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**Improved M13 phage cloning vectors and host strains:
nucleotide sequences of the M13mp18 and pUC19 vectors**

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1846	The nucleotide sequence of a mitochondrial replicon from maize. <i>Gene</i> , 1985 , 38, 131-8	3.8	31
1845	Manipulation and expression of the maize zein storage proteins in Escherichia coli. 1985 , 2, 157-175		16
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1843	The Escherichia coli strain JM105 contains partial supE activity. <i>Gene</i> , 1985 , 38, 275-6	3.8	1
1842	Conversion of the FokI endonuclease to a universal restriction enzyme: cleavage of phage M13mp7 DNA at predetermined sites. <i>Gene</i> , 1985 , 40, 175-82	3.8	75
1841	Mobile elements bounded by C4A4 telomeric repeats in Oxytricha fallax. 1985 , 43, 759-68		96
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1839	Demonstration of remarkable sequence divergence in variants of a complex satellite DNA by molecular cloning. <i>Gene</i> , 1985 , 38, 145-52	3.8	10
1838	A new strategy to create ordered deletions for rapid nucleotide sequencing. <i>Gene</i> , 1985 , 34, 263-8	3.8	52
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1833	Coding sequences for chloroplast ribosomal protein S12 from the liverwort, Marchantia polymorpha, are separated far apart on the different DNA strands. 1986 , 198, 11-15	66
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1830	Concatemeric forms of intracellular Tupaia herpesvirus DNA. 1986 , 151, 211-21	2
1829	Cloning and sequencing of the genetic right end of bacteriophage T3 DNA. 1986 , 151, 350-61	30
1828	Nucleotide sequence of the 26 S mRNA of the virulent Trinidad donkey strain of Venezuelan equine encephalitis virus and deduced sequence of the encoded structural proteins. 1986 , 152, 400-13	69
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1823	Generation of transgenic mice producing a human transthyretin variant: a possible mouse model for familial amyloidotic polyneuropathy. 1986 , 139, 794-9	24
1822	Molecular cloning of rat mitochondrial glutamic oxaloacetic transaminase mRNA and regulation of its expression in regenerating liver. 1986 , 134, 803-11	20
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1820	Isolation of cDNA clones encoding the 20K non-glycosylated polypeptide chain of the human T-cell receptor/T3 complex. 1986 , 321, 431-4	149
1819	Length variation in eukaryotic rRNAs: small subunit rRNAs from the protists Acanthamoeba castellanii and Euglena gracilis. <i>Gene</i> , 1986 , 44, 63-70	3.8 86

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1817	Chromosome analysis by two-dimensional fingerprinting. <i>Gene</i> , 1986 , 49, 93-102	3.8	15
1816	RNA terminating within the E. coli origin of replication: stringent regulation and control by DnaA protein. 1986 , 46, 763-71		85
1815	The organization and nucleotide sequence of the Bacillus subtilis hisH, tyrA and aroE genes. <i>Gene</i> , 1986 , 49, 147-52	3.8	42
1814	An improved Escherichia coli expression vector for the construction and identification of full-length cDNA clones. <i>Gene</i> , 1986 , 44, 347-51	3.8	9
1813	Kanamycin-resistant vectors that are analogues of plasmids pUC8, pUC9, pEMBL8 and pEMBL9. <i>Gene</i> , 1986 , 41, 337-42	3.8	426
1812	Yeast shuttle and integrative vectors with multiple cloning sites suitable for construction of lacZ fusions. <i>Gene</i> , 1986 , 45, 299-310	3.8	611
1811	Plasmid vector pBR322 and its special-purpose derivatives--a review. <i>Gene</i> , 1986 , 50, 3-40	3.8	290
1810	Expression of the Epstein-Barr virus 138-kDa early protein in Escherichia coli for the use as antigen in diagnostic tests. <i>Gene</i> , 1986 , 42, 303-12	3.8	30
1809	Peculiar feature of the organization of rRNA genes of the Chlorella chloroplast DNA. 1986 , 14, 3827-39		33
1808	Single-stranded DNA 'blue' T7 promoter plasmids: a versatile tandem promoter system for cloning and protein engineering. 1986 , 1, 67-74		718
1807	Nucleotide sequence and nuclease hypersensitivity of the Chinese hamster dihydrofolate reductase gene promoter region. 1986 , 25, 6228-36		45
1806	Human liver fibronectin complementary DNAs: identification of two different messenger RNAs possibly encoding the alpha and beta subunits of plasma fibronectin. 1986 , 25, 4936-41		73
1805	A plasmid expression vector that permits stabilization of both mRNAs and proteins encoded by the cloned genes. <i>Gene</i> , 1986 , 45, 193-201	3.8	24
1804	Nucleotide sequence and transcription of a human tRNA gene cluster with four genes. <i>Gene</i> , 1986 , 48, 165-74	3.8	27
1803	Nucleotide sequence of the late region of Bacillus phage phi 29 completes the 19,285-bp sequence of phi 29 genome. Comparison with the homologous sequence of phage PZA. <i>Gene</i> , 1986 , 46, 215-25	3.8	78
1802	Improved vector, pHSG664, for direct streptomycin-resistance selection: cDNA cloning with G:C-tailing procedure and subcloning of double-digest DNA fragments. <i>Gene</i> , 1986 , 41, 125-8	3.8	28
1801	Linear DNA replication: inverted terminal repeats of five closely related Escherichia coli bacteriophages. <i>Gene</i> , 1986 , 49, 199-205	3.8	56

1800	Isolation, structure, and expression of even-skipped: a second pair-rule gene of <i>Drosophila</i> containing a homeo box. 1986 , 47, 721-34		370
1799	Structure of <i>Physarum</i> actin gene locus <i>ardA</i> : a nonpalindromic sequence causes inviability of phage lambda and <i>recA</i> -independent deletions. <i>Gene</i> , 1986 , 48, 133-44	3.8	24
1798	Homology between cellulase genes of <i>Trichoderma reesei</i> : complete nucleotide sequence of the endoglucanase I gene. <i>Gene</i> , 1986 , 45, 253-63	3.8	267
1797	<i>Escherichia coli</i> protein synthesis initiation factor IF3 controls its own gene expression at the translational level in vivo. 1986 , 192, 767-80		80
1796	Characterization of a human orphon 28 S ribosomal DNA. <i>Gene</i> , 1986 , 48, 65-70	3.8	11
1795	Identification and immunochemical analysis of biologically active <i>Drosophila</i> P element transposase. 1986 , 44, 21-32		317
1794	Replacement of insulin receptor tyrosine residues 1162 and 1163 compromises insulin-stimulated kinase activity and uptake of 2-deoxyglucose. 1986 , 45, 721-32		1084
1793	Expression of the E2 open reading frame of papilloma viruses BPV1 and HPV6b in <i>Escherichia coli</i> . <i>Gene</i> , 1986 , 42, 241-51	3.8	12
1792	The role of DNA-mediated transfer of TFIIA in the concerted gyration and differential activation of the <i>Xenopus</i> 5S RNA genes. 1986 , 45, 209-18		37
1791	Functional promoters created by the insertion of transposable element IS1. 1986 , 191, 383-93		73
1790	Terminal inverted repeats of prokaryotic transposable element IS186 which can generate duplications of variable length at an identical target sequence. <i>Gene</i> , 1986 , 49, 153-6	3.8	28
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1788	Construction and uses of a new transposable element whose insertion is able to produce gene fusions with the neomycin-phosphotransferase-coding region of Tn903. <i>Gene</i> , 1986 , 42, 185-92	3.8	27
1787	A novel multistep method for generating precise unidirectional deletions using BspMI, a class-IIS restriction enzyme. <i>Gene</i> , 1986 , 50, 55-62	3.8	45
1786	Human chromosome 21-encoded cDNA clones. <i>Gene</i> , 1986 , 49, 361-9	3.8	45
1785	Genetic characterization of the gene <i>hupB</i> encoding the HU-1 protein of <i>Escherichia coli</i> . <i>Gene</i> , 1986 , 45, 37-44	3.8	57
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1783	Multiple self-splicing introns in bacteriophage T4: evidence from autocatalytic GTP labeling of RNA in vitro. 1986 , 47, 81-7		110

1782	Construction of high, intermediate and low-copy-number promoter-probe plasmids for <i>Bacillus subtilis</i> . <i>Gene</i> , 1986 , 43, 231-6	3.8	6
1781	The nucleotide sequence of a cDNA clone containing the entire coding region for mouse X-chromosome-linked phosphoglycerate kinase. <i>Gene</i> , 1986 , 45, 275-80	3.8	41
1780	Expression vectors based on the rac fusion promoter. <i>Gene</i> , 1986 , 42, 97-100	3.8	16
1779	The peplomer protein sequence of the M41 strain of coronavirus IBV and its comparison with Beaudette strains. 1986 , 5, 253-63		66
1778	New pUC-derived expression vectors for rapid construction of cDNA libraries. <i>Gene</i> , 1986 , 49, 81-91	3.8	35
1777	The human tRNA ^{Val} gene family: organization, nucleotide sequences and homologous transcription of three single-copy genes. <i>Gene</i> , 1986 , 44, 287-97	3.8	47
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1775	Role of conserved sequence elements 9L and 2 in self-splicing of the <i>Tetrahymena</i> ribosomal RNA precursor. 1986 , 45, 167-76		77
1774	Expression of three mRNA species from a single rat aldolase A gene, differing in their 5' non-coding regions. 1986 , 190, 401-10		73
1773	Expression of the Epstein-Barr virus major membrane proteins in Chinese hamster ovary cells. <i>Gene</i> , 1986 , 44, 353-9	3.8	13
1772	A method for unidirectional deletion mutagenesis with application to nucleotide sequencing and preparation of gene fusions. <i>Gene</i> , 1986 , 49, 119-28	3.8	11
1771	Fusion of pro region of subtilisin to staphylococcal protein A and its secretion by <i>Bacillus subtilis</i> . <i>Gene</i> , 1986 , 49, 23-8	3.8	14
1770	Cloning and expression in biologically active form of the gene for human interferon alpha 2 in <i>Streptomyces lividans</i> . <i>Gene</i> , 1986 , 45, 167-74	3.8	34
1769	The primary structure of the putative oncogene pim-1 shows extensive homology with protein kinases. 1986 , 46, 603-11		187
1768	Sequence, evolution and differential expression of the two genes encoding variant small subunits of ribulose biphosphate carboxylase/oxygenase in <i>Chlamydomonas reinhardtii</i> . 1986 , 191, 421-32		242
1767	Cloning and sequence analysis of cDNA for mouse prolactin. 1986 , 868, 30-8		10
1766	pHG165: a pBR322 copy number derivative of pUC8 for cloning and expression. 1986 , 15, 172-81		183
1765	The minimal replicon of a streptomycete plasmid produces an ultrahigh level of plasmid DNA. 1986 , 15, 199-209		111

1764	M13-oriC cloning vehicles: use for amplification of high copy lethal (HCL) genetic elements. 1986 , 15, 147-55		1
1763	Organization and evolution of variable region genes of the human immunoglobulin heavy chain. 1986 , 190, 529-41		217
1762	Site-directed mutagenesis of M1 RNA, the RNA subunit of Escherichia coli ribonuclease P. The effects of an addition and small deletions on catalytic function. 1986 , 191, 163-75		31
1761	Bovine interstitial retinol-binding protein (IRBP)--isolation and sequence analysis of cDNA clones, characterization and in vitro translation of mRNA. 1986 , 26, 1645-53		30
1760	Construction of a single-copy integration vector and its use in analysis of regulation of the trp operon of Bacillus subtilis. <i>Gene</i> , 1986 , 43, 85-94	3.8	199
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1758	Molecular cloning of the plasmid RP4 primase region in a multi-host-range tacP expression vector. <i>Gene</i> , 1986 , 48, 119-31	3.8	993
1757	lac permease of Escherichia coli: histidine-205 and histidine-322 play different roles in lactose/H ⁺ symport. 1986 , 25, 4483-5		79
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1739	Identification of separate domains in the adenovirus E1A gene for immortalization activity and the activation of virus early genes. 1986 , 6, 3470-80	253
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1715	Lysogenic conversion of staphylococcal lipase is caused by insertion of the bacteriophage L54a genome into the lipase structural gene. 1986 , 166, 385-91	156
1714	A 26-base-pair repetitive sequence specific for <i>Neisseria gonorrhoeae</i> and <i>Neisseria meningitidis</i> genomic DNA. 1986 , 167, 1009-15	77
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1708	Full-length von Willebrand factor (vWF) cDNA encodes a highly repetitive protein considerably larger than the mature vWF subunit.. 1986 , 5, 1839-1847	189
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1706	Secretion of a heterologous protein from <i>Bacillus subtilis</i> with the aid of protease signal sequences. 1986 , 165, 837-42	31
1705	Molecular cloning of the gene of a penicillin-binding protein supposed to cause high resistance to beta-lactam antibiotics in <i>Staphylococcus aureus</i> . 1986 , 167, 975-80	261
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1703	Modulation of <i>Bacillus subtilis</i> levansucrase gene expression by sucrose and regulation of the steady-state mRNA level by <i>sacU</i> and <i>sacQ</i> genes. 1986 , 168, 380-8	101
1702	Oligonucleotide-directed site-specific mutagenesis of the <i>lac</i> permease of <i>Escherichia coli</i> . 1986 , 125, 214-30	30
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1696	Cloning and expression of the phospho-beta-galactosidase gene of <i>Staphylococcus aureus</i> in <i>Escherichia coli</i> . 1986 , 166, 1061-6	24
1695	Studies of the radical species in compound ES of cytochrome c peroxidase altered by site-directed mutagenesis. 1986 , 83, 1295-9	49
1694	Mapping and cloning of <i>Corynebacterium diphtheriae</i> plasmid pNG2 and characterization of its relatedness to plasmids from skin coryneforms. 1986 , 30, 69-72	35
1693	Bidirectional transcription from a solo long terminal repeat of the retrotransposon TED: symmetrical RNA start sites. 1986 , 6, 1599-607	60

1692	Isolation of a <i>Drosophila</i> genomic sequence homologous to the kinase domain of the human insulin receptor and detection of the phosphorylated <i>Drosophila</i> receptor with an anti-peptide antibody. 1986 , 83, 4710-4	106
1691	Cloning and characterization of a cDNA encoding the rat brain glucose-transporter protein. 1986 , 83, 5784-8	520
1690	Amino acid sequence of the plasma membrane ATPase of <i>Neurospora crassa</i> : deduction from genomic and cDNA sequences. 1986 , 83, 7693-7	183
1689	Linking functional domains of the human insulin receptor with the bacterial aspartate receptor. 1986 , 83, 8137-41	29
1688	Mr 26,000 antigen of <i>Schistosoma japonicum</i> recognized by resistant WEHI 129/J mice is a parasite glutathione S-transferase. 1986 , 83, 8703-7	202
1687	A method for identifying the viral genes required for herpesvirus DNA replication. 1986 , 83, 9094-8	201
1686	A complete library of point substitution mutations in the glucocorticoid response element of mouse mammary tumor virus. 1986 , 83, 710-4	108
1685	Shuttle mutagenesis: a method of transposon mutagenesis for <i>Saccharomyces cerevisiae</i> . 1986 , 83, 735-9	280
1684	Cytochrome c(2) is not essential for photosynthetic growth of <i>Rhodospseudomonas capsulata</i> . 1986 , 83, 2012-6	205
1683	Exon/intron organization of the genes coding for the delta chains of the human and murine T-cell receptor/T3 complex. 1986 , 83, 2944-8	52
1682	Genetic definition of the translational operator of the threonine-tRNA ligase gene in <i>Escherichia coli</i> . 1986 , 83, 4384-8	67
1681	recD: the gene for an essential third subunit of exonuclease V. 1986 , 83, 5558-62	241
1680	<i>Saccharomyces cerevisiae</i> contains two functional genes encoding 3-hydroxy-3-methylglutaryl-coenzyme A reductase. 1986 , 83, 5563-7	199
1679	Human liver apolipoprotein B-100 cDNA: complete nucleic acid and derived amino acid sequence. 1986 , 83, 8142-6	158
1678	<i>Escherichia coli</i> K-12 restricts DNA containing 5-methylcytosine. 1986 , 83, 9070-4	263
1677	Nucleotide sequence analysis of murine 21-hydroxylase genes: mutations affecting gene expression. 1986 , 83, 9601-5	85
1676	Glycolytic gene expression in <i>Saccharomyces cerevisiae</i> : nucleotide sequence of GCR1, null mutants, and evidence for expression. 1986 , 6, 3774-84	108
1675	Sequences involved in temperature and ecdysterone-induced transcription are located in separate regions of a <i>Drosophila melanogaster</i> heat shock gene. 1986 , 6, 663-73	47

1674	Characterization of a family of gamma-ray-induced CHO mutants demonstrates that the <i>ldlA</i> locus is diploid and encodes the low-density lipoprotein receptor. 1986 , 6, 3268-77	34
1673	Charomids: cosmid vectors for efficient cloning and mapping of large or small restriction fragments. 1986 , 83, 8664-8	123
1672	Expression of the oncogene of avian reticuloendotheliosis virus in <i>Escherichia coli</i> and identification of the transforming protein in reticuloendotheliosis virus T-transformed cells. 1986 , 83, 812-6	26
1671	Structure of the transcriptionally repressed phosphate-repressible acid phosphatase gene (<i>PHO5</i>) of <i>Saccharomyces cerevisiae</i> . 1986 , 6, 38-46	23
1670	The <i>MES-1</i> murine enhancer element is closely associated with the heterogeneous 5' ends of two divergent transcription units. 1986 , 6, 4558-69	57
1669	Somatic excision of transposable element <i>Tc1</i> from the Bristol genome of <i>Caenorhabditis elegans</i> . 1986 , 6, 1782-6	9
1668	A DNA fragment containing the upstream activator sequence determines nucleosome positioning of the transcriptionally repressed <i>PHO5</i> gene of <i>Saccharomyces cerevisiae</i> . 1986 , 6, 2298-304	36
1667	<i>PEP4</i> gene of <i>Saccharomyces cerevisiae</i> encodes proteinase A, a vacuolar enzyme required for processing of vacuolar precursors. 1986 , 6, 2490-9	356
1666	Identification and characterization of the <i>NMYC</i> gene product in human neuroblastoma cells by monoclonal antibodies with defined specificities. 1986 , 83, 5929-33	86
1665	Two-component regulatory systems responsive to environmental stimuli share strongly conserved domains with the nitrogen assimilation regulatory genes <i>ntrB</i> and <i>ntrC</i> . 1986 , 83, 7850-4	396
1664	Molecular structure of a somatically unstable transposable element in <i>Drosophila</i> . 1986 , 83, 8684-8	245
1663	Cloning and characterization of the high-affinity cAMP phosphodiesterase of <i>Saccharomyces cerevisiae</i> . 1986 , 83, 9303-7	281
1662	A human DNA-binding protein is methylation-specific and sequence-specific. 1986 , 14, 1599-614	47
1661	Putative diazepam binding inhibitor peptide: cDNA clones from rat. 1986 , 83, 7221-5	116
1660	Molecular cloning of protein 4.1, a major structural element of the human erythrocyte membrane skeleton. 1986 , 83, 9512-6	163
1659	Molecular analysis of the maize anthocyanin regulatory locus <i>C1</i> . 1986 , 83, 9631-5	360
1658	Primary structure of the human melanoma-associated antigen p97 (melanotransferrin) deduced from the mRNA sequence. 1986 , 83, 1261-5	194
1657	Myoglobin expression: early induction and subsequent modulation of myoglobin and myoglobin mRNA during myogenesis. 1986 , 6, 4539-47	42

1656	Cloning and sequencing of the pertussis toxin genes: operon structure and gene duplication. 1986 , 83, 4631-5	287
1655	Homologous genes encode two distinct histidine-rich proteins in a cloned isolate of <i>Plasmodium falciparum</i> . 1986 , 83, 6065-9	190
1654	Molecular analysis of the DNA sequences involved in the transcriptional regulation of the phosphate-repressible acid phosphatase gene (PHO5) of <i>Saccharomyces cerevisiae</i> . 1986 , 83, 6070-4	28
1653	A DNA binding protein specific for an origin of replication of herpes simplex virus type 1. 1986 , 83, 6322-6	122
1652	Surface structure recognized for covalent modification of the aspartate receptor in chemotaxis. 1986 , 83, 6707-10	37
1651	Structure and gene organization of bovine neuromedin K precursor. 1986 , 83, 7074-8	180
1650	Mutational analysis of the immunoglobulin heavy chain promoter region. 1986 , 83, 9626-30	98
1649	Nonmuscle and muscle tropomyosin isoforms are expressed from a single gene by alternative RNA splicing and polyadenylation. 1986 , 6, 3582-95	195
1648	Complementation of a bovine papilloma virus low-copy-number mutant: evidence for a temporal requirement of the complementing gene. 1986 , 6, 859-69	60
1647	The <i>Saccharomyces cerevisiae</i> chromosome III left telomere has a type X, but not a type Y', ARS region. 1986 , 6, 1352-6	51
1646	Substrate specificity of a mammalian DNA repair endonuclease that recognizes oxidative base damage. 1986 , 6, 1983-90	57
1645	An excision event that may depend on patchy homology for site specificity. 1986 , 6, 2727-30	7
1644	Characterization of two atypical promoters and alternate mRNA processing in the mouse Thy-1.2 glycoprotein gene. 1986 , 6, 2923-31	68
1643	Isolation of human glucose-6-phosphate dehydrogenase (G6PD) cDNA clones: primary structure of the protein and unusual 5' non-coding region. 1986 , 14, 2511-22	213
1642	The structure of the maize ribosomal DNA spacer region. 1986 , 14, 4953-68	154
1641	Nucleotide sequence of the T-DNA region encoding transcripts 6a and 6b of the pTiT37 nopaline Ti plasmid. 1986 , 7, 33-41	8
1640	Nicotiana chloroplast genome: X. Correlation between the DNA sequences and the isoelectric focusing patterns of the LS of Rubisco. 1986 , 6, 81-7	25
1639	Structures of tobacco chloroplast genes for tRNA(Ile) (CAU), tRNA(Leu) (CAA), tRNA(Cys) (GCA), tRNA(Ser) (UGA) and tRNA(Thr) (GGU): a compilation of tRNA genes from tobacco chloroplasts. 1986 , 7, 385-92	38

1638	An evolutionary conserved rabbit T-cell receptor beta-chain variable region. 1986 , 23, 266-70	14
1637	Characterization of an <i>rbcS</i> gene from <i>Nicotiana plumbaginifolia</i> and expression of an <i>rbcS</i> -CAT chimeric gene in homologous and heterologous nuclear background. 1986 , 205, 193-200	32
1636	Cloning and complete nucleotide sequence of the <i>Escherichia coli</i> glutamine permease operon (<i>glnHPQ</i>). 1986 , 205, 260-9	138
1635	Transcription termination within the <i>Escherichia coli</i> origin of DNA replication, <i>oriC</i> . 1986 , 203, 101-9	28
1634	The sigma-like product of sporulation gene <i>spoIIAC</i> of <i>Bacillus subtilis</i> is toxic to <i>Escherichia coli</i> . 1986 , 202, 55-7	13
1633	Cytosine-specific DNA modification interferes with plasmid establishment in <i>Escherichia coli</i> K12: involvement of <i>rglB</i> . 1986 , 205, 469-75	67
1632	The gene for <i>Escherichia coli</i> diadenosine tetraphosphatase is located immediately clockwise to <i>folA</i> and forms an operon with <i>ksgA</i> . 1986 , 205, 515-22	43
1631	DNA sequence of the coding region of the HLA-B44 gene. 1986 , 23, 396-400	47
1630	Yeast/ <i>E. coli</i> shuttle vectors with multiple unique restriction sites. 1986 , 2, 163-7	1373
1629	Primary structure of the reaction center from <i>Rhodospseudomonas sphaeroides</i> . 1986 , 1, 312-25	140
1628	Sequence of the small subunit ribosomal RNA gene expressed in the bloodstream stages of <i>Plasmodium berghei</i> : evolutionary implications. 1986 , 33, 525-9	81
1627	A new acute transforming feline retrovirus and relationship of its oncogene <i>v-kit</i> with the protein kinase gene family. 1986 , 320, 415-21	565
1626	Replacing the complementarity-determining regions in a human antibody with those from a mouse. 1986 , 321, 522-5	1120
1625	L1 family of repetitive DNA sequences in primates may be derived from a sequence encoding a reverse transcriptase-related protein. 1986 , 321, 625-8	205
1624	A mouse locus at which transcription from both DNA strands produces mRNAs complementary at their 3' ends. 1986 , 322, 275-9	168
1623	Chloroplast gene organization deduced from complete sequence of liverwort <i>Marchantia polymorpha</i> chloroplast DNA. 1986 , 322, 572-574	1430
1622	Expression of functional sodium channels from cloned cDNA. 1986 , 322, 826-8	473
1621	A gene encoding a novel glycine-rich structural protein of <i>petunia</i> . 1986 , 323, 178-181	174

1620	Cumulative effect of intragenic amino-acid replacements on the thermostability of a protein. 1986 , 323, 356-8	128
1619	Cloning of complementary DNA encoding T-cell replacing factor and identity with B-cell growth factor II. 1986 , 324, 70-3	363
1618	Molecular cloning of the fimbrial subunit gene from a benign type B isolate of <i>Bacteroides nodosus</i> . 1986 , 33, 73-78	5
1617	Epidermolytic toxin serotype B of <i>Staphylococcus aureus</i> plasmid-encoded. 1986 , 36, 311-314	18
1616	Sequence of the <i>Citrobacter freundii</i> OS60 chromosomal ampC beta-lactamase gene. 1986 , 156, 441-5	75
1615	Peptide uptake by <i>Salmonella typhimurium</i> . The periplasmic oligopeptide-binding protein. 1986 , 158, 561-7	59
1614	Molecular cloning and expression of cDNA for human antileukoprotease from cervix uterus. 1986 , 160, 61-7	77
1613	Nucleotide sequence of the structural gene for dihydroorotase of <i>Escherichia coli</i> K12. 1986 , 160, 77-82	24
1612	Nucleotide sequence and characteristics of the gene for L-lactate dehydrogenase of <i>Thermus caldophilus</i> GK24 and the deduced amino-acid sequence of the enzyme. 1986 , 160, 433-40	53
1611	Cloning of a developmentally regulated tegument antigen of <i>Schistosoma mansoni</i> . 1986 , 20, 253-64	60
1610	Nucleotide sequence of a cDNA coding for mitochondrial fumarase from human liver. 1986 , 6, 921-9	31
1609	The structure of a cDNA clone corresponding to mouse cardiac muscle actin mRNA. 1986 , 6, 741-7	5
1608	Genetic analysis of bacterial plasmid promiscuity. 1986 , 65, 103-120	9
1607	Expression in plants of two bacterial antibiotic resistance genes after protoplast transformation with a new plant expression vector. 1986 , 14, 5857-68	297
1606	Expression of Lassa virus nucleocapsid gene fragments in bacteria. 1986 , 175, 93-5	2
1605	Universal genetic code evidenced in mitochondria of <i>Chlamydomonas reinhardtii</i> . 1986 , 23, 462-469	30
1604	Repeated sequences with unusual properties from the divergent region of <i>Crithidia oncopelti</i> maxicircle kinetoplast DNA. 1986 , 205, 122-6	4
1603	The carboxy-terminal region of haemolysin 2001 is required for secretion of the toxin from <i>Escherichia coli</i> . 1986 , 205, 127-33	100

1602	The molecular cloning and expression of a cellobiase gene from an <i>Agrobacterium</i> in <i>Escherichia coli</i> . 1986 , 205, 146-152	20
1601	T-even type phages can change their host range by recombination with gene 34 (tail fibre) or gene 23 (head). 1986 , 205, 160-3	6
1600	A simple nonisotopic method for restriction mapping in single-stranded DNA cloning vectors based on taking timepoints during primed Klenow synthesis. 1986 , 5, 239-45	4
1599	Regulation of inter- and intramolecular ligation with T4 DNA ligase in the presence of polyethylene glycol. 1986 , 14, 7617-31	41
1598	Conserved repeats in diverged ice nucleation structural genes from two species of <i>Pseudomonas</i> . 1986 , 14, 8047-60	87
1597	Conversion of an M- group A streptococcus to M+ by transfer of a plasmid containing an M6 gene. 1986 , 164, 1641-51	129
1596	Nucleotide sequence and expression of a <i>Pseudomonas savastanoi</i> cytokinin biosynthetic gene: homology with <i>Agrobacterium tumefaciens</i> <i>tmr</i> and <i>tzs</i> loci. 1986 , 14, 2555-65	83
1595	[Mechanisms of oxygen-induced lung injury]. 1986 , 94, S1-5	
1594	Complete nucleotide sequence of <i>recD</i> , the structural gene for the alpha subunit of Exonuclease V of <i>Escherichia coli</i> . 1986 , 14, 8583-94	73
1593	Cloning a selected fragment from a human DNA 'fingerprint': isolation of an extremely polymorphic minisatellite. 1986 , 14, 4605-16	240
1592	Xrep, a plasmid-stimulating X chromosomal sequence bearing similarities to the BK virus replication origin and viral enhancers. 1986 , 14, 9407-23	12
1591	Isolation and computer-aided characterization of Mmel, a type II restriction endonuclease from <i>Methylophilus methylotrophus</i> . 1986 , 14, 5255-74	39
1590	Isolation of a deoxycytidylate methyl transferase capable of protecting DNA uniquely against cleavage by endonuclease R.Aqu I (isoschizomer of Ava I). 1986 , 14, 5199-205	18
1589	The PEP4 gene encodes an aspartyl protease implicated in the posttranslational regulation of <i>Saccharomyces cerevisiae</i> vacuolar hydrolases. 1986 , 6, 2500-10	281
1588	Methylated DNA-binding protein from human placenta recognizes specific methylated sites on several prokaryotic DNAs. 1986 , 14, 9843-60	47
1587	Mouse muscle nicotinic acetylcholine receptor gamma subunit: cDNA sequence and gene expression. 1986 , 14, 3539-55	74
1586	Small tandemly repeated DNA sequences of higher plants likely originate from a tRNA gene ancestor. 1986 , 14, 8111-9	40
1585	Mechanism of autonomous control of the <i>Escherichia coli</i> F plasmid: different complexes of the initiator/repressor protein are bound to its operator and to an F plasmid replication origin. 1986 , 14, 5693-711	37

1584	The nucleotide sequence and transcription of minicircular mitochondrial DNA's associated with male-fertile and cytoplasmic male-sterile lines of sugarbeet. 1986 , 14, 9353-70	39
1583	Molecular characterization of the MT-family of dispersed middle-repetitive DNA in rodent genomes. 1986 , 14, 6403-16	42
1582	ISH51: a large, degenerate family of insertion sequence-like elements in the genome of the archaeobacterium, <i>Halobacterium volcanii</i> . 1986 , 14, 6983-7000	38
1581	Control of cell division in <i>Escherichia coli</i> . DNA sequence of <i>dicA</i> and of a second gene complementing mutation <i>dicA1</i> , <i>dicC</i> . 1986 , 14, 6821-33	24
1580	Floral tissue of <i>Petunia hybrida</i> (V30) expresses only one member of the chalcone synthase multigene family. 1986 , 14, 5229-39	97
1579	The effect of preincubation of HeLa cell nuclei with ATP on the degradation of mononucleosomal DNA by micrococcal nuclease. 1986 , 14, 5413-5429	
1578	Simplified preparation of unidirectional deletion clones. 1986 , 14, 3605	50
1577	Complete nucleotide sequence of the <i>Escherichia coli</i> <i>recC</i> gene and of the <i>thyA-recC</i> intergenic region. 1986 , 14, 4437-51	55
1576	The murine interleukin 1 beta gene: structure and evolution. 1986 , 14, 9955-63	62
1575	M13 vectors with T7 polymerase promoters: transcription limited by oligonucleotides. 1986 , 14, 2830	21
1574	Activation of the AIDS retrovirus promoter by the cellular transcription factor, Sp1. 1986 , 232, 755-9	655
1573	Complete nucleotide sequence of the <i>Escherichia coli</i> <i>recB</i> gene. 1986 , 14, 8573-82	76
1572	A sequence upstream from the coding region is required for the transcription of the 7SK RNA genes. 1986 , 14, 9243-60	63
1571	A vector-primer-cloner-sequencer plasmid for the construction of cDNA libraries: evidence for a rat glyceraldehyde-3-phosphate dehydrogenase-like mRNA and a ferritin mRNA within testis. 1986 , 5, 427-35	16
1570	Synthesis of bovine prolactin in <i>Escherichia coli</i> . 1986 , 5, 21-8	12
1569	Adenovirus-2 E1a and E1b gene products regulate enhancer mediated transcription. 1986 , 14, 9445-56	19
1568	Analysis of the <i>Kluyveromyces lactis</i> positive regulatory gene LAC9 reveals functional homology to, but sequence divergence from, the <i>Saccharomyces cerevisiae</i> GAL4 gene. 1986 , 14, 7767-81	164
1567	Nucleotide sequence of <i>Rhizobium meliloti</i> RCR2011 genes involved in host specificity of nodulation. 1986 , 14, 7453-72	156

1566	DNA sequence of <i>Rhizobium trifolii</i> nodulation genes reveals a reiterated and potentially regulatory sequence preceding nodABC and nodFE. 1986 , 14, 2891-903	114
1565	Transgenic mice with mu and kappa genes encoding antiphosphorylcholine antibodies. 1986 , 164, 627-41	139
1564	Studies on the transcription, translation, and structure of alpha-actinin in <i>Dictyostelium discoideum</i> . 1986 , 103, 969-75	44
1563	Tight genetic linkage of a glucosyltransferase and dextranase of <i>Streptococcus mutans</i> GS-5. 1986 , 65, 1392-401	25
1562	Gene organization of the small subunit of human calcium-activated neutral protease. 1986 , 14, 8805-17	42
1561	Nucleotide sequence of an insertion sequence (IS) element identified in the T-DNA region of a spontaneous variant of the Ti-plasmid pTiT37. 1986 , 14, 6699-709	26
1560	Nucleotide sequence of a cDNA encoding mouse beta casein. 1986 , 14, 8224	42
1559	Isolation and sequence of a human gene encoding a potent inhibitor of leukocyte proteases. 1986 , 14, 7883-96	133
1558	Linkage analysis of polymorphisms within the DNA fragment XJ cloned from the breakpoint of an X;21 translocation associated with X linked muscular dystrophy. 1986 , 23, 548-55	28
1557	Glyoxysomal Malate Synthase of Cucumber: Molecular Cloning of a cDNA and Regulation of Enzyme Synthesis during Germination. 1986 , 81, 762-7	54
1556	Nucleotide sequence analysis of the haemagglutinin-neuraminidase gene of Newcastle disease virus. 1986 , 67 (Pt 9), 1917-27	77
1555	The nucleotide sequence of tobacco vein mottling virus RNA. 1986 , 14, 5417-30	223
1554	DNA cloning vectors utilizing replication functions of the filamentous phages of <i>Escherichia coli</i> . 1986 , 67 (Pt 11), 2287-303	20
1553	Optimization of gene expression in <i>Streptomyces lividans</i> by a transcription terminator. 1987 , 15, 4227-40	43
1552	Putative promoter elements for the ribosomal RNA genes of the thermoacidophilic archaeobacterium <i>Sulfolobus</i> sp. strain B12. 1987 , 15, 5581-95	54
1551	Shufflon: multi-inversion of four contiguous DNA segments of plasmid R64 creates seven different open reading frames. 1987 , 15, 1165-72	63
1550	Molecular cloning and sequencing of the F and 22K membrane protein genes of the RSS-2 strain of respiratory syncytial virus. 1987 , 68 (Pt 11), 2789-96	35
1549	Regulation of the <i>Escherichia coli</i> excision repair gene <i>uvrC</i> . Overlap between the <i>uvrC</i> structural gene and the region coding for a 24 kD protein. 1987 , 15, 4273-89	58

1548	Deletions in the tL structure upstream to the rRNA genes in the E. coli rrnB operon cause transcription polarity. 1987 , 15, 8235-48	10
1547	Random cloning of bent DNA segments from Escherichia coli chromosome and primary characterization of their structures. 1987 , 15, 6827-41	66
1546	The SV40 enhancer can be dissected into multiple segments, each with a different cell type specificity. 1987 , 1, 65-74	250
1545	Activation of human c-raf-1 by replacing the N-terminal region with different sequences. 1987 , 15, 4809-20	32
1544	Characterization of a positive regulatory gene, LAC9, that controls induction of the lactose-galactose regulon of Kluyveromyces lactis: structural and functional relationships to GAL4 of Saccharomyces cerevisiae. 1987 , 7, 1111-21	141
1543	The control of lambda DNA terminase synthesis. 1987 , 15, 119-40	27
1542	Sequence analyses of extrachromosomal Sau3A and related family DNA: analysis of recombination in the excision event. 1987 , 15, 7477-89	35
1541	Structural analysis of the Drosophila rpA1 gene, a member of the eucaryotic 'A' type ribosomal protein family. 1987 , 15, 987-1003	76
1540	The effects of overproduction of two Agrobacterium tumefaciens T-DNA auxin biosynthetic gene products in transgenic petunia plants. 1987 , 1, 86-96	209
1539	Characterization of protease cleavage sites involved in the formation of the envelope glycoprotein and three non-structural proteins of dengue virus type 2, New Guinea C strain. 1987 , 68 (Pt 5), 1317-26	47
1538	Plasmid Vectors Carrying the Replication Origin of Filamentous Single-Stranded Phages. 1987 , 135-154	73
1537	Identification of human uromodulin as the Tamm-Horsfall urinary glycoprotein. 1987 , 236, 83-8	246
1536	Assemblage of ortho cleavage route for simultaneous degradation of chloro- and methylaromatics. 1987 , 238, 1395-8	195
1535	A membrane-anchored cytoplasmic domain of the human insulin receptor mediates a constitutively elevated insulin-independent uptake of 2-deoxyglucose. 1987 , 1, 15-24	84
1534	Complementary deoxyribonucleic acid cloning of bovine transforming growth factor-beta 1. 1987 , 1, 693-8	66
1533	The yes-related cellular gene lyn encodes a possible tyrosine kinase similar to p56lck. 1987 , 7, 237-43	234
1532	Cloning of Tryptophan Genes of Brevibacterium lactofermentum, a Glutamic Acid-producing Bacterium. 1987 , 51, 823-828	
1531	Expression in Escherichia coli of a Chemically Synthesized Gene for Biologically Active Bovine Acidic Fibroblast Growth Factor. 1987 , 5, 960-965	35

1530	Separate regulatory elements are responsible for the complex pattern of tissue-specific and developmental transcription of the yellow locus in <i>Drosophila melanogaster</i> . 1987 , 1, 996-1004	212
1529	Yeast carboxypeptidase Y can be translocated and glycosylated without its amino-terminal signal sequence. 1987 , 104, 1183-91	72
1528	Characterization of a staphylococcal trimethoprim resistance gene and its product. 1987 , 31, 1027-32	27
1527	A novel sequence common to the centromere regions of <i>Schizosaccharomyces pombe</i> chromosomes. 1987 , 15, 4705-15	60
1526	Cloning <i>E. coli</i> genes by oligonucleotide hybridization. 1987 , 15, 10593-4	5
1525	Nucleotide sequence and expression of the gene encoding the EcoRII modification enzyme. 1987 , 15, 313-32	110
1524	A new repetitive element of the CR1 family downstream of the chicken vitellogenin gene. 1987 , 15, 4193-202	13
1523	IL-3A virus infection of a <i>Chlorella</i> -like green alga induces a DNA restriction endonuclease with novel sequence specificity. 1987 , 15, 6075-90	58
1522	Nucleotide sequence of the DdeI restriction-modification system and characterization of the methylase protein. 1987 , 15, 8249-66	59
1521	Cloning and sequencing of <i>Schizosaccharomyces pombe</i> DNA topoisomerase I gene, and effect of gene disruption. 1987 , 15, 9727-39	84
1520	Human dihydropteridine reductase: characterisation of a cDNA clone and its use in analysis of patients with dihydropteridine reductase deficiency. 1987 , 15, 1921-32	44
1519	A new 'sense' RNA approach to block viral RNA replication in vitro. 1987 , 15, 4123-30	51
1518	Unusual ribosomal RNA of the intestinal parasite <i>Giardia lamblia</i> . 1987 , 15, 7889-901	64
1517	Characterization of rat <i>c-myc</i> and adjacent regions. 1987 , 15, 6419-36	77
1516	The maize transposable element <i>Ds</i> is spliced from RNA. 1987 , 237, 916-8	104
1515	Molecular analysis of elements inserted into mouse gamma-actin processed pseudogenes. 1987 , 15, 3291-304	30
1514	The isolation and characterization of RNA coded by the <i>micF</i> gene in <i>Escherichia coli</i> . 1987 , 15, 2089-101	66
1513	A procedure for selective full length cDNA cloning of specific RNA species. 1987 , 15, 3987-96	45

1512	Expression of the synthetic gene of an artificial DDT-binding polypeptide in Escherichia coli. 1987 , 1, 339-43	29
1511	High frequencies of short frameshifts in poly-CA/TG tandem repeats borne by bacteriophage M13 in Escherichia coli K-12. 1987 , 15, 5323-38	320
1510	Drosophila spectrin. II. Conserved features of the alpha-subunit are revealed by analysis of cDNA clones and fusion proteins. 1987 , 105, 2103-10	102
1509	Complete nucleotide sequence of the gene encoding the regulatory subunit of 3',5'-cyclic AMP-dependent protein kinase from the yeast Saccharomyces cerevisiae. 1987 , 15, 368-9	37
1508	Site-specific DNA binding of nuclear factor I: effect of the spacer region. 1987 , 15, 5545-59	91
1507	Isolation of a human genomic fragment, co-amplified with c-Ki-ras, that affects plasmid supercoiling in E. coli. 1987 , 15, 3411-20	3
1506	Characterization of the Genome of Soybean Chlorotic Mottle Virus. 1987 , 68, 159-167	12
1505	Interallelic and intergenic conversion events could induce differential evolution of the two rabbit immunoglobulin kappa light chain genes. 1987 , 15, 6171-9	12
1504	Deduced products of C4-dicarboxylate transport regulatory genes of Rhizobium leguminosarum are homologous to nitrogen regulatory gene products. 1987 , 15, 7921-34	189
1503	Sequence analysis of the EF-1 alpha gene family of Mucor racemosus. 1987 , 15, 9997-10006	33
1502	Nucleotide sequence and LexA regulation of the Escherichia coli recN gene. 1987 , 15, 5041-9	57
1501	Isolation and physical characterization of three essential conidiation genes from Aspergillus nidulans. 1987 , 7, 3113-8	194
1500	Plant DNA Infectious Agents. 1987 ,	1
1499	The energetics of the B-Z transition in DNA. 1987 , 5, 79-88	23
1498	Differential stability of human interleukin 1 beta fragments expressed in yeast. 1987 , 1, 433-7	6
1497	Nucleotide sequence of the genome region encoding the 26S mRNA of eastern equine encephalomyelitis virus and the deduced amino acid sequence of the viral structural proteins. 1987 , 68 (Pt 8), 2129-42	65
1496	A set of plant expression vectors for transcriptional and translational fusions. 1987 , 15, 5890	368
1495	Escherichia coli rep gene: sequence of the gene, the encoded helicase, and its homology with uvrD. 1987 , 15, 465-75	57

1494	Metal-binding, nucleic acid-binding finger sequences in the CDC16 gene of <i>Saccharomyces cerevisiae</i> . 1987 , 15, 8439-50	34
1493	Nodulin-26, a peribacteroid membrane nodulin is expressed independently of the development of the peribacteroid compartment. 1987 , 15, 813-24	215
1492	Cloning, sequencing and expression of the Taq I restriction-modification system. 1987 , 15, 9781-96	87
1491	Identification of <i>Leishmania</i> genes encoding proteins containing tandemly repeating peptides. 1987 , 166, 1814-24	48
1490	DNA sequence of the <i>E. coli</i> gyrB gene: application of a new sequencing strategy. 1987 , 15, 771-84	151
1489	The ionic strength dependence of the cooperativity factor for DNA melting. 1987 , 5, 119-26	25
1488	Restriction and modification in vivo by <i>Escherichia coli</i> K12. 1987 , 152, 130-41	25
1487	Roles of cis-acting elements and chromatin structure in <i>Drosophila</i> alcohol dehydrogenase gene expression. 1987 , 15, 7903-20	23
1486	Cloning and expression in <i>E. coli</i> of a synthetic gene for the bacteriocidal protein caltrin/seminalplasmin. 1987 , 1, 425-31	7
1485	In vitro RNA synthesis with SP6 RNA polymerase. 1987 , 155, 397-415	622
1484	Molecular characterization of bsg25D: a blastoderm-specific locus of <i>Drosophila melanogaster</i> . 1987 , 15, 2309-25	12
1483	A method for cloning full-length cDNA in plasmid vectors. 1987 , 154, 28-41	7
1482	Molecular characterization of the <i>Saccharomyces cerevisiae</i> dihydrofolate reductase gene (DFR1). 1987 , 15, 10355-71	41
1481	Expression and replication of the hepatitis B virus genome under foreign promoter control. 1987 , 15, 10117-32	102
1480	Molecular cloning and characterization of the gene encoding the DNA methyltransferase, M.CviBIII, from <i>Chlorella</i> virus NC-1A. 1987 , 15, 9807-23	52
1479	Deletion of 5'-coding sequences of the cellular p53 gene in mouse erythroleukemia: a novel mechanism of oncogene regulation. 1987 , 7, 847-53	95
1478	Molecular cloning and genetic analysis of the suppressor-of-white-apricot locus from <i>Drosophila melanogaster</i> . 1987 , 7, 2498-505	19
1477	Unidirectional digestion with exonuclease III in DNA sequence analysis. 1987 , 155, 156-65	811

1476	Comparative sequence analysis of cDNA clones encoding I-A molecules of the CH12 B cell lymphoma: nucleotide differences do not account for their "defective" function in B cell stimulation. 1987 , 16, 425-36	2
1475	Firefly luciferase gene: structure and expression in mammalian cells. 1987 , 7, 725-37	2965
1474	Efficient saturation mutagenesis of a pentapeptide coding sequence using mixed oligonucleotides. 1987 , 6, 381-8	15
1473	Bovine and human cDNA sequences encoding a putative benzodiazepine receptor ligand. 1987 , 6, 71-9	75
1472	Amyloid beta protein gene: cDNA, mRNA distribution, and genetic linkage near the Alzheimer locus. 1987 , 235, 880-4	1429
1471	Cloning and sequence analysis of simian transforming growth factor-beta cDNA. 1987 , 6, 239-44	95
1470	Charons 36 to 40: multi enzyme, high capacity, recombination deficient replacement vectors with polylinkers and polystuffers. 1987 , 15, 2677-98	120
1469	A new SV40-based vector developed for cDNA expression in animal cells. 1987 , 101, 1307-10	8
1468	Saccharomyces cerevisiae SSB1 protein and its relationship to nucleolar RNA-binding proteins. 1987 , 7, 2947-55	127
1467	Molecular assembly of the lipoprotein trimer on the peptidoglycan layer of Escherichia coli. 1987 , 102, 975-83	11
1466	Alpha 2-antiplasmin Enschede: alanine insertion and abolition of plasmin inhibitory activity. 1987 , 238, 209-11	67
1465	Molecular cloning of complementary DNA for human medullasin: an inflammatory serine protease in bone marrow cells. 1987 , 102, 13-6	20
1464	Nucleotide sequence of the staphylocoagulase gene: its unique COOH-terminal 8 tandem repeats. 1987 , 102, 1177-86	50
1463	Cosmid shuttle vectors for cloning and analysis of Streptomyces DNA. 1987 , 153, 166-98	85
1462	Cloning and sequencing of the medium-chain S-acyl fatty acid synthetase thioester hydrolase cDNA from rat mammary gland. 1987 , 243, 597-601	25
1461	Subgenes expressing single lipoyl domains of the pyruvate dehydrogenase complex of Escherichia coli. 1987 , 245, 869-74	34
1460	The binding of the cyclic AMP receptor protein to synthetic DNA sites containing permutations in the consensus sequence TGTGA. 1987 , 246, 227-32	38
1459	Cloning of rat brain succinyl-CoA:3-oxoacid CoA-transferase cDNA. Regulation of the mRNA in different rat tissues and during brain development. 1987 , 248, 853-7	9

1458	Endo-beta-1,4-glucanase gene of <i>Bacillus subtilis</i> DLG. 1987 , 169, 2017-25	57
1457	Nucleotide sequence analysis of RepFIC, a basic replicon present in IncFI plasmids P307 and F, and its relation to the RepA replicon of IncFII plasmids. 1987 , 169, 1836-46	65
1456	The <i>phoBR</i> operon in <i>Escherichia coli</i> K-12. 1987 , 169, 5569-74	82
1455	Cloning and characterization of elastase genes from <i>Pseudomonas aeruginosa</i> . 1987 , 169, 2691-6	58
1454	Four plasmid genes are required for colicin V synthesis, export, and immunity. 1987 , 169, 2466-70	106
1453	Organization and regulation of an operon that encodes a sporulation-essential sigma factor in <i>Bacillus subtilis</i> . 1987 , 169, 3329-39	163
1452	Cloning and sequencing of the alcohol dehydrogenase II gene from <i>Zymomonas mobilis</i> . 1987 , 169, 2591-7	186
1451	Identification and characterization of the <i>Rhizobium meliloti</i> <i>ntrC</i> gene: <i>R. meliloti</i> has separate regulatory pathways for activation of nitrogen fixation genes in free-living and symbiotic cells. 1987 , 169, 1423-32	150
1450	The 65-kilodalton antigen of <i>Mycobacterium tuberculosis</i> . 1987 , 169, 1080-8	331
1449	Regulation and initiation of <i>cenB</i> transcripts of <i>Cellulomonas fimi</i> . 1987 , 169, 4674-7	17
1448	Processing of the initiation methionine from proteins: properties of the <i>Escherichia coli</i> methionine aminopeptidase and its gene structure. 1987 , 169, 751-7	453
1447	Molecular biology in <i>Dictyostelium</i> : tools and applications. 1987 , 28, 67-100	199
1446	Cloning and expression in <i>Escherichia coli</i> of a <i>Klebsiella ozaenae</i> plasmid-borne gene encoding a nitrilase specific for the herbicide bromoxynil. 1987 , 169, 955-60	84
1445	Nucleotide sequence of a glucosyltransferase gene from <i>Streptococcus sobrinus</i> MFe28. 1987 , 169, 4271-8	199
1444	New regulatory features of the promoters of an <i>Escherichia coli</i> rRNA gene. 1987 , 169, 272-7	25
1443	Cloning and genetic organization of the <i>pca</i> gene cluster from <i>Acinetobacter calcoaceticus</i> . 1987 , 169, 3168-74	80
1442	Two single-base-pair substitutions causing desensitization to tryptophan feedback inhibition of anthranilate synthase and enhanced expression of tryptophan genes of <i>Brevibacterium lactofermentum</i> . 1987 , 169, 5330-2	42
1441	<i>Bordetella parapertussis</i> and <i>Bordetella bronchiseptica</i> contain transcriptionally silent pertussis toxin genes. 1987 , 169, 2847-53	185

1440	Molecular cloning, characterization, and chromosomal localization of <i>dapF</i> , the <i>Escherichia coli</i> gene for diaminopimelate epimerase. 1987 , 169, 1454-9	64
1439	DNA sequence and in vitro expression of the B875 light-harvesting polypeptides of <i>Rhodobacter sphaeroides</i> . 1987 , 169, 742-50	80
1438	pKUN, vectors for the separate production of both DNA strands of recombinant plasmids. 1987 , 153, 12-34	30
1437	Site-specific mutagenesis to modify the human tumor necrosis factor gene. 1987 , 154, 403-14	6
1436	DNA sequencing: a new strategy to create ordered deletions, modified M13 vector, and improved reaction conditions for sequencing by dideoxy chain termination method. 1987 , 155, 119-39	24
1435	A systematic approach to chemical DNA sequencing by subcloning in pGV451 and derived vectors. 1987 , 155, 231-50	16
1434	Solid-phase methods for sequencing of oligodeoxyribonucleotides and DNA. 1987 , 155, 301-31	14
1433	Identification of Tn4451 and Tn4452, chloramphenicol resistance transposons from <i>Clostridium perfringens</i> . 1987 , 169, 1579-84	63
1432	Characterization of <i>Pseudomonas aeruginosa</i> mutants with altered piliation. 1987 , 169, 5663-7	34
1431	Cloning and expression in <i>Escherichia coli</i> of chromosomal mercury resistance genes from a <i>Bacillus</i> sp. 1987 , 169, 4848-51	38
1430	Replication control genes of plasmid pE194. 1987 , 169, 4822-9	126
1429	Expression, purification, and characterization of an exo-beta-D-fructosidase of <i>Streptococcus mutans</i> . 1987 , 169, 4507-17	103
1428	Purification and amino-terminal amino acid sequence of an apurinic/apyrimidinic endonuclease from calf thymus. 1987 , 15, 5529-44	26
1427	Homologous recombination intermediates between two duplex DNA catalysed by human cell extracts. 1987 , 15, 5643-55	34
1426	Solid-phase assembly of cow colostrum trypsin inhibitor gene. 1987 , 15, 4849-56	29
1425	Evolution of P transposable elements: sequences of <i>Drosophila nebulosa</i> P elements. 1987 , 84, 6491-5	52
1424	Specific binding of transposase to terminal inverted repeats of transposable element Tn3. 1987 , 84, 8220-4	42
1423	Molecular cloning and sequence analysis of the <i>Plasmodium falciparum</i> dihydrofolate reductase-thymidylate synthase gene. 1987 , 84, 8360-4	212

1422	Cloning of the bovine 215-kDa cation-independent mannose 6-phosphate receptor. 1987 , 84, 2233-7	126
1421	cDNA sequence of human transforming gene hst and identification of the coding sequence required for transforming activity. 1987 , 84, 2980-4	272
1420	A highly conserved endonuclease activity present in <i>Escherichia coli</i> , bovine, and human cells recognizes oxidative DNA damage at sites of pyrimidines. 1987 , 7, 26-32	109
1419	Identification of healed terminal DNA fragments in linear minichromosomes of <i>Schizosaccharomyces pombe</i> . 1987 , 7, 4424-30	74
1418	The genome of <i>Trypanosoma cruzi</i> contains a constitutively expressed, tandemly arranged multicopy gene homologous to a major heat shock protein. 1987 , 7, 1271-5	130
1417	Isolation of human cDNAs for asparagine synthetase and expression in Jensen rat sarcoma cells. 1987 , 7, 2435-43	89
1416	Developmental regulation and identification of an isotype encoded by altB, an alpha-tubulin locus in <i>Physarum polycephalum</i> . 1987 , 7, 3337-40	10
1415	Overproduction and purification of the luxR gene product: Transcriptional activator of the <i>Vibrio fischeri</i> luminescence system. 1987 , 84, 6639-43	68
1414	Cloning and expression of T4 DNA polymerase. 1987 , 84, 7000-4	43
1413	<i>Bacillus subtilis</i> sucrose-specific enzyme II of the phosphotransferase system: expression in <i>Escherichia coli</i> and homology to enzymes II from enteric bacteria. 1987 , 84, 8773-7	79
1412	Requirement for d(GATC) sequences in <i>Escherichia coli</i> mutHLS mismatch correction. 1987 , 84, 1482-6	100
1411	Efficient transformation of <i>Mycobacterium tuberculosis</i> (Nocardia orientalis) protoplasts by <i>Streptomyces</i> plasmids. 1987 , 169, 2298-300	50
1410	High-level expression of a proteolytically sensitive diphtheria toxin fragment in <i>Escherichia coli</i> . 1987 , 169, 5140-51	45
1409	cDNA and deduced amino acid sequence of human pulmonary surfactant-associated proteolipid SPL(Phe). 1987 , 84, 4007-11	152
1408	Molecular cloning and characterization of the insecticidal crystal protein gene of <i>Bacillus thuringiensis</i> var. <i>tenebrionis</i> . 1987 , 84, 7036-40	91
1407	Genomic sequence of hst, a transforming gene encoding a protein homologous to fibroblast growth factors and the int-2-encoded protein. 1987 , 84, 7305-9	235
1406	Repressor of P elements in <i>Drosophila melanogaster</i> : Cytotype determination by a defective P element carrying only open reading frames 0 through 2. 1987 , 84, 7605-8	55
1405	A small multigene family encodes Gi signal-transduction proteins. 1987 , 84, 7886-90	76

1404	Characterization of pHV2 from <i>Halobacterium volcanii</i> and its use in demonstrating transformation of an archaebacterium. 1987 , 84, 8530-4	140
1403	Metallothionein genes MTa and MTb expressed under distinct quantitative and tissue-specific regulation in sea urchin embryos. 1987 , 7, 48-58	60
1402	Isolation and sequencing of cDNA clones encoding alpha and beta subunits of <i>Drosophila melanogaster</i> casein kinase II. 1987 , 7, 3409-17	165
1401	Isolation and characterization of temperature-sensitive RNA polymerase II mutants of <i>Saccharomyces cerevisiae</i> . 1987 , 7, 2155-64	47
1400	Molecular cloning of Lyt-3, a membrane glycoprotein marking a subset of mouse T lymphocytes: molecular homology to immunoglobulin and T-cell receptor variable and joining regions. 1987 , 84, 4210-4	36
1399	Nucleotide sequence and expression of the mercurial-resistance operon from <i>Staphylococcus aureus</i> plasmid pI258. 1987 , 84, 5106-10	118
1398	Recombinant hydrophilic region of murine retroviral protein p15E inhibits stimulated T-lymphocyte proliferation. 1987 , 84, 7290-4	20
1397	Continuing rearrangement of immunoglobulin and T-cell receptor genes in a Ha-ras-transformed lymphoid progenitor cell line. 1987 , 84, 1799-803	38
1396	Neural BC1 RNA: cDNA clones reveal nonrepetitive sequence content. 1987 , 84, 2624-8	126
1395	Cloning and characterization of the low-affinity cyclic AMP phosphodiesterase gene of <i>Saccharomyces cerevisiae</i> . 1987 , 7, 3629-36	200
1394	Differential regulation of a hydroxyproline-rich glycoprotein gene family in wounded and infected plants. 1987 , 7, 4337-44	201
1393	Proline utilization in <i>Saccharomyces cerevisiae</i> : sequence, regulation, and mitochondrial localization of the PUT1 gene product. 1987 , 7, 4431-40	105
1392	The yeast repeated element sigma contains a hormone-inducible promoter. 1987 , 7, 749-59	93
1391	Rat c-raf oncogene activation by a rearrangement that produces a fused protein. 1987 , 7, 1226-32	76
1390	Cloning, sequence determination, and expression in transfected cells of the coding sequence for the tox 176 attenuated diphtheria toxin A chain. 1987 , 7, 1576-9	73
1389	Identification and characterization of cDNA clones encoding two homologous proteins that are part of the asialoglycoprotein receptor. 1987 , 7, 1841-7	38
1388	Heterologous expression and characterization of the human R-ras gene product. 1987 , 7, 2845-56	68
1387	The ovarian, ecdysterone, and heat-shock-responsive promoters of the <i>Drosophila melanogaster</i> hsp27 gene react very differently to perturbations of DNA sequence. 1987 , 7, 973-81	45

1386	Murine DNA polymerase beta gene: mapping of transcription initiation sites and the nucleotide sequence of the putative promoter region. 1987 , 7, 2012-8	54
1385	Complementation of a threonine dehydratase-deficient <i>Nicotiana plumbaginifolia</i> mutant after <i>Agrobacterium tumefaciens</i> -mediated transfer of the <i>Saccharomyces cerevisiae</i> ILV1 gene. 1987 , 7, 2552-7	25
1384	Molecular cloning of a prolactin-related mRNA expressed in bovine placenta. 1987 , 84, 5650-4	38
1383	Expression of enzymatically active poliovirus RNA-dependent RNA polymerase in <i>Escherichia coli</i> . 1987 , 84, 6050-4	38
1382	Structure and expression of the gene encoding the vasoactive intestinal peptide precursor. 1987 , 84, 605-9	71
1381	A mutational analysis of the insulin gene transcription control region: expression in beta cells is dependent on two related sequences within the enhancer. 1987 , 84, 8819-23	245
1380	Isolation and sequencing of the gene encoding delta 5-3-ketosteroid isomerase of <i>Pseudomonas testosteroni</i> : overexpression of the protein. 1987 , 84, 8893-7	51
1379	Replacement of lysine residue 1030 in the putative ATP-binding region of the insulin receptor abolishes insulin- and antibody-stimulated glucose uptake and receptor kinase activity. 1987 , 84, 704-8	383
1378	Two promoters, one inducible and one constitutive, control transcription of the <i>Streptomyces lividans</i> galactose operon. 1987 , 84, 2130-4	61
1377	A mutation in the B chain coding region is associated with impaired proinsulin conversion in a family with hyperproinsulinemia. 1987 , 84, 2194-7	71
1376	Mutations that inactivate a yeast transcriptional regulatory protein cluster in an evolutionarily conserved DNA binding domain. 1987 , 84, 2401-5	99
1375	Mutation to male fertility and toxin insensitivity in Texas (T)-cytoplasm maize is associated with a frameshift in a mitochondrial open reading frame. 1987 , 84, 2858-62	110
1374	Isolation of cDNA clones for the catalytic gamma subunit of mouse muscle phosphorylase kinase: expression of mRNA in normal and mutant Phk mice. 1987 , 84, 2886-90	54
1373	Isolation and characterization of a steroid sulfatase cDNA clone: genomic deletions in patients with X-chromosome-linked ichthyosis. 1987 , 84, 4519-23	118
1372	Analysis of the role of cysteine residues in isopenicillin N synthetase activity by site-directed mutagenesis. 1987 , 84, 5705-9	49
1371	Heterologous enzyme function in <i>Escherichia coli</i> and the selection of genes encoding the catalytic RNA subunit of RNase P. 1987 , 84, 6825-9	32
1370	Cloning genes for the biosynthesis of a macrolide antibiotic. 1987 , 84, 8248-52	77
1369	A segment of GCN4 mRNA containing the upstream AUG codons confers translational control upon a heterologous yeast transcript. 1987 , 84, 2863-7	87

1368	Expression of human insulin-like growth factor I in bacteria: use of optimized gene fusion vectors to facilitate protein purification. 1987 , 26, 5239-44		132
1367	High-copy-number and low-copy-number plasmid vectors for lacZ alpha-complementation and chloramphenicol- or kanamycin-resistance selection. <i>Gene</i> , 1987 , 61, 63-74	3.8	690
1366	Repair of thymine.guanine and uracil.guanine mismatched base-pairs in bacteriophage M13mp18 DNA heteroduplexes. 1987 , 197, 617-26		19
1365	Allelic dimorphism in a surface antigen gene of the malaria parasite <i>Plasmodium falciparum</i> . 1987 , 195, 273-87		394
1364	Cloned extrachromosomal circular DNA copies of the human transposable element THE-1 are related predominantly to a single type of family member. 1987 , 196, 233-43		26
1363	Nucleotide sequence of a chicken vitellogenin gene and derived amino acid sequence of the encoded yolk precursor protein. 1987 , 196, 245-60		128
1362	Sequences of the genes and polypeptide precursors for two bovine protease inhibitors. 1987 , 194, 11-22		59
1361	T-even-type bacteriophages use an adhesin for recognition of cellular receptors. 1987 , 194, 23-30		38
1360	DNA sequence of genes 38 encoding a receptor-recognizing protein of bacteriophages T2, K3 and of K3 host range mutants. 1987 , 194, 31-9		28
1359	The isolation and characterisation of cDNA and genomic clones for human lecithin: cholesterol acyltransferase. 1987 , 910, 142-8		8
1358	Expression of human antithrombin III in <i>Saccharomyces cerevisiae</i> and <i>Schizosaccharomyces pombe</i> . 1987 , 908, 203-13		57
1357	Chloramphenicol resistance cloning vector based on pUC9. 1987 , 17, 54-7		41
1356	Extrachromosomal systems and gene transmission in anaerobic bacteria. 1987 , 17, 87-109		62
1355	A vector for construction of gene libraries and the expression of heterologous genes in <i>Saccharomyces cerevisiae</i> . 1987 , 17, 171-2		4
1354	Physical comparison of parathion hydrolase plasmids from <i>Pseudomonas diminuta</i> and <i>Flavobacterium</i> sp. 1987 , 18, 173-7		52
1353	Mini-Mu transduction: cis-inhibition of the insertion of Mud transposons. 1987 , 18, 183-92		25
1352	Nucleotide sequence of the kanamycin resistance determinant of plasmid RP4: homology to other aminoglycoside 3'-phosphotransferases. 1987 , 18, 193-204		30
1351	Analysis of <i>Escherichia coli</i> K12 F factor transfer genes: traQ, trbA, and trbB. 1987 , 18, 54-69		23

1350	The plasmid-maintenance functions of the P7 prophage. 1987 , 18, 93-8		11
1349	Transformation of <i>Aspergillus</i> based on the hygromycin B resistance marker from <i>Escherichia coli</i> . <i>Gene</i> , 1987 , 56, 117-24	3.8	813
1348	Transformation of <i>Aspergillus nidulans</i> with the hygromycin-resistance gene, hph. <i>Gene</i> , 1987 , 57, 21-6	3.8	183
1347	The inducible lac operator-repressor system is functional in mammalian cells. 1987 , 48, 555-66		206
1346	Human interleukin-1 beta gene. <i>Gene</i> , 1987 , 52, 95-101	3.8	80
1345	Isolation and characterization of IS elements repeated in the bacterial chromosome. 1987 , 196, 445-55		97
1344	The MT family of mouse DNA is made of short interspersed repeated elements. <i>Gene</i> , 1987 , 57, 81-8	3.8	17
1343	Automated DNA sequencing: ultrasensitive detection of fluorescent bands during electrophoresis. 1987 , 15, 4593-602		280
1342	Controlled Expression and Secretion of Bovine Chymosin in <i>Aspergillus Nidulans</i> . 1987 , 5, 369-376		83
1341	Cloning, mapping and molecular analysis of the pyrG (orotidine-5'-phosphate decarboxylase) gene of <i>Aspergillus nidulans</i> . <i>Gene</i> , 1987 , 61, 385-99	3.8	163
1340	Selective removal of transcription-blocking DNA damage from the transcribed strand of the mammalian DHFR gene. 1987 , 51, 241-9		1100
1339	Rapid and efficient method for cloning of blunt-ended DNA fragments. <i>Gene</i> , 1987 , 51, 69-75	3.8	43
1338	The nucleotide sequence and gene organization of the gerA spore germination operon of <i>Bacillus subtilis</i> 168. <i>Gene</i> , 1987 , 51, 1-11	3.8	80
1337	Catabolite repression-resistant mutations of the <i>Bacillus subtilis</i> alpha-amylase promoter affect transcription levels and are in an operator-like sequence. 1987 , 198, 609-18		84
1336	Sequence organization of repetitive sequences enriched in small polydisperse circular DNAs from HeLa cells. 1987 , 198, 557-65		20
1335	Unrelated leader sequences can efficiently promote human tRNA gene transcription. <i>Gene</i> , 1987 , 51, 237-46	3.8	39
1334	Expression of <i>Bacillus amyloliquefaciens</i> extracellular ribonuclease (barnase) in <i>Escherichia coli</i> following an inactivating mutation. <i>Gene</i> , 1987 , 53, 11-9	3.8	66
1333	Nucleotide sequence of korB, a replication control gene of broad host-range plasmid RK2. 1987 , 198, 211-22		46

1332	Structural organization of the mouse mitochondrial aspartate aminotransferase gene. 1987 , 198, 21-31		49
1331	Extracellular proteins of <i>Vibrio cholerae</i> : molecular cloning, nucleotide sequence and characterization of the deoxyribonuclease (DNase) together with its periplasmic localization in <i>Escherichia coli</i> K-12. <i>Gene</i> , 1987 , 53, 31-40	3.8	47
1330	Structural characteristics of the PHO8 gene encoding repressible alkaline phosphatase in <i>Saccharomyces cerevisiae</i> . <i>Gene</i> , 1987 , 58, 137-48	3.8	91
1329	Structural organization of the 5' region of the thyroglobulin gene. Evidence for intron loss and "exonization" during evolution. 1987 , 196, 769-79		65
1328	Structure of the human and murine R-ras genes, novel genes closely related to ras proto-oncogenes. 1987 , 48, 137-46		217
1327	Analysis of a human gene cluster coding for tRNA(GAAPhe) and tRNA(UUULys). <i>Gene</i> , 1987 , 56, 231-43	3.8	17
1326	The molecular pathogenesis of astrogliosis in scrapie and Alzheimer's disease. 1987 , 2, 435-42		48
1325	DNA sequence variation within the beta-glucuronidase gene complex among inbred strains of mice. 1987 , 1, 145-52		10
1324	T cell receptor beta gene sequences in the circular DNA of thymocyte nuclei: direct evidence for intramolecular DNA deletion in V-D-J joining. 1987 , 49, 477-85		141
1323	Nucleotide sequence and molecular evolution of mouse retrovirus-like IAP elements. <i>Gene</i> , 1987 , 56, 1-12	3.8	23
1322	Molecular analysis of mbcl-2: structure and expression of the murine gene homologous to the human gene involved in follicular lymphoma. 1987 , 49, 455-63		184
1321	Gene families encode the major encystment-specific proteins of <i>Physarum polycephalum</i> plasmodia. <i>Gene</i> , 1987 , 59, 265-77	3.8	53
1320	The circumsporozoite gene of the <i>Plasmodium cynomolgi</i> complex. 1987 , 48, 311-9		101
1319	New and versatile cloning vectors with kanamycin-resistance marker. <i>Gene</i> , 1987 , 56, 309-12	3.8	400
1318	Nucleotide sequence and expression of the cloned gene of bacteriophage SP6 RNA polymerase. 1987 , 15, 2653-64		66
1317	Characterization of a panel of highly variable minisatellites cloned from human DNA. 1987 , 51, 269-88		502
1316	Protein encoded by ORF I of cauliflower mosaic virus is part of the viral inclusion body. 1987 , 160, 527-30		23
1315	Two related viral genes are located on a single superhelical DNA segment of the multipartite <i>Campoletis sonorensis</i> virus genome. 1987 , 160, 120-34		43

1314	Identification and nucleotide sequence analysis of the repetitive DNA element in the genome of fish lymphocystis disease virus. 1987 , 161, 570-8	28
1313	Sequence of the dengue-1 virus genome in the region encoding the three structural proteins and the major nonstructural protein NS1. 1987 , 161, 262-7	103
1312	Partial nucleotide sequence of the Japanese encephalitis virus genome. 1987 , 158, 348-60	93
1311	Proteolytic activity of the cowpea mosaic virus encoded 24K protein synthesized in Escherichia coli. 1987 , 159, 67-75	23
1310	Restriction enzyme accessibility and RNA polymerase localization on transcriptionally active SV40 minichromosomes isolated late in infection. 1987 , 159, 84-93	7
1309	Analysis of the genome of satellite panicum mosaic virus. 1987 , 159, 329-38	44
1308	Expression of myosin heavy chain gene in the sea urchin: coregulation with muscle actin transcription in early development. 1987 , 123, 115-24	9
1307	The nucleotide sequence of the amiE gene of Pseudomonas aeruginosa. 1987 , 215, 291-4	32
1306	A unique amino acid substitution in the outer membrane protein OmpA causes conjugation deficiency in Escherichia coli K-12. 1987 , 223, 387-90	32
1305	Differential regulation of muscle acetylcholine receptor gamma- and epsilon-subunit mRNAs. 1987 , 223, 104-12	168
1304	Nucleotide sequence of the open reading frames adjacent to the coat protein cistron in potato virus X genome. 1987 , 213, 438-442	48
1303	Primary structure of human pancreatic secretory trypsin inhibitor (PSTI) gene. 1987 , 149, 635-41	77
1302	Molecular cloning and in vivo expression of a precursor to rat mitochondrial aspartate aminotransferase. 1987 , 149, 859-65	64
1301	Substitution of an arginyl residue for the active site lysyl residue (Lys258) of aspartate aminotransferase. 1987 , 146, 416-21	28
1300	Rat IGF-I cDNA's contain multiple 5'-untranslated regions. 1987 , 146, 1154-9	70
1299	Sequence of membrane-associated thyroid hormone binding protein from bovine liver: its identity with protein disulphide isomerase. 1987 , 146, 1485-92	111
1298	The isolation and characterisation of a cDNA clone for human lecithin:cholesterol acyl transferase and its use to analyse the genes in patients with LCAT deficiency and fish eye disease. 1987 , 148, 161-9	34
1297	Yeast pyruvate carboxylase: gene isolation. 1987 , 145, 390-6	18

1296	The effects of DNA methylation by Hha I methylase on the cleavage reactions by Hae II, Aha II and Ban I endonucleases. 1987 , 145, 482-7		10
1295	Human liver type pyruvate kinase: cDNA cloning and chromosomal assignment. 1987 , 143, 431-8		24
1294	Molecular cloning of the S-antigen cDNA from bovine retina. 1987 , 142, 904-10		84
1293	Identification of the Rts 1 DNA fragment responsible for temperature sensitive growth of host cells harboring a drug resistant factor Rts 1. 1987 , 142, 1084-8		6
1292	Essentiality of Glu-48 of ribulose bisphosphate carboxylase/oxygenase as demonstrated by site-directed mutagenesis. 1987 , 145, 1158-63		29
1291	Thymine glycol-DNA glycosylase/AP endonuclease of CEM-C1 lymphoblasts: a human analog of Escherichia coli endonuclease III. 1987 , 149, 93-101		19
1290	Cloning, Characterization, and Expression in Saccharomyces Cerevisiae of Endoglucanase I from Trichoderma Reesei. 1987 , 5, 60-64		77
1289	Construction of a plasmid vector for the regulatable high level expression of eukaryotic genes in Escherichia coli: an application to overproduction of chicken lysozyme. 1987 , 1, 327-32		91
1288	The structure and cloning of orf virus DNA. 1987 , 157, 1-12		60
1287	The spleen necrosis virus int gene product expressed in Escherichia coli has DNA binding activity and mediates att and U5-specific DNA multimer formation in vitro. 1987 , 157, 127-36		10
1286	Automatic manipulation of microlitre volumes of liquid reagents. 1987 , 20, 22-26		6
1285	Overdrive is a T-region transfer enhancer which stimulates T-strand production in Agrobacterium tumefaciens. 1987 , 15, 8983-97		51
1284	Cloning and heterologous expression of an insecticidal delta-endotoxin gene from Bacillus thuringiensis var. aizawai IC1 toxic to both lepidoptera and diptera. <i>Gene</i> , 1987 , 52, 285-90	3.8	37
1283	Expression of antibody cDNA in murine myeloma cells: possible involvement of additional regulatory elements in transcription of immunoglobulin genes. <i>Gene</i> , 1987 , 60, 205-16	3.8	13
1282	Complete primary structure of vertebrate smooth muscle myosin heavy chain deduced from its complementary DNA sequence. Implications on topography and function of myosin. 1987 , 198, 143-57		195
1281	A new vector derived from Agrobacterium rhizogenes plasmids: a micro-Ri plasmid and its use to construct a mini-Ri plasmid. <i>Gene</i> , 1987 , 55, 105-14	3.8	34
1280	Cloning of Streptococcus pneumoniae DNA fragments in Escherichia coli requires vectors protected by strong transcriptional terminators. <i>Gene</i> , 1987 , 55, 179-87	3.8	116
1279	Functional redundancy and structural polymorphism in the large subunit of RNA polymerase II. 1987 , 50, 909-15		291

1278	Extracellular production of cloned alpha-amylase by <i>Escherichia coli</i> . <i>Gene</i> , 1987 , 61, 165-76	3.8	47
1277	Plasmid and bacteriophage vectors for excision of intact inserts. <i>Gene</i> , 1987 , 57, 193-201	3.8	127
1276	A family of cosmid vectors with the multi-copy R6K replication origin. <i>Gene</i> , 1987 , 57, 229-37	3.8	46
1275	Yeast KEX1 gene encodes a putative protease with a carboxypeptidase B-like function involved in killer toxin and alpha-factor precursor processing. 1987 , 50, 573-84		183
1274	Immunoblot test with recombinant HIV antigens. 1987 , 2, 1093		7
1273	A single nucleotide base transition is the basis of the common human glucose-6-phosphate dehydrogenase variant A (+). 1987 , 1, 228-31		52
1272	Cloning and nucleotide sequence of a carbomycin-resistance gene from <i>Streptomyces thermotolerans</i> . <i>Gene</i> , 1987 , 53, 73-83	3.8	66
1271	The complete nucleotide sequence of the left very early region of <i>Escherichia coli</i> bacteriophage PRD1 coding for the terminal protein and the DNA polymerase. <i>Gene</i> , 1987 , 57, 121-30	3.8	48
1270	<i>fbc</i> operon, encoding the Rieske Fe-S protein cytochrome b, and cytochrome c1 apoproteins previously described from <i>Rhodopseudomonas sphaeroides</i> , is from <i>Rhodopseudomonas capsulata</i> . 1987 , 195, 25-9		49
1269	Primary structure of an alpha-tubulin gene of <i>Physarum polycephalum</i> . 1987 , 193, 427-38		47
1268	Cloning of an outer membrane protein of <i>Neisseria meningitidis</i> in <i>Escherichia coli</i> . 1987 , 3, 445-53		4
1267	Nucleotide sequence of the hemagglutinin-neuraminidase gene of Newcastle disease virus avirulent strain D26: evidence for a longer coding region with a carboxyl terminal extension as compared to virulent strains. 1987 , 8, 217-32		28
1266	Nucleotide sequence and expression of gene <i>nahH</i> of plasmid NAH7 and homology with gene <i>xyle</i> of TOL pWWO. <i>Gene</i> , 1987 , 55, 19-28	3.8	86
1265	An <i>nptI-sacB-sacR</i> cartridge for constructing directed, unmarked mutations in gram-negative bacteria by marker exchange-eviction mutagenesis. <i>Gene</i> , 1987 , 57, 239-46	3.8	320
1264	Unusual genetic codes and a novel gene structure for tRNA(AGYSer) in starfish mitochondrial DNA. <i>Gene</i> , 1987 , 56, 219-30	3.8	91
1263	Complete cloning of the Duchenne muscular dystrophy (DMD) cDNA and preliminary genomic organization of the DMD gene in normal and affected individuals. 1987 , 50, 509-17		2064
1262	Isolation and structure of the replicon of the promiscuous plasmid pCU1. <i>Gene</i> , 1987 , 58, 217-28	3.8	18
1261	A transposable promoter and transposable promoter probes derived from Tn1721. <i>Gene</i> , 1987 , 53, 127-34	3.8	48

1260	The nucleotide sequence of the peplomer gene of porcine transmissible gastroenteritis virus (TGEV): comparison with the sequence of the peplomer protein of feline infectious peritonitis virus (FIPV). 1987 , 8, 363-71		58
1259	Linkage, physical mapping, and DNA sequence analysis of pseudoautosomal loci on the human X and Y chromosomes. 1987 , 1, 243-56		129
1258	The nucleotide sequence of complementary DNA and the deduced amino acid sequence of peroxisomal catalase of the yeast <i>Candida tropicalis</i> pK233. <i>Gene</i> , 1987 , 61, 401-13	3.8	26
1257	A method for cloning mixtures of long, synthetic oligodeoxynucleotides. 1987 , 4, 105-10		4
1256	Structure-function analysis of fos protein: a single amino acid change activates the immortalizing potential of v-fos. 1987 , 48, 647-57		87
1255	Two gene duplication events in the evolution of the human heat-stable alkaline phosphatases. <i>Gene</i> , 1987 , 60, 267-76	3.8	26
1254	A new shuttle cosmid vector, pKC505, for streptomycetes: its use in the cloning of three different spiramycin-resistance genes from a <i>Streptomyces ambofaciens</i> library. <i>Gene</i> , 1987 , 61, 231-41	3.8	85
1253	Purification and DNA-binding properties of FIS and Cin, two proteins required for the bacteriophage P1 site-specific recombination system, cin. 1987 , 198, 579-87		59
1252	<i>Trypanosoma brucei</i> repeated element with unusual structural and transcriptional properties. 1987 , 195, 855-71		144
1251	A restriction fragment length polymorphism in the 5' non-transcribed spacer of the rDNA of <i>Tetrahymena thermophila</i> inbred strains B and C3. <i>Gene</i> , 1987 , 55, 169-78	3.8	6
1250	Nature of recombination involved in excision and rearrangement of human repetitive DNA. 1987 , 198, 589-98		17
1249	Primary structure of the bc1 complex of <i>Rhodospseudomonas capsulata</i> . Nucleotide sequence of the pet operon encoding the Rieske cytochrome b, and cytochrome c1 apoproteins. 1987 , 195, 13-24		113
1248	Sequence of a lepidopteran toxin gene of <i>Bacillus thuringiensis</i> subsp <i>kurstaki</i> NRD-12. 1987 , 6, 307-322		19
1247	Cloning of the riboB locus of <i>Aspergillus nidulans</i> . <i>Gene</i> , 1987 , 53, 293-8	3.8	143
1246	Three different genes in <i>S. cerevisiae</i> encode the catalytic subunits of the cAMP-dependent protein kinase. 1987 , 50, 277-87		650
1245	The <i>S. cerevisiae</i> CDC25 gene product regulates the RAS/adenylate cyclase pathway. 1987 , 48, 789-99		488
1244	Preparation of large numbers of plasmid DNA samples in microtiter plates by the alkaline lysis method. 1987 , 4, 41-4		23
1243	Structural analysis of a variant clone of Snyder-Theilen feline sarcoma virus. 1987 , 8, 349-61		

1242	Determination of the nucleotide sequence flanking the deletion (0.762 to 0.789 map units) in the genome of an intraperitoneally avirulent HSV-1 strain HFEM. 1987 , 7, 105-15		17
1241	A versatile and simplified non-random strategy for nucleotide sequencing. <i>Gene</i> , 1987 , 56, 245-52	3.8	13
1240	Convenient vectors for cloning and sequencing EcoRI and HindIII fragments. <i>Gene</i> , 1987 , 58, 297-8	3.8	8
1239	Multicopy expression vectors carrying the lac repressor gene for regulated high-level expression of genes in <i>Escherichia coli</i> . <i>Gene</i> , 1987 , 51, 255-67	3.8	317
1238	Structure and function of the trp operon control regions of <i>Brevibacterium lactofermentum</i> , a glutamic-acid-producing bacterium. <i>Gene</i> , 1987 , 53, 191-200	3.8	26
1237	Characterization of the <i>Escherichia coli</i> modified cytosine restriction (mcrB) gene. <i>Gene</i> , 1987 , 61, 277-89	3.8	25
1236	Replication origin (oric) on the complementary DNA strand of <i>Escherichia coli</i> phage G4: biological properties of mutants. <i>Gene</i> , 1987 , 53, 265-73	3.8	26
1235	Effect of Z-DNA on nucleosome placement. 1987 , 196, 581-90		92
1234	Production and detection of coliphage T4 endonuclease V polyclonal and monoclonal antibodies using staphylococcal protein-A hybrid proteins. <i>Gene</i> , 1987 , 58, 99-107	3.8	12
1233	Positive regulation of the <i>Escherichia coli</i> L-rhamnose operon is mediated by the products of tandemly repeated regulatory genes. 1987 , 196, 789-99		80
1232	Molecular characterization of the histone gene family of <i>Caenorhabditis elegans</i> . 1987 , 196, 27-38		31
1231	Nucleotide sequence and expression of two beta-tubulin genes in <i>Stylonychia lemnae</i> . 1987 , 198, 643-53		53
1230	Distinct prion proteins in short and long scrapie incubation period mice. 1987 , 51, 651-62		440
1229	Analysis of the regulatory region of the protease III (ptr) gene of <i>Escherichia coli</i> K-12. <i>Gene</i> , 1987 , 54, 185-95	3.8	15
1228	A pre-B cell nuclear protein that specifically interacts with the immunoglobulin V-J recombination sequences. 1987 , 51, 909-17		58
1227	Molecular cloning and nucleotide sequence of P, M and F genes of Newcastle disease virus avirulent strain D26. 1987 , 7, 241-55		66
1226	Expression of Lassa virus nucleocapsid protein segments in bacteria: purification of high-level expression products and their application in antibody detection. <i>Gene</i> , 1987 , 56, 137-44	3.8	8
1225	Expression of the proto-oncogene int-1 is restricted to specific neural cells in the developing mouse embryo. 1987 , 50, 79-88		547

1224	The development of subunit and synthetic vaccines using recombinant DNA technology. 1987 , 5, 235-56		2
1223	Transformation by Rous sarcoma virus induces a novel gene with homology to a mitogenic platelet protein. 1987 , 49, 321-8		200
1222	A novel family of variable region genes of the human immunoglobulin heavy chain. 1987 , 195, 761-8		178
1221	Chemical synthesis of a gene coding for human angiogenin, its expression in <i>Escherichia coli</i> and conversion of the product into its active form. <i>Gene</i> , 1987 , 56, 61-70	3.8	57
1220	A set of cassettes and improved vectors for genetic and biochemical characterization of <i>Pseudomonas</i> genes. <i>Gene</i> , 1987 , 57, 61-72	3.8	80
1219	Isolation of the structural genes for the Rieske Fe-S protein, cytochrome b and cytochrome c1 all components of the ubiquinol: cytochrome c2 oxidoreductase complex of <i>Rhodopseudomonas capsulata</i> . 1987 , 195, 1-12		74
1218	Molecular characterization of the oligopeptide permease of <i>Salmonella typhimurium</i> . 1987 , 195, 125-42		251
1217	Integration of satellite bacteriophage P4 in <i>Escherichia coli</i> . DNA sequences of the phage and host regions involved in site-specific recombination. 1987 , 196, 487-96		104
1216	Tau factor from <i>Escherichia coli</i> mediates accurate and efficient termination of transcription at the bacteriophage T3 early termination site in vitro. 1987 , 198, 43-9		18
1215	Cloning and nucleotide sequence of the murine hsp84 cDNA and chromosome assignment of related sequences. <i>Gene</i> , 1987 , 56, 29-40	3.8	85
1214	Nucleotide sequence of the CLS4 (CDC24) gene of <i>Saccharomyces cerevisiae</i> . <i>Gene</i> , 1987 , 54, 125-32	3.8	87
1213	Primary structure of human pancreatic alpha-amylase gene: its comparison with human salivary alpha-amylase gene. <i>Gene</i> , 1987 , 60, 57-64	3.8	64
1212	Searching for potential Z-DNA in genomic <i>Escherichia coli</i> DNA. 1987 , 193, 447-64		27
1211	Structure and sequence of the <i>Drosophila melanogaster</i> calmodulin gene. 1987 , 196, 471-85		99
1210	A low-copy-number vector utilizing beta-galactosidase for the analysis of gene control elements. <i>Gene</i> , 1987 , 52, 245-56	3.8	101
1209	Branched RNA covalently linked to the 5' end of a single-stranded DNA in <i>Stigmatella aurantiaca</i> : structure of msDNA. 1987 , 48, 47-53		67
1208	Analyses of alpha/beta-type gliadin genes from diploid and hexaploid wheats. <i>Gene</i> , 1987 , 52, 257-66	3.8	51
1207	Nucleotide sequence of the DNA polymerase gene of herpes simplex virus type 2 and comparison with the type 1 counterpart. <i>Gene</i> , 1987 , 52, 129-37	3.8	86

1206	The primary structure of a peroxisomal fatty acyl-CoA oxidase from the yeast <i>Candida tropicalis</i> pK233. <i>Gene</i> , 1987 , 51, 119-28	3.8	33
1205	Rat calmodulin cDNA. 1987 , 6, 267-72		39
1204	Nucleotide sequence of the mouse alpha 1-acid glycoprotein gene 1. 1987 , 26, 5244-50		26
1203	Cloning and Expression of the Fungal Expandase/hydroxylase Gene Involved in Cephalosporin Biosynthesis. 1987 , 5, 1207-1214		74
1202	Characterization of recombinant human alpha 2-antiplasmin and of mutants obtained by site-directed mutagenesis of the reactive site. 1987 , 26, 5133-40		52
1201	Nucleotide sequence and linkage map position of the gene for maize chloroplast ribosomal protein S14. 1987 , 26, 3188-3192		10
1200	Protein sorting in yeast: the localization determinant of yeast vacuolar carboxypeptidase Y resides in the propeptide. 1987 , 48, 887-97		317
1199	Functional elements of DNA upstream from the integrase operon that are conserved in bacteriophages 434 and lambda. <i>Gene</i> , 1987 , 61, 135-44	3.8	5
1198	Characterization of cDNA clones for human myeloperoxidase: predicted amino acid sequence and evidence for multiple mRNA species. 1987 , 15, 2013-28		135
1197	The expression of <i>Cellulomonas fimi</i> cellulase genes in <i>Brevibacterium lactofermentum</i> . <i>Gene</i> , 1987 , 61, 199-206	3.8	27
1196	Sequence comparisons of complementary DNAs encoding aequorin isotypes. 1987 , 26, 1326-32		70
1195	Nucleotide sequence of the pyruvate decarboxylase gene from <i>Zymomonas mobilis</i> . 1987 , 15, 1753-61		48
1194	Genes encoding two lipoproteins in the <i>leuS-dacA</i> region of the <i>Escherichia coli</i> chromosome. 1987 , 169, 5692-9		60
1193	Entire nucleotide sequence of the pullulanase gene of <i>Klebsiella aerogenes</i> W70. 1987 , 169, 2301-6		102
1192	Nucleotide sequence of the epidermolytic toxin A gene of <i>Staphylococcus aureus</i> . 1987 , 169, 3910-5		62
1191	<i>Rhizobium meliloti</i> <i>nifN</i> (<i>fixF</i>) gene is part of an operon regulated by a <i>nifA</i> -dependent promoter and codes for a polypeptide homologous to the <i>nifK</i> gene product. 1987 , 169, 5393-400		46
1190	Evolutionary diversification of class II P loci in the Mhc of the mole-rat <i>Spalax ehrenbergi</i> . 1987 , 4, 287-99		18
1189	Repressor gene <i>finO</i> in plasmids R100 and F: constitutive transfer of plasmid F is caused by insertion of IS3 into F <i>finO</i> . 1987 , 169, 619-23		107

1188	Molecular characterization of the virC genes of the Ti plasmid. 1987 , 169, 2336-44	32
1187	Rolling circle replication of single-stranded DNA plasmid pC194.. 1987 , 6, 3863-3869	101
1186	Characterization and mapping of the Bacillus subtilis prtR gene. 1987 , 169, 434-7	42
1185	Characterization of the virE locus of Agrobacterium tumefaciens plasmid pTiC58. 1987 , 169, 1529-36	50
1184	Sequence analysis of the 17-kilodalton-antigen gene from Rickettsia rickettsii. 1987 , 169, 2385-90	52
1183	Rhizobium meliloti ntrA (rpoN) gene is required for diverse metabolic functions. 1987 , 169, 2424-31	220
1182	Developmental regulation of a novel repetitive protein of Trypanosoma brucei. 1987 , 7, 2838-44	139
1181	DnaA protein is required for replication of the minimal replicon of the broad-host-range plasmid RK2 in Escherichia coli. 1987 , 169, 4703-9	48
1180	Location of F plasmid transfer operon genes traC and traW and identification of the traW product. 1987 , 169, 5119-24	14
1179	Regulation, initiation, and termination of the cenA and cex transcripts of Cellulomonas fimi. 1987 , 169, 646-53	29
1178	Plasmid transfer in Streptomyces lividans: identification of a kil-kor system associated with the transfer region of pIJ101. 1987 , 169, 4177-83	74
1177	The product of the mei3+ gene, expressed under control of the mating-type locus, induces meiosis and sporulation in fission yeast.. 1987 , 6, 729-736	174
1176	A naturally occurring gene encoding the major surface antigen precursor p190 of Plasmodium falciparum lacks tripeptide repeats.. 1987 , 6, 4137-4142	52
1175	Expression of the human papillomavirus type 18 E7 gene by a cassette-vector system for the transcription and translation of open reading frames in eukaryotic cells.. 1987 , 6, 133-138	26
1174	A malaria protein exported into a new compartment within the host erythrocyte.. 1987 , 6, 485-491	95
1173	Overproduction and purification of the Tn3 transposase. 1987 , 101, 1253-64	13
1172	Expression of modified cytochrome c1 genes and restoration of the respiratory function in a yeast mutant lacking the nuclear cytochrome c1 gene. 1987 , 102, 401-10	16
1171	Elements involved in oxygen regulation of the Saccharomyces cerevisiae CYC7 gene. 1987 , 7, 2212-20	84

1170	Genetic and morphological characterization of ftsB and nrdB mutants of <i>Escherichia coli</i> . 1987 , 169, 19-25	35
1169	Complementation of nitrogen-regulatory (ntr-like) mutations in <i>Rhodobacter capsulatus</i> by an <i>Escherichia coli</i> gene: cloning and sequencing of the gene and characterization of the gene product. 1987 , 169, 260-71	31
1168	DNA element of <i>Corynebacterium diphtheriae</i> with properties of an insertion sequence and usefulness for epidemiological studies. 1987 , 169, 308-12	29
1167	Nucleotide sequence of the 2,3-dihydroxybiphenyl dioxygenase gene of <i>Pseudomonas pseudoalcaligenes</i> . 1987 , 169, 427-9	87
1166	Highly repressible expression system for cloning genes that specify potentially toxic proteins. 1987 , 169, 4457-62	47
1165	Nucleotide sequence analysis of Tn4551: use of ermFS operon fusions to detect promoter activity in <i>Bacteroides fragilis</i> . 1987 , 169, 4589-96	57
1164	Organization and codon usage of the streptomycin operon in <i>Micrococcus luteus</i> , a bacterium with a high genomic G + C content. 1987 , 169, 4770-7	87
1163	recA gene of <i>Escherichia coli</i> complements defects in DNA repair and mutagenesis in <i>Streptomyces fradiae</i> JS6 (mcr-6). 1987 , 169, 4834-6	14
1162	Identification of a new insertion element, similar to gram-negative IS26, on the lactose plasmid of <i>Streptococcus lactis</i> ML3. 1987 , 169, 5481-8	106
1161	Sequence analysis of the <i>Escherichia coli</i> dnaE gene. 1987 , 169, 5735-44	73
1160	Differential transcription of the two glutamine synthetase genes of <i>Bradyrhizobium japonicum</i> . 1987 , 169, 5861-6	57
1159	Divergent transcription of the sn-glycerol-3-phosphate active transport (glpT) and anaerobic sn-glycerol-3-phosphate dehydrogenase (glpA glpC glpB) genes of <i>Escherichia coli</i> K-12. 1987 , 169, 526-32	32
1158	In vivo D-serine deaminase transcription start sites in wild-type <i>Escherichia coli</i> and in dsdA promoter mutants. 1987 , 169, 1056-60	8
1157	Molecular cloning of bile acid 7-dehydroxylase from <i>Eubacterium</i> sp. strain VPI 12708. 1987 , 169, 1516-21	19
1156	Cloning and expression in <i>Escherichia coli</i> of three fragments of diphtheria toxin truncated within fragment B. 1987 , 169, 1554-63	19
1155	Molecular cloning of genes encoding branched-chain keto acid dehydrogenase of <i>Pseudomonas putida</i> . 1987 , 169, 1619-25	43
1154	Ferric-coprogen receptor FhuE of <i>Escherichia coli</i> : processing and sequence common to all TonB-dependent outer membrane receptor proteins. 1987 , 169, 2044-9	54
1153	Modulation of cell wall synthesis by DNA replication in <i>Escherichia coli</i> during initiation of cell growth. 1987 , 169, 2410-6	8

1152	Creation of a test plasmid for detecting G-C-to-T-A transversions by changing serine to arginine in the active site of beta-lactamase. 1987 , 169, 2476-81	7
1151	Characterization of the sppA gene coding for protease IV, a signal peptide peptidase of <i>Escherichia coli</i> . 1987 , 169, 2523-8	49
1150	Promoter of the pertussis toxin operon and production of pertussis toxin. 1987 , 169, 2843-6	54
1149	Lysis gene t of T-even bacteriophages: evidence that colicins and bacteriophage genes have common ancestors. 1987 , 169, 2956-61	15
1148	Translational fusion with a secretory enzyme as an indicator. 1987 , 169, 3082-7	37
1147	Influence of the catBCE sequence on the phenotypic reversion of a pcaE mutation in <i>Acinetobacter calcoaceticus</i> . 1987 , 169, 3175-80	18
1146	Nucleotide sequence of the colicin B activity gene cba: consensus pentapeptide among TonB-dependent colicins and receptors. 1987 , 169, 3350-7	153
1145	Primary structure of colicin M, an inhibitor of murein biosynthesis. 1987 , 169, 3358-61	38
1144	Transposition of Tn4551 in <i>Bacteroides fragilis</i> : identification and properties of a new transposon from <i>Bacteroides</i> spp. 1987 , 169, 3450-7	26
1143	Transcriptional regulation of bialaphos biosynthesis in <i>Streptomyces hygroscopicus</i> . 1987 , 169, 3482-8	65
1142	Isolation of DNA encoding sucrase genes from <i>Streptococcus salivarius</i> and partial characterization of the enzymes expressed in <i>Escherichia coli</i> . 1987 , 169, 3679-84	6
1141	Organization of phosphoribulokinase and ribulose bisphosphate carboxylase/oxygenase genes in <i>Rhodospseudomonas (Rhodobacter) sphaeroides</i> . 1987 , 169, 3685-90	51
1140	Translocation of <i>Vibrio harveyi</i> N,N'-diacetylchitobiase to the outer membrane of <i>Escherichia coli</i> . 1987 , 169, 3785-91	35
1139	Cloning of the gene for the larvicidal toxin of <i>Bacillus sphaericus</i> 2362: evidence for a family of related sequences. 1987 , 169, 4061-7	43
1138	Molecular cloning and sequencing of the hemD gene of <i>Escherichia coli</i> K-12 and preliminary data on the Uro operon. 1987 , 169, 4257-62	60
1137	Localization of an abundant myeloid-related sequence. 1987 , 78 Suppl 1, 11-7	2
1136	Molecular characterization of the testis specific c-abl mRNA in mouse.. 1987 , 6, 4041-4048	75
1135	Structure of human alpha 2-plasmin inhibitor deduced from the cDNA sequence. 1987 , 102, 1033-41	31

1134	Gene encoding the 37,000-dalton minor sigma factor of <i>Bacillus subtilis</i> RNA polymerase: isolation, nucleotide sequence, chromosomal locus, and cryptic function. 1987 , 169, 771-8	66
1133	Localization of a genetic region involved in McrB restriction by <i>Escherichia coli</i> K-12. 1987 , 169, 1757-9	26
1132	Cloning of the gene for phosphoribulokinase activity from <i>Rhodobacter sphaeroides</i> and its expression in <i>Escherichia coli</i> . 1987 , 169, 3669-78	41
1131	Structural and transcription analysis of two homologous genes for the P700 chlorophyll a -apoproteins in <i>Chlamydomonas reinhardtii</i> : evidence for in vivo trans -splicing. 1987 , 6, 2185-2195	164
1130	Human CSF-1: gene structure and alternative splicing of mRNA precursors.. 1987 , 6, 2693-2698	159
1129	Cloning and light regulation of expression of the phycocyanin operon of the cyanobacterium <i>Anabaena</i> .. 1987 , 6, 871-884	101
1128	Sequence, expression, and localization of the immunity protein for colicin M. 1987 , 169, 4765-9	25
1127	Molecular cloning and characterization of a <i>Streptococcus sanguis</i> DNase necessary for repair of DNA damage induced by UV light and methyl methanesulfonate. 1987 , 169, 3199-208	4
1126	Purification and characterization of the CheZ protein of bacterial chemotaxis. 1987 , 169, 3301-11	44
1125	Glutamine synthetase genes of pea encode distinct polypeptides which are differentially expressed in leaves, roots and nodules.. 1987 , 6, 1-9	136
1124	Expression of variant von Willebrand factor (vWF) cDNA in heterologous cells: requirement of the pro-polypeptide in vWF multimer formation.. 1987 , 6, 2885-2890	89
1123	Sequence analysis, transcriptional organization, and insertional mutagenesis of the envA gene of <i>Escherichia coli</i> . 1987 , 169, 5408-15	82
1122	Cloning and expression in <i>Escherichia coli</i> of <i>Acinetobacter calcoaceticus</i> genes for benzoate degradation. 1987 , 169, 5496-503	73
1121	Altered transcription of a defective measles virus genome derived from a diseased human brain.. 1987 , 6, 681-688	149
1120	Sequence analysis of the gtfB gene from <i>Streptococcus mutans</i> . 1987 , 169, 4263-70	189
1119	Mutational alterations of translational coupling in the L11 ribosomal protein operon of <i>Escherichia coli</i> . 1987 , 169, 3495-507	36
1118	The yeast homologue of U3 snRNA.. 1987 , 6, 2145-2155	89
1117	Transcriptional regulation of proliferin gene expression in response to serum in transfected mouse cells.. 1987 , 6, 2281-2288	15

1116	Sequence analysis of a cDNA clone encoding the liver cell adhesion molecule, L-CAM. 1987 , 84, 2808-12	148
1115	Cloning, DNA sequence, and expression of the <i>Rhodobacter sphaeroides</i> light-harvesting B800-850-alpha and B800-850-beta genes. 1987 , 169, 3268-75	91
1114	The yeast ubiquitin genes: a family of natural gene fusions.. 1987 , 6, 1429-1439	335
1113	Organization of multispecific DNA methyltransferases encoded by temperate <i>Bacillus subtilis</i> phages.. 1987 , 6, 1137-1142	39
1112	Characterization of cDNA clones for the human c-yes gene. 1987 , 7, 41-7	149
1111	Role of codon choice in the leader region of the <i>ilvGMEDA</i> operon of <i>Serratia marcescens</i> . 1987 , 169, 5668-77	21
1110	Structure and expression of cDNA for an inhibitor of blood coagulation isolated from human placenta: a new lipocortin-like protein. 1987 , 102, 1261-73	127
1109	Double-stranded cleavage of T-DNA and generation of single-stranded T-DNA molecules in <i>Escherichia coli</i> by a <i>virD</i> -encoded border-specific endonuclease from <i>Agrobacterium tumefaciens</i> . 1987 , 169, 5035-45	118
1108	Structure and elicitor or u.v.-light-stimulated expression of two 4-coumarate:CoA ligase genes in parsley. 1987 , 6, 1189-1195	111
1107	Three cDNA clones for barley leaf acyl carrier proteins I and III. 1987 , 52, 381-392	40
1106	Chromatographic separation of DNA restriction fragments. 1987 , 418, 97-114	23
1105	Analysis of molecularly cloned DNA reveals minor differences among three virus strains of Aleutian disease of mink parvovirus. Brief report. 1987 , 92, 175-81	4
1104	High-cell-density fermentation studies of a recombinant <i>E. coli</i> that expresses atrial natriuretic factor. 1987 , 2, 47-52	14
1103	<i>Escherichia coli</i> host G668 stabilizes plasmids that are unstable in other <i>Escherichia coli</i> strains. 1987 , 15, 199-202	1
1102	Evolutionary relationships between catabolic pathways for aromatics: conservation of gene order and nucleotide sequences of catechol oxidation genes of pWW0 and NAH7 plasmids. 1987 , 210, 241-7	89
1101	The ribosomal protein gene cluster of <i>Mycoplasma capricolum</i> . 1987 , 210, 314-22	135
1100	The organization of the <i>fuc</i> regulon specifying L-fucose dissimilation in <i>Escherichia coli</i> K12 as determined by gene cloning. 1987 , 210, 331-7	64
1099	Nucleotide sequence of <i>putC</i> , the regulatory region for the <i>put</i> regulon of <i>Escherichia coli</i> K12. 1987 , 210, 364-8	18

1098	Characterization and sequence determination of the replicator region in the hairy-root-inducing plasmid pRiA 4b. 1987 , 206, 1-8	75
1097	Development of a homologous transformation system for <i>Aspergillus niger</i> based on the pyrG gene. 1987 , 206, 71-5	277
1096	Six chloroplast genes (ndhA-F) homologous to human mitochondrial genes encoding components of the respiratory chain NADH dehydrogenase are actively expressed: determination of the splice sites in ndhA and ndhB pre-mRNAs. 1987 , 210, 385-93	137
1095	Influence of nuclear background on transcription of a maize mitochondrial region associated with Texas male sterile cytoplasm. 1987 , 210, 399-406	46
1094	Cloning of an <i>Arabidopsis thaliana</i> gene encoding 5-enolpyruvylshikimate-3-phosphate synthase: sequence analysis and manipulation to obtain glyphosate-tolerant plants. 1987 , 210, 437-42	136
1093	Molecular cloning of protease gene(s) from <i>Xanthomonas campestris</i> pv. <i>campestris</i> : Expression in <i>Escherichia coli</i> and role in pathogenicity. 1987 , 210, 443-448	67
1092	Cloning and expression in <i>Escherichia coli</i> , <i>Bacillus subtilis</i> , and <i>Streptococcus sanguis</i> of a gene for staphylokinase--a bacterial plasminogen activator. 1987 , 210, 528-34	90
1091	Splitting of the ribosomal RNA operon on chloroplast DNA from <i>Chlorella ellipsoidea</i> . 1987 , 208, 377-383	20
1090	Cloning and expression of 130-kd mosquito-larvicidal delta-endotoxin gene of <i>Bacillus thuringiensis</i> var. <i>israelensis</i> in <i>Escherichia coli</i> . 1987 , 208, 384-9	50
1089	The sequence and function of the recA gene and its protein in <i>Pseudomonas aeruginosa</i> PAO. 1987 , 208, 412-9	63
1088	Cloning and nucleotide sequence of the gene for an archaeobacterial protein synthesis elongation factor Tu. 1987 , 208, 523-528	53
1087	Molecular cloning and physical characterization of a Brassica linear mitochondrial plasmid. 1987 , 209, 227-33	28
1086	The structure and light-dependent transient expression of a nuclear-encoded chloroplast protein gene from pea (<i>Pisum sativum</i> L.). 1987 , 209, 234-9	47
1085	Sequence analysis of the <i>Brevibacterium lactofermentum</i> trp operon. 1987 , 209, 299-305	10
1084	Effect of precisely identified mutations in the spoIIAC gene of <i>Bacillus subtilis</i> on the toxicity of the sigma-like gene product to <i>Escherichia coli</i> . 1987 , 209, 333-4	5
1083	The effect of restriction on shotgun cloning and plasmid stability in <i>Bacillus subtilis</i> Marburg. 1987 , 209, 335-42	168
1082	A novel wheat alpha-amylase gene (alpha-Amy3). 1987 , 209, 33-40	76
1081	Molecular characterization of tomato fruit polygalacturonase. 1987 , 208, 30-36	79

1080	Nucleotide sequence of putP, the proline carrier gene of Escherichia coli K12. 1987 , 208, 70-5	106
1079	The unusual translational initiation codon AUU limits the expression of the infC (initiation factor IF3) gene of Escherichia coli. 1987 , 208, 94-100	47
1078	Characterisation of the hydroxystreptomycin phosphotransferase gene (sph) of Streptomyces glaucescens: nucleotide sequence and promoter analysis. 1987 , 208, 195-203	75
1077	Cloning and nucleotide sequencing of the genes rimI and rimJ which encode enzymes acetylating ribosomal proteins S18 and S5 of Escherichia coli K12. 1987 , 209, 481-8	119
1076	Nucleotide sequences from the colicin E8 operon: homology with plasmid ColE2-P9. 1987 , 209, 489-93	27
1075	Cloning of DNA fragments complementary to tobacco nitrate reductase mRNA and encoding epitopes common to the nitrate reductases from higher plants. 1987 , 209, 552-62	106
1074	The molecular organization of the lysostaphin gene and its sequences repeated in tandem. 1987 , 209, 563-9	67
1073	Insertion of short poly d(A) d(T) sequences at recombination junctions in mitochondrial DNA of Podospora. 1987 , 209, 630-2	12
1072	Structural and transcriptional analysis of DNA sequences flanking genes that encode 19 kilodalton zeins. 1987 , 207, 90-8	47
1071	Nuclear and mitochondrial revertants of a mitochondrial mutant with a defect in the ATP synthetase complex. 1987 , 207, 106-13	8
1070	Promoter switching during development and the termination site of the sigma 43 operon of Bacillus subtilis. 1987 , 207, 114-9	61
1069	The expression of a chimeric soybean beta-tubulin gene in tobacco. 1987 , 207, 328-334	11
1068	Cloning of seven differently complementing DNA fragments with chl functions from Escherichia coli K12. 1987 , 206, 352-5	25
1067	Chromogenic identification of promoters in Streptomyces lividans by using an ampC beta-lactamase promoter-probe vector. 1987 , 210, 23-32	25
1066	Cloning and DNA sequence determination of the L11 ribosomal protein operon of Serratia marcescens and Proteus vulgaris: translational feedback regulation of the Escherichia coli L11 operon by heterologous L1 proteins. 1987 , 210, 52-9	32
1065	Overproduction of an antisense RNA containing the oop RNA sequence of bacteriophage lambda induces clear plaque formation. 1987 , 210, 184-6	13
1064	The chloroplast tRNA ^{Lys} (UUU) gene from mustard (Sinapis alba) contains a class II intron potentially coding for a maturase-related polypeptide. 1987 , 11, 251-7	159
1063	Nucleotide sequence and molecular characterization of a maize mitochondrial plasmid-like DNA. 1987 , 12, 617-23	32

1062	Restriction site map of the Chlorella virus PBCV-1 genome. 1987 , 9, 247-57	24
1061	An intron in the 23S rRNA gene of the Chlorella chloroplasts: complete nucleotide sequence of the 23S rRNA gene. 1987 , 11, 347-52	20
1060	Yeast centromere sequences do not confer mitotic stability on circular plasmids containing ARS elements of Tetrahymena thermophila rDNA. 1987 , 11, 353-7	1
1059	Structure of the cloned Locusta migratoria mitochondrial genome: restriction mapping and sequence of its ND-1 (URF-1) gene. 1987 , 11, 625-30	23
1058	The gene for the large (16S) ribosomal RNA from the Locusta migratoria mitochondrial genome. 1987 , 11, 631-8	32
1057	The cytochrome oxidase subunit I gene of Tetrahymena: a 57 amino acid NH ₂ -terminal extension and a 108 amino acid insert. 1987 , 12, 357-68	28
1056	Homology in the region containing a tRNA(Trp) gene and a (complete or partial) tRNA(Pro) gene in wheat mitochondrial and chloroplast genomes. 1987 , 12, 91-8	60
1055	Construction of brewer's yeasts secreting fungal endo-β-glucanase. 1987 , 12, 413-420	56
1054	Characterization of the gene urf13-T and an unidentified reading frame, ORF 25, in maize and tobacco mitochondria. 1987 , 12, 457-63	41
1053	Regeneration of horseradish hairy roots incited by Agrobacterium rhizogenes infection. 1987 , 6, 283-6	81
1052	Construction of a human ventricular cDNA library and characterization of a beta myosin heavy chain cDNA clone. 1987 , 76, 47-53	14
1051	The 5' flanking DNA of a patatin gene directs tuber specific expression of a chimaeric gene in potato. 1987 , 9, 345-75	35
1050	The isolation, characterization and sequence of two divergent β-tubulin genes from soybean (Glycine max L.). 1987 , 10, 171-84	49
1049	Interspecies homology of nodulation genes in Rhizobium. 1987 , 8, 61-75	31
1048	Functional analysis of the Agrobacterium tumefaciens octopine Ti-plasmid left and right T-region border fragments. 1987 , 8, 95-104	24
1047	Promoters in the nodulation region of the Rhizobium leguminosarum Sym plasmid pRL1J1. 1987 , 9, 27-39	580
1046	Sequencing and modification of psbB, the gene encoding the CP-47 protein of Photosystem II, in the cyanobacterium Synechocystis 6803. 1987 , 8, 317-26	113
1045	Expression of two Trichoderma reesei endoglucanases in the yeast Saccharomyces cerevisiae. 1987 , 3, 175-85	117

1044	A cluster of rabbit T-cell beta-chain variable region genes. 1987 , 25, 55-62	11
1043	Current approaches to DNA sequencing. 1987 , 163, 1-8	13
1042	Construction of cDNA libraries by blunt-end ligation: high-frequency cloning of long cDNAs from filamentous fungi. 1987 , 164, 60-7	47
1041	DNA sequence of <i>Crithidia fasciculata</i> kinetoplast minicircles. 1987 , 23, 253-63	41
1040	Detection of <i>Plasmodium falciparum</i> DNA using repetitive DNA clones as species specific probes. 1987 , 22, 145-51	32
1039	A mutant pyruvate dehydrogenase complex of <i>Escherichia coli</i> deleted in the (alanine + proline)-rich region of the acetyltransferase component. 1987 , 913, 117-21	15
1038	Site-directed mutagenesis to determine essential residues of ribulose-bisphosphate carboxylase of <i>Rhodospirillum rubrum</i> . 1987 , 11, 203-214	1
1037	Human interstitial retinol-binding protein (IRBP): cloning, partial sequence, and chromosomal localization. 1987 , 13, 315-23	36
1036	Histochemical staining of clonal mammalian cell lines expressing <i>E. coli</i> beta galactosidase indicates heterogeneous expression of the bacterial gene. 1987 , 13, 253-65	211
1035	Effective gene expression in <i>Pseudomonas aeruginosa</i> under the control of the <i>Escherichia coli</i> consensus promoter. 1987 , 42, 163-167	13
1034	Direct selection of recombinant plasmids with chlorate. 1987 , 43, 201-205	2
1033	<i>Azospirillum</i> DNA shows homology with <i>Agrobacterium</i> chromosomal virulence genes. 1987 , 43, 241-246	25
1032	Nucleotide sequence and distribution of gene encoding tetracycline resistance in <i>Campylobacter coli</i> . 1987 , 44, 153-159	101
1031	Characterization of DNA restriction and modification activities in <i>Neisseria</i> species. 1987 , 44, 389-393	12
1030	Tandem location of the cellulase genes on the chromosome of <i>Bacillus</i> sp. strain N-4. 1987 , 48, 65-68	15
1029	Gene transfer and molecular cloning of the rat nerve growth factor receptor. 1987 , 325, 593-7	881
1028	Human testis-specific PGK gene lacks introns and possesses characteristics of a processed gene. 1987 , 326, 501-5	436
1027	Effect of non-contacted bases on the affinity of 434 operator for 434 repressor and Cro. 1987 , 326, 886-8	214

1026	cDNA cloning of bovine substance-K receptor through oocyte expression system. 1987 , 329, 836-8	728
1025	Analysis of the <i>Klebsiella pneumoniae</i> ntrB gene by site-directed in vitro mutagenesis. 1987 , 1, 133-42	14
1024	Cloning and nucleotide sequence of the thrB gene from the cyanobacterium <i>Calothrix</i> PCC 7601. 1987 , 1, 45-52	14
1023	Characterization of the toxicity and cytopathic specificity of a cloned <i>Bacillus thuringiensis</i> crystal protein using insect cell culture. 1987 , 1, 59-66	32
1022	DNA sequence analysis of three missense mutations affecting colicin E3 bactericidal activity. 1987 , 1, 82-5	26
1021	Nucleotide sequence and transcriptional startpoint of the glpT gene of <i>Escherichia coli</i> : extensive sequence homology of the glycerol-3-phosphate transport protein with components of the hexose-6-phosphate transport system. 1987 , 1, 251-8	68
1020	Evolutionary relationships in the genus <i>Bordetella</i> . 1987 , 1, 301-8	75
1019	Nucleotide sequence of the virG locus of the <i>Agrobacterium tumefaciens</i> plasmid pTiC58. 1987 , 1, 309-16	37
1018	Rapid Detection of Potato Spindle Tuber Viroid (PSTV) by Dot Blot Hybridization. 1987 , 118, 171-180	13
1017	cDNA cloning, sequencing and chromosome mapping of a non-erythroid spectrin, human alpha-fodrin. 1987 , 34, 68-78	62
1016	Subunit II of yeast QH2:cytochrome-c oxidoreductase. Nucleotide sequence of the gene and features of the protein. 1987 , 163, 97-103	74
1015	Molecular cloning and sequencing of a cDNA encoding the acyl carrier protein and its flanking domains in the mammalian fatty acid synthetase. 1987 , 165, 601-6	17
1014	EcoR124 and EcoR124/3: the first members of a new family of type I restriction and modification systems. 1987 , 167, 111-5	33
1013	Phenylalanine dehydrogenase of <i>Bacillus badius</i> . Purification, characterization and gene cloning. 1987 , 168, 153-9	53
1012	Primary and quaternary structure of the catabolic ornithine carbamoyltransferase from <i>Pseudomonas aeruginosa</i> . Extensive sequence homology with the anabolic ornithine carbamoyltransferases of <i>Escherichia coli</i> . 1987 , 166, 111-7	41
1011	Molecular cloning and sequence determination of the tuf gene coding for the elongation factor Tu of <i>Thermus thermophilus</i> HB8. 1987 , 170, 93-8	62
1010	Nucleotide sequence and linkage map position of the genes for ribosomal proteins L14 and S8 in the maize chloroplast genome. 1988 , 170, 507-14	22
1009	cDNAs for canavalin and concanavalin A from <i>Canavalia gladiata</i> seeds. Nucleotide sequence of cDNA for canavalin and RNA blot analysis of canavalin and concanavalin A mRNAs in developing seeds. 1988 , 170, 515-20	19

1008	Role of tyrosine-80 in the stability of kanamycin nucleotidyltransferase analyzed by site-directed mutagenesis. 1988 , 171, 715-20	20
1007	Human basement membrane collagen (type IV). The amino acid sequence of the alpha 2(IV) chain and its comparison with the alpha 1(IV) chain reveals deletions in the alpha 1(IV) chain. 1988 , 172, 35-42	86
1006	Comparison of the in vivo and in vitro activity of the delta-endotoxin of <i>Bacillus thuringiensis</i> var. <i>morrisoni</i> (HD-12) and two of its constituent proteins after cloning and expression in <i>Escherichia coli</i> . 1988 , 172, 731-8	8
1005	Yeast ubiquinol: cytochrome c oxidoreductase is still active after inactivation of the gene encoding the 17-kDa subunit VI. 1988 , 173, 115-22	45
1004	Reprogrammed expression of subunit 9 of the mitochondrial ATPase complex of <i>Saccharomyces cerevisiae</i> . Expression in vitro from a chemically synthesized gene and import into isolated mitochondria. 1988 , 173, 131-7	29
1003	Nucleotide sequence of cDNA and predicted amino acid sequence of rat liver uricase. 1988 , 173, 459-63	18
1002	Transcriptional regulation of genes for plant-type ribulose-1,5-bisphosphate carboxylase/oxygenase in the photosynthetic bacterium, <i>Chromatium vinosum</i> . 1988 , 173, 483-9	15
1001	The herpes simplex virus type I DNA polymerase. Polypeptide structure and antigenic domains. 1988 , 174, 707-16	24
1000	Nucleotide sequence and expression in <i>Escherichia coli</i> of the gene coding for sphingomyelinase of <i>Bacillus cereus</i> . 1988 , 175, 213-20	59
999	Comparison of the amino acid sequences of the transacylase components of branched chain oxoacid dehydrogenase of <i>Pseudomonas putida</i> , and the pyruvate and 2-oxoglutarate dehydrogenases of <i>Escherichia coli</i> . 1988 , 176, 165-9	37
998	Similarity of the E1 subunits of branched-chain-oxoacid dehydrogenase from <i>Pseudomonas putida</i> to the corresponding subunits of mammalian branched-chain-oxoacid and pyruvate dehydrogenases. 1988 , 176, 311-7	36
997	Structural study of long arm fragments of laminin. Evidence for repetitive C-terminal sequences in the A-chain, not present in the B-chains. 1988 , 177, 35-45	75
996	Photoaffinity labeling of the allosteric AMP site of biodegradative threonine dehydratase of <i>Escherichia coli</i> with 8-azido-AMP. 1988 , 177, 569-74	6
995	Structural and functional characterization of mutants of recombinant single-chain urokinase-type plasminogen activator obtained by site-specific mutagenesis of Lys158, Ile159 and Ile160. 1988 , 177, 575-82	10
994	Probing the active site of flavocytochrome b2 by site-directed mutagenesis. 1988 , 178, 329-33	40
993	Molecular cloning of a gene coding for thermostable beta-glucanase from <i>Bacillus macerans</i> . 1988 , 28, 1-10	21
992	Expression of the human interferon-alpha 1 gene under transcriptional and translational control of the <i>speA</i> gene. 1988 , 28, 55-61	5
991	Release of periplasmic enzymes and other physiological effects of beta-lactamase overproduction in <i>Escherichia coli</i> . 1988 , 32, 741-8	71

990	Transformation of bacteria with plasmid DNA by electroporation. 1988 , 170, 38-44	147
989	A DNA sequencing strategy. 1988 , 175, 521-4	9
988	Characterization of a new human papillomavirus (HPV 41) from disseminated warts and detection of its DNA in some skin carcinomas. 1988 , 41, 5-9	51
987	Amplification of endogenous proviral MuLV sequences in radiation-induced osteosarcomas. 1988 , 41, 616-21	16
986	Actin-binding proteins are conserved from slime molds to man. 1988 , 9, 521-30	36
985	Structure and expression of lck transcripts in human lymphoid cells. 1988 , 38, 117-26	100
984	DNA polymorphism haplotypes of the human apolipoprotein APOA1-APOC3-APOA4 gene cluster. 1988 , 80, 265-73	65
983	Structural organization of the human ornithine transcarbamylase gene. 1988 , 11, 337-40	5
982	Construction of transposons encoding genes for α -glucosidase, amylase and polygalacturonatetrans-eliminase from <i>Klebsiella oxytoca</i> and their expression in a range of gram-negative bacteria. 1988 , 17, 69-75	7
981	Synonymous nucleotide substitution rates of beta-tubulin and histone genes conform to high overall genomic rates in rodents but not in sea urchins. 1988 , 27, 56-64	12
980	cDNA and deduced amino acid sequences of cytochrome c from <i>Chlamydomonas reinhardtii</i> : unexpected functional and phylogenetic implications. 1988 , 28, 151-60	27
979	Human immunoglobulin D segments: isolation of a new D segment and polymorphic deletion of the D1 segment. 1988 , 17, 329-33	29
978	An efficiently mutagenizable recombinant plasmid for in vitro transcription of the <i>Escherichia coli</i> 16 S RNA gene. 1988 , 175, 373-85	17
977	Stable-light producing <i>Escherichia coli</i> . 1988 , 10, 383-388	11
976	Agroinfection and nucleotide sequence of cloned wheat dwarf virus DNA. 1988 , 11, 35-43	52
975	Detection of a non-structural protein of M r 11 000 encoded by the virion DNA of maize streak virus. 1988 , 11, 57-66	30
974	Four genes in two diverged subfamilies encode the ribulose-1,5-bisphosphate carboxylase small subunit polypeptides of <i>Arabidopsis thaliana</i> . 1988 , 11, 745-59	130
973	Function of heterologous and pseudo border repeats in T region transfer via the octopine virulence system of <i>Agrobacterium tumefaciens</i> . 1988 , 11, 773-81	19

972	Cassava latent virus infections mediated by the Ti plasmid of <i>Agrobacterium tumefaciens</i> containing either monomeric or dimeric viral DNA. 1988 , 11, 795-803	14
971	Multiple sequence rearrangements accompanying the duplication of a tRNA(Pro) gene in wheat mitochondrial DNA. 1988 , 11, 833-43	25
970	Genes for tRNA(Asp), tRNA (Pro), tRNA (Tyr) and two tRNAs (Ser) in wheat mitochondrial DNA. 1988 , 10, 251-62	47
969	Nucleotide sequence of psbC, the gene encoding the CP-43 chlorophyll a-binding protein of Photosystem II, in the cyanobacterium <i>Synechocystis</i> 6803. 1988 , 10, 293-301	48
968	Plant phosphoglucose isomerase genes lack introns and are expressed in <i>Escherichia coli</i> . 1988 , 11, 381-8	14
967	Genes coding for the major tuberous root protein of sweet potato: Identification of putative regulatory sequence in the 5' upstream region. 1988 , 11, 417-26	33
966	A Hordein gene. 1988 , 11, 449-61	38
965	Genetic analysis of two new mutations resulting in herbicide resistance in the cyanobacterium <i>Synechococcus</i> sp. PCC 7002. 1988 , 16, 83-99	47
964	Reaction centers from three herbicide-resistant mutants of <i>Rhodobacter sphaeroides</i> 2.4.1: sequence analysis and preliminary characterization. 1988 , 17, 75-96	83
963	Nucleotide sequence of the cybB gene encoding cytochrome b561 in <i>Escherichia coli</i> K12. 1988 , 212, 1-5	13
962	The chloroplast genomes of conifers lack one of the rRNA-encoding inverted repeats. 1988 , 212, 6-10	38
961	Two alleles of the single-copy chalcone synthase gene in parsley differ by a transposon-like element. 1988 , 212, 93-8	96
960	The bacteriophage lambda cohesive end site: isolation of spacing/substitution mutations that result in dependence on <i>Escherichia coli</i> integration host factor. 1988 , 212, 157-65	33
959	Mapping of the multiple regulatory sites for putP and putA expression in the putC region of <i>Escherichia coli</i> . 1988 , 214, 379-88	9
958	A cloned I-factor is fully functional in <i>Drosophila melanogaster</i> . 1988 , 214, 533-40	51
957	Cloning and comparative sequence analysis of the gene coding for isopenicillin N synthase in <i>Streptomyces</i> . 1988 , 214, 562-9	42
956	Transformation with a mutant <i>Arabidopsis</i> acetolactate synthase gene renders tobacco resistant to sulfonylurea herbicides. 1988 , 211, 266-271	236
955	DNA sequence analysis of a PR-1a gene from tobacco: Molecular relationship of heat shock and pathogen responses in plants. 1988 , 211, 290-295	33

954	An Escherichia coli gene in search of a function. 1988 , 211, 326-31	8
953	Extrachromosomal mutants from Podospora anserina: Permanent vegetative growth in spite of multiple recombination events in the mitochondrial genome. 1988 , 211, 342-349	51
952	An RFLP adjacent to the maize waxy gene has the structure of a transposable element. 1988 , 211, 364-6	11
951	Molecular cloning of the o2-m5 allele of Zea mays using transposon marking. 1988 , 212, 488-494	63
950	Expression of bacterial chitinase protein in tobacco leaves using two photosynthetic gene promoters. 1988 , 212, 536-542	47
949	Complex structure of the ribosomal DNA spacer of Cucumis sativus (cucumber). 1988 , 212, 548-54	28
948	Structure and function of Y chromosomal DNA. I. Sequence organization and localization of four families of repetitive DNA on the Y chromosome of Drosophila hydei. 1988 , 96, 145-58	32
947	Evidence for a Micrococcus luteus gene homologous to uvrB of Escherichia coli. 1988 , 213, 21-9	26
946	DNA sequence analysis of point mutations in traA, the F pilin gene, reveal two domains involved in F-specific bacteriophage attachment. 1988 , 213, 134-9	21
945	Tripartite streptokinase gene fusion vectors for gram-positive and gram-negative procaryotes. 1988 , 212, 295-300	23
944	Yeast ARS function and nuclear matrix association coincide in a short sequence from the human HPRT locus. 1988 , 212, 301-9	58
943	Five genetic loci involved in the synthesis of acidic exopolysaccharides are closely linked in the genome of Rhizobium sp strain NGR234. 1988 , 212, 310-316	23
942	Structural diversity of the patatin gene family in potato cv. Desiree. 1988 , 212, 325-36	59
941	Plasmids with the uidA reporter gene for the detection of promoters and transcription signals. 1988 , 212, 390-2	16
940	Primary structure and promoter analysis of leghemoglobin genes of the stem-nodulated tropical legume Sesbania rostrata: conserved coding sequences, cis-elements and trans-acting factors. 1988 , 214, 181-91	56
939	A nuclear gene essential for mitochondrial replication suppresses a defect of mitochondrial transcription in Saccharomyces cerevisiae. 1988 , 214, 218-23	82
938	Random cloning of bent DNA segments from Saccharomyces cerevisiae and primary characterization of their structures. 1988 , 214, 249-56	5
937	Yeast nuclear gene CBS2, required for translational activation of cytochrome b, encodes a basic protein of 45 kDa. 1988 , 214, 263-70	13

936	Molecular cloning and nucleotide sequence analysis of the gene coding for heterocyst ferredoxin from the cyanobacterium <i>Anabaena</i> sp. strain PCC 7120. 1988 , 214, 278-85	91
935	"Strong incompatibility" between derivatives of the <i>Streptomyces</i> multi-copy plasmid pIJ101. 1988 , 214, 286-94	50
934	Cloning of two chloramphenicol acetyltransferase genes from <i>Clostridium butyricum</i> and their expression in <i>Escherichia coli</i> and <i>Bacillus subtilis</i> . 1988 , 214, 328-32	10
933	Nucleotide sequence and structural analysis of the <i>zeste</i> locus of <i>Drosophila melanogaster</i> . 1988 , 211, 121-8	22
932	Sequence, expression and localization of the immunity protein for colicin B. 1988 , 211, 176-82	31
931	Site-specific recombination promotes linkage between trimethoprim- and sulfonamide resistance genes. Sequence characterization of <i>dhfrV</i> and <i>sull</i> and a recombination active locus of Tn21. 1988 , 213, 191-201	190
930	Organization and characterization of the <i>virCD</i> genes from <i>Agrobacterium rhizogenes</i> . 1988 , 213, 229-37	37
929	Conservation of <i>nif</i> sequences in <i>Frankia</i> . 1988 , 213, 238-46	75
928	The repressor gene (<i>c</i>) of the <i>Streptomyces temperate</i> phage phi c31: nucleotide sequence, analysis and functional cloning. 1988 , 213, 269-77	34
927	Characterization of a polyubiquitin gene from <i>Arabidopsis thaliana</i> . 1988 , 213, 435-43	97
926	Polarity of DNA entry in transformation of <i>Streptococcus pneumoniae</i> . 1988 , 213, 444-8	38
925	Deletions/insertions, short inverted repeats, sequences resembling att-lambda, and frame shift mutated open reading frames are involved in chloroplast DNA differences in the genus <i>Oenothera</i> subsection <i>Munzia</i> . 1988 , 213, 513-8	23
924	Integration and expression of 3'-truncated derivatives of the <i>Neurospora crassa</i> <i>cyt-21+</i> gene, encoding a mitochondrial ribosomal protein, in <i>Neurospora</i> transformants. 1988 , 213, 519-528	1
923	Formation of deletion in <i>Escherichia coli</i> between direct repeats located in the long inverted repeats of a cellular slime mold plasmid: participation of DNA gyrase. 1988 , 214, 1-5	15
922	Cloning and sequencing of the genes encoding the large and the small subunits of the H ₂ uptake hydrogenase (<i>hup</i>) of <i>Rhodobacter capsulatus</i> . 1988 , 214, 97-107	100
921	Chromosomally and plasmid-encoded gene clusters for CO ₂ fixation (<i>cfx</i> genes) in <i>Alcaligenes eutrophus</i> . 1988 , 214, 112-120	43
920	Characterization of the gene for the Fe-protein of the vanadium dependent alternative nitrogenase of <i>Azotobacter vinelandii</i> and construction of a Tn5 mutant. 1988 , 214, 121-7	39
919	A mouse T lymphoma that lacks T-cell receptor surface expression exhibits allelic exclusion of its beta chain genes. 1988 , 28, 136-8	3

918	Nucleotide sequence of the <i>Aspergillus niger</i> trpC gene: structural relationship with analogous genes of other organisms. 1988 , 13, 137-44	22
917	Genetic transformation of the fungal plant wilt pathogen, <i>Fusarium oxysporum</i> . 1988 , 13, 145-149	99
916	Chloroplast DNA differences in the genus <i>Oenothera</i> subsection <i>Munzia</i> : a short direct repeat resembling the lambda chromosomal attachment site occurs as a deletion/insertion within an intron of an NADH-dehydrogenase gene. 1988 , 13, 191-7	8
915	Both alpha-tubulin genes are transcriptionally active in <i>Stylonychia lemnae</i> . 1988 , 13, 425-32	32
914	A colony procedure for transformation of <i>Saccharomyces cerevisiae</i> . 1988 , 13, 21-3	72
913	Chimeric organization of two genes for the soybean mitochondrial ATPase subunit 6. 1988 , 13, 83-9	41
912	Plasmid pMTL153: a high copy number version of pAT153 and its use to obtain high expression of the <i>Pseudomonas</i> carboxypeptidase G2 gene. 1988 , 29, 572-578	5
911	Species-specific DNA sequences for identification of somatic hybrids between <i>Lycopersicon esculentum</i> and <i>Solanum acaule</i> . 1988 , 75, 679-684	94
910	DNA mediated transformation of <i>Aspergillus ficuum</i> . 1988 , 28, 451-454	11
909	Different mitochondrial gene orders among insects: exchanged tRNA gene positions in the COII/COIII region between an orthopteran and a dipteran species. 1988 , 14, 471-6	24
908	Differences in the regulation of aldehyde dehydrogenase genes in <i>Aspergillus niger</i> and <i>Aspergillus nidulans</i> . 1988 , 14, 95-103	13
907	Mouse immunoglobulin allotypes: multiple differences between the nucleic acid sequences of the IgEa and IgEb alleles. 1988 , 27, 288-92	13
906	Nucleotide sequence of the <i>Physarum polycephalum</i> small subunit ribosomal RNA as inferred from the gene sequence: secondary structure and evolutionary implications. 1988 , 14, 265-73	54
905	Presence of a chloroplast-like elongator tRNAMet gene in the mitochondrial genomes of soybean and <i>Arabidopsis thaliana</i> . 1988 , 13, 255-60	18
904	The oliC3 gene of <i>Aspergillus niger</i> : isolation, sequence and use as a selectable marker for transformation. 1988 , 14, 37-42	34
903	Molecular cloning of genes expressed specifically during induction of cell wall degrading enzymes from <i>Sclerotinia sclerotiorum</i> and preliminary identification of a fungal beta-galactosidase encoding gene by expression in <i>Escherichia coli</i> . 1988 , 14, 91-93	9
902	Catabolic instability, plasmid gene deletion and recombination in <i>Alcaligenes</i> sp. BR60. 1988 , 150, 237-43	55
901	The 5'-upstream region of the yeast 25S rRNA gene contains a promoter element allowing expression in yeast and <i>E. coli</i> . 1988 , 14, 293-302	6

900	Plasmid associations with residual nuclear structures in <i>Saccharomyces cerevisiae</i> . 1988 , 13, 291-7	5
899	Mutation and cloning of clustered <i>Streptomyces</i> genes essential for sulphate metabolism. 1988 , 211, 415-423	18
898	DNA sequence of the gene <i>scrA</i> encoding the sucrose transport protein Enzymell of the phosphotransferase system from enteric bacteria: homology of the Enzymell and Enzymell proteins. 1988 , 2, 9-17	62
897	Organization and regulation of the <i>Corynebacterium glutamicum</i> <i>hom-thrB</i> and <i>thrC</i> loci. 1988 , 2, 53-62	55
896	A replication region of the IncHI plasmid, R27, is highly homologous with the RepFIA replicon of F. 1988 , 2, 219-25	15
895	Cloned structural genes for the osmotically regulated binding-protein-dependent glycine betaine transport system (ProU) of <i>Escherichia coli</i> K-12. 1988 , 2, 265-79	47
894	Expression of a biologically active diphtheria toxin fragment B in <i>Escherichia coli</i> . 1988 , 2, 339-46	10
893	Cloning and characterization of an albicidin resistance gene from <i>Klebsiella oxytoca</i> . 1988 , 2, 443-54	42
892	Nucleotide sequence and transcriptional analysis of the <i>aerCaerA</i> region of <i>Aeromonas sobria</i> encoding aerolysin and its regulatory region. 1988 , 2, 507-17	49
891	The protein encoded by <i>gvpC</i> is a minor component of gas vesicles isolated from the cyanobacteria <i>Anabaena flos-aquae</i> and <i>Microcystis</i> sp. 1988 , 2, 545-52	56
890	Mapping and characterization of mutants of the <i>Escherichia coli</i> cell division gene, <i>ftsA</i> . 1988 , 2, 581-8	18
889	High-level expression and epitope localization of the major outer membrane protein of <i>Chlamydia trachomatis</i> serovar L1. 1988 , 2, 681-5	16
888	Phylogeny of metabolic pathways: O-acetylserine sulphydrylase A is homologous to the tryptophan synthase beta subunit. 1988 , 2, 777-83	42
887	Nucleotide sequence and chromosomal mapping of the human <i>c-yes-2</i> gene. 1988 , 79, 710-7	8
886	Presentation of an Antigenic Determinant from Hen Egg-White Lysozyme on the Flagellar Filament of <i>Escherichia Coli</i> . 1988 , 6, 1080-1083	19
885	Trends in the Development of Baculovirus Expression Vectors. 1988 , 6, 47-55	519
884	Characterization of the Coleopteran-specific Protein Gene of <i>Bacillus thuringiensis</i> Var. <i>tenebrionis</i> . 1988 , 6, 61-66	45
883	Assessment of the toxicity of the cloned 27 kDa toxin of <i>Bacillus thuringiensis</i> var. <i>morrisoni</i> strain PG14. 1988 , 52, 29-32	3

882	Cloning in <i>Bacillus subtilis</i> of temperature-dependent promoter fragments from <i>Bacillus stearothermophilus</i> and <i>Bacillus subtilis</i> . 1988 , 52, 103-107	4
881	The outer membrane permeability mutation of the virulence-associated plasmid of <i>Salmonella typhimurium</i> is located in a <i>trpA</i> -like gene. 1988 , 52, 145-153	18
880	Expression of heterologous genes in <i>Pseudomonas putida</i> under the control of streptococcal promoters. 1988 , 52, 275-278	2
879	Expression of the plasmid-encoded phosphoribulokinase gene from <i>Alcaligenes eutrophus</i> . 1988 , 49, 1-6	38
878	DNA sequence of haemolysin genes from <i>Citrobacter freundii</i> . 1988 , 49, 131-135	
877	Leakage of <i>Cellulomonas fimicellulases</i> from <i>Escherichia coli</i> . 1988 , 49, 279-283	33
876	Cloning and sequencing of genes encoding the beta subunits of the ATP-synthases from <i>Enterobacter aerogenes</i> and <i>Flavobacterium ferrugineum</i> . 1988 , 50, 101-106	11
875	A DNA invertase from <i>Staphylococcus aureus</i> a member of the Hin family of site-specific recombinases. 1988 , 50, 253-258	9
874	A plasmid vector for the selection and study of transcription promoters in <i>Azospirillum brasilense</i> . 1988 , 50, 271-276	16
873	An <i>Escherichia coli</i> enterobactin cluster gene with sequence homology to <i>trpE</i> and <i>pabB</i> . 1988 , 56, 35-40	27
872	Nucleotide and deduced amino acid sequence of the <i>Rhodobacter sphaeroides</i> gene encoding form II ribulose-1,5-bisphosphate carboxylase/oxygenase and comparison with other deduced form I and II sequences. 1988 , 55, 217-222	30
871	Homology of perforin to the ninth component of complement (C9). 1988 , 334, 525-7	222
870	Restoration of excitation-contraction coupling and slow calcium current in dysgenic muscle by dihydropyridine receptor complementary DNA. 1988 , 336, 134-9	717
869	Predicted amino acid sequence of bovine tyrosine hydroxylase and its similarity to tyrosine hydroxylases from other species. 1988 , 51, 572-8	19
868	Mapping and characterization of mutations induced by benzo[a]pyrene diol epoxide at dihydrofolate reductase locus in CHO cells. 1988 , 14, 169-83	30
867	Phleomycin resistance as a dominant selectable marker in CHO cells. 1988 , 14, 243-52	59
866	Characterization of single-copy probe from vicinity of centromere of human chromosome 1. 1988 , 14, 381-91	2
865	Signals important for high-level expression of foreign genes in <i>Autographa californica</i> nuclear polyhedrosis virus expression vectors. 1988 , 167, 56-71	185

864	Identification and comparison of <i>Campoletis sonorensis</i> virus transcripts expressed from four genomic segments in the insect hosts <i>Campoletis sonorensis</i> and <i>Heliothis virescens</i> . 1988 , 167, 329-341	1
863	Molecular cloning, complete nucleotide sequence, and gene structure of the provirus genome of a retrovirus produced in a human lymphoblastoid cell line. 1988 , 167, 468-476	21
862	Identification and characterization of the repetitive DNA element in the genome of insect iridescent virus type 6. 1988 , 167, 485-496	15
861	DNA nucleotide sequence analysis of the PvuII DNA fragment L of the genome of insect iridescent virus type 6 reveals a complex cluster of multiple tandem, overlapping, and interdigitated repetitive DNA elements. 1988 , 167, 497-506	20
860	Canine host range and a specific epitope map along with variant sequences in the capsid protein gene of canine parvovirus and related feline, mink, and raccoon parvoviruses. 1988 , 166, 293-307	128
859	Cloning and transcriptional analysis of a variant surface glycoprotein gene expression site in <i>Trypanosoma brucei</i> . 1988 , 28, 197-206	19
858	Molecular cloning and partial characterization of ribosomal RNA genes from <i>Trypanosoma cruzi</i> . 1988 , 27, 275-9	38
857	Nucleotide sequence and deduced amino acid sequence of a <i>Plasmodium falciparum</i> actin gene. 1988 , 27, 313-20	48
856	Extremely diverged actin proteins in <i>Plasmodium falciparum</i> . 1988 , 30, 143-53	65
855	An epitope recognised by inhibitory monoclonal antibodies that react with a 51 kilodalton merozoite surface antigen in <i>Plasmodium falciparum</i> . 1988 , 28, 1-10	107
854	Antigenic variation of a cysteine-rich protein in <i>Giardia lamblia</i> . 1988 , 167, 109-18	127
853	cDNA cloning and primary structure of yellow tail (<i>Seriola quinqueradiata</i>) pregrowth hormone. 1988 , 70, 401-6	46
852	Nucleotide sequence of the <i>rci</i> gene encoding shufflon-specific DNA recombinase in the Inc11 plasmid R64: homology to the site-specific recombinases of integrase family. 1988 , 213, 30-5	41
851	Single-strand DNA cleavages by eukaryotic topoisomerase II. 1988 , 27, 8369-79	83
850	Structure and chromosomal localization of the human renal kallikrein gene. 1988 , 27, 3124-9	117
849	Phenotypic and genetic characterization of cytochrome c2 deficient mutants of <i>Rhodobacter sphaeroides</i> . 1988 , 27, 1918-25	116
848	Site-directed mutagenesis of the T4 endonuclease V gene: role of lysine-130. 1988 , 27, 1832-8	29
847	A "selfish" B chromosome that enhances its transmission by eliminating the paternal genome. 1988 , 240, 512-4	145

846	Effect of pulsed and reversing electric fields on the orientation of linear and supercoiled DNA molecules in agarose gels. 1988 , 27, 6417-24		23
845	Identification of two histidines as copper ligands in <i>Streptomyces glaucescens</i> tyrosinase. 1988 , 27, 5610-5		58
844	The NGF-inducible SCG10 mRNA encodes a novel membrane-bound protein present in growth cones and abundant in developing neurons. 1988 , 1, 463-76		219
843	Nucleotide sequence of integrated hepatitis B virus DNA and human flanking regions in the genome of the PLC/PRF/5 cell line. <i>Gene</i> , 1988 , 64, 285-96	3.8	15
842	Nucleotide sequencing of the <i>ruv</i> region of <i>Escherichia coli</i> K-12 reveals a LexA regulated operon encoding two genes. 1988 , 16, 1541-9		96
841	Versatile cloning vectors for transient gene expression and direct gene transfer in plant cells. 1988 , 16, 8725		119
840	<i>Aspergillus nidulans</i> contains a single actin gene which has unique intron locations and encodes a gamma-actin. <i>Gene</i> , 1988 , 70, 283-93	3.8	211
839	Pig heart calpastatin: identification of repetitive domain structures and anomalous behavior in polyacrylamide gel electrophoresis. 1988 , 27, 1964-72		187
838	A simple and efficient procedure for generating random point mutations and for codon replacements using mixed oligodeoxynucleotides. 1988 , 7, 127-34		44
837	Directed mutagenesis of the dicyclohexylcarbodiimide-reactive carboxyl residues in beta-subunit of F1-ATPase of <i>Escherichia coli</i> . 1988 , 261, 222-5		15
836	Human lysozyme: sequencing of a cDNA, and expression and secretion by <i>Saccharomyces cerevisiae</i> . 1988 , 150, 794-801		47
835	Molecular cloning of <i>Escherichia coli</i> K-12 <i>ggt</i> and rapid isolation of gamma-glutamyltranspeptidase. 1988 , 150, 33-8		51
834	Organization and expression of three genes from the silkworm early chorion locus. 1988 , 125, 423-31		27
833	<i>Plasmodium falciparum</i> : three amino acid changes in the dihydrofolate reductase of a pyrimethamine-resistant mutant. 1988 , 67, 361-3		15
832	Primary structure of rat liver serine dehydratase deduced from the cDNA sequence. 1988 , 234, 331-5		10
831	Nucleotide sequence analysis of cDNAs encoding a bovine galanin precursor protein in the adrenal medulla and chemical isolation of bovine gut galanin. 1988 , 234, 400-6		92
830	Primary and secondary structure of the 18 S ribosomal RNA of the insect species <i>Tenebrio molitor</i> . 1988 , 232, 115-20		36
829	Cloning and high-level expression of a chloroperoxidase gene from <i>Pseudomonas pyrocinia</i> in <i>Escherichia coli</i> . 1988 , 238, 325-8		16

828	Ligands to the 2Fe iron-sulfur center in succinate dehydrogenase. 1988 , 232, 298-302	11
827	Primary structure of porcine muscarinic acetylcholine receptor III and antagonist binding studies. 1988 , 235, 257-61	79
826	Phosphorylation of threonine residues on cloned fragments of the Dictyostelium myosin heavy chain. 1988 , 227, 71-5	3
825	Broad-host range expression vectors containing manipulated meta-cleavage pathway regulatory elements of the TOL plasmid. 1988 , 226, 241-6	27
824	Intragenic suppression in the uvrD gene of Escherichia coli. I. Temperature-sensitive uvrD mutations. 1988 , 194, 39-48	1
823	The genes encoding the DNA binding protein and the 23K protease of adenovirus types 40 and 41. 1988 , 163, 1-10	43
822	Functional and antigenic domains of the dengue-2 virus nonstructural glycoprotein NS-1. 1988 , 163, 93-103	31
821	Sequence of the small double-stranded RNA genomic segment of infectious bursal disease virus and its deduced 90-kDa product. 1988 , 163, 240-2	80
820	Major rearrangement of cellular DNA in the vicinity of integrated polyomavirus DNA. 1988 , 162, 128-36	8
819	Conservation of a gene cluster including glycoprotein B in bovine herpesvirus type 2 (BHV-2) and herpes simplex virus type 1 (HSV-1). 1988 , 165, 388-405	41
818	Common epitopes of glycoprotein B map within the major DNA-binding proteins of bovine herpesvirus type 2 (BHV-2) and herpes simplex virus type 1 (HSV-1). 1988 , 165, 406-18	9
817	Cloning and sequencing of genes encoding structural proteins of avian infectious bronchitis virus. 1988 , 165, 589-95	57
816	The structure of three bacteriophage T4 genes required for tail-tube assembly. 1988 , 164, 81-90	14
815	A substitution in a nonconserved region of polyomavirus large T antigen which causes a thermosensitive mutation. 1988 , 165, 165-71	4
814	Nucleotide sequence and deduced amino acid sequence of the nonstructural proteins of dengue type 2 virus, Jamaica genotype: comparative analysis of the full-length genome. 1988 , 165, 234-44	141
813	Sequence and identification of the barley yellow dwarf virus coat protein gene. 1988 , 165, 306-9	25
812	Genetic Construction of Lactose-Utilizing Strains of Pseudomonas Aeruginosa and Their Application in Biosurfactant Production. 1988 , 6, 1335-1339	29
811	Cloning and sequencing of the gene encoding the phosphatidylcholine-preferring phospholipase C of Bacillus cereus. <i>Gene</i> , 1988 , 65, 293-304	3.8 100

810	Identification and characterization of oriLyt, a lytic origin of DNA replication of Epstein-Barr virus. 1988 , 55, 427-33	339
809	High-cell density fermentation studies of recombinant Escherichia coli strains expressing human interleukin-1 beta. 1988 , 139, 129-46	59
808	The role of the traT gene of the Salmonella typhimurium virulence plasmid for serum resistance and growth within liver macrophages. 1988 , 5, 275-85	50
807	Structure and organization of Marchantia polymorpha chloroplast genome. I. Cloning and gene identification. 1988 , 203, 281-98	123
806	Functional cDNA libraries from Drosophila embryos. 1988 , 203, 425-37	618
805	The cpx proteins of Escherichia coli K12. Structure of the cpxA polypeptide as an inner membrane component. 1988 , 203, 467-78	87
804	Differential effects of mutations in the protein and RNA moieties of RNase P on the efficiency of suppression by various tRNA suppressors. 1988 , 204, 879-88	68
803	DNA sequence analysis of the ade6 gene of Schizosaccharomyces pombe. Wild-type and mutant alleles including the recombination host spot allele ade6-M26. 1988 , 204, 917-25	153
802	Transcriptional activation at adjacent operators in the divergent-overlapping ilvY and ilvC promoters of Escherichia coli. 1988 , 203, 643-63	96
801	Mouse cytoskeletal gamma-actin: analysis and implications of the structure of cloned cDNA and processed pseudogenes. 1988 , 203, 665-75	16
800	Duplicated region of the mouse genome containing a cytoplasmic gamma-actin processed pseudogene associated with long interspersed repetitive elements. 1988 , 203, 677-87	13
799	Retrotransposon-like sequences are expressed in Y chromosomal lampbrush loops of Drosophila hydei. 1988 , 203, 689-97	53
798	Saturation mutagenesis of the Tn10-encoded tet operator O1. Identification of base-pairs involved in Tet repressor recognition. 1988 , 202, 397-406	38
797	Plasmid deletion formation in Bacillus subtilis. 1988 , 20, 23-32	14
796	Plasmid pColBM-Cl139 does not encode a colicin lysis protein but contains sequences highly homologous to the D protein (resolvase) and the oriV region of the miniF plasmid. 1988 , 20, 75-82	16
795	Spontaneous insertion of an IS2 element into the promoter region of the lac operon. 1988 , 20, 143-7	4
794	Functional and structural map of pLST1000: a multiresistance plasmid widely distributed in Enterobacteriaceae. 1988 , 20, 163-6	8
793	Construction of an extrachromosomally replicating transformation vector for Dictyostelium discoideum. 1988 , 20, 241-8	37

792	A runaway-replication plasmid pSY343 contains two ssi signals. 1988 , 20, 266-70		12
791	Hybridization analysis of the class P tetracycline resistance determinant from the <i>Clostridium perfringens</i> R-plasmid, pCW3. 1988 , 19, 113-20		40
790	Complete nucleotide sequence and genetic organization of the bacteriocinogenic plasmid, pIP404, from <i>Clostridium perfringens</i> . 1988 , 19, 134-50		76
789	Identification and molecular genetic analysis of replication functions of the bacteriocinogenic plasmid pIP404 from <i>Clostridium perfringens</i> . 1988 , 19, 151-60		46
788	The <i>Clostridium perfringens</i> chloramphenicol resistance transposon Tn4451 excises precisely in <i>Escherichia coli</i> . 1988 , 19, 164-8		19
787	Optimal conditions for the use of cDNA probes to measure the concentration of barley yellow dwarf virus in barley (<i>Hordeum vulgare</i>). 1988 , 19, 307-18		5
786	The tropomyosin mRNAs of mouse striated muscles: molecular cloning of beta-tropomyosin. 1988 , 951, 117-22		9
785	Characterisation of the CDC7 gene product of <i>Saccharomyces cerevisiae</i> as a protein kinase needed for the initiation of mitotic DNA synthesis. 1988 , 951, 335-43		33
784	A versatile class of positive-selection vectors based on the nonviability of palindrome-containing plasmids that allows cloning into long polylinkers. <i>Gene</i> , 1988 , 68, 119-38	3.8	417
783	The baboon apolipoprotein E gene: structure, expression, and linkage with the gene for apolipoprotein C-1. 1988 , 2, 315-23		41
782	Tightly regulated tac promoter vectors useful for the expression of unfused and fused proteins in <i>Escherichia coli</i> . <i>Gene</i> , 1988 , 69, 301-15	3.8	908
781	Promoter occlusion during ribosomal RNA transcription. 1988 , 54, 985-92		113
780	Deletion screening of the Duchenne muscular dystrophy locus via multiplex DNA amplification. 1988 , 16, 11141-56		990
779	Nucleotide sequence and transcriptional analysis of a third function (Flm) involved in F-plasmid maintenance. <i>Gene</i> , 1988 , 66, 259-68	3.8	59
778	The nucleotide sequence of a plasmid determinant for resistance to tellurium anions. <i>Gene</i> , 1988 , 66, 245-58	3.8	45
777	A novel method for generating a nested set of unidirectional deletion mutants using mixed oligodeoxynucleotides. <i>Gene</i> , 1988 , 70, 205-11	3.8	10
776	Sequence and organization of pobA, the gene coding for p-hydroxybenzoate hydroxylase, an inducible enzyme from <i>Pseudomonas aeruginosa</i> . <i>Gene</i> , 1988 , 71, 279-91	3.8	57
775	Identification of the region of cyanobacterial plasmid pDU1 necessary for replication in <i>Anabaena</i> sp. strain M-131. <i>Gene</i> , 1988 , 62, 101-9	3.8	23

774	Multicopy expression vector based on temperature-regulated lac repressor: expression of human immunodeficiency virus env gene in Escherichia coli. <i>Gene</i> , 1988 , 70, 415-7	3.8	11
773	New yeast-Escherichia coli shuttle vectors constructed with in vitro mutagenized yeast genes lacking six-base pair restriction sites. <i>Gene</i> , 1988 , 74, 527-34	3.8	2697
772	In vivo plasmid construction by integrative recombination within a 156 bp sequence homology. 1988 , 5, 1-4		3
771	Amplification of cloned DNA as tandem multimers using BspMI-generated asymmetric cohesive ends. <i>Gene</i> , 1988 , 71, 1-8	3.8	26
770	Cloning and DNA sequence analysis of the cDNA for the precursor of porcine follicle stimulating hormone (FSH) beta subunit. 1988 , 55, 107-12		44
769	Synthesis of a gene coding for an insect-specific scorpion neurotoxin and attempts to express it using baculovirus vectors. <i>Gene</i> , 1988 , 73, 409-18	3.8	105
768	Sequence of the Bacillus subtilis glutamine synthetase gene region. <i>Gene</i> , 1988 , 71, 257-65	3.8	64
767	High-level production of hepatitis B viral X protein in Escherichia coli using gene II promoter of bacteriophage M13. <i>Gene</i> , 1988 , 62, 315-21	3.8	8
766	Barnase and barstar. Expression of its cloned inhibitor permits expression of a cloned ribonuclease. 1988 , 202, 913-5		221
765	Role of the potential secondary structures in phage G4 origin of complementary DNA strand synthesis. <i>Gene</i> , 1988 , 71, 323-30	3.8	10
764	An Ultrabithorax protein binds sequences near its own and the Antennapedia P1 promoters. 1988 , 55, 1069-81		177
763	Entrapment of recombinant plasmids in SeaPlaque agarose plugs and their rapid purification from recircularised vectors. <i>Gene</i> , 1988 , 65, 319-23	3.8	5
762	The secondary structure of ribonuclease P RNA, the catalytic element of a ribonucleoprotein enzyme. 1988 , 52, 19-26		211
761	Genetic organization and nucleotide sequence of the stability locus of IncFII plasmid NR1. 1988 , 202, 511-25		37
760	Tandem gene amplification in vitro for rapid and efficient expression in animal cells. <i>Gene</i> , 1988 , 71, 9-18,8		20
759	Transcription termination in Escherichia coli. Measurement of the rate of enzyme release from Rho-independent terminators. 1988 , 202, 271-85		48
758	Cloning and expression of the pneumococcal neuraminidase gene in Escherichia coli. <i>Gene</i> , 1988 , 71, 299-305	3.8	31
757	A plasmid vector system for the expression of a triprotein consisting of beta-galactosidase, a collagenase recognition site and a foreign gene product. <i>Gene</i> , 1988 , 62, 55-64	3.8	40

756	<i>Drosophila Adh</i> : a promoter element expands the tissue specificity of an enhancer. 1988 , 53, 451-61		89
755	Nucleotide and deduced amino acid sequence of <i>stp</i> : the bacteriophage T4 anticodon nuclease gene. 1988 , 199, 373-7		20
754	Improved cat gene cassette for promoter analysis and genetic constructions. <i>Gene</i> , 1988 , 67, 295-9	3.8	13
753	Rapid transcriptional regulation by phytochrome of the genes for phytochrome and chlorophyll a/b-binding protein in <i>Avena sativa</i> . 1988 , 8, 4840-50		120
752	Transcript mapping using [35S]DNA probes, trichloroacetate solvent and dideoxy sequencing ladders: a rapid method for identification of transcriptional start points. <i>Gene</i> , 1988 , 65, 101-10	3.8	43
751	Cloning and expression of two cellulase genes of <i>Clostridium cellulolyticum</i> in <i>Escherichia coli</i> . <i>Gene</i> , 1988 , 65, 51-8	3.8	38
750	Application of partial restriction procedure in both shotgun and non-random strategies for nucleotide sequencing. <i>Gene</i> , 1988 , 70, 405-9	3.8	4
749	Hybrid enterotoxin LTA::STa proteins and their protection from degradation by in vivo association with B-subunits of <i>Escherichia coli</i> heat-labile enterotoxin. <i>Gene</i> , 1988 , 64, 265-75	3.8	30
748	A multisite-directed mutagenesis using T7 DNA polymerase: application for reconstructing a mammalian gene. <i>Gene</i> , 1988 , 69, 81-9	3.8	43
747	Nucleotide sequence of the P1 attachment-protein gene of <i>Mycoplasma pneumoniae</i> . <i>Gene</i> , 1988 , 64, 217-29	3.8	93
746	Cloning and characterization of cDNAs coding for the heavy and light chains of a monoclonal antibody specific for <i>Pseudomonas aeruginosa</i> outer membrane protein I. <i>Gene</i> , 1988 , 74, 335-45	3.8	11
745	Mutations in the nucleotide binding loop of adenylate kinase of <i>Escherichia coli</i> . 1988 , 27, 4712-20		113
744	Generation of multiple independent substitution mutants by M13 in vitro mutagenesis using a single mutagenic oligonucleotide. 1988 , 7, 579-84		2
743	Structural analysis of the human glucocerebrosidase genes. 1988 , 7, 107-16		43
742	A new method for random mutagenesis of complete genes: enzymatic generation of mutant libraries in vitro. 1988 , 2, 63-8		35
741	McrA and McrB restriction phenotypes of some <i>E. coli</i> strains and implications for gene cloning. 1988 , 16, 1563-75		330
740	Subtle alteration of the active site of ribulose biphosphate carboxylase/oxygenase by concerted site-directed mutagenesis and chemical modification. 1988 , 152, 579-84		30
739	Site-directed mutagenesis of beta-galactosidase (<i>E. coli</i>) reveals that tyr-503 is essential for activity. 1988 , 152, 1050-5		39

738	Involvement of the conserved histidine-188 residue in the L-lactate dehydrogenase from <i>Thermus caldophilus</i> GK24 in allosteric regulation by fructose 1,6-bisphosphate. 1988 , 152, 1236-41	18
737	Exact localization of the familial dysbetalipoproteinemia associated HpaI restriction site in the promoter region of the APOC1 gene. 1988 , 152, 1282-8	27
736	Cloning, characterization, and expression of a human insulin-like growth factor binding protein. 1988 , 152, 1289-97	217
735	Structure and regulation of a lignin peroxidase gene from <i>Phanerochaete chrysosporium</i> . 1988 , 155, 626-33	85
734	Bovine liver cDNA clones encoding a precursor of the alpha-subunit of the mitochondrial ATP synthase complex. 1988 , 152, 264-9	21
733	Cloning, nucleotide sequence and molecular evolution of a rabbit processed metallothionein MT-2 pseudogene. 1988 , 156, 1403-10	4
732	Exon-intron organization of a gene for pregnancy-specific beta 1-glycoprotein, a subfamily member of CEA family: implications for its characteristic repetitive domains and C-terminal sequences. 1988 , 156, 68-77	42
731	Cloning and expression of the metallo-proteinase inhibitor (S-MPI) gene from <i>Streptomyces nigrescens</i> . 1988 , 155, 487-92	5
730	Mutant isolation and cloning of the gene encoding protease VII from <i>Escherichia coli</i> . 1988 , 153, 753-9	33
729	Cloning, nucleotide sequence and characterization of a New Zealand rabbit metallothionein-I gene. 1988 , 153, 209-16	16
728	The mosquito larvicidal activity of 130 kDa delta-endotoxin of <i>Bacillus thuringiensis</i> var. <i>israelensis</i> resides in the 72 kDa amino-terminal fragment. 1988 , 153, 294-300	17
727	Characterization of a nonhemagglutinating mutant of canine parvovirus. 1988 , 163, 230-2	28
726	Transcripts of the <i>Drosophila</i> blastoderm-specific locus, terminus, are concentrated posteriorly and encode a potential DNA-binding finger. 1988 , 125, 85-95	32
725	The J kappa proximal region of the human K locus contains three uncommon V kappa genes which are arranged in opposite transcriptional polarities. 1988 , 25, 479-84	33
724	Expression of the chemically synthesized gene for ribonuclease T1 in <i>Escherichia coli</i> using a secretion cloning vector. 1988 , 173, 617-22	81
723	The pMTL nic- cloning vectors. I. Improved pUC polylinker regions to facilitate the use of sonicated DNA for nucleotide sequencing. <i>Gene</i> , 1988 , 68, 139-49	3.8 412
722	Conjugal transfer of DNA to cyanobacteria. 1988 , 167, 747-54	450
721	All species of the genus <i>Bordetella</i> contain genes for pertussis toxin of <i>Bordetella pertussis</i> . 1988 , 269, 205-10	

720	Mini-Mulac transposons with broad-host-range origins of conjugal transfer and replication designed for gene regulation studies in Rhizobiaceae. <i>Gene</i> , 1988 , 63, 41-52	3.8	50
719	mec-3, a homeobox-containing gene that specifies differentiation of the touch receptor neurons in <i>C. elegans</i> . 1988 , 54, 5-16		499
718	Rapid initial cleavage of nascent pre-rRNA transcripts in yeast. 1988 , 199, 107-13		29
717	Cloning and characterization of the 5-aminolevulinate synthase gene(s) from <i>Rhodobacter sphaeroides</i> . <i>Gene</i> , 1988 , 70, 139-51	3.8	48
716	Single-step purification of polypeptides expressed in <i>Escherichia coli</i> as fusions with glutathione S-transferase. <i>Gene</i> , 1988 , 67, 31-40	3.8	5744
715	Structure and function of the <i>Salmonella typhimurium</i> and <i>Escherichia coli</i> K-12 histidine operons. 1988 , 203, 585-606		142
714	The complete nucleotide sequence of murine beta-glucuronidase mRNA and its deduced polypeptide. 1988 , 2, 215-9		34
713	Sequence analysis of a processed gene coding for mouse ribosomal protein L32. <i>Gene</i> , 1988 , 74, 565-70	3.8	5
712	EGIII, a new endoglucanase from <i>Trichoderma reesei</i> : the characterization of both gene and enzyme. <i>Gene</i> , 1988 , 63, 11-22	3.8	282
711	A processed pseudogene with an intact coding sequence for rat liver cytochrome c oxidase subunit VIc. <i>Gene</i> , 1988 , 67, 125-30	3.8	8
710	Secretion of the proenzyme and active bovine pancreatic phospholipase A2 enzyme by <i>Saccharomyces cerevisiae</i> : design and use of a synthetic gene. <i>Gene</i> , 1988 , 64, 257-64	3.8	19
709	Clustering of hypervariable minisatellites in the proterminal regions of human autosomes. 1988 , 3, 352-60		292
708	Physical map and polyhedrin gene sequence of <i>Lymantria dispar</i> nuclear polyhedrosis virus. <i>Gene</i> , 1988 , 71, 97-105	3.8	50
707	Comparative analysis of the transcripts mapped in the BamHI DNA fragment B of avirulent HSV-1 HFEM, virulent HSV-1 F, and their intratypic recombinant viruses. 1988 , 10, 315-24		23
706	Nucleotide sequence, transcription and deduced function of a gene involved in polyketide antibiotic synthesis in <i>Streptomyces coelicolor</i> . <i>Gene</i> , 1988 , 74, 305-20	3.8	173
705	Cloning of genes encoding redox proteins of known amino acid sequence from a library of the <i>Desulfovibrio vulgaris</i> (Hildenborough) genome. <i>Gene</i> , 1988 , 67, 75-83	3.8	30
704	The role of individual pectate lyases of <i>Erwinia chrysanthemi</i> strain 3937 in pathogenicity on <i>saintpaulia</i> plants. 1988 , 33, 95-104		95
703	Molecular characterization of the patatin multigene family of potato. <i>Gene</i> , 1988 , 62, 27-44	3.8	109

702	Construction of a synthetic variant of the bacteriophage f1 gene V by assembling oligodeoxynucleotides corresponding to only one strand of DNA. <i>Gene</i> , 1988 , 71, 41-7	3.8	12
701	Nucleotide sequences of two embryonic drebrins, developmentally regulated brain proteins, and developmental change in their mRNAs. 1988 , 464, 207-15		29
700	Multiple forms of beta-amyloid peptide precursor RNAs in a single cell type. 1988 , 9, 333-8		21
699	The mechanism of loading of the FLP recombinase onto its DNA target sequence. 1988 , 204, 283-94		31
698	Nucleotide sequence of the ribostamycin phosphotransferase gene and of its control region in <i>Streptomyces ribosidificus</i> . <i>Gene</i> , 1988 , 68, 285-96	3.8	26
697	Analysis of the nourseothricin-resistance gene (<i>nat</i>) of <i>Streptomyces noursei</i> . <i>Gene</i> , 1988 , 62, 209-17	3.8	32
696	Sequence of the 3386 3' nucleotides of the genome of the AVO1 strain rabies virus: structural similarities in the protein regions involved in transcription. 1988 , 70, 1019-29		32
695	Nucleotide sequence of the gene coding for a 130-kDa mosquitocidal protein of <i>Bacillus thuringiensis israelensis</i> . <i>Gene</i> , 1988 , 66, 107-20	3.8	22
694	Cloning and characterization of the gene for a methanol-utilising alcohol dehydrogenase from <i>Bacillus stearothermophilus</i> . <i>Gene</i> , 1988 , 68, 11-22	3.8	11
693	Structure and regulation of controlling sequences for the <i>Streptomyces coelicolor</i> glycerol operon. 1988 , 204, 569-80		85
692	In vivo analysis of the mechanisms responsible for strong transcriptional polarity in a "sense" mutant within an intercistronic region. 1988 , 55, 351-60		27
691	Construction of a new shuttle expression vector for <i>Bacillus subtilis</i> and <i>Escherichia coli</i> by using a polycistronic system. <i>Gene</i> , 1988 , 69, 59-69	3.8	4
690	High-level expression of a functional human fibrinogen gamma chain in <i>Escherichia coli</i> . <i>Gene</i> , 1988 , 66, 183-92	3.8	30
689	Expression and secretion of human atrial natriuretic alpha-factor in <i>Bacillus subtilis</i> using the subtilisin signal peptide. <i>Gene</i> , 1988 , 69, 39-47	3.8	26
688	The TaqI 'star' reaction: strand preferences reveal hydrogen-bond donor and acceptor sites in canonical sequence recognition. <i>Gene</i> , 1988 , 65, 149-65	3.8	31
687	Molecular analysis of the gene encoding alpha-lytic protease: evidence for a preproenzyme. <i>Gene</i> , 1988 , 69, 237-44	3.8	58
686	Structure and biosynthesis of prokaryotic glycoproteins. 1988 , 70, 1493-504		28
685	Structural organization of the mouse mitochondrial malate dehydrogenase gene. 1988 , 200, 1-11		41

684	Four novel U RNAs are encoded by a herpesvirus. 1988 , 54, 599-607		114
683	Transcriptional regulation and gene arrangement of <i>Escherichia coli</i> , <i>Citrobacter freundii</i> and <i>Salmonella typhimurium</i> biotin operons. <i>Gene</i> , 1988 , 67, 203-11	3.8	26
682	The <i>sqt-1</i> gene of <i>C. elegans</i> encodes a collagen critical for organismal morphogenesis. 1988 , 55, 555-65		110
681	Complementation of mutants of the stability locus of IncFII plasmid NR1. Essential functions of the trans-acting <i>stbA</i> and <i>stbB</i> gene products. 1988 , 204, 345-56		11
680	Broad-host-range plasmid and M13 bacteriophage-derived vectors for promoter analysis in <i>Escherichia coli</i> and <i>Pseudomonas aeruginosa</i> . <i>Gene</i> , 1988 , 74, 375-86	3.8	64
679	Two genes in <i>Streptomyces alboniger</i> puromycin biosynthesis pathway are closely linked. <i>Gene</i> , 1988 , 69, 135-40	3.8	15
678	Nucleotide sequence analysis and expression of a tetracycline-resistance gene from <i>Campylobacter jejuni</i> . <i>Gene</i> , 1988 , 62, 17-26	3.8	76
677	Transformation of <i>Penicillium chrysogenum</i> using dominant selection markers and expression of an <i>Escherichia coli lacZ</i> fusion gene. <i>Gene</i> , 1988 , 62, 127-34	3.8	179
676	New cloning vectors and techniques for easy and rapid restriction mapping. <i>Gene</i> , 1988 , 67, 169-82	3.8	58
675	Nucleotide sequence of the gene for the delta 5-3-ketosteroid isomerase of <i>Pseudomonas testosteroni</i> . <i>Gene</i> , 1988 , 69, 121-9	3.8	25
674	A single point mutation in the <i>v-ets</i> oncogene affects both erythroid and myelomonocytic cell differentiation. 1988 , 55, 1147-58		91
673	Transcript characterisation, gene disruption and nucleotide sequence of the <i>Saccharomyces cerevisiae</i> WH12 gene. <i>Gene</i> , 1988 , 66, 205-13	3.8	13
672	Subunit Va of human and bovine cytochrome c oxidase is highly conserved. <i>Gene</i> , 1988 , 69, 245-56	3.8	44
671	Simple and highly efficient site-specific mutagenesis, by ligation of an oligodeoxyribonucleotide into gapped heteroduplex DNA in which the template strand contains deoxyuridine. <i>Gene</i> , 1988 , 69, 317-24	3.8	11
670	Cloning and nucleotide sequence of the <i>Streptomyces coelicolor</i> gene encoding glutamine synthetase. <i>Gene</i> , 1988 , 71, 247-56	3.8	54
669	Cloning of human lysozyme gene and expression in the yeast <i>Saccharomyces cerevisiae</i> . <i>Gene</i> , 1988 , 66, 223-34	3.8	41
668	Differential expression of the human glucocerebrosidase-coding gene. <i>Gene</i> , 1988 , 73, 469-78	3.8	28
667	Vectors that facilitate the expression and purification of foreign peptides in <i>Escherichia coli</i> by fusion to maltose-binding protein. <i>Gene</i> , 1988 , 67, 21-30	3.8	591

666	An Escherichia coli vector to express and purify foreign proteins by fusion to and separation from maltose-binding protein. <i>Gene</i> , 1988 , 74, 365-73	3.8	502
665	Organization of the hTMnm gene. Implications for the evolution of muscle and non-muscle tropomyosins. 1988 , 201, 507-15		66
664	Jekyll, a family of phage-plasmid shuttle vectors. <i>Gene</i> , 1988 , 73, 245-50	3.8	4
663	Structural homology between virulence-associated bacterial adenylate cyclases. <i>Gene</i> , 1988 , 71, 293-8	3.8	86
662	Structural organization of the mouse aspartate aminotransferase isoenzyme genes. Introns antedate the divergence of cytosolic and mitochondrial isoenzyme genes. 1988 , 200, 13-22		37
661	FOSP-1 (frog oviduct-specific protein-1) gene: cloning of cDNA and induction by estrogen in primary cultures of Xenopus oviduct cells. 1988 , 59, 241-8		9
660	Cloning and characterization of the CYC8 gene mediating glucose repression in yeast. <i>Gene</i> , 1988 , 73, 97-111	3.8	86
659	Nucleotide sequences of the Escherichia coli nagE and nagB genes: the structural genes for the N-acetylglucosamine transport protein of the bacterial phosphoenolpyruvate: sugar phosphotransferase system and for glucosamine-6-phosphate deaminase. <i>Gene</i> , 1988 , 62, 197-207	3.8	77
658	Molecular characterization of yeast regulatory gene CAT3 necessary for glucose derepression and nuclear localization of its product. <i>Gene</i> , 1988 , 67, 247-57	3.8	73
657	A gene fusion system using the aminoglycoside 3'-phosphotransferase gene of the kanamycin-resistance transposon Tn903: use in the yeast Kluyveromyces lactis and Saccharomyces cerevisiae. <i>Gene</i> , 1988 , 69, 181-92	3.8	44
656	Construction of versatile Escherichia coli-yeast shuttle vectors for promoter testing in Saccharomyces cerevisiae. <i>Gene</i> , 1988 , 66, 313-8	3.8	5
655	Endoproteolytic cleavage of gp160 is required for the activation of human immunodeficiency virus. 1988 , 53, 55-67		565
654	Complete nucleotide sequence of the region encompassing the first twenty-five exons of the human pro alpha 1(I) collagen gene (COL1A1). <i>Gene</i> , 1988 , 67, 105-15	3.8	85
653	A family of versatile centromeric vectors designed for use in the sectoring-shuffle mutagenesis assay in Saccharomyces cerevisiae. <i>Gene</i> , 1988 , 70, 303-12	3.8	231
652	Promoter-detection vectors for Escherichia coli with multiple useful features. <i>Gene</i> , 1988 , 64, 207-15	3.8	22
651	Type III DNA restriction and modification systems EcoP1 and EcoP15. Nucleotide sequence of the EcoP1 operon, the EcoP15 mod gene and some EcoP1 mod mutants. 1988 , 200, 23-9		95
650	Nucleotide sequences of the L24/L5 intercistronic region of Proteus vulgaris, Serratia marcescens and Salmonella typhimurium. 1988 , 204, 326-329		
649	Highly efficient positive selection of recombinant plasmids using a novel rglB-based Escherichia coli K-12 vector system. <i>Gene</i> , 1988 , 66, 269-78	3.8	10

648	Cloning and physical characterization of katE and katF required for catalase HPII expression in Escherichia coli. <i>Gene</i> , 1988 , 73, 337-45	3.8	118
647	Isolation and characterization of the glyceraldehyde-3-phosphate dehydrogenase gene of Aspergillus nidulans. <i>Gene</i> , 1988 , 69, 49-57	3.8	129
646	Isolation and analysis of the gene encoding peripheral myelin protein zero. 1988 , 1, 73-83		265
645	Single amino acid changes in the Bacillus thuringiensis var. israelensis delta-endotoxin affect the toxicity and expression of the protein. 1988 , 202, 527-35		55
644	Investigation of the mechanism of active site coupling in the pyruvate dehydrogenase multienzyme complex of Escherichia coli by protein engineering. 1988 , 202, 97-106		52
643	Molecular cloning and overexpression of the glucosamine synthetase gene from Escherichia coli. 1988 , 70, 287-90		52
642	Evolution of the rat immunoglobulin gamma heavy-chain gene family. <i>Gene</i> , 1988 , 74, 473-82	3.8	45
641	Two human genes encoding tRNA(GCCGly). <i>Gene</i> , 1988 , 65, 329-36	3.8	7
640	Cloning and nucleotide sequence determination of the isopenicillin N synthetase gene from Streptomyces clavuligerus. <i>Gene</i> , 1988 , 62, 187-96	3.8	90
639	Analysis of the nucleotide sequence of the P1 operon of Mycoplasma pneumoniae. <i>Gene</i> , 1988 , 73, 175-83	3.8	71
638	Nature and distribution of sites of temperature-sensitive folding mutations in the gene for the P22 tailspike polypeptide chain. 1988 , 204, 607-19		61
637	Promoters and transcription of the plasmid-mediated citrate-utilization system in Escherichia coli. <i>Gene</i> , 1988 , 68, 181-92	3.8	13
636	Molecular cloning and characterization of the met2 gene from Ascobolus immersus. <i>Gene</i> , 1988 , 63, 297-308	3.8	38
635	A trans-acting gene is required for the phenotypic expression of a tyrosinase gene in Streptomyces. <i>Gene</i> , 1988 , 65, 71-81	3.8	48
634	SPA1: a gene important for chromosome segregation and other mitotic functions in S. cerevisiae. 1988 , 54, 743-54		62
633	Cloning and nucleotide sequence of the structural gene coding for Bacillus subtilis tryptophanyl-tRNA synthetase. <i>Gene</i> , 1988 , 73, 537-43	3.8	33
632	Structure of extrachromosomal circular DNAs excised from T-cell antigen receptor alpha and delta-chain loci. 1988 , 202, 219-31		39
631	Insertional restoration of beta-galactosidase alpha-complementation (white-to-blue colony screening) facilitates assembly of synthetic genes. <i>Gene</i> , 1988 , 70, 161-70	3.8	17

630	Functional expression of a sequence-specific endonuclease encoded by the retrotransposon R2Bm. 1988 , 55, 235-46		148
629	Molecular cloning of the mouse angiotensinogen gene. 1988 , 2, 240-8		52
628	Nucleotide sequence of the fusion and phosphoprotein genes of human respiratory syncytial (RS) virus Long strain: evidence of subtype genetic heterogeneity. 1988 , 10, 249-61		59
627	The structure of the human thyrotropin beta-subunit gene. <i>Gene</i> , 1988 , 73, 489-97	3.8	33
626	Complete sequence of neutralization protein VP2 of the recent US isolate bluetongue virus serotype 2: its relationship with VP2 species of other US serotypes. 1988 , 11, 49-58		25
625	Human M2-type pyruvate kinase: cDNA cloning, chromosomal assignment and expression in hepatoma. <i>Gene</i> , 1988 , 73, 509-16	3.8	55
624	Efficient secretion of two fungal cellobiohydrolases by <i>Saccharomyces cerevisiae</i> . <i>Gene</i> , 1988 , 63, 103-12	3.8	161
623	Cloning and expression of the phospho-beta-galactosidase genes on the lactose plasmid and the chromosome of <i>Lactobacillus casei</i> C257 in <i>Escherichia coli</i> . 1988 , 70, 523-9		13
622	Synthesis of functional mouse cytochromes P-450 P1 and chimeric P-450 P3-1 in the yeast <i>Saccharomyces cerevisiae</i> . <i>Gene</i> , 1988 , 65, 203-17	3.8	141
621	Molecular cloning and expression of bovine kappa-casein in <i>Escherichia coli</i> . 1988 , 71, 29-40		14
620	Construction and properties of a new insertion vector, pJDC9, that is protected by transcriptional terminators and useful for cloning of DNA from <i>Streptococcus pneumoniae</i> . <i>Gene</i> , 1988 , 64, 155-64	3.8	148
619	Primary structure of a hormonally regulated beta-glucanase of <i>Nicotiana plumbaginifolia</i> . <i>Gene</i> , 1988 , 70, 13-23	3.8	72
618	Analysis of the <i>Escherichia coli</i> glycogen gene cluster suggests that catabolic enzymes are encoded among the biosynthetic genes. <i>Gene</i> , 1988 , 70, 363-76	3.8	103
617	<i>Saccharomyces cerevisiae</i> protein involved in plasmid maintenance is necessary for mating of MAT alpha cells. 1988 , 204, 593-606		295
616	Further characterization of the virus-specific RNAs in feline calicivirus infected cells. 1988 , 11, 59-72		52
615	Molecular biological characterization of equine herpesvirus type 1 (EHV-1) isolates from ruminant hosts. 1988 , 11, 127-39		26
614	Absence of mutation in the beta-amyloid cDNAs cloned from the brains of three patients with sporadic Alzheimer's disease. 1988 , 464, 121-31		40
613	Signal sequence of preproglycinin affects production of the expressed protein in <i>Escherichia coli</i> . <i>Gene</i> , 1988 , 71, 349-58	3.8	25

612	A rapid and efficient method for targeted random mutagenesis. <i>Gene</i> , 1988 , 64, 313-9	3.8	9
611	Characterization of purified hepatitis B surface antigen containing pre-S(2) epitopes expressed in <i>Saccharomyces cerevisiae</i> . <i>Gene</i> , 1988 , 67, 229-45	3.8	26
610	Cloning and sequencing of cDNA encoding the mature form of phosphoribulokinase from spinach. <i>Gene</i> , 1988 , 66, 55-63	3.8	44
609	Nucleotide sequence of the beta-D-phosphogalactoside galactohydrolase gene of <i>Lactobacillus casei</i> : comparison to analogous pbg genes of other gram-positive organisms. <i>Gene</i> , 1988 , 62, 263-76	3.8	72
608	Identification of the bacteriophage D108 kil gene and of the second region of sequence nonhomology with bacteriophage Mu. <i>Gene</i> , 1988 , 62, 111-9	3.8	5
607	v-jun encodes a nuclear protein with enhancer binding properties of AP-1. 1988 , 52, 705-12		195
606	Molecular cloning and characterization of cellular genes whose expression is repressed by the adenovirus E1a gene products and growth factors in quiescent rat cells. <i>Gene</i> , 1988 , 70, 97-106	3.8	16
605	Sequence analysis of the gtfC gene from <i>Streptococcus mutans</i> GS-5. <i>Gene</i> , 1988 , 69, 101-9	3.8	136
604	Sequence and structural analysis of the alpha- and beta-dinitrogenase subunits of <i>Thiobacillus ferrooxidans</i> . <i>Gene</i> , 1988 , 69, 337-43	3.8	16
603	A family of high-copy-number plasmid vectors with single end-label sites for rapid nucleotide sequencing. <i>Gene</i> , 1988 , 70, 171-9	3.8	113
602	Random mutagenesis using degenerate oligodeoxyribonucleotides. <i>Gene</i> , 1988 , 73, 319-25	3.8	14
601	CYP1 (HAP1) regulator of oxygen-dependent gene expression in yeast. I. Overall organization of the protein sequence displays several novel structural domains. 1988 , 204, 263-76		119
600	Nucleotide sequence and transcription analysis of yop51 from <i>Yersinia enterocolitica</i> W22703. 1988 , 5, 449-59		78
599	Nucleotide sequence of the 3' terminal region of plum pox potyvirus RNA. 1988 , 10, 325-341		80
598	Ksp632I, a novel class-IIIS restriction endonuclease from <i>Kluyvera</i> sp. strain 632 with the asymmetric hexanucleotide recognition sequence: 5'-CTCTTC(N)1-3' 3'-GAGAAG(N)4-5'. <i>Gene</i> , 1988 , 66, 31-43	3.8	20
597	Lambda ZAP: a bacteriophage lambda expression vector with in vivo excision properties. 1988 , 16, 7583-600		1335
596	Molecular cloning and structure of the mouse interleukin-5 gene. 1988 , 1, 51-7		15
595	Assembly of a functional immunoglobulin Fv fragment in <i>Escherichia coli</i> . 1988 , 240, 1038-41		905

594	A directed nucleotide-sequencing approach for single-stranded vectors based on recloning intermediates of a progressive DNA synthesis reaction. <i>Gene</i> , 1988 , 67, 159-68	3.8	7
593	Nucleotide sequence of the regulatory gene <i>xylR</i> of the TOL plasmid from <i>Pseudomonas putida</i> . <i>Gene</i> , 1988 , 66, 301-6	3.8	112
592	Simple sequence DNA associated with near sequence identity of the 3'-flanking regions of rat cytochrome P450b and P450e genes. 1988 , 7, 361-9		12
591	Intracellular precursors and secretion of alkaline extracellular protease of <i>Yarrowia lipolytica</i> . 1988 , 8, 4904-16		68
590	A constitutive member of the rat cytochrome P450IIB subfamily: full-length coding sequence of the P450IIB3 cDNA. 1988 , 7, 253-60		34
589	Expression of coxsackievirus B3 capsid proteins in <i>Escherichia coli</i> and generation of virus-specific antisera. 1988 , 7, 307-16		40
588	A membrane glycoprotein, Sec12p, required for protein transport from the endoplasmic reticulum to the Golgi apparatus in yeast. 1988 , 107, 851-63		246
587	A transposable genetic element associated with positive regulation of G6PD gene expression in <i>Drosophila melanogaster</i> . 1988 , 52, 169-77		6
586	Ribosomal DNA insertion elements R1Bm and R2Bm can transpose in a sequence specific manner to locations outside the 28S genes. 1988 , 16, 10561-73		45
585	Sequence and organization of barley yellow dwarf virus genomic RNA. 1988 , 16, 6097-111		151
584	Single-Stranded DNA Binding Protein Encoded by the <i>virE</i> Locus of <i>Agrobacterium tumefaciens</i> . 1988 , 240, 501-4		140
583	Functional dissection of 5' and 3' extragenic control regions of human tRNA(Val) genes reveals two different regulatory effects. 1988 , 7, 87-97		17
582	Anticodon switching changes the identity of methionine and valine transfer RNAs. 1988 , 242, 765-8		227
581	Expression of the three unlinked isocoding actin genes of <i>Physarum polycephalum</i> . 1988 , 7, 317-28		31
580	A consensus sequence for cleavage by vertebrate DNA topoisomerase II. 1988 , 16, 5533-56		241
579	A related moderately repetitive DNA family in the nematodes <i>Ascaris lumbricoides</i> and <i>Panagrellus silusiae</i> . 1988 , 16, 10833-47		1
578	Nucleotide sequence and evolutionary relationships of cucumber mosaic virus (CMV) strains: CMV RNA 2. 1988 , 69 (Pt 8), 1777-87		38
577	Nucleotide sequence of the fusion and haemagglutinin-neuraminidase glycoprotein genes of Newcastle disease virus, strain Ulster: molecular basis for variations in pathogenicity between strains. 1988 , 69 (Pt 3), 613-20		83

576	Cloning and characterization of the gene encoding the major protein of the A-type inclusion body of cowpox virus. 1988 , 69 (Pt 1), 35-47	90
575	The complete nucleotide sequence of a bovine enterovirus. 1988 , 69 (Pt 2), 253-63	68
574	The presence of five nifH-like sequences in <i>Clostridium pasteurianum</i> : sequence divergence and transcription properties. 1988 , 16, 439-54	66
573	Interaction between pap-encoded pilin and adhesin gene products of uropathogenic <i>Escherichia coli</i> . 1988 , 10 Suppl 2, S300-5	2
572	Molecular cloning and genetic analysis of a chloramphenicol acetyltransferase determinant from <i>Clostridium difficile</i> . 1988 , 32, 1213-7	31
571	Determination of the Processing Sites of an Arabidopsis 2S Albumin and Characterization of the Complete Gene Family. 1988 , 87, 859-66	194
570	Comparison of the leader sequences of four group A streptococcal M protein genes. 1988 , 16, 4667-77	44
569	Visualization and quantitative analysis of complex formation between <i>E. coli</i> RNA polymerase and an rRNA promoter in vitro. 1988 , 16, 9789-809	118
568	Mutagenesis induced by site specifically placed 4'-hydroxymethyl-4,5',8-trimethylpsoralen adducts. 1988 , 16, 9961-77	31
567	Molecular cloning and complete nucleotide sequence of an adult T cell leukaemia virus/human T cell leukaemia virus type I (ATLV/HTLV-I) isolate of Caribbean origin: relationship to other members of the ATLV/HTLV-I subgroup. 1988 , 69 (Pt 7), 1695-710	162
566	SEC11 is required for signal peptide processing and yeast cell growth. 1988 , 106, 1035-42	167
565	A growth factor-repressible gene associated with protein kinase C-mediated inhibition of adipocyte differentiation. 1988 , 107, 279-86	71
564	Identification of distinct C3b and C4b recognition sites in the human C3b/C4b receptor (CR1, CD35) by deletion mutagenesis. 1988 , 168, 1699-717	238
563	Isolation, characterization and evolutionary relatedness of three members from the soybean multigene family encoding chlorophyll a/b binding proteins. 1988 , 16, 10477-92	26
562	Location of a neutralizing epitope for the haemagglutinin-neuraminidase glycoprotein of Newcastle disease virus. 1988 , 69 (Pt 8), 2115-22	30
561	Chemical synthesis of a gene for human stefin A and its expression in <i>E. coli</i> . 1988 , 369, 1019-30	15
560	Molecular cloning and restriction enzyme mapping of an African swine fever virus isolate from Malawi. 1988 , 69 (Pt 7), 1683-94	37
559	Genome rearrangement and nitrogen fixation in <i>Anabaena</i> blocked by inactivation of <i>xisA</i> gene. 1988 , 242, 1421-3	115

558	Stability of plasmid sequences in an acute Q-fever strain of <i>Coxiella burnetii</i> . 1988 , 134, 1795-1805	10
557	Nucleotide sequence of the capsid protein gene and 3' non-coding region of papaya mosaic virus RNA. 1988 , 69 (Pt 1), 219-26	24
556	A DNA binding protein regulated by IL-4 and by differentiation in B cells. 1988 , 242, 1559-62	63
555	Sequences downstream of the glucocorticoid regulatory element mediate cycloheximide inhibition of steroid induced expression from the rat alpha 1-acid glycoprotein promoter: evidence for a labile transcription factor. 1988 , 2, 1343-51	84
554	Autocrine stimulation of Nb2 cell proliferation by secreted, but not intracellular, prolactin. 1988 , 2, 740-6	10
553	cDNA cloning and expression of a human platelet-derived growth factor (PDGF) receptor specific for B-chain-containing PDGF molecules. 1988 , 8, 3476-86	315
552	The site-specific ribosomal DNA insertion element R1Bm belongs to a class of non-long-terminal-repeat retrotransposons. 1988 , 8, 114-23	139
551	Structure of the rat insulin-like growth factor II transcriptional unit: heterogeneous transcripts are generated from two promoters by use of multiple polyadenylation sites and differential ribonucleic acid splicing. 1988 , 2, 1115-26	37
550	Identification of two factors which bind to the upstream sequences of a number of nuclear genes coding for mitochondrial proteins and to genetic elements important for cell division in yeast. 1988 , 16, 7287-301	114
549	Cloning of a membrane protein that induces a slow voltage-gated potassium current. 1988 , 242, 1042-5	496
548	Genetic analysis of the tomato golden mosaic virus. II. The product of the AL1 coding sequence is required for replication. 1988 , 16, 7043-60	206
547	Aldolase activity of a <i>Plasmodium falciparum</i> protein with protective properties. 1988 , 240, 1036-8	75
546	A genetic selection for temperature-sensitive variants of the gene V protein of bacteriophage f1. 1988 , 16, 9027-39	16
545	Molecular analysis of a <i>Neurospora crassa</i> gene expressed during conidiation. 1988 , 8, 2411-8	75
544	8 Plasmid Cloning Vectors. 1988 , 21, 179-204	
543	Characterization of the origins of replication of bacteriophage phi 29 DNA. 1988 , 16, 5895-914	25
542	Identification of regions essential for extrachromosomal replication and maintenance of an endogenous plasmid in <i>Dictyostelium</i> . 1988 , 16, 6825-37	31
541	The alpha-tubulin gene family expressed during cell differentiation in <i>Naegleria gruberi</i> . 1988 , 106, 2035-46	31

540	Topoisomer gel retardation: detection of anti-Z-DNA antibodies bound to Z-DNA within supercoiled DNA minicircles. 1988 , 16, 21-37	40
539	Overlapping open reading frames revealed by complete nucleotide sequencing of turnip yellow mosaic virus genomic RNA. 1988 , 16, 6157-73	110
538	A novel procedure for selective cloning of NotI linking fragments from mammalian genomes. 1988 , 16, 9177-84	22
537	A new member of the ras gene superfamily identified in a rat liver cell line. 1988 , 16, 9979-93	48
536	Heterologous 5' flanking regions do not support in vitro template activity of a <i>Drosophila melanogaster</i> tRNA(Val3b) gene. 1988 , 16, 4137-53	2
535	Identification of the coronavirus MHV-JHM mRNA 4 product. 1988 , 69 (Pt 5), 1041-50	17
534	Molecular cloning and expression of the imipenem-hydrolyzing beta-lactamase gene from <i>Pseudomonas maltophilia</i> in <i>Escherichia coli</i> . 1988 , 10, 806-17	8
533	Bidirectional transfer from a 24 bp border repeat of <i>Agrobacterium tumefaciens</i> . 1988 , 16, 10225-36	4
532	A new <i>E.coli</i> cloning vector containing a melanin marker for insertion screening. 1988 , 16, 8710	9
531	Isolation and structural analysis of a ribosomal protein gene in <i>D.melanogaster</i> . 1988 , 16, 4915-26	14
530	Characterization and use of the <i>Drosophila</i> metallothionein promoter in cultured <i>Drosophila melanogaster</i> cells. 1988 , 16, 1043-61	421
529	The self-splicing intron in the <i>Neurospora</i> apocytochrome b gene contains a long reading frame in frame with the upstream exon. 1988 , 16, 1125-34	22
528	The regulatory region of the human plasminogen activator inhibitor type-1 (PAI-1) gene. 1988 , 16, 2805-24	75
527	<i>EcoRII</i> can be activated to cleave refractory DNA recognition sites. 1988 , 16, 3997-4008	120
526	Gene for the diphtheria toxin-susceptible elongation factor 2 from <i>Methanococcus vannielii</i> . 1988 , 16, 7817-26	42
525	Genetic analysis of two new mutations resulting in herbicide resistance in the cyanobacterium <i>Synechococcus</i> sp. PCC 7002. 1988 , 353-369	3
524	Right-hand border regions of octopine T-DNA are recognized by RNA polymerase of <i>Agrobacterium</i> as well as by VirD1 and VirD2 proteins. 1988 , 16, 7647-61	6
523	Protection of guinea pigs from experimental Rocky Mountain spotted fever with a cloned antigen of <i>Rickettsia rickettsii</i> . 1988 , 158, 228-31	34

522	Structural interconversion of alternating purine-pyrimidine inverted repeats cloned in supercoiled plasmids. 1988 , 16, 6915-33	18
521	Kinetic analysis for optimization of DNA ligation reactions. 1988 , 16, 10301-21	12
520	Analysis of the entire nucleotide sequence of the cryptic plasmid of <i>Chlamydia trachomatis</i> serovar L1. Evidence for involvement in DNA replication. 1988 , 16, 4053-67	77
519	Plasmid-mediated resistance to third-generation cephalosporins caused by point mutations in TEM-type penicillinase genes. 1988 , 10, 879-84	127
518	A DNA helicase induced by herpes simplex virus type 1. 1988 , 16, 6585-96	112
517	<i>Escherichia coli</i> RNase D: sequencing of the <i>rnd</i> structural gene and purification of the overexpressed protein. 1988 , 16, 6265-78	29
516	Truncation of the carboxy-terminal domain of yeast beta-tubulin causes temperature-sensitive growth and hypersensitivity to antimetabolic drugs. 1988 , 107, 1427-35	34
515	A temperature-sensitive mutation of the <i>Schizosaccharomyces pombe</i> gene <i>nuc2+</i> that encodes a nuclear scaffold-like protein blocks spindle elongation in mitotic anaphase. 1988 , 106, 1171-83	219
514	Demarcation of a sequence involved in mediating catabolite repression of the gene for the 11 kDa subunit VIII of ubiquinol-cytochrome c oxidoreductase in <i>Saccharomyces cerevisiae</i> . 1988 , 16, 5797-811	31
513	Prokaryotic expression of immunogenic polypeptides of the large phosphoprotein (pp150) of human cytomegalovirus. 1988 , 69 (Pt 6), 1195-204	48
512	Structure and expression of the PHO80 gene of <i>Saccharomyces cerevisiae</i> . 1988 , 16, 2625-37	33
511	Identification of sequence-specific DNA-binding factors by label transfer: application to the adenovirus-2 major late promoter. 1988 , 16, 519-35	11
510	Construction of novel eukaryotic transfection-vector, pJNL-1. 1988 , 16, 769	3
509	Splicing and spliceosome formation of the yeast MATa1 transcript require a minimum distance from the 5' splice site to the internal branch acceptor site. 1988 , 16, 9457-75	12
508	A correction in the nucleotide sequence of the Tn903 kanamycin resistance determinant in pUC4K. 1988 , 16, 358	169
507	Spatial and temporal expression of the period gene in <i>Drosophila melanogaster</i> . 1988 , 2, 228-38	134
506	pUC vectors capable of conferring neomycin resistance to eukaryotic cells. 1988 , 16, 7736	5
505	Beta-subunit of ATP-synthase: a useful marker for studying the phylogenetic relationship of eubacteria. 1988 , 134, 2815-21	13

504	Cloning and expression of the imipenem-hydrolyzing beta-lactamase operon from <i>Pseudomonas maltophilia</i> in <i>Escherichia coli</i> . 1988 , 32, 819-26	26
503	An expression cassette for targeting foreign proteins into chloroplasts. 1988 , 16, 11380	43
502	ROX1 encodes a heme-induced repression factor regulating ANB1 and CYC7 of <i>Saccharomyces cerevisiae</i> . 1988 , 8, 4651-8	116
501	Molecular analysis of GCN3, a translational activator of GCN4: evidence for posttranslational control of GCN3 regulatory function. 1988 , 8, 4808-20	85
500	Two distinct genes for ADP/ATP translocase are expressed at the mRNA level in adult human liver. 1988 , 85, 377-81	130
499	Identification of a DNA segment that is necessary and sufficient for alpha-specific gene control in <i>Saccharomyces cerevisiae</i> : implications for regulation of alpha-specific and a-specific genes. 1988 , 8, 309-20	115
498	B-cell control region at the 5' end of a major histocompatibility complex class II gene: sequences and factors. 1988 , 8, 3975-87	72
497	Yeast regulatory gene GAL3: carbon regulation; UASGal elements in common with GAL1, GAL2, GAL7, GAL10, GAL80, and MEL1; encoded protein strikingly similar to yeast and <i>Escherichia coli</i> galactokinases. 1988 , 8, 3439-47	106
496	Self-incompatibility genes of <i>Brassica oleracea</i> : Expression, isolation, and structure. 1988 , 85, 5551-5	156
495	A repressor heterodimer binds to a chimeric operator. 1988 , 85, 5834-8	27
494	Yeast gene RAD52 can substitute for phage T4 gene 46 or 47 in carrying out recombination and DNA repair. 1988 , 85, 6821-5	14
493	Site-directed mutagenesis identifies a tyrosine radical involved in the photosynthetic oxygen-evolving system. 1988 , 85, 427-30	403
492	A 40-base-pair sequence in the 3' end of the beta-actin gene regulates beta-actin mRNA transcription during myogenesis. 1988 , 85, 1389-93	80
491	Sequence and structural requirements of a herpes simplex viral DNA replication origin. 1988 , 8, 4018-27	53
490	Isolation, sequencing, and disruption of the CKA1 gene encoding the alpha subunit of yeast casein kinase II. 1988 , 8, 4981-90	131
489	Identification of two transcription factors that bind to specific elements in the promoter of the adenovirus early-region 4. 1988 , 8, 1290-300	67
488	Putative genes of a variant-specific antigen gene transcription unit in <i>Trypanosoma brucei</i> . 1988 , 8, 2367-78	96
487	Epitope mapping of human factor VIII inhibitor antibodies by deletion analysis of factor VIII fragments expressed in <i>Escherichia coli</i> . 1988 , 85, 6152-6	104

486	Human immunodeficiency virus has an aspartic-type protease that can be inhibited by pepstatin A. 1988 , 85, 6612-6	295
485	Derived protein sequence, oligosaccharides, and membrane insertion of the 120-kDa lysosomal membrane glycoprotein (lgp120): identification of a highly conserved family of lysosomal membrane glycoproteins. 1988 , 85, 7577-81	118
484	Nucleotide sequence of the genetic loci encoding subunits of Bradyrhizobium japonicum uptake hydrogenase. 1988 , 85, 8395-9	104
483	arcA (dye), a global regulatory gene in Escherichia coli mediating repression of enzymes in aerobic pathways. 1988 , 85, 1888-92	370
482	NusA protein is necessary and sufficient in vitro for phage lambda N gene product to suppress a rho-independent terminator placed downstream of nutL. 1988 , 85, 2494-8	68
481	Evidence that glutamic acid 167 is an active-site residue of Shiga-like toxin I. 1988 , 85, 2568-72	138
480	Molecular cloning of a cDNA encoding the human Sm-D autoantigen. 1988 , 85, 4832-6	129
479	Type 1 plasminogen activator inhibitor gene: functional analysis and glucocorticoid regulation of its promoter. 1988 , 85, 5525-9	209
478	Role of the overdrive sequence in T-DNA border cleavage in Agrobacterium. 1988 , 85, 8558-62	59
477	Identification and purification of a Drosophila protein that binds to the terminal 31-base-pair inverted repeats of the P transposable element. 1988 , 85, 8929-33	95
476	DNA sequencing with Thermus aquaticus DNA polymerase and direct sequencing of polymerase chain reaction-amplified DNA. 1988 , 85, 9436-40	637
475	rbcS genes in Solanum tuberosum: conservation of transit peptide and exon shuffling during evolution. 1988 , 85, 846-50	86
474	Illegitimate recombination induced by benzo[a]pyrene diol epoxide in Escherichia coli. 1988 , 85, 1043-6	18
473	Agrobacterium tumefaciens virE operon encodes a single-stranded DNA-binding protein. 1988 , 85, 2909-13	104
472	RSF1010 and a conjugative plasmid contain sullI, one of two known genes for plasmid-borne sulfonamide resistance dihydropteroate synthase. 1988 , 32, 1684-92	103
471	SAM2 encodes the second methionine S-adenosyl transferase in Saccharomyces cerevisiae: physiology and regulation of both enzymes. 1988 , 8, 5132-9	134
470	A gene encoding the major beta tubulin of the mitotic spindle in Physarum polycephalum plasmodia. 1988 , 8, 1275-81	32
469	Structure and transcription of the actin gene of Trypanosoma brucei. 1988 , 8, 2166-76	111

468	Primary structure of the human M2 mitochondrial autoantigen of primary biliary cirrhosis: dihydrolipoamide acetyltransferase. 1988 , 85, 7317-21	239
467	Potential positive and negative autoregulation of p60c-src by intermolecular autophosphorylation. 1988 , 85, 4232-6	156
466	Chicken homolog of the mos proto-oncogene. 1988 , 8, 923-9	57
465	A regulatory region responsible for proline-specific induction of the yeast PUT2 gene is adjacent to its TATA box. 1988 , 8, 4634-41	40
464	GAL11 protein, an auxiliary transcription activator for genes encoding galactose-metabolizing enzymes in <i>Saccharomyces cerevisiae</i> . 1988 , 8, 4991-9	143
463	Regulatory myosin light-chain genes of <i>Caenorhabditis elegans</i> . 1988 , 8, 5339-49	48
462	Unit-length line-1 transcripts in human teratocarcinoma cells. 1988 , 8, 1385-97	290
461	Transcription interferes with elements important for chromosome maintenance in <i>Saccharomyces cerevisiae</i> . 1988 , 8, 2184-94	149
460	Molecular cloning of the cDNA for a mutant mouse ribonucleotide reductase M1 that produces a dominant mutator phenotype in mammalian cells. 1988 , 8, 2698-704	48
459	Molecular characterization and nucleotide sequence of the <i>Pseudomonas aeruginosa</i> elastase structural gene. 1988 , 170, 4309-14	194
458	Role of a phenazine antibiotic from <i>Pseudomonas fluorescens</i> in biological control of <i>Gaeumannomyces graminis</i> var. <i>tritici</i> . 1988 , 170, 3499-508	582
457	Structure and transcription analysis of the gene encoding a cellobiase from <i>Agrobacterium</i> sp. strain ATCC 21400. 1988 , 170, 301-7	51
456	Complete nucleotide sequence of the <i>Streptomyces lividans</i> plasmid pIJ101 and correlation of the sequence with genetic properties. 1988 , 170, 4634-51	136
455	Common ancestry of <i>Escherichia coli</i> pyruvate oxidase and the acetoxy acid synthases of the branched-chain amino acid biosynthetic pathway. 1988 , 170, 3937-45	60
454	Identification and expression of genes narL and narX of the nar (nitrate reductase) locus in <i>Escherichia coli</i> K-12. 1988 , 170, 1589-97	158
453	Organization of the biosynthesis genes for the peptide antibiotic gramicidin S. 1988 , 170, 4669-74	38
452	Characterization and expression of two avirulence genes cloned from <i>Pseudomonas syringae</i> pv. <i>glycinea</i> . 1988 , 170, 4846-54	98
451	Control of <i>Vibrio fischeri</i> lux gene transcription by a cyclic AMP receptor protein-luxR protein regulatory circuit. 1988 , 170, 4040-6	111

450	Isolation, hyperexpression, and sequencing of the <i>aceA</i> gene encoding isocitrate lyase in <i>Escherichia coli</i> . 1988 , 170, 4528-36	68
449	Cloning of the gene encoding quinoprotein glucose dehydrogenase from <i>Acinetobacter calcoaceticus</i> : evidence for the presence of a second enzyme. 1988 , 170, 2121-5	60
448	Expression and mutagenesis of the regulatory subunit of cAMP-dependent protein kinase in <i>Escherichia coli</i> . 1988 , 159, 325-36	19
447	Transcription of <i>Bacillus subtilis</i> subtilisin and expression of subtilisin in sporulation mutants. 1988 , 170, 289-95	144
446	Nucleotide sequence analysis of tetracycline resistance gene <i>tetO</i> from <i>Streptococcus mutans</i> DL5. 1988 , 170, 3618-26	55
445	Translational coupling between the <i>ilvD</i> and <i>ilvA</i> genes of <i>Escherichia coli</i> . 1988 , 170, 4798-807	21
444	Cloning and expression of the <i>Mycobacterium bovis</i> BCG gene for extracellular alpha antigen. 1988 , 170, 3847-54	162
443	Cloning and expression of the <i>Vibrio cholerae</i> neuraminidase gene <i>nanH</i> in <i>Escherichia coli</i> . 1988 , 170, 1495-504	62
442	The <i>ptsH</i> , <i>ptsI</i> , and <i>crr</i> genes of the <i>Escherichia coli</i> phosphoenolpyruvate-dependent phosphotransferase system: a complex operon with several modes of transcription. 1988 , 170, 3827-37	118
441	Structure of the human ornithine transcarbamylase gene. 1988 , 103, 302-8	108
440	Rat cytosolic aspartate aminotransferase: molecular cloning of cDNA and expression in <i>Escherichia coli</i> . 1988 , 103, 797-804	27
439	Structure and complete nucleotide sequence of the gene encoding chicken cytosolic adenylate kinase. 1988 , 103, 611-7	13
438	DNA sequence of a gene cluster coding for subunits of the F0 membrane sector of ATP synthase in <i>Rhodospirillum rubrum</i> . Support for modular evolution of the F1 and F0 sectors. 1988 , 254, 109-22	87
437	Nucleotide sequence analysis and overexpression of the gene encoding a type III chloramphenicol acetyltransferase. 1988 , 252, 173-9	55
436	Nucleotide sequence of the gene encoding the GMP reductase of <i>Escherichia coli</i> K12. 1988 , 255, 35-43	39
435	High-efficiency transformation of bacterial cells by electroporation. 1988 , 170, 2796-801	205
434	<i>Acinetobacter</i> cyclohexanone monooxygenase: gene cloning and sequence determination. 1988 , 170, 781-9	153
433	Molecular cloning of a <i>Pseudomonas syringae</i> pv. <i>syringae</i> gene cluster that enables <i>Pseudomonas fluorescens</i> to elicit the hypersensitive response in tobacco plants. 1988 , 170, 4748-56	197

432	Construction and characterization of <i>Pseudomonas aeruginosa</i> protein F-deficient mutants after in vitro and in vivo insertion mutagenesis of the cloned gene. 1988 , 170, 2592-8	61
431	Structure of the human tyrosine hydroxylase gene: alternative splicing from a single gene accounts for generation of four mRNA types. 1988 , 103, 907-12	123
430	Cloning and nucleotide sequence of a gene for <i>Actinomyces naeslundii</i> WVU45 type 2 fimbriae. 1988 , 170, 3803-9	51
429	Molecular cloning of a gene encoding a 45,000-dalton polypeptide associated with bile acid 7-dehydroxylation in <i>Eubacterium</i> sp. strain VPI 12708. 1988 , 170, 611-6	22
428	Analysis of the <i>Pseudomonas solanacearum</i> polygalacturonase encoded by <i>pglA</i> and its involvement in phytopathogenicity. 1988 , 170, 4501-8	86
427	Physical and functional analyses of the <i>syrA</i> and <i>syrB</i> genes involved in syringomycin production by <i>Pseudomonas syringae</i> pv. <i>syringae</i> . 1988 , 170, 5680-8	67
426	Sequence and transcriptional start site of the <i>Pseudomonas aeruginosa</i> outer membrane porin protein F gene. 1988 , 170, 155-62	110
425	Structure of the gene encoding phosphoribosylpyrophosphate synthetase (<i>prsA</i>) in <i>Salmonella typhimurium</i> . 1988 , 170, 3243-8	41
424	Nucleotide sequence and expression in <i>Escherichia coli</i> of the <i>Pseudomonas aeruginosa</i> <i>lasA</i> gene. 1988 , 170, 2784-9	46
423	Temporally regulated tandem promoters in <i>Micromonospora echinospora</i> . 1988 , 170, 71-7	15
422	N,N'-diacetylchitobiase of <i>Vibrio harveyi</i> . 1988 , 161, 524-529	5
421	Cloning and identification of ribosomal protein genes in chloroplast DNA. 1988 , 164, 748-61	2
420	Cloning of genes for branched-chain keto acid dehydrogenase in <i>Pseudomonas putida</i> . 1988 , 166, 350-9	2
419	11 DNA Sequencing. 1988 , 253-301	2
418	Gene organization and structure of the <i>Streptomyces lividans</i> <i>gal</i> operon. 1988 , 170, 203-12	70
417	Cloning and expression in <i>Escherichia coli</i> of isopenicillin N synthetase genes from <i>Streptomyces lipmanii</i> and <i>Aspergillus nidulans</i> . 1988 , 170, 3817-26	126
416	DNA sequence of the <i>Acinetobacter calcoaceticus</i> catechol 1,2-dioxygenase I structural gene <i>catA</i> : evidence for evolutionary divergence of intradiol dioxygenases by acquisition of DNA sequence repetitions. 1988 , 170, 4874-80	101
415	Structure and regulation of genes encoding phycocyanin and allophycocyanin from <i>Anabaena variabilis</i> ATCC 29413. 1988 , 170, 1858-65	37

414	Construction of a minimum-size functional flagellin of <i>Escherichia coli</i> . 1988 , 170, 3305-9	119
413	Molecular characterization of the hemolysin determinant of <i>Serratia marcescens</i> . 1988 , 170, 3177-88	120
412	Genetics of the iron dicitrate transport system of <i>Escherichia coli</i> . 1988 , 170, 2716-24	163
411	Transposable element Tc1 of <i>Caenorhabditis elegans</i> recognizes specific target sequences for integration. 1988 , 85, 861-4	47
410	Developmental and metabolic regulation of the <i>Drosophila melanogaster</i> 3-hydroxy-3-methylglutaryl coenzyme A reductase. 1988 , 8, 2713-21	75
409	Differential expression of five tRNA(UAGTrp) amber suppressors in <i>Caenorhabditis elegans</i> . 1988 , 8, 3627-35	28
408	Secondary structure of the leader transcript from the <i>Escherichia coli</i> S10 ribosomal protein operon. 1988 , 16, 8905-24	32
407	Molecular cloning and nucleotide sequence of the nuclear PET122 gene required for expression of the mitochondrial COX3 gene in <i>S. cerevisiae</i> . 1988 , 16, 10783-802	28
406	Sigma elements are position-specific for many different yeast tRNA genes. 1988 , 16, 1499-515	54
405	Evidence for N- and C-terminal processing of a plant defense-related enzyme: Primary structure of tobacco prepro-beta-1,3-glucanase. 1988 , 85, 5541-5	181
404	Protein engineering of antibody binding sites: recovery of specific activity in an anti-digoxin single-chain Fv analogue produced in <i>Escherichia coli</i> . 1988 , 85, 5879-83	1297
403	cDNA cloning and expression of murine macrophage colony-stimulating factor from L929 cells. 1988 , 85, 6706-10	117
402	Site-directed mutagenesis in photosystem II of the cyanobacterium <i>Synechocystis</i> sp. PCC 6803: Donor D is a tyrosine residue in the D2 protein. 1988 , 85, 8477-81	254
401	Intramolecular recombination of chloroplast genome mediated by short direct-repeat sequences in wheat species. 1988 , 85, 8573-7	149
400	His-426 of the <i>Pseudomonas aeruginosa</i> exotoxin A is required for ADP-ribosylation of elongation factor II. 1988 , 85, 8880-4	36
399	DNA bending is induced in an enhancer by the DNA-binding domain of the bovine papillomavirus E2 protein. 1988 , 85, 1826-30	54
398	The lethal myospheroid gene of <i>Drosophila</i> encodes a membrane protein homologous to vertebrate integrin beta subunits. 1988 , 85, 2633-7	208
397	A Ty1 cell-type-specific regulatory sequence is a recognition element for a constitutive binding factor. 1988 , 8, 5299-309	42

396	A fetal globin gene mutation in A gamma nondeletion hereditary persistence of fetal hemoglobin increases promoter strength in a nonerythroid cell. 1988 , 8, 713-21	37
395	An electrophoretic karyotype of <i>Neurospora crassa</i> . 1988 , 8, 1469-73	253
394	Oxygen-dependent upstream activation sites of <i>Saccharomyces cerevisiae</i> cytochrome c genes are related forms of the same sequence. 1988 , 8, 2275-9	19
393	One of the tightly clustered genes of the mouse surfeit locus is a highly expressed member of a multigene family whose other members are predominantly processed pseudogenes. 1988 , 8, 3898-905	42
392	The plasmid, pBR322. 1988 , 10, 5-41	14
391	Alternative RNA products from the Ultrabithorax domain of the bithorax complex.. 1988 , 7, 435-445	76
390	The 11-1 gene of <i>Plasmodium falciparum</i> codes for distinct fast evolving repeats.. 1988 , 7, 1129-1137	48
389	Location of the targets of the hpr-97, sacU32(Hy), and sacQ36(Hy) mutations in upstream regions of the subtilisin promoter. 1988 , 170, 296-300	78
388	A transposon with an unusual arrangement of long terminal repeats in the green alga <i>Chlamydomonas reinhardtii</i> .. 1988 , 7, 1917-1927	50
387	Nucleotide sequences of chimpanzee MHC class I alleles: evidence for trans-species mode of evolution.. 1988 , 7, 2765-2774	145
386	cDNA cloning of the developmentally regulated lamin LIII of <i>Xenopus laevis</i> .. 1988 , 7, 3189-3197	76
385	VirD proteins of <i>Agrobacterium tumefaciens</i> are required for the formation of a covalent DNA-protein complex at the 5' terminus of T-strand molecules.. 1988 , 7, 4055-4062	101
384	Pilin expression in <i>Neisseria gonorrhoeae</i> is under both positive and negative transcriptional control.. 1988 , 7, 4367-4378	82
383	Cloning and expression of genes encoding pheromone-inducible antigens of <i>Enterococcus (Streptococcus) faecalis</i> . 1988 , 170, 5161-8	32
382	Biochemical and genetic analysis of hydrogen metabolism in <i>Escherichia coli</i> : the hydB gene. 1988 , 170, 5433-9	35
381	Role of the <i>Bradyrhizobium japonicum</i> ntrC gene product in differential regulation of the glutamine synthetase II gene (glnII). 1988 , 170, 5452-9	57
380	Primary structure and mapping of the hupA gene of <i>Salmonella typhimurium</i> . 1988 , 170, 5751-8	22
379	Cloning, characterization, and effects of overexpression of the <i>Escherichia coli</i> rnd gene encoding RNase D. 1988 , 170, 522-7	26

378	First committed step of lipid A biosynthesis in <i>Escherichia coli</i> : sequence of the <i>lpxA</i> gene. 1988 , 170, 1268-74	85
377	Molecular cloning and sequencing of a pectate lyase gene from <i>Yersinia pseudotuberculosis</i> . 1988 , 170, 1825-30	27
376	Expression and DNA sequence of the cloned bacteriophage T4 dCMP hydroxymethylase gene. 1988 , 170, 1994-8	5
375	The <i>lit</i> gene product which blocks bacteriophage T4 late gene expression is a membrane protein encoded by a cryptic DNA element, <i>e14</i> . 1988 , 170, 2056-62	35
374	Construction of a dihydrofolate reductase-deficient mutant of <i>Escherichia coli</i> by gene replacement. 1988 , 170, 3040-5	48
373	Complete sequence and transcriptional analysis of the <i>spo0F</i> region of the <i>Bacillus subtilis</i> chromosome. 1988 , 170, 4194-208	74
372	Molecular analysis of even-skipped mutants in <i>Drosophila</i> development. 1988 , 2, 1824-38	104
371	Cloning, sequencing, and transcriptional analysis of the <i>dnaK</i> heat shock operon of <i>Listeria monocytogenes</i> . 2000 , 5, 21-9	12
370	Membrane insertion of the bacterial signal transduction protein ToxR and requirements of transcription activation studied by modular replacement of different protein substructures. 1995 , 14, 3895-904	25
369	Activation of alpha-toxin translation in <i>Staphylococcus aureus</i> by the trans-encoded antisense RNA, RNAIII. 1995 , 14, 4569-77	169
368	Primer RNA synthesis by plasmid-specified Rep protein for initiation of ColE2 DNA replication. 1995 , 14, 5141-7	10
367	A prokaryotic potassium ion channel with two predicted transmembrane segments from <i>Streptomyces lividans</i> . 1995 , 14, 5170-8	104
366	Anaerobic transcription activation in <i>Bacillus subtilis</i> : identification of distinct FNR-dependent and -independent regulatory mechanisms. 1995 , 14, 5984-94	49
365	<i>spalt</i> encodes an evolutionarily conserved zinc finger protein of novel structure which provides homeotic gene function in the head and tail region of the <i>Drosophila</i> embryo. 1994 , 13, 168-79	86
364	Evidence of selection for protein introns in the <i>recA</i> s of pathogenic mycobacteria. 1994 , 13, 699-703	43
363	VPS21 encodes a rab5-like GTP binding protein that is required for the sorting of yeast vacuolar proteins. 1994 , 13, 1297-309	91
362	Heterodimerization of the yeast MATa1 and MAT alpha 2 proteins is mediated by two leucine zipper-like coiled-coil motifs. 1994 , 13, 1403-13	21
361	Sequence, assembly and evolution of a primordial ferredoxin from <i>Thermotoga maritima</i> . 1994 , 13, 1772-81	14

- 360 Mechanism of post-segregational killing: Sok antisense RNA interacts with Hok mRNA via its 5'-end single-stranded leader and competes with the 3'-end of Hok mRNA for binding to the mok translational initiation region. **1994**, 13, 1960-8 35
- 359 Eight genes and alternative RNA processing pathways generate an unexpectedly large diversity of cytoplasmic intermediate filament proteins in the nematode *Caenorhabditis elegans*. **1994**, 13, 2625-38 16
- 358 Isolation of high affinity human antibodies directly from large synthetic repertoires. **1994**, 13, 3245-60 182
- 357 A mutational analysis of the two motifs common to adenine methyltransferases. **1994**, 13, 3902-8 33
- 356 A *Salmonella* protein that is required for resistance to antimicrobial peptides and transport of potassium. **1994**, 13, 3964-72 54
- 355 Genetic and molecular analyses of the interaction between the flagellum-specific sigma and anti-sigma factors in *Salmonella typhimurium*. **1994**, 13, 4568-76 31
- 354 Mating type-specific cell-cell recognition of *Saccharomyces cerevisiae*: cell wall attachment and active sites of a- and alpha-agglutinin. **1994**, 13, 4737-44 42
- 353 The mechanism of the stringent control of lambda plasmid DNA replication. **1994**, 13, 5779-85 16
- 352 An ABC transporter in the mitochondrial inner membrane is required for normal growth of yeast. **1995**, 14, 188-95 55
- 351 The sequence and binding specificity of UaY, the specific regulator of the purine utilization pathway in *Aspergillus nidulans*, suggest an evolutionary relationship with the PPR1 protein of *Saccharomyces cerevisiae*. **1995**, 14, 1453-67 23
- 350 Site-specific recombination in the replication terminus region of *Escherichia coli*: functional replacement of dif. **1995**, 14, 1561-70 31
- 349 Phosphorylation switches specific for the cardiac isoform of myosin binding protein-C: a modulator of cardiac contraction?. **1995**, 14, 1952-60 171
- 348 Embryonic tissue differentiation in *Caenorhabditis elegans* requires dif-1, a gene homologous to mitochondrial solute carriers. **1995**, 14, 2307-16 11
- 347 *Escherichia coli* FtsH is a membrane-bound, ATP-dependent protease which degrades the heat-shock transcription factor sigma 32. **1995**, 14, 2551-60 137
- 346 McrB: a prokaryotic protein specifically recognizing DNA containing modified cytosine residues. **1995**, 14, 2661-9 22
- 345 The induction of manganese superoxide dismutase in response to stress in *Nicotiana glauca*. **1989**, 8, 31-8 73
- 344 A *Rhodobacter sphaeroides* puf L, M and X deletion mutant and its complementation in trans with a 5.3 kb puf operon shuttle fragment. **1989**, 8, 47-54 11
- 343 Molecular cloning of the chicken myelomonocytic growth factor (cMGF) reveals relationship to interleukin 6 and granulocyte colony stimulating factor. **1989**, 8, 175-81 30

342	Mutational analysis of a prokaryotic recombinational enhancer element with two functions. 1989 , 8, 577-85	62
341	Phase-variation of pyelonephritis-associated pili in <i>Escherichia coli</i> : evidence for transcriptional regulation. 1989 , 8, 613-20	47
340	Identification of the gene for fly non-muscle myosin heavy chain: <i>Drosophila</i> myosin heavy chains are encoded by a gene family. 1989 , 8, 913-22	22
339	The integrated conjugative plasmid pSAM2 of <i>Streptomyces ambofaciens</i> is related to temperate bacteriophages. 1989 , 8, 973-80	40
338	Mapping of <i>Digitaria</i> streak virus transcripts reveals different RNA species from the same transcription unit. 1989 , 8, 1033-9	28
337	The mammalian G protein rhoC is ADP-ribosylated by <i>Clostridium botulinum</i> exoenzyme C3 and affects actin microfilaments in Vero cells. 1989 , 8, 1087-92	141
336	Characterization of the L11, L1, L10 and L12 equivalent ribosomal protein gene cluster of the halophilic archaeobacterium <i>Halobacterium cutirubrum</i> . 1989 , 8, 1225-35	32
335	Autoregulation and multiple DNA interactions by a transcriptional regulatory protein in <i>E. coli</i> pili biogenesis. 1989 , 8, 1271-7	26
334	Transpositional behavior of the maize En/Spm element in transgenic tobacco. 1989 , 8, 1315-21	19
333	Human atrial natriuretic peptide receptor defines a new paradigm for second messenger signal transduction. 1989 , 8, 1377-84	93
332	Characterization of junD: a new member of the jun proto-oncogene family. 1989 , 8, 1433-9	144
331	Nuclear transport kinetics depend on phosphorylation-site-containing sequences flanking the karyophilic signal of the Simian virus 40 T-antigen. 1989 , 8, 1479-84	74
330	Directionality of DnaA protein/DNA interaction. Active orientation of the DnaA protein/dnaA box complex in transcription termination. 1989 , 8, 1609-13	11
329	The transition state transcription regulator abrB of <i>Bacillus subtilis</i> is a DNA binding protein. 1989 , 8, 1615-21	110
328	Isolation of dynein heavy chain cDNAs from trout testis which predict an extensive carboxyl-terminal alpha-helical coiled-coil domain. 1989 , 8, 1727-34	3
327	Structure and function of the <i>Saccharomyces cerevisiae</i> CDC2 gene encoding the large subunit of DNA polymerase III. 1989 , 8, 1849-54	101
326	A DNA binding protein that recognizes oligo(dA).oligo(dT) tracts. 1989 , 8, 1867-77	53
325	Molecular characterization of a gene of the 'EGF family' expressed in undifferentiated human NTERA2 teratocarcinoma cells. 1989 , 8, 1987-91	63

324	The unique insert of cellular and viral fms protein tyrosine kinase domains is dispensable for enzymatic and transforming activities. 1989 , 8, 2029-37	32
323	Molecular characterization of two proteins involved in the excision of the conjugative transposon Tn1545: homologies with other site-specific recombinases. 1989 , 8, 2425-33	68
322	Molecular cloning and expression of the functional gene encoding the M2 subunit of mouse ribonucleotide reductase: a new dominant marker gene. 1989 , 8, 2475-9	11
321	Structure and deduced function of the granaticin-producing polyketide synthase gene cluster of <i>Streptomyces violaceoruber</i> T02. 1989 , 8, 2717-25	58
320	Analysis of the nucleotide sequence of the <i>Streptomyces glaucescens</i> tcml genes provides key information about the enzymology of polyketide antibiotic biosynthesis. 1989 , 8, 2727-36	63
319	Characterization of the staphylococcal beta-lactamase transposon Tn552. 1989 , 8, 2761-73	39
318	Two isotocin genes are present in the white sucker <i>Catostomus commersoni</i> both lacking introns in their protein coding regions. 1989 , 8, 2873-7	5
317	Excision products of the T cell receptor gene support a progressive rearrangement model of the alpha/delta locus. 1989 , 8, 3261-70	49
316	Molecular analysis of ref(2)P, a <i>Drosophila</i> gene implicated in sigma rhabdovirus multiplication and necessary for male fertility. 1989 , 8, 3437-46	22
315	The dopamine D2 receptor: two molecular forms generated by alternative splicing. 1989 , 8, 4025-34	110
314	The unusual stability of the IS10 anti-sense RNA is critical for its function and is determined by the structure of its stem-domain. 1989 , 8, 4297-305	18
313	P22 repressor mutants deficient in co-operative binding and DNA loop formation. 1989 , 8, 4345-50	7
312	Anion transport in oocytes of <i>Xenopus laevis</i> induced by expression of mouse erythroid band 3 protein--encoding cRNA and of a cRNA derivative obtained by site-directed mutagenesis at the stilbene disulfonate binding site. 1989 , 8, 3601-9	21
311	A <i>Schizosaccharomyces pombe</i> gene that promotes sexual differentiation encodes a helix-loop-helix protein with homology to MyoD. 1993 , 12, 135-43	8
310	Translocation can drive the unfolding of a preprotein domain. 1993 , 12, 243-53	46
309	The SecA and SecY subunits of translocase are the nearest neighbors of a translocating preprotein, shielding it from phospholipids. 1993 , 12, 255-63	52
308	The <i>Escherichia coli</i> nucleoid protein H-NS functions directly as a transcriptional repressor. 1993 , 12, 1039-46	77
307	Evidence for an interaction between the CYP1(HAP1) activator and a cellular factor during heme-dependent transcriptional regulation in the yeast <i>Saccharomyces cerevisiae</i> . 1993 , 12, 1209-18	21

306	Growth phase dependence of the activation of a bacterial gene for carotenoid synthesis by blue light. 1993 , 12, 1265-75	21
305	A small diffusible signal molecule is responsible for the global control of virulence and exoenzyme production in the plant pathogen <i>Erwinia carotovora</i> . 1993 , 12, 2467-76	148
304	The TIP1 gene of <i>Saccharomyces cerevisiae</i> encodes an 80 kDa cytoplasmic protein that interacts with the cytoplasmic domain of Sec20p. 1993 , 12, 2831-40	25
303	Kettin, a large modular protein in the Z-disc of insect muscles. 1993 , 12, 2863-71	37
302	Conversion of the FhuA transport protein into a diffusion channel through the outer membrane of <i>Escherichia coli</i> . 1993 , 12, 3007-16	50
301	Salt tolerance and methionine biosynthesis in <i>Saccharomyces cerevisiae</i> involve a putative phosphatase gene. 1993 , 12, 3105-10	42
300	Autogenous transcriptional activation of a thiostrepton-induced gene in <i>Streptomyces lividans</i> . 1993 , 12, 3183-91	48
299	The heat shock cognate protein from <i>Dictyostelium</i> affects actin polymerization through interaction with the actin-binding protein cap32/34. 1993 , 12, 3763-71	15
298	Phosphorylation of KSP motifs in the C-terminal region of titin in differentiating myoblasts. 1993 , 12, 3827-34	28
297	The yeast SSS1 gene is essential for secretory protein translocation and encodes a conserved protein of the endoplasmic reticulum. 1993 , 12, 4083-93	32
296	Autogenous regulation of the EcoRII methylase gene at the transcriptional level: effect of 5-azacytidine. 1993 , 12, 4297-303	14
295	Identification of the initiation sequence for viral-strand DNA synthesis of wheat dwarf virus. 1993 , 12, 4445-52	24
294	Single sequence of a helix-loop peptide confers functional anticodon recognition on two tRNA synthetases. 1996 , 15, 1142-8	6
293	A sigma factor that modifies the circadian expression of a subset of genes in cyanobacteria. 1996 , 15, 2488-95	34
292	Homophilic adhesion of E-cadherin occurs by a co-operative two-step interaction of N-terminal domains. 1996 , 15, 3507-14	64
291	Competition between folding and glycosylation in the endoplasmic reticulum. 1996 , 15, 3538-46	18
290	Generation of new DNA binding specificity by truncation of the type IC EcoDXXI hsdS gene. 1996 , 15, 4775-83	13
289	UBA 1: an essential yeast gene encoding ubiquitin-activating enzyme. 1991 , 10, 227-36	88

288	Identification of regulatory residues of the yeast adenylyl cyclase. 1991 , 10, 349-59	3
287	Phase variation of gonococcal pili by frameshift mutation in pilC, a novel gene for pilus assembly. 1991 , 10, 477-88	110
286	The rate of nuclear cytoplasmic protein transport is determined by the casein kinase II site flanking the nuclear localization sequence of the SV40 T-antigen. 1991 , 10, 633-9	126
285	T-DNA integration: a mode of illegitimate recombination in plants. 1991 , 10, 697-704	133
284	Increased protein flexibility leads to promiscuous protein-DNA interactions in type IC restriction-modification systems. 1991 , 10, 951-7	17
283	Constitutive expression of nitrate reductase allows normal growth and development of <i>Nicotiana plumbaginifolia</i> plants. 1991 , 10, 1027-35	53
282	Exceptional codon recognition by the glutamine tRNAs in <i>Saccharomyces cerevisiae</i> . 1991 , 10, 1481-91	15
281	Characterization of the integrin alpha 8 subunit: a new integrin beta 1-associated subunit, which is prominently expressed on axons and on cells in contact with basal laminae in chick embryos. 1991 , 10, 2375-85	40
280	A new human p34 protein kinase, CDK2, identified by complementation of a <i>cdc28</i> mutation in <i>Saccharomyces cerevisiae</i> , is a homolog of <i>Xenopus</i> Eg1. 1991 , 10, 2653-9	87
279	A single base change in the acceptor stem of tRNA(3Leu) confers resistance upon <i>Escherichia coli</i> to the calmodulin inhibitor, 48/80. 1991 , 10, 3113-22	13
278	The receptor-like protein tyrosine phosphatase HPTP alpha has two active catalytic domains with distinct substrate specificities. 1991 , 10, 3231-7	33
277	Urokinase-receptor biosynthesis, mRNA level and gene transcription are increased by transforming growth factor beta 1 in human A549 lung carcinoma cells. 1991 , 10, 3399-407	19
276	Transcription from the adenovirus major late promoter uses redundant activating elements. 1991 , 10, 3439-46	14
275	The <i>Schizosaccharomyces pombe</i> <i>mam2</i> gene encodes a putative pheromone receptor which has a significant homology with the <i>Saccharomyces cerevisiae</i> Ste2 protein. 1991 , 10, 3743-51	66
274	Rolling circle replication of DNA in yeast mitochondria. 1991 , 10, 3923-9	65
273	Efficient gene transfer in <i>C.elegans</i> : extrachromosomal maintenance and integration of transforming sequences. 1991 , 10, 3959-70	1335
272	T-DNA gene 5 of <i>Agrobacterium</i> modulates auxin response by autoregulated synthesis of a growth hormone antagonist in plants. 1991 , 10, 3983-91	31
271	<i>Saccharomyces cerevisiae</i> alpha- and alpha-agglutinin: characterization of their molecular interaction. 1991 , 10, 4081-8	32

270	Mutations in TrpI binding site II that differentially affect activation of the trpBA promoter of <i>Pseudomonas aeruginosa</i> . 1991 , 10, 4137-44	15
269	Resistance to macrolides, lincosamides and streptogramin type B antibiotics due to a mutation in an rRNA operon of <i>Streptomyces ambofaciens</i> . 1988 , 7, 277-82	22
268	Targeted mutagenesis of the psbE and psbF genes blocks photosynthetic electron transport: evidence for a functional role of cytochrome b559 in photosystem II. 1988 , 7, 325-32	55
267	Alternative RNA products from the Ultrabithorax domain of the bithorax complex. 1988 , 7, 435-45	67
266	Molecular cloning of the human B cell CD20 receptor predicts a hydrophobic protein with multiple transmembrane domains. 1988 , 7, 711-7	44
265	Genetic analysis of tomato golden mosaic virus: the coat protein is not required for systemic spread or symptom development. 1988 , 7, 899-904	38
264	Primary structure of c-kit: relationship with the CSF-1/PDGF receptor kinase family--oncogenic activation of v-kit involves deletion of extracellular domain and C terminus. 1988 , 7, 1003-11	167
263	Shaker encodes a family of putative potassium channel proteins in the nervous system of <i>Drosophila</i> . 1988 , 7, 1087-96	102
262	The 11-1 gene of <i>Plasmodium falciparum</i> codes for distinct fast evolving repeats. 1988 , 7, 1129-37	13
261	A transposon with an unusual arrangement of long terminal repeats in the green alga <i>Chlamydomonas reinhardtii</i> . 1988 , 7, 1917-27	39
260	Sequence of the twist gene and nuclear localization of its protein in endomesodermal cells of early <i>Drosophila</i> embryos. 1988 , 7, 2175-83	124
259	cDNA cloning of the developmentally regulated lamin LIII of <i>Xenopus laevis</i> . 1988 , 7, 3189-97	37
258	Yeast mutants temperature-sensitive for growth after random mutagenesis of the chromosomal RAS2 gene and deletion of the RAS1 gene. 1988 , 7, 3375-83	12
257	The human Lyt-3 molecule requires CD8 for cell surface expression. 1988 , 7, 3465-70	14
256	Import of proteins into yeast mitochondria: the nuclear MAS2 gene encodes a component of the processing protease that is homologous to the MAS1-encoded subunit. 1988 , 7, 3863-71	60
255	A novel replicon occurring naturally in <i>Escherichia coli</i> is a phage-plasmid hybrid. 1988 , 7, 4005-10	5
254	A threonine to alanine exchange at position 40 of Tet repressor alters the recognition of the sixth base pair of tet operator from GC to AT. 1988 , 7, 4011-7	19
253	Gene targeting in plants. 1988 , 7, 4021-6	124

252	VirD proteins of <i>Agrobacterium tumefaciens</i> are required for the formation of a covalent DNA-protein complex at the 5' terminus of T-strand molecules. 1988 , 7, 4055-62	53
251	Organization of human immunoglobulin heavy chain diversity gene loci. 1988 , 7, 4141-50	79
250	Pilin expression in <i>Neisseria gonorrhoeae</i> is under both positive and negative transcriptional control. 1988 , 7, 4367-78	39
249	Nucleotide sequences of chimpanzee MHC class I alleles: evidence for trans-species mode of evolution. 1988 , 7, 2765-74	99
248	Involvement of <i>cdc13+</i> in mitotic control in <i>Schizosaccharomyces pombe</i> : possible interaction of the gene product with microtubules. 1988 , 7, 2321-7	96
247	Sequential order of target-recognizing domains in multispecific DNA-methyltransferases. 1988 , 7, 2601-9	49
246	Isolation of a human gene with protein sequence similarity to human and murine <i>int-1</i> and the <i>Drosophila</i> segment polarity mutant <i>wingless</i> . 1988 , 7, 1743-8	36
245	The export of the DNA replication inhibitor Microcin B17 provides immunity for the host cell. 1988 , 7, 1853-62	70
244	Interaction of a nodule specific, trans-acting factor with distinct DNA elements in the soybean leghaemoglobin <i>lbc(3)</i> 5' upstream region. 1988 , 7, 1265-71	74
243	MSS18, a yeast nuclear gene involved in the splicing of intron $\alpha 5$ beta of the mitochondrial <i>cox1</i> transcript. 1988 , 7, 1455-64	32
242	Molecular analysis of the C1-I allele from <i>Zea mays</i> : a dominant mutant of the regulatory C1 locus. 1990 , 9, 315-21	32
241	The <i>tal</i> gene undergoes chromosome translocation in T cell leukemia and potentially encodes a helix-loop-helix protein. 1990 , 9, 415-24	109
240	Ubiquitin-conjugating enzymes UBC4 and UBC5 mediate selective degradation of short-lived and abnormal proteins. 1990 , 9, 543-50	187
239	ERD1, a yeast gene required for the retention of luminal endoplasmic reticulum proteins, affects glycoprotein processing in the Golgi apparatus. 1990 , 9, 623-30	66
238	A yeast tRNA precursor containing a pre-mRNA intron is spliced via the pre-mRNA splicing mechanism. 1990 , 9, 705-9	6
237	The amino acid sequence of the CCGG recognizing DNA methyltransferase <i>M.BsuFI</i> : implications for the analysis of sequence recognition by cytosine DNA methyltransferases. 1990 , 9, 1007-13	18
236	The IS10 antisense RNA blocks ribosome binding at the transposase translation initiation site. 1990 , 9, 1267-74	33
235	Isolation of a gene encoding a novel chloroplast protein by T-DNA tagging in <i>Arabidopsis thaliana</i> . 1990 , 9, 1337-46	117

234	The regulatory gene <i>areA</i> mediating nitrogen metabolite repression in <i>Aspergillus nidulans</i> . Mutations affecting specificity of gene activation alter a loop residue of a putative zinc finger. 1990 , 9, 1355-64	181
233	The optional <i>E. coli</i> <i>prf</i> locus encodes a latent form of phage T4-induced anticodon nuclease. 1990 , 9, 1383-9	54
232	Identification of <i>ras</i> -related, YPT family genes in <i>Schizosaccharomyces pombe</i> . 1990 , 9, 1417-22	33
231	ERCC2: cDNA cloning and molecular characterization of a human nucleotide excision repair gene with high homology to yeast RAD3. 1990 , 9, 1437-47	92
230	Selective binding of ligands to beta 1, beta 2 or chimeric beta 1/beta 2-adrenergic receptors involves multiple subsites. 1990 , 9, 1471-6	9
229	Initiation of translation at a UAG stop codon in the aldolase gene of <i>Plasmodium falciparum</i> . 1990 , 9, 1645-9	4
228	Identification of the integrin binding domain of the <i>Yersinia pseudotuberculosis</i> invasin protein. 1990 , 9, 1979-89	86
227	The multifunctional peptide synthetase performing the first step of penicillin biosynthesis in <i>Penicillium chrysogenum</i> is a 421,073 dalton protein similar to <i>Bacillus brevis</i> peptide antibiotic synthetases. 1990 , 9, 2743-50	42
226	Fimbrial phase variation in <i>Bordetella pertussis</i> : a novel mechanism for transcriptional regulation. 1990 , 9, 2803-9	87
225	Programmed killing of human cells by means of an inducible clone of parvoviral genes encoding non-structural proteins. 1990 , 9, 2989-95	86
224	Expression of a yeast-derived invertase in the cell wall of tobacco and <i>Arabidopsis</i> plants leads to accumulation of carbohydrate and inhibition of photosynthesis and strongly influences growth and phenotype of transgenic tobacco plants. 1990 , 9, 3033-44	105
223	Characterization of recombinant human factor IX expressed in transgenic mice and in derived trans-immortalized hepatic cell lines. 1990 , 9, 3295-301	14
222	Site-specific recombination of the <i>tal-1</i> gene is a common occurrence in human T cell leukemia. 1990 , 9, 3343-51	79
221	Control of replication of plasmid R1: structures and sequences of the antisense RNA, CopA, required for its binding to the target RNA, CopT. 1990 , 9, 3767-75	41
220	Structure of an invertebrate gene encoding cytoplasmic intermediate filament (IF) proteins: implications for the origin and the diversification of IF proteins. 1990 , 9, 4083-94	25
219	The <i>Drosophila</i> membrane receptor Toll can function to promote cellular adhesion. 1990 , 9, 4299-306	24
218	UBC1 encodes a novel member of an essential subfamily of yeast ubiquitin-conjugating enzymes involved in protein degradation. 1990 , 9, 4535-41	56
217	Insect immunity: expression of the two major inducible antibacterial peptides, defensin and diptericin, in <i>Phormia terranova</i> . 1990 , 9, 2507-15	12

216	Glutamine synthetase genes of pea encode distinct polypeptides which are differentially expressed in leaves, roots and nodules. 1987 , 6, 1-9	82
215	Expression of the human papillomavirus type 18 E7 gene by a cassette-vector system for the transcription and translation of open reading frames in eukaryotic cells. 1987 , 6, 133-8	13
214	Identification and sequence of the gene encoding cytochrome c heme lyase in the yeast <i>Saccharomyces cerevisiae</i> . 1987 , 6, 235-41	76
213	A malaria protein exported into a new compartment within the host erythrocyte. 1987 , 6, 485-91	44
212	Altered transcription of a defective measles virus genome derived from a diseased human brain. 1987 , 6, 681-8	80
211	The product of the <i>mei3+</i> gene, expressed under control of the mating-type locus, induces meiosis and sporulation in fission yeast. 1987 , 6, 729-36	123
210	Cloning and light regulation of expression of the phycocyanin operon of the cyanobacterium <i>Anabaena</i> . 1987 , 6, 871-84	52
209	Somatic point mutations in unrearranged immunoglobulin gene segments encoding the variable region of lambda light chains. 1987 , 6, 927-32	13
208	Organization of multispecific DNA methyltransferases encoded by temperate <i>Bacillus subtilis</i> phages. 1987 , 6, 1137-42	35
207	cDNA sequences of <i>Torpedo marmorata</i> acetylcholinesterase: primary structure of the precursor of a catalytic subunit; existence of multiple 5'-untranslated regions. 1987 , 6, 1865-73	29
206	The yeast homologue of U3 snRNA. 1987 , 6, 2145-55	97
205	Structural and transcription analysis of two homologous genes for the P700 chlorophyll a-apoproteins in <i>Chlamydomonas reinhardtii</i> : evidence for in vivo trans-splicing. 1987 , 6, 2185-95	87
204	Transcriptional regulation of proliferin gene expression in response to serum in transfected mouse cells. 1987 , 6, 2281-8	12
203	Human CSF-1: gene structure and alternative splicing of mRNA precursors. 1987 , 6, 2693-8	41
202	Expression of variant von Willebrand factor (vWF) cDNA in heterologous cells: requirement of the pro-polypeptide in vWF multimer formation. 1987 , 6, 2885-90	21
201	A complex gene superfamily encodes actin in petunia. 1987 , 6, 3223-31	27
200	Rolling circle replication of single-stranded DNA plasmid pC194. 1987 , 6, 3863-9	58
199	Molecular characterization of the testis specific <i>c-abl</i> mRNA in mouse. 1987 , 6, 4041-8	31

198	A naturally occurring gene encoding the major surface antigen precursor p190 of Plasmodium falciparum lacks tripeptide repeats. 1987 , 6, 4137-42	23
197	Structure and elicitor or u.v.-light-stimulated expression of two 4-coumarate:CoA ligase genes in parsley. 1987 , 6, 1189-95	62
196	The yeast ubiquitin genes: a family of natural gene fusions. 1987 , 6, 1429-39	169
195	lac repressor forms loops with linear DNA carrying two suitably spaced lac operators. 1987 , 6, 1481-91	146
194	A new member of the prolactin-growth hormone gene family expressed in mouse placenta. 1985 , 4, 1419-23	10
193	Light chain germ-line genes and the immune response to 2-phenyloxazolone. 1985 , 4, 3439-45	23
192	Histone gene organization of fission yeast: a common upstream sequence. 1985 , 4, 3531-8	49
191	Topogenesis of microbody enzymes: a sequence comparison of the genes for the glycosomal (microbody) and cytosolic phosphoglycerate kinases of Trypanosoma brucei. 1985 , 4, 3811-7	50
190	DNA intercalators induce specific release of HMG 14, HMG 17 and other DNA-binding proteins from chicken erythrocyte chromatin. 1985 , 4, 3867-72	25
189	Recombination of constant and variable modules alters DNA sequence recognition by type IC restriction-modification enzymes. 1992 , 11, 233-40	47
188	Drosophila UbcD1 encodes a highly conserved ubiquitin-conjugating enzyme involved in selective protein degradation. 1992 , 11, 367-72	25
187	The Saccharomyces cerevisiae SEC20 gene encodes a membrane glycoprotein which is sorted by the HDEL retrieval system. 1992 , 11, 423-32	47
186	Fasciation induction by the phytopathogen Rhodococcus fascians depends upon a linear plasmid encoding a cytokinin synthase gene. 1992 , 11, 795-804	71
185	Horizontal transfer of a phosphatase gene as evidence for mosaic structure of the Salmonella genome. 1992 , 11, 1309-16	40
184	Analysis of the BiP gene and identification of an ER retention signal in Schizosaccharomyces pombe. 1992 , 11, 1583-91	32
183	A glutamate receptor channel with high affinity for domoate and kainate. 1992 , 11, 1651-6	75
182	Primary structure and functional expression of the Na/Ca,K-exchanger from bovine rod photoreceptors. 1992 , 11, 1689-95	31
181	Towards a molecular understanding of titin. 1992 , 11, 1711-6	123

180	Existence in <i>Escherichia coli</i> of a mechanism that generates 'staggered' head-to-head dimers of plasmid DNA; possible involvement of the Tn3 transposase. 1992 , 11, 1965-71	1
179	MPI1, an essential gene encoding a mitochondrial membrane protein, is possibly involved in protein import into yeast mitochondria. 1992 , 11, 3619-28	65
178	Coding from a distance: dissection of the mRNA determinants required for the incorporation of selenocysteine into protein. 1992 , 11, 3759-66	68
177	A novel and conserved salt-induced protein is an important determinant of salt tolerance in yeast. 1992 , 11, 3157-64	62
176	Genes that allow yeast cells to grow in the absence of the HDEL receptor. 1992 , 11, 4187-95	51
175	In vitro recombination and terminal elongation of RNA by Q beta replicase. 1992 , 11, 5129-35	51
174	Regulatory pathways governing modulation of fungal gene expression by a virulence-attenuating mycovirus. 1992 , 11, 4539-48	22
173	A regulatory element that mediates co-operation between a PEA3-AP-1 element and an AP-1 site is required for phorbol ester induction of urokinase enhancer activity in HepG2 hepatoma cells. 1992 , 11, 4573-82	28
172	Isolation and partial characterization of an extradiol non-haem iron dioxygenase which preferentially cleaves 3-methylcatechol. 1990 , 266, 605-9	22
171	Dietary-induced pre-translational control of rat fatty acid synthase. 1990 , 266, 793-7	17
170	Transcription of the <i>cdc2</i> cell cycle control gene of the fission yeast <i>Schizosaccharomyces pombe</i> . 1986 , 5, 369-73	32
169	Molecular cloning of the <i>c</i> locus of <i>Zea mays</i> : a locus regulating the anthocyanin pathway. 1986 , 5, 829-33	67
168	Molecular analysis of the <i>En/Spm</i> transposable element system of <i>Zea mays</i> . 1986 , 5, 835-41	102
167	Stage-specific expression of a homeo box-containing gene in the non-segmented sea urchin embryo. 1986 , 5, 925-30	15
166	Chromosome walking shows a highly homologous repetitive sequence present in all the centromere regions of fission yeast. 1986 , 5, 1011-21	108
165	Overdrive, a T-DNA transmission enhancer on the <i>A. tumefaciens</i> tumour-inducing plasmid. 1986 , 5, 1137-42	76
164	Nucleotide sequence of the coding region of the mouse <i>N-myc</i> gene. 1986 , 5, 1215-9	17
163	Full-length von Willebrand factor (vWF) cDNA encodes a highly repetitive protein considerably larger than the mature vWF subunit. 1986 , 5, 1839-47	61

162	Coordination of murine parotid secretory protein and salivary amylase expression. 1986 , 5, 1891-6	10
161	The bacteriophage T4 gene for the small subunit of ribonucleotide reductase contains an intron. 1986 , 5, 2031-6	37
160	Identification of the stable free radical tyrosine residue in ribonucleotide reductase. 1986 , 5, 2037-40	41
159	The complete nucleotide sequence of the tobacco chloroplast genome: its gene organization and expression. 1986 , 5, 2043-2049	971
158	Molecular characterization of a meiotic recombinational hotspot enhancing homologous equal crossing-over. 1986 , 5, 2123-9	32
157	Different human cervical carcinoma cell lines show similar transcription patterns of human papillomavirus type 18 early genes. 1986 , 5, 2285-92	180
156	The nucleotide sequence of the fission yeast DNA topoisomerase II gene: structural and functional relationships to other DNA topoisomerases. 1986 , 5, 2355-61	44
155	Monocot and dicot pre-mRNAs are processed with different efficiencies in transgenic tobacco. 1986 , 5, 2419-25	80
154	Excision of Ds produces waxy proteins with a range of enzymatic activities. 1986 , 5, 2427-32	54
153	Tetanus toxin: primary structure, expression in <i>E. coli</i> , and homology with botulinum toxins. 1986 , 5, 2495-502	72
152	The mouse glucocorticoid receptor: mapping of functional domains by cloning, sequencing and expression of wild-type and mutant receptor proteins. 1986 , 5, 2513-22	78
151	KIN28, a yeast split gene coding for a putative protein kinase homologous to CDC28. 1986 , 5, 2697-701	40
150	Vimentin gene: expression in human lymphocytes and in Burkitt's lymphoma cells. 1986 , 5, 2809-14	24
149	Involvement of ras in sexual differentiation but not in growth control in fission yeast. 1986 , 5, 2963-71	72
148	Evolution of biosynthetic pathways: a common ancestor for threonine synthase, threonine dehydratase and D-serine dehydratase. 1986 , 5, 3013-9	35
147	Molecular analysis of two phytohemagglutinin genes and their expression in <i>Phaseolus vulgaris</i> cv. Pinto, a lectin-deficient cultivar of the bean. 1986 , 5, 3075-82	26
146	Functional analysis of the yeast plasmid partition locus STB. 1986 , 5, 3391-9	39
145	Targeting efficiency of a mitochondrial pre-sequence is dependent on the passenger protein. 1986 , 5, 3643-50	20

144	Homology between the ran1+ gene of fission yeast and protein kinases. 1986 , 5, 3665-71	46
143	Presence of different O antigen forms in three isolates of one clone of Escherichia coli. 1994 , 138, 6-10	11
142	Comparative studies on the 5-aminolaevulinic acid dehydratases from Pisum sativum, Escherichia coli and Saccharomyces cerevisiae. 1996 , 320 (Pt 2), 401-12	11
141	Molecular characterization of the Acremonium chrysogenum cefG gene product: the native deacetylcephalosporin C acetyltransferase is not processed into subunits. 1999 , 337 (Pt 3), 379-85	7
140	Inducible gene expression of moricin, a unique antibacterial peptide from the silkworm (Bombyx mori). 1999 , 340 (Pt 1), 265-71	11
139	A single point mutation leads to an instability of the hetero-octameric structure of yeast phosphofructokinase. 1999 , 341 (Pt 1), 15-23	3
138	pgaA and pgaB encode two constitutively expressed endopolygalacturonases of Aspergillus niger. 2000 , 345 Pt 3, 637-44	18
137	Membrane pore architecture of a cytolytic toxin from Bacillus thuringiensis. 2000 , 350 Pt 1, 275-82	17
136	Probing the NADPH-binding site of Escherichia coli flavodoxin oxidoreductase. 2000 , 352 Pt 2, 257-66	7
135	The large genome segment of dsRNA bacteriophage phi6 is the key regulator in the in vitro minus and plus strand synthesis. 1995 , 1, 510-8	32
134	Identification of a mutation in the arylsulfatase A gene of a patient with adult-type metachromatic leukodystrophy. 1991 , 48, 971-8	25
133	Isolation and characterization of the CRIPTO autosomal gene and its X-linked related sequence. 1991 , 49, 555-65	36
132	Isolation and regional mapping of DNA sequences unique to human chromosome 21. 1987 , 41, 963-78	34
131	cDNA cloning and chromosomal localization (4q11-13) of a gene for statherin, a regulator of calcium in saliva. 1987 , 41, 1048-60	25
130	Molecular characterization of a mouse genomic element mobilized by advanced glycation endproduct modified-DNA (AGE-DNA). 1997 , 3, 740-9	
129	Diagnostic Screening Workflow for Mutations in the BRCA1 and BRCA2 Genes. 2015 , 15, e58-70	3
128	Detecting interactions between eukaryotic proteins in bacteria. 1992 , 2, 139-46	2
127	DNA binding by pilins and their interaction with the inner membrane platform of the DNA transporter in Thermus thermophilus. 2022 , 1864, 183818	0

126	Three orphan histidine kinases inhibit <i>Clostridioides difficile</i> sporulation.	2
125	MmpA, a Conserved Membrane Protein Required for Efficient Surface Transport of Trehalose Lipids in <i>Corynebacterineae</i> .. 2021 , 11,	0
124	A Shuttle-Vector System Allows Heterologous Gene Expression in the Thermophilic Methanogen <i>Methanothermobacter thermoautotrophicus</i> H. 2021 , e0276621	1
123	The identification of type I MADS box genes as the upstream activators of an endosperm-specific invertase inhibitor in <i>Arabidopsis</i> .. 2022 , 22, 18	1
122	DNA uptake by cell wall-deficient bacteria reveals a putative ancient macromolecule uptake mechanism.	0
121	Development and Properties of Subsp. 15 NIEG Vaccine Strain without the Gene.. 2022 , 10,	
120	Maintenance of the virulence plasmid is dependent on its repertoire and amino acid sequence of toxin:antitoxin systems.. 2022 , JB0051921	1
119	Harnessing plasmid replication mechanism to enable dynamic control of gene copy in bacteria.. 2022 , 70, 67-67	1
118	Non-equilibrium structural dynamics of supercoiled DNA plasmids exhibits asymmetrical relaxation.. 2022 ,	1
117	Identification of functional Spo0A residues critical for sporulation in <i>Clostridioides difficile</i> .	0
116	Expression of the <i>cbbLcbbS</i> and <i>cbbM</i> genes and distinct organization of the <i>cbb</i> Calvin cycle structural genes of <i>Rhodobacter capsulatus</i> . 1995 , 164, 396-405	39
115	Mutagenesis and characterization of specific residues in fatty acid ethyl ester synthase: a gene for alcohol-induced cardiomyopathy. 1998 , 180, 111-5	1
114	BW25113 Competent Cells Prepared Using a Simple Chemical Method Have Unmatched Transformation and Cloning Efficiencies.. 2022 , 13, 838698	0
113	Strategies for Successful Over-Expression of Human Membrane Transport Systems Using Bacterial Hosts: Future Perspectives.. 2022 , 23,	0
112	Implementation of a Practical Teaching Course on Protein Engineering.. 2022 , 11,	
111	Breaking the Restriction Barriers and Applying CRISPRi as a Gene Silencing Tool in .. 2022 , 10,	
110	Complete identity of the cis-asRNA <i>StfZ</i> and its influence on <i>FtsZ</i> protein level and cell division in <i>Escherichia coli</i> .	
109	Applying Sodium Carbonate Extraction Mass Spectrometry to Investigate Defects in the Mitochondrial Respiratory Chain.. 2022 , 10, 786268	2

108	The Autonomous Glycyl Radical Protein GrcA Restores Activity to Inactive Full-Length Pyruvate Formate-Lyase .. 2022 , e0007022	0
107	A Brief History of Plasmids.. 2022 , eESP00282021	3
106	The quantitative basis for the redistribution of immobile bacterial lipoproteins to division septa.. 2021 , 17, e1009756	1
105	Construction of an IS-Free ATCC 13 032 Chassis Strain and Random Mutagenesis Using the Endogenous IS Transposase.. 2021 , 9, 751334	0
104	Three Orphan Histidine Kinases Inhibit Clostridioides difficile Sporulation.. 2022 , e0010622	2
103	Development of a facile genetic transformation system for the Spanish elite rice paella genotype Bomba.. 2022 , 1	
102	Data_Sheet_1.pdf. 2020 ,	
101	Data_Sheet_1.pdf. 2019 ,	
100	Data_Sheet_1.XLSX. 2018 ,	
99	Image_1.PDF. 2018 ,	
98	Data_Sheet_1.pdf. 2020 ,	
97	Data_Sheet_2.pdf. 2020 ,	
96	Data_Sheet_1.pdf. 2020 ,	
95	Image_1.TIF. 2020 ,	
94	Image_2.TIF. 2020 ,	
93	Image_3.TIF. 2020 ,	
92	Image_4.TIF. 2020 ,	
91	Image_5.TIF. 2020 ,	

- 90 Image_6.TIF. **2020**,
- 89 Image_7.TIF. **2020**,
- 88 Data_Sheet_1.zip. **2020**,
- 87 Actin Gene Structure in Two Artemia Species, *A. franciscana* and *A. parthenogenetica*. **1996**, 43, 224-235
- 86 Generation of a stable non-reverting Leu - mutant of *Kluyveromyces lactis* by gene disruption. **1995**, 42, 734-737
- 85 Regulation of mosquitocidal toxin synthesis in *Bacillus sphaericus*. **1995**, 43, 310-314
- 84 Cloning of *Corticium rolfsii* glucoamylase cDNA and its expression in *Saccharomyces cerevisiae*. **1995**, 44, 451-458 1
- 83 Molecular analysis of the gene cluster involved in cephalosporin biosynthesis from *Lysobacter lactamgenus* YK90. **1996**, 44, 589-596
- 82 Construction of the complete rat fatty acid synthase cDNA and its expression in *Saccharomyces cerevisiae*. **1996**, 29, 219-226
- 81 Nucleotide sequence and expression of the two genes encoding D2 protein and the single gene encoding the CP43 protein of Photosystem II in the cyanobacterium *synechococcus* sp. PCC 7002. **1990**, 24, 137-50 14
- 80 DNA methylation: a historical perspective.. **2022**, 7
- 79 Mutants with Enhanced Cellobiose-Fermenting Ability from Thermotolerant *Kluyveromyces marxianus* DMKU 3-1042, Which Are Beneficial for Fermentation with Cellulosic Biomass. **2022**, 3, 232-244 0
- 78 Advancement of Computer-Aided Design Software and Simulation Tools for Nucleic Acid Nanostructures and DNA Origami. **2022**, 75-99
- 77 Catabolic Ornithine Carbamoyltransferase Activity Facilitates Growth of *Staphylococcus aureus* in Defined Medium Lacking Glucose and Arginine.. **2022**, e0039522 1
- 76 The StkSR Two-Component System Influences Colistin Resistance in *Acinetobacter baumannii*. **2022**, 10, 985 0
- 75 Role of High Mobility Group B protein HmbA, orthologue of yeast Nhp6p in *Aspergillus nidulans*.
- 74 Synthesis of Bis(indolyl)methanes via thiourea organocatalysts carrying 3,5-bis(trifluoromethyl)phenyl or 3,5-dichlorophenyl moieties. **2022**, 1264, 133209
- 73 Identification of functional Spo0A residues critical for sporulation in *Clostridioides difficile*. **2022**, 167641 2

72	Antibiotic acyldepsipeptides stimulate the <i>Streptomyces</i> Clp-ATPase/ClpP complex for accelerated proteolysis.		
71	The absence of PNPase activity in <i>Enterococcus faecalis</i> results in alterations of the bacterial cell-wall but induces high proteolytic and adhesion activities. <i>Gene</i> , 2022 , 833, 146610	3.8	0
70	Immunosuppression broadens evolutionary pathways to drug resistance and treatment failure during <i>Acinetobacter baumannii</i> pneumonia in mice. 2022 , 7, 796-809		0
69	Navigate Flying Molecular Elephants Safely to the Ground: Mass-Selective Soft Landing up to the Mega-Dalton Range by Electrospray Controlled Ion-Beam Deposition.		3
68	Engineered CRISPR/Cas9 System for Transcriptional Gene Silencing in <i>Arthrobacter</i> Species Indicates Bacterioruberin is Indispensable for Growth at Low Temperatures. 2022 , 79,		
67	Reducing metabolic burden in the PACEmid evolver system by remastering high-copy phagemid vectors.		0
66	Establishment of genetic tools for genomic DNA engineering of <i>Halomonas</i> sp. KM-1, a bacterium with potential for biochemical production. 2022 , 21,		1
65	A new bacterial tRNA enhances antibiotic production in <i>Streptomyces</i> by circumventing inefficient wobble base-pairing.		1
64	Analysis of the Plasmid-Based <i>ts</i> Allele of PA0006 Reveals Its Function in Regulation of Cell Morphology and Biosynthesis of Core Lipopolysaccharide in <i>Pseudomonas aeruginosa</i> .		0
63	PclR is a transcriptional activator of the gene that encodes the pneumococcal collagen-like protein PclA. 2022 , 12,		
62	Bacterial Competition Influences the Ability of Symbiotic Bacteria to Colonize Western Flower Thrips. 13,		0
61	Aminoglycoside-Modifying Enzymes Are Sufficient to Make <i>Pseudomonas aeruginosa</i> Clinically Resistant to Key Antibiotics. 2022 , 11, 884		1
60	Phage-free production of artificial ssDNA with <i>Escherichia coli</i> .		0
59	EasyGuide plasmids support in vivo assembly of gRNAs for CRISPR/Cas9 applications in <i>Saccharomyces cerevisiae</i> .		
58	The dynamic network of IS30 transposition pathways. 2022 , 17, e0271414		
57	AcdR protein is an activator of transcription of 1-aminocyclopropane-1-carboxylate deaminase in <i>Methylobacterium radiotolerans</i> JCM 2831. 2022 , 115, 1165-1176		
56	Characterization of <i>Treponema denticola</i> Major Surface Protein (Msp) by Deletion Analysis and Advanced Molecular Modeling.		
55	Targeting of genomic and negative-sense strands of viral RNA contributes to antiviral resistance mediated by artificial miRNAs and promotes the emergence of complex viral populations.		

54	Capacity and kinetics of light-induced cytochrome oxidation in intact cells of photosynthetic bacteria. 2022 , 12,	0
53	Genome engineering of the <i>Corynebacterium glutamicum</i> chromosome by the Extended Dual-In/Out strategy. 2022 , 200, 106555	0
52	Manipulation of viral protein production using the PCNA of halovirus Φ h1 via alternative start codon usage. 2022 , 4, 428-438	0
51	The Generation of an Artificial ATP Deficit Triggers Antibiotic Production in <i>Streptomyces lividans</i> . 2022 , 11, 1157	0
50	A Chloroplast-Localised Fluorescent Protein Enhances the Photosynthetic Action Spectrum in Green Algae. 2022 , 10, 1770	0
49	Endocytosis-like DNA uptake by cell wall-deficient bacteria. 2022 , 13,	1
48	Oligomerization state of the functional bacterial twin-arginine translocation (Tat) receptor complex. 2022 , 5,	0
47	The DNA-relaxation-dependent Off-to-On biasing of the type 1 fimbrial genetic switch requires the Fis nucleoid-associated protein.	0
46	Deciphering the Regulatory Circuits of RA3 Replication Module - Mechanisms of the Copy Number Control. 2022 , 23, 9964	0
45	VanG - and D-Ala-D-Ser -dependent peptidoglycan synthesis and vancomycin resistance in <i>Clostridioides difficile</i> .	0
44	The role of the β subunit in the photosystem of the lowest-energy phototrophs.	0
43	The role of the <i>Aspergillus nidulans</i> high mobility group B protein HmbA, the orthologue of <i>Saccharomyces cerevisiae</i> Nhp6p. 2022 , 12,	0
42	Antibiotic Acyldepsipeptides Stimulate the <i>Streptomyces</i> Clp-ATPase/ClpP Complex for Accelerated Proteolysis.	0
41	EasyGuide Plasmids Support in Vivo Assembly of gRNAs for CRISPR/Cas9 Applications in <i>Saccharomyces cerevisiae</i> .	0
40	Gut bacterial aromatic amine production: aromatic amino acid decarboxylase and its effects on peripheral serotonin production. 2022 , 14,	0
39	Negative regulation of the <i>acsA1</i> gene encoding the major acetyl-CoA synthetase by cAMP receptor protein in <i>Mycobacterium smegmatis</i> .	0
38	Complete identity and expression of StfZ, the cis-antisense RNA to the mRNA of the cell division gene <i>ftsZ</i> , in <i>Escherichia coli</i> . 13,	1
37	OxyR Positively Influences Phaseolotoxin Synthesis and Pyoverdinin Production in <i>Pseudomonas savastanoi</i> pv. <i>phaseolicola</i> NPS3121. 2022 , 10, 2123	0

36	Hypusinated eIF5A Promotes Ribosomal Frameshifting during Decoding of ODC Antizyme mRNA in <i>Saccharomyces cerevisiae</i> . 2022 , 23, 12972	0
35	Cyclodextrins and Their Polymers Affect the Lipid Membrane Permeability and Increase Levofloxacin's Antibacterial Activity In Vitro. 2022 , 14, 4476	3
34	Biomolecule-Based Optical Metamaterials: Design and Applications. 2022 , 12, 962	0
33	Engineering the native methylotrophs for the bioconversion of methanol to value-added chemicals: Current status and future perspectives. 2022 ,	0
32	Acquisition, co-option, and duplication of thertxtxin system and the emergence of virulence in <i>Kingella</i> .	0
31	The New Strategy for Studying Drug-Delivery Systems with Prolonged Release: Seven-Day In Vitro Antibacterial Action. 2022 , 27, 8026	2
30	Regulation of pSYSA defense plasmid copy number in <i>Synechocystis</i> through RNase E and a highly transcribed asRNA.	1
29	The role of the β subunit in the photosystem of the lowest-energy phototrophs. 2022 , 479, 2449-2463	1
28	Characterization of a novel theta-type replicon of indigenous plasmid pTE15 from <i>Lactobacillus reuteri</i> N16. 2022 , 22,	0
27	Dependence of Antibody Somatic Diversification on Gut-Associated Lymphoid Tissue in Rabbits. 1998 , 160, 2725-2729	17
26	Antigen-Induced Somatic Diversification of Rabbit IgH Genes: Gene Conversion and Point Mutation. 1999 , 162, 6602-6612	7
25	Gene-Gene Interactions Reduce Aminoglycoside Susceptibility of <i>Pseudomonas aeruginosa</i> through Efflux Pump-Dependent and -Independent Mechanisms. 2023 , 12, 152	0
24	The DNA relaxation-dependent OFF-to-ON biasing of the type 1 fimbrial genetic switch requires the Fis nucleoid-associated protein. 2023 , 169,	0
23	Cardiolipin synthesis in <i>Pseudomonas fluorescens</i> UM270 plays a relevant role in stimulating plant growth under salt stress. 2023 , 268, 127295	0
22	Expression of <i>Saccharomyces cerevisiae</i> RER2 Gene Encoding Cis-Prenyltransferase in <i>Trichoderma atroviride</i> Increases the Activity of Secretory Hydrolases and Enhances Antimicrobial Features. 2023 , 9, 38	0
21	Structure of the Commander endosomal trafficking complex linked to X-linked intellectual disability/Ritscher-Schinzel syndrome.	0
20	MOLECULAR GENETIC AND FUNCTIONAL ANALYSIS OF GENES INFLUENCING PYOVERDINE SYNTHESIS IN <i>PSEUDOMONAS BRASSICACEARUM</i> S-1. 2022 , 33, 83-94	0
19	Sulfate limitation increases specific pDNA yield in <i>E. coli</i> fed-batch processes.	0

18	Preceding Host History of Conjugative Resistance Plasmids Affects Intra- and Interspecific Transfer Potential from Biofilm.	○
17	FerryCalin: an engineered lipocalin protein directed against the transferrin receptor with potential for brain drug delivery.	○
16	Iteron control of oriV function in IncP-1 plasmid RK2. 2023 , 126, 102681	○
15	Development of a Transformation System for <i>Nitratireductor</i> sp..	○
14	The <i>Caenorhabditis elegans</i> innexin INX-20 regulates nociceptive behavioral sensitivity. 2023 , 223,	○
13	The oxidative stress response, in particular the <i>katY</i> gene, is temperature-regulated in <i>Yersinia pseudotuberculosis</i> .	○
12	Regulation of pSYSA defense plasmid copy number in <i>Synechocystis</i> through RNase E and a highly transcribed asRNA. 14,	○
11	Natural transformation as a tool in <i>Acinetobacter baylyi</i> : Streamlined engineering and mutational analysis. 2023 ,	○
10	Natural transformation as a tool in <i>Acinetobacter baylyi</i> : Evolution by amplification of gene copy number. 2023 ,	1
9	Tag-Free Antibody Modification Mediated by Lipoic Acid Ligase A: Application to Antibody-Drug Conjugates Production. 2023 , 8,	○
8	Transcriptome and Deletion Mutant Analyses Revealed that an RpoH Family Sigma Factor Is Essential for Photosystem Production in <i>Roseateles depolymerans</i> under Carbon Starvation. 2023 , 38, n/a	○
7	Research overview of L-DOPA production using a bacterial enzyme, tyrosine phenol-lyase. 2023 , 99, 75-101	○
6	A simple method to differentiate three classes of cholesterol-dependent cytolysins. 2023 , 207, 106696	○
5	Novel pathways converge with quorum sensing to regulate plant and insect host-specific factors in <i>Erwinia carotovora</i> .	○
4	Biocatalytic synthesis of 2'-deoxynucleotide 5'-triphosphates from bacterial genomic DNA: Proof of principle.	○
3	The 4- β -Glucanotransferase AcbQ Is Involved in Acarbose Modification in <i>Actinoplanes</i> sp. SE50/110. 2023 , 11, 848	○
2	Identifying widespread and recurrent variants of genetic parts to improve annotation of engineered DNA sequences.	○
1	Molecular Design of ⁶⁸ Ga- and ⁸⁹ Zr-Labeled Anticalin Radioligands for PET-Imaging of PSMA-Positive Tumors.	○

