
New nucleotide sequence data on the EMBL File Server

July 10, 1990 to July 24, 1990

New nucleotide sequence data, available from the EMBL File Server, (see Stoehr, P.J. and Omond, R.A. (1989) *Nucleic Acids Res.*, **17** (16), 6763–6764), are reported below. Availability of all the newest sequence data is the result of collaboration between the EMBL Data Library and GenBank®, and data are supplied regularly by both groups. Updates to existing data are not reported here. This report has been prepared by the EMBL Data Library.

A. acetii acetic acid resistance protein (*aarA*) gene, complete cds.
Fukaya M., Takemura H., Okumura H., Kawamura Y.,
Horinouchi S., Beppu T.;
J. Bacteriol. 172:2096–2104(1990). M34830

A. awamori aspergillopepsin A (*pepA*) gene, complete cds.
Berka R.M., Ward M., Wilson L.J., Hayenga K.J., Kodama
K.H., Carlomagno L.P., Thompson S.A.;
Gene 86:153–162(1990). M34454

A. aquaticus 5S ribosomal RNA, complete sequence.
Bulygina E.S., Galchenko V.F., Govorukhina N.I., Netrusov
A.I., Nikitin D.I., Trotsenko Y.A., Chumakov K.M.;
J. Gen. Microbiol. 136:441–446(1990). M34775

A. calcoaceticus 5'-phosphoribosyl anthranilate isomerase (*trpF*)
and tryptophan synthase (*trpB*) genes, complete cds and 5' end.
Ross C.M., Kaplan J.B., Winkler M.E., Nichols B.P.;
Mol. Biol. Evol. 7:74–81(1990). M34485

A. fulgidus 7S RNA gene
Kaine B.P.;
Mol. Gen. Genet. 221:315–321(1990). X17237

Sequencing vector pAA113M DNA.
Ahmed A.;
Gene 75:315–321(1989). M20189

Aspergillus giganteus mRNA for antifungal protein
Wnendt S., Ulbrich N., Stahl U.;
Nucleic Acids Res. 18:3987–3987(1990). X53432

Synthetic *E. coli* alkaline phosphatase gene, partial cds.
Chou M.M., Kendall D.A.;
J. Biol. Chem. 265:2873–2880(1990). M34498–M34501

Human interleukin-1beta/growth hormone fusion protein gene,
complete cds.
Pecceu R., Dousset P., Shire D., Cavrois E., Marchese E.,
Ferrara P., Kaghad M., Dumont X., Lupker J.;
Unpublished. M35049

Synthetic horseradish peroxidase isoenzyme C (HRP-C) subunit
alpha-1 DNA, complete cds.
Smith A.T., Santama N., Dacey S., Edwards M., Bray R.C.,
Thornely R.N.F., Burke J.F.;
J. Biol. Chem. (In Press) J05552

Synthetic human ubiquitin gene (Thr14→Cys), complete cds.
Ecker D.J., Butt T.R., Marsh J., Sternberg E., Shatzman A.,
Dixon J.S., Weber P.L., Crooke S.T.;
J. Biol. Chem. 264:1887–1893(1989). M21581

Synthetic human ubiquitin gene (Phe4→Cys), complete cds.
Ecker D.J., Butt T.R., Marsh J., Sternberg E., Shatzman A.,
Dixon J.S., Weber P.L., Crooke S.T.;
J. Biol. Chem. 264:1887–1893(1989). M22214

Synthetic human ubiquitin gene (Phe4→Cys, Thr14→Cys),
complete cds.
Ecker D.J., Butt T.R., Marsh J., Sternberg E., Shatzman A.,
Dixon J.S., Weber P.L., Crooke S.T.;
J. Biol. Chem. 264:1887–1893(1989). M22215

Synthetic human ubiquitin gene (Phe4→Cys, Thr14→Cys,
Thr66→Cys), complete cds.
Ecker D.J., Butt T.R., Marsh J., Sternberg E., Shatzman A.,
Dixon J.S., Weber P.L., Crooke S.T.;
J. Biol. Chem. 264:1887–1893(1989). M22216

Synthetic human ubiquitin gene (Phe4→Cys, Thr66→Cys),
complete cds.
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Dixon J.S., Weber P.L., Crooke S.T.;
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Dixon J.S., Weber P.L., Crooke S.T.;
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D. melanogaster synthetic Sgs-3 glue protein gene/*Adh* gene, 5'
flank.
Roark M., Raghavan K.V., Todo T., Mayeda C.A., Meyerowitz
E.M.;
Dev. Biol. 139:121–133(1990). M34726

Synthetic uteroglobin (UG) mRNA expressed in *E. coli*, 5' end.
Miele L., Cordella-Miele E., Mukherjee A.B.;
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A. nidulans gene for nuclear movement protein
Osmani S.A., Morris N.R., Osmani A.H.;
J. Cell Biol. (In Press). X52565

A. nidulans *psbI* gene for I-polypeptide of photosystem II complex
Chen J.C., Meng B.Y., Fukuta M., Sugiura M.;
Nucleic Acids Res. 18:4017–4017(1990). X52750

Duck argininosuccinate lyase/delta 2-crystallin mRNA, complete
cds.
Wistow G., Piatigorsky J.;
Gene (In Press) M35132

Duck argininosuccinate lyase/delta 1-crystallin mRNA, complete
cds.

- Wistow G., Piatigorsky J.;
Gene (In Press) M35133
- Starfish (*A.pectinifera*) cyclin B (CYC) mRNA, complete cds.
Tachibana K., Ishiura M., Uchida T., Kishimoto T.;
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- Anabaena sp. heterocyst differentiation protein (hetA) gene,
complete cds.
Holland D., Wolk C.P.;
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- Acetobacter sp. (strain MB 58) 5S ribosomal RNA, complete
sequence.
Bulygina E.S., Galchenko V.F., Govorukhina N.I., Netrusov
A.I., Nikitin D.I., Trotsenko Y.A., Chumakov K.M.;
J. Gen. Microbiol. 136:441–446(1990). M34766
- Acetobacter sp. (strain 914) 5S ribosomal RNA, complete
sequence.
Bulygina E.S., Galchenko V.F., Govorukhina N.I., Netrusov
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J. Gen. Microbiol. 136:441–446(1990). M34767
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Puchta H., Luckinger R., Yang X., Hadidi A., Saenger H.L.;
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- Arabidopsis thaliana* genes for 5.8S rRNA and 25S rRNA with
18S rRNA fragment
Unfried I., Gruendler P.;
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Akama K., Tanifuji S.;
Unpublished. X15757
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Akama K., Tanifuji S.;
Unpublished. X15756
- A.thaliana* gene for tRNA-Phe (P-10-S)
Akama K., Tanifuji S.;
Unpublished. X15755
- A.thaliana* gene for tRNA-Phe (P-2-S)
Akama K., Tanifuji S.;
Unpublished. X15753
- A.thaliana* gene for tRNA-Phe (P-5)
Akama K., Tanifuji S.;
Unpublished. X15754
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Baldauf S.L., Palmer J.D.;
Nature 344:262–265(1990). X52256
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Wang K., Herrera-Estrella A.H., Van Montagu M.;
Unpublished. M33673
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methylase
Connaughton J.F., Kaloss W.D., Vanek P.G., Nardone G.A.,
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gene, complete cds.
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Virology 168:344–353(1989). M22537
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gene, complete cds.
Blissard G.W., Quant-Russell R.L., Rohrmann G.F., Beaudreau
G.S.;
Virology 168:354–362(1989). M21042
- B.burgdorferi* flagellin gene, 5' end.
Picken R.N.;
Unpublished. M34710
- B.burgdorferi* DNA.
Picken R.N.;
Unpublished. M34711
- Bacillus circulans* BGC gene for lichenase (EC 3.2.1.73)
Bueno A., Vasquez De Aldana C.R., Correa J., Del rey F.;
Unpublished. X52880
- B.circulans* beta-1,3-glucanase A1 (glcA) gene, complete cds.
Yahata N., Watanabe T., Nakamura Y., Yamamoto Y.,
Kamimiya S., Tanaka H.;
Gene 86:113–117(1990). M34503
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complete cds.
Thompson J.S., Malmay M.H.;
J. Bacteriol. 172:2584–2593(1990). M34831
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Arnason U., Widegren B.;
Chromosoma 98:323–329(1989). X52700–X52702
- B.malayi* MboI repeat consensus sequence DNA.
Natarajan S., Werner C., Cameron M., Rajan T.V.;
Unpublished. M34369
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Arnason U., Widegren B.;
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X52703–X52705, X53811–X53814
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Mooi F.R., ter Avest A., van der Heide H.G.J.;
FEMS Microbiol. Lett. 66:327–332(1990). X51543
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complete cds.
Ye Z.H., Buranen S.L., Lee C.Y.;
J. Bacteriol. 172:2568–2575(1990). M34832
- Bacteriophage NF head fibre protein gene
Yoo S.K., Braithwaite D.K., Ito J.;
Unpublished. X52807
- B.subtilis* 13 kD cytochrome c-550 (cccA) gene, complete cds.
von Wachenfeldt C., Hederstedt L.;
J. Biol. Chem. (In Press) J05569
- B.subtilis* glycerol kinase (glpK) and glycerol-3-phosphate
dehydrogenase (glpD) genes, complete cds.

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Unpublished. M34393
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Nishiya Y., Imanaka T.;
Unpublished. M34237
- B. subtilis* protein synthesis initiation factor 2 (infB) gene, complete cds.
Shazand K., Tucker J., Chiang R., Stansmore K., Sperling-Petersen H.U., Grunberg-Manago M., Rabinowitz J.C., Leighton T.;
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Yoshikawa H., Doi R.H.;
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Sick A., Gaertner F., Wong A.;
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Scott D.B., Hancock K.R., Pearce L., Maddox I.S.;
Unpublished. M35107
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Spieker R.L., Haas Charng Y.C., Freimuller K., Saenger H.L.;
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Jackson M.K., Knowles D.P., Stem T.A., Harwood W.G., Robinson M.M., Cheevers W.P.;
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Kramer J.M., French R.P., Park E.C., Johnson J.J.;
Mol. Cell. Biol. 10:2081–2089(1990). M34451
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Blaser M.J., Gotschlich E.C.;
J. Biol. Chem. (In Press) J05577
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Venner T.J., Singh B., Gupta R.S.;
Unpublished. M34562
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Ahmad S., Ahuja R., Venner T.J., Gupta R.S.;
Unpublished. M34561
- C. griseus* ribosomal protein S14 (RPS14) gene, complete cds.
Diaz J.J., Rhoads D., Roufa D.J.;
Unpublished. M35008
- Chinese hamster T-complex protein 1 (TCP-1) mRNA, complete cds.
Ahmad S., Gupta R.S.;
Unpublished. M34665
- C. graminicola* beta-tubulin-1 (TUB1) gene, complete cds.
Panaccione D.G., Hanau R.M.;
Gene 86:163–170(1990). M34491
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Gene 86:163–170(1990). M34492
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Maid U., Zetsche K.;
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von Kries J.P., Phi-Van L., Diekmann S., Straetling W.H.;
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Sutter T.R., Sanglard D., Loper J.C.;
Unpublished. M35199
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Unpublished. X52844
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protein interactivewith the ftz transcriptional regulatory region
Harrison S.D., Travers A.A.;
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Cabrera y Poch H.L., Arribas C., Izquierdo M.;
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Desulfotomaculum orientis 16S ribosomal rRNA.
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J. Bacteriol. 171:6689–6695(1989). M34417

D.propionicus 16S ribosomal rRNA.
Devereux R., Delaney M., Widdel F., Stahl D.A.;
J. Bacteriol. 171:6689–6695(1989). M34410

D.pigra 16S ribosomal rRNA.
Devereux R., Delaney M., Widdel F., Stahl D.A.;
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D.ruminis 16S ribosomal rRNA.
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Desulfobacter sp. Vulgaris 16S ribosomal rRNA.
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J. Bacteriol. 171:6689–6695(1989). M34415

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J. Bacteriol. 171:6689–6695(1989). M34416

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D.saporans 16S ribosomal rRNA.
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D.vulgaris 16S ribosomal rRNA.
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D.variabilis 16S ribosomal rRNA.
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D.vacuolatum 16S ribosomal rRNA.
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cheW protein (5' end) genes.
Kofoid E.C., Parkinson J.S.;
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periplasmic protease (htrA) gene, 5'end.
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