

New nucleotide sequence data on the EMBL File Server

April 3, 1990 to April 17, 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.

Artificial cloning vector plasmid BD64

Minton N.P., Swinfield T.J., Brehm J.K., Oultram J.D.;
Unpublished. X51450

Aspergillus nidulans facA (= acuA) gene for acetyl-coenzyme A synthetase (EC 6.2.1.1)

Connerton I.F., Fincham J.R.S., Sandeman R.A., Hynes M.J.;
Mol. Microbiol. 4:451–460(1990). X16990

Brassica napus 5-enolpyruvylshikimate-3-phosphate synthase gene

Gasser C.S., Klee H.J.;
Unpublished. X51475

Bacillus subtilis spoVE gene

Sato T., Theeragool G., Yamamoto T., Okamoto M., Kobayashi Y.;
Unpublished. X51419

Corynebacterium diphtheriae plasmid pNG2 ermA gene for erythromycin methyltransferase

Hodgson A.L.M., Krywult J., Radford A.J.;
Nucleic Acids Res. 18:1891–1891(1990). X51472

Canis familiaris RDC1,RDC4,RDC7 mRNA for G protein-coupled receptor

Libert F., Parmentier M., Lefort A., Dinsart C., Van Sande J., Maenhaut C., Simons M.J., Dumont J.E., Vassart G.;
Science 244:569–572(1989). X14048,X14049,X14051

Crithidia fasciculata ribosomal DNA promoter region

Gronal E.J.M., Evers R., Cornelissen A.W.C.A.;
Unpublished. X51407

Bunyamwera virus small RNA segment, N and NSs protein.

Elliott R.M.;
J. Gen. Virol. 70:1281–1285(1989). D00353

Equine herpesvirus 1(EHV1) glycoprotein B (gB) gene and 3' end of an overlapping upstream gene with homology to the HSV1 ICP18.5 gene.

Whalley J.M., Robertson G.R., Scott N.A., Hudson G.C., Bell C.W., Woodworth L.M.;
J. Gen. Virol. 70:383–394(1989). D00401

Human cystatin A gene.

Kaji H., Kumagai I., Takeda A., Miura K., Samejima T.;
J. Biochem. 105:143–147(1989). D00404

E. coli glpD gene, C-terminal region of putative glgP gene and unidentified ORF(ORFX1).

Choi Y.-L., Kawase S., Kawamukai M., Utumi R., Sakai H., Komano T.;
Agric. Biol. Chem. 53:1135–1143(1989). D00425

Potato virus Y (N strain) genomic RNA, complete.

Robaglia C., Durand-Tardif M., Tronchet M., Boudazin G., Astier-Manificier S., Casse-Delbart F.;
J. Gen. Virol. 70:935–947(1989). D00441

Mouse genomic DNA (H-2b haplotype).

Shiroishi T., Hanzawa N., Sagai T., Ishiura M., Gojobori T., Steinmetz M., Moriwaki K.;
Immunogenetics (In Press) D90008

Bovine T-cell receptor alpha chain, variable and joining region.

Ishiguro N., Tanaka A., Shinagawa M.;
Immunogenetics (In Press) D90028

Enterobacter cloacae plasmid born aacC2 gene for aminoglycoside-(3)-N-acetyltransferase isoenzyme II (AAC(3)-II)

Vliegenthart J.S., Ketelaar-van Gaalen P.A.G., Van de klundert J.A.M.;
Antimicrob. Agents Chemother. 33:1153–1159(1989). X51534

Escherichia coli plasmid R388 plasmid oriT region

Llosa M., Bolland S., de la Cruz F.;
Unpublished. X51505

Chicken CNM tandem DNA repeat

Matzke M., Varga F., Berger H., Scherthaner J., Schweizer D., Mayr B., Matzke A.;
Unpublished. X51431

Holothuria polii satellite DNA (clone pHPE66)

Sainz J., Cornudella L.;
Nucleic Acids Res. 18:885–890(1990). X17673

Holothuria polii satellite DNA (clone pHPE71)

Sainz J., Cornudella L.;
Nucleic Acids Res. 18:885–890(1990). X17674

Human mRNA for cytochrome P-450 HPH

Kolyada A.Y.;
Unpublished. X51535

Human mRNA for carboxypeptidase E (EC 3.4.17.10)

Manser E., Fernandez D., Loo L., Goh P.Y., Monfries C., Hall C., Lim L.;
Biochem. J. (In Press) X51405

Human mRNA for ezrin

Gould K.L., Bretscher A., Esch F.S., Hunter T.;
EMBO J. 8:4133–4142(1989). X51521

Human mRNA for fumarylacetoacetase (EC 3.7.1.2)

Agsteribbe E., van Faassen H., Hartog M.V., Reversma T., Taanman J.W., Pannekoek H., Evers R.F., Welling G.M.,

- Berger R.;
Nucleic Acids Res. 18:1887–1887(1990). X51728
- Human mRNA for fibrinogen gamma chain (partial)
Marchetti L., Zanelli T., Malcovati M., Tenchini M.L.;
Unpublished. X51473
- Human mRNA for serum amyloid A (SAA) protein partial, clone pAS1
Steinkasserer A., Weiss E.H., Schwaeble W., Linke R.P.;
Biochem. J. (In Press) X51439
- Rat aorta lysyl oxidase mRNA, complete cds.
Trackman P.C., Pratt A.M., Wolanski A., Tang S.-S., Offner G.D., Troxler R.F., Kagan H.M.;
Biochemistry (In Press) J02903
- Sindbis virus mutations.
Mi S., Durbin R., Huang H.V., Rice C., Stollar V.;
Virology 170:385–391(1989). J04345
- Mouse tryptophan hydroxylase (Tph) mRNA, complete cds.
Stoll J., Kozak C.A., Goldman D.;
Genomics (In Press) J04758
- Rat phospholipase C type IV mRNA, complete cds.
Emori Y., Homma Y., Sorimachi H., Kawasaki H., Nakanishi O., Suzuki K., Takenawa T.;
J. Biol. Chem. 264:21885–21890(1989). J05155
- P.aeruginosa* carbenicillinase gene, complete cds.
Boissinot M., Levesque R.C.;
J. Biol. Chem. 265:1225–1230(1990). J05162
- Mouse phosphoglycoprotein Pgp-1 (Ly24.2) mRNA, complete cds.
Wolffe E.J., Gause W.C., Pelfrey C.M., Holland S.M., Steinberg A.D., August J.T.;
J. Biol. Chem. 265:341–347(1990). J05163
- Halobacterium sp.* archaeorhodopsin gene, complete cds.
Sugiyama Y., Maeda M., Futai M., Mukohata Y.;
J. Biol. Chem. 264:20859–20862(1989). J05165
- Human alpha-1-antichymotrypsin mRNA, 3' end.
Rubin H., Wang Z.m., Nickbarg E.B., McLarney S., Naidoo N., Schoenberger O.L., Johnson J.L., Cooperman B.S.;
J. Biol. Chem. 265:1199–1207(1990). J05176
- Vaccinia virus cell surface-binding protein gene, complete cds.
Maa J.-S., Rodriguez J.F., Esteban M.;
J. Biol. Chem. (In Press) J05190
- S.tuberosum* 3-deoxy-D-arabino-heptulosonate 7-phosphate synthase (aro1) mRNA, complete cds.
Dyer W.E., Weaver L.M., Zhao J., Kuhn D.N., Weller S.C., Herrmann K.M.;
J. Biol. Chem. 265:1608–1614(1990). J05191
- Mouse junD proto-oncogene mRNA, complete cds.
Li L., Hu J.-S., Olson E.N.;
J. Biol. Chem. 265:1556–1562(1990). J05205
- Rat ATP citrate-lyase mRNA, complete cds.
Elshourbagy N.A., Near J.C., Metz P.J., Sathe G.M., Southan C., Stickler J.E., Gross M., Young J.F., Wells T.N.C., Groot P.H.E.;
J. Biol. Chem. 265:1430–1435(1990). J05210
- Pig insulin-like growth factor-binding protein 3 (IGF-BP3) mRNA, 3' end.
Shimasaki S., Shimonaka M., Ui M., Inouye S., Shibata F., Ling N.;
J. Biol. Chem. 265:2198–2202(1990). J05228
- Human erythroid alpha-spectrin (SPTA1) mRNA, complete cds.
Sahr K.E., Laurila P., Kotula L., Scarpa A.L., Coupal E., Leto T.L., Linnenbach A.J., Winkelmann J.C., Speicher D.W., Marchesi V.T., Curtis P.J., Forget B.G.;
J. Biol. Chem. 265:4434–4443(1990). J05244
- E.coli* psiD locus containing alkylphosphonate uptake (phn) genes A through Q, complete cds.
Chen C.-M., Ye Q.-Z., Zhu Z., Wanner B.L., Walsh C.T.;
J. Biol. Chem. 265:4461–4471(1990). J05260
- Mouse protective protein (Mo54) mRNA, complete cds.
Galjart N.J., Gillemans N., Meijer D., d'Azzo A.;
J. Biol. Chem. 265:4678–4684(1990). J05261
- Human farnesyl pyrophosphate synthetase mRNA, complete cds.
Wilkin D.J., Kutsunai S.Y., Edwards P.A.;
J. Biol. Chem. 265:4607–4614(1990). J05262
- Rat cytosolic aspartate aminotransferase gene, exon 1.
Pave-Preux M., Aggerbeck M., Veysier C., Bousquet-Lemerrier B., Hanoune J., Barouki R.;
J. Biol. Chem. 265:4444–4448(1990). J05263
- Mouse interferon gamma receptor mRNA, complete cds.
Cofano F., Moore S.K., Tanaka S., Yuhki N., Landolfo S., Appella E.;
J. Biol. Chem. 265:4064–4071(1990). J05265
- S.cerevisiae* ferrochelatase (HEM15) gene, complete cds, and Val-tRNA gene.
Labbe-Bois R.;
J. Biol. Chem. (In Press) J05395
- C.glabrata* metallothionein (MTII) gene, complete cds.
Mehra R.K., Garey J.R., Winge D.R.;
J. Biol. Chem. (In Press) J05398
- S.cerevisiae* arginyl-tRNA-protein transferase (ATE1) gene, complete cds.
Balzi E., Choder M., Chen W., Varshavsky A., Goffeau A.;
J. Biol. Chem. (In Press) J05404
- P.putida* putidaredoxin reductase (camA) and putidaredoxin (camB) genes, complete cds.
Peterson J.A., Lorence M.C., Amarneh B.;
J. Biol. Chem. (In Press) J05406
- S.mansoni* ATP:guanidino kinase (Smc74) mRNA, complete cds.
Stein L.D., Harn D.A., David J.R.;
J. Biol. Chem. (In Press) J05410
- S.cerevisiae* beta-mannosyltransferase (alg1) gene, complete cds.
Albright C.F., Robbins P.W.;
J. Biol. Chem. (In Press) J05416
- Human 1,3-galactosyltransferase pseudogene, 3' end.
Larsen R.D., Rivera-Marrero C.A., Ernst L.K., Cummings R.D., Lowe J.B.;
J. Biol. Chem. (In Press) J05421
- Human 3,4-catechol estrogen UDP-glucuronosyltransferase mRNA, complete cds.

- Ritter J.K., Sheen Y.Y., Owens I.S.;
J. Biol. Chem. (In Press) J05428
- Klebsiella pneumoniae ptsH gene for the protein kinase of the PEP:dependent carbohydrate phosphotransferase system (PTS)
Titgemeyer F., Eisermann R., Hengstenberg W., Lengeler J.W.;
Nucleic Acids Res. 18:1898–1898(1990). X51452
- Tomato H4-histone pseudogene
Kosciessa U., Doenecke D.;
Unpublished. X51409
- Synechocystis sp. Glu-tRNA.
O'Neill G., Peterson D., Schon A., Chen M.-W., Soll D.;
J. Bacteriol. (In Press) M19535
- Mouse interferon-gamma receptor mRNA, complete cds.
Kumar C.S., Muthukumar G., Frost L.J., Noe M., Ahn Y.H.,
Mariano T.M., Pestka S.;
J. Biol. Chem. 264:17939–17946(1989). M25764
- Mouse MHC class I regulatory element binding protein
(H-2RIIBP) mRNA, 3' end.
Hamada K., Gleason S.L., Levi B.-Z., Hirschfeld S., Appella E.,
Ozato K.;
Proc. Natl. Acad. Sci. U.S.A. 86:8289–8293(1989). M26804
- Mouse secretory granule proteoglycan peptide core gene, exons
1–3
Avraham S., Austen K.F., Nicodemus C.F., Gartner M.C.,
Stevens R.L.;
J. Biol. Chem. 264:16719–16726(1989). M27391–M27393
- M.auratus S-dihydroorotate amidohydrolase (DHOase) mRNA,
partial cds.
Simmer J.P., Kelly R.E., Rinker A.G.Jr., Zimmermann B.H.,
Scully J.L., Kim H., Evans D.R.;
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- Human jun-B gene, complete cds.
Schuette J., Viallet J., Nau M., Segal S., Fedorko J., Minna J.;
Cell 59:987–997(1989). M29039
- Human chromosome 9 with a translocation breakpoint.
Ohno H., Furukawa T., Fukuhara S., Zong S.Q., Kamesaki H.,
Shows T.B., Le Beau M.M., McKeithan T.W., Kawakami T.,
Honjo T.;
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- Human chromosomal translocation t(9;14).
Ohno H., Furukawa T., Fukuhara S., Zong S.Q., Kamesaki H.,
Shows T.B., Le Beau M.M., McKeithan T.W., Kawakami T.,
Honjo T.;
Proc. Natl. Acad. Sci. U.S.A. 87:628–632(1990). M30454
- Human chromosome 14 with a translocation breakpoint.
Ohno H., Furukawa T., Fukuhara S., Zong S.Q., Kamesaki H.,
Shows T.B., Le Beau M.M., McKeithan T.W., Kawakami T.,
Honjo T.;
Proc. Natl. Acad. Sci. U.S.A. 87:628–632(1990). M30455
- Mouse Ig rearranged H-chain mRNA V2-DFL16.1–J7 variable
region hybridoma DFL16.1, partial cds.
Dell C.L., Lu Y., Claflin J.L.;
J. Immunol. 143:3364–3370(1989). M30552
- Mouse Ig rearranged gamma-chain mRNA V-D-J variable region
hybridomas 221.2D10, 222.1D1, 250.3C3, 251.9C6, 251.13B2,
265.9G4, 285.2E2, partial cds.
- Dell C.L., Lu Y., Claflin J.L.;
J. Immunol. 143:3364–3370(1989). M30554–M30559, M30565
- Mouse Ig rearranged mu-chain mRNA V-D-J variable region
hybridomas 221.3G5, 265.13D10, 265.9F, 265.15D4, 265.15E8,
265.10B6, partial cds.
Dell C.L., Lu Y., Claflin J.L.;
J. Immunol. 143:3364–3370(1989). M30553, M30560–M30564
- Mouse Ig rearranged kappa-chain mRNA V8–J5-region,
hybridoma.
Dell C.L., Lu Y., Claflin J.L.;
J. Immunol. 143:3364–3370(1989). M30566
- Mouse Ig rearranged kappa-chain mRNA V8–J5-region,
hybridomas 221.3G5, 221.2D10, 221.1D1, 250.3C3, 251.9C9,
251.13B2, 265.abs, partial cds.
Dell C.L., Lu Y., Claflin J.L.;
J. Immunol. 143:3364–3370(1989). M30567–M30572, M30854
- S.cerevisiae cell polarity control protein (CDC43) gene, complete
cds.
Johnson D.I.;
Unpublished. M31114
- Human Ig H-chain MAL protein mRNA C-region subgroup alpha-
sub-one, 5' end.
Tsapis A., Bentaboulet M., Pellet P., Mihaesco E., Thierry D.,
Seligmann M., Brouet J.C.;
J. Immunol. 143:3821–3827(1989). M31607
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region, 5' end.
Tsapis A., Bentaboulet M., Pellet P., Mihaesco E., Thierry D.,
Seligmann M., Brouet J.C.;
J. Immunol. 143:3821–3827(1989). M31608
- Human Ig alpha-chain C-region and switch region.
Tsapis A., Bentaboulet M., Pellet P., Mihaesco E., Thierry D.,
Seligmann M., Brouet J.C.;
J. Immunol. 143:3821–3827(1989). M31609
- X.laevis A1 vitellogenin gene, 5' flank.
Tremea F., de Medeiros S.R., ten Heggeler-Bordier B., Germond
J.-E., Seiler-Tuyns A., Wahli W.;
Mol. Endocrinol. 3:1596–1609(1989). M31656
- Human corticosteroid binding globulin (CBG) gene, 5' flank.
Underhill D.A., Hammond G.L.;
Mol. Endocrinol. 3:1448–1454(1989). M31662
- Human inhibin beta-B-subunit gene, exons 1–2
Mason A.J., Berkemeier L.M., Schmelzer C.H., Schwall R.H.;
Mol. Endocrinol. 3:1352–1358(1989). M31668–M31669
- Rat insulin-like growth factor binding protein mRNA, complete
cds.
Margot J.B., Binkert C., Mary J.-L., Landwehr J., Heinrich G.,
Schwander J.;
Mol. Endocrinol. 3:1053–1060(1989). M31672
- Rat 17-alpha hydroxylase (CYP17) mRNA, complete cds.
Fevold H.R., Lorence M.C., McCarthy J.L., Trant J.M.,
Kagimoto M., Waterman M.R., Mason J.I.;
Mol. Endocrinol. 3:968–975(1989). M31681
- Human medium tumor antigen-associated 61-kD protein mRNA,
5' end.

Walter G., Ferre F., Espiritu O., Carbone-Wiley A.;
Proc. Natl. Acad. Sci. U.S.A. 86:8669–8672(1989). M31786

C.perfringens enterotoxin type A (cpe) gene, partial cds.
Hanna P.C., Wnek A.P., McClane B.A.;
J. Bacteriol. 171:6815–6820(1989). M31795

Cloning vector pHC624 reconstituted lacUV5 promoter.
Chan P.T., Lebowitz J.;
J. Biol. Chem. (In Press) M31882

Cloning vector pHC624 lacUV5 promoter carrying a single base
pair change ('t' to 'a') at the –10 region.
Chan P.T., Lebowitz J.;
J. Biol. Chem. (In Press) M31883

Human pseudo-ADP-ribosylation factor gene, complete cds.
Monaco L., Murtagh J.J., Newman K.B., Tsai S.-C., Moss J.,
Vaughan V.;
Unpublished. M31889

Human ADP-ribosylation factor gene, complete cds.
Monaco L., Murtagh J.J., Newman K.B., Tsai S.-C., Moss J.,
Vaughan V.;
Unpublished. M31890

Human MHC class I processed pseudo-leukocyte antigen (HLA-H)
gene, complete cds.
Chorney M.J., Sawada I., Gillespie G.A., Srivastava R., Pan J.,
Weissman S.M.;
Mol. Cell. Biol. 10:243–253(1990). M31944

Human H19 RNA gene, complete cds.
Brannan C.I., Dees E.C., Ingram R.S., Tilghman S.M.;
Mol. Cell. Biol. 10:28–36(1990). M32053

Mouse tyrosine kinase (ferT) mRNA, complete cds.
Fischman K., Edman J.C., Shackelford G.M., Turner J.A.,
Rutter W.J., Nir U.;
Mol. Cell. Biol. 10:146–153(1990). M32054

D.melanogaster actin 5C gene, exon 2 (5' end).
Chung Y.-T., Keller E.B.;
Mol. Cell. Biol. 10:206–216(1990). M32055

T.lanuginosus 25S rRNA gene fragment.
Walker K., Wong W.M., Nazar R.N.;
Mol. Cell. Biol. 10:377–381(1990). M32056

Mouse zinc finger protein (MOK2) mRNA, complete cds.
Ernault-Lange M., Kress M., Hamer D.;
Mol. Cell. Biol. 10:418–421(1990). M32057

Human Duchenne muscular dystrophy gene, exon 1.
Klamut H.J., Gangopadhyay S.B., Worton R.G., Ray P.N.;
Mol. Cell. Biol. 10:193–205(1990). M32058

Y.enterocolitica 5-enolpyruvylshikimate 3-phosphate synthase
(aroA) and 3-phosphoserine aminotransferase (serC) genes,
complete cds.
O'Gaora P., Maskell D., Coleman D., Cafferkey M., Dougan G.;
Gene 84:23–30(1989). M32213

S.typhimurium DNA 3' to the histidine transport operon.
Shyamala V., Ames G.F.-L.;
Gene 84:1–8(1989). M32273

Rat cytochrome P-450g mRNA, complete cds.
Yeowell H.N., McClellan-Green P.D., Negishi M., Goldstein

J.A.;
Biochemistry 29:713–718(1990). M32277

B.subtilis monofunctional chorismate mutase (aroH) gene,
complete cds.
Gray J.V., Golinelli-Pimpaneau B., Knowles J.R.;
Biochemistry 29:376–383(1990). M32278

E.coli glycinamide ribonucleotide synthetase (purD) gene,
complete cds.
Shen Y., Rudolph J., Stern M., Stubbe J., Flannigan K.A., Smith
J.M.;
Biochemistry 29:218–227(1990). M32279

Human interleukin-2 receptor beta chain gene.
Gnarra J.R., Otani H., Wang M.G., McBride O.W., Sharon M.,
Leonard W.J.;
Proc. Natl. Acad. Sci. U.S.A. (In Press) M32979

Human T-cell receptor beta chain gene variable region.
Wilson R.K., Lai E., Kim L.D.H., Hood L.;
Unpublished. M33233–M33236

Human coronavirus M protein mRNA, complete cds.
Jouvenne P., Richardson C.D., Schreiber S.S., Lai M.M.C.,
Talbot P.J.;
Virology 174:608–612(1990). M33560

Bacteriophage P4 complete DNA genome
Halling C., Calendar R., Christie G.E., Dale E.C., Finkel S.,
Flensburg J., Kahn M.L., Lane C.S., Lin C.S., Lindqvist B.H.,
Pierson L.S., Six E.W., Sunshine M.G., Ziermann R.;
Unpublished. X51522

Neurospora crassa acu-5 gene for acetyl-coenzyme A synthetase
(EC 6.2.1.1)
Connerton I.F., Fincham J.R.S., Sandeman R.A., Hynes M.J.;
Mol. Microbiol. 4:451–460(1990). X16989

Crayfish 14bp repetitive DNA sequence
Fuchs L.Y., Ovando C., Merino E., Joseph P., Soberon X.,
Charl J.L.;
Unpublished. X51433

Human mRNA for carboxypeptidase E (EC 3.4.17.10)
Manser E., Fernandez D., Loo L., Goh P.Y., Monfries C., Hall
C., Lim L.;
Biochem. J. (In Press) X51406

Yeast COXVII gene for cytochrome c oxidase subunit VII (EC
1.9.3.1)
McEwen J.E., Calder K.M.;
Unpublished. X51506

Caenorhabditis elegans DNA encoding U2–2 snRNA
Blumenthal T.;
Unpublished. X51374

Xenopus laevis mRNA for alpha-1 gap junction protein
Gimlich R.L., Kumar N.M., Gilula N.B.;
J. Cell Biol. (In Press) X17243

Xenopus laevis mRNA for alpha-2 gap junction protein
Gimlich R.L., Kumar N.M., Gilula N.B.;
J. Cell Biol. (In Press) X17242

Xenopus laevis XSODB gene for Cu,Zn superoxide dismutase (EC
1.15.1.1)
Carri M.T., Battistoni A., Mariottini P., Rotilio G.;
Unpublished. X51518