

# New nucleotide sequence data on the EMBL File Server

August 6th to August 27th 1991

New nucleotide sequence data, available from the EMBL File Server, (see Stoehr, P.J. and Omund, 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:*

A.geoffroyi gamma-globin gene and L1 LINE element  
Fitch D.H.A., Bailey W.J., Tagle D.A., Goodman M., Slightom J.L.;  
Unpublished. X53420

Marmoset cystic fibrosis transmembrane conductance regulator protein (CFTR) gene, exons 10–11.  
Gasparini P., Nunes V., Dognini M., Estivill X.;  
Genomics 10:1070–1072(1991). M64101,M75124

Human mRNA for adipogenesis inhibitory factor  
Kawashima I., Ohsumi J., Mita-Honjo K., Shimoda-Takano K.,  
Ishikawa H., Sakakibara S., Miyadai K., Takiguchi Y.;  
FEBS Lett. 283:199–202(1991). X58377

Human Y chromosome DNA fragment 2D6 which includes 2 atypical Alu repeats and a Bkm sequence.  
Rasheed B., Whisenant E., Fernandez R., Ostrer H., Bhatnagar Y.M.;  
Mol. Biol. Evol. 8:416–432(1991). M74870

Human mRNA for biliary glycoprotein, BGPG.  
Kuroki M., Arakawa F., Matsuo Y., Oikawa S., Nakazato H.,  
Matsuoka Y.;  
Biochem. Biophys. Res. Commun. 176:578–585(1991). D90311

Human mRNA for biliary glycoprotein, BGPh.  
Kuroki M., Arakawa F., Matsuo Y., Oikawa S., Nakazato H.,  
Matsuoka Y.;  
Biochem. Biophys. Res. Commun. 176:578–585(1991). D90312

Human mRNA for biliary glycoprotein, BGPi.  
Kuroki M., Arakawa F., Matsuo Y., Oikawa S., Nakazato H.,  
Matsuoka Y.;  
Biochem. Biophys. Res. Commun. 176:578–585(1991). D90313

Human bullous pemphigoid antigen mRNA, complete cds.  
Tanaka T., Parry D.A.D., Klaus-Kovtun V., Steinert P.M.,  
Stanley J.R.;  
J. Biol. Chem. 266:12555–12559(1991). M63618

Human mRNA for collagen alpha 1(V) chain, complete cds.  
Takahara K., Seto Y., Okasawa K., Okamoto N., Noda A., Yaoita Y.;  
J. Biol. Chem. 266:13124–13129(1991). D90279

Human hCENP-B gene for centromere autoantigen B (CENP-B)  
Sullivan K.F., Glass C.A.;  
Chromosoma 100:360–370(1991). X55039

Human IgG Fc receptor I gene, exons 1–6.  
de Winkel J.G., Ernst L.K., Anderson C.L., Chiu I.M.;  
J. Biol. Chem. 266:13449–13455(1991). M63830–M63835

Human CGM1a gene for nonspecific cross-reacting antigen (NCA).  
Kuroki M., Arakawa F., Matsuo Y., Oikawa S., Misumi Y.,  
Nakazato H., Matsuoka Y.;  
J. Biol. Chem. 266:11810–11817(1991). D90277

Human CGM1b gene for nonspecific cross-reacting antigen (NCA).  
Kuroki M., Arakawa F., Matsuo Y., Oikawa S., Misumi Y.,  
Nakazato H., Matsuoka Y.;  
J. Biol. Chem. 266:11810–11817(1991). D90278

Human CGM7 gene for nonspecific cross-reacting antigen (NCA).  
Kuroki M., Arakawa F., Matsuo Y., Oikawa S., Misumi Y.,  
Nakazato H., Matsuoka Y.;  
J. Biol. Chem. 266:11810–11817(1991). D90276

Human mast cell chymase gene, complete cds.  
Caughey G.H., Zerweck E.H., Vanderslice P.;  
J. Biol. Chem. 266:12956–12963(1991). M64269

Human gene for casein kinase II subunit beta (EC 2.7.1.37)  
Voss A., Wirkner U., Jacobi R., Hewitt N., Schwager C.,  
Zimmermann J., Ansorge W., Pyerin W.;  
J. Biol. Chem. 266:13706–13711(1991). X57152

Human CNTF gene for ciliary neurotrophic factor  
McDonald J.R., Ko C., Mismer D., Smith D.J., Collins F.;  
Unpublished. X60542

- Human CTLA-4 gene, 5' end.  
Harper K., Balzano C., Rouvier E., Mattel M.G., Luciani M.F., Golstein P.;  
*J. Immunol.* 147:1037–1044(1991). M74363
- Human cytochrome b5 mRNA, complete cds.  
Giordano S.J., Steggles A.W.;  
*Biochem. Biophys. Res. Commun.* 178:38–44(1991). M60174
- Human delta CREB mRNA for cAMP-responsive element (CRE) binding protein  
Short M.L., Manohar C.F., Furtado M.R., Ghadge G.D., Wolinsky S.M., Thimmapaya B., Jungmann R.A.;  
*Nucleic Acids Res.* 19:4290–4290(1991). X60003
- Human DNA homologous to D3F15S2  
Ganly P.S., Rabbits P.H.;  
*Nucleic Acids Res.* 19:3758–3758(1991). X58037
- Human DNA homologous to D3F15S2E  
Ganly P.S., Rabbits P.H.;  
*Nucleic Acids Res.* 19:3758–3758(1991). X58038
- Human (DXYS1X locus) DNA segment containing (CA)14 repeat.  
Browne D.L., Zonana J., Litt M.;  
Unpublished. X56252
- Human endothelin receptor mRNA, complete cds.  
Nakamura M., Takayanagi R., Sakai Y., Sakamoto S., Hagiwara H., Mizuno T., Saito Y., Hirose S., Yamamoto M., Nawata H.;  
*Biochem. Biophys. Res. Commun.* 177:34–39(1991). M74921
- Human Fas antigen (fas) mRNA, complete cds.  
Itoh N., Yonehara S., Ishii A., Yonehara M., Mizushima S.I., Sameshima M., Hase A., Nagata S., Seto Y.;  
*Cell* 66:233–243(1991). M67454
- Human Alu sequence, h3–3'-Alu, surrounding the ferredoxin gene family.  
Chung B.C., Chang C.Y.;  
*Biochem. Biophys. Res. Commun.* 177:120–124(1991). M74900
- Human Alu sequence, h3–5'-Alu, surrounding the ferredoxin gene family.  
Chung B.C., Chang C.Y.;  
*Biochem. Biophys. Res. Commun.* 177:120–124(1991). M74896
- Human Alu sequence, h5-Alu, surrounding the ferredoxin gene family.  
Chung B.C., Chang C.Y.;  
*Biochem. Biophys. Res. Commun.* 177:120–124(1991). M74902
- Human gamma-aminobutyric acid-A (GABA-A) receptor beta-1 subunit, exon 5.  
Kirkness E.F., Kusiak J.W., Fleming J.T., Menninger J., Gocayne J.D., Ward D.C., Venter J.C.;  
*Genomics* 10:985–995(1991). M59214
- Human gamma-aminobutyric acid-A (GABA-A) receptor beta-1 subunit, exons 6, 7 and 8.  
Kirkness E.F., Kusiak J.W., Fleming J.T., Menninger J., Gocayne J.D., Ward D.C., Venter J.C.;  
*Genomics* 10:985–995(1991). M59215
- Human beta-D-glucuronidase (GUSB) gene, 5' end.  
Shipley J.M., Miller R.D., Wu B.M., Grubb J.H., Christensen S.G., Kyle J.W., Sly W.S.;  
*Genomics* 10:1009–1018(1991). M65002
- Human 3-alkyladenine DNA glycosylase (HAAG) mRNA, complete cds.  
Samson L., Derfler B., Boosalis M.S., Call K.;  
*Proc. Natl. Acad. Sci. U.S.A. (In Press)* M74905
- Human (individual PNG141) HLA-DR beta chain gene, partial cds.  
Dong R.P., Kimura A., Sasazuki T.;  
Unpublished. M74031
- Human (individual PNG198) HLA-DR beta chain gene, partial cds.  
Dong R.P., Kimura A., Sasazuki T.;  
Unpublished. M74032
- Human (individual SAS9080) HLA-DR beta chain gene, partial cds.  
Dong R.P., Kimura A., Sasazuki T.;  
Unpublished. M74030
- Human h-lys gene for lysozyme (upstream region)  
Riccio M.L.;  
Unpublished. X57103
- Homo sapiens HOX 2.8 cDNA to mRNA.  
Lavelle D., Ducksworth J., Eves E., Gomes G., Keller M., Heller P., DeSimone J.;  
Unpublished. M73999
- Human homeobox 1.4 protein mRNA, complete cds.  
Buettner R., Yim S.O., Hong Y.S., Boncinelli E., Tainsky M.A.;  
*Mol. Cell. Biol.* 11:3573–3583(1991). M74297
- Human J6 to enhancer DNA of the immunoglobulin heavy-chain gene locus  
Sun Z., Kitchingman G.R.;  
*DNA Sequence* 1:347–355(1991). X54712
- Human Mu switch DNA of the immunoglobulin heavy-chain gene locus  
Sun Z., Kitchingman G.R.;  
*DNA Sequence* 1:347–355(1991). X54713
- Human immunoglobulin heavy chain variable region (VH1 family) from IgA kappa rheumatoid factor.  
Mierau R., Gause A., Kueppers R., Michels M., Mageed R.A., Jefferis R., Gentz E.;  
Unpublished. X61124
- Human immunoglobulin light chain variable region (V-kappa IV family) from IgA kappa rheumatoid factor.  
Mierau R., Gause A., Kueppers R., Michels M., Mageed R.A., Jefferis R., Gentz E.;  
Unpublished. X61125
- Human Ig germline lambda-chain pseudogene C-region.  
Bauer T.R., Blomberg B.;  
*J. Immunol.* 146:2813–2820(1991). M61769
- Human immunoglobulin non-truncated mu-chain mRNA, 5' end.  
Caldwell J., McElhone P., Brokaw J., Anker R., Pollok B.A.;  
*J. Immunol.* 146:4344–4357(1991). M74300
- Human immunoglobulin truncated mu-chain mRNA, 5' end.  
Caldwell J., McElhone P., Brokaw J., Anker R., Pollok B.A.;  
*J. Immunol.* 146:4344–4357(1991). M74303
- Human truncated IgM chain mRNA, 5' end.  
Caldwell J., McElhone P., Brokaw J., Anker R., Pollok B.A.;  
*J. Immunol.* 146:4344–4357(1991). M74582

- Human mRNA for T cell receptor  
Roman-Roman S., Ferradini L., Azogui O., Hercend T., Triebel F.;  
Unpublished. X61070–X61081
- Human interleukin 1 receptor antagonist gene, complete cds.  
Eisenberg S.P., Brewer M.T., Verderber E., Heimdal P.,  
Brandhuber B.J., Thompson R.C.;  
Proc. Natl. Acad. Sci. U.S.A. 88:5232–5236(1991). M63099
- Human MFD11 dinucleotide repeat DNA  
Weber J.L., May P.E.;  
Nucleic Acids Res. 18:2203–2203(1990). X54560
- Human MFD12 dinucleotide repeat DNA  
Weber J.L., Kwitek A.E., May P.E.;  
Nucleic Acids Res. 18:4034–4034(1990). X54588
- Human MFD13 dinucleotide repeat DNA  
Weber J.L., Kappel C., May P.E., Kwitek A.E.;  
Unpublished. X54589
- Human MFD14 dinucleotide repeat DNA  
Weber J.L., Kwitek A.E., May P.E.;  
Unpublished. X59426
- Human MFD16 dinucleotide repeat DNA  
Weber J.L.;  
Unpublished. X59427
- Human MFD14–MFD84 dinucleotide repeat DNA  
Weber J.L., May P.E.;  
Nucleic Acids Res. 18:2203–2203(1990). X54561–X54604
- Human MHC HLA-D region non-class II protein (RING5) mRNA,  
partial cds.  
Hanson I.M., Trowsdale J.;  
Immunogenetics 34:5–11(1991). M58660
- Human mitochondrial transcription factor 1 mRNA, complete cds.  
Parisi M.A., Clayton D.A.;  
Science 252:965–969(1991). M62810
- Human major nuclear matrix protein mRNA.  
Belgrader P., Dey R., Berezney R.;  
J. Biol. Chem. 266:9893–9899(1991). M63483
- Human 3' flanking minisatellite MS607A DNA  
Armour J.A.L., Jeffreys A.J.;  
Nucleic Acids Res. 19:3158–3158(1991). X58044
- Human 5' flanking minisatellite MS607A DNA  
Armour J.A.L., Jeffreys A.J.;  
Nucleic Acids Res. 19:3158–3158(1991). X58043
- Human 5' flanking minisatellite MS608 (D12S40) DNA  
Armour J.A.L., Crosier M., Jeffreys A.J.;  
Unpublished. X58045
- Human 3' flanking minisatellite MS608 (D12S40) DNA  
Armour J.A.L., Crosier M., Jeffreys A.J.;  
Unpublished. X58046
- Human monomorphic arylamine N-acetyltransferase (NAT) gene,  
partial exon.  
Ebisawa T., Deguchi T.;  
Biochem. Biophys. Res. Commun. 177:1252–1257(1991). M75164
- Human polymorphic arylamine N-acetyltransferase (NAT) gene,  
exons 1–2.  
Ebisawa T., Deguchi T.;  
Biochem. Biophys. Res. Commun. 177:1252–1257(1991).  
M75162–M75163
- Human mRNA for nebulin (partial)  
Labeit S., Gibson T., Lakey A., Leonard K., Zeviani M., Knight P., Wardale J., Trinick J.;  
FEBS Lett. 282:313–316(1991). X58122
- Human neurokinin-2 receptor (NK-2) gene, exons 1–5.  
Graham A., Hopkins B., Powell S.J., Danks P., Briggs I.;  
Biochem. Biophys. Res. Commun. 177:8–16(1991).  
M75101–M75105
- Human null allele at minisatellite MS608 DNA sequence  
Armour J.A.L., Crosier M., Jeffreys A.J.;  
Unpublished. X58047
- Human polymorphic BamHI site DNA (THR8 region)  
Ganly P.S., Rabbitts P.H.;  
Unpublished. X58039
- Human polymorphic MspI and DraI site DNA (THR8 gene region)  
Ganly P.S., Rabbitts P.H.;  
Nucleic Acids Res. 19:3760–3760(1991). X58042
- Human polymorphic EcoRI site (THR8 region)  
Ganly P.S., Rabbitts P.H.;  
Unpublished. X58040
- Human (PGK1P1 locus) DNA segment containing (CA)14 repeat.  
Browne D.L., Zonana J., Litt M.;  
Nucleic Acids Res. 19:1721–1721(1991). X56251
- Human phosphatidylinositol transfer protein mRNA, complete cds.  
Dickeson S.K., Helmkamp G.M.Jr., Yarbrough L.R.;  
Unpublished. M73704
- Human polymorphic HindIII site DNA (D2F15S2 locus)  
Ganly P.S., Rabbitts P.H.;  
Nucleic Acids Res. 19:3758–3758(1991). X58031
- Human polymorphic HindIII site DNA (THR8 region)  
Ganly P.S., Rabbitts P.H.;  
Nucleic Acids Res. 19:3761–3761(1991). X58041
- Human polymorphic MspI site DNA (D3S2 locus)  
Ganly P.S., Rabbitts P.H.;  
Unpublished. X58032
- Human polymorphic MspI site DNA (D3S3 locus)  
Ganly P.S., Douglas J., Rabbitts P.H.;  
Nucleic Acids Res. 19:3759–3759(1991). X58033
- Human polymorphic MspI site DNA (D3S30 locus)  
Ganly P.S., Rabbitts P.H.;  
Nucleic Acids Res. 19:3757–3757(1991). X58034
- Human polymorphic MspI site DNA (D3S6 locus)  
Ganly P.S., Douglas J., Rabbitts P.H.;  
Unpublished. X58036
- Human DNA promoter region for ETS1 gene.  
Jorcyk C.L., Watson D.K., Marrothalassitis G.J., Papas T.S.;  
Oncogene 6:523–532(1991). X55346

- Human prostaglandin D synthase gene, complete cds.  
 Nagata A., Suzuki Y., Igarashi M., Eguchi N., Toh H., Urade Y.,  
 Hayaishi O.;  
 Proc. Natl. Acad. Sci. U.S.A. (In Press) M61900–M61901
- Human polymorphic RsaI site DNA (D3S32 locus)  
 Ganly P.S., Rabbits P.H.;  
 Unpublished. X58035
- Human gene for prostatic secretory protein PSP-94, exons 1–4  
 Nolet S., Mbikay M., Chretien M.;  
 Biochim. Biophys. Acta 1089:247–249(1991). X57928–X57931
- Human polypyrimidine tract-binding (PTB) mRNA for  
 polypyrimidine tract-binding protein (pPTB)  
 Gil A., Sharp P.A., Jamison S.F., Garcia-Blanco M.A.;  
 Unpublished. X60648
- Homo sapien ST2p33, complete sequence.  
 Krainer A.R., Mayeda A., Kozak D., Binns G.;  
 Cell 66:383–394(1991). M69040
- Human alpha-spectrin gene, exons 8,12,27,36,43,50,53.  
 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).  
 M61782,M61785,M61800,M61809,M61816,M61823,M61826
- Human TYRRP gene for tyrosinase-related protein (TRP-1) (partial)  
 Urquhart A.J.;  
 Unpublished. X60955
- Human vascular endothelial growth factor gene, exons 1–7.  
 Tischer E., Mitchell R., Hartman T., Silva M., Gospodarowicz  
 D., Fiddes J.C., Abraham J.A.;  
 J. Biol. Chem. 266:11947–11954(1991). M63971–M63977
- M.fuscata mRNA for pepsinogen A-2/3  
 Kageyama T., Tanabe K., Koiwai O.;  
 Unpublished. X59755
- M.fuscata mRNA for pepsinogen A-4  
 Kageyama T., Tanabe K., Koiwai O.;  
 Unpublished. X59753
- M.fuscata mRNA for progastricsin (pepsinogen C)  
 Kageyama T., Tanabe K., Koiwai O.;  
 Unpublished. X59754
- M.fuscata gene for pepsinogen A-1  
 Kageyama T., Tanabe K., Koiwai O.;  
 Unpublished. X59752
- Macaca mulatta alpha-1,3GT gene, 3' flank.  
 Galili U., Swanson K.;  
 Proc. Natl. Acad. Sci. U.S.A. (In Press) M73306
- M.mulatta gamma-globin-1(G), gamma-globin-2(A) genes and L1  
 LINE element  
 Fitch D.H.A., Bailey W.J., Tagle D.A., Goodman M., Slightom  
 J.L.;  
 Unpublished. X53419
- Macaca mulatta gene for prostatic secretory protein PSP-94, exons  
 1–4  
 Nolet S., Mbikay M., Chretien M.;  
 Biochim. Biophys. Acta 1089:247–249(1991). X57932–X57935

**RODENTS:**

- M.auratus mu class glutathione transferase gene  
 Fan W., Trifiletti R., Norris J.S.;  
 Unpublished. X61033
- M.auratus tumor suppressing protein (p53) gene, complete cds.  
 Legros Y., McIntyre P., Soussi T.;  
 Unpublished. M75144
- Mouse 3-beta-hydroxysteroid dehydrogenase/delta-5-delta-4  
 isomerase mRNA sequence.  
 Bain P.A., Yoo M., Clarke T., Hammond S.H., Payne A.H.;  
 Proc. Natl. Acad. Sci. U.S.A. (In Press) M75886
- Mouse alkaline phosphatase (AP) pseudogene, complete cds.  
 Manes T., Glade K., Ziomek C.A., Millan J.L.;  
 Genomics 8:541–554(1990). M61706
- Mouse acid beta-galactosidase (GLB-1) gene, exons 3–15.  
 Nanba E., Suzuki K.;  
 Biochem. Biophys. Res. Commun. (In Press) M75108–M75121
- Mouse mRNA for carbonic anhydrase-related polypeptide  
 Kato K.;  
 FEBS Lett. 271:137–137(1990). X61397
- Mouse CD28 mRNA, partial cds.  
 Harper K., Balzano C., Rouvier E., Mattel M.G., Luciani M.F.,  
 Golstein P.;  
 J. Immunol. 147:1037–1044(1991). M74361
- Mouse cystic fibrosis transmembrane conductance regulator protein  
 (CFTR) gene, exons 10–11.  
 Gasparini P., Nunes V., Dognini M., Estivill X.;  
 Genomics 10:1070–1072(1991). M64102,M75125
- Mouse CRBPI mRNA for cellular retinol binding protein I  
 (mCRBPI)  
 Smith W.C., Nakshatri H., Leroy P., Rees J., Chambon P.;  
 EMBO J. 10:2223–2230(1991). X60367
- Mouse CTLA-4 gene, 5' end.  
 Harper K., Balzano C., Rouvier E., Mattel M.G., Luciani M.F.,  
 Golstein P.;  
 J. Immunol. 147:1037–1044(1991). M74362
- Mouse glucose transporter (GLUT3) mRNA, complete cds.  
 Nagamatsu S., Kornhauser J.M., Seino S., Mayo K.E., Steiner  
 D.F., Bell G.I.;  
 Unpublished. M75135
- Mouse house-keeping protein mRNA, complete cds.  
 Wang B., Hunsperger J., Laib J., Fan D.;  
 Unpublished. M74555
- Mouse heat shock protein (Hsp86) gene, partial cds.  
 Moore S.K., Appella E., Villar C.J., Kozak C.A.;  
 Genomics 10:1019–1029(1991). M57673
- Mouse IgH germline gene, switch region.  
 Owens J.D.Jr.;  
 Unpublished. M74518–M74519
- Mouse IgH germline gene, switch region and C-delta, CH1 domain  
 containing exon.  
 Owens J.D.Jr.;  
 Unpublished. M74520

- M.musculus interleukin 1 receptor antagonist gene, 3' end.  
Eisenberg S.P., Brewer M.T., Verderber E., Heimdal P.,  
Brandhuber B.J., Thompson R.C.;  
Proc. Natl. Acad. Sci. U.S.A. 88:5232–5236(1991). M63100
- Mouse MHC H-2K(k) DNA interferon response sequence  
Schwarz D.A., Kuhne M.R., Green W.R.;  
Unpublished. X61175
- Mouse MHC class I (haplotype cas3) integral membrane protein M3 (H-2M3) gene, complete cds.  
Wang C.R., Loveland B.E., Lindahl K.F.;  
Cell 66:335–345(1991). M62844
- Mouse MHC class II H-2-IE-beta cell surface glycoprotein beta-2 gene, exon 3.  
Padgett K.A., Shreffler D.C., Saha B.K.;  
J. Immunol. (In Press) M74823
- Mouse myosin heavy chain mRNA, 3' flank.  
Sanchez A., Jones K.W., Gulick J.D., Doetschman T., Robbins J.;  
Unpublished. M74751–M74753
- Mouse ORF2 mRNA, complete cds.  
Wang B., Hunsperger J., Laib J., Fan D.;  
Unpublished. M74556
- Mouse Q300 gene  
Wagner S., Cullman G., Knippers R.;  
J. Virol. 65:3259–3267(1991). X52164
- Mouse T-cell receptor Va20 gene for variable region beta chain Vbeta20  
Six A., Marche P.N., Jouvin-Marche E., Cazenave P.A.;  
Unpublished. X59150
- Mouse thrombospondin (THBS2) gene, partial cds.  
Bornstein P., O'Rourke K., Wikstrom K., Wolf F.W., Katz R., Li P., Dixit V.M.;  
J. Biol. Chem. 266:12821–12824(1991). M64866
- Mouse vh3609n gene for immunoglobulin heavy chain, variable region  
Tutter A., Brodeur P., Shlomchik M., Riblet R.;  
Unpublished. X55935
- Mouse vhsm7–13 gene for immunoglobulin heavy chain, variable region  
Tutter A., Brodeur P., Shlomchik M., Riblet R.;  
Unpublished. X55934
- Mouse V-kappa-9M gene, 5' end.  
Dudley J.P., Yang J.N.;  
J. Virol. 65:3911–3914(1991). M74713
- Mus musculus zinc finger protein gene zfas8 mRNA, 3' end.  
Crossley P.H., Little P.F.;  
Proc. Natl. Acad. Sci. U.S.A. (In Press) M74237
- Mus musculus zinc finger protein gene zfec12 mRNA, 3' end.  
Crossley P.H., Little P.F.;  
Proc. Natl. Acad. Sci. U.S.A. (In Press) M74235
- Mus musculus clone 18 zinc finger protein mRNA, 3' end.  
Crossley P.H., Little P.F.;  
Proc. Natl. Acad. Sci. U.S.A. (In Press) M74236
- Rat angiotensin II receptor mRNA, complete cds.  
Iwai N., Yamano Y., Chaki S., Konishi F., Bardhan S., Tibbetts C., Sasaki K., Hasegawa M., Matsuda Y., Inagami T.;  
Biochem. Biophys. Res. Commun. 177:299–304(1991). M74054
- Rat calcium channel alpha-1 subunit mRNA, complete cds.  
Starr T.V., Prystay W., Snutch T.P.;  
Proc. Natl. Acad. Sci. U.S.A. 88:5621–5625(1991). M64373
- Rat delta CREB mRNA for cAMP-responsive element (CRE) binding protein  
Short M.L., Manohar C.F., Furtado M.R., Ghadge G.D., Wolinsky S.M., Thimmapaya B., Jungmann R.A.;  
Nucleic Acids Res. 19:4290–4290(1991). X60002
- Rat gene for epididymal secretory protein I (ESP I)  
Girotti M., Jones R., Emery D.C., Chia W., Hall L.;  
Unpublished. X59831
- Rat mRNA for epididymal secretory protein I (ESP I)  
Moore A., Hall L., Hamilton D.W.;  
Biol. Reprod. 43:497–506(1990). X59832
- Rat farnesyltransferase beta subunit mRNA, complete cds.  
Chen W.J., Andres D.A., Goldstein J.L., Russell D.W., Brown M.S.;  
Cell 66:327–334(1991). M69056
- Rat interleukin 1 receptor antagonist gene, complete cds.  
Eisenberg S.P., Brewer M.T., Verderber E., Heimdal P.,  
Brandhuber B.J., Thompson R.C.;  
Proc. Natl. Acad. Sci. U.S.A. 88:5232–5236(1991). M63101
- Rat potassium channel protein mRNA, partial cds.  
Rudy B., Kentros C., de Miera E.;  
Mol. Cell. Neurosci. 2:89–102(1991). M74898
- Rat MHC class I TL-like protein gene, complete cds.  
Kirisits M.J., Kunz H.W., Cortese Hassett A.L., Gill T.J.III.;  
Immunogenetics (In Press) M74822
- Rat NGlyR mRNA for neonatal glycine receptor  
Akagi H., Hirai K., Hishinuma F.;  
FEBS Lett. 281:160–166(1991). X57281
- Rat mRNA for 58 kDa protein containing the non-specific lipid transfer protein (sterol carrier protein 2)  
Ossendorp B.C., van Heusden G.P.H., De Beer A.L.J., Bos K., Schouten G.L., Wirtz K.W.A.;  
Eur. J. Biochem. (In Press) X60654
- Rat mRNA for plectin  
Wiche G., Becker B., Luber K., Weitzer G., Castanon M.J.,  
Hauptmann R., Stratowa C., Stewart M.;  
J. Cell Biol. 114:83–89(1991). X59601
- Rat brain calcium channel alpha-1 subunit mRNA, complete cds.  
Hui A.S., Ellinor P.T., Wang J.J., Schartz A.;  
Neuron 7:35–44(1991). M57682
- Rat brain calcium channel alpha-1 subunit (rbC-I) mRNA, complete cds.  
Snutch T.P., Tomlinson W.J., Leonard J.P., Gilbert M.M.;  
Neuron 7:45–57(1991). M67516
- Rat brain calcium channel alpha-1 subunit (rbC-II) mRNA, complete cds.  
Snutch T.P., Tomlinson W.J., Leonard J.P., Gilbert M.M.;  
Neuron 7:45–57(1991). M67515

Rat rhoB gene mRNA, complete cds.

Jaehner D., Hunter T.;

Mol. Cell. Biol. 11:3682–3690(1991). M74295

Rat sbf mRNA for silencer factor B

Imagawa M., Osada S., Koyama Y., Suzuki T., Hirom P.C., Diccianni M.B., Morimura S., Muramatsu M.;

Unpublished. X60769

Rat t complex polypeptide 1 (Tcp-1) mRNA.

Morita T., Kubota H., Nozaki M., Matsushiro A.;

Unpublished. D90345

Rat UDP glucuronosyltransferase, complete cds.

Mackenzie P.I.;

J. Biol. Chem. 261:14112–14117(1991). J02589

Rattus rattus UDP glucuronosyltransferase gene, complete cds.

Haque S.J., Peterson D.D., Nebert D.W., Mackenzie P.I.;

DNA Cell Biol. (In Press). M74439

#### *OTHER MAMMALS:*

Cow aromatic L-amino acid decarboxylase mRNA, complete cds.

Kang U., Joh T.H.;

Brain Res. Mol. Brain Res. 8:83–87(1991). M74029

B.tauris cathepsin B mRNA, 3' end.

Bechet D.M., Ferrara M.J., Mordier S.B., Roux M.P., Deval C.D., Obled A.;

J. Biol. Chem. 266:14104–14112(1991). M64620

Cow cystic fibrosis transmembrane conductance regulator protein (CFTR) gene, exons 10–11.

Gasparini P., Nunes V., Dognini M., Estivill X.;

Genomics 10:1070–1072(1991). M64103,M75127

Cow Y-chromosomal repeat sequence.

Matthews M.E., Reed K.C.;

Unpublished. M74507

Feline immunodeficiency virus ENV gene for envelope precursor glycoprotein

Verschoor E.J., Hulskotte E., Ederveen J., Koolen M.J.M.,

Horzinek M.C., Rottier P.J.;

Unpublished. X60725

Sheep cystic fibrosis transmembrane conductance regulator protein (CFTR) gene, exons 10–11.

Gasparini P., Nunes V., Dognini M., Estivill X.;

Genomics 10:1070–1072(1991). M64104,M75129

Oryctolagus cuniculus interleukin-8 receptor gene, complete cds.

Beckman M.P., Munger W.E., Kozlosky C., VanderBos T., Price V., Lyman S., Gerard N.P., Gerard C., Cerretti D.P.;

Biochem. Biophys. Res. Commun. (In Press) M74240

Rabbit J-theta1 for junction sequence 3' to pseudogene theta-1

Hardison R., Krane D., Vandenberghe C., Cheng J.F., Mansberger J., Taddie J., Schwartz S., Huan X., Miller W.;

Unpublished. X60985

Rabbit mRNA for nebulin (partial)

Labeit S., Gibson T., Lakey A., Leonard K., Zeviani M., Knight P., Wardale J., Trinick J.;

FEBS Lett. 282:313–316(1991). X58123

Rabbit cytochrome P450IIC5 (CYP2C5) gene, exons 7,8,9 and 3' end.

Zhao J., Chan G., Govind S., Bell P., Kemper B.W.;

DNA Cell Biol. 9:37–48(1990). M74204–M74206

Rabbit cytochrome P450IIC4 (CYP2C4) gene, exons 1–5..

Zhao J., Chan G., Govind S., Bell P., Kemper B.W.;

DNA Cell Biol. 9:37–48(1990). M74199–M74203

O.cuniculus PMCA1 gene for plasma membrane Ca<sup>2+</sup>/Mg<sup>2+</sup> ATPase

Khan I., Grover A.K.;

Biochem. J. 277:345–349(1991). X59069

Rabbit MHC fragment RLA-DF DNA

Marche P.N., Laverriere A., LeGuern C., Kindt T.J.;

Unpublished. X60986

Rabbit intron from SERCA2 gene for CaMg ATPase

Khan I., Grover A.K.;

Unpublished. X58291

Pig cystic fibrosis transmembrane conductance regulator protein (CFTR) gene, exons 10–11.

Gasparini P., Nunes V., Dognini M., Estivill X.;

Genomics 10:1070–1072(1991). M64105,M75130

#### *OTHER VERTEBRATES:*

C.idella gcGH (grass carp growth hormone) gene for premature polypeptide (presomatostatin)

Zhu Z., He L., Chen T.T.;

Unpublished. X60988

C.idellus (Grass carp) mRNA for growth hormone

Chang Y.S., Huang F.I.;

Unpublished. X60474

Dromaius novaehollandiae (CR1) partial gene sequence.

Chen Z.Q., Ritzel R.G., Lin C.C., Hodgetts R.B.;

Proc. Natl. Acad. Sci. U.S.A. 88:5814–5818(1991). M68957

N.coriiceps neglecta antifreeze glycoprotein gene, complete cds.

Hsiao K.C., Cheng C.H.C., Fernandes I.E., Detrich W.H., DeVries A.L.;

Proc. Natl. Acad. Sci. U.S.A. 87:9265–9269(1990). M55000

Astyanax fasciatus red visual pigment gene (R007), exon 2.

Yokoyama R., Yokoyama S.;

Proc. Natl. Acad. Sci. U.S.A. (In Press) M38626

Grus antigone (CR1) partial gene sequence.

Chen Z.Q., Ritzel R.G., Lin C.C., Hodgetts R.B.;

Proc. Natl. Acad. Sci. U.S.A. 88:5814–5818(1991). M68958

Chicken GG1-CR1 repetitive sequence

Shapira E., Yarus S., Fainsod A.;

Genomics 10:931–939(1991). X14617

Chicken lipoprotein lipase gene

Cooper D.A., Lu S.C., Viswanath R., Freiman R.N., Bensadoun A.;

Unpublished. X60547

G.domesticus RAR beta mRNA for retinoic acid receptor beta, isoform 1

Nohno T., Muto K., Noji S., Saito T., Taniguchi S.;

Biochim. Biophys. Acta 1089:273–275(1991). X57339

Chicken aromatase gene, exons 1–8.  
Matsumine H., Herbst M., Ou S.H.I., Wilson J.D., McPhaul M.J.;  
J. Biol. Chem. (In Press) M73277–M73284

Chicken aromatase gene, exon 9 and complete CDS.  
Matsumine H., Herbst M., Ou S.H.I., Wilson J.D., McPhaul M.J.;  
J. Biol. Chem. (In Press) M73285

Chicken aromatase gene, exons 1–8.  
Matsumine H., Herbst M., Ou S.H.I., Wilson J.D., McPhaul M.J.;  
J. Biol. Chem. (In Press) M73286–M73293

Chicken aromatase gene, exon 9 and complete CDS.  
Matsumine H., Herbst M., Ou S.H.I., Wilson J.D., McPhaul M.J.;  
J. Biol. Chem. (In Press) M73294

Chicken aromatase gene, exons 1–8.  
Matsumine H., Herbst M., Ou S.H.I., Wilson J.D., McPhaul M.J.;  
J. Biol. Chem. (In Press) M73295–M73302

Chicken aromatase gene, exon 9 and complete CDS.  
Matsumine H., Herbst M., Ou S.H.I., Wilson J.D., McPhaul M.J.;  
J. Biol. Chem. (In Press) M73303

Chicken mRNA for Hsp47, heat shock protein 47  
Hirayoshi K.;  
Mol. Cell. Biol. 11:4038–4038(1991). X57157

Chicken mitochondrial bidirectional promoter.  
L'Abbe D., Duhaime J., Lang B.F., Morais R.;  
J. Biol. Chem. 266:10844–10850(1991). M74503

Chicken fast myosin heavy chain mRNA.  
Moore L.A., Arrizubieta M.J., Tidyman W.E., Herman L.A.,  
Bandman E.;  
Unpublished. M74084–M74087

Chicken Na<sup>+</sup>, K<sup>+</sup>-ATPase beta-1 subunit gene sequence.  
Takeyasu K., Barnstein A.M., Hamrick M.H., Fambrough D.M.;  
Unpublished. M75030–M75031

Chicken pp40 mRNA, complete cds.  
Davis N., Ghosh S., Simmons D.L., Tempst P., Liou H.C.,  
Baltimore D., Bose H.R.J.R.;  
Science (In Press) M74544

Gastrotheca riobambae 5S rRNA gene, complete sequence.  
del Pino E.M., Murphy C., Masson P., Gall J.G.;  
Unpublished. M74438

H. mulitrix (Silver carp) mRNA for growth hormone  
Chang Y.S., Huang F.I.;  
Unpublished. X60475

H. nobilis (Bighead carp) mRNA for growth hormone  
Chang Y.S., Huang F.I.;  
Unpublished. X60473

S. irideus tumor suppressing protein (p53) gene, complete cds.  
de Fromentel C., Padkel F., Chapus A., Baney C., May P.,  
Soussi T.;  
Unpublished. M75145

X.laevis MPK1 mRNA for MAP kinase  
Gotoh Y., Moriyama K., Matsuda S., Okumura E., Kishimoto T.,  
Kawasaki H., Suzuki K., Yahara I., Sakai H., Nishida E.;  
EMBO J. 10:2661–2661(1991). X59813

X.laevis XL 31 gene for mitochondrial DNA specific single-stranded DNA binding protein (mt-SSB)  
Tiranti V., Barat-Gueride M., Bijl J., DiDonato S., Zeviani M.;  
Nucleic Acids Res. 19:4291–4291(1991). X59285

Xenopus laevis xP1 mRNA, complete cds.  
Hauser F., Hoffmann W.;  
J. Biol. Chem. (In Press) M75033

Xenopus laevis xP4 mRNA, complete cds.  
Hauser F., Hoffmann W.;  
J. Biol. Chem. (In Press) M75034

#### INVERTEBRATES:

Ascaris lumbricoides 18S rRNA gene, 5' end, and 26S rRNA gene, 3' end.  
Mueller E., Neuhaus H., Tobler H., Mueller F.;  
Unpublished. M74584–M74585

Brugia pahangi Mf22 gene for a major protein component of the microfilarial (L1) sheath  
Selkirk M., Yazdanbakhsh M., Freedman D., Baxter M., Cookson E., Jenkins R.E., Williams S.A.;  
J. Biol. Chem. 266:11002–11008(1991). X58063

Barbatia reeveana globin gene, exons 1, 2, 3, 4, 5 and 6.  
Naito Y., Riggs C.K., Vandergon T.L., Riggs A.F.;  
Proc. Natl. Acad. Sci. U.S.A. (In Press) M73327

Barbatia reeveana globin mRNA.  
Naito Y., Riggs C.K., Vandergon T.L., Riggs A.F.;  
Proc. Natl. Acad. Sci. U.S.A. 88:6672–6676(1991). M73328

C.campylum small subunit ribosomal RNA gene  
Greenwood S.J., Sogin M.L., Lynn D.H.;  
J. Mol. Evol. 33:163–174(1991). X56532

C.elegans unc-13 mRNA, complete cds.  
Maruyama I.N., Brenner S.;  
Proc. Natl. Acad. Sci. U.S.A. 88:5729–5733(1991). M62830

D.bromeliae 28S rRNA, expansion segment D10  
Ruiz Linares A., Hancock J.M., Dover G.A.;  
J. Mol. Biol. 219:381–390(1991). X55279

D.bromeliae 28S rRNA, expansion segment D2  
Ruiz Linares A., Hancock J.M., Dover G.A.;  
J. Mol. Biol. 219:381–390(1991). X55278

D.fallenii 28S rRNA, expansion segment D10  
Ruiz Linares A., Hancock J.M., Dover G.A.;  
J. Mol. Biol. 219:381–390(1991). X55280

D.fallenii 28S rRNA, expansion segment D2  
Ruiz Linares A., Hancock J.M., Dover G.A.;  
J. Mol. Biol. 219:381–390(1991). X54952

D.melanogaster 1(1)ogre gene for conceptual protein of 1(1)ogre locus  
Watanabe T., Kankel D.;  
Genetics 126:1033–1044(1991). X61180

- D.mauritiana 28S rRNA, expansion segment D10  
Ruiz Linares A., Hancock J.M., Dover G.A.;  
*J. Mol. Biol.* 219:381–390(1991). X54953
- D.mauritiana 28S rRNA, expansion segment D2  
Ruiz Linares A., Hancock J.M., Dover G.A.;  
*J. Mol. Biol.* 219:381–390(1991). X54958
- Drosophila melanogaster ALA-A DNA, repeat region  
Magoulas C., Hickey D.A.;  
Unpublished. X57623
- Drosophila melanogaster ALA-D DNA, repeat region  
Magoulas C., Hickey D.A.;  
Unpublished. X57622
- Drosophila melanogaster ALA-E6 DNA, repeat region  
Magoulas C., Hickey D.A.;  
Unpublished. X57624
- Drosophila melanogaster homeobox protein (BarH1) gene, exon 1.  
Kojima T., Ishimaru S., Higashijima S.I., Takayama E., Akimaru H., Sone M., Emori Y., Saigo K.;  
*Proc. Natl. Acad. Sci. U.S.A.* 88:4343–4347(1991). M73259
- D.melanogaster Broad-Complex mRNA for BRcore-NS-Z3 protein  
Guild G.M.;  
Unpublished. X54664
- D.melanogaster Broad-Complex mRNA for BRcore-Q1-Z1 protein  
Di Bello P., Whithers D., Bayer C., Fristrom J., Guild G.;  
Unpublished. X54663
- D.melanogaster Broad-Complex mRNA for BRcore-TNT1-Q1-Z1 protein  
Guild G.M.;  
Unpublished. X54666
- D.melanogaster Broad-Complex mRNA for BRcore-Z2 protein  
Guild G.M.;  
Unpublished. X54665
- D.melanogaster calmodulin-dependent protein kinase (DNK) mRNA, complete cds.  
Cho K.O., Wall J.B., Pugh P.C., Ito M., Mueller S.A., Kennedy M.B.;  
*Neuron* (In Press) M74583
- D.melanogaster laminin A chain mRNA, complete cds.  
Garrison K., MacKrell A.J., Fessler J.H.;  
*J. Biol. Chem.* (In Press) M75882
- D.melanogaster partial Mhc gene for myosin heavy chain  
Kronert W.A., Edwards K.A., Roche E.S., Wells L., Bernstein S.I.;  
*EMBO J.* 10:2479–2488(1991). X60196
- Drosophila melanogaster recombination repair protein (RRP1) mRNA, complete cds.  
Sander M., Lowenhaupt K., Lane W.S., Rich A.;  
*Nucleic Acids Res.* (In Press) M62472
- D.melanogaster calcium-activated K+ channel subunit (slo) mRNA, 3' end.  
Atkinson N.S., Robertson G.A., Ganetzky B.;  
*Science* 253:551–555(1991). M69053
- Drosophila melanogaster non-rDNA with type I insertion (right end)  
Browne M.J.;  
Unpublished. X01675
- Drosophila melanogaster transformer-2 protein (tra-2) gene, complete cds.  
Mattox W., Palmer M.J., Baker B.S.;  
*Genes Dev.* 4:789–805(1990). M30939
- D.melanogaster clone U28T2 non-LTR retrotransposon DNA (6279 bp)  
Felger I., Hunt J.A.;  
*Nucleic Acids Res.* (In Press). X60174
- D.melanogaster clone U28T2 non-LTR retrotransposon DNA (3778 bp)  
Felger I., Hunt J.A.;  
*Nucleic Acids Res.* (In Press). X60175
- D.melanogaster clone U28T2 non-LTR retrotransposon DNA (5218 bp)  
Felger I., Hunt J.A.;  
*Nucleic Acids Res.* (In Press). X60176
- D.melanogaster clone U28T2 non-LTR retrotransposon DNA (7779 bp)  
Felger I., Hunt J.A.;  
*Nucleic Acids Res.* (In Press). X60177
- D.orena 28S rRNA, expansion segment D10  
Ruiz Linares A., Hancock J.M., Dover G.A.;  
*J. Mol. Biol.* 219:381–390(1991). X54957
- D.orena 28S rRNA, expansion segment D2  
Ruiz Linares A., Hancock J.M., Dover G.A.;  
*J. Mol. Biol.* 219:381–390(1991). X54961
- D.phalerata 28S rRNA, expansion segment D10  
Ruiz Linares A., Hancock J.M., Dover G.A.;  
*J. Mol. Biol.* 219:381–390(1991). X54948
- D.phalerata 28S rRNA, expansion segment D2  
Ruiz Linares A., Hancock J.M., Dover G.A.;  
*J. Mol. Biol.* 219:381–390(1991). X54949
- D.sechellia 28S rRNA, expansion segment D10  
Ruiz Linares A., Hancock J.M., Dover G.A.;  
*J. Mol. Biol.* 219:381–390(1991). X54954
- D.sechellia 28S rRNA, expansion segment D2  
Ruiz Linares A., Hancock J.M., Dover G.A.;  
*J. Mol. Biol.* 219:381–390(1991). X54959
- D.simulans 28S rRNA, expansion segment D10  
Ruiz Linares A., Hancock J.M., Dover G.A.;  
*J. Mol. Biol.* 219:381–390(1991). X54955
- D.simulans 28S rRNA, expansion segment  
Ruiz Linares A., Hancock J.M., Dover G.A.;  
*J. Mol. Biol.* 219:381–390(1991). X54960
- D.teissieri 28S rRNA, expansion segment D10  
Ruiz Linares A., Hancock J.M., Dover G.A.;  
*J. Mol. Biol.* 219:381–390(1991). X54956
- D.teissieri 28S rRNA, expansion segment D2  
Ruiz Linares A., Hancock J.M., Dover G.A.;  
*J. Mol. Biol.* 219:381–390(1991). X55277

- D.virilis 28S rRNA, expansion segment D10  
Ruiz Linares A., Hancock J.M., Dover G.A.;  
J. Mol. Biol. 219:381–390(1991). X54951
- D.virilis 28S rRNA, expansion segment D2  
Ruiz Linares A., Hancock J.M., Dover G.A.;  
J. Mol. Biol. 219:381–390(1991). X55276
- D.yakuba period gene  
Thackeray J.R., Kyriacou C.P.;  
J. Mol. Evol. 31:389–401(1990). X61127
- E.histolytica extrachromosomal ribosomal DNA for DRA I repeat unit  
Mittal V., Sehgal D., Bhattacharya A., Bhattacharya S.;  
Nucleic Acids Res. 19:2777–2777(1991). X58630
- Glaucoma chattoni histone H3 (histone H3II) gene, 5' end; histone H4 (histone H4II) gene, 5' end.  
Sadler L.A., Brunk C.F.;  
Mol. Biol. Evol. (In Press) M73209
- G.chattoni small subunit ribosomal RNA gene  
Greenwood S.J., Sogin M.L., Lynn D.H.;  
J. Mol. Evol. 33:163–174(1991). X56533
- G.morsitans 28S rRNA, expansion segment D10  
Ruiz Linares A., Hancock J.M., Dover G.A.;  
J. Mol. Biol. 219:381–390(1991). X55281
- G.morsitans 28S rRNA, expansion segment D2  
Ruiz Linares A., Hancock J.M., Dover G.A.;  
J. Mol. Biol. 219:381–390(1991). X54950
- O.hennguyi small subunit ribosomal RNA gene  
Greenwood S.J., Sogin M.L., Lynn D.H.;  
J. Mol. Evol. 33:163–174(1991). X56531
- Onchocerca volvulus gene for Cu/Zn superoxide dismutase  
Henkle K.J., Liebau E., Mueller S., Bergmann B., Walter R.D.;  
Infect. Immun. 59:2063–2069(1991). X57105
- P.falciparum MEF-1 gene for EF-1 alpha elongation factor  
Ross-Macdonald P.B., Williamson D.H.;  
Unpublished. X60488
- P.falciparum organellar gene for small subunit ribosomal RNA  
Gardner M.J., Feagin J.E., Moore D.J., Spencer D.F., Gray M.W., Williamson D.H., Wilson R.J.M.;  
Mol. Biochem. Parasitol. 48:77–88(1991). X57167
- S.pallida open reading frames 0–3, complete cds.  
Simonelig M., Anxolabehere D.;  
Proc. Natl. Acad. Sci. U.S.A. 88:6102–6106(1991). M63341
- P.vulgata mRNA for cyclin A  
van Loon A.E., Colas P., Goedemans H.J., Neant I., Dalbon P., Guerrier P.;  
Unpublished. X58357
- P.vulgata mRNA for cyclin B  
van Loon A.E., Colas P., Goedemans H.J., Neant I., Dalbon P., Guerrier P.;  
Unpublished. X58358
- S.clava mRNA for muscle actin  
Beach R.L.;  
Unpublished. X61040
- S.lemnae macronuclear ORF1 gene, complete cds.  
Kreyenberg H., Witte H.;  
Unpublished. M75100
- Schistosoma mansoni calpain mRNA, complete cds.  
Clarke M.W., Karcz S.R., Podesta R.B.;  
Unpublished. M74233
- S.plicata mRNA for cytoplasmic actin  
Kovilur S., Jacobson J.W., Beach R.L., Jeffery W.R., Tomlinson C.R.;  
Unpublished. X61041
- S.plicata mRNA for muscle actin  
Kovilur S., Jacobson J.W., Beach R.L., Jeffery W.R., Tomlinson C.R.;  
Unpublished. X61042
- Tetrahymena asiatica histone H3 (histone H3II) gene, 5' end;  
histone H4 (histone H4II) gene, 5' end.  
Sadler L.A., Brunk C.F.;  
Mol. Biol. Evol. (In Press) M73207
- Trypanosoma brucei protein phosphatase 1 catalytic subunit mRNA, complete cds.  
Erondu N.E., Donelson J.E.;  
Unpublished. M74166
- Trypanosoma brucei protein phosphatase 1 catalytic subunit mRNA, complete cds.  
Erondu N.E., Donelson J.E.;  
Unpublished. M74167
- Trypanosoma brucei protein phosphatase 2A catalytic subunit mRNA, complete cds.  
Erondu N.E., Donelson J.E.;  
Unpublished. M74168
- T.brucui pol associated gene 1 and pol gene for DNA polymerase catalytic subunit  
Leegwater P.A.J., Strating M.S., Murphy N.B., Kooy R.F., Van Der Vliet P.C., Overdulve J.P.;  
Unpublished. X60951
- T.brucui tRNA-lys gene  
Mottram J.C., Eier W., Sloof P., Bell S., Nelson R.G., Barry J.D.;  
Unpublished. X57044
- T.brucui tRNA-asn, tRNA-gln, tRNA-arg & tRNA-lys genes  
Mottram J.C., Shafi Y., Barry J.D.;  
Nucleic Acids Res. 19:3995–3995(1991). X57045
- T.brucui tRNA-tyr, tRNA-thr & U6 snRNA genes  
Mottram J.;  
Unpublished. X57046
- T.brucui RNA X, tRNA-lys, tRNA-arg & U RNA B genes  
Mottram J.;  
Unpublished. X57047
- Tetrahymena corlissi histone H3 (histone H3II) gene, 5' end;  
histone H4 (histone H4II) gene, 5' end.  
Sadler L.A., Brunk C.F.;  
Mol. Biol. Evol. (In Press) M73208

- Tetrahymena hegewischi histone H3 (histone H3II) gene, 5' end; histone H4 (histone H4II) gene, 5' end.  
Sadler L.A., Brunk C.F.;  
Mol. Biol. Evol. (In Press) M73210
- Tetrahymena limacis histone H3 (histone H3II) gene, 5' end; histone H4 (histone H4II) gene, 5' end.  
Sadler L.A., Brunk C.F.;  
Mol. Biol. Evol. (In Press) M73211
- T.molitor acp-22 mRNA for adult specific cuticular protein  
Bouhin H., Charles J.P., Quenneley B., Delachambre J.;  
Unpublished. X60455
- Tetrahymena silvana histone H3 (histone H3II) gene, 5' end; histone H4 (histone H4II) gene, 5' end.  
Sadler L.A., Brunk C.F.;  
Mol. Biol. Evol. (In Press) M73213
- Tetrahymena setosa histone H3 (histone H3II) gene, 5' end; histone H4 (histone H4II) gene, 5' end.  
Sadler L.A., Brunk C.F.;  
Mol. Biol. Evol. (In Press) M73212
- Tibicen sp. 28S ribosomal RNA gene containing R1 retrotransposon DNA.  
Jakubczak J.L., Burke W.D., Eickbush T.H.;  
Proc. Natl. Acad. Sci. U.S.A. (In Press) M60383
- Tibicen sp. 28S ribosomal RNA gene containing R1 retrotransposon DNA.  
Jakubczak J.L., Burke W.D., Eickbush T.H.;  
Proc. Natl. Acad. Sci. U.S.A. (In Press) M60384
- Tetrahymena vorax histone H3 (histone H3II) gene, 5' end; histone H4 (histone H4II) gene, 5' end.  
Sadler L.A., Brunk C.F.;  
Mol. Biol. Evol. (In Press) M73214
- Carpenter bee 28S ribosomal RNA gene containing R1 retrotransposon DNA.  
Jakubczak J.L., Burke W.D., Eickbush T.H.;  
Proc. Natl. Acad. Sci. U.S.A. 88:3295–3299(1991).  
M60385–M60386
- PLANTS:**
- A.thaliana 3-deoxy-D-arabino-heptulosonate  $\gamma$ -phosphate synthase (DHS1) mRNA, complete cds  
Keith B., Dong X., Ausubel F.M., Fink G.R.;  
Proc. Natl. Acad. Sci. U.S.A. (In Press) M74819
- A.thaliana 3-deoxy-D-arabino-heptulosonate 7-phosphate synthase (DHS2) mRNA, complete cds.  
Keith B., Dong X., Ausubel F.M., Fink G.R.;  
Proc. Natl. Acad. Sci. U.S.A. (In Press) M74820
- A.thaliana sucrose synthase gene  
Chopra S., Dalfavero J., Dolferus R., Jacobs M.;  
Unpublished. X60987
- Carrot Ccam-1 gene for calmodulin  
Perera I.V., Zielinski R.E.;  
Unpublished. X59751
- Barley mRNA for alpha-amylase inhibitor  
Rasmussen S.K., Johansson A.;  
Unpublished. X59264
- L.esculentum mRNA for alcohol dehydrogenase  
Van Der Straeten D.;  
Unpublished. X60600
- L.esculentum lhbC1 gene for LHCII type III  
Schwart E., Stasys R., Aebersold R., McGrath J.M., Green B.R.,  
Pichersky E.;  
Unpublished. X60275
- M.charantia mRNA for alpha-momorcharin  
Ho W.K.K., Liu S.C., Shaw P.C., Yeung H.W., Ng T.B., Chan W.Y.;  
Biochim. Biophys. Acta 1088:311–314(1991). X57682
- V.faba mitochondrial plasmid MtVFPL3 DNA  
Flamand M.C., Goblet J.P., Duc G., Briquet M., Briquet M.;  
Unpublished. X59266
- Nicotiana tabacum blp3 mRNA for luminal binding protein (BiP), partial  
Denecke J., Goldman M.H., Demolder J., Seurinck J., Boterman J.;  
Unpublished. X60061
- O.sativa GluA-3 gene for glutelin  
Takaiwa F., Oono K.;  
Jpn. J. Genet. 66:161–171(1991). X54313
- Rice mRNA for oryzain alpha (EC 3.4.22).  
Watanabe H., Abe K., Emori Y., Hosoyama H., Arai S.;  
J. Biol. Chem. (In Press) D90406
- Rice mRNA for oryzain beta (EC 3.4.22).  
Watanabe H., Abe K., Emori Y., Hosoyama H., Arai S.;  
J. Biol. Chem. (In Press) D90407
- Rice mRNA for oryzain gamma (EC 3.4.22).  
Watanabe H., Abe K., Emori Y., Hosoyama H., Arai S.;  
J. Biol. Chem. (In Press) D90408
- Pea Cu-Zn superoxide dismutase mRNA, complete cds.  
White D.A., Zilinskas B.A.;  
Plant Physiol. 96:1391–1392(1991). M63003
- P.vulgaris PvPR1 mRNA for pathogenesis-related protein 1 (PvPR1) of unknown function  
Walter M.H., Liu J.W., Grand C., Lamb C.J., Hess D.;  
Mol. Gen. Genet. 222:353–360(1990). X61365
- P.vulgaris PvPR2 mRNA for pathogenesis-related protein 2 (PvPR2) of unknown function  
Walter M.H., Liu J.W., Grand C., Lamb C.J., Hess D.;  
Mol. Gen. Genet. 222:353–360(1990). X61364
- S.tuberosum mRNA for ADP-glucose pyrophosphorylase large subunit  
Nakata P.A., Greene T.W., Anderson J.M., Smith-White B.J.,  
Okita T.W., Preiss J.;  
Unpublished. X61186–X61187
- T.aestivum tRNA-Tyr gene  
Szwejkowska-Kulinska Z.;  
Unpublished. X61044

T.durum mRNA for CM3 protein  
 Gautier M.F., Alary R., Lullien V., Joudrier P.;  
 Unpublished. X61032

V.angustifolia 25S/18S rRNA intergenic spacer DNA  
 Ueki M., Uchizawa E., Yakura K.;  
 Unpublished. X61082

Z.mays 22kD alpha-zein gene  
 Siemieniak D., Larkins B., Sieu L., Thompson G., Slightom J.;  
 Unpublished. X61085

Z.mays c2 gene for chalcone synthase  
 Franken P., Niesbach-Kloesgen U., Weydemann U., Marechal-Drouard L., Saedler H., Wienand U.;  
 EMBO J. 10:2605–2612(1991). X60205

Z.mays whp (white pollen) gene for chalcone synthase  
 Franken P., Niesbach-Kloesgen U., Weydemann U., Marechal-Drouard L., Saedler H., Wienand U.;  
 EMBO J. 10:2605–2612(1991). X60204

#### FUNGI:

Cryprococcus neoformans phosphoribosyl anthranilate isomerase (TRP1) gene, complete cds.  
 Perfect J.R., Rude T.H., Penning L.M., Johnston S.A.;  
 Gene (In Press) M74901

Pichia sp. L41 ribosomal protein (RIM-C) gene, complete cds.  
 Kawai S., Murao S., Mochizuki M., Yano K., Takagi M.;  
 Unpublished. M62395

S. cerevisiae CDC48 gene for cell cycle protein CDC48p  
 Froehlich K.U., Fries H.W., Erdmann R., Botstein D., Mecke D.;  
 J. Cell Biol. 114:443–453(1991). X56956

Yeast CMK1 gene for CaM kinase II.  
 Ohya Y., Kawasaki H., Suzuki K.I., Londenborough J., Anraku Y.;  
 J. Biol. Chem. 266:12784–12794(1991). D90375

Yeast CMK2 gene for CaM kinase II.  
 Ohya Y., Kawasaki H., Suzuki K.I., Londenborough J., Anraku Y.;  
 J. Biol. Chem. 266:12784–12794(1991). D90376

Saccharomyces cerevisiae endochitinase (CTS1–1) gene, complete cds.  
 Kuranda M.J., Robbins P.W.;  
 J. Biol. Chem. (In Press) M74069

Saccharomyces cerevisiae endochitinase (CTS1–2) gene, complete cds.  
 Kuranda M.J., Robbins P.W.;  
 J. Biol. Chem. (In Press) M74070

Yeast glycerol-3-phosphate dehydrogenase, 5'-cds.  
 Sleep D., Ogden J.E., Roberts N.A., Goodey A.R.;  
 Gene 101:89–96(1991). M74328

Saccharomyces cerevisiae long chain base biosynthesis protein (LCB1) gene, complete cds.  
 Buede R., Rinker-Schaffer C., Pinto W.J., Lester R.L., Dickson R.C.;  
 J. Bacteriol. 173:4325–4332(1991). M63674

S.cerevisiae MET3 & TDH2 genes for ATP sulfurylase (ATP:sulfate adenylyltransferase) and glyceraldehyde-3-phosphate dehydrogenase  
 Mountain H.A., Korch C.;  
 Unpublished. X60157

S.cerevisiae MGT1 gene for O6-methylguanine DNA repair methyltransferase (O-6MeG DNA MTase)  
 Xiao W., Derfler B., Chen J., Samson L.;  
 EMBO J. 10:2179–2186(1991). X60368

S.cerevisiae ROX1 gene for ROX1 repressor  
 Lowry C.V., Zitomer R.S.;  
 Unpublished. X60458

S.cerevisiae SNP1 gene for U1 snRNP 70K protein homologue  
 Smith V., Barrell B.G.;  
 EMBO J. 10:2627–2634(1991). X59986

Yeast ubiquitin-specific processing protease I (UBP1) gene, complete cds.  
 Tobias J.W., Varshavsky A.;  
 J. Biol. Chem. 266:12021–12028(1991). M63484

Saccharomyces cerevisiae casein kinase I (YCK1) gene, complete cds.  
 Robinson L.C., Hubbard E.J., Graves P., Depaoli-Roach A.A., Roach P.J., Kung C., Haas D.W., Hagedorn C.H., Goebel M., Culbertson M.R., Carlson M.;  
 Unpublished. M74552

Saccharomyces cerevisiae casein kinase I (YCK2) gene, complete cds.  
 Robinson L.C., Hubbard E.J., Graves P., Depaoli-Roach A.A., Roach P.J., Kung C., Haas D.W., Hagedorn C.H., Goebel M., Culbertson M.R., Carlson M.;  
 Unpublished. M74453

S.kluyveri linear plasmid pSKL DNA for open reading frames 1–10.  
 Hishinuma F., Hirai K.;  
 Mol. Gen. Genet. 226:97–106(1991). X54850

Schizosaccharomyces pombe byr2 gene, complete cds.  
 Wang Y., Xu H.P., Riggs M., Rodgers L., Wigler M.;  
 Mol. Cell. Biol. 11:3554–3563(1991). M74293

S.pombe CEN3 dhIII partial DNA sequence  
 Murakami S., Matsumoto T., Niwa O., Yanagida M.;  
 Unpublished. X60932–X60933

Schizosaccharomyces pombe gene sequence.  
 Matsumoto T., Beach D.H.;  
 Cell 66:347–360(1991). M73527

Schizosaccharomyces pombe gene sequence.  
 Matsumoto T., Beach D.H.;  
 Cell 66:347–360(1991). M73528

#### ORGANELLES:

A.thaliana PRKase gene for Ribulose-5-phosphate kinase  
 Horsnell P.R., Raines C.A.;  
 Plant Mol. Biol. 17:183–184(1991). X58149

C.americana 23S rRNA gene  
 Wimpee C.F., Morgan R.W., Wrobel R.L.;  
 Unpublished. X59768

*Cylindrotheeca* sp. chloroplast acyl carrier protein (ACP) gene, complete cds.

Hwang S.R., Tabita F.R.;  
*J. Biol. Chem.* 266:13492–13494(1991). M64995

*Nicotiana bigelovii* chloroplast *atpB* gene for ATPase subunit beta  
 Avni A., Anderson J.D., Rochhaix J.D., Edelman M.;  
 Unpublished. X61316

*N.plumbaginefolia* chloroplast *atpB* gene for ATPase subunit beta  
 Avni A., Anderson J.D., Rochhaix J.D., Edelman M.;  
 Unpublished. X61320

*N.rustica* chloroplast *atpB* gene for ATPase subunit beta  
 Avni A., Anderson J.D., Rochhaix J.D., Edelman M.;  
 Unpublished. X61318

*Nicotiana* line 92 chloroplast *atpB* gene for ATPase subunit beta  
 Avni A., Anderson J.D., Rochhaix J.D., Edelman M.;  
 Unpublished. X61317

*N.tabacum* chloroplast *atpB* gene for ATPase beta subunit  
 Avni A., Anderson J.D., Rochhaix J.D., Edelman M.;  
 Unpublished. X61319

*C.reinhardtii* *psaC* gene for the iron sulfur protein of photosystem I  
 Takahashi Y., Goldschmidt-Clermont M., Soen S.Y., Franzen L.G., Rochaix J.D.;  
*EMBO J.* 10:2033–2040(1991). X60365

*C.carpio* complete mitochondrial genome DNA  
 Chang Y.S., Huang F.I.;  
 Unpublished. X61010

*Critchidia oncopelti* mitochondrial ND4, ND5, COI, 12S ribosomal RNA genes for NADH dehydrogenase subunit 4/5, cytochrome oxidase subunit I and 12S ribosomal RNA  
 Maslov D.A., Horvath A., Gwang II K., Kolesnikov A.A.;  
 Unpublished. X56015

Human (Amerindian) mitochondrial DNA fragments  
*NCNGEN01-NCNGEN28*.  
 Ward R.H., Frazier B.L., Dew-Jager K., Paabo S.;  
*Proc. Natl. Acad. Sci. U.S.A.* (In Press) M75991–M76018

Mitochondrion *Oryza sativa* orf25 and cytochrome oxidase subunit III genes, complete cds.  
 Liu A.W., Narayanan K.K., Andre C.P., Kaleikau E.K., Walbot V.;  
 Unpublished. M74241

*Polypterus* sp. mitochondrial cytochrome oxidase II gene, 5' end.  
 Normark B.B., McCune A.R., Harrison R.G.;  
*Mol. Biol. Evol.* (In Press) M64912

*Polypterus* sp. mitochondrial cytochrome b gene, partial cds.  
 Normark B.B., McCune A.R., Harrison R.G.;  
*Mol. Biol. Evol.* (In Press) M64913

Wheat (hybrid) mitochondrial *coxI* gene for cytochrome-c oxidase subunit I and ORF256  
 Rathburn H.B., Hedgcoth C.;  
 Unpublished. X56186

*V.faba* mitochondrial plasmid MtVFPL1 DNA  
 Flamand M.C., Goblet J.P., Duc G., Briquet M.;  
 Unpublished. X59246

*V.faba* mitochondrial plasmid MtVFPL2 DNA  
 Flamand M.C.;  
 Unpublished. X59265

*S.oleracea* AHRI mRNA for acetohydroxy acid reductoisomerase  
 Dumas R., Lebrun M., Douce R.;  
*Biochem. J.* 277:469–475(1991). X57073

Maize chloroplast *rps16* gene for ribosomal protein S16  
 Kanakari S., Timmier G., von Knoblauch K., Subramanian A.R.;  
 Unpublished. X60823

#### PROKARYOTES:

*A. actinomycetemcomitans* LKTA and LKTC genes for leukotoxin.  
 Kolodrubetz J., Dailey T., Kraig E.;  
*Infect. Immun.* 58:920–929(1991). X16829

*Aeromonas hydrophyla* *cphA* gene for metallo B-lactamase  
 Massidda O., Rossolini G.M., Satta G.;  
*J. Bacteriol.* 173:4611–4617(1991). X57102

*Actinobacillus pleuropneumoniae* ORF1 gene, complete cds.  
 Anderson C., Potter A.A., Gerlach G.F.;  
 Unpublished. M74588

*Agmenellum quadruplicatum* Rieske iron-sulfer protein (*petC*) and apocytochrome f precursor (*petA*) gene, complete cds.  
 Widger W.R.;  
 Unpublished. M74514

*Azotobacter vinelandii* ORFs 1,2, and 3 gene, partial cds.  
 Wolfinger E.D., Bishop P.E.;  
 Unpublished. M74768

*Bacteroides fragilis* methyltransferase (*ermFU*) gene, complete cds.  
 Halula M., Manning S., Macrina F.L.;  
*Nucleic Acids Res.* 19:3453–3453(1991). M62487

*B.licheniformis* *bg1* gene for endo-beta-1,3–1,4-D-glucanase  
 Lloberas J., Perez-Pons J.A., Querol E.;  
*Eur. J. Biochem.* 197:337–343(1991). X57279

*Bacillus megaterium* S-adenosy-L-methionine:uroporphyrinogen III methyltransferase (COBA) gene, complete cds.  
 Robin C., Blanche F., Cauchois L., Cameron B., Couder M., Crouzet J.;  
*J. Bacteriol.* 173:4893–4896(1991). M62881

*B.subtilis* *spoVJ* sporulation gene  
 Foulger D., Errington J.;  
*Mol. Microbiol.* 5:1363–1373(1991). X59412

*B.thuringiensis* plasmid *cry IB* gene for delta-endotoxin crystal protein  
 Brizzard B.L., Schnepf H.E., Kronstad J.W.;  
 Unpublished. X60950

*Coxiella burnetii* superoxide dismutase (*sodB*) gene, complete cds.  
 Heinzen R.A., Frazier M.E., Mallavia L.P.;  
 Unpublished. M74242

*Clostridium cellulovorans* endoglucanase (*engB*) gene, complete cds.  
 Foong F., Hamamoto T., Shoseyov O., Doi R.H.;  
*J. Gen. Microbiol.* 137:1729–1736(1991). M75706

- C.difficile toxB and toxA genes for toxins B & A and utxA gene  
Eichel-Streiber C., Laufenberg-Feldmann R., Sartingen S., Schulze J., Sauerborn M.;  
Unpublished. X60984
- Campylobacter jejuni DNA fragment upstream of the tetO gene.  
Wang Y., Taylor D.E.;  
Unpublished. M74450
- C.psittaci MOMP gene for major outer membrane protein  
Storey C., Sefton K., Lusher M., Richmond S.J.;  
Unpublished. X61096
- Clostridium thermosulfurogenes amyA, complete cds, and ORF1, 3' end.  
Bahl H., Burchhardt G., Spreinat A., Haeckel K., Weinecke A., Schmidt B., Antranikian G.;  
Appl. Environ. Microbiol. 57:1554–1559(1991). M57580
- C.thermocellum celF gene for endo-1,4-beta-glucanase  
Navarro A., Chebrou M.C., Beguin P., Aubert J.P.;  
Unpublished. X60545
- C.trachomatis Mouse pneumonitis (MoPn) MOMP gene for major outer membrane protein  
Zhang Y.X., Zhang L.;  
Unpublished. X60678
- E.coli restriction endonuclease (eco57IR) and methylotransferase (eco57IM) genes, complete cds.  
Janulaitis A., Vaisvila R., Timinskas A., Klimasauskas S., Butkus V.;  
Unpublished. M74821
- E.coli anr gene for activator of ntr-like gene  
Kim S., Wulff D.L.;  
Unpublished. X60186
- E.coli ClpB gene for an analogue of ATP-dependent protease regulatory subunit  
Kitagawa M., Wada C., Yoshioka S., Yura T.;  
J. Bacteriol. 173:4247–4253(1991). X57620
- E.coli CS31A fimbrial subunit precursor gene, complete cds.  
Korth M.J., Schneider R.A., Moseley S.L.;  
Infect. Immun. 59:2333–2340(1991). M59905
- Escherichia coli cysS gene for cysteinyl-tRNA synthetase  
Avalos J., Corrochano L.M., Brenner S.;  
FEBS Lett. 286:176–180(1991). X59293
- E.coli LacZ-alpha peptide and beta-lactamase genes, complete cds.  
Maneewannakul K., Maneewannakul S., Ippen-Ihler K.;  
Unpublished. M74750
- E.coli neu S gene for poly-alpha-2,8 sialosyl-sialyltransferase  
Weisgerber C., Hansen A., Frosch M.;  
Glycobiology (In Press). X60598
- E.coli RhsD gene  
Sadosky A.B., Gray J.A., Hill C.W.;  
Unpublished. X60999
- E.coli DNA for segment replacing RhsD  
Sadosky A.B., Gray J.A., Hill C.W.;  
Unpublished. X60997
- E.coli RhsE gene (partial)  
Sadosky A.B., Gray J.A., Hill C.W.;  
Unpublished. X60998
- E. coli transposon Tn1000 (gamma delta) tnpR and tnpA genes for resolvase and transposase  
Broom J.E., Hill D.F., Hughes G., Jones W.A., McNaughton J.C., Stockwell P.A., Petersen G.B.;  
Unpublished. X60200
- E.coli trkA gene for the TrkA protein of the constitutive K+ - transport system Trk  
Hamann A., Bossemeyer A., Schluesser A., Bakker E.P.;  
Unpublished. X52114
- H.gallinarum MHgAI gene for HgAI methylases.  
Sugisaki H., Yamamoto K., Takanami M.;  
J. Biol. Chem. 266:13952–13957(1991). D90363
- Halobacterium halobium plasmid pHH1 p-vac and gvpC gene.  
Horne M., Englert C., Wimmer C., Pfeifer F.;  
Mol. Microbiol. 5:11590–11740(1991). X57161
- H.pylori flaA gene for flagellin  
Leying H.J., Suerbaum C., Meyer T.F., Haas R.;  
Mol. Microbiol. (In Press) X60746
- Herbaspirillum seropedicae nifA (NifA) gene complete CDS, and nifB (NifB) gene 5' end.  
Souza E.M., Funayama S., Rigo L.U., Yates M.G., Pedrosa F.O.;  
J. Gen. Microbiol. 137:1511–1522(1991). M60319
- K.pneumoniae scrK gene for fructokinase  
Aulkemeyer P., Jahreis K.;  
Unpublished. X61004
- L.delbrueckii nifS-like gene (partial)  
Leong-Morgenthaler P.M., Oliver S., Soll D.;  
Unpublished. X61190
- L.helveticus galK, galT and galM genes for galactokinase, galactose-1-P uridylyl transferase and mutarotase, partial cds  
Mollet B., Pilloud N.;  
J. Bacteriol. 173:4464–4473(1991). X57248
- L.illini 5S ribosomal RNA gene B.  
Fukunaga M., Horie I., Mifuchi I., Takemoto M.;  
J. Gen. Microbiol. 137:1523–1528(1991). D90254
- L.lactis gene for a putative transposase  
Van Rooijen R.J., de Vos W.M.;  
Unpublished. X60734
- L.monocytogenes prfA gene  
Mengaud J., Dramsi S., Gouin E., Milon G., Cossart P.F.;  
Unpublished. X61210
- Listeria monocytogenes internalin (inlA, inlB) genes, complete cds.  
Gaillard J.L., Berche P., Frehel C., Gouin E., Cossart P.F.;  
Cell 65:1127–1141(1991). M67471
- M.chalcea aminoglycoside acetyltransferase (aacC9) gene, complete cds.  
Salauze D., Perez-Gonzalez J.A., Piepersberg W., Davies J.;  
Gene 101:143–148(1991). M55427

- M.fervidus slgA gene for a surface layer glycoprotein  
 Broeckl G., Behr M., Fabry S., Hensel R., Kaudewitz H., Biendl E., Koenig H.;  
 Eur. J. Biochem. 199:147–152(1991). X58297
- M.laminosus cpcF and cpcG1-G3 genes for rod-core linker polypeptides  
 Glauser M., Stirewalt V.L., Bryant D.A., Sidler W., Zuber H.;  
 Unpublished. X59763
- M.sociabilis slgA gene for a surface layer glycoprotein  
 Broeckl G., Behr M., Fabry S., Hensel R., Kaudewitz H., Biendl E., Koenig H.;  
 Eur. J. Biochem. 199:147–152(1991). X58296
- N.gonorrhoeae pilS5 gene copy 1  
 Haas R., Veit S., Meyer T.F.;  
 Unpublished. X60748
- N.gonorrhoeae pilS6 gene copies 1, 2 and 3  
 Haas R., Veit S., Meyer T.F.;  
 Unpublished. X60749
- N.gonorrhoeae pilS7 gene copy 1  
 Haas R., Veit S., Meyer T.F.;  
 Unpublished. X60750
- N.gonorrhoeae FA1035 silent pilin gene  
 Haas R., Veit S., Meyer T.F.;  
 Unpublished. X60745
- N.gonorrhoeae Ngr-27 silent pilin gene  
 Haas R., Veit S., Meyer T.F.;  
 Unpublished. X60751
- P.aeruginosa anr gene for a transcriptional activator protein  
 Sawers R.G.;  
 Mol. Microbiol. 5:1469–1481(1991). X58405
- Pseudomonas aeruginosa 6-phosphogluconate dehydratase gene, 5' end, and glyceraldehyde-3-phosphate dehydrogenase gene, 5' end.  
 Temple L.M., Ghristie G.E., Phibbs P.V.Jr.;  
 Unpublished. M74256
- Paracoccus denitrificans ORF1, 3' end; cytochrome c-553i, complete cds; and ORF2, 5' end.  
 Ras J., Reijnders W.N., van Spanning R.J., Harms N., Oltmann L., Stouthamer A.H.;  
 Unpublished. M75583
- P.putida hutU gene for urocanase  
 Fessemeyer M., Frank R., Retey J., Schubert C.;  
 FEBS Lett. 286:55–57(1991). X58483
- R.melioloti plasmid derived nodL gene for probable acetyltransferase  
 Baev N., Kondorosi A.;  
 Unpublished. X61083
- R.melioloti DNA from megaplasmid 2; exoZ gene and exoB gene for UDP-glucose 4'-epimerase.  
 Buendia A.M., Enenkel B., Koepfli R., Niehaus K., Arnold W., Pohler A.;  
 Mol. Biol. 5:1519–1530(1991). X58126
- Streptococcus agalactiae DNA fragment upstream of tetM gene.  
 Wang Y., Taylor D.E.;  
 Unpublished. M74451
- Spiroplasma citri fibril protein gene, complete cds.  
 Williamson D.L., Renaudin J., Bove J.M.;  
 J. Bacteriol. 173:4353–4362(1991). M62504
- Salmonella serovars rfb gene, partial cds.  
 Liu D., Verma N.K., Romana L.K., Reeves P.R.;  
 J. Bacteriol. 173:4814–4819(1991). M65054
- Salmonella enteritidis DNA.  
 Lampel K.A., Hanes D.E.;  
 Unpublished. M73796
- S.marcescens thrA1A2BC genes for aspartokinase, homoserine dehydrogenase, homoserine kinase and threonine synthase  
 Omori K., Suzuki S., Komatsubara S.;  
 Unpublished. X60821
- Streptomyces peucetius duanorubicin (drrA) gene, complete CDS; duanorubicin (drrB) gene, complete CDS; ORF, complete CDS; aklavinone C-11 hydroxylase (dnrf) gene, 5' end.  
 Guilfolie P.G., Hutchinson C.R.;  
 Proc. Natl. Acad. Sci. U.S.A. (In Press) M73758
- Synechococcus sp. psaM gene for photosystem I psaM subunit  
 Haehnel W.H., Nelson N., Witt I.;  
 Unpublished. X59760
- S.typhimurium mdh gene for malate dehydrogenase  
 Lu C.D., Abdelal A.T.;  
 Unpublished. X61029
- S.typhimurium plasmid pUR400 scrK gene for fructokinase  
 Aulkemeyer P., Jahreis K.;  
 Unpublished. X61005
- Synechocystis 6803 ndhH gene  
 Steinmueller K.;  
 Unpublished. X60650
- Synechococcus pds gene for phytoene desaturase  
 Chamovitz D., Pecker I., Hirschberg J.;  
 Plant Mol. Biol. 16:967–974(1991). X55289
- Vibrio cholerae pilin (tcpJ) gene, complete cds.  
 Kaufman M.R., Seyer J.M., Taylor R.K.;  
 Genes Dev. (In Press) M74708

#### VIRUSES:

Alcelaphine herpesvirus 1 (AHV-1) partial internal sequence  
 Murphy M.F., Klieforth R.B., Heuschele W.P.;  
 Unpublished. X55290

Avian retrovirus Myc protein mRNA, 3' end.  
 Tikhonenko A.T., Linial M.L.;  
 Unpublished. M74581

Acholeplasma virus MV-L1 DNA for complete circular genome  
 Jaeger M., Klotz G.;  
 Unpublished. X58839

Bovine immunodeficiency-like virus Env protein (env) mRNA, partial cds.  
 Oberste M.S., Greenwood J.D., Gonda M.A.;  
 J. Virol. 65:3932–3937(1991). M74711

Bovine immunodeficiency-like virus Rev protein 1 (rev1) and Rev protein 2 (rev2) mRNA, complete cds.  
Oberste M.S., Greenwood J.D., Gonda M.A.;  
J. Virol. 65:3932–3937(1991). M74712

Berne virus ORF1a mRNA for putative polymerase (N-term.)  
Snijder E.J., Den Boon J.A., Horzinek M.C., Spaan J.M.;  
J. Gen. Virol. 72:1635–1643(1991). X56016

Barley yellow dwarf virus (isolate NY-RPV) coat protein gene  
Vincent J.R., Ueng P.P., Lister R.M., Larkins B.A.;  
J. Gen. Virol. 71:2791–2799(1990). X17259

Bovine coronavirus S gene mRNA, complete cds.  
Zhang X., Kousoulas K.G., Storz J.;  
Virology 183:397–404(1991). M64667

Bovine coronavirus S gene mRNA, complete cds.  
Zhang X., Kousoulas K.G., Storz J.;  
Virology 183:397–404(1991). M64668

Bovine coronavirus S gene mRNA, complete cds.  
Zhang X., Kousoulas K.G., Storz J.;  
Virology 183:397–404(1991). M64669

Coxsackievirus B3 gene, 5' flank.  
Zhang H., Archard L.C., Kandolf R., Blake N.W., Cunningham L., Yousef G.E.;  
Unpublished. M74567

Equine herpesvirus B1, B3, B5 genes for DNA replication,  
dUTPase, alpha-transinducing factor and B2, B4, B6 and B7 genes  
with unknown or unnamed products  
Whittaker G.R., Riggio M.P., Halliburton I.W., Killington R.A.,  
Allen G.P., Meredith D.M.;  
J. Virol. 65:2320–2326(1991). X17684

Feline calicivirus (FCV) genome, 3'-end, RNA polymerase and  
capsid precursor protein.  
Tohya Y., Taniguchi Y., Takahashi E., Utagawa E., Takeda N.,  
Miyamura K., Yamazaki S., Mikami T.;  
Virology 183:810–814(1991). D90357

Feline immunodeficiency virus gag polyprotein, complete CDS; pol  
polyprotein, 3' end; vif protein, complete CDS; and env  
polyprotein, complete CDS.  
Kiyomasu T., Miyazawa T., Furuya T., Shibata R., Sakai H.,  
Sakuragi J.i., Fukasawa M., Maki N., Hasegawa A., Mikami T.,  
Adachi A.;  
J. Virol. 65:4539–4542(1991). M59418

Influenza A/Gull/Astrakhan/227/84 (H13N6), PB2 polymerase,  
complete cds.  
Gorman O.T., Donis R.O., Kawaoka Y., Webster R.G.;  
J. Virol. 64:4893–4902(1990). M73516

Influenza A/Gull/Maryland/704/77 (H13N6), PB2 polymerase,  
complete cds.  
Gorman O.T., Donis R.O., Kawaoka Y., Webster R.G.;  
J. Virol. 64:4893–4902(1990). M73525

Influenza A/Swine/Iowa/15/30 (H1N1), PB2 polymerase, complete  
cds.  
Gorman O.T., Donis R.O., Kawaoka Y., Webster R.G.;  
J. Virol. 64:4893–4902(1990). M73515

Influenza A/Singapore/1/57 (H2N2), PB2 polymerase, complete  
cds.  
Gorman O.T., Donis R.O., Kawaoka Y., Webster R.G.;  
J. Virol. 64:4893–4902(1990). M73521

Influenza A/Korea/426/68 (H2N2), PB2 polymerase, complete cds.  
Gorman O.T., Donis R.O., Kawaoka Y., Webster R.G.;  
J. Virol. 64:4893–4902(1990). M73524

Influenza A/Memphis/8/88 (H3N2), PB2 polymerase, complete cds.  
Gorman O.T., Donis R.O., Kawaoka Y., Webster R.G.;  
J. Virol. 64:4893–4902(1990). M73517

Influenza A/Equine/Kentucky/2/86 (H3N8), PB2 polymerase,  
complete cds.  
Gorman O.T., Donis R.O., Kawaoka Y., Webster R.G.;  
J. Virol. 64:4893–4902(1990). M73526

Influenza A/Turkey/Minnesota/833/80 (H4N2), PB2 polymerase,  
complete cds.  
Gorman O.T., Donis R.O., Kawaoka Y., Webster R.G.;  
J. Virol. 64:4893–4902(1990). M73514

Influenza A/Seal/Massachusetts/133/82 (H4N5), PB2 polymerase,  
complete cds.  
Gorman O.T., Donis R.O., Kawaoka Y., Webster R.G.;  
J. Virol. 64:4893–4902(1990). M73522

Influenza A/Ruddy Turnstone/New Jersey/47/85 (H4N6), PB2  
polymerase, complete cds.  
Gorman O.T., Donis R.O., Kawaoka Y., Webster R.G.;  
J. Virol. 64:4893–4902(1990). M73518

Influenza A/Budgerigar/Hokkaido/1/77 (H4N6), PB2 polymerase,  
complete cds.  
Gorman O.T., Donis R.O., Kawaoka Y., Webster R.G.;  
J. Virol. 64:4893–4902(1990). M73523

Influenza A/Equine/Prague/1/56 (H7N7), PB2 polymerase,  
complete cds.  
Gorman O.T., Donis R.O., Kawaoka Y., Webster R.G.;  
J. Virol. 64:4893–4902(1990). M73519

Influenza A/Equine/London/1416/73 (H7N7), PB2 polymerase,  
complete cds.  
Gorman O.T., Donis R.O., Kawaoka Y., Webster R.G.;  
J. Virol. 64:4893–4902(1990). M73520

Herpes simplex virus 1 immediate-early protein ICP27 gene,  
partial cds.  
Smith I.L., Sekulovich R.E., Hardwicke M.A., Sandri-Goldin  
R.M.;  
J. Virol. 65:3656–3666(1991). M74710

Human endogenous retrovirus type c oncavirus, complete sequence.  
Yeh K.H., Huang H.C., Yen C.P., Liu J.C., Feng Y.N., Wu  
F.Y.H., Yang W.K., Wu C.W.;  
Unpublished. M74509

Human immunodeficiency virus type 2 long terminal repeat region,  
partial sequence, clone 15.  
Whitcomb J.M., Hughes S.H.;  
J. Virol. 65:3906–3910(1991). M74754–M74767

Human immunodeficiency virus type 1 nef gene sequence.  
Kohleisen B., Neumann M., Herrmann R., Brack-Werner R.,  
Krohn K.J., Ovod V., Ranki A., Erfle V.;  
Unpublished. M74426

Hepatitis C virus isolate FF25905 genome, 5' untranslated region.  
Cha T.A., Kolberg J., Irvine B., Stempien M., Beall E., Yano M., Choo Q.L., Houghton M., Kuo G., Han J.H., Urdea M.S.; Unpublished. M74243

Hepatitis C virus isolate I124 genome, 5' untranslated region.  
Cha T.A., Kolberg J., Irvine B., Stempien M., Beall E., Yano M., Choo Q.L., Houghton M., Kuo G., Han J.H., Urdea M.S.; Unpublished. M74252

Hepatitis C virus isolate I1 genome, 5' untranslated region.  
Cha T.A., Kolberg J., Irvine B., Stempien M., Beall E., Yano M., Choo Q.L., Houghton M., Kuo G., Han J.H., Urdea M.S.; Unpublished. M74253

Hepatitis C virus isolate I24 genome, 5' untranslated region.  
Cha T.A., Kolberg J., Irvine B., Stempien M., Beall E., Yano M., Choo Q.L., Houghton M., Kuo G., Han J.H., Urdea M.S.; Unpublished. M74254

Hepatitis C virus isolate I128 genome, 5' untranslated region.  
Cha T.A., Kolberg J., Irvine B., Stempien M., Beall E., Yano M., Choo Q.L., Houghton M., Kuo G., Han J.H., Urdea M.S.; Unpublished. M74255

Hepatitis C virus isolate NB021 genome, 5' untranslated region.  
Cha T.A., Kolberg J., Irvine B., Stempien M., Beall E., Yano M., Choo Q.L., Houghton M., Kuo G., Han J.H., Urdea M.S.; Unpublished. M74244

Hepatitis C virus isolate 184 genome, 5' untranslated region.  
Cha T.A., Kolberg J., Irvine B., Stempien M., Beall E., Yano M., Choo Q.L., Houghton M., Kuo G., Han J.H., Urdea M.S.; Unpublished. M74245

Hepatitis C virus isolate J14 genome, 5' untranslated region.  
Cha T.A., Kolberg J., Irvine B., Stempien M., Beall E., Yano M., Choo Q.L., Houghton M., Kuo G., Han J.H., Urdea M.S.; Unpublished. M74251

Lymphocytic choriomeningitis virus polymerase gene, partial cds.  
Salvato M., Borrow P., Shimomaye E., Oldstone M.B.A.; J. Virol. 65:1863–1869(1991). M64450–M64452

Murine leukemia virus gag protein, complete cds.  
Chattopadhyay S.K., SenGupta D.N., Fredrickson T.N., Morse H.C.III., Hartley J.W.; J. Virol. 65:4232–4241(1991). M64095–M64096

Human papillomavirus type 5b complete genome.  
Yabe Y., Sakai A., Hitsumoto T., Kato H., Ogura H.; Virology 183:793–798(1991). D90252

Canine parvovirus (isolate 39) capsid protein VP1 (VP-1) and capsid protein VP2 (VP-2) gene, complete cds.  
Parrish C.R., Aquadro C.F., Strassheim M.L., Evermann J.F., Sgro J.Y., Mohammed H.O.; Unpublished. M74849

Canine parvovirus (isolate 133) capsid protein VP1 (VP-1) and capsid protein VP2 (VP-2) gene, complete cds.  
Parrish C.R., Aquadro C.F., Strassheim M.L., Evermann J.F., Sgro J.Y., Mohammed H.O.; Unpublished. M74852

Plum Pox Virus partial genome polyprotein mRNA for CI, 6K, NIa, NIb and coat protein genes  
Wetzel T., Candresse T., Ravelonandro M., Delbos R.P., Mazyad H., Aboul-Ata A.E., Dunez J.; J. Gen. Virol. 72:1741–1746(1991). X56258

Group C porcine Rotavirus NS53 mRNA  
Bromont M., Brottier P., Chabanne-Vautherot D., Cohen J.; Unpublished. X60546

Peanut stunt virus coat protein mRNA  
Naidu R.A., Collins G.B., Ghabrial S.A.; Plant Mol. Biol. 17:175–177(1991). X56544

Human respiratory syncytial virus nonstructural protein 1, nonstructural protein 2, nucleocapsid protein, phosphoprotein, matrix protein, small hydrophobic protein, glycoprotein, fusion glycoprotein, 22K/M2 protein and L protein mRNA, complete cds.  
Stec D.S., Hill M.G.III., Collins P.L.; Virology 183:273–287(1991). M74568

Simian foamy virus type-1 gag gene (complete cds) and pol gene (partial cds)  
Mergia A., Luciw P.A.; Virology 184:475–482(1991). X58484

Simian Foamy Virus type 1, complete genome  
Kupiec J.J., Kay A., Hayat M., Ravier R., Peries J., Galibert F.; Gene 101:185–194(1991). X54482

Simian immunodeficiency virus envelope gene, partial sequence, clone 1A11.SU.  
Planelles V., Haigwood N.L., Luciw P.A.; AIDS Res. Hum. Retroviruses (In Press) M74144

Simian immunodeficiency virus (isolate SAB381) pol gene, partial cds.  
Allan J.S., Short M., Taylor M.E., Su S., Hirsch V.M., Johnson P.R., Shaw G.M., Hahn B.H.; J. Virol. 65:2816–2828(1991). M73537–M73538

Simian immunodeficiency virus (isolate SAB384) pol gene, partial cds, clone M13–4/4.  
Allan J.S., Short M., Taylor M.E., Su S., Hirsch V.M., Johnson P.R., Shaw G.M., Hahn B.H.; J. Virol. 65:2816–2828(1991). M73539

Satellite of tobacco necrosis virus coat protein gene, complete cds.  
van Emmelo J., Pleij C.W., Van Montagu M., Seurinck J., Danthinne X.; Unpublished. M64479

Flavivirus langat structural polyprotein gene, 5' end.  
Mandl C.W., Iacono-Connors L., Wallner G., Holzmann H., Kunz C., Heinz F.X.; Unpublished. M73835

#### BACTERIOPHAGES:

Bacteriophage Phi-C31 attP phage attachment site crossover region and 3 ORF's  
Rausch H.; Unpublished. X57036

Bacteriophage 434 excisionase (xis) gene, 5' end and integrase (int) gene, complete cds.  
Baker J., Limberger R., Schneider S.J., Campbell A.; Unpublished. M60848

**SYNTHETICS:**

Synthetic expression vector pUC18cpPRV constructed from cauliflower mosaic virus 35S gene-regulatory elements, papaya ringspot virus coat protein coding sequence, and the 5' untranslated region of the cucumber mosaic virus coat protein, 3' end.

Slightom J.L.;  
Gene 100:251–255(1991). M74306

Synthetic expression vector pUC18cpPRV, constructed from cauliflower mosaic virus 35S gene-regulatory elements, papaya ringspot virus coat protein coding sequence, and the 5' untranslated region of cucumber mosaic virus coat protein, 5' end.

Slightom J.L.;  
Gene 100:251–255(1991). M74305

Synthetic GAPDH/YB-1 fusion protein mRNA, 5' flank.

Shaughnessy M., Wistow G.J.;  
Unpublished. M74580

Synthetic gene derived from human retinoblastoma (RB) gene cDNA and human beta-actin promoter.

Takahashi R., Xu H.J., Hu S.X., Matsui T., Miki T., Bigo-Marshall H., Aaronson S.A., Benedict W.F., Hashimoto T.;  
Proc. Natl. Acad. Sci. U.S.A. 88:5257–5261(1991). M74313

Sequence of the oligonucleotide primer used to construct synthetic promoter P syn.

Wang X., Ooi B.G., Miller L.K.;  
Gene 100:131–137(1991). M74304

Multiple cloning site of cloning vectors pUC21, pUK21 and pOK12.

Vieira J., Messing J.;  
Gene 100:189–194(1991). M74307

Multiple cloning site of cloning vector pUC6S.

Vieira J., Messing J.;  
Gene 100:189–194(1991). M74308