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**Gapped BLAST and PSI-BLAST: a new generation of protein database search programs**

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2043	Genomic organization of a 225-kb region in Xq28 containing the gene for X-linked myotubular myopathy (MTM1) and a related gene (MTMR1). <b>1998</b> , 54, 256-66	22
2042	Evolutionarily conserved, "acatalytic" carbonic anhydrase-related protein XI contains a sequence motif present in the neuropeptide sauvagine: the human CA-RP XI gene (CA11) is embedded between the secretor gene cluster and the DBP gene at 19q13.3. <b>1998</b> , 54, 484-93	31
2041	cDNA cloning and gene mapping of human homologs for <i>Schizosaccharomyces pombe</i> rad17, rad1, and hus1 and cloning of homologs from mouse, <i>Caenorhabditis elegans</i> , and <i>Drosophila melanogaster</i> . <b>1998</b> , 54, 424-36	46
2040	Genes for the CPE receptor (CPETR1) and the human homolog of RVP1 (CPETR2) are localized within the Williams-Beuren syndrome deletion. <b>1998</b> , 54, 453-9	41
2039	Merging extracellular domains: fold prediction for laminin G-like and amino-terminal thrombospondin-like modules based on homology to pentraxins. <b>1998</b> , 275, 725-30	76
2038	Derivation of the three-dimensional architecture of bacterial ribonuclease P RNAs from comparative sequence analysis. <b>1998</b> , 279, 773-93	218
2037	Dynamic sequence databank searching with templates and multiple alignment. <b>1998</b> , 280, 375-406	24
2036	Homology-based fold predictions for <i>Mycoplasma genitalium</i> proteins. <b>1998</b> , 280, 323-6	100
2035	Functional analysis of the <i>Escherichia coli</i> genome using the sequence-to-structure-to-function paradigm: identification of proteins exhibiting the glutaredoxin/thioredoxin disulfide oxidoreductase activity. <b>1998</b> , 282, 703-11	87
2034	An extracellular beta-propeller module predicted in lipoprotein and scavenger receptors, tyrosine kinases, epidermal growth factor precursor, and extracellular matrix components. <b>1998</b> , 283, 837-62	169
2033	Predicting function: from genes to genomes and back. <b>1998</b> , 283, 707-25	370
2032	Sequence comparisons using multiple sequences detect three times as many remote homologues as pairwise methods. <b>1998</b> , 284, 1201-10	449
2031	Structural research on surface layers: a focus on stability, surface layer homology domains, and surface layer-cell wall interactions. <b>1998</b> , 124, 276-302	194
2030	DNA sequence analysis and comparative sequencing. <b>1998</b> , 14, 160-78	5
2029	A cDNA encoding a pepsinogen-like, aspartic protease from the human roundworm parasite <i>Strongyloides stercoralis</i> . <b>1998</b> , 71, 17-26	17
2028	Identification of motifs in protein sequences. <b>2001</b> , Appendix 1, Appendix 1C	

2027	Recognition specificity of individual EH domains of mammals and yeast. <b>1998</b> , 17, 6541-50		95
2026	Dbp5p/Rat8p is a yeast nuclear pore-associated DEAD-box protein essential for RNA export. <b>1998</b> , 17, 2663-76		214
2025	Dorsoventral patterning in the Drosophila central nervous system: the intermediate neuroblasts defective homeobox gene specifies intermediate column identity. <b>1998</b> , 12, 3591-602		183
2024	Sirohaem sulfite reductase and other proteins encoded by genes at the dsr locus of <i>Chromatium vinosum</i> are involved in the oxidation of intracellular sulfur. <b>1998</b> , 144 ( Pt 7), 1881-1894		152
2023	Mass spectrometric analysis of the anaphase-promoting complex from yeast: identification of a subunit related to cullins. <b>1998</b> , 279, 1216-9		296
2022	Association of unconventional myosin MYO15 mutations with human nonsyndromic deafness DFNB3. <b>1998</b> , 280, 1447-51		363
2021	Extended life-span and stress resistance in the Drosophila mutant methuselah. <b>1998</b> , 282, 943-6		604
2020	Comparison of the complete protein sets of worm and yeast: orthology and divergence. <b>1998</b> , 282, 2022-8		339
2019	Three novel proteins of the syntaxin/SNAP-25 family. <b>1998</b> , 273, 34171-9		164
2018	The Signal Recognition Particle Database (SRPDB). <i>Nucleic Acids Research</i> , <b>1998</b> , 26, 177-8	20.1	31
2017	The tmRNA Website. <i>Nucleic Acids Research</i> , <b>1998</b> , 26, 163-5	20.1	31
2016	Forum domain in <i>Drosophila melanogaster</i> cut locus possesses looped domains inside. <i>Nucleic Acids Research</i> , <b>1998</b> , 26, 3221-7	20.1	11
2015	The ProDom database of protein domain families. <i>Nucleic Acids Research</i> , <b>1998</b> , 26, 323-6	20.1	157
2014	Functional analysis of the secretory precursor processing machinery of <i>Bacillus subtilis</i> : identification of a eubacterial homolog of archaeal and eukaryotic signal peptidases. <b>1998</b> , 12, 2318-31		140
2013	Phosphoesterase domains associated with DNA polymerases of diverse origins. <i>Nucleic Acids Research</i> , <b>1998</b> , 26, 3746-52	20.1	203
2012	The major resistance gene cluster in lettuce is highly duplicated and spans several megabases. <b>1998</b> , 10, 1817-32		274
2011	The promoter of LE-ACS7, an early flooding-induced 1-aminocyclopropane-1-carboxylate synthase gene of the tomato, is tagged by a Sol3 transposon. <b>1998</b> , 95, 10334-9		96
2010	A novel nuclear member of the thioredoxin superfamily. <b>1998</b> , 118, 987-96		46

2009	GeneMark.hmm: new solutions for gene finding. <i>Nucleic Acids Research</i> , <b>1998</b> , 26, 1107-15	20.1	1095
2008	Unconventional organization of the division and cell wall gene cluster of <i>Streptococcus pneumoniae</i> . <b>1998</b> , 144 ( Pt 11), 3069-3078		63
2007	A mutation within the leucine-rich repeat domain of the Arabidopsis disease resistance gene RPS5 partially suppresses multiple bacterial and downy mildew resistance genes. <b>1998</b> , 10, 1439-52		259
2006	Large-scale protein structure modeling of the <i>Saccharomyces cerevisiae</i> genome. <b>1998</b> , 95, 13597-602		314
2005	Superior performance in protein homology detection with the Blocks Database servers. <i>Nucleic Acids Research</i> , <b>1998</b> , 26, 309-12	20.1	46
2004	A gamete-specific, sex-limited homeodomain protein in <i>Chlamydomonas</i> . <b>1998</b> , 143, 1971-80		48
2003	Toprim--a conserved catalytic domain in type IA and II topoisomerases, DnaG-type primases, OLD family nucleases and RecR proteins. <i>Nucleic Acids Research</i> , <b>1998</b> , 26, 4205-13	20.1	290
2002	Identification of morc (microrchidia), a mutation that results in arrest of spermatogenesis at an early meiotic stage in the mouse. <b>1998</b> , 95, 14361-6		68
2001	Histone Sequence Database: new histone fold family members. <i>Nucleic Acids Research</i> , <b>1998</b> , 26, 372-5	20.1	32
2000	Protein sequence similarity searches using patterns as seeds. <i>Nucleic Acids Research</i> , <b>1998</b> , 26, 3986-90	20.1	238
1999	A functional homolog of a yeast tRNA splicing enzyme is conserved in higher eukaryotes and in <i>Escherichia coli</i> . <b>1998</b> , 95, 14136-41		49
1998	Cloning and functional expression of a cDNA encoding a pheromone gland-specific acyl-CoA Delta11-desaturase of the cabbage looper moth, <i>Trichoplusia ni</i> . <b>1998</b> , 95, 15287-92		99
1997	The three-dimensional structure of 4-hydroxybenzoyl-CoA thioesterase from <i>Pseudomonas</i> sp. Strain CBS-3. <b>1998</b> , 273, 33572-9		98
1996	Identification of a novel bone morphogenetic protein-responsive gene that may function as a noncoding RNA. <b>1998</b> , 273, 17079-85		44
1995	Golgi localization and functional expression of human uridine diphosphatase. <b>1998</b> , 273, 11392-9		93
1994	Analogous enzymes: independent inventions in enzyme evolution. <b>1998</b> , 8, 779-90		204
1993	The novel substrate recognition mechanism utilized by aspartate aminotransferase of the extreme thermophile <i>Thermus thermophilus</i> HB8. <b>1998</b> , 273, 29554-64		28
1992	Cloning and characterization of a novel matrix metalloproteinase (MMP), CMMP, from chicken embryo fibroblasts. CMMP, <i>Xenopus</i> XMMP, and human MMP19 have a conserved unique cysteine in the catalytic domain. <b>1998</b> , 273, 17893-900		50

1991	Fab1p is essential for PtdIns(3)P 5-kinase activity and the maintenance of vacuolar size and membrane homeostasis. <b>1998</b> , 143, 65-79	356
1990	Impaired assembly of E1 decarboxylase of the branched-chain alpha-ketoacid dehydrogenase complex in type IA maple syrup urine disease. <b>1998</b> , 273, 13110-8	34
1989	Novel families of putative protein kinases in bacteria and archaea: evolution of the "eukaryotic" protein kinase superfamily. <b>1998</b> , 8, 1038-47	253
1988	Characterization of two LGR genes homologous to gonadotropin and thyrotropin receptors with extracellular leucine-rich repeats and a G protein-coupled, seven-transmembrane region. <b>1998</b> , 12, 1830-45	220
1987	Molecular cloning of two alternatively spliced forms of human phosphatidic acid phosphatase cDNAs that are differentially expressed in normal and tumor cells. <b>1998</b> , 17, 377-85	51
1986	Alignments without low-scoring regions. <b>1998</b> , 5, 197-210	39
1985	A phylogenomic study of the MutS family of proteins. <i>Nucleic Acids Research</i> , <b>1998</b> , 26, 4291-300	20.1 152
1984	Cloning and overexpression of glycosyltransferases that generate the lipopolysaccharide core of <i>Rhizobium leguminosarum</i> . <b>1998</b> , 273, 26432-40	33
1983	Activation of extracellular signal-regulated kinase 2 by a novel Abl-binding protein, ST5. <b>1998</b> , 273, 16608-14	27
1982	Y'-Help1, a DNA helicase encoded by the yeast subtelomeric Y' element, is induced in survivors defective for telomerase. <b>1998</b> , 273, 33360-6	68
1981	Cloning of a novel receptor subunit, AcPL, required for interleukin-18 signaling. <b>1998</b> , 273, 29445-50	259
1980	A heterodimeric DNA polymerase: evidence that members of Euryarchaeota possess a distinct DNA polymerase. <b>1998</b> , 95, 14250-5	121
1979	Identification of a novel 81-kDa component of the <i>Xenopus</i> origin recognition complex. <b>1998</b> , 273, 24891-7	24
1978	NHE-RF, a regulatory cofactor for Na(+)-H+ exchange, is a common interactor for merlin and ERM (MERM) proteins. <b>1998</b> , 273, 1273-6	204
1977	Cloning and localization of two multigene receptor families in goldfish olfactory epithelium. <b>1998</b> , 95, 11987-92	126
1976	Characterization of two human genes encoding acyl coenzyme A:cholesterol acyltransferase-related enzymes. <b>1998</b> , 273, 26765-71	306
1975	A human SPT3-TAFII31-GCN5-L acetylase complex distinct from transcription factor IID. <b>1998</b> , 273, 23781-5	160
1974	Molecular cloning and expression of a novel human trans-Golgi network glycoprotein, TGN51, that contains multiple tyrosine-containing motifs. <b>1998</b> , 273, 981-8	26

1973	Down-regulation of transmembrane carbonic anhydrases in renal cell carcinoma cell lines by wild-type von Hippel-Lindau transgenes. <b>1998</b> , 95, 12596-601	322
1972	Dexamethasone rapidly induces a novel ras superfamily member-related gene in AtT-20 cells. <b>1998</b> , 273, 3129-31	125
1971	The Orc4p and Orc5p subunits of the Xenopus and human origin recognition complex are related to Orc1p and Cdc6p. <b>1998</b> , 273, 32421-9	78
1970	Second Family of Histone Deacetylases. <b>1998</b> , 280, 1167a-1167	32
1969	A human brain L-3-hydroxyacyl-coenzyme A dehydrogenase is identical to an amyloid beta-peptide-binding protein involved in Alzheimer's disease. <b>1998</b> , 273, 10741-6	94
1968	Heat-stress response of maize mitochondria. <b>1998</b> , 116, 1097-110	66
1967	The Oct-1 POU domain activates snRNA gene transcription by contacting a region in the SNAPc largest subunit that bears sequence similarities to the Oct-1 coactivator OBF-1. <b>1998</b> , 12, 3528-40	48
1966	Purification, characterization, and cloning of an S-adenosylmethionine-dependent 3-amino-3-carboxypropyltransferase in nocardicin biosynthesis. <b>1998</b> , 273, 30695-703	36
1965	Structure-based assignment of the biochemical function of a hypothetical protein: a test case of structural genomics. <b>1998</b> , 95, 15189-93	276
1964	The PR domain of the Rb-binding zinc finger protein RIZ1 is a protein binding interface and is related to the SET domain functioning in chromatin-mediated gene expression. <b>1998</b> , 273, 15933-9	118
1963	Chromosomal arm replacement generates a high level of intraspecific polymorphism in the terminal inverted repeats of the linear chromosomal DNA of <i>Streptomyces ambofaciens</i> . <b>1998</b> , 95, 14296-301	41
1962	Eucalypt NADP-dependent isocitrate dehydrogenase. cDNA cloning and expression in ectomycorrhizae. <b>1998</b> , 117, 939-48	16
1961	Sequence analysis of the cupin gene family in <i>Synechocystis</i> PCC6803. <b>1998</b> , 3, 141-8	15
1960	Expression of the dopamine D3 receptor protein in the rat kidney. <b>1998</b> , 32, 886-95	64
1959	The Pufferfish Gene Map. <b>1998</b> , 39, 249-256	3
1958	Collagen XVIII is a basement membrane heparan sulfate proteoglycan. <b>1998</b> , 273, 25404-12	247
1957	Transposon tagging of the Defective embryo and meristems gene of tomato. <b>1998</b> , 10, 877-88	31
1956	Cloning and characterization of AtRGP1. A reversibly autoglycosylated arabidopsis protein implicated in cell wall biosynthesis. <b>1998</b> , 116, 1339-50	78



1955	Molecular cloning of the cDNA encoding pp36, a tyrosine-phosphorylated adaptor protein selectively expressed by T cells and natural killer cells. <b>1998</b> , 187, 1157-61		132
1954	cDNA cloning and characterization of sciellin, a LIM domain protein of the keratinocyte cornified envelope. <b>1998</b> , 273, 31547-54		32
1953	Identification of differentially expressed mRNA in prokaryotic organisms by customized amplification libraries (DECAL): the effect of isoniazid on gene expression in Mycobacterium tuberculosis. <b>1998</b> , 95, 13227-32		92
1952	Involvement of waaY, waaQ, and waaP in the modification of Escherichia coli lipopolysaccharide and their role in the formation of a stable outer membrane. <b>1998</b> , 273, 26310-6		127
1951	The ferredoxin-dependent conversion of glyceraldehyde-3-phosphate in the hyperthermophilic archaeon Pyrococcus furiosus represents a novel site of glycolytic regulation. <b>1998</b> , 273, 28149-54		83
1950	Inhibition of Hsp70 ATPase activity and protein renaturation by a novel Hsp70-binding protein. <b>1998</b> , 273, 32883-8		85
1949	The mouse Y chromosome interval necessary for spermatogonial proliferation is gene dense with syntenic homology to the human AZFa region. <b>1998</b> , 7, 1713-24		91
1948	The Genome Sequence DataBase (GSDb): improving data quality and data access. <i>Nucleic Acids Research</i> , <b>1998</b> , 26, 21-6	20.1	15
1947	Cytoplasmic ribosomal protein genes of the fission yeast Schizosaccharomyces pombe display a unique promoter type: a suggestion for nomenclature of cytoplasmic ribosomal proteins in databases. <i>Nucleic Acids Research</i> , <b>1998</b> , 26, 3319-22	20.1	19
1946	CUS2, a yeast homolog of human Tat-SF1, rescues function of misfolded U2 through an unusual RNA recognition motif. <b>1998</b> , 18, 5000-9		69
1945	Identification of a proline-binding motif regulating CD2-triggered T lymphocyte activation. <b>1998</b> , 95, 14897-902		89
1944	A single amino acid, glu146, governs the substrate specificity of a human dopamine sulfotransferase, SULT1A3. <b>1998</b> , 54, 942-8		81
1943	Systematic identification of essential genes by in vitro mariner mutagenesis. <b>1998</b> , 95, 8927-32		247
1942	Mammalian cytidine 5'-monophosphate N-acetylneuraminic acid synthetase: a nuclear protein with evolutionarily conserved structural motifs. <b>1998</b> , 95, 9140-5		111
1941	Structural assignments to the Mycoplasma genitalium proteins show extensive gene duplications and domain rearrangements. <b>1998</b> , 95, 14658-63		133
1940	Measuring genome evolution. <b>1998</b> , 95, 5849-56		383
1939	Rpp2, an essential protein subunit of nuclear RNase P, is required for processing of precursor tRNAs and 35S precursor rRNA in Saccharomyces cerevisiae. <b>1998</b> , 95, 6716-21		35
1938	Yeast Ty1 retrotransposition is stimulated by a synergistic interaction between mutations in chromatin assembly factor I and histone regulatory proteins. <b>1998</b> , 18, 4783-92		54

1937	Pbp1p, a factor interacting with <i>Saccharomyces cerevisiae</i> poly(A)-binding protein, regulates polyadenylation. <b>1998</b> , 18, 7383-96	154
1936	Activity of the yeast MNN1 alpha-1,3-mannosyltransferase requires a motif conserved in many other families of glycosyltransferases. <b>1998</b> , 95, 7945-50	320
1935	SMART, a simple modular architecture research tool: identification of signaling domains. <b>1998</b> , 95, 5857-64	3017
1934	Diminished expression of renal dopamine D1A receptors in the kidney inner medulla of the spontaneously hypertensive rat. <b>1998</b> , 16, 601-8	19
1933	Purification and characterization of high- and low-molecular-mass isoforms of phosphoenolpyruvate carboxylase from <i>Chlamydomonas reinhardtii</i> . Kinetic, structural and immunological evidence that the green algal enzyme is distinct from the prokaryotic and higher plant enzymes. <b>1998</b> , 331 ( Pt 1), 201-9	52
1932	Neuropathy target esterase and a homologous <i>Drosophila</i> neurodegeneration-associated mutant protein contain a novel domain conserved from bacteria to man. <b>1998</b> , 332 ( Pt 1), 1-4	132
1931	Molecular cloning and functional expression of a novel human gene encoding two 41-43 kDa skeletal muscle internal membrane proteins. <b>1998</b> , 335 ( Pt 3), 549-56	20
1930	Clustering of the YNA1 gene encoding a Zn(II)2Cys6 transcriptional factor in the yeast <i>Hansenula polymorpha</i> with the nitrate assimilation genes YNT1, YNI1 and YNR1, and its involvement in their transcriptional activation. <b>1998</b> , 335 ( Pt 3), 647-52	45
1929	Zebrafish expressed sequence tags and their applications. <b>1999</b> , 60, 213-33	26
1928	Zebrafish YAC, BAC, and PAC genomic libraries. <b>1999</b> , 60, 235-58	36
1927	Expression and regulation of phosphate stress inducible genes in <i>Sinorhizobium meliloti</i> . <b>1998</b> , 11, 1094-101	33
1926	Sequences Related to Transposable Elements and Bacteriophages Flank Avirulence Genes of <i>Pseudomonas syringae</i> . <b>1998</b> , 11, 1247-1252	61
1925	Neurexophilins form a conserved family of neuropeptide-like glycoproteins. <b>1998</b> , 18, 3630-8	69
1924	A unified statistical framework for sequence comparison and structure comparison. <b>1998</b> , 95, 5913-20	247
1923	Janus Kinases and Focal Adhesion Kinases Play in the 4.1 Band: A Superfamily of Band 4.1 Domains Important for Cell Structure and Signal Transduction. <b>1998</b> , 4, 751-769	84
1922	Detection of multiple insertions of group I introns in the nuclear small subunit ribosomal RNA gene from the ustilaginomycete <i>Graphiola phoenicis</i> parasitic on palm. <b>1998</b> , 44, 355-360	
1921	Trans-splicing group II introns in plant mitochondria: the complete set of cis-arranged homologs in ferns, fern allies, and a hornwort. <b>1998</b> , 4, 1599-609	79
1920	The epithelial inward rectifier channel Kir7.1 displays unusual K <sup>+</sup> permeation properties. <b>1998</b> , 18, 8625-36	130

1919	Molecular cloning and characterization of Tap, a putative multidrug efflux pump present in <i>Mycobacterium fortuitum</i> and <i>Mycobacterium tuberculosis</i> . <b>1998</b> , 180, 5836-43	151
1918	Gas vesicle genes identified in <i>Bacillus megaterium</i> and functional expression in <i>Escherichia coli</i> . <b>1998</b> , 180, 2450-8	74
1917	Kir2.4: a novel K <sup>+</sup> inward rectifier channel associated with motoneurons of cranial nerve nuclei. <b>1998</b> , 18, 4096-105	95
1916	What's for dinner?: Entner-Doudoroff metabolism in <i>Escherichia coli</i> . <b>1998</b> , 180, 3495-502	215
1915	Identification of a human PTS1 receptor docking protein directly required for peroxisomal protein import. <b>1998</b> , 95, 8087-92	146
1914	The t(4;14) Translocation in Myeloma Dysregulates Both FGFR3 and a Novel Gene, MMSET, Resulting in IgH/MMSET Hybrid Transcripts. <b>1998</b> , 92, 3025-3034	434
1913	Does disparate occurrence of autoregulatory programmed frameshifting in decoding the release factor 2 gene reflect an ancient origin with loss in independent lineages?. <b>1998</b> , 180, 3462-6	4
1912	How to interpret an anonymous bacterial genome: machine learning approach to gene identification. <b>1998</b> , 8, 1154-71	98
1911	Highly specific protein sequence motifs for genome analysis. <b>1998</b> , 95, 5865-71	151
1910	Assessing sequence comparison methods with reliable structurally identified distant evolutionary relationships. <b>1998</b> , 95, 6073-8	438
1909	Bacterial Type I Signal Peptidases. <b>1999</b> , 219-231	
1908	Lack of cell wall peptidoglycan versus penicillin sensitivity: new insights into the chlamydial anomaly. <b>1999</b> , 43, 2339-44	79
1907	Nonactin biosynthesis: the product of nonS catalyzes the formation of the furan ring of nonactin acid. <b>1999</b> , 43, 1662-8	55
1906	The chondroitin sulfate proteoglycans neurocan and phosphacan are expressed by reactive astrocytes in the chronic CNS glial scar. <b>1999</b> , 19, 10778-88	402
1905	Structure-based functional motif identifies a potential disulfide oxidoreductase active site in the serine/threonine protein phosphatase-1 subfamily. <b>1999</b> , 13, 1866-74	75
1904	A lobster phospholipase C-beta that associates with G-proteins in response to odorants. <b>1999</b> , 19, 4881-8	24
1903	Isolation of polymyxin B-susceptible mutants of <i>Burkholderia pseudomallei</i> and molecular characterization of genetic loci involved in polymyxin B resistance. <b>1999</b> , 43, 2648-56	66
1902	Analysis of the bla(toho) gene coding for Toho-2-beta-lactamase. <b>1999</b> , 43, 2576-7	10

1901	Involvement of an active efflux system in the natural resistance of <i>Pseudomonas aeruginosa</i> to aminoglycosides. <b>1999</b> , 43, 2624-8	310
1900	Characterization of a <i>Pseudomonas aeruginosa</i> efflux pump contributing to aminoglycoside impermeability. <b>1999</b> , 43, 2975-83	193
1899	Cloning and characterization of blaVIM, a new integron-borne metallo-beta-lactamase gene from a <i>Pseudomonas aeruginosa</i> clinical isolate. <b>1999</b> , 43, 1584-90	499
1898	The evolutionarily conserved Dim1 protein defines a novel branch of the thioredoxin fold superfamily. <b>1999</b> , 1, 109-18	20
1897	Isoforms of the Na-K-2Cl cotransporter in murine TAL I. Molecular characterization and intrarenal localization. <b>1999</b> , 276, F347-58	46
1896	Evolution of gene expression patterns in a model of branching morphogenesis. <b>1999</b> , 277, F650-63	18
1895	Programmed cell death in procyclic form <i>Trypanosoma brucei rhodesiense</i> --identification of differentially expressed genes during con A induced death. <b>1999</b> , 94, 229-34	37
1894	Characterization of a new enterococcal gene, satG, encoding a putative acetyltransferase conferring resistance to Streptogramin A compounds. <b>1999</b> , 43, 1813-4	71
1893	Genetic characterization of antimicrobial resistance in Canadian isolates of <i>Salmonella</i> serovar Typhimurium DT104. <b>1999</b> , 43, 3018-21	154
1892	Expression of thyrotropin-releasing hormone messenger RNA in human pituitary adenomas with follicle-stimulating hormone immunoreactivity. <b>1999</b> , 5, 10-6	1
1891	The nolL gene from <i>Rhizobium etli</i> determines nodulation efficiency by mediating the acetylation of the fucosyl residue in the nodulation factor. <b>1999</b> , 12, 236-46	41
1890	The supporting-cell antigen: a receptor-like protein tyrosine phosphatase expressed in the sensory epithelia of the avian inner ear. <b>1999</b> , 19, 4815-27	27
1889	Phylogenetic analysis of nuclear ribosomal DNA places the nematode parasite, <i>Drechmeria coniospora</i> , in Clavicipitaceae. <b>1999</b> , 91, 993-1000	11
1888	A method for designing primer sets for speciation studies in filamentous ascomycetes. <b>1999</b> , 91, 553-556	1503
1887	The identification and characterization of a novel splicing protein, lsy1p, of <i>Saccharomyces cerevisiae</i> . <b>1999</b> , 5, 360-8	35
1886	The yeast <i>Saccharomyces cerevisiae</i> YDL112w ORF encodes the putative 2'-O-ribose methyltransferase catalyzing the formation of Gm18 in tRNAs. <b>1999</b> , 5, 66-81	75
1885	16S ribosomal RNA pseudouridine synthase RsuA of <i>Escherichia coli</i> : deletion, mutation of the conserved Asp102 residue, and sequence comparison among all other pseudouridine synthases. <b>1999</b> , 5, 751-63	55
1884	Overexpression of truncated Nmd3p inhibits protein synthesis in yeast. <b>1999</b> , 5, 1055-70	25

1883	The human Prp8 protein is a component of both U2- and U12-dependent spliceosomes. <b>1999</b> , 5, 893-908	83
1882	Gene sequence and properties of an s-triazine ring-cleavage enzyme from <i>Pseudomonas</i> sp. strain NRRLB-12227. <b>1999</b> , 65, 3512-7	72
1881	Identification of genetic determinants for the hemolytic activity of <i>Streptococcus agalactiae</i> by ISS1 transposition. <b>1999</b> , 181, 3212-9	97
1880	Phylogeny of the defined murine microbiota: altered Schaedler flora. <b>1999</b> , 65, 3287-92	279
1879	Soluble methane monooxygenase gene clusters from trichloroethylene-degrading <i>Methylomonas</i> sp. strains and detection of methanotrophs during in situ bioremediation. <b>1999</b> , 65, 5198-206	75
1878	Identification and sequencing of beta-myrcene catabolism genes from <i>Pseudomonas</i> sp. strain M1. <b>1999</b> , 65, 2871-6	30
1877	Role of pfkA and general carbohydrate catabolism in seed colonization by <i>Enterobacter cloacae</i> . <b>1999</b> , 65, 2513-9	44
1876	Site-directed mutagenesis of the virion host shutoff gene (UL41) of herpes simplex virus (HSV): analysis of functional differences between HSV type 1 (HSV-1) and HSV-2 alleles. <b>1999</b> , 73, 9117-29	29
1875	PAS domains: internal sensors of oxygen, redox potential, and light. <b>1999</b> , 63, 479-506	1248
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1707	Identification and characterization of a human tRNA-specific adenosine deaminase related to the ADAR family of pre-mRNA editing enzymes. <b>1999</b> , 96, 8895-900	66
1706	Physical map and gene survey of the Ochrobactrum anthropi genome using bacterial artificial chromosome contigs. <b>1999</b> , 4, 203-17	6
1705	GENE FAMILY IDENTIFICATION NETWORK DESIGN FOR PROTEIN SEQUENCE ANALYSIS. <b>1999</b> , 08, 419-432	3
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1703	Mycobacterium tuberculosis expresses a novel pH-dependent divalent cation transporter belonging to the Nramp family. <b>1999</b> , 190, 717-24	122
1702	Ace is a collagen-binding MSCRAMM from Enterococcus faecalis. <b>1999</b> , 274, 26939-45	160
1701	Pseudechetoxin: a peptide blocker of cyclic nucleotide-gated ion channels. <b>1999</b> , 96, 754-9	114
1700	Lethal paralysis of Caenorhabditis elegans by Pseudomonas aeruginosa. <b>1999</b> , 96, 15202-7	247
1699	Production and characterization of monoclonal antibodies to pituitary adenylate cyclase activating polypeptide type I receptor. <b>1999</b> , 18, 335-42	
1698	Minimal-risk scoring matrices for sequence analysis. <b>1999</b> , 6, 219-35	12
1697	The Arabidopsis thaliana HY1 locus, required for phytochrome-chromophore biosynthesis, encodes a protein related to heme oxygenases. <b>1999</b> , 96, 6541-6	179
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1695	Novel selenoproteins identified in silico and in vivo by using a conserved RNA structural motif. <b>1999</b> , 274, 38147-54	203
1694	Identification and characterization of a transcript for a novel Rac GTPase-activating protein in terminally differentiating 3T3-L1 adipocytes. <b>1999</b> , 18, 265-73	9
1693	Computational analysis of the polymorphic membrane protein superfamily of Chlamydia trachomatis and Chlamydia pneumoniae. <b>1999</b> , 4, 187-201	87
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1683	Human and mouse homologs of <i>Escherichia coli</i> DinB (DNA polymerase IV), members of the UmuC/DinB superfamily. <b>1999</b> , 96, 11922-7	188
1682	Identification of the endonuclease domain encoded by R2 and other site-specific, non-long terminal repeat retrotransposable elements. <b>1999</b> , 96, 7847-52	132
1681	Mammalian mitochondrial ribosomal proteins (2). Amino acid sequencing, characterization, and identification of corresponding gene sequences. <b>1999</b> , 274, 36043-51	33
1680	The extremely conserved <i>pyrA</i> gene of <i>Aspergillus nidulans</i> is required for pyridoxine synthesis and is required indirectly for resistance to photosensitizers. <b>1999</b> , 274, 23565-9	149
1679	Characterization of DP103, a novel DEAD box protein that binds to the Epstein-Barr virus nuclear proteins EBNA2 and EBNA3C. <b>1999</b> , 274, 19136-44	82
1678	Expression pattern and, surprisingly, gene length shape codon usage in <i>Caenorhabditis</i> , <i>Drosophila</i> , and <i>Arabidopsis</i> . <b>1999</b> , 96, 4482-7	637
1677	Protein folds and families: sequence and structure alignments. <i>Nucleic Acids Research</i> , <b>1999</b> , 27, 244-7	20.1 182
1676	Molecular cloning of the human gene, PNKP, encoding a polynucleotide kinase 3'-phosphatase and evidence for its role in repair of DNA strand breaks caused by oxidative damage. <b>1999</b> , 274, 24176-86	214
1675	In silico detection of control signals: mRNA 3'-end-processing sequences in diverse species. <b>1999</b> , 96, 14055-60	206
1674	Characterization of a novel type of serine/threonine kinase that specifically phosphorylates the human goodpasture antigen. <b>1999</b> , 274, 12642-9	66
1673	Evidence for 4-hydroxyproline in viral proteins. Characterization of a viral prolyl 4-hydroxylase and its peptide substrates. <b>1999</b> , 274, 22131-4	50
1672	Human heparanase. Purification, characterization, cloning, and expression. <b>1999</b> , 274, 24153-60	247
1671	Whole genome protein domain analysis using a new method for domain clustering. <b>1999</b> , 23, 333-40	51
1670	Protein-coding region discovery in organisms underrepresented in databases. <b>1999</b> , 23, 209-17	1
1669	Iterated sequence databank search methods. <b>1999</b> , 23, 365-85	8
1668	Identification and characterization of a type II peptidyl carrier protein from the bleomycin producer <i>Streptomyces verticillus</i> ATCC 15003. <b>1999</b> , 6, 507-17	38



1667	Predicting protein three-dimensional structure. <b>1999</b> , 10, 583-8	70
1666	A null HLA-A*68 allele in a bone marrow donor. <b>1999</b> , 53, 573-5	16
1665	Alpha-2 domain polymorphism and HLA class I peptide loading. <b>1999</b> , 54, 450-60	12
1664	Molecular cloning and expression of a cDNA encoding 1-aminocyclopropane-1-carboxylate (ACC) oxidase from apricot fruit ( <i>Prunus armeniaca</i> ). <b>1999</b> , 105, 294-303	23
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1661	Repertoire shift occurs during the memory maintenance phase of the immune responses and is not affinity-driven. <b>1999</b> , 49, 1-6	3
1660	Map positions of SFR genes in relation to other freezing-related genes of <i>Arabidopsis thaliana</i> . <b>1999</b> , 17, 445-52	23
1659	The GRAS gene family in <i>Arabidopsis</i> : sequence characterization and basic expression analysis of the SCARECROW-LIKE genes. <b>1999</b> , 18, 111-9	487
1658	Stachyose synthesis in seeds of adzuki bean ( <i>Vigna angularis</i> ): molecular cloning and functional expression of stachyose synthase. <b>1999</b> , 20, 509-18	35
1657	Functional characterization of the phosphorylating D-glyceraldehyde 3-phosphate dehydrogenase from the archaeon <i>Methanothermus fervidus</i> by comparative molecular modelling and site-directed mutagenesis. <b>1999</b> , 265, 93-104	5
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1654	A <i>Drosophila</i> gene encoding multiple splice variants of Kazal-type serine protease inhibitor-like proteins with potential destinations of mitochondria, cytosol and the secretory pathway. <b>1999</b> , 266, 282-92	21
1653	Abundant secretory lipocalins displaying male and lactation-specific expression in adult hamster submandibular gland. cDNA cloning and sex hormone-regulated repression. <b>1999</b> , 266, 467-76	20
1652	Atlantic salmon ( <i>Salmo salar</i> L.) skin contains a novel kininogen and another cysteine proteinase inhibitor. <b>1999</b> , 266, 1066-72	31
1651	Diversity of odourant binding proteins revealed by an expressed sequence tag project on male <i>Manduca sexta</i> moth antennae. <b>1999</b> , 8, 501-18	199
1650	The use of amplified fragment length polymorphism (AFLP) in the isolation of sex-specific markers. <b>1999</b> , 8, 671-4	56

1649	CtsR, a novel regulator of stress and heat shock response, controls clp and molecular chaperone gene expression in gram-positive bacteria. <b>1999</b> , 31, 117-31	336
1648	ComEA is a DNA receptor for transformation of competent <i>Bacillus subtilis</i> . <b>1999</b> , 31, 271-80	104
1647	Identification of target promoters for the <i>Bacillus subtilis</i> extracytoplasmic function sigma factor, sigma W. <b>1999</b> , 31, 361-71	111
1646	A new level in the <i>Vibrio cholerae</i> ToxR virulence cascade: AphA is required for transcriptional activation of the tcpPH operon. <b>1999</b> , 31, 763-71	134
1645	<i>Salmonella</i> SirA is a global regulator of genes mediating enteropathogenesis. <b>1999</b> , 31, 971-82	163
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1643	Gene products required for surface expression of the capsular form of the group 1 K antigen in <i>Escherichia coli</i> (O9a:K30). <b>1999</b> , 31, 1321-32	130
1642	Site-specific integration of the conjugal <i>Vibrio cholerae</i> SXT element into prfC. <b>1999</b> , 32, 99-110	182
1641	YbtP and YbtQ: two ABC transporters required for iron uptake in <i>Yersinia pestis</i> . <b>1999</b> , 32, 289-99	138
1640	ClpE, a novel type of HSP100 ATPase, is part of the CtsR heat shock regulon of <i>Bacillus subtilis</i> . <b>1999</b> , 32, 581-93	94
1639	Two AraC/XylS family members can independently counteract the effect of repressing sequences upstream of the hilA promoter. <b>1999</b> , 32, 629-42	122
1638	ZapA, the IgA-degrading metalloprotease of <i>Proteus mirabilis</i> , is a virulence factor expressed specifically in swarmer cells. <b>1999</b> , 32, 825-36	84
1637	Bacterial genes induced within the nodule during the <i>Rhizobium</i> -legume symbiosis. <b>1999</b> , 32, 837-49	200
1636	Hierarchical gene regulatory systems arising from fortuitous gene associations: controlling quorum sensing by the opine regulon in <i>Agrobacterium</i> . <b>1999</b> , 32, 1077-89	88
1635	Multiple hok genes on the chromosome of <i>Escherichia coli</i> . <b>1999</b> , 32, 1090-102	128
1634	The aerobactin iron transport system genes in <i>Shigella flexneri</i> are present within a pathogenicity island. <b>1999</b> , 33, 63-73	125
1633	The selC-associated SHI-2 pathogenicity island of <i>Shigella flexneri</i> . <b>1999</b> , 33, 74-83	119
1632	The involvement of NAD(P)H dehydrogenase subunits, NdhD3 and NdhF3, in high-affinity CO <sub>2</sub> uptake in <i>Synechococcus</i> sp. PCC7002 gives evidence for multiple NDH-1 complexes with specific roles in cyanobacteria. <b>1999</b> , 32, 1305-15	96

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1630	Cloning of the mspA gene encoding a porin from Mycobacterium smegmatis. <b>1999</b> , 33, 933-45	126
1629	Displacement of cellular proteins by functional analogues from plasmids or viruses could explain puzzling phylogenies of many DNA informational proteins. <b>1999</b> , 33, 457-65	103
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1627	The genetic element pSSVx of the extremely thermophilic crenarchaeon Sulfolobus is a hybrid between a plasmid and a virus. <b>1999</b> , 34, 217-26	95
1626	Identification of a virulence gene cluster of Mycobacterium tuberculosis by signature-tagged transposon mutagenesis. <b>1999</b> , 34, 257-67	539
1625	AsgD, a new two-component regulator required for A-signalling and nutrient sensing during early development of Myxococcus xanthus. <b>1999</b> , 34, 268-81	55
1624	PhoP-PhoQ homologues in Pseudomonas aeruginosa regulate expression of the outer-membrane protein OprH and polymyxin B resistance. <b>1999</b> , 34, 305-16	191
1623	A response regulator-like protein that functions at an intermediate stage of sporulation in Streptomyces coelicolor A3(2). <b>1999</b> , 34, 607-19	61
1622	Sporulation timing in Myxococcus xanthus is controlled by the espAB locus. <b>1999</b> , 34, 714-25	57
1621	The cadA gene of Vibrio cholerae is induced during infection and plays a role in acid tolerance. <b>1999</b> , 34, 836-49	151
1620	The anti-immunity system of phage-plasmid N15: identification of the antirepressor gene and its control by a small processed RNA. <b>1999</b> , 34, 980-94	39
1619	Development of a m-PCR assay for simultaneous identification of Campylobacter jejuni and C. coli. <b>1999</b> , 29, 406-10	247
1618	Human IP-9: A keratinocyte-derived high affinity CXC-chemokine ligand for the IP-10/Mig receptor (CXCR3). <b>1999</b> , 112, 716-22	122
1617	High prevalence of a variety of epidermodysplasia verruciformis-associated human papillomaviruses in psoriatic skin of patients treated or not treated with PUVA. <b>1999</b> , 113, 122-6	50
1616	Characterization of an autoantigen associated with chronic ulcerative stomatitis: the CUSP autoantigen is a member of the p53 family. <b>1999</b> , 113, 146-51	46
1615	Nucleotide sequencing of a polyurethanase gene (pua) from Pseudomonas fluorescens. <b>1999</b> , 44, 127-131	12
1614	The gene mutated in thiamine-responsive anaemia with diabetes and deafness (TRMA) encodes a functional thiamine transporter. <b>1999</b> , 22, 305-8	202

1613	Treponema pallidum TroA is a periplasmic zinc-binding protein with a helical backbone. <b>1999</b> , 6, 628-33	140
1612	The GYF domain is a novel structural fold that is involved in lymphoid signaling through proline-rich sequences. <b>1999</b> , 6, 656-60	73
1611	Structure-based identification of a novel NTPase from Methanococcus jannaschii. <b>1999</b> , 6, 691-6	116
1610	Identifying two ancient enzymes in Archaea using predicted secondary structure alignment. <b>1999</b> , 6, 750-4	34
1609	Mutations in ABC1 in Tangier disease and familial high-density lipoprotein deficiency. <b>1999</b> , 22, 336-45	1468
1608	Identification of the gene (SEDL) causing X-linked spondyloepiphyseal dysplasia tarda. <b>1999</b> , 22, 400-4	161
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1606	Ocular albinism: evidence for a defect in an intracellular signal transduction system. <b>1999</b> , 23, 108-12	107
1605	A new protease required for cell-cycle progression in yeast. <b>1999</b> , 398, 246-51	611
1604	A bacteriophage encoding a pathogenicity island, a type-IV pilus and a phage receptor in cholera bacteria. <b>1999</b> , 399, 375-9	335
1603	A stop-codon mutation in the BRI gene associated with familial British dementia. <b>1999</b> , 399, 776-81	423
1602	The complete nucleotide sequence of chromosome 3 of Plasmodium falciparum. <b>1999</b> , 400, 532-8	284
1601	Truncating mutations in CCM1, encoding KRIT1, cause hereditary cavernous angiomas. <b>1999</b> , 23, 189-93	414
1600	Mutations in a human homologue of Drosophila crumbs cause retinitis pigmentosa (RP12). <b>1999</b> , 23, 217-21	375
1599	Molecular characterization of a flagellar (fla) operon in the oral spirochete Treponema denticola ATCC 35405. <b>1999</b> , 179, 31-6	12
1598	beta-propeller repeats and a PDZ domain in the tricorn protease: predicted self-compartmentalisation and C-terminal polypeptide-binding strategies of substrate selection. <b>1999</b> , 179, 447-51	15
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1596	Genes involved in hydrogen and sulfur metabolism in phototrophic sulfur bacteria. <b>1999</b> , 180, 317-24	37

1595	ISRM10: a new insertion sequence of <i>Sinorhizobium meliloti</i> : nucleotide sequence and geographic distribution. <b>1999</b> , 181, 171-6	8
1594	The <i>hydA</i> gene encoding the H(2)-evolving hydrogenase of <i>Clostridium perfringens</i> : molecular characterization and expression of the gene. <b>1999</b> , 181, 329-36	38
1593	Sample sequencing of a <i>Salmonella typhimurium</i> LT2 lambda library: comparison to the <i>Escherichia coli</i> K12 genome. <b>1999</b> , 173, 411-23	17
1592	BLAST 2 Sequences, a new tool for comparing protein and nucleotide sequences. <b>1999</b> , 174, 247-50	1497
1591	The cytoplasmic helical linker domain of receptor histidine kinase and methyl-accepting proteins is common to many prokaryotic signalling proteins. <b>1999</b> , 176, 111-6	326
1590	The <i>sae</i> locus of <i>Staphylococcus aureus</i> encodes a two-component regulatory system. <b>1999</b> , 177, 15-22	127
1589	Identification of novel immunogenic <i>Mycobacterium tuberculosis</i> peptides that stimulate mononuclear cells from immune donors. <b>1999</b> , 177, 123-30	4
1588	A molecular view of archaeal diversity in marine and terrestrial hot water environments. <b>1999</b> , 28, 177-188	81
1587	Fate of plasmid-bearing, luciferase marker gene tagged bacteria after feeding to the soil microarthropod <i>Onychiurus fimatus</i> (Collembola). <b>1999</b> , 30, 125-135	15
1586	Neuropeptide gene families in the nematode <i>Caenorhabditis elegans</i> . <b>1999</b> , 897, 239-52	142
1585	The mouse major histocompatibility complex: some assembly required. <b>1999</b> , 167, 211-21	60
1584	Apoptosis. Searching for FLASH domains. <b>1999</b> , 401, 662; discussion 662-3	18
1583	Functional characterization of a potassium-selective prokaryotic glutamate receptor. <b>1999</b> , 402, 817-21	265
1582	Identification of in vivo substrates of the chaperonin GroEL. <b>1999</b> , 402, 147-54	453
1581	A combined algorithm for genome-wide prediction of protein function. <b>1999</b> , 402, 83-6	773
1580	Sequence and analysis of chromosome 4 of the plant <i>Arabidopsis thaliana</i> . <b>1999</b> , 402, 769-77	342
1579	SLC7A7, encoding a putative permease-related protein, is mutated in patients with lysinuric protein intolerance. <b>1999</b> , 21, 297-301	206
1578	Crystal structure of transhydrogenase domain III at 1.2 Å resolution. <b>1999</b> , 6, 1126-31	55

1577	A new gene, encoding an anion transporter, is mutated in sialic acid storage diseases. <b>1999</b> , 23, 462-5	221
1576	Comparative genomes of <i>Chlamydia pneumoniae</i> and <i>C. trachomatis</i> . <b>1999</b> , 21, 385-9	596
1575	Differential gene expression in neoplastic and human papillomavirus-immortalized oral keratinocytes. <b>1999</b> , 18, 827-31	37
1574	Search for oncogenic regulators in an autocrine tumor model using differential display PCR: identification of novel candidate genes including the calcium channel mtrp6. <b>1999</b> , 18, 1487-94	25
1573	The Bcl-3 oncoprotein acts as a bridging factor between NF-kappaB/Rel and nuclear co-regulators. <b>1999</b> , 18, 3316-23	263
1572	Activation of Hex and mEg5 by retroviral insertion may contribute to mouse B-cell leukemia. <b>1999</b> , 18, 6531-9	48
1571	Evidence for interaction between human PRUNE and nm23-H1 NDPKinase. <b>1999</b> , 18, 7244-52	67
1570	The chromosomal duplication model of the major histocompatibility complex. <b>1999</b> , 167, 17-32	96
1569	Sequence comparison of JSRV with endogenous proviruses: envelope genotypes and a novel ORF with similarity to a G-protein-coupled receptor. <b>1999</b> , 258, 333-43	39
1568	Nucleotide sequence and characterization of human papillomavirus type 83, a novel genital papillomavirus. <b>1999</b> , 260, 165-72	25
1567	The complete genome sequence of PM2, the first lipid-containing bacterial virus To Be isolated. <b>1999</b> , 262, 355-63	58
1566	Purification and protein composition of PM2, the first lipid-containing bacterial virus to be isolated. <b>1999</b> , 262, 364-74	43
1565	Hepatitis C virus RNA polymerase and NS5A complex with a SNARE-like protein. <b>1999</b> , 263, 30-41	206
1564	Bacteria-related sequences in a simian cytomegalovirus-derived stealth virus culture. <b>1999</b> , 66, 8-14	11
1563	Melanoma growth stimulatory activity (MGSA/GRO-alpha) chemokine genes incorporated into an African green monkey simian cytomegalovirus-derived stealth virus. <b>1999</b> , 66, 15-8	14
1562	Stealth adaptation of an African green monkey simian cytomegalovirus. <b>1999</b> , 66, 3-7	14
1561	Molecular evolution of the opioid/orphanin gene family. <b>1999</b> , 113, 169-86	72
1560	Duplication of the POMC gene in the paddlefish ( <i>Polyodon spathula</i> ): analysis of gamma-MSH, ACTH, and beta-endorphin regions of ray-finned fish POMC. <b>1999</b> , 116, 164-77	48

1559	Characterization of cryptic plasmids pDP1 and pSMB1 of <i>Streptococcus pneumoniae</i> . <b>1999</b> , 41, 70-2	14
1558	Molecular characterization and interstrain variability of pHPS1, a plasmid isolated from the Sydney strain (SS1) of <i>Helicobacter pylori</i> . <b>1999</b> , 41, 97-109	19
1557	Complete nucleotide sequence of a cryptic plasmid from the ruminal bacterium <i>Selenomonas ruminantium</i> HD4 and identification of two predicted open reading frames. <b>1999</b> , 42, 45-52	5
1556	The cassettes and 3' conserved segment of an integron from <i>Klebsiella oxytoca</i> plasmid pACM1. <b>1999</b> , 42, 104-14	25
1555	Complete genomic sequence of the lytic bacteriophage DT1 of <i>Streptococcus thermophilus</i> . <b>1999</b> , 255, 63-76	94
1554	The complete DNA sequence of myxoma virus. <b>1999</b> , 264, 298-318	220
1553	The complete genome sequence of Shope (rabbit) fibroma virus. <b>1999</b> , 264, 319-43	121
1552	Functional genomics and enzyme evolution. Homologous and analogous enzymes encoded in microbial genomes. <b>1999</b> , 106, 159-70	54
1551	Phylogenetic evidence for Ty1-copia-like endogenous retroviruses in plant genomes. <b>1999</b> , 107, 87-93	11
1550	Is the evolution of transposable elements modular?. <b>1999</b> , 107, 15-25	23
1549	Retrolyc1-1, a member of the Tnt1 retrotransposon super-family in the <i>Lycopersicon peruvianum</i> genome. <b>1999</b> , 107, 65-72	21
1548	Molecular paleontology of transposable elements from <i>Arabidopsis thaliana</i> . <b>1999</b> , 107, 27-37	100
1547	Structural analysis and physical mapping of a pericentromeric region of chromosome 5 of <i>Arabidopsis thaliana</i> . <b>1999</b> , 7, 143-56	16
1546	The cDNA-derived amino acid sequence of hemoglobin I from <i>Lucina pectinata</i> . <b>1999</b> , 18, 831-6	18
1545	The expression of several mitochondrial and nuclear genes encoding the subunits of electron transport chain enzyme complexes, cytochrome c oxidase, and NADH dehydrogenase, in different brain regions in Alzheimer's disease. <b>1999</b> , 24, 767-74	75
1544	The Tpv2 family of retrotransposons of <i>Phaseolus vulgaris</i> : structure, integration characteristics, and use for genotype classification. <b>1999</b> , 39, 797-807	23
1543	Molecular characterization of a plant mitochondrial chaperone GrpE. <b>1999</b> , 39, 871-81	13
1542	Higher plant tyrosine-specific protein phosphatases (PTPs) contain novel amino-terminal domains: expression during embryogenesis. <b>1999</b> , 39, 593-605	36

1541	Analysis of Arabidopsis genome sequence reveals a large new gene family in plants. <b>1999</b> , 39, 927-32	34
1540	Expression of two PIP genes in rapidly growing internodes of rice is not primarily controlled by meristem activity or cell expansion. <b>1999</b> , 40, 985-95	33
1539	Coexpression of a defensin gene and a thionin-like via different signal transduction pathways in pepper and Colletotrichum gloeosporioides interactions. <b>1999</b> , 41, 313-9	31
1538	Sequence and functional analysis of the left-hand part of the T-region from the nopaline-type Ti plasmid, pTiC58. <b>1999</b> , 41, 765-76	19
1537	Functional cloning of ARM-1, an adhesion-regulating molecule upregulated in metastatic tumor cells. <b>1999</b> , 17, 641-8	25
1536	Molecular characterisation of a NADH ubiquinone oxidoreductase subunit 5 from Schistosoma mansoni and inhibition of mitochondrial respiratory chain function by testosterone. <b>1999</b> , 202, 149-58	15
1535	Structure and function of the bacterial mechanosensitive channel of large conductance. <b>1999</b> , 8, 1915-21	48
1534	From fold predictions to function predictions: automation of functional site conservation analysis for functional genome predictions. <b>1999</b> , 8, 1104-15	53
1533	The Ubp6 family of deubiquitinating enzymes contains a ubiquitin-like domain: SUB. <b>1999</b> , 8, 1268-75	17
1532	Determination of the complete covalent structure of the major glycoform of DQH sperm surface protein, a novel trypsin-resistant boar seminal plasma O-glycoprotein related to pB1 protein. <b>1999</b> , 8, 1551-6	41
1531	TRIADs: a new class of proteins with a novel cysteine-rich signature. <b>1999</b> , 8, 1557-61	61
1530	The alpha-subunit of protein prenyltransferases is a member of the tetratricopeptide repeat family. <b>1999</b> , 8, 1658-67	19
1529	A superfamily of archaeal, bacterial, and eukaryotic proteins homologous to animal transglutaminases. <b>1999</b> , 8, 1714-9	142
1528	Thermophilic bacterial communities in hot composts as revealed by most probable number counts and molecular (16S rDNA) methods. <b>1999</b> , 28, 141-149	73
1527	Integration of a growth-suppressing BTB/POZ domain protein with the DP component of the E2F transcription factor. <b>1999</b> , 18, 212-28	66
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1525	Cloning and characterization of a cDNA encoding an A-kinase anchoring protein located in the centrosome, AKAP450. <b>1999</b> , 18, 1858-68	149
1524	Functional mammalian homologues of the Drosophila PEV-modifier Su(var)3-9 encode centromere-associated proteins which complex with the heterochromatin component M31. <b>1999</b> , 18, 1923-38	343



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1521	Purification and characterization of fertility-associated antigen (FAA) in bovine seminal fluid. <b>1999</b> , 54, 145-53	35
1520	Developmental stage- and germ cell-regulated expression of a calcium-binding protein mRNA in mouse Sertoli cells. <b>1999</b> , 54, 232-43	6
1519	Identification of a rice APETALA3 homologue by yeast two-hybrid screening. <b>1999</b> , 40, 167-77	112
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1509	Identification and stage-specific expression of two putative P-glycoprotein coding genes in <i>Onchocerca volvulus</i> . <b>1999</b> , 102, 273-81	49
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1507	Characterization of a putative nuclear receptor from <i>Onchocerca volvulus</i> . <b>1999</b> , 104, 259-69	24
1506	Characterization and expression of the cDNA encoding a new kind of phospholipid transfer protein, the phosphatidylglycerol/phosphatidylinositol transfer protein from <i>Aspergillus oryzae</i> : evidence of a putative membrane targeted phospholipid transfer protein in fungi. <b>1999</b> , 1444, 276-82	12

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1502	Characterisation of the enzymatic and RNA-binding properties of the Rhodobacter sphaeroides 2.4.1. Rho homologue. <b>1999</b> , 1446, 115-25	2
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1490	Characterization of a new xylanolytic bacterium, Clostridium xylanovorans sp. nov. <b>1999</b> , 22, 366-71	19
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1416	Threading with explicit models for evolutionary conservation of structure and sequence. <b>1999</b> , 37, 133-140	42

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1342	Mechanism of DNA replication in eukaryotic cells: cellular host factors stimulating adenovirus DNA replication. <b>1999</b> , 236, 1-12	62
1341	Isolation and characterisation of the retinoic acid receptor-alpha gene in the Japanese pufferfish, <i>F. rubripes</i> . <b>1999</b> , 236, 315-23	13
1340	Characterization of xnp-1, a <i>Caenorhabditis elegans</i> gene similar to the human XNP/ATR-X gene. <b>1999</b> , 236, 13-9	6
1339	A unique bFGF-responsive transcriptional element. <b>1999</b> , 237, 81-90	4
1338	A novel mouse kinesin of the UNC-104/KIF1 subfamily encoded by the Kif1b gene. <b>1999</b> , 239, 117-27	30
1337	Human phosphoribosylformylglycineamide amidotransferase (FGARAT): regional mapping, complete coding sequence, isolation of a functional genomic clone, and DNA sequence analysis. <b>1999</b> , 239, 381-91	12
1336	Identification of three merB genes and characterization of a broad-spectrum mercury resistance module encoded by a class II transposon of <i>Bacillus megaterium</i> strain MB1. <b>1999</b> , 239, 361-6	44
1335	Tdr2, a new zebrafish transposon of the Tc1 family. <b>1999</b> , 239, 373-9	10
1334	Evidence for kinship between diverse G-protein coupled receptors. <b>1999</b> , 239, 333-40	84
1333	Gene structure of the human mitochondrial outer membrane receptor Tom20 and evolutionary study of its family of processed pseudogenes. <b>1999</b> , 239, 283-91	16
1332	mraW, an essential gene at the dcw cluster of <i>Escherichia coli</i> codes for a cytoplasmic protein with methyltransferase activity. <b>1999</b> , 81, 879-88	30
1331	Cloning and immunologic characterization of a truncated <i>Bordetella bronchiseptica</i> filamentous hemagglutinin fusion protein. <b>1999</b> , 18, 860-7	5
1330	Partial mapping and sequencing of a fish iridovirus genome reveals genes homologous to the frog virus 3 p31, p40 and human eIF2alpha. <b>1999</b> , 63, 53-63	17
1329	Molecular characterization of the glycoproteins from two warm water rhabdoviruses: snakehead rhabdovirus (SHRV) and rhabdovirus of penaeid shrimp (RPS)/spring viremia of carp virus (SVCV). <b>1999</b> , 64, 95-106	50
1328	Transcripts for possible capsaicinoid biosynthetic genes are differentially accumulated in pungent and non-pungent <i>Capsicum</i> spp. <b>1999</b> , 148, 47-57	96
1327	Induction of a novel cytochrome P450 (CYP96 family) in periwinkle ( <i>Catharanthus roseus</i> ) cells induced for terpenoid indole alkaloid production. <b>1999</b> , 149, 105-113	13
1326	Identification and cloning of three novel human G protein-coupled receptor genes GPR52, PsiGPR53 and GPR55: GPR55 is extensively expressed in human brain. <b>1999</b> , 64, 193-8	285

1325	Goldfish brain GluR2: multiple forms, RNA editing, and alternative splicing. <b>1999</b> , 67, 211-20	9
1324	Two related G protein-coupled receptors: the distribution of GPR7 in rat brain and the absence of GPR8 in rodents. <b>1999</b> , 71, 96-103	93
1323	Mutations in the ABC1 gene in familial HDL deficiency with defective cholesterol efflux. <b>1999</b> , 354, 1341-6	321
1322	Conserved hepatitis C virus sequences are highly immunogenic for CD4(+) T cells: implications for vaccine development. <b>1999</b> , 30, 1088-98	129
1321	Evolution of protein sequences and structures. <b>1999</b> , 291, 977-95	107
1320	Geomicrobiology of subglacial ice above Lake Vostok, Antarctica. <b>1999</b> , 286, 2141-4	313
1319	Assigning protein functions by comparative genome analysis: protein phylogenetic profiles. <b>1999</b> , 96, 4285-8	1460
1318	Molecular cloning and characterization of apricot fruit polyphenol oxidase. <b>1999</b> , 119, 1261-70	79
1317	Overexpression of the m4 and malpha genes of the E(spl)-complex antagonizes notch mediated lateral inhibition. <b>1999</b> , 86, 39-50	21
1316	Zebrafish semaphorin Z1b inhibits growing motor axons in vivo. <b>1999</b> , 87, 103-17	45
1315	Predicting structures for genome proteins. <b>1999</b> , 9, 208-11	49
1314	A spatial map of olfactory receptor expression in the Drosophila antenna. <b>1999</b> , 96, 725-36	902
1313	The Venus flytrap of periplasmic binding proteins: an ancient protein module present in multiple drug receptors. <b>1999</b> , 1, E2	192
1312	The role of hepatic lipase in lipoprotein metabolism. <b>1999</b> , 286, 243-55	93
1311	Nucleotide sequence of crotamine isoform precursors from a single South American rattlesnake ( <i>Crotalus durissus terrificus</i> ). <b>1999</b> , 37, 973-84	48
1310	Molecular cloning and sequence analysis of cDNA encoding haemorrhagic toxin acutolysin A from <i>Agkistrodon acutus</i> . <b>1999</b> , 37, 1539-48	14
1309	Discovery of a receptor related to the galanin receptors. <b>1999</b> , 446, 103-7	328
1308	Three receptor genes for plasminogen related growth factors in the genome of the puffer fish <i>Fugu rubripes</i> . <b>1999</b> , 443, 370-4	13

1307	Complete exon-intron organization of the mouse fibulin-1 gene and its comparison with the human fibulin-1 gene. <b>1999</b> , 444, 38-42	16
1306	Synechocystis sp. slr0787 protein is a novel bifunctional enzyme endowed with both nicotinamide mononucleotide adenylyltransferase and 'Nudix' hydrolase activities. <b>1999</b> , 444, 222-6	36
1305	Identification of a ribonuclease H gene in both Mycoplasma genitalium and Mycoplasma pneumoniae by a new method for exhaustive identification of ORFs in the complete genome sequences. <b>1999</b> , 445, 6-8	9
1304	Cloning of a novel four repeat protein related to voltage-gated sodium and calcium channels. <b>1999</b> , 445, 231-6	71
1303	The BAH (bromo-adjacent homology) domain: a link between DNA methylation, replication and transcriptional regulation. <b>1999</b> , 446, 189-93	151
1302	Identification of novel interaction partners for the conserved membrane proximal region of alpha-integrin cytoplasmic domains. <b>1999</b> , 445, 351-5	56
1301	The nuclear protein PH5P of the inter-alpha-inhibitor superfamily: a missing link between poly(ADP-ribose)polymerase and the inter-alpha-inhibitor family and a novel actor of DNA repair?. <b>1999</b> , 446, 6-8	13
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1299	Recognizing the pleckstrin homology domain fold in mammalian phospholipase D using hidden Markov models. <b>1999</b> , 448, 269-72	9
1298	Conserved sequence motifs in levansucrases and bifunctional beta-xylosidases and alpha-L-arabinases. <b>1999</b> , 448, 177-9	15
1297	pADPRT-2: a novel mammalian polymerizing(ADP-ribosyl)transferase gene related to truncated pADPRT homologues in plants and Caenorhabditis elegans. <b>1999</b> , 449, 259-63	47
1296	Purification of Saccharomyces cerevisiae RNase H(70) and identification of the corresponding gene. <b>1999</b> , 450, 251-6	23
1295	The novel transmembrane Escherichia coli proteins involved in the amino acid efflux. <b>1999</b> , 452, 228-32	89
1294	Cloning and characterization of hGMEB1, a novel glucocorticoid modulatory element binding protein. <b>1999</b> , 452, 170-6	22
1293	The Drosophila gene 2A5 complements the defect in mitochondrial F1-ATPase assembly in yeast lacking the molecular chaperone Atp11p. <b>1999</b> , 452, 305-8	11
1292	A family of structurally related RING finger proteins interacts specifically with the ubiquitin-conjugating enzyme UbcM4. <b>1999</b> , 454, 257-61	45
1291	PACSIN 2, a novel member of the PACSIN family of cytoplasmic adapter proteins. <b>1999</b> , 454, 356-62	58
1290	Identification of three novel members of the calcium-dependent chloride channel (CaCC) family predominantly expressed in the digestive tract and trachea. <b>1999</b> , 455, 295-301	77

1289	Motifer, a search tool for finding amino acid sequence patterns from nucleotide sequence databases. <b>1999</b> , 456, 85-8	3
1288	Low iron concentration and aconitase deficiency in a yeast frataxin homologue deficient strain. <b>1999</b> , 456, 281-4	122
1287	A capping domain for LRR protein interaction modules. <b>1999</b> , 456, 349-51	29
1286	Identification and molecular characterization of BP75, a novel bromodomain-containing protein. <b>1999</b> , 459, 291-8	29
1285	Binding of calcium in the EF-hand of Escherichia coli lytic transglycosylase Slt35 is important for stability. <b>1999</b> , 458, 429-35	29
1284	Identification of a novel Skp2-like mammalian protein containing F-box and leucine-rich repeats. <b>1999</b> , 459, 75-9	29
1283	Identification of the cDNA encoding human 6-phosphogluconolactonase, the enzyme catalyzing the second step of the pentose phosphate pathway(1). <b>1999</b> , 459, 223-6	49
1282	Determination of cDNA, gene structure and chromosomal localization of the novel human 17beta-hydroxysteroid dehydrogenase type 7(1). <b>1999</b> , 460, 373-9	91
1281	Cloning and functional characterization of the human sodium-dependent vitamin C transporters hSVCT1 and hSVCT2. <b>1999</b> , 460, 480-4	211
1280	Drosophila melanogaster protein phosphatase inhibitor-2: identification of a site important for PP1 inhibition. <b>1999</b> , 463, 72-6	19
1279	Cellulosome-like sequences in Archaeoglobus fulgidus: an enigmatic vestige of cohesin and dockerin domains. <b>1999</b> , 463, 277-80	17
1278	Protein purification and gene isolation of chlamysin, a cold-active lysozyme-like enzyme with antibacterial activity. <b>1999</b> , 464, 153-8	79
1277	Characterization of genes for enzymes involved in the phenanthrene degradation in Nocardioides sp. KP7. <b>1999</b> , 38, 1331-7	46
1276	Crystal structure of human cytosolic phospholipase A2 reveals a novel topology and catalytic mechanism. <b>1999</b> , 97, 349-60	304
1275	A striking organization of a large family of human neural cadherin-like cell adhesion genes. <b>1999</b> , 97, 779-90	566
1274	Structure of CheA, a signal-transducing histidine kinase. <b>1999</b> , 96, 131-41	399
1273	Crystal structure of the vinculin tail suggests a pathway for activation. <b>1999</b> , 99, 603-13	163
1272	Crystal structure of the PTEN tumor suppressor: implications for its phosphoinositide phosphatase activity and membrane association. <b>1999</b> , 99, 323-34	850

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1269	Sequence similarity searching using the BLAST family of programs. <b>2001</b> , Chapter 19, Unit 19.3	6
1268	Systems properties of the Haemophilus influenzae Rd metabolic genotype. <b>1999</b> , 274, 17410-6	276
1267	Organization of the chemokine gene cluster on human chromosome 17q11.2 containing the genes for CC chemokine MPIF-1, HCC-2, HCC-1, LEC, and RANTES. <b>1999</b> , 19, 227-34	32
1266	Identification and cloning of putative human neuronal voltage-gated calcium channel gamma-2 and gamma-3 subunits: neurologic implications. <b>1999</b> , 74, 357-61	56
1265	Arginine biosynthesis in Campylobacter jejuni TGH9011: determination of the argCOBD cluster. <b>1999</b> , 45, 959-969	11
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1263	Evolutionarily conserved pathways of energetic connectivity in protein families. <b>1999</b> , 286, 295-9	1050
1262	Kodamaea kakaduensis and Candida tolerans, two new ascomycetous yeast species from Australian Hibiscus flowers. <b>1999</b> , 45, 172-7	197
1261	Satellite DNA in the ant Messor structor (Hymenoptera, Formicidae). <b>1999</b> , 42, 881-6	6
1260	Evolutionary relationship between K(+) channels and symporters. <b>1999</b> , 77, 775-88	162
1259	Trichinella papuae n.sp. (Nematoda), a new non-encapsulated species from domestic and sylvatic swine of Papua New Guinea. <b>1999</b> , 29, 1825-39	92
1258	Drainin required for membrane fusion of the contractile vacuole in Dictyostelium is the prototype of a protein family also represented in man. <b>1999</b> , 18, 3305-16	27
1257	Messenger RNAs for kinesins and dynein are located in neural processes. <b>1999</b> , 197, 259-60	4
1256	Homologies of the thyroid sodium-iodide symporter with bacterial and viral proteins. <b>1999</b> , 22, 535-40	15
1255	Identification of bacterial proteins observed in MALDI TOF mass spectra from whole cells. <b>1999</b> , 71, 3226-30	125
1254	Primary central nervous system lymphomas are derived from germinal-center B cells and show a preferential usage of the V4-34 gene segment. <b>1999</b> , 155, 2077-86	152

1253	cDNA cloning and characterization of PD1: a novel human testicular protein with different expressions in various testiculopathies. <b>1999</b> , 248, 620-6	17
1252	Tex27, a gene containing a zinc-finger domain, is up-regulated during the haploid stages of spermatogenesis. <b>1999</b> , 249, 320-6	19
1251	Initial assessment of gene diversity for the oomycete pathogen <i>Phytophthora infestans</i> based on expressed sequences. <b>1999</b> , 28, 94-106	145
1250	Physical delineation of a 700-kb region overlapping the Looptail mutation on mouse chromosome 1. <b>1999</b> , 55, 185-93	16
1249	Discovery of three novel orphan G-protein-coupled receptors. <b>1999</b> , 56, 12-21	61
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1247	A physical, transcript, and deletion map of chromosome region 12p12.3 flanked by ETV6 and CDKN1B: hypermethylation of the LRP6 CpG island in two leukemia patients with hemizygous del(12p). <b>1999</b> , 56, 40-50	28
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1245	Cloning and characterization of UXT, a novel gene in human Xp11, which is widely and abundantly expressed in tumor tissue. <b>1999</b> , 56, 340-3	42
1244	Coding sequence, genomic organization, chromosomal localization, and expression pattern of the signalosome component Cops2: the mouse homologue of <i>Drosophila</i> alien. <b>1999</b> , 56, 310-6	21
1243	Cloning and characterization of NEU2, a human gene homologous to rodent soluble sialidases. <b>1999</b> , 57, 137-43	88
1242	LHFP, a novel translocation partner gene of HMGIC in a lipoma, is a member of a new family of LHFP-like genes. <b>1999</b> , 57, 438-41	76
1241	Novel proteins interacting with the leucine-rich repeat domain of human flightless-I identified by the yeast two-hybrid system. <b>1999</b> , 58, 146-57	46
1240	Identification and characterization of AFG3L2, a novel paraplegin-related gene. <b>1999</b> , 59, 51-8	65
1239	Identification of a human homolog of the <i>Drosophila</i> rotated abdomen gene (POMT1) encoding a putative protein O-mannosyl-transferase, and assignment to human chromosome 9q34.1. <b>1999</b> , 58, 171-80	99
1238	Gene structure, chromosomal location, and expression pattern of maleylacetoacetate isomerase. <b>1999</b> , 58, 263-9	39
1237	Cloning and genomic organization of beclin 1, a candidate tumor suppressor gene on chromosome 17q21. <b>1999</b> , 59, 59-65	626
1236	Toward the gene catalogue of sea urchin development: the construction and analysis of an unfertilized egg cDNA library highly normalized by oligonucleotide fingerprinting. <b>1999</b> , 59, 122-33	35



1235	Interpolated Markov models for eukaryotic gene finding. <b>1999</b> , 59, 24-31	163
1234	Expression analysis of six paralogous human hyaluronidase genes clustered on chromosomes 3p21 and 7q31. <b>1999</b> , 60, 356-61	195
1233	Identification, functional characterization, and chromosomal localization of USP15, a novel human ubiquitin-specific protease related to the UNP oncoprotein, and a systematic nomenclature for human ubiquitin-specific proteases. <b>1999</b> , 59, 264-74	66
1232	Identification, chromosomal assignment, and expression analysis of the human homeodomain-containing gene Orthopedia (OTP). <b>1999</b> , 60, 96-104	25
1231	cDNA isolation, genomic structure, regulation, and chromosomal localization of human lung Kruppel-like factor. <b>1999</b> , 60, 78-86	33
1230	Novel human and mouse annexin A10 are linked to the genome duplications during early chordate evolution. <b>1999</b> , 60, 40-9	52
1229	Construction of a physical and transcript map for a 1-Mb genomic region containing the urofacial (Ochoa) syndrome gene on 10q23-q24 and localization of the disease gene within two overlapping BAC clones (. <b>1999</b> , 60, 12-9	17
1228	Comparative sequence analysis of the mouse and human Lgn1/SMA interval. <b>1999</b> , 60, 137-51	37
1227	Identification and characterization of TESK2, a novel member of the LIMK/TESK family of protein kinases, predominantly expressed in testis. <b>1999</b> , 61, 44-54	35
1226	Cloning, characterization, and localization of mouse and human SPO11. <b>1999</b> , 61, 156-69	127
1225	Characterization of the human and mouse unconventional myosin XV genes responsible for hereditary deafness DFNB3 and shaker 2. <b>1999</b> , 61, 243-58	141
1224	Molecular characterization of zyme/protease M/neurosin (PRSS9), a hormonally regulated kallikrein-like serine protease. <b>1999</b> , 62, 251-9	91
1223	Identification of a novel homolog of the Drosophila staufer protein in the chromosome 8q13-q21.1 region. <b>1999</b> , 62, 113-8	29
1222	USP25, a novel gene encoding a deubiquitinating enzyme, is located in the gene-poor region 21q11.2. <b>1999</b> , 62, 395-405	36
1221	Characterization of the human glutamate receptor subunit 3 gene (GRIA3), a candidate for bipolar disorder and nonspecific X-linked mental retardation. <b>1999</b> , 62, 356-68	75
1220	The structure of vitellogenin provides a molecular model for the assembly and secretion of atherogenic lipoproteins. <b>1999</b> , 285, 391-408	175
1219	Fold prediction and evolutionary analysis of the POZ domain: structural and evolutionary relationship with the potassium channel tetramerization domain. <b>1999</b> , 285, 1353-61	146
1218	Toxin-antitoxin systems homologous with relBE of Escherichia coli plasmid P307 are ubiquitous in prokaryotes. <b>1999</b> , 285, 1401-15	82

1217	GenTHREADER: an efficient and reliable protein fold recognition method for genomic sequences. <b>1999</b> , 287, 797-815	800
1216	Inventory, assembly and analysis of <i>Bacillus subtilis</i> ABC transport systems. <b>1999</b> , 287, 467-84	162
1215	Alignment and structure prediction of divergent protein families: periplasmic and outer membrane proteins of bacterial efflux pumps. <b>1999</b> , 287, 695-715	148
1214	Detection of anticodon nuclease residues involved in tRNALys cleavage specificity. <b>1999</b> , 287, 499-510	23
1213	Gleaning non-trivial structural, functional and evolutionary information about proteins by iterative database searches. <b>1999</b> , 287, 1023-40	380
1212	High-resolution autoreactive epitope mapping and structural modeling of the 65 kDa form of human glutamic acid decarboxylase. <b>1999</b> , 287, 983-99	87
1211	The relationship between protein structure and function: a comprehensive survey with application to the yeast genome. <b>1999</b> , 288, 147-64	319
1210	Crystal structure of chondroitin AC lyase, a representative of a family of glycosaminoglycan degrading enzymes. <b>1999</b> , 288, 635-47	86
1209	The 1.7 Å crystal structure of the apo form of the soluble quinoprotein glucose dehydrogenase from <i>Acinetobacter calcoaceticus</i> reveals a novel internal conserved sequence repeat. <b>1999</b> , 289, 319-33	76
1208	LearnCoil-VMF: computational evidence for coiled-coil-like motifs in many viral membrane-fusion proteins. <b>1999</b> , 290, 1031-41	137
1207	Eukaryotic signalling domain homologues in archaea and bacteria. Ancient ancestry and horizontal gene transfer. <b>1999</b> , 289, 729-45	280
1206	Transproteomic evidence of a loop-deletion mechanism for enhancing protein thermostability. <b>1999</b> , 290, 595-604	251
1205	Protein threading by recursive dynamic programming. <b>1999</b> , 290, 757-79	37
1204	NMR structure of the N-terminal domain of <i>Saccharomyces cerevisiae</i> RNase HI reveals a fold with a strong resemblance to the N-terminal domain of ribosomal protein L9. <b>1999</b> , 291, 661-9	29
1203	Phosphatidylinositol phosphate kinase: a link between protein kinase and glutathione synthase folds. <b>1999</b> , 291, 239-47	42
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1201	Domain organization of Mac-2 binding protein and its oligomerization to linear and ring-like structures. <b>1999</b> , 291, 801-13	42
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1198	The Zn-peptidase superfamily: functional convergence after evolutionary divergence. <b>1999</b> , 292, 11-7	87
1197	Protein secondary structure prediction based on position-specific scoring matrices. <b>1999</b> , 292, 195-202	4276
1196	The GTP-binding domain of McrB: more than just a variation on a common theme?. <b>1999</b> , 292, 547-56	24
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1194	Refined structures of oxidized flavodoxin from <i>Anacystis nidulans</i> . <b>1999</b> , 294, 711-24	35
1193	Benchmarking PSI-BLAST in genome annotation. <b>1999</b> , 293, 1257-71	99
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1191	Chromosomal, in silico and in vitro expression analysis of cardiovascular-based genes encoding zinc finger proteins. <b>1999</b> , 31, 1749-69	17
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1186	Differential expression of the lysosome-associated membrane proteins in normal human tissues. <b>1999</b> , 365, 75-82	49
1185	The Delta8-desaturase of <i>Euglena gracilis</i> : an alternate pathway for synthesis of 20-carbon polyunsaturated fatty acids. <b>1999</b> , 365, 307-16	117
1184	Isolation and structural characterization of a cytotoxic L-amino acid oxidase from <i>Agkistrodon contortrix laticinctus</i> snake venom: preliminary crystallographic data. <b>1999</b> , 368, 285-90	72
1183	Investigating site-specific effects of the -X glutamate in a parvalbumin CD site model peptide. <b>1999</b> , 372, 80-8	7
1182	Characterization of ADP-glucose pyrophosphorylase from <i>Rhodobacter sphaeroides</i> 2.4.1: evidence for the involvement of arginine in allosteric regulation. <b>1999</b> , 372, 179-88	6

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1180	The LIM proteins FHL1 and FHL3 are expressed differently in skeletal muscle. <b>1999</b> , 255, 245-50	69
1179	The fourth member of the FHL family of LIM proteins is expressed exclusively in the testis. <b>1999</b> , 255, 251-5	36
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1169	Cloning and analysis of the gene for the human puromycin-sensitive aminopeptidase. <b>1999</b> , 258, 234-40	28
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