

Specific File Formats

File format	File extension	Read	Write	Comment
ABIF	*.ab1, *.abi, *.abif	+	-	A chromatogram file format. See also: Chromatogram Viewer
ACE	*.ace	+	-	A file format for storing data about genomic contigs. See also: Alignment Editor
APR	*.apr	+	-	Vector NTI / AlignX Alignment format. See also: Alignment Editor
Bairoch	*.bairoch	+	+	A file format to store enzymes. See also: Restriction Analysis
BAM	*.bam	+	-	Binary compressed SAM format. See also: Assembly Browser
ClustalW	*.aln	+	+	A multiple sequence alignments (MSA) file format. See also: Alignment Editor
EBWT	*.ebwt	+	+	A Bowtie prebuilt index file. See also: Bowtie
EMBL	*.em, *.emb, *.embl	+	-	A rich format for storing sequences and their annotations. See also: Sequence View
FASTA	*.fa, *.mpfa, *.fna, *.fsa, *.fas, *.fasta, *.sef *.seqs	+	+	One of the oldest and simplest sequence file format. See also: Sequence View
FASTQ	*.fastq	+	+	A file format used to store a sequence and its corresponding quality scores. It was originally developed at the “Wellcome Trust Sanger Institute”. See also: Sequence View
Genbank	*.gb, *.gbk, *.gen, *.genbank	+	+	A rich format for storing sequences and associated annotations. See also: Sequence View
GFF	*.gff	+	+	The Gene Finding Format (GFF) format is used to store features and annotations. See also: Sequence View
HMM	*.hmm	+	+	A file format to store HMM profiles. See also: HMM2 , HMM3
MMDB	*.prt	+	-	ASN.1 format used by the Molecular Modeling Database (MMDB). See also: 3D Structure Viewer
MSF	*.msf	+	+	A multiple sequence alignments file format. See also: Alignment Editor
Mega	*.meg, *.meg.gz	+		A multiple sequence alignments file format. See also: Alignment Editor
Newick	*.nwk, *.newick	+	+	A tree file format. See also: Building Phylogenetic Tree , Phylogenetic Tree Viewer
Nexus	*.nex *.nxs	+	+	A multiple alignment and phylogenetic trees file format. See also: Alignment Editor , Building Phylogenetic Tree , Phylogenetic Tree Viewer
PDB	*.pdb	+	-	The Protein Data Bank (PDB) format allows to view the 3D structure of the sequence. See also: 3D Structure Viewer
pDRAW32	*.pdw	+	-	A sequence file format used by pDRAW32 software. See also: Sequence View

PFM	*.pfm	+	+	A file format for a position frequency matrix. See also: Weight Matrix
Phylip	*.phy	+	+	A multiple alignment file format. See also: Alignment Editor
PWM	*.pwm	+	+	A file format for a position weight matrix. See also: Weight Matrix
Raw	*.seq	+	+	A raw sequence format. See also: Sequence View
SAM	*.sam	+	+	The Sequence Alignment/Map (SAM) format is a generic alignment format for storing read alignments against reference sequences. See also: Assembly Browser , Bowtie , UGENE Genome Aligner
SCF	*.scf	+	-	It is a Standard Chromatogram Format. See also: Chromatogram Viewer
SITECON	*.sitecon	+	-	A file format to store TFBS profile. See also: SITECON
Stockholm	*.sto	+	+	A multiple sequence alignments file format. See also: Alignment Editor
Swiss-Prot	*.txt *.sw	+	-	An annotated protein sequence in format of the UniProtKB/Swiss-Prot database. See also: Sequence View
Vector NTI Sequence	*.gb *.gp	+	+	A rich format for storing sequences and associated annotations, produced by Vector NTI software . See also: Sequence View
VCF	*.vcf	+	+	The VCF specifies the format of a text file used for storing gene sequence variations. See also: Assembly Browser