
New nucleotide sequence data on the EMBL File Server

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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.

Agrobacterium tumefaciens Ti plasmid ipt gene for isopentenyl transferase

Strabala T.J., Bednarek S.Y., Bertoni G., Amasino R.;
Mol. Gen. Genet. (In Press). X14410

Oat gene for 12S seed storage protein

Schubert R., Baeumlein H., Czihal A., Wobus U.;
Nucleic Acids Res. **18**:377–377(1990). X17637

Agrobacterium tumefaciens plasmid pTi15955 virF region

Melchers L.S., Thompson D.V., Maroney M., Van Vuuren H., Schilperoort R.A., Hooykaas P.J.J.;
Unpublished. X13981

Azotobacter vinelandii ORF107 downstream of rpoN gene

Merrick M.J., Coppard J.R.;
Mol. Microbiol. **3**:1765–1775(1989). X16334

Brassica napus napB gene for napin

Ryan A.J., Shaw C.H.;
Unpublished. X14492

Channel catfish herpesvirus gene for putative protein kinase

Lacasa M.;
Unpublished. X15978

Canis familiaris mRNA for calcyphosine

Lefort A., Lecocq R., Libert F., Lamy F., Swillens S., Vassart G., Dumont J.;
Unpublished. X14047

Canavalia gladiata concanavalin A gene

Yamauchi D., Minamikawa T.;
FEBS Lett. **260**:127–130(1990). X16041

Cotton chloroplast psbA gene for QB protein

Ulmasov T.N., Gulov M.K., Aliev K.A., Andrianov V.M., piruzian E.S.;
Nucleic Acids Res. **18**:186–186(1990). X15885

Cotton chloroplast rbcL gene for ribulose biphosphate carboxylase oxygenase large subunit (EC 4.1.1.39)

Gulov M.K., Ulmasov T.N., Aliev K.A., Andrianov V.M., piruzian E.S.;
Nucleic Acids Res. **18**:185–185(1990). X15886

Chinese hamster mRNA for cyclophilin

Bergsma D.J., Sylvester D.;
Nucleic Acids Res. **18**:200–200(1990). X17105

Transmissible gastroenteritis virus (TGEV) mRNA encoding ORF 1–3

Britton P., Lopez Otin C., Martin Alonso J.M., Parra F.;
Unpublished. X14551

Chloroplast *Sinapis alba* tRNA-Ser gene and psbI gene for I polypeptide of photosystem II

Neuhaus H., Pfannschmidt T., Link G.;
Nucleic Acids Res. **18**:368–368(1990). X17616

Cryptomonas genes for 16S ribosomal RNA, transfer RNA-Ile, transfer RNA-Ala and 23S ribosomal RNA

Douglas S.E., Durnford D.G.;
Unpublished. X14504

Drosophila asense gene from achaete-scute complex

Gonzales F., Romani S., Cubas P., Modolell J., Campuzano S.;
EMBO J. **8**:3553–3562(1989). X17649

Drosophila melanogaster cecropin gene cluster

Kylsten P., Samakovlis C., Hultmark D.;
EMBO J. **9**:217–224(1990). X16972

Drosophila gene for enolase (2-phospho-D-glycerate hydrolase) (EC 4.2.1.11)

Bishop J.G., Corces V.G.;
Nucleic Acids Res. **18**:191–191(1990). X17034

Drosophila retroposon microcopia Dm-2 3'end

Lankenau D.H., Hennig W.;
Unpublished. X15066

Drosophila retroposon microcopia Dm-2 5'end

Lankenau D.H., Hennig W.;
Unpublished. X14173

Drosophila stellate gene

Livak K.J.;
Unpublished. X15899

Enterobacter cloacae ecaIM gene for DNA methyltransferase EcaI

Brenner V., Venetianer P., Kiss A.;
Nucleic Acids Res. **18**:355–359(1990). X17111

Escherichia coli lysU gene for lysyl-tRNA synthetase (EC 6.1.1.6)

Leveque F., Plateau P., Dessen P., Blanquet S.;
Nucleic Acids Res. **18**:305–312(1990). X16542

Escherichia coli murD gene for UDP-N-acetylmuramoyl-L-alanine:D-glutamate ligase (EC 6.3.2.9)

Mengin-Lecreux D., Van Heijenoort J.;
Nucleic Acids Res. **18**:183–183(1990). X17609

- Escherichia coli nagA, nagC and nagD genes for N-acetylglucosamine-6-phosphate deacetylase
Plumbridge J.;
Unpublished. X14135
- Escherichia coli plasmid pDGO101 3' conserved region downstream of the sulI gene
Hall R.M.;
Unpublished. X15369
- Escherichia coli plasmid traT gene for TraT lipoprotein
O'Connor D.;
Unpublished. X14566
- Euglena gracilis tef mRNA for elongation factor EF-1alpha
Montandon P.E., Stutz E.;
Nucleic Acids Res. 18:75-82(1990). X16890
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McGuire T.C., Lacy P.A., O'Rourke K.;
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Fainsod A., Gruenbaum Y.;
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Lin Z.Y., Dechesne C.A., Eldridge J., Paterson B.M.;
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Morris B., Coates L., Lowe S., Richardson K., Eddy P.;
Nucleic Acids Res. 18:197-198(1990). X17095
- African cassava mosaic virus (Nigerian strain) DNA-2
Morris B., Coates L., Lowe S., Richardson K., Eddy P.;
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Sasaki H., Kuroiwa A.;
Nucleic Acids Res. 18:184-184(1990). X17612
- Hepatitis B virus gene for core protein clone 5
Kaneko S., Miller R.H.;
Unpublished. X14559
- Hepatitis B virus gene for core protein clone 5-1
Kaneko S., Miller R.H.;
Unpublished. X14560
- Hepatitis B virus gene for core protein clone 5-2
Kaneko S., Miller R.H.;
Unpublished. X14561
- Hepatitis B virus gene for core protein clone 5-3
Kaneko S., Miller R.H.;
Unpublished. X14562
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Mankin A.S.;
FEBS Lett. 246:13-16(1989). X14967
- Helicobacter pylori hpuA and hpuB genes for urease large and small structural subunits (EC 3.5.1.5)
Clayton C.L., Pallen M.J., Kleanthous H., Wren B.W., Tabaqchali S.;
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Kaplan D.J., Duncan C.H.;
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- Human gene for beta B3 crystallin
Aarts H.J.M., Jacobs E.H.M., Van Willigen G., Lubsen N.H., Schoenmakers J.G.G.;
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Aarts H.J.M., Jacobs E.H.M., Van Willigen G., Lubsen N.H., Schoenmakers J.G.G.;
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Hampe A., Shamoon B.M., Gobet M., Sherr C., Galibert F.;
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Gebhard W., Schube M., Eulitz M.;
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Miles J.S., McLaren A.W., Gonzalez F.J., Wolf C.R.;
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Hoshino S., Miyazawa H., Enomoto T., Hanaoka F., Kikuchi Y., Kikuchi A., Ui M.;
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- Human mRNA for granulocyte-macrophage colony-stimulating factor receptor (hGM-CSF-R)
Gearing D.P., King J.A., Gough N.M., Nicola N.A.;
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Geraghty D.E., Wei X., Orr H., Koller B.H.;
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Gebhard W., Schreitmueller T., Hochstrasser K., Wachter E.;
Eur. J. Biochem. 181:571-576(1989). X16260
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Binkert C., Landwehr J., Mary J.L., Schwander J., Heinrich G.;
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Okamura K., Akahori Y., Ishiguro H., Kurosawa Y.;
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Tedder T.F., Isaacs C.M., Ernst T.J., Demetri G.D., Adler D.A., Disteche C.M.;
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Braun T., Bober E., Buschhausen-Denker G., Kotz S., Grzeschik K.H., Arnold H.H.;
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Braun T., Bober E., Buschhausen-Denker G., Kotz S., Grzeschik K.H., Arnold H.H.;
EMBO J. 8:3617–3625(1989). X17651
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Chung B.;
Unpublished. X14257
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Roessler B.J., Bell G., Heidler S., Seino S., Becker M., Palella T.D.;
Nucleic Acids Res. 18:193–193(1990). X15331
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Suva L.J., Gillespie M.T., Hudson P.J.;
Unpublished. X14304
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Ganguly S., Chaganti R.S.K.;
Unpublished. X12660
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Wells R.A., Germino G.G., Krishna S., Buckle V.J., Reeders S.T.;
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Barnett T.R., Kretschmer A., Austen D.A., Goebel S.J., Hart J.T., Elting J.J., Kamarck M.E.;
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Abramowicz M.J., Christophe D., Vassart G.;
Unpublished. X15103
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Schoenmakers H.F.P.M., Yu M., Konings R.N.H.;
Unpublished. X14336
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Dimri G.P., Das H.K.;
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Merrick M.J., Coppard J.R.;
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Roberts E., Kolattukudy P.E.;
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Roberts E., Kolattukudy P.E.;
Mol. Gen. Genet. 217:223–232(1989). X15854
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Fukunaga M., Horie I., Okuzako N., Mifuchi I.;
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Salvato M., Shimomaye E.M.;
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Mosley B., Beckmann M.P., March C.J., Idzerda R.L., Gimpel S.D., VandenBos T., Friend D., Alpert A., Anderson D., Jackson J., Wignall J.M., Smith C., Gallis B., Sims J.E.; Urdal D., Widmer M.B., Cosman D., Park L.S.;
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Cell 59:335–348(1989). M27960
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Pichersky E., Soltis D., Soltis P.;

Proc. Natl. Acad. Sci. USA (In Press) M29584

P.phosphoreum Arg-tRNA and His-tRNA genes.

Giroux S., Cedergren R.;

J. Bact. (In Press) M29761

V.harveyi Arg-tRNA, two Pro-tRNA and two His-tRNA genes.

Giroux S., Cedergren R.;

J. Bact. (In Press) M29762

P.munitum chlorophyll a/b-binding protein F6 pseudogene (CABF6), complete cds.

Pichersky E., Soltis D., Soltis P.;

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P.munitum chlorophyll a/b-binding protein F7 pseudogene (CABF7), complete cds.

Pichersky E., Soltis D., Soltis P.;

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P.munitum chlorophyll a/b-binding protein F8 pseudogene (CABF8), complete cds.

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Human casein kinase II beta subunit mRNA, complete cds.

Heller-Harrison R.A., Meisner H., Czech M.P.;

Biochemistry 28:9053-9058(1989). M30448

D.discoideum uridine diphosphoglucose pyrophosphorylase (UDPGP1) gene, 5' end.

Pavlovic J., Haribabu B., Dottin R.P.;

Mol. Cell. Biol. 9:4660-4669(1989). M30467

N.crassa cytoplasmic leucyl-tRNA synthetase (LeuRS) gene, complete cds.

Chow C.M., Rajbhandary U.L.;

Mol. Cell. Biol. 9:4645-4652(1989). M30473

Chicken alpha-A-crystallin gene, 5' flank.

Klement J.F., Wawrousek E.F., Piatigorsky J.;

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Human homeobox protein mRNA, 3' end, clone HOX2.2.

Shen W.-F., Largman C., Lowney P., Corral J.C., Detmer K.,

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Hauser C.A., Simonitch T.A., Hack F.M., Lawrence H.J.;

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Fused *N.tabacum* aminoglycoside phosphotransferase II (aphII) gene, 5' end/Agrobacterium T-DNA.

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T.molitor satellite repeats E1- E13

Ugarkovic D., Plohl M., Gamulin V.;

Gene 83:181-183(1989). M30656-M30668

T.molitor satellite repeats S1-S9

Ugarkovic D., Plohl M., Gamulin V.;

Gene 83:181-183(1989). M30669-M30677

Human calcineurin B mRNA, complete cds.

Guerini D., Krinks M.H., Sikela J.M., Hahn W.E., Klee C.B.;

DNA 8:675-682(1989). M30773

B.coagulans glyceraldehyde-3-phosphate dehydrogenase gene, complete cds.

Tesfay H.S., Amelunxen R.E., Goldberg I.D.;

Gene 82:237-248(1989). M30782

B.stearothermophilus glyceraldehyde-3-phosphate dehydrogenase gene, complete cds.

Tesfay H.S., Amelunxen R.E., Goldberg I.D.;

Gene 82:237-248(1989). M30783

E.coli delta-aminolevulinic synthase (hemA) gene, complete cds.

Li J.-M., Russell C.S., Cosloy S.D.;

Gene 82:209-217(1989). M30785

P.cepacia protocatechuate 3,4-dioxygenase alpha- and beta-subunit genes, complete cds.

Zylstra G.J., Olsen R.H., Ballou D.P.;

J. Bact. 171:5915-5921(1989). M30791

Insertion sequence IS891 (from *Anabaena* sp.) ORF, complete cds.

Bancroft I., Wolk C.P.;

J. Bact. 171:5949-5954(1989). M30792

P.haemolytica leukotoxin (lktC) gene, 5' end.

Strathdee C.A., Lo R.Y.C.;

J. Bact. 171:5955-5962(1989). M30793

B.subtilis late competence protein (comC) gene, complete cds.

Mohan S., Aghion J., Guillen N., Dubnau D.;

J. Bact. 171:6043-6051(1989). M30805

B.cereus phosphatidylinositol-specific phospholipase C gene, complete cds.

Kuppe A., Evans L.M., McMillen D.A., Griffith O.H.;

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Mouse transferrin (mTf) gene, exon 1.

Idzerda R.L., Behringer R.R., Theisen M., Huggenvik J.I.,

McKnight G.S., Brinster R.L.;

Mol. Cell. Biol. 9:5154-5162(1989). M30819

Mouse transferrin (mTf) gene, last exon.

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McKnight G.S., Brinster R.L.;

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Pea chloroplast Val-tRNA and 16S rRNA gene, 5' end.

Sun E., Wu B.-W., Tewari K.K.;

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Maize NADH:nitrate reductase (NR) mRNA, 5' end.

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Samia J.A., Alexander S.J., Horton K.W., Auron P.E., Byers M.G., Shows T.B., Webb A.C.;
Genomics (In Press) M31546–M31551
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Schuster W., Unseld M., Wissinger B., Brennicke A.;
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Kaleikau E.K., Andre C.P., Walbot V.;
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Kaleikau E.K., Andre C.P., Doshi B., Walbot V.;
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Kaleikau E.K., Andre C.P., Walbot V.;
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Suyama Y., Jenney F.;
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Brorson K.A., Hunt S.W., Hunkapiller T., Sun H.Y., Cheroutre H., Nickerson D.A., Hood L.;
J. Exp. Med. 170:1837–1858(1989). X16198
- Mouse D4 class I MHC gene (exon 5)
Brorson K.A., Hunt S.W., Hunkapiller T., Sun H.Y., Cheroutre H., Nickerson D., Hood L.;
J. Exp. Med. 170:1837–1858(1989). X16199
- Woodchuck *hcr* gene
Moroy T., Etienne J., Bougueleret L., Hadchouel M., Tiollais P., Buendia M.A.;
Oncogene 4:59–65(1989). X13234
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Brorson K.A., Hunt S.W., Hunkapiller T., Sun H.Y., Cheroutre H., Nickerson D.A., Hood L.;
J. Exp. Med. 170:1837–1858(1989). X16197
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Tulchinsky B.;
Unpublished. X16094
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Brorson K.A., Hunt S.W., Hunkapiller T., Sun H.Y., Cheroutre H., Nickerson D., Hood L.;
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Brorson K.A., Hunt S.W., Hunkapiller T., Sun Y.H., Cheroutre H., Nickerson D.A., Hood L.;
J. Exp. Med. 170:1837–1858(1989). X16216–X15223
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J. Exp. Med. 169:363–368(1989). X14045
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Dittman W.A., Majerus P.W.;
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