

DNA Data Bank of Japan

DNA Database

Release 8, January 1991, including

879 entries, 1573442 bases, 55622 lines

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All the entries in this release have been collected, reviewed, and entered by DNA Data Bank of Japan (DDBJ). The entries will be incorporated also into EMBL and GenBank databases, and an integrated database will be produced and released. The entries made by DDBJ can be identified as such in the integrated database by their accession numbers with "D" at the beginning.

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Files included:

- 1) ddbjrel.txt: release notes; this document
- 2) ddbjsub.txt: a data submission form
- 3) ddbj.dna: DNA data
- 4) ddbj.cds: peptide coding sequences extracted from ddbj.dna
- 5) ddbj.pep: peptide sequences translated from ddbj.cds
- 6) ddbj.dir: a short directory file
- 7) ddbj.acc: an accession number index file
- 8) ddbj.aut: an author name index file
- 9) ddbj.jou: a journal name index file

Files 4 (ddbj.cds) and 5 (ddbj.pep) in the above list were generated by using "seqext" and "pepttr" programs, respectively, written by Dr. Jim Fickett of GenBank, Los Alamos National Laboratory.

Files 6-9 may include more than 80 characters in one line. If this is the case, the line will be folded at every 81th column in the file on the distribution tape with the fixed size of 80 bytes.

Acknowledgments:

We thank GenBank for help, especially for providing us with tools that are useful for quality control in data entry.

Appendix 1. DDBJ database release history

Release	Date	Entries	Bases	Lines
8	01/91	879	1573442	55622
7	07/90	681	1154211	41264
6	01/90	496	841236	29682
5	07/89	395	679378	23895
4	01/89	302	535985	18713
3	07/88	230	345850	13773
2	01/88	142	199392	8238
1	07/87	66	108970	4291

Appendix 2. An example of the DNA sequence file (ddbj.dna)

The format of this file is the same as one of GenBank data which is described in the release note of GenBank Release 63.

```

-----
LOCUS      BOVCYT2          269 bp ds-DNA          MAM          31-OCT-1989
DEFINITION Bovine cytochrome P-450 (11beta) gene, exon 2.
ACCESSION  D00450
KEYWORDS   cytochrome; cytochrome P-450; steroid hormone.
SEGMENT    2 of 8
SOURCE     Bovine adrenal DNA, clone lambdaB11beta(7-1).
  ORGANISM  Bos taurus
            Eukaryota; Metazoa; Chordata; Vertebrata; Tetrapoda; Mammalia;
            Eutheria; Artiodactyla.
REFERENCE  1 (bases 1 to 269)
  AUTHORS  Hashimoto,T., Morohashi,K. and Omura,T.
  TITLE    Cloning and characterization of bovine cytochrome P-450(11beta)
            genes
  JOURNAL  J. Biochem. 105, 676-679 (1989)
  STANDARD full staff_entry
COMMENT
FEATURES   from to/span      description
  pept     /   57 /   212      cytochrome P-450(11beta) gene, exon 2
  refnumbr 58      60          numbered codon 81 in [1]
BASE COUNT 49 a      74 c      110 g      36 t
ORIGIN
  1 agcgggggacc aggcaggaca cggeccctca gcagaccgca gagctctgcc ccacaggtag
  61 gacgtgggag ggagacacat ggtgttcgtg atgctgcccg aggacgtgga gaggctgcag
  121 caggcgggaca gccatcacce tcageggatg atcctgggagc cctggctggc ctaccgacag
  181 gctcgcgggc acaagtgtgg cgtgttcttg ctgtgagggc cggtgggggt gctggaggag
  241 gggcagggcg gcctgggtgc agagagcac
//
...
-----

```

Appendix 3. An example of the peptide coding sequence file (ddbj.cds)

```

-----
ID         BOVCYT2
           cytochrome P-450 (11beta) gene, exon 2
LOCUS      BOVCYT2          269 bp ds-DNA          MAM          31-OCT-1989
ACCESSION  D00450
  ORGANISM  Bos taurus
            Eukaryota; Metazoa; Chordata; Vertebrata; Tetrapoda; Mammalia;

```

```

Eutheria; Artiodactyla.
FEATURES      from to/span  description
  pept      /   57 /   212  2 cytochrome P-450(11beta) gene, exon 2
COMPLETE     5':n  3':n
LENGTH      156
ORIGIN
  1 gtagcagctg ggagggagac acatggtgtt cgtgatgctg cccgaggacg tggagaggct
  61 gcagcaggcg gacagccatc accctcagcg gatgatcctg gagccctggc tggcctaccg
 121 acaggctcgc gggcacaagt gtggcgtgtt cttgct
//
...

```

Appendix 4. An example of the peptide sequence file (ddbj.pep)

```

-----
ID          BOVCYT2
            cytochrome P-450 (11beta) gene, exon 2
LOCUS      BOVCYT2          269 bp ds-DNA          MAM          31-OCT-1989
ACCESSION  D00450
ORGANISM   Bos taurus
            Eukaryota; Metazoa; Chordata; Vertebrata; Tetrapoda; Mammalia;
            Eutheria; Artiodactyla.
FEATURES   from to/span  description
  pept     /   57 /   212  2 cytochrome P-450(11beta) gene, exon 2
COMPLETE   5':n  3':n
LENGTH    51
ORIGIN     Translated using phase 2
            1 ydvgrhmvf vmlpedverl qqadshhpqr milepwlavr qarghkcgvf 1
//
...

```

Appendix 5. An example of the short directory file (ddbj.dir)

Entry name	#Acc	bp	Definition
AAUFUL	D00573	ss-mRNA	1370 + Mushroom (A. aurantia) mRNA for fucose ...
ACAADH1	D90004	ds-DNA	2467 Acetobacter aceti(K6033) alcohol ...
ACH5SRR	D00106	ss-rRNA	114 Achromobacter xylosoxidans GIFU 543 ...
ACH5SRRX	D00107	ss-rRNA	120 Achromobacter cycloclastes IAM 1013 ...
...			
YSKURA3A	D00431	ds-DNA	1764 + Yeast orotidine 5'-phosphate ..
YSOGAPDH	D00134	ds-DNA	2159 Zygosaccharomyces rouxii, ...

'+' means new or updated entries.

Appendix 6. An example of the accession number index file (ddbj.acc)

#Acc	Entry name	#Primary accession
D00001	-> ECOBPBA	D00001
...		
D00629	-> VACB12R	D00629
D90001	-> HSGMD5GA	D90001
...		
D90186	-> CE2SSIA	D90186
J00614	-> MUSPRIMP	D00570
...		
X52093	-> STYFLG	D00498

Appendix 7. An example of the author name index file (ddbj.aut)

Author	Entry name	#Accession
Abe,K.	-> RICGLUT	D00584
Abe,M.	-> GOTGHRA	D00476
...		
shimada,K.	-> HUMLD78	D00045
tlausen,H.Z.	-> LPV76VP1	D00056

Appendix 8. An example of the journal name index file (ddbj.jou)

Journal name	Entry name	#Accession
Acta Obst. Gynaec. Jpn. 35, 1133-1142 (1983)	-> MUSPRIMP	D00570
Agric. Biol. Chem. 47, 441-444 (1983)	-> BOVCAS	D00412
Agric. Biol. Chem. 49, 2725-2731 (1985)	-> MPOCPUP	D00379
...		
Zool. Sci. (1990) In press	-> RATPGHA	D00575
Zool. Sci. (1990) In press	-> RATTSHB	D00578