

DNA Data Bank of Japan

DNA Database

Release 12, January 1993, including 97,683 entries, 120,815,244 bases.

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The present release contains the newest data prepared by DDBJ, GenBank/NCBI, and the EMBL Data Library as of January, 1993. Thanks to international collaboration between the three data banks, the International Nucleotide Sequence Database was organized, resulting in a unified database published in this release.

This release was prepared by processing the data on the relational data base management system (Sybase). Because the release contains unified data, all the entries have been annotated with common feature keys.

All the entries designated by the accession numbers with a "D" have been collected and processed by DDBJ, and the rest have been prepared by GenBank/NCBI and the EMBL Data Library. For an unavoidable problem existing at present, some entries in the three databases may overlap. We apologize for this, and are trying to resolve this problem by working together with the other data banks.

Note in particular that the present release includes duplicated entries over the data files. This was originally caused by the fact that GenBank/NCBI no longer has a separate file for organella, and data belonging to this category were allocated to the other files according to the "host" species. For example, a human mitochondrial DNA sequence now belongs to the primate file in the GenBank/NCBI database. We, however, still maintain the organella file in this release. To revive the organella file in the GenBank/NCBI database and incorporate it in this release was nevertheless quite cumbersome and time-consuming, and did not allow us to get complete results. Namely, the pertinent files other than the organella file still include the data from organella. Thus please be careful when you want to get some results only for nuclear sequences.

From this release we also included EST(Expressed Sequence Tag)/TSF(Transcribed Sequence Fragment) data. Though we created a separate file for this category, we could not completely separate it from the other files, and could not but let the EST/TSF file fall in the same situation as in the organella file. That is, there are duplicated entries similar to those of organella data. Thus again be careful.

The present release does not include amino acid sequence data, because the genetic code system is known to be no longer uniform among species and organella, and we are not yet prepared for this.

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Acknowledgement: We are grateful to NCBI, LANL, and the EMBL Data Library for permitting us to include their data in the present release.

This release covers 14 categories of organisms and others as follows:

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-----  
ddbjbct.*** Category for bacteria  
ddbjest.*** Category for EST (expressed sequence tag)  
ddbjinv.*** Category for invertebrates  
ddbjmam.*** Category for mammals  
ddbjorg.*** Category for organelle  
ddbjphg.*** Category for phages  
ddbjpln.*** Category for plants  
ddbjpri.*** Category for primates  
ddbjrna.*** Category for RNAs  
ddbjrod.*** Category for rodents  
ddbjsyn.*** Category for synthetic DNAs  
ddbjuna.*** Category for unannotated sequences  
ddbjvrl.*** Category for viruses  
ddbjvrt.*** Category for vertebrates other than mammals, primates, and rodents  
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```

Each category then has the following nine files. Note that all the files except for ddbj***.seq and ddbj***.sdr may include more than 80 characters in one line. If this is the case, the line is folded at every 81th column in the file on the distribution tape with the fixed record size of 80 bytes.

```
-----  
ddbj***.seq List of an entry in DDBJ format, see Table 1.  
ddbj***.acc List of the accession numbers, see Table 2 .  
ddbj***.aut List of the authors, see Table 3.  
ddbj***.dir List of the short directory in DDBJ style, see Table 4.  
ddbj***.idx List of indices, see Table 5.  
ddbj***.jou List of the journals, see Table 6.  
ddbj***.key List of the key words, see Table 7.  
ddbj***.org List of the species names, see Table 8.  
ddbj***.sdr List of the short directory in GenBank style, see Table 9.  
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```

Table 1. Part of the contents in the file 'ddbjbct.seq'.
This shows all pieces of information on one entry in DDBJ format.

```
-----  
LOCUS          ABCAARAA          1624 bp ds-DNA          BCT          15-SEP-1990  
DEFINITION    A.aceti acetic acid resistance protein (aarA) gene, complete cds.  
ACCESSION     M34830  
KEYWORDS      acetic acid resistance protein.  
SOURCE        A.aceti (strain 10-8) DNA, clone pAR1611.  
  ORGANISM    Acetobacter aceti  
              Prokaryota; Bacteria; Gracilicutes; Scotobacteria;  
              Aerobic rods and cocci; Azotobacteraceae.  
REFERENCE     1 (bases 1 to 1624)  
  AUTHORS     Fukaya,M., Takemura,H., Okumura,H., Kawamura,Y., Horinouchi,S. and  
              Beppu,T.  
  TITLE       Cloning of genes responsible for acetic acid resistance in  
              acetobacter aceti  
  JOURNAL     J. Bacteriol. 172, 2096-2104 (1990)  
  STANDARD    simple staff_entry  
FEATURES      Location/Qualifiers  
  RBS         171..176  
              /note="ribosome binding site (put.)"  
  CDS         185..1495  
              /note="acetic acid resistance protein (aarA)"  
              /codon_start=1  
  misc_signal 1508..1545  
-----
```

/note="transcription termination signal"

BASE COUNT	400 a	446 c	404 g	374 t
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ORIGIN

```

1 gcattgcattt gcacacattc gcgogaccct aagcccaaaa aactgtggtt ttccaagcat
61 actcctttcc gataacgctt cgtttatcgc tggcaacctt ccggtttcct tttgaatgag
121 tgacaaagtg tgacgagcag gccgcagcag cgaccgtggc ccaacctatg agaaggaac
181 actaatgagc gcgtcgcaga aagaaggtaa gctatctacc gctaccattt cggttgatgg
241 aaaatccgcc gaaatgcctg tgctttcagg cactctggga ccggatgta tgcacatccg
301 caaacttccg gcgcaactgg gcgttttcac gtttgacca ggttacgggg aaacagcggc
361 ctgcaacagc aaaatcacct ttattgatgg tgataaaggc gttctgctgc accgtggta
421 ccctattgcg cagctggacg aaaatgcttc ctacgaagaa gttatttatc tgcttttgaa
481 tggcgaactg cccaacaagg tgcagtacga caccttcacc aacaccctta caaacatac
541 gctgctgcac gagcagatcc gtaacttctt taacggcttc cggcgtgatg cccaccaat
601 ggccattctg tgtggtacgg ttggggcttt gtctgccttc taccagatg ccaacgatat
661 tgccattccc gccaatcggg atctggccgc catgcccgtg attgcaaaa tccaacctat
721 tgcggcatgg gcttacaat acacgcaggg tgaagccttt atctaccgc ggaatgatct
781 gaactacgca gaaaacttcc tgtccatgat gttcgcgcgc atgtccgaac cttacaaggt
841 caaccctggt ctggcccgcg ccatgaaccg gattctgatt ctgcatgccg atcatgagca
901 gaatgcctct acctccaccg tacgtctggc tggttctaca ggggccaatc cgtttgctg
961 tattgctgcy ggcattgccg ctctgtgggg acctgcacat ggtggcgcaa acgaagctgt
1021 gctgaaaatg ctggcccgtg ttggcaagaa agaaaatatt cctgccttta tcgcacaggt
1081 gaaggacaag aacagcggcg taaagctgat gggctttggc caccgcgttt acaagaactt
1141 cgaccacgt gcgaagatca tgcagcagac ctgccacgaa gtgctgacag aacttggcat
1201 taaggatgat ccgctgctgg atctggcggg ttgagctggaa aagattgctc tgagcgtatga
1261 ttacttcgtg cagcgcgaaac tttaccgaa tgtggatttc tactctggca tcattctcaa
1321 ggccatgggc atccccacca gtatgtttac tgtgtgttt ccctgagccc gcaccaccgg
1381 ctgggtgagc cagtgggaagg aaatgattga agaaccgggc cagcgtatca gccgccctcg
1441 ccagctttat attggcgcac cgcagcgtga ctatgtgccg cttgccaac gctaaaacag
1501 actaacccaa aaagccgact tcccgtgaagg aaagtcggct tttgtttgc acgctgtttc
1561 caaaaaaata gggcggcaga gcgaataaac gctacctagc cttcaggcat aaaaaaacgc
1621 atgc

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//

Table 2. Part of the contents in the file 'ddbjbct.acc'.
The first column refers to the secondary accession number, second column to the locus name, and third to the primary accession number. The primary number may be the same as the secondary number. They are arranged in the ascending order of the secondary accession numbers.

D00001	-> ECOPBPAA	X04516
D00002	-> ECOPYRH	X04469
D00006	-> PNS981TET	D00006
D00020	-> COLE2LYS	D00020
D00021	-> COLE31YS	D00021
D00038	-> BRLAM330	D00038
D00066	-> BAC139AC	D00066
D00067	-> ECONANA	M20207
D00069	-> ECOUVRD2	D00069
D00087	-> BACXYNAA	D00087

Table 3. Part of the contents in the file 'ddbjbct.aut'.
For each author name given on the left to the arrow, the corresponding locus name and primary accession number are respectively listed on the right. They are arranged in the alphabetical order of the author names.

Aan, F.	-> STYCRR	X05210
Aan, F.	-> STYENZI	M76176
Aaronson, W.	-> ECOKPSD	M64977
Aaronson, W.	-> ECONEUA	J05023
Abad-Lapuebla, M.A.	-> VIBTDHI	D90238
Abdel-Mawgood, A.L.	-> CYAPSBHA	X16394
Abdel-Meguid, S.S.	-> TRNGDRECM	J01843
Abdelal, A.	-> STYCARA	M36540
Abdelal, A.	-> STYCARAB	X13200

 Table 4. Part of the short directory in DDBJ style in the file 'ddbjbct.dir'. For each locus name given in the first column, the corresponding primary accession number, molecular type, number of nucleotide pairs, and description for the locus are respectively listed. They are arranged in the alphabetical order of the locus names.

ABCAARAA	M34830	ds-DNA	1624	A.aceti acetic acid resistance protein (aarA) gene, complete cds.
ABCADHCC	D00635	ds-DNA	4230	A. polyoxogenes alcohol dehydrogenase (EC 1.1.99.8) and cytochrome c genes.
ABCALDH	D00521	ds-DNA	2683	A.polyoxogenes membrane-bound aldehyde dehydrogenase gene, complete cds and flanks.
ABCBCSAA	M37202	ds-DNA	9540	A.xylinum bcs B, bcs C and bcs D genes, complete cds and bcs A gene, partial cds.
ABCCELA	M76548	ds-DNA	1165	Acetobacter xylinum UDP pyrophosphorylase (cela) gene, complete cds.
ABCCELSYN	X54676	ds-DNA	5363	A. xylinum gene for cellulose biosynthesis
ABCIS1380	D10043	ds-DNA	1665	A.pasteurianus insertion sequence IS1380.
ACAADH1	D90004	ds-DNA	2467	Acetobacter aceti(K6033) alcohol dehydrogenase subunit gene(adh1).
ACCAAC2	M62833	ds-DNA	1123	Acinetobacter baumannii aminoglycoside acetyltransferase (aac2) gene, complete cds.
ACCACEAA	M62822	ds-DNA	1874	A.baumannii chloramphenicol acetyltransferase (cat) gene, complete cds.

Table 5. Part of the contents in the file 'ddbjbct.idx'. The first column refers to the locus name, second column to the starting site of the locus in byte, and third to its ending site in byte. They are arranged in the alphabetical order of the locus names.

%*****		
#ABCAARAA	0	3211
#ABCADHCC	3212	10608
#ABCALDH	10609	15864
#ABCBCSAA	15865	29583
#ABCCELA	29584	32289
#ABCCELSYN	32290	40960
#ABCIS1380	40961	44711
#ACAADH1	44712	49357
#ACCAAC2	49358	52395

Table 6. Part of the contents in the file 'ddbjbct.jou'. This gives information on the journal in which sequence data were published.

-
- (in) Chaloupka, J. and Krumphanzl, V. (Eds.); Extracellular Enzymes of Microorganisms: 129-137, Plenum Press, New York (1987) -> BACAMYABS M57457
 - (in) Ganesan, A.T., Chang, S. and Hoch, J.A. (Eds.); Molecular Cloning and Gene Regulation in Bacilli: 3-10, Academic Press, New York (1982) -> BACRG16S M55011
 - (in) Ganesan, A.T., Chang, S. and Hoch, J.A. (Eds.); Molecular Cloning and Gene Regulation in Bacilli: 3-10, Academic Press, New York (1982) -> BACRG16SA M55006
 - (in) Ganesan, A.T., Chang, S. and Hoch, J.A. (Eds.); Molecular Cloning and Gene Regulation in Bacilli: 3-10, Academic Press, New York (1982) -> BACRG16SB M55008
 - (in) Hoch, J.A. and Setlow, P. (Eds.); Molecular Biology of Microbial Differentiation: 85-94, American Society for Microbiology, Washington, DC (1985) -> BACSP0II M57606
 - (in) Holmgren, A. (Ed.); Thioredoxin and Glutaredoxin Systems: Structure and Function: 11-19, Unknown name, Unknown city (1986) -> ECOTRXA1 M54881
 - (in) Kjeldgaard, N.C. and Maaloe, O. (Eds.); Control of ribosome synthesis: 138-

143, Academic Press, New York (1976) -> ECOLAC J01636
(in) Losick, R. and Chamberlin, M. (Eds.); RNA polymerase: 455-472, Cold Spring Harbor Laboratory, Cold Spring Harbor, NY (1976) -> ECOTGY1 K01197
(in) Sikes, C.S. and Wheeler, A.P. (Eds.); Surface reactive peptides and polymers. Discovery and commercialization.: 186-200, American Chemical Society, Washington, D.C. (1991) -> ECOTGP J01714
(in) Sund, H. and Blauer, G. (Eds.); Protein-Ligand Interactions: 193-207, Walter de Gruyter, New York (1975) -> ECOLAC J01636
(in) Wu, R. and Grossman, L. (Eds.); Methods in Enzymology, Recombinant DNA, part E: In press, Academic Press, New York, N.Y. (1986) -> PLMCG M11320
Acta Microbiol. Pol. 35, 175-190 (1986) -> ECOTGG1 M54893
Actinomycetologica 5, 14-17 (1991) -> STMARGG D00799
Adv. Biophys. 21, 115-133 (1986) -> R10REP M26840
Adv. Biophys. 21, 175-192 (1986) -> ECONUSAA M26839
Adv. Enzyme Regul. 21, 225-237 (1983) -> ECOPURFA M26893
Adv. Exp. Med. Biol. 195, 239-246 (1986) -> ECOAPT M14040
Agric. Biol. Chem. 50, 2155-2158 (1986) -> ECONANA M20207
Agric. Biol. Chem. 50, 2771-2778 (1986) -> BRIAM330 D00038
Agric. Biol. Chem. 51, 2019-2022 (1987) -> BACCGT D00129
Agric. Biol. Chem. 51, 2641-2648 (1987) -> STRSAGP D00219
Agric. Biol. Chem. 51, 2807-2809 (1987) -> BACPGECR M35503
Agric. Biol. Chem. 51, 3133-3135 (1987) -> BACXYLAP D00312
Agric. Biol. Chem. 51, 455-463 (1987) -> BACHDCRY D00117
Agric. Biol. Chem. 51, 953-955 (1987) -> BACXYNAA D00087
Agric. Biol. Chem. 52, 1565-1573 (1988) -> BACIP135 D00348
Agric. Biol. Chem. 52, 1785-1789 (1988) -> BACTMR D00343
Agric. Biol. Chem. 52, 2243-2246 (1988) -> PSEGI D00342
Agric. Biol. Chem. 52, 399-406 (1988) -> BACAMYEB M35517
Agric. Biol. Chem. 52, 479-487 (1988) -> ECAPALI D00217

Table 7. Part of the contents in the file 'ddbjbct.key'.
For the locus and accession number respectively given on the right to the arrow, the corresponding key words are listed on the left.

A.aceti acetic acid resistance protein (aarA) gene, complete cds. ->
ABCAARAA M34830
acetic acid resistance protein. -> ABCAARAA M34830
Cloning of genes responsible for acetic acid resistance in acetobacter aceti -
> ABCAARAA M34830
A. polyoxogenes alcohol dehydrogenase (EC 1.1.99.8) and cytochrome c genes. -
> ABCADHCC D00635
alcohol dehydrogenase; cytochrome c. -> ABCADHCC D00635
Cloning and sequencing of the gene cluster encoding two subunits of membrane-bound alcohol dehydrogenase from Acetobacter polyoxogenes -> ABCADHCC D00635
These data kindly submitted in computer readable form by: Toshimi Tamaki Nakano Central Biochemical Institute 2-6 Nakamura-cho Handa-shi, Aichi-ken 475 Japan Phone: 0569-21-3331 Fax: 0569-23-8486 -> ABCADHCC D00635
A.polyoxogenes membrane-bound aldehyde dehydrogenase gene, complete cds and flanks. -> ABCALDH D00521
aldehyde dehydrogenase gene; ethanol oxidation; membrane-bound enzyme. -> ABCALDH D00521
Nucleotide sequence of the membrane-bound aldehyde dehydrogenase gene from Acetobacter polyoxogenes -> ABCALDH D00521

Table 8. Part of the contents in the file 'ddbjbct.org'.
For the locus and accession number respectively given on the right to the arrow, the corresponding taxonomic names are listed on the left. They are arranged in the alphabetical order of the species names.

A. nidulans 6301 DNA. Anacystis nidulans Prokaryota; Bacteria; Gracilicutes; Oxyphotobacteria; Cyanobacteria. -> ANIRUBPS X00019
A. nidulans DNA, clone pAN4. Anacystis nidulans Prokaryota; Bacteria; Gracilicutes; Oxyphotobacteria; Cyanobacteria. -> ANIRGGX X00343

A. nidulans DNA. Anacystis nidulans Prokaryota; Bacteria; Gracilicutes; Oxyphotobacteria; Cyanobacteria. -> ANIRGG X00512

A. polyoxogenes genomic DNA. Acetobacter polyoxogenes Prokaryota; Bacteria; Gracilicutes; Scotobacteria; Aerobic rods and cocci; Azotobacteraceae. -> ABCADHCC D00635

A. quadruplicatum (strain PR-6) DNA, clone pAQPR1. Agmenellum quadruplicatum Prokaryota; Bacteria; Gracilicutes; Oxyphotobacteria; Cyanobacteria. -> AQUPCAB K02660

A. quadruplicatum (strain PR6) DNA. Agmenellum quadruplicatum Prokaryota; Bacteria; Gracilicutes; Oxyphotobacteria; Cyanobacteria. -> AQUPCAB K02659

A. vinelandii DNA. Azotobacter vinelandii Prokaryota; Bacteria; Gracilicutes; Scotobacteria; Aerobic rods and cocci; Azotobacteraceae. -> AVINIFUSV M17349

A. aceti (strain 10-8) DNA, clone pAR1611. Acetobacter aceti Prokaryota; Bacteria; Gracilicutes; Scotobacteria; Aerobic rods and cocci; Azotobacteraceae. -> ABCAARAA M34830

A. actinomycetemcomitans (strain JP2) DNA, clone lambda-OP8. Actinobacillus actinomycetemcomitans Prokaryota; Bacteria; Gracilicutes; Scotobacteria; Facultatively anaerobic rods; Pasteurellaceae. -> ACNLKTXN M27399

A. anitratum DNA, clone pLJD1. Acinetobacter anitratum Prokaryota; Bacteria; Gracilicutes; Scotobacteria; Neisseriaceae. -> ACCCITSYN M33037

Table 9. Part of the short directory file in GenBank style in the file 'ddbjbct.sdr'.

The short directory file contains brief descriptions of all of the sequence entries contained in the GenBank style.

ABCAARAA	A. aceti acetic acid resistance protein (aarA) gene, complete	1624bp
ABCADHCC	A. polyoxogenes alcohol dehydrogenase (EC 1.1.99.8) and	4230bp
ABCALDH	A. polyoxogenes membrane-bound aldehyde dehydrogenase gene,	2683bp
ABCBCSABCD	A. xylinum bcs A, B, C and D genes, complete cds's.	9540bp
ABCCELA	Acetobacter xylinum UDP pyrophosphorylase (cela) gene,	1165bp
ABCCELSYN	A. xylinum gene for cellulose biosynthesis	5363bp
ABCIS1380	A. pasteurianus insertion sequence IS1380.	1665bp
ACAADH1	Acetobacter aceti(K6033) alcohol dehydrogenase subunit	2467bp
ACCAAC2	Acinetobacter baumannii aminoglycoside acetyltransferase	1123bp
ACCACEAA	A. baumannii chloramphenicol acetyltransferase (cat) gene,	1874bp
ACCAPHA6	Acinetobacter baumannii aphA-6 gene.	1170bp
ACCBENABCA	A. calcoaceticus BenA, BenB, BenC, BenD, and BenE proteins	15922bp
ACCCAT	Acinetobacter calcoaceticus cat operon.	15922bp
ACCCATAM	A. calcoaceticus cata and catM genes, encoding catechol 1,	5537bp
ACCCHMO	Acinetobacter sp. cyclohexanone monooxygenase gene, complete	2128bp
ACCCITSYN	A. anitratum citrate synthase gene, complete cds.	1895bp

In addition to the 9 tables the five following index files are included in this release. These files were prepared irrespective of the 14 categories of taxonomic divisions.

Accession number index file
 Keyword phrase index file
 Author name index file
 Journal citation index file
 Gene name index file

A brief description is given for each file in the following.

Table 10. Part of the accession number index file in the 'ddbjacc.idx'. The following excerpt from the accession number index file illustrates the format of the index. Note that as mentioned above there are such a case where an accession number for a taxonomic category is the same as that for EST or ORG; for example, PRI D12345 and EST D12345 under the same accession number D12345.

M33790	SHFINVEA	BCT M33790
M33791	BACORF2	BCT M33791

M33792	FTRCPRBCLC	ORG	X55829	FTRCPRBCLC	PLN	X55829
M33793	FTRCPPRBCL	ORG	X55830	FTRCPPRBCL	PLN	X55830
M33794	ATPCPARRBC	ORG	X55831	ATPCPARRBC	PLN	X55831
	ATPCPRBCLB	PLN	X15925	ATPCPRBCLB	ORG	X15925
M33796	NRACPNTBRC	ORG	X55827	NRACPNTBRC	PLN	X55827
M33797	NRACPRBCL	ORG	X55828	NRACPRBCL	PLN	X55828
M33798	ACCPACGH	BCT	M33798			
M33799	PSETRPEGDC	BCT	M33799			

Table 11. Part of the keyword phrase index file in the 'ddbjkey.idx'.
Keyword phrases consist of names for gene products and other characteristics of sequence entries.

A CHANNEL						
	DROCHA	INV	M17155			
A COMPONENT						
	SQLCVEA	VRL	M38183			
A LOCUS						
	GORGOGOA3	PRI	X54375	GORGOGOA4	PRI	X54376
A LOCUS ALLELE						
	GORA0101	PRI	X60258	GORA0201	PRI	X60259
	GORA0501	PRI	X60256	GORA0401	PRI	X60257
A MULTI-GENE FAMILY						
	RICGLUTE	PLN	D00584			
A PROTEIN						
	MS2AAR	PHG	M25187	ST1APCS	PHG	M25396
A SEQUENCE						
	HS5TOA30	VRL	D00148	HS5TOA31	VRL	D00147

Table 12. Part of the author name index file in 'ddbjaut.idx'.
The author name index file lists all of the author names that appear in the citations.

ABE, A.						
	HUMMHDRBWE	PRI	M27509	HUMMHDRBWF	PRI	M27510
	YSCGAL11A	PLN	M22481	HUMMHDRBWG	PRI	M27511
ABE, C.						
	S85445	BCT	S85445			
ABE, E.						
	M23442	UNA	M23442			
ABE, H.						
	CHKADF	VRT	M55660	CHKCOF	VRT	M55659
ABE, K.						
	CHPCLAC	PRI	D11383	CHPIMRF	PRI	D11384
	CUGCUR37	PLN	X64111	CUGCUR09	PLN	X64110
	HPCCEXP2	VRL	D10688	HPCCEXP1	VRL	D10687
	HPCNS2PA	VRL	M55971	HPCNS2APA	VRL	M55972
	HPCNS2PB	VRL	M55971	HPCNS2PA	VRL	M55972
	MUSKE2	ROD	M65255	HPCNS5PA	VRL	M55974
	MUSKE2A	ROD	M65256	MUSKE2	ROD	M65255
	MUSKE2B	ROD	M65256	MZECYS	PLN	D10622
	RICCPI	PLN	J03469	RICGLUTE	PLN	D00584
	RICOCS	PLN	M29259	RICLNOCI	PLN	J05595
	RICORYII	PLN	X57658	RICOZA	PLN	D90406
	RICOZB	PLN	D90407	RICOZC	PLN	D90408
	RICOZC	PLN	D90408	S54524	PLN	S54524
	S54526	PLN	S54526	S54530	PLN	S54530
	S54530	PLN	S54530	S73960	ROD	S73960

Table 13. Part of the journal citation index file in 'ddbjjou.idx'.
The journal citation index file lists all of the citations that appear in the references.

ACTA BIOCHIM. BIOPHYS. SIN.	23,	246-253	(1992)	
	HUMPLASINS	PRI	M98056	
ACTA BIOCHIM. POL.	24,	301-318	(1977)	
	LUPTRFJ	RNA	K00345	LUPTRFN
				RNA
ACTA BIOCHIM. POL.	26,	369-381	(1979)	
	BLYTRNPHE	PLN	X02683	

ACTA BIOCHIM. POL. 29, 143-149 (1982)

EMEMTA	ORG M32572	EMEMTA	PLN M32572	EMEMTB	ORG M32573
EMEMTB	PLN M32573	EMEMTC	ORG M32574	EMEMTC	PLN M32574
EMEMTD	ORG M32575	EMEMTD	PLN M32575	EMEMTE	ORG M32576
EMEMTE	PLN M32576				

ACTA BIOCHIM. POL. 34, 21-27 (1987)

LUPNOSP	PLN M32571				
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Table 14. Part of the gene name index file in 'ddbngen.idx'.
This file lists all the gene names that appear in the feature table.

AACC8	STMAACC8	BCT M55426				
AACC9	MPUAACC9	BCT M55427				
AACT	HUMA1ACM	PRI K01500	HUMA1ACMA	PRI X00947	HUMA1ACMB	PRI M18035
	HUMAACT1	PRI M18906	HUMAACT2	PRI M22533	HUMAACTA	PRI J05176
AAD	INTINTORF	BCT L06418	LMOMO229D	BCT X17478		
AAD A1	ENTAAC3VI	BCT M88012				
AAD9	ENEAAD9A	BCT M69221				
AADA	LMOMO229A	BCT X17479	S52249	BCT S52249	SYNAADA	SYN M60473
	TRNTAAB	BCT M55547	TRNTN21CAS	BCT M86913		

The files in this release are arranged in the following order with non-labeled format.

Release note

FILE.001	ddbrel.txt	651 records
Category for bacteria, 10872 entries, 19000740 bases		
FILE.002	ddbjbct.acc	12923 records
FILE.003	ddbjbct.aut	43054 records
FILE.004	ddbjbct.dir	10872 records
FILE.005	ddbjbct.idx	10873 records
FILE.006	ddbjbct.jou	13745 records
FILE.007	ddbjbct.key	41073 records
FILE.008	ddbjbct.org	10872 records
FILE.009	ddbjbct.sdr	10872 records
FILE.010	ddbjbct.seq	679969 records
Category for EST (expressed sequence tag), 7346 entries, 2420026 bases		
FILE.011	ddbjest.acc	7347 records
FILE.012	ddbjest.aut	67226 records
FILE.013	ddbjest.dir	7346 records
FILE.014	ddbjest.idx	7347 records
FILE.015	ddbjest.jou	7359 records
FILE.016	ddbjest.key	24942 records
FILE.017	ddbjest.org	7346 records
FILE.018	ddbjest.sdr	7346 records
FILE.019	ddbjest.seq	199208 records
Category for invertebrates, 7779 entries, 11492617 bases		
FILE.020	ddbjin.acc	9024 records
FILE.021	ddbjin.aut	31555 records
FILE.022	ddbjin.dir	7779 records
FILE.023	ddbjin.idx	7780 records
FILE.024	ddbjin.jou	9444 records
FILE.025	ddbjin.key	28679 records
FILE.026	ddbjin.org	7779 records
FILE.027	ddbjin.sdr	7779 records
FILE.028	ddbjin.seq	441401 records

Category for mammals, 3625 entries, 4713662 bases

FILE.029	ddbjmam.acc	4356	records
FILE.030	ddbjmam.aut	16725	records
FILE.031	ddbjmam.dir	3625	records
FILE.032	ddbjmam.idx	3626	records
FILE.033	ddbjmam.jou	4240	records
FILE.034	ddbjmam.key	13374	records
FILE.035	ddbjmam.org	3625	records
FILE.036	ddbjmam.sdr	3625	records
FILE.037	ddbjmam.seq	194328	records

Category for organelle, 2737 entries, 4368408 bases

FILE.038	ddbjorg.acc	2979	records
FILE.039	ddbjorg.aut	9763	records
FILE.040	ddbjorg.dir	2737	records
FILE.041	ddbjorg.idx	2738	records
FILE.042	ddbjorg.jou	3459	records
FILE.043	ddbjorg.key	10005	records
FILE.044	ddbjorg.org	2737	records
FILE.045	ddbjorg.sdr	2737	records
FILE.046	ddbjorg.seq	163539	records

Category for phages, 885 entries, 1271991 bases

FILE.047	ddbjphg.acc	1056	records
FILE.048	ddbjphg.aut	3277	records
FILE.049	ddbjphg.dir	885	records
FILE.050	ddbjphg.idx	886	records
FILE.051	ddbjphg.jou	1225	records
FILE.052	ddbjphg.key	3402	records
FILE.053	ddbjphg.org	885	records
FILE.054	ddbjphg.sdr	885	records
FILE.055	ddbjphg.seq	50903	records

Category for plants, 10740 entries, 18382781 bases

FILE.056	ddbtpln.acc	12299	records
FILE.057	ddbtpln.aut	41261	records
FILE.058	ddbtpln.dir	10740	records
FILE.059	ddbtpln.idx	10741	records
FILE.060	ddbtpln.jou	13033	records
FILE.061	ddbtpln.key	40185	records
FILE.062	ddbtpln.org	10740	records
FILE.063	ddbtpln.sdr	10740	records
FILE.064	ddbtpln.seq	658620	records

Category for primates, 20892 entries, 21904974 bases

FILE.065	ddbjpri.acc	24787	records
FILE.066	ddbjpri.aut	116474	records
FILE.067	ddbjpri.dir	20892	records
FILE.068	ddbjpri.idx	20893	records
FILE.069	ddbjpri.jou	25146	records
FILE.070	ddbjpri.key	77017	records
FILE.071	ddbjpri.org	20892	records
FILE.072	ddbjpri.sdr	20892	records
FILE.073	ddbjpri.seq	1023230	records

Category for RNAs, 3092 entries, 1736277 bases

FILE.074	ddbjrna.acc	3416	records
FILE.075	ddbjrna.aut	12319	records
FILE.076	ddbjrna.dir	3092	records
FILE.077	ddbjrna.idx	3093	records
FILE.078	ddbjrna.jou	3470	records
FILE.079	ddbjrna.key	10635	records
FILE.080	ddbjrna.org	3092	records
FILE.081	ddbjrna.sdr	3092	records
FILE.082	ddbjrna.seq	111281	records

Category for rodents, 16031 entries, 17919502 bases

FILE.083	ddbjrod.acc	19206	records
FILE.084	ddbjrod.aut	72014	records
FILE.085	ddbjrod.dir	16031	records
FILE.086	ddbjrod.idx	16032	records
FILE.087	ddbjrod.jou	19116	records

FILE.088	ddbjrod.key	58899 records
FILE.089	ddbjrod.org	16031 records
FILE.090	ddbjrod.sdr	16031 records
FILE.091	ddbjrod.seq	804025 records
Category for synthetic DNAs, 1361 entries, 1108671 bases		
FILE.092	ddbjsyn.acc	1474 records
FILE.093	ddbjsyn.aut	5773 records
FILE.094	ddbjsyn.dir	1361 records
FILE.095	ddbjsyn.idx	1362 records
FILE.096	ddbjsyn.jou	1552 records
FILE.097	ddbjsyn.key	4765 records
FILE.098	ddbjsyn.org	1361 records
FILE.099	ddbjsyn.sdr	1361 records
FILE.100	ddbjsyn.seq	55348 records
Category for unannotated sequences, 1661 entries, 1525342 bases		
FILE.101	ddbjuna.acc	1726 records
FILE.102	ddbjuna.aut	6727 records
FILE.103	ddbjuna.dir	1661 records
FILE.104	ddbjuna.idx	1662 records
FILE.105	ddbjuna.jou	1665 records
FILE.106	ddbjuna.key	5047 records
FILE.107	ddbjuna.org	1661 records
FILE.108	ddbjuna.sdr	1661 records
FILE.109	ddbjuna.seq	55043 records
Category for viruses, 9833 entries, 14691864 bases		
FILE.110	ddbjvrl.acc	11346 records
FILE.111	ddbjvrl.aut	54586 records
FILE.112	ddbjvrl.dir	9833 records
FILE.113	ddbjvrl.idx	9834 records
FILE.114	ddbjvrl.jou	12456 records
FILE.115	ddbjvrl.key	36497 records
FILE.116	ddbjvrl.org	9833 records
FILE.117	ddbjvrl.sdr	9833 records
FILE.118	ddbjvrl.seq	551459 records
Category for vertebrates other than mammals, primates, and rodents, 4486 entries, 5261256 bases		
FILE.119	ddbjvrt.acc	5174 records
FILE.120	ddbjvrt.aut	18560 records
FILE.121	ddbjvrt.dir	4486 records
FILE.122	ddbjvrt.idx	4487 records
FILE.123	ddbjvrt.jou	5298 records
FILE.124	ddbjvrt.key	16329 records
FILE.125	ddbjvrt.org	4486 records
FILE.126	ddbjvrt.sdr	4486 records
FILE.127	ddbjvrt.seq	227004 records
DNA data submission form		
FILE.128	ddbjsub.txt	336 records
Accession number index file		
FILE.129	ddbjacc.idx	105551 records
Keyword phrase index file		
FILE.130	ddbjkey.idx	101753 records
Author name index file		
FILE.131	ddbjaut.idx	268583 records
Journal citation index file		
FILE.132	ddbjjou.idx	100323 records
Gene name index file		
FILE.133	ddbjgen.idx	32193 records