1873990%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMPAB044014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1321074130) | [MG646669.1](https://www.ncbi.nlm.nih.gov/nucleotide/MG646669.1?report=genbank&log$=nucltop&blast_rank=5&RID=UMPAB044014) | 89% |
| [Salmonella phage BPS17L1](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472586042&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid77775%20%5bORGN%5d%20OR%20txid2060124%20%5bORGN%5d%20OR%20txid2060122%20%5bORGN%5d%20OR%20txid1965374%20%5bORGN%5d%20OR%20txid1857100%20%5bORGN%5d%20OR%20txid1873990%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMPAB044014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1321075053) | [MG646672.1](https://www.ncbi.nlm.nih.gov/nucleotide/MG646672.1?report=genbank&log$=nucltop&blast_rank=6&RID=UMPAB044014) | 86% |
| [Erwinia phage Ea35-70](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=111605618&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1429768%20%5bORGN%5d%20OR%20txid2060127%20%5bORGN%5d%20OR%20txid2060129%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMR84SUP01R&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_583926848) | [KF806589.1](https://www.ncbi.nlm.nih.gov/nucleotide/KF806589.1?report=genbank&log$=nucltop&blast_rank=1&RID=UMR84SUP01R) | 100% |
| [Erwinia phage vB\_EamM\_Desertfox](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=111605618&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1429768%20%5bORGN%5d%20OR%20txid2060127%20%5bORGN%5d%20OR%20txid2060129%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMR84SUP01R&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1315517269) | [MG655268.1](https://www.ncbi.nlm.nih.gov/nucleotide/MG655268.1?report=genbank&log$=nucltop&blast_rank=3&RID=UMR84SUP01R) | 94% |
| [Arthrobacter phage vB\_ArtM-ArV1](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1566993%20%5bORGN%5d%20OR%20txid2015834%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMWWF0P6015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_729029932) | [KM879463.1](https://www.ncbi.nlm.nih.gov/nucleotide/KM879463.1?report=genbank&log$=nucltop&blast_rank=1&RID=UMWWF0P6015) | 100% |
| [Arthrobacter phage Colucci](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1566993%20%5bORGN%5d%20OR%20txid2015834%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMWWF0P6015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1240264473) | [MF185718.1](https://www.ncbi.nlm.nih.gov/nucleotide/MF185718.1?report=genbank&log$=nucltop&blast_rank=2&RID=UMWWF0P6015) | 75% |
| [Mycobacteriophage Bxz1](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=111607898&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid205877%20%5bORGN%5d%20OR%20txid1913044%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMX28Y1E01R&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_29425236) | [AY129337.1](https://www.ncbi.nlm.nih.gov/nucleotide/AY129337.1?report=genbank&log$=nucltop&blast_rank=1&RID=UMX28Y1E01R) | 100% |
| [Mycobacterium phage Lukilu](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=111607898&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid205877%20%5bORGN%5d%20OR%20txid1913044%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMX28Y1E01R&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1103727080) | [KX831080.1](https://www.ncbi.nlm.nih.gov/nucleotide/KX831080.1?report=genbank&log$=nucltop&blast_rank=2&RID=UMX28Y1E01R) | 91% |
| [Campylobacter phage CP8](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472603162&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1340809%20%5bORGN%5d%20OR%20txid1904491%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMXR0J12014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_529281747) | [KF148616.1](https://www.ncbi.nlm.nih.gov/nucleotide/KF148616.1?report=genbank&log$=nucltop&blast_rank=1&RID=UMXR0J12014) | 100% |
| [Campylobacter phage vB\_CjeM\_Los1](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472603162&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1340809%20%5bORGN%5d%20OR%20txid1904491%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMXR0J12014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1072747328) | [KX879627.1](https://www.ncbi.nlm.nih.gov/nucleotide/KX879627.1?report=genbank&log$=nucltop&blast_rank=2&RID=UMXR0J12014) | 93% |
| [Pseudomonas phage KPP10 DNA](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=111608198&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid582345%20%5bORGN%5d%20OR%20txid1983539%20%5bORGN%5d%20OR%20txid1542092%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMXX3XBJ01R&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_346223373) | [AB472900.2](https://www.ncbi.nlm.nih.gov/nucleotide/AB472900.2?report=genbank&log$=nucltop&blast_rank=1&RID=UMXX3XBJ01R) | 100% |
| [Pseudomonas phage vB\_PaeM\_G1](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=111608198&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid582345%20%5bORGN%5d%20OR%20txid1983539%20%5bORGN%5d%20OR%20txid1542092%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMXX3XBJ01R&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1201093587) | [KY994101.1](https://www.ncbi.nlm.nih.gov/nucleotide/KY994101.1?report=genbank&log$=nucltop&blast_rank=2&RID=UMXX3XBJ01R) | 95% |
| [Pseudomonas phage vB\_PaeM\_PS24](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=111608198&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid582345%20%5bORGN%5d%20OR%20txid1983539%20%5bORGN%5d%20OR%20txid1542092%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMXX3XBJ01R&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_701904528) | [KM434186.1](https://www.ncbi.nlm.nih.gov/nucleotide/KM434186.1?report=genbank&log$=nucltop&blast_rank=3&RID=UMXX3XBJ01R) | 90% |
| [Arthrobacter phage Martha](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472604072&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1772307%20%5bORGN%5d%20OR%20txid1796994%20%5bORGN%5d%20OR%20txid2015815%20%5bORGN%5d%20OR%20txid2024282%20%5bORGN%5d%20OR%20txid2024283%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMY70A83015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_974133109) | [KU160656.1](https://www.ncbi.nlm.nih.gov/nucleotide/KU160656.1?report=genbank&log$=nucltop&blast_rank=1&RID=UMY70A83015) | 100% |
| [Arthrobacter phage Shade](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472604072&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1772307%20%5bORGN%5d%20OR%20txid1796994%20%5bORGN%5d%20OR%20txid2015815%20%5bORGN%5d%20OR%20txid2024282%20%5bORGN%5d%20OR%20txid2024283%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMY70A83015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1227564208) | [MF189178.1](https://www.ncbi.nlm.nih.gov/nucleotide/MF189178.1?report=genbank&log$=nucltop&blast_rank=2&RID=UMY70A83015) | 91% |
| [Arthrobacter phage BarretLemon](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472604072&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1772307%20%5bORGN%5d%20OR%20txid1796994%20%5bORGN%5d%20OR%20txid2015815%20%5bORGN%5d%20OR%20txid2024282%20%5bORGN%5d%20OR%20txid2024283%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMY70A83015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1001941623) | [KU647629.1](https://www.ncbi.nlm.nih.gov/nucleotide/KU647629.1?report=genbank&log$=nucltop&blast_rank=3&RID=UMY70A83015) | 75% |
| [Arthrobacter phage Piccoletto](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472604072&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1772307%20%5bORGN%5d%20OR%20txid1796994%20%5bORGN%5d%20OR%20txid2015815%20%5bORGN%5d%20OR%20txid2024282%20%5bORGN%5d%20OR%20txid2024283%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMY70A83015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1227564133) | [MF189177.1](https://www.ncbi.nlm.nih.gov/nucleotide/MF189177.1?report=genbank&log$=nucltop&blast_rank=4&RID=UMY70A83015) | 68% |
| [Arthrobacter phage Beans](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472604072&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1772307%20%5bORGN%5d%20OR%20txid1796994%20%5bORGN%5d%20OR%20txid2015815%20%5bORGN%5d%20OR%20txid2024282%20%5bORGN%5d%20OR%20txid2024283%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMY70A83015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1227918862) | [MF324907.1](https://www.ncbi.nlm.nih.gov/nucleotide/MF324907.1?report=genbank&log$=nucltop&blast_rank=5&RID=UMY70A83015) | 65% |
| [Citrobacter phage Moogle](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472604432&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1540094%20%5bORGN%5d%20OR%20txid2024316%20%5bORGN%5d%20OR%20txid2024304%20%5bORGN%5d%20OR%20txid2024305%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMYDW8Z8014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_701946626) | [KM236239.1](https://www.ncbi.nlm.nih.gov/nucleotide/KM236239.1?report=genbank&log$=nucltop&blast_rank=1&RID=UMYDW8Z8014) | 100% |
| [Shigella phage Sf17](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472604432&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1540094%20%5bORGN%5d%20OR%20txid2024316%20%5bORGN%5d%20OR%20txid2024304%20%5bORGN%5d%20OR%20txid2024305%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMYDW8Z8014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1336448944) | [MF327004.1](https://www.ncbi.nlm.nih.gov/nucleotide/MF327004.1?report=genbank&log$=nucltop&blast_rank=2&RID=UMYDW8Z8014) | 88% |
| [Shigella phage Sf14](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472604432&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1540094%20%5bORGN%5d%20OR%20txid2024316%20%5bORGN%5d%20OR%20txid2024304%20%5bORGN%5d%20OR%20txid2024305%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMYDW8Z8014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1336448812) | [MF327003.1](https://www.ncbi.nlm.nih.gov/nucleotide/MF327003.1?report=genbank&log$=nucltop&blast_rank=3&RID=UMYDW8Z8014) | 87% |
| [Shigella phage Sf13](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472604432&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1540094%20%5bORGN%5d%20OR%20txid2024316%20%5bORGN%5d%20OR%20txid2024304%20%5bORGN%5d%20OR%20txid2024305%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMYDW8Z8014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1246488699) | [MF158040.1](https://www.ncbi.nlm.nih.gov/nucleotide/MF158040.1?report=genbank&log$=nucltop&blast_rank=4&RID=UMYDW8Z8014) | 87% |
| [Enterobacteria phage P1 mod749::IS5 c1.100 mutant](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472604752&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid10678%20%5bORGN%5d%20OR%20txid1590550%20%5bORGN%5d%20OR%20txid1815968%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMYKXGPD014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_33338653) | [AF234172.1](https://www.ncbi.nlm.nih.gov/nucleotide/AF234172.1?report=genbank&log$=nucltop&blast_rank=1&RID=UMYKXGPD014) | 100% |
| [Enterobacteria phage P7](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472604752&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid10678%20%5bORGN%5d%20OR%20txid1590550%20%5bORGN%5d%20OR%20txid1815968%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMYKXGPD014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_33323506) | [AF503408.1](https://www.ncbi.nlm.nih.gov/nucleotide/AF503408.1?report=genbank&log$=nucltop&blast_rank=3&RID=UMYKXGPD014) | 88% |
| [Escherichia phage RCS47](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472604752&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid10678%20%5bORGN%5d%20OR%20txid1590550%20%5bORGN%5d%20OR%20txid1815968%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMYKXGPD014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_675218243) | [FO818745.1](https://www.ncbi.nlm.nih.gov/nucleotide/FO818745.1?report=genbank&log$=nucltop&blast_rank=4&RID=UMYKXGPD014) | 82% |
| [Salmonella phage SJ46](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472604752&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid10678%20%5bORGN%5d%20OR%20txid1590550%20%5bORGN%5d%20OR%20txid1815968%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMYKXGPD014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1009102576) | [KU760857.1](https://www.ncbi.nlm.nih.gov/nucleotide/KU760857.1?report=genbank&log$=nucltop&blast_rank=5&RID=UMYKXGPD014) | 78% |
| [Pseudomonas phage PAK\_P1](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472605322&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid743813%20%5bORGN%5d%20OR%20txid1916099%20%5bORGN%5d%20OR%20txid1913575%20%5bORGN%5d%20OR%20txid1815957%20%5bORGN%5d%20OR%20txid1348912%20%5bORGN%5d%20OR%20txid1639815%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMYWVMJB014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_529282156) | [KC862297.1](https://www.ncbi.nlm.nih.gov/nucleotide/KC862297.1?report=genbank&log$=nucltop&blast_rank=1&RID=UMYWVMJB014) | 100% |
| [Pseudomonas phage vB\_PaeM\_MAG1](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472605322&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid743813%20%5bORGN%5d%20OR%20txid1916099%20%5bORGN%5d%20OR%20txid1913575%20%5bORGN%5d%20OR%20txid1815957%20%5bORGN%5d%20OR%20txid1348912%20%5bORGN%5d%20OR%20txid1639815%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMYWVMJB014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_919048854) | [KR052143.1](https://www.ncbi.nlm.nih.gov/nucleotide/KR052143.1?report=genbank&log$=nucltop&blast_rank=2&RID=UMYWVMJB014) | 86% |
| [Pseudomonas phage PA10](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472605322&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid743813%20%5bORGN%5d%20OR%20txid1916099%20%5bORGN%5d%20OR%20txid1913575%20%5bORGN%5d%20OR%20txid1815957%20%5bORGN%5d%20OR%20txid1348912%20%5bORGN%5d%20OR%20txid1639815%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMYWVMJB014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1103771975) | [KY000083.1](https://www.ncbi.nlm.nih.gov/nucleotide/KY000083.1?report=genbank&log$=nucltop&blast_rank=3&RID=UMYWVMJB014) | 85% |
| [Pseudomonas phage PAK\_P2](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472605322&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid743813%20%5bORGN%5d%20OR%20txid1916099%20%5bORGN%5d%20OR%20txid1913575%20%5bORGN%5d%20OR%20txid1815957%20%5bORGN%5d%20OR%20txid1348912%20%5bORGN%5d%20OR%20txid1639815%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMYWVMJB014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_526776091) | [KC862298.1](https://www.ncbi.nlm.nih.gov/nucleotide/KC862298.1?report=genbank&log$=nucltop&blast_rank=4&RID=UMYWVMJB014) | 85% |
| [Pseudomonas phage phiMK](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472605322&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid743813%20%5bORGN%5d%20OR%20txid1916099%20%5bORGN%5d%20OR%20txid1913575%20%5bORGN%5d%20OR%20txid1815957%20%5bORGN%5d%20OR%20txid1348912%20%5bORGN%5d%20OR%20txid1639815%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMYWVMJB014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1007009751) | [KU761955.1](https://www.ncbi.nlm.nih.gov/nucleotide/KU761955.1?report=genbank&log$=nucltop&blast_rank=5&RID=UMYWVMJB014) | 85% |
| [Pseudomonas phage Zigelbrucke](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472605322&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid743813%20%5bORGN%5d%20OR%20txid1916099%20%5bORGN%5d%20OR%20txid1913575%20%5bORGN%5d%20OR%20txid1815957%20%5bORGN%5d%20OR%20txid1348912%20%5bORGN%5d%20OR%20txid1639815%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMYWVMJB014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1103734712) | [KY073228.1](https://www.ncbi.nlm.nih.gov/nucleotide/KY073228.1?report=genbank&log$=nucltop&blast_rank=6&RID=UMYWVMJB014) | 85% |
| [Pseudomonas phage PB1](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472606872&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid538398%20%5bORGN%5d%20OR%20txid1597972%20%5bORGN%5d%20OR%20txid1913570%20%5bORGN%5d%20OR%20txid1675014%20%5bORGN%5d%20OR%20txid2034347%20%5bORGN%5d%20OR%20txid2034346%20%5bORGN%5d%20OR%20txid1158680%20%5bORGN%5d%20OR%20txid1542090%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMZHT0BV015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_190333465) | [EU716414.1](https://www.ncbi.nlm.nih.gov/nucleotide/EU716414.1?report=genbank&log$=nucltop&blast_rank=1&RID=UMZHT0BV015) | 100% |
| [Pseudomonas phage vB\_PaeM\_E217](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472606872&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid538398%20%5bORGN%5d%20OR%20txid1597972%20%5bORGN%5d%20OR%20txid1913570%20%5bORGN%5d%20OR%20txid1675014%20%5bORGN%5d%20OR%20txid2034347%20%5bORGN%5d%20OR%20txid2034346%20%5bORGN%5d%20OR%20txid1158680%20%5bORGN%5d%20OR%20txid1542090%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMZHT0BV015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1241129671) | [MF490240.1](https://www.ncbi.nlm.nih.gov/nucleotide/MF490240.1?report=genbank&log$=nucltop&blast_rank=2&RID=UMZHT0BV015) | 87% |
| [Pseudomonas phage phiKTN6](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472606872&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid538398%20%5bORGN%5d%20OR%20txid1597972%20%5bORGN%5d%20OR%20txid1913570%20%5bORGN%5d%20OR%20txid1675014%20%5bORGN%5d%20OR%20txid2034347%20%5bORGN%5d%20OR%20txid2034346%20%5bORGN%5d%20OR%20txid1158680%20%5bORGN%5d%20OR%20txid1542090%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMZHT0BV015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_827196638) | [KP340288.1](https://www.ncbi.nlm.nih.gov/nucleotide/KP340288.1?report=genbank&log$=nucltop&blast_rank=3&RID=UMZHT0BV015) | 87% |
| [Pseudomonas phage vB\_PaeM\_CEB\_DP1](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472606872&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid538398%20%5bORGN%5d%20OR%20txid1597972%20%5bORGN%5d%20OR%20txid1913570%20%5bORGN%5d%20OR%20txid1675014%20%5bORGN%5d%20OR%20txid2034347%20%5bORGN%5d%20OR%20txid2034346%20%5bORGN%5d%20OR%20txid1158680%20%5bORGN%5d%20OR%20txid1542090%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMZHT0BV015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_873245415) | [KR869157.1](https://www.ncbi.nlm.nih.gov/nucleotide/KR869157.1?report=genbank&log$=nucltop&blast_rank=4&RID=UMZHT0BV015) | 86% |
| [Pseudomonas phage NH-4](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472606872&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid538398%20%5bORGN%5d%20OR%20txid1597972%20%5bORGN%5d%20OR%20txid1913570%20%5bORGN%5d%20OR%20txid1675014%20%5bORGN%5d%20OR%20txid2034347%20%5bORGN%5d%20OR%20txid2034346%20%5bORGN%5d%20OR%20txid1158680%20%5bORGN%5d%20OR%20txid1542090%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMZHT0BV015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_379697244) | [JN254800.1](https://www.ncbi.nlm.nih.gov/nucleotide/JN254800.1?report=genbank&log$=nucltop&blast_rank=5&RID=UMZHT0BV015) | 86% |
| [Pseudomonas phage vB\_Pae\_PS44](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472606872&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid538398%20%5bORGN%5d%20OR%20txid1597972%20%5bORGN%5d%20OR%20txid1913570%20%5bORGN%5d%20OR%20txid1675014%20%5bORGN%5d%20OR%20txid2034347%20%5bORGN%5d%20OR%20txid2034346%20%5bORGN%5d%20OR%20txid1158680%20%5bORGN%5d%20OR%20txid1542090%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMZHT0BV015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_701904334) | [KM434184.1](https://www.ncbi.nlm.nih.gov/nucleotide/KM434184.1?report=genbank&log$=nucltop&blast_rank=6&RID=UMZHT0BV015) | 89% |
| [Pseudomonas phage vB\_PaeM\_E215](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472606872&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid538398%20%5bORGN%5d%20OR%20txid1597972%20%5bORGN%5d%20OR%20txid1913570%20%5bORGN%5d%20OR%20txid1675014%20%5bORGN%5d%20OR%20txid2034347%20%5bORGN%5d%20OR%20txid2034346%20%5bORGN%5d%20OR%20txid1158680%20%5bORGN%5d%20OR%20txid1542090%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMZHT0BV015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1241129766) | [MF490241.1](https://www.ncbi.nlm.nih.gov/nucleotide/MF490241.1?report=genbank&log$=nucltop&blast_rank=7&RID=UMZHT0BV015) | 86% |
| [Pseudomonas phage PA5](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472606872&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid538398%20%5bORGN%5d%20OR%20txid1597972%20%5bORGN%5d%20OR%20txid1913570%20%5bORGN%5d%20OR%20txid1675014%20%5bORGN%5d%20OR%20txid2034347%20%5bORGN%5d%20OR%20txid2034346%20%5bORGN%5d%20OR%20txid1158680%20%5bORGN%5d%20OR%20txid1542090%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UMZHT0BV015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1103771606) | [KY000082.1](https://www.ncbi.nlm.nih.gov/nucleotide/KY000082.1?report=genbank&log$=nucltop&blast_rank=8&RID=UMZHT0BV015) | 89% |
| [Bacteriophage P2](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472608342&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid10679%20%5bORGN%5d%20OR%20txid1567486%20%5bORGN%5d%20OR%20txid1960657%20%5bORGN%5d%20OR%20txid1647465%20%5bORGN%5d%20OR%20txid1647455%20%5bORGN%5d%20OR%20txid1647468%20%5bORGN%5d%20OR%20txid947843%20%5bORGN%5d%20OR%20txid1960658%20%5bORGN%5d%20OR%20txid929814%20%5bORGN%5d%20OR%20txid1357825%20%5bORGN%5d%20OR%20txid10680%20%5bORGN%5d%20OR%20txid2014586%20%5bORGN%5d%20OR%20txid1649239%20%5bORGN%5d%20OR%20txid1649240%20%5bORGN%5d%20OR%20txid1572744%20%5bORGN%5d%20OR%20txid1173769%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN088DDZ015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_3139086) | [AF063097.1](https://www.ncbi.nlm.nih.gov/nucleotide/AF063097.1?report=genbank&log$=nucltop&blast_rank=1&RID=UN088DDZ015) | 100% |
| [Escherichia phage pro147](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472608342&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid10679%20%5bORGN%5d%20OR%20txid1567486%20%5bORGN%5d%20OR%20txid1960657%20%5bORGN%5d%20OR%20txid1647465%20%5bORGN%5d%20OR%20txid1647455%20%5bORGN%5d%20OR%20txid1647468%20%5bORGN%5d%20OR%20txid947843%20%5bORGN%5d%20OR%20txid1960658%20%5bORGN%5d%20OR%20txid929814%20%5bORGN%5d%20OR%20txid1357825%20%5bORGN%5d%20OR%20txid10680%20%5bORGN%5d%20OR%20txid2014586%20%5bORGN%5d%20OR%20txid1649239%20%5bORGN%5d%20OR%20txid1649240%20%5bORGN%5d%20OR%20txid1572744%20%5bORGN%5d%20OR%20txid1173769%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN088DDZ015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_821562787) | [KR073660.1](https://www.ncbi.nlm.nih.gov/nucleotide/KR073660.1?report=genbank&log$=nucltop&blast_rank=2&RID=UN088DDZ015) | 73% |
| [Enterobacteria phage fiAA91-ss](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472608342&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid10679%20%5bORGN%5d%20OR%20txid1567486%20%5bORGN%5d%20OR%20txid1960657%20%5bORGN%5d%20OR%20txid1647465%20%5bORGN%5d%20OR%20txid1647455%20%5bORGN%5d%20OR%20txid1647468%20%5bORGN%5d%20OR%20txid947843%20%5bORGN%5d%20OR%20txid1960658%20%5bORGN%5d%20OR%20txid929814%20%5bORGN%5d%20OR%20txid1357825%20%5bORGN%5d%20OR%20txid10680%20%5bORGN%5d%20OR%20txid2014586%20%5bORGN%5d%20OR%20txid1649239%20%5bORGN%5d%20OR%20txid1649240%20%5bORGN%5d%20OR%20txid1572744%20%5bORGN%5d%20OR%20txid1173769%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN088DDZ015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_550163673) | [KF322032.1](https://www.ncbi.nlm.nih.gov/nucleotide/KF322032.1?report=genbank&log$=nucltop&blast_rank=3&RID=UN088DDZ015) | 72% |
| [Escherichia phage pro483](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472608342&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid10679%20%5bORGN%5d%20OR%20txid1567486%20%5bORGN%5d%20OR%20txid1960657%20%5bORGN%5d%20OR%20txid1647465%20%5bORGN%5d%20OR%20txid1647455%20%5bORGN%5d%20OR%20txid1647468%20%5bORGN%5d%20OR%20txid947843%20%5bORGN%5d%20OR%20txid1960658%20%5bORGN%5d%20OR%20txid929814%20%5bORGN%5d%20OR%20txid1357825%20%5bORGN%5d%20OR%20txid10680%20%5bORGN%5d%20OR%20txid2014586%20%5bORGN%5d%20OR%20txid1649239%20%5bORGN%5d%20OR%20txid1649240%20%5bORGN%5d%20OR%20txid1572744%20%5bORGN%5d%20OR%20txid1173769%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN088DDZ015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_821562832) | [KR073661.1](https://www.ncbi.nlm.nih.gov/nucleotide/KR073661.1?report=genbank&log$=nucltop&blast_rank=4&RID=UN088DDZ015) | 67% |
| [Enterobacteria phage P2](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472608342&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid10679%20%5bORGN%5d%20OR%20txid1567486%20%5bORGN%5d%20OR%20txid1960657%20%5bORGN%5d%20OR%20txid1647465%20%5bORGN%5d%20OR%20txid1647455%20%5bORGN%5d%20OR%20txid1647468%20%5bORGN%5d%20OR%20txid947843%20%5bORGN%5d%20OR%20txid1960658%20%5bORGN%5d%20OR%20txid929814%20%5bORGN%5d%20OR%20txid1357825%20%5bORGN%5d%20OR%20txid10680%20%5bORGN%5d%20OR%20txid2014586%20%5bORGN%5d%20OR%20txid1649239%20%5bORGN%5d%20OR%20txid1649240%20%5bORGN%5d%20OR%20txid1572744%20%5bORGN%5d%20OR%20txid1173769%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN088DDZ015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_456174097) | [KC618326.1](https://www.ncbi.nlm.nih.gov/nucleotide/KC618326.1?report=genbank&log$=nucltop&blast_rank=5&RID=UN088DDZ015) | 66% |
| [Salmonella phage FSL SP-004](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472608342&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid10679%20%5bORGN%5d%20OR%20txid1567486%20%5bORGN%5d%20OR%20txid1960657%20%5bORGN%5d%20OR%20txid1647465%20%5bORGN%5d%20OR%20txid1647455%20%5bORGN%5d%20OR%20txid1647468%20%5bORGN%5d%20OR%20txid947843%20%5bORGN%5d%20OR%20txid1960658%20%5bORGN%5d%20OR%20txid929814%20%5bORGN%5d%20OR%20txid1357825%20%5bORGN%5d%20OR%20txid10680%20%5bORGN%5d%20OR%20txid2014586%20%5bORGN%5d%20OR%20txid1649239%20%5bORGN%5d%20OR%20txid1649240%20%5bORGN%5d%20OR%20txid1572744%20%5bORGN%5d%20OR%20txid1173769%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN088DDZ015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_451938122) | [KC139521.1](https://www.ncbi.nlm.nih.gov/nucleotide/KC139521.1?report=genbank&log$=nucltop&blast_rank=6&RID=UN088DDZ015) | 64% |
| [Pseudomonas phage phiKZ](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=111609128&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid169683%20%5bORGN%5d%20OR%20txid198110%20%5bORGN%5d%20OR%20txid2006668%20%5bORGN%5d%20OR%20txid998086%20%5bORGN%5d%20OR%20txid2041345%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN0P9JAS01R&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_18996465) | [AF399011.1](https://www.ncbi.nlm.nih.gov/nucleotide/AF399011.1?report=genbank&log$=nucltop&blast_rank=1&RID=UN0P9JAS01R) | 100% |
| [Pseudomonas phage SL2](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=111609128&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid169683%20%5bORGN%5d%20OR%20txid198110%20%5bORGN%5d%20OR%20txid2006668%20%5bORGN%5d%20OR%20txid998086%20%5bORGN%5d%20OR%20txid2041345%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN0P9JAS01R&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1269186680) | [MF805716.1](https://www.ncbi.nlm.nih.gov/nucleotide/MF805716.1?report=genbank&log$=nucltop&blast_rank=3&RID=UN0P9JAS01R) | 94% |
| [Salmonella phage S16](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=111609228&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1087482%20%5bORGN%5d%20OR%20txid2041413%20%5bORGN%5d%20OR%20txid1445860%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN0XWYSW01R&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_347466216) | [HQ331142.1](https://www.ncbi.nlm.nih.gov/nucleotide/HQ331142.1?report=genbank&log$=nucltop&blast_rank=1&RID=UN0XWYSW01R) | 100% |
| [Salmonella phage STP4-a](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=111609228&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1087482%20%5bORGN%5d%20OR%20txid2041413%20%5bORGN%5d%20OR%20txid1445860%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN0XWYSW01R&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_857383094) | [KJ000058.2](https://www.ncbi.nlm.nih.gov/nucleotide/KJ000058.2?report=genbank&log$=nucltop&blast_rank=2&RID=UN0XWYSW01R) | 94% |
| [Salmonella phage Melville](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=111609228&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=100&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=100&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1087482%20%5bORGN%5d%20OR%20txid2041413%20%5bORGN%5d%20OR%20txid1445860%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN0XWYSW01R&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1269167748) | [MF957259.1](https://www.ncbi.nlm.nih.gov/nucleotide/MF957259.1?report=genbank&log$=nucltop&blast_rank=3&RID=UN0XWYSW01R) | 91% |
| [Enterobacteria phage RB69](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=111609418&ALIGNDB_CGI_HOST=blast.st-va.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=250&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=250&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid12353%20%5bORGN%5d%20OR%20txid1965367%20%5bORGN%5d%20OR%20txid1655305%20%5bORGN%5d%20OR%20txid2005047%20%5bORGN%5d%20OR%20txid1863011%20%5bORGN%5d%20OR%20txid1508678%20%5bORGN%5d%20OR%20txid1508680%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN196CK601R&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_32350303) | [AY303349.1](https://www.ncbi.nlm.nih.gov/nucleotide/AY303349.1?report=genbank&log$=nucltop&blast_rank=1&RID=UN196CK601R) | 100% |
| [Escherichia coli O157 typing phage 3](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=111609418&ALIGNDB_CGI_HOST=blast.st-va.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=250&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=250&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid12353%20%5bORGN%5d%20OR%20txid1965367%20%5bORGN%5d%20OR%20txid1655305%20%5bORGN%5d%20OR%20txid2005047%20%5bORGN%5d%20OR%20txid1863011%20%5bORGN%5d%20OR%20txid1508678%20%5bORGN%5d%20OR%20txid1508680%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN196CK601R&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_815007261) | [KP869101.1](https://www.ncbi.nlm.nih.gov/nucleotide/KP869101.1?report=genbank&log$=nucltop&blast_rank=2&RID=UN196CK601R) | 92% |
| [Escherichia phage APCEc01](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=111609418&ALIGNDB_CGI_HOST=blast.st-va.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=250&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=250&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid12353%20%5bORGN%5d%20OR%20txid1965367%20%5bORGN%5d%20OR%20txid1655305%20%5bORGN%5d%20OR%20txid2005047%20%5bORGN%5d%20OR%20txid1863011%20%5bORGN%5d%20OR%20txid1508678%20%5bORGN%5d%20OR%20txid1508680%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN196CK601R&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_857289163) | [KR422352.1](https://www.ncbi.nlm.nih.gov/nucleotide/KR422352.1?report=genbank&log$=nucltop&blast_rank=3&RID=UN196CK601R) | 92% |
| [Shigella phage SHSML-52-1](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=111609418&ALIGNDB_CGI_HOST=blast.st-va.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=250&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=250&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid12353%20%5bORGN%5d%20OR%20txid1965367%20%5bORGN%5d%20OR%20txid1655305%20%5bORGN%5d%20OR%20txid2005047%20%5bORGN%5d%20OR%20txid1863011%20%5bORGN%5d%20OR%20txid1508678%20%5bORGN%5d%20OR%20txid1508680%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN196CK601R&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1040970932) | [KX130865.1](https://www.ncbi.nlm.nih.gov/nucleotide/KX130865.1?report=genbank&log$=nucltop&blast_rank=4&RID=UN196CK601R) | 88% |
| [Escherichia phage ST0](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=111609418&ALIGNDB_CGI_HOST=blast.st-va.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=250&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=250&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid12353%20%5bORGN%5d%20OR%20txid1965367%20%5bORGN%5d%20OR%20txid1655305%20%5bORGN%5d%20OR%20txid2005047%20%5bORGN%5d%20OR%20txid1863011%20%5bORGN%5d%20OR%20txid1508678%20%5bORGN%5d%20OR%20txid1508680%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN196CK601R&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1209837976) | [MF044457.1](https://www.ncbi.nlm.nih.gov/nucleotide/MF044457.1?report=genbank&log$=nucltop&blast_rank=5&RID=UN196CK601R) | 91% |
| [Enterobacteria phage RB49](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472611392&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=250&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=250&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid50948%20%5bORGN%5d%20OR%20txid1981499%20%5bORGN%5d%20OR%20txid1222338%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN1FN8BB015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_33347893) | [AY343333.1](https://www.ncbi.nlm.nih.gov/nucleotide/AY343333.1?report=genbank&log$=nucltop&blast_rank=1&RID=UN1FN8BB015) | 100% |
| [Enterobacteria phage GEC-3S complete genome](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472611392&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=250&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=250&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid50948%20%5bORGN%5d%20OR%20txid1981499%20%5bORGN%5d%20OR%20txid1222338%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN1FN8BB015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_672893174) | [HE978309.1](https://www.ncbi.nlm.nih.gov/nucleotide/HE978309.1?report=genbank&log$=nucltop&blast_rank=2&RID=UN1FN8BB015) | 95% |
| [Escherichia phage ECD7](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472611392&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=250&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=250&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid50948%20%5bORGN%5d%20OR%20txid1981499%20%5bORGN%5d%20OR%20txid1222338%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN1FN8BB015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1214640152) | [KY683735.1](https://www.ncbi.nlm.nih.gov/nucleotide/KY683735.1?report=genbank&log$=nucltop&blast_rank=3&RID=UN1FN8BB015) | 95% |
| [Citrobacter phage Moon](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472611812&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=250&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=250&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1540095%20%5bORGN%5d%20OR%20txid2267236%20%5bORGN%5d%20OR%20txid2267237%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN1N3X71015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_723006234) | [KM236240.1](https://www.ncbi.nlm.nih.gov/nucleotide/KM236240.1?report=genbank&log$=nucltop&blast_rank=1&RID=UN1N3X71015) | 100% |
| [Citrobacter phage CF1 ERZ-2017](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472611812&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=250&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=250&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1540095%20%5bORGN%5d%20OR%20txid2267236%20%5bORGN%5d%20OR%20txid2267237%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN1N3X71015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1308011082) | [MG250484.1](https://www.ncbi.nlm.nih.gov/nucleotide/MG250484.1?report=genbank&log$=nucltop&blast_rank=2&RID=UN1N3X71015) | 86% |
| [Enterobacteria phage JS98](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472612722&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=250&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=250&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid293178%20%5bORGN%5d%20OR%20txid1837930%20%5bORGN%5d%20OR%20txid1837931%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN20UN95014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_160213687) | [EF469154.1](https://www.ncbi.nlm.nih.gov/nucleotide/EF469154.1?report=genbank&log$=nucltop&blast_rank=1&RID=UN20UN95014) | 100% |
| [Escherichia phage WG01](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472612722&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=250&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=250&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid293178%20%5bORGN%5d%20OR%20txid1837930%20%5bORGN%5d%20OR%20txid1837931%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN20UN95014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1026924971) | [KU878968.1](https://www.ncbi.nlm.nih.gov/nucleotide/KU878968.1?report=genbank&log$=nucltop&blast_rank=2&RID=UN20UN95014) | 86% |
| [Escherichia phage MX01](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472612722&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=250&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=250&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid293178%20%5bORGN%5d%20OR%20txid1837930%20%5bORGN%5d%20OR%20txid1837931%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN20UN95014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1026925245) | [KU878969.1](https://www.ncbi.nlm.nih.gov/nucleotide/KU878969.1?report=genbank&log$=nucltop&blast_rank=3&RID=UN20UN95014) | 86% |
| [Klebsiella phage JD18](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472613152&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=250&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=250&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1698360%20%5bORGN%5d%20OR%20txid1852625%20%5bORGN%5d%20OR%20txid1913572%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN259CH7015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_915982012) | [KT239446.1](https://www.ncbi.nlm.nih.gov/nucleotide/KT239446.1?report=genbank&log$=nucltop&blast_rank=1&RID=UN259CH7015) | 100% |
| [Klebsiella phage KPV15](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472613152&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=250&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=250&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1698360%20%5bORGN%5d%20OR%20txid1852625%20%5bORGN%5d%20OR%20txid1913572%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN259CH7015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1103770717) | [KY000080.1](https://www.ncbi.nlm.nih.gov/nucleotide/KY000080.1?report=genbank&log$=nucltop&blast_rank=2&RID=UN259CH7015) | 93% |
| [Klebsiella phage vB\_KpnM\_KpV477](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472613152&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=250&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=250&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid1698360%20%5bORGN%5d%20OR%20txid1852625%20%5bORGN%5d%20OR%20txid1913572%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN259CH7015&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=4&HSP_SORT=0&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1043841711) | [KX258185.1](https://www.ncbi.nlm.nih.gov/nucleotide/KX258185.1?report=genbank&log$=nucltop&blast_rank=3&RID=UN259CH7015) | 88% |
| [Aeromonas salmonicida bacteriophage 25](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472613672&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=250&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=250&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid233894%20%5bORGN%5d%20OR%20txid2026082%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN2BSDX3014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=2&HSP_SORT=1&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_104345659) | [DQ529280.1](https://www.ncbi.nlm.nih.gov/nucleotide/DQ529280.1?report=genbank&log$=nucltop&blast_rank=1&RID=UN2BSDX3014) | 100% |
| [Aeromonas phage AS-gz](https://blast.ncbi.nlm.nih.gov/Blast.cgi?CMD=Get&ALIGNDB_BATCH_ID=472613672&ALIGNDB_CGI_HOST=blast.be-md.ncbi.nlm.nih.gov&ALIGNDB_CGI_PATH=/ALIGNDB/alndb_asn.cgi&ALIGNDB_MASTER_ALIAS=SD_ALIGNDB_MASTER&ALIGNDB_MAX_ROWS=250&ALIGNDB_ORDER_CLAUSE=seq_evalue%20asc,aln_id%20asc&ALIGNDB_WHERE_CLAUSE=seq_evalue%20is%20not%20null&ALIGNMENTS=100&ALIGNMENT_VIEW=Pairwise&DATABASE_SORT=0&DESCRIPTIONS=250&DYNAMIC_FORMAT=on&ENTREZ_QUERY=txid233894%20%5bORGN%5d%20OR%20txid2026082%20%5bORGN%5d&FIRST_QUERY_NUM=0&FORMAT_OBJECT=Alignment&FORMAT_PAGE_TARGET=&FORMAT_TYPE=HTML&GET_SEQUENCE=yes&I_THRESH=&LINE_LENGTH=60&MASK_CHAR=2&MASK_COLOR=1&NUM_OVERVIEW=100&PAGE=Nucleotides&QUERY_INDEX=0&QUERY_NUMBER=0&RESULTS_PAGE_TARGET=&RID=UN2BSDX3014&SHOW_LINKOUT=yes&SHOW_OVERVIEW=yes&STEP_NUMBER=&USE_ALIGNDB=true&WORD_SIZE=11&OLD_VIEW=false&DISPLAY_SORT=2&HSP_SORT=1&CONFIG_DESCR=2,3,4,5,6,7,8#alnHdr_1231165049) | [MF479730.1](https://www.ncbi.nlm.nih.gov/nucleotide/MF479730.1?report=genbank&log$=nucltop&blast_rank=2&RID=UN2BSDX3014) | 88% |
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