
New nucleotide sequence data on the EMBL File Server

August 27th to September 10th 1991

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, GenBank® and DDBJ, and data are supplied regularly by these groups. Updates to existing data are not reported here. This report has been prepared by the EMBL Data Library.

The EMBL File Server can be used by anyone who has access to electronic mail networks. Database entries can be retrieved by sending a mail message to the Internet address NetServ@EMBL-Heidelberg.DE containing the GET command. For example, to get the entry with the accession number X12399, the message should include the following line:

GET NUC:X12399

The requested file(s) will be returned automatically via electronic mail. More introductory documentation can be obtained by sending the command: HELP.

PRIMATES:

Human sequence tagged site 8IC8L DNA from 19q13
Butler R., Riley J.H., Ogilvie D.J., Anand R., Buxton J., Davies J., Johnson K., Markham A.F.;
Nucleic Acids Res. 19:4787-4787(1991). X57788

Human sequence tagged site 8IC8R DNA from 19q13
Butler R., Riley J.H., Ogilvie D.J., Anand R., Buxton J., Davies J., Johnson K., Markham A.F.;
Nucleic Acids Res. 19:4787-4787(1991). X57789

Human AK3 mRNA for adenylate kinase 3
Xu G., O'Connell P., Stevens J., White R.;
Unpublished. X60673

Human AK3 pseudogene
Xu G., O'Connell P., Stevens J., White R.;
Unpublished. X60674

Human aldehyde dehydrogenase type III (ALDHIII) mRNA, complete cds.
Schuurin E., Verhoeven E., Eckey R., Vos H., Michalides R.;
Unpublished. M74542

Human biliary glycoprotein mRNA, complete cds.
Kuroki M., Arakawa F., Matsuo Y., Oikawa S., Nakazato H., Matsuoka Y.;
Biochem. Biophys. Res. Commun. 176:578-585(1991). M72238

Human variable tandem repeat (VNTR) polymorphism DNA at the D4S43 locus
Horn G.T., McLatchey A.I., Richards B., Macdonald M.E., Gusella J.F.;
Nucleic Acids Res. 19:4772-4772(1991). X60679

Human mRNA for fibroblast growth receptor 1-Ig domain (secreted form)
Eisemann A., Ahn J.A., Graziani G., Tronick S.R., Ron D.;
Oncogene 6:1195-1202(1991). X57118

Human mRNA for fibroblast growth receptor 2-Ig domain
Eisemann A., Ahn J.A., Graziani G., Tronick S.R., Ron D.;
Oncogene 6:1195-1202(1991). X57122

Human mRNA for fibroblast growth receptor 2-Ig domain+2 AA insert
Eisemann A., Ahn J.A., Graziani G., Tronick S.R., Ron D.;
Oncogene 6:1195-1202(1991). X57119

Human mRNA for fibroblast growth receptor 3-Ig domain
Eisemann A., Ahn J.A., Graziani G., Tronick S.R., Ron D.;
Oncogene 6:1195-1202(1991). X57120

Human mRNA for fibroblast growth receptor 3-Ig domain+2 AA insert
Eisemann A., Ahn J.A., Graziani G., Tronick S.R., Ron D.;
Oncogene 6:1195-1202(1991). X57121

Human rapamycin-binding protein (FKBp-13) mRNA, complete cds.
Jin Y.J., Albers M.W., Lane W.S., Bierer B.E., Schreiber S.L., Burakoff S.J.;
Proc. Natl. Acad. Sci. U.S.A. 88:6677-6681(1991). M65128

H.sapiens granulin mRNA, complete cds.
Bhandari V., Palfree R.G., Bateman A.;
Unpublished. M75161

Human 5' regulatory region for HLA-DQ1.1 gene
Anderson L.C., Beaty J.S., Nettles J.W., Seyfried C.E., Nepom G.T., Nepom B.;
J. Exp. Med. 173:181-192(1991). X60276

Human 5' regulatory region for HLA-DQ1.2 gene
Anderson L.C., Beaty J.S., Nettles J.W., Seyfried C.E., Nepom G.T., Nepom B.;
J. Exp. Med. 173:181-192(1991). X60277

Human Krueppel-related zinc finger protein (H-plk) mRNA, complete cds.
Kato N., Shimotohno K., VanLeeuwen D., Cohen M.;
Mol. Cell. Biol. 10:4401-4405(1990). M55422

Human Immunoglobulin VH mRNA
Mortai F., Newton A.J., Wang J., Schroeder H.W.;
Unpublished. X61012-X61023

- Human immunoglobulin C(mu) and C(delta) heavy chain genes (constant regions)
Word C.J., White M.B., Kuziel W.A., Shen A.L., Blattner F.R., Tucker P.W.;
Int. Immunol. 1:296–309(1990). X57331
- Human mRNA for T-cell receptor V beta gene segment V-beta-w21.
Ferradini L., Roman-Roman S., Azocar J., Michalaki H., Triebel F., Hercend T.;
Eur. J. Immunol. 21:935–942(1991). X58796–X58797
- Human mRNA for T-cell receptor V beta gene segment V-beta-w22, clone IGRb03
Ferradini L., Roman-Roman S., Azocar J., Michalaki H., Triebel F., Hercend T.;
Eur. J. Immunol. 21:935–942(1991). X58798
- Human mRNA for T-cell receptor V beta gene segment V-beta-w23, clone IGRb04
Ferradini L., Roman-Roman S., Azocar J., Michalaki H., Triebel F., Hercend T.;
Eur. J. Immunol. 21:935–942(1991). X58799
- Human mRNA for T-cell receptor V beta gene segment V-beta-w24, clone IGRb05
Ferradini L., Roman-Roman S., Azocar J., Michalaki H., Triebel F., Hercend T.;
Eur. J. Immunol. 21:935–942(1991). X58800
- Human mRNA for T-cell receptor V beta gene segment V-beta-5.
Ferradini L., Roman-Roman S., Azocar J., Michalaki H., Triebel F., Hercend T.;
Eur. J. Immunol. 21:935–942(1991). X58801–X58804
- Human mRNA for T-cell receptor V beta gene segment V-beta-6.
Ferradini L., Roman-Roman S., Azocar J., Michalaki H., Triebel F., Hercend T.;
Eur. J. Immunol. 21:935–942(1991). X58805–X58807
- Human mRNA for T-cell receptor V beta gene segment V-beta-12, clone IGRb13
Ferradini L., Roman-Roman S., Azocar J., Michalaki H., Triebel F., Hercend T.;
Eur. J. Immunol. 21:935–942(1991). X58808
- Human mRNA for T-cell receptor V beta gene segment V-beta-13.
Ferradini L., Roman-Roman S., Azocar J., Michalaki H., Triebel F., Hercend T.;
Eur. J. Immunol. 21:935–942(1991). X58809–X58810
- Human mRNA for T-cell receptor V beta gene segment V-beta-7.
Ferradini L., Roman-Roman S., Azocar J., Michalaki H., Triebel F., Hercend T.;
Eur. J. Immunol. 21:935–942(1991). X58811–X58813
- Human mRNA for T-cell receptor V beta gene segment V-beta-9, clone IGRb20
Ferradini L., Roman-Roman S., Azocar J., Michalaki H., Triebel F., Hercend T.;
Eur. J. Immunol. 21:935–942(1991). X58814
- H.sapiens myeloblastin (MBN) mRNA, complete cds.
Labbaye C., Musette P., Cayre Y.E.;
Unpublished. M75154
- Human medium reiteration frequency repetitive sequence, MER12A DNA
Kaplan D.J., Jurka J., Solus J.F., Duncan C.H.;
Nucleic Acids Res. 19:4731–4738(1991). X59017
- Human medium reiteration frequency repetitive sequence, MER14A DNA
Kaplan D.J., Jurka J., Solus J.F., Duncan C.H.;
Nucleic Acids Res. 19:4731–4738(1991). X59018
- Human medium reiteration frequency repetitive sequence, MER15A DNA
Kaplan D.J., Jurka J., Solus J.F., Duncan C.H.;
Nucleic Acids Res. 19:4731–4738(1991). X59019
- Human medium reiteration frequency repetitive sequence, MER15B DNA
Kaplan D.J., Jurka J., Solus J.F., Duncan C.H.;
Nucleic Acids Res. 19:4731–4738(1991). X59021
- Human medium reiteration frequency repetitive sequence, MER16A DNA
Kaplan D.J., Jurka J., Solus J.F., Duncan C.H.;
Nucleic Acids Res. 19:4731–4738(1991). X59020
- Human medium reiteration frequency repetitive sequence, MER17A DNA
Kaplan D.J., Jurka J., Solus J.F., Duncan C.H.;
Nucleic Acids Res. 19:4731–4738(1991). X59022
- Human medium reiteration frequency repetitive sequence, MER18A DNA
Kaplan D.J., Jurka J., Solus J.F., Duncan C.H.;
Nucleic Acids Res. 19:4731–4738(1991). X59024
- Human medium reiteration frequency repetitive sequence, MER19A DNA
Kaplan D.J., Jurka J., Solus J.F., Duncan C.H.;
Nucleic Acids Res. 19:4731–4738(1991). X59023
- Human medium reiteration frequency repetitive sequence, MER20A DNA
Kaplan D.J., Jurka J., Solus J.F., Duncan C.H.;
Nucleic Acids Res. 19:4731–4738(1991). X59026
- Human medium reiteration frequency repetitive sequence, MER21A DNA
Kaplan D.J., Jurka J., Solus J.F., Duncan C.H.;
Nucleic Acids Res. 19:4731–4738(1991). X59025
- Human MHC class I HLA-B*1502 mRNA, complete cds.
Little A.M., Parham P.;
Unpublished. M75138
- Homo sapiens MHC class II HLA-DQ-beta-1 chain gene, first domain, exon 2.
Tautz C., Zwollo P., Marsh D.G., Baur X.;
Unpublished. M74842
- Human aromatase cytochrome P-450 (P-450-AROM), CYP19 gene from placenta and adipose exon II, complete.
Mahendroo M.S., Means G.D., Mendelson C.R., Simpson E.R.;
J. Biol. Chem. 266:11276–11281(1991). M74714

- Human phosphatidylcholine 2-acylhydrolase (cPLA2) mRNA, complete cds.
Sharp J.D., White D.L., Chiou X.G., Goodson T., Gamboa G.C., McClure D., Burgett S., Hoskins J., Skatrud P.L., Sportsman J.R., Becker G.W., Kang L.H., Roberts E.F., Kramer R.M.; *J. Biol. Chem.* 266:14850–14853(1991). M68874
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Colicelli J., Nicolette C., Birchmeier C., Rodgers L., Riggs M., Wigler M.; *Proc. Natl. Acad. Sci. U.S.A.* 88:2913–2917(1991). M37190–M37192
- H.sapiens sterol carrier protein 2 mRNA, complete cds.
He Z., Yamamoto R., Furth E.A., Schantz L.J., Naylor S.L., George H., Billheimer J.T., Strauss J.F.III.; *DNA Cell Biol.* (In Press) M75883
- H.sapiens sterol carrier protein 2 mRNA, complete cds.
He Z., Yamamoto R., Furth E.A., Schantz L.J., Naylor S.L., George H., Billheimer J.T., Strauss J.F.III.; *DNA Cell Biol.* (In Press) M75884
- Human sulfated glycoprotein-2 mRNA, 3'end.
Danik M., Chabot J.G., Mercier C., Benabid A.L., Chauvin C., Quirion R., Suh M.; *Proc. Natl. Acad. Sci. U.S.A.* (In Press) M74816
- Human TAN-1 mRNA (homologue of *Drosophila* Notch gene), 5' end.
Ellisen L.W., Bird J., West D.C., Soreng A.L., Reynolds T.C., Smith S., Sklar J.; *Cell* 66:649–661(1991). M73980
- H.sapiens epithelial tropomyosin (TM1) mRNA, complete cds.
Prasad G.L., Meissner S., Sheer D.G., Cooper H.L.; *Biochem. Biophys. Res. Commun.* 177:1068–1075(1991). M75165
- Human TNF locus STS DNA located at 6p21.3
Udalova I.A., Kuprash D.V., Turetskaya R.L., Nedospasov S.A.; *Nucleic Acids Res.* 19:4784–4784(1991). X58721
- Human mRNA for general transcription factor IIB
Ha I., Lane W.S., Reinberg D.; *Nature* 352:689–695(1991). X59268
- Human tropomyosin (TM-a) mRNA, complete cds.
Prasad G.L., Meissner S., Sheer D.G., Cooper H.L.; *Biochem. Biophys. Res. Commun.* 177:1068–1075(1991). M74817
- Human TTG-2 mRNA for a cysteine rich protein with LIM motif
Royer-Pokora B., Loos L.; Unpublished. X61118
- Human mRNA for mitochondrial 75 kDa iron sulphur protein
Chow W., Ragan I., Robinson B.H.; Unpublished. X61100
- RODENTS:**
- C.porcullus unr gene, partial CDS (co-expressed with N-ras)
Doniger J.; Unpublished. X60127
- Chinese hamster provirus gene, complete cds.
Dorner A.J., Bonneville F., Kriz R., Kelleher K., Bean K., Kaufman R.J.; *J. Virol.* 65:4713–4719(1991). M73970
- Mus musculus alpha-1 protease inhibitor 1 (alpha-1 PI-1) mRNA, complete cds.
Borriello F., Krauter K.S.; *Proc. Natl. Acad. Sci. U.S.A.* (In Press) M75721
- Mus musculus alpha-1 protease inhibitor 2 (alpha-1 PI-2) mRNA, 3' end.
Borriello F., Krauter K.S.; *Proc. Natl. Acad. Sci. U.S.A.* (In Press) M75716
- Mus musculus alpha-1 protease inhibitor 3 (alpha-1 PI-3) mRNA, complete cds.
Borriello F., Krauter K.S.; *Proc. Natl. Acad. Sci. U.S.A.* (In Press) M75720
- Mus musculus alpha-1 protease inhibitor 4 (alpha-1 PI-4) mRNA, complete cds.
Borriello F., Krauter K.S.; *Proc. Natl. Acad. Sci. U.S.A.* (In Press) M75718
- Mus musculus alpha-1 protease inhibitor 5 (alpha-1 PI-5) mRNA, complete cds.
Borriello F., Krauter K.S.; *Proc. Natl. Acad. Sci. U.S.A.* (In Press) M75717
- Mouse AtT-1 mRNA for a serine protease
Nakayama K., Hosaka M., Hatsuzawa K., Murakami K.; *J. Biochem.* 109:803–806(1991). X57088
- Mouse bek genomic RNA for FGF-receptor
Raz V., Kelman Z., Avivi A., Neufeld G., Givol D., Yarden Y.; *Oncogene* 6:753–760(1991). X55441
- Mouse mRNA for carboxypeptidase H
Parkinson D.; Unpublished. X61232
- M.musculus mRNA for cytochrome c oxidase subunit VIIa
Starborg M., Hoog C.; Unpublished. X58486
- Mouse gene for pro alpha1 (I) collagen chain (COL1A1), partial
Metsaeranta M., Toman D., de Crombrughe B., Vuorio E.; *Biochim. Biophys. Acta* 1089:241–243(1991). X57981
- Mouse gene for pro alpha1 (IX) collagen chain (COL9A1), partial
Metsaeranta M., Toman D., de Crombrughe B., Vuorio E.; *Biochim. Biophys. Acta* 1089:241–243(1991). X57984
- Mouse delta transcription factor mRNA, complete cds.
Hariharan N., Kelley D.E., Perry R.P.; *Proc. Natl. Acad. Sci. U.S.A.* (In Press) M74590
- Mouse DNA sequence.
Birshtein B.K., Liao F., Giannini S.L.; Unpublished. M76404–M76405
- Mouse E46 mRNA for E46 protein
Kato K.; Unpublished. X61506
- Mouse Fli-1 mRNA for retroviral integration site
Ben-David Y., Giddens E.B., Letwin K., Bernstein A.; *Genes Dev.* 5:908–918(1991). X59421
- Murine HOX 2.2 mRNA for a homeobox protein
Shen W.F., Detmer K., Simonitch-Eason T.A., Lawrence H.J., Largman C.; *Nucleic Acids Res.* 19:539–545(1991). X56459

Murine Hox2.2 gene for a homeobox protein, intron 1
Shen W.F., Detmer K., Simonitch-Eason T.A., Lawrence H.J.,
Largman C.;
Nucleic Acids Res. 19:539–545(1991). X56460

Murine Hox2.2 mRNA for a homeobox protein
Shen W.F., Detmer K., Simonitch-Eason T.A., Lawrence H.J.,
Largman C.;
Nucleic Acids Res. 19:539–545(1991). X56461

Mouse mRNA for neural cell adhesion molecule N-CAM muscle-
specific domain
Hamshere M., Dickson G., Eperon I.;
Nucleic Acids Res. 19:4709–4716(1991). X59306

M. musculus p53 gene for p53 protein, intron 4
Beenken S.W., Karsenty G., Raycroft L., Lozano G.;
Nucleic Acids Res. 19:4747–4752(1991). X60470

Mouse progesterone receptor (PR) mRNA, complete cds.
Schott D.R., Shyamala G., Schneider W., Parry G.;
Biochemistry 30:7014–7020(1991). M68915

Mouse expressed sequence tag (EST) mRNA Tsg154x
Hoog C.;
Unpublished. X61809

Mouse mRNA for T-cell specific transcription factor
Oosterwegel M.A., Clevers H.;
J. Exp. Med. 173:1133–1142(1991). X61385

Mouse expressed sequence tag (EST) mRNAs
Hoog C.;
Unpublished. X61801–X61808, X61810–X61854, X61856–X61899

Mouse ubf gene for transcription factor UBF
Hisatake K., Nishimura T., Maeda Y., Hanada K.I., Song C.Z.,
Muramatsu M.;
Nucleic Acids Res. 19:4631–4637(1991). X60831

Rat HKA gene (exons 1–3) for H+/K+-ATPase alpha subunit
Oshiman K.I., Motajima K., Mahmood S., Shimada A., Tamura
S., Maeda M., Futai M.;
FEBS Lett. 28:250–254(1991). X61933

Rat HKA gene (exons 6) for H+/K+-ATPase alpha subunit
Oshiman K.I., Motajima K., Mahmood S., Shimada A., Tamura
S., Maeda M., Futai M.;
FEBS Lett. 28:250–254(1991). X61934

Rat HKA gene (exons 9–10) for H+/K+-ATPase alpha subunit
Oshiman K.I., Motajima K., Mahmood S., Shimada A., Tamura
S., Maeda M., Futai M.;
FEBS Lett. 28:250–254(1991). X61935

R. norvegicus ras p21-like small GTP-binding protein (24KG)
mRNA, complete cds.
Sakurada K., Uchida K., Yamaguchi K., Aisaka K., Ito S.,
Ohmori T., Takeyama Y., Ueda T., Hori Y., Ohyanagi H., Saitoh
Y., Kaibuchi K., Takai Y.;
Biochem. Biophys. Res. Commun. 177:1224–1232(1991). M75153

Rat mRNA for MHC class II antigen RT1.B-1 beta-chain
Syha-Jedelhauser J., Wendling U., Reske K.;
Biochim. Biophys. Acta 1089:414–416(1991). X56596

Rat thyroid peroxidase (TPO) promoter DNA
Francis-Lang H., Price M., Polycarlow-Schwarz M., Di Lauro R.;
Unpublished. X61170

Rat mRNA for CSF-1 receptor
Botiycki A.G., Guillier M., Leibovitch M.P., Leibovitch S.A.;
Unpublished. X61479

OTHER MAMMALS:

B. taurus kappa-casein gene, exon 1.
Groenen M., Dijkhof R., Spira C., der Poel J.J.;
Unpublished. M75887

B. taurus beta-casein gene, exon 1.
Groenen M., Dijkhof R., Spira C., der Poel J.J.;
Unpublished. M75888

Bovine GST mRNA for glutathione S-transferase, class-pi
Hernando N., Martin-Alonso J.M., Ghosh S., Coca-Prados M.;
Unpublished. X61233

Rabbit H-ras proto-oncogene, exons 1–4.
Corominas M., Leon J., Kamino H., Cruz-Alvarez M., Novick
S.C., Pellicer A.;
Oncogene 6:645–651(1991). X57123–X57126

Rabbit immunoglobulin lambda light chain mRNA, isotype c7
Hayzer D.J., Young-Cooper G.O., Mage R.G., Jatton J.C.;
Eur. J. Immunol. 20:2707–2712(1990). X57729

Pig HKA gene intron 1 for H+/K+-ATPase alpha subunit
Oshiman K.I., Motajima K., Mahmood S., Shimada A., Tamura
S., Maeda M., Futai M.;
FEBS Lett. 28:250–254(1991). X61436

Pig HKA gene intron 2 for H+/K+-ATPase alpha subunit
Oshiman K.I., Motajima K., Mahmood S., Shimada A., Tamura
S., Maeda M., Futai M.;
FEBS Lett. 28:250–254(1991). X61437

OTHER VERTEBRATES:

Chicken embryo kinase 5 protein (CEK 5) mRNA, complete cds.
Pasquale E.B.;
Cell Regul. 2:523–534(1991). M62325

Xenopus laevis myb-related protein 1 (myb1) mRNA, complete
cds.
Bouwmeester T., Guehmann S., El-Baradi T., Kalkbrenner F.,
Wijk D., Moelling K., Pieler T.;
Unpublished. M75870

Xenopus laevis myb-related protein 2 (myb2) mRNA, 5' end.
Bouwmeester T., Guehmann S., El-Baradi T., Kalkbrenner F.,
Wijk D., Moelling K., Pieler T.;
Unpublished. M75871

X. laevis mRNA for YB3 protein
Cohen I., Reynolds W.F.;
Nucleic Acids Res. 19:4753–4759(1991). X60217

INVERTEBRATES:

Aedes albopictus gene for 18s rRNA
Baldrige G.D., Fallon A.M.;
Biochim. Biophys. Acta 1089:396–400(1991). X57172

B. glabrata 'Line-like' repeat
Knight M., Miller A., Raghavan N., Richards C., Lewis F.;
Unpublished. X60372

- B.pahangi gene (exons 1 & 2) for beta-tubulin
Guenette S., Prichard R.K., Matlashewski G.;
Unpublished. X56229
- C.elegans met-I mRNA for metallothionein-I
Imagawa M., Onozawa T., Okumura K., Osada S., Nishihara T.,
Kondo M.;
Biochem. J. 268:237–240(1990). X53244
- C.elegans met-II mRNA for metallothionein-II
Imagawa M., Onozawa T., Okumura K., Osada S., Nishihara T.,
Kondo M.;
Biochem. J. 268:237–240(1990). X53245
- D.discoideum mRNA for coronin
De Hostos E.L., Bradtke B., Lottspeich F., Gerisch G.;
Unpublished. X61480
- Dictyostelium discoideum mRNA for cytochrome c oxidase subunit
VI (EC 1.9.3.1)
Rizzuto R., Sandona D., Capaldi R.A., Bisson R.;
Biochim. Biophys. Acta 1089:386–388(1991). X55672
- Drosophila hydei DNA for histones H1, H3, H4, H2a and H2b
Strausbaugh L.D., Fitch D.H.A., Barrett V.;
Unpublished. X52576
- D. melanogaster gene for the bride of sevenless protein
Hart A.C., Kraemer H., Van Vactor D.L., Paidhungat M.,
Zipursky S.L.;
Genes Dev. 4:1835–1847(1990). X55887
- D. melanogaster shibire mRNA for dynamnin-like protein
Van der Bliek A.M.;
Nature 351:411–414(1991). X59435
- D.melanogaster kinesin-like protein (KLP2) gene, partial cds.
Stewart R.J., Pesavento P.A., Woerpel D.N., Goldstein L.S.;
Proc. Natl. Acad. Sci. U.S.A. (In Press) M74428
- D.melanogaster kinesin-like protein (KLP3) gene, partial cds.
Stewart R.J., Pesavento P.A., Woerpel D.N., Goldstein L.S.;
Proc. Natl. Acad. Sci. U.S.A. (In Press) M74429
- D.melanogaster kinesin-like protein (KLP4) gene, partial cds.
Stewart R.J., Pesavento P.A., Woerpel D.N., Goldstein L.S.;
Proc. Natl. Acad. Sci. U.S.A. (In Press) M74430
- D.melanogaster kinesin-like protein (KLP5) gene, partial cds.
Stewart R.J., Pesavento P.A., Woerpel D.N., Goldstein L.S.;
Proc. Natl. Acad. Sci. U.S.A. (In Press) M74431
- D.melanogaster kinesin-like protein (KLP6) gene, partial cds.
Stewart R.J., Pesavento P.A., Woerpel D.N., Goldstein L.S.;
Proc. Natl. Acad. Sci. U.S.A. (In Press) M74432
- D.melanogaster nanos gene, complete cds.
Wang C.I., Lehmann R.;
Cell 66:637–647(1991). M72421
- D. melanogaster shibire mRNA for dynamnin-like protein, alternate
3' exon
Van der Bliek A.M.;
Nature 351:411–414(1991). X59436
- E.histolytica gene for 170 kDa surface lectin
Tannich E., Nickel R., Ebert F., Horstmann R.D.;
Unpublished. X61003
- H.americanus mRNA for hyperglycemic hormone B
Tensen C.P., de Kleijn D.P.V., Van Herp F.;
Eur. J. Biochem. 200:103–106(1991). X54842
- H.americanus mRNA for hyperglycemic hormone A
Tensen C.P., de Kleijn D.P.V., Van Herp F.;
Eur. J. Biochem. 200:103–106(1991). X54843
- Hydra N-COL 1 mRNA for mini-collagen
Kurz E.M., Holstein T.W., Petri B.M., Engel J., David C.N.;
Unpublished. X61045
- Hydra N-COL 2 mRNA for mini-collagen, partial cds
Kurz E.M., Holstein T.W., Petri B.M., Engel J., David C.N.;
Unpublished. X61046
- Hydra N-COL 3 mRNA for mini-collagen
Kurz E.M., Holstein T.W., Petri B.M., Engel J., David C.N.;
Unpublished. X61047
- Hydra N-COL 4 mRNA for mini-collagen
Kurz E.M., Holstein T.W., Petri B.M., Engel J., David C.N.;
Unpublished. X61048
- H.vulgaris Na,K-ATPase alpha subunit mRNA, complete cds.
Canfield V.A., Xu K.Y., D'Aquila T., Shyjan A.W., Levenson
R.;
Unpublished. M75140
- L.donovani infantum H2A mRNA for histone H2A
Soto M., Requena J.M., Jimenez-Ruiz A., Alonso C.;
Nucleic Acids Res. 19:4554–4554(1991). X60054
- Squid 60 kDa neurofilament protein (NF60) mRNA, complete cds.
Szaro B.G., Pant H.C., Way J., Battery J.;
J. Biol. Chem. 266:15035–15041(1991). M64717
- Squid 70 kDa neurofilament protein (NF70) mRNA, complete cds.
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gene.

Nazaret S., Cournoyer B., Normand P., Simonet P.;

J. Bacteriol. 173:4072–4078(1991). M74477

Frankia (strain infective on *Alnus viridis*) 16S ribosomal RNA
gene.

Nazaret S., Cournoyer B., Normand P., Simonet P.;

J. Bacteriol. 173:4072–4078(1991). M74478

Frankia (strain infective on *Elaeagnus angustifolia* and *Hippophae
rhamnoides*) 16S ribosomal RNA gene.

Nazaret S., Cournoyer B., Normand P., Simonet P.;

J. Bacteriol. 173:4072–4078(1991). M74479

Frankia (strain infective on *Colletia spinosissima*) 16S ribosomal
RNA gene.

Nazaret S., Cournoyer B., Normand P., Simonet P.;

J. Bacteriol. 173:4072–4078(1991). M74480

Frankia (strain infective on *Elaeagnus umbellata*) 16S ribosomal
RNA gene.

Nazaret S., Cournoyer B., Normand P., Simonet P.;

J. Bacteriol. 173:4072–4078(1991). M74481

Frankia (strain infective on *Hippophae rhamnoides*) 16S ribosomal
RNA gene.

Nazaret S., Cournoyer B., Normand P., Simonet P.;

J. Bacteriol. 173:4072–4078(1991). M74482

Frankia (strain infective on *Hippophae rhamnoides*) 16S ribosomal
RNA gene.

Nazaret S., Cournoyer B., Normand P., Simonet P.;

J. Bacteriol. 173:4072–4078(1991). M74483

G. obscuriglobus 16S small subunit rRNA gene

Moyer C.L., Giovannoni S.J.;

Unpublished. X54522

H. giganteus hgiCIIM and hgiCIIR genes for methyltransferase and
restriction endonuclease

Kroeger M.;

Unpublished. X55139

H. giganteus hgiCIM and hgiCIR genes for methyltransferase and
restriction endonuclease

Kroeger M.;

Unpublished. X55138

H. giganteus DIIM gene for methyltransferase

Kroeger M.;

Unpublished. X55141

H. giganteus EIM and EIR genes for methyltransferase and
restriction endonuclease

Kroeger M.;

Unpublished. X55142

H. giganteus hgiGIM and hgiGIR genes for methyltransferase
(partial) and restriction endonuclease (partial)

Kroeger M.;

Unpublished. X55143

H. giganteus type II restriction-modification system HgiBI

Duesterhoeft A., Erdmann D., Kroeger M.;

Nucleic Acids Res. 19:3207–3211(1991). X55137

L. acidophilus 16S rRNA gene

Collins M.D., Martinez-Murcia A.J.;

FEMS Microbiol. Lett. 77:5–12(1991). X61138

L. animalis 16S rRNA gene

Collins M.D., Martinez-Murcia A.J.;

FEMS Microbiol. Lett. 77:5–12(1991). X61133

L. brevis 16S rRNA gene

Collins M.D., Martinez-Murcia A.J.;

FEMS Microbiol. Lett. 77:5–12(1991). X61134

- L.buchneri* 16S rRNA gene
Collins M.D., Martinez-Murcia A.J.;
FEMS Microbiol. Lett. 77:5–12(1991). X61139
- Legionella bozemanii* 16S rRNA gene sequence.
Fry N.K., Warwick S., Saunders N.A., Embley M.T.;
J. Gen. Microbiol. 137:1215–1222(1991). M36031
- L.casei* 16S rRNA gene
Collins M.D., Martinez-Murcia A.J.;
FEMS Microbiol. Lett. 77:5–12(1991). X61135
- Legionella erythra* 16S rRNA gene sequence.
Fry N.K., Warwick S., Saunders N.A., Embley M.T.;
J. Gen. Microbiol. 137:1215–1222(1991). M36027
- L.fermentum* 16S rRNA gene
Collins M.D., Martinez-Murcia A.J.;
FEMS Microbiol. Lett. 77:5–12(1991). X61142
- L.fructosus* 16S rRNA gene
Collins M.D., Martinez-Murcia A.J.;
FEMS Microbiol. Lett. 77:5–12(1991). X61140
- L.gasseri* 16S rRNA gene
Collins M.D., Martinez-Murcia A.J.;
FEMS Microbiol. Lett. 77:5–12(1991). X61137
- L.helveticus* 16S rRNA gene
Collins M.D., Martinez-Murcia A.J.;
FEMS Microbiol. Lett. 77:5–12(1991). X61141
- Legionella hackeliae* 16S rRNA gene sequence.
Fry N.K., Warwick S., Saunders N.A., Embley M.T.;
J. Gen. Microbiol. 137:1215–1222(1991). M36028
- L.illini* 5S ribosomal RNA gene A.
Fukunaga M., Horie I., Mifuchi I., Takemoto M.;
J. Gen. Microbiol. 137:1523–1528(1991). D90253
- Legionella longbeachae* 16S rRNA gene sequence.
Fry N.K., Warwick S., Saunders N.A., Embley M.T.;
J. Gen. Microbiol. 137:1215–1222(1991). M36029
- Legionella micdadei* 16S gene sequence, mRNA.
Fry N.K., Warwick S., Saunders N.A., Embley M.T.;
J. Gen. Microbiol. 137:1215–1222(1991). M36032
- L.oris* 16S rRNA gene
Collins M.D., Martinez-Murcia A.J.;
FEMS Microbiol. Lett. 77:5–12(1991). X61131
- Legionella pneumophila* htp heat shock operon HtpA (htpA), complete cds.
Hoffman P.S., Houston L., Butler C.A.;
Infect. Immun. 58:3380–3387(1990). M31917
- Legionella pneumophila* htp heat shock operon HtpB (hptB gene), complete cds.
Hoffman P.S., Houston L., Butler C.A.;
Infect. Immun. 58:3380–3387(1990). M31918
- L.pneumophila* (strain Chicago-2) 16S rRNA, partial, segments 1 to 3.
Fox K., Brown A.;
Syst. Appl. Microbiol. (In Press) M19448,M19442,M22264
- L.pneumophila* (strain Dallas-1E" subspecies uncertain) 16S rRNA, partial, segments 1 to 3.
Fox K., Brown A.;
Syst. Appl. Microbiol. (In Press) M19452,M19447,M22265
- L.pneumophila* (strain Philadelphia-1) 16S rRNA, partial, segments 1 to 3.
Fox K., Brown A.;
Syst. Appl. Microbiol. (In Press) M19450,M19444,M22266
- Legionellaceae pneumophila 16S rRNA gene sequence.
Fry N.K., Warwick S., Saunders N.A., Embley M.T.;
J. Gen. Microbiol. 137:1215–1222(1991). M36023–M36026
- L.sanfrancisco* 16S rRNA gene
Collins M.D., Martinez-Murcia A.J.;
FEMS Microbiol. Lett. 77:5–12(1991). X61132
- Legionella spiritensis* 16S rRNA gene sequence.
Fry N.K., Warwick S., Saunders N.A., Embley M.T.;
J. Gen. Microbiol. 137:1215–1222(1991). M36030
- L.vaginalis* 16S rRNA gene
Collins M.D., Martinez-Murcia A.J.;
FEMS Microbiol. Lett. 77:5–12(1991). X61136
- M.bovis* insertion sequence IS1081
Collins D.M., Stephans D.M.;
Unpublished. X61270
- Mycobacterium leprae* 16S rRNA gene, 5' end.
Sela S., Clark-Curtiss J.E.;
Gene 98:123–127(1991). M58020
- M.paratuberculosis* gene for 70 kD heat shock protein
Stevenson K., Inglis N.F., Rae B., Donachie W., Sharp J.M.;
Nucleic Acids Res. 19:4552–4552(1991). X59437
- M.thermoautotrophicum* trpE, trpG, trpC, trpF, trpB, trpA, trpD genes, complete cds.
Meile L., Stettler R., Kotik M., Leisinger T.;
J. Bacteriol. 173:5017–5023(1991). M65060
- Methanococcus voltae* frcA, frcB, frcG genes for subunits of F420-reducing hydrogenase and frcD orf
Halboth S., Klein A.;
Unpublished. X61201
- Methanococcus voltae* fruA, fruB, fruG genes for subunits of F420-reducing hydrogenase and fruD orf
Halboth S., Klein A.;
Unpublished. X61202
- Methanococcus voltae* vhcG, vhcA genes for subunits of methylviologen-reducing hydrogenase, vhcB gene for polyferredoxin and vhcD orf
Halboth S., Klein A.;
Unpublished. X61203
- Oscillatoria* sp. 16S rRNA gene
Wilmotte A.M.R., Turner S., Pace N.;
Unpublished. X58359–X58361
- Proteobacterium* 16S ribosomal RNA.
Schmidt T.M., DeLong E.F., Pace N.R.;
J. Bacteriol. (In Press)
M64523–M64525,M64527–M64530,M64532–M64534

- Proteus vulgaris* 16S rRNA gene
Stackebrandt E.;
Unpublished. X07652
- R.leguminosarum* 16S ribosomal RNA gene, partial.
Segovia L., Pinero D., Palacios R., Martinez-Romero E.;
Appl. Environ. Microbiol. 57:426–433(1991). M63183
- Streptovorticillium abikoense* partial 16S rRNA
Witt D., Stackebrandt E., Kemmerling C., Kroppenstedt R.,
Liesack W.;
Appl. Environ. Microbiol. 57:1468–1477(1991). X53168
- Streptococcus agalactiae* Bag gene for B antigen
Jerlstroem P.G., Chhatwal G.S., Timmis K.N.;
Mol. Microbiol. 5:843–849(1991). X59771
- Staphylococcus aureus* blaZ gene, 5' end; blaR1 gene, complete
cds; blaI gene, complete cds; and binR gene, 5' end.
Wang P.Z., Projan S.J., Novick R.P.;
Nucleic Acids Res. 19:4000–4000(1991). M62650
- Streptomyces albus* partial 16S rRNA
Witt D., Stackebrandt E., Kemmerling C., Kroppenstedt R.,
Liesack W.;
Appl. Environ. Microbiol. 57:1468–1477(1991). X53163
- Staphylococcus aureus* peptidoglycan hydrolase gene, complete cds.
Wang X., Wilkinson B.J., Jayaswal R.K.;
Gene 102:105–109(1991). M76714
- Spirochaeta aurantia* 16S rRNA.
Stanton T.B., Jensen N.S., Casey T.A., Tordoff L.A., Dewhurst
F.E., Paster B.J.;
Int. J. Syst. Bacteriol. (In Press) M57740
- Staphylococcus aureus* spa gene for protein A
Barbancon V., Prevost G., Mazurier I., Piemont Y.;
Unpublished. X61307
- Streptovorticillium baldacii* partial 16S rRNA
Witt D., Stackebrandt E., Kemmerling C., Kroppenstedt R.,
Liesack W.;
Appl. Environ. Microbiol. 57:1468–1477(1991). X53164
- Streptomyces brasiliensis* partial 16S rRNA
Witt D., Stackebrandt E., Kemmerling C., Kroppenstedt R.,
Liesack W.;
Appl. Environ. Microbiol. 57:1468–1477(1991). X53162
- S.coelicolor* rRNA 16S gene
Van Wezel G.P., Vijgenboom E., Bosch L.;
Nucleic Acids Res. 19:4399–4403(1991). X60514
- Streptovorticillium cinnamoneum* spp. cinnamoneum partial 16S
rRNA
Witt D., Stackebrandt E., Kemmerling C., Kroppenstedt R.,
Liesack W.;
Appl. Environ. Microbiol. 57:1468–1477(1991). X53171
- Streptovorticillium cinnamoneum* spp. azacolutum partial 16S rRNA
Witt D., Stackebrandt E., Kemmerling C., Kroppenstedt R.,
Liesack W.;
Appl. Environ. Microbiol. 57:1468–1477(1991). X53165
- Streptomyces fradiae* tylosin resistance protein (tlrC) gene, complete
cds.
Rosteck P.R.Jr., Reynolds P.A., Hershberger C.L.;
Gene 102:27–32(1991). M57437
- S.griseus* genes for 16S rRNA, 23S rRNA & 5S rRNA
Kim E., Kim H., Kang K., Kho Y., Park Y.H.;
Nucleic Acids Res. 19:1149–1149(1991). X61478
- Streptomyces griseus* macrotetrolide antibiotic-resistance protein
(nonR) gene, complete cds.
Plater R., Robinson J.A.;
Unpublished. M75853
- Streptovorticillium ladakanum* var. ladakanum partial 16S rRNA
Witt D., Stackebrandt E., Kemmerling C., Kroppenstedt R.,
Liesack W.;
Appl. Environ. Microbiol. 57:1468–1477(1991). X53167
- Streptomyces lavendulae* partial 16S rRNA
Witt D., Stackebrandt E., Kemmerling C., Kroppenstedt R.,
Liesack W.;
Appl. Environ. Microbiol. 57:1468–1477(1991). X53173
- Streptovorticillium luteoreticuli* partial 16S rRNA
Witt D., Stackebrandt E., Kemmerling C., Kroppenstedt R.,
Liesack W.;
Appl. Environ. Microbiol. 57:1468–1477(1991). X53172
- Streptovorticillium olivoreticuli* ssp. cellulophilum partial 16S rRNA
Witt D., Stackebrandt E., Kemmerling C., Kroppenstedt R.,
Liesack W.;
Appl. Environ. Microbiol. 57:1468–1477(1991). X53166
- S.platensis* 3-isopropylmalate dehydrogenase (leuB) gene, 5' end.
Bini F., De Rossi E., Barbierato L., Riccardi G.;
Unpublished. M75903
- Spirulina platensis* acetohydroxy acid synthase (ilvX), partial cds.
Milano A., Riccardi G., De Rossi E., Zanaria E., Barbierato L.,
Ciferri O.;
Unpublished. M75906
- Spirulina platensis* acetohydroxy acid synthase (ilvY), 5' end.
Milano A., Riccardi G., De Rossi E., Zanaria E., Barbierato L.,
Ciferri O.;
Unpublished. M75907
- Streptomyces purpureus* partial 16S rRNA
Witt D., Stackebrandt E., Kemmerling C., Kroppenstedt R.,
Liesack W.;
Appl. Environ. Microbiol. 57:1468–1477(1991). X53170
- Streptovorticillium salmonis* partial 16S rRNA
Witt D., Stackebrandt E., Kemmerling C., Kroppenstedt R.,
Liesack W.;
Appl. Environ. Microbiol. 57:1468–1477(1991). X53169
- Salmonella typhimurium* crr gene for III(Glc) of PEP:glucose
phosphotransferase system
Nelson S.O., Schuitema A.R., Benne R., Der Ploeg L.H., Plijter
J.S., Aan F., Postma P.W.;
EMBO J. 3:1587–1593(1991). X05210
- S.typhimurium* cysZ, cysK, ptsH, and ptsI genes, complete cds.
Byrne C.R., Monroe R.S., Ward K.A., Kredich N.M.;
J. Bacteriol. 170:3150–3157(1991). M21450
- S.typhimurium* enzyme I (ptsI) gene, complete cds.
Nelson S.O., Schuitema A.R., Benne R., Der Ploeg L.H., Plijter
J.S., Aan F., Postma P.W.;
EMBO J. 3:1587–1593(1991). M76176

Salmonella typhimurium parC and parF genes, complete cds.
Luttinger A.L., Springer A.L., Schmid M.B.;
New Biol. 3:687–697(1991). M68936

T.micdadei (strain TATLOCK) 16S rRNA, partial, segments 1 to 3.
Fox K., Brown A.;
Syst. Appl. Microbiol. (In Press) M19443,M19449,M22261

T.micdadei (strain Pgh-12) 16S rRNA, partial, segments 1 to 3.
Fox K., Brown A.;
Syst. Appl. Microbiol. (In Press) M22262,M19446,M22263

Treponema phagedenis 16S rRNA.
Stanton T.B., Jensen N.S., Casey T.A., Tordoff L.A., Dewhirst
F.E., Paster B.J.;
Int. J. Syst. Bacteriol. (In Press) M57739

Treponema bryantii 16S rRNA.
Stanton T.B., Jensen N.S., Casey T.A., Tordoff L.A., Dewhirst
F.E., Paster B.J.;
Int. J. Syst. Bacteriol. (In Press) M57737

Treponema succinifaciens 16S rRNA.
Stanton T.B., Jensen N.S., Casey T.A., Tordoff L.A., Dewhirst
F.E., Paster B.J.;
Int. J. Syst. Bacteriol. (In Press) M57738

Thermus thermophilus thermostable DNA ligase gene, complete
cds.
Barany F., Gelfand D.;
Gene (In Press) M74792

Thermus thermophilus DNA ligase gene, complete cds.
Lauer G., Rudd E.A., McKay D.L., Ally A., Ally D., Backman
K.C.;
J. Bacteriol. 173:5047–5053(1991). M36417

T.thermophilus rnhA gene for ribonuclease H
Itaya M., Kondo K.;
Nucleic Acids Res. 19:4443–4449(1991). X60507

Rhizobium fredii 16S ribosomal RNA gene, partial.
Jarvis B.D., Downer H.L., Young J.P.;
Unpublished. M74163

Vibrio alginolyticus enzyme II-sucrose protein (scrA) gene and
fructokinase (scrK) gene, complete cds.
Blatch G.L., Scholle R.R., Woods D.R.;
Gene 95:17–23(1990). M76768

V.cholerae recA gene
Ghosh S.K., Biswas S.K., Paul K., Das J.;
Unpublished. X61384

V.eltor sulA gene for SulA protein
Biswas S.K., Paul K., Das J.;
Unpublished. X61383

Yersinia enterocolitica ysc operon involved in the secretion of Yop
proteins.
Michiels T., Vanooteghem J.C., de Rouvroit C., China B., Gustin
A., Boudry P., Cornelis G.R.;
J. Bacteriol. 173:4994–5009(1991). M74011

Zymomonas mobilis eda gene for
2-keto-3-deoxy-6-phosphogluconate aldolase
Conway T., Fliege R., Jones-Kilpatrick D., Liu J., Barnell W.O.,
Egan S.E.;
Unpublished. X58364

VIRUSES:

Epizootic haemorrhagic disease virus VP3 protein large segment
(L3) RNA, complete cds.
Blois H.L., Fayard B., Urakawa T., Roy P.;
J. Virol. 65:4821–4831(1991). M76616

Influenza virus type A A/Alabama/1/81 (H3N2), hemagglutinin,
RNA, partial cds.
Palese P., Li X., Leiter J., Fitch W.;
Proc. Natl. Acad. Sci. U.S.A. 88:4270–4274(1991). M57630

Influenza virus type A A/HT/24269/85 (H3N2), hemagglutinin,
RNA, partial cds.
Palese P., Li X., Leiter J., Fitch W.;
Proc. Natl. Acad. Sci. U.S.A. 88:4270–4274(1991). M57631

Influenza virus type A A/Equador/4/86 (H3N2), hemagglutinin,
RNA, partial cds.
Palese P., Li X., Leiter J., Fitch W.;
Proc. Natl. Acad. Sci. U.S.A. 88:4270–4274(1991). M57632

Influenza virus type A A/Wyoming/3/87 (H3N2), hemagglutinin,
RNA, partial cds.
Palese P., Li X., Leiter J., Fitch W.;
Proc. Natl. Acad. Sci. U.S.A. 88:4270–4274(1991). M57644

Influenza virus type A A/Equador/4/86 (H3N2), hemagglutinin,
RNA, partial cds.
Palese P., Li X., Leiter J., Fitch W.;
Proc. Natl. Acad. Sci. U.S.A. 88:4270–4274(1991). M57640

Influenza virus type A A/Wyoming/3/87 (H3N2), hemagglutinin,
RNA, partial cds.
Palese P., Li X., Leiter J., Fitch W.;
Proc. Natl. Acad. Sci. U.S.A. 88:4270–4274(1991). M57641

Influenza virus type A A/Stockholm/14/88 (H3N2), hemagglutinin,
RNA, partial cds.
Palese P., Li X., Leiter J., Fitch W.;
Proc. Natl. Acad. Sci. U.S.A. 88:4270–4274(1991). M57642

Influenza virus type A A/Colorado/1/89 (H1N1), hemagglutinin,
RNA, partial cds.
Palese P., Li X., Leiter J., Fitch W.;
Proc. Natl. Acad. Sci. U.S.A. 88:4270–4274(1991). M57643

Influenza virus A/Dunedin/4/73 extragenic suppressor (PB1(RNA2))
gene, complete cds.
Herlocher M.L., Shaw M.W., Maassab H.F.;
Unpublished. M74899

Human herpesvirus type 6 unassigned ORF, 3' end; DNA
polymerase (pol) gene, complete cds; and glycoprotein B, 3' end.
Teo I.A., Griffin B.E., Jones M.D.;
J. Virol. 65:4670–4680(1991). M63804

Herpes simplex virus type 2 Vmw65 (Vmw65 gene), complete cds.
Greaves R.R., O'Hare P.;
Unpublished. M75098

Rice stripe virus RNA3 genomic RNA for coat protein (two
ORF's)
Yafeng Z., Takahiko H., Shigemitsu T., Mami T.;
J. Gen. Virol. 72:763–767(1991). X53563

BACTERIOPHAGES:

Bacteriophage P2 DNA packaging and capsid synthesis genes QPONML, left end of genome (0–20%)
Linderoth N.A., Zierman R., Haggard-Ljungquist E., Christie G.E., Calendar R.;
Unpublished. X61229

SYNTHETICS:

Transposon Tn3 DNA with an epitope insertion element (EIE) insertion.
Hoekstra M.F., Burbee D., Singer J., Muller E., Chiao E., Heffron F.;
Proc. Natl. Acad. Sci. U.S.A. 88:5457–5461(1991). M75724

Plasmid vector pSU 23
Bartolome B., Jubete Y., Martinez E., de la Cruz F.;
Gene 102:75–78(1991). X53937

Plasmid vector pSU 36
Bartolome B., Jubete Y., Martinez E., de la Cruz F.;
Gene 102:75–78(1991). X53938

Plasmid vector pSU 8
Bartolome B., Jubete Y., Martinez E., de la Cruz F.;
Gene 102:75–78(1991). X53939