

## Supported Format Types

Format	Extensions	Data Types	Common Sources
BED	*.bed	Annotations	UCSC
Common Assembly Format	*.caf	Contigs	Sequencher
Clone Manager	*.cm5	Nucleotide sequences	Clone Manager
Clustal	*.aln	Alignments	ClustalX
CS FASTA	*.csfasta	Color space	FASTA ABI SOLiD
DNASStar	*.seq, *.pro	Nucleotide & protein sequences	DNASStar
DNA Strider	*.str	Sequences	DNA Strider
Embl/UniProt	*.embl, *.swp	Sequences	Embl, UniProt
Endnote (8.0) XML	*.xml	Journal article references	Endnote, Journal article websites
Excel spreadsheet	*.xlsx,*.xls	Spreadsheet files	Microsoft Excel
FASTA	*.fasta, *.fas, etc.	Sequences, alignments	PAUP*, ClustalX, BLAST, FASTA
FASTQ	*.fastq, *.fasq	Sequences with quality	Solexa/Illumina
GCG	*.seq	Sequences	GCG,
GenBank	*.gb, *.xml	Nucleotide & protein sequences	GenBank
Geneious	*.xml, *.geneious	Preferences, databases	Geneious
GFF	*.gff	Annotations	Sanger Artemis
MEGA	*.meg	Alignments	MEGA
Molecular structure	*.pdb, *.mol, *.xyz, *.cml, *.gpr, *.hin, *.nwo	3D molecular structures	3D structure databases and programs
Newick	*.tre, *.tree, etc.	Phylogenetic trees	PHYLIP, Tree-Puzzle, PAUP*, ClustalX
Nexus	*.nxs, *.nex	Trees, Alignments	PAUP*, Mesquite, MrBayes & MacClade
PDB	*.pdb	3D Protein structures	SP3, SP2, SPARKS, Protein Data Bank
PDF	*.pdf	Documents, presentations	Adobe Writer, LATEX, Miktex
Phrap ACE	*.ace	Contig assemblies	Phrap/Consed
PileUp	*.msf	Alignments pileup	(gcg)
PIR/NBRF	*.pir	Sequences, alignments	NBRF PIR
Qual	*.qual	Quality file	Associated with a FASTA file
Raw sequence text	*.seq	Sequences	Any file that contains only a sequence,
Rich Sequence Format	*.rsf	Sequences, alignments	GCGs NetFetch
Comma/Tab Separated Values	*.csv, *.tsv	Spreadsheet files	Microsoft Excel
SAM/BAM	*.sam, *.bam	Contigs	SAMtools
Sequence Chromatograms	*.ab1, *.scf	Raw sequencing trace & sequence	Sequencing machines
SnapGene	*.dna, *.prot	Sequences, annotations, metadata	SnapGene
Variant Call Format	*.vcf	Variant calls/SNPs	Variant callers and databases
Vector NTI sequence	*.gb, *.gp	Nucleotide & protein sequences	Vector NTI
Vector NTI/AlignX alignment	*.apr	Alignments	Vector NTI, AlignX
Vector NTI Archive	*.ma4, *.pa4, *.oa4, *.ea4, *.ca6	Nucleotide & protein sequences, enzyme sets and publications	Vector NTI
Vector NTI/ContigExpress	*.cep	Nucleotide sequence assemblies	Vector NTI
Vector NTI database	VNTI Database	Nucleotide & protein sequences, enzyme sets and publications	Vector NTI