CITATION REPORT List of articles citing

A complementation analysis of the restriction and modification of DNA in Escherichia coli

DOI: 10.1016/0022-2836(69)90288-5 Journal of Molecular Biology, 1969, 41, 459-72.

Source: https://exaly.com/paper-pdf/9931316/citation-report.pdf

Version: 2024-04-09

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
1895	Restriction of nonglucosylated T-even bacteriophages by prophage P1. 1969 , 39, 1-17		59
1894	The Escherichia coli B restriction endonuclease. 1969 , 195, 219-29		75
1893	Host specificity of DNA produced by Escherichia coli. XI. In vitro modification of phage fd replicative form. 1969 , 63, 556-62		34
1892	Functional analysis of host-specificity mutants in Escherichia coli. 1970 , 15, 237-50		49
1891	Host specificity of DNA produced by Escherichia coli. XII. The two restriction and modification systems of strain 15T <i>Molecular Genetics and Genomics</i> , 1970 , 108, 203-17		93
1890	Complementation analysis of temperature-sensitive host specificity mutations in Escherichia coli. Journal of Molecular Biology, 1970 , 50, 111-27	6.5	163
1889	The in vitro restriction of the replicative form of W.T. and mutant fd phage DNA. 1971 , 46, 703-10		21
1888	B. Homology in the Enterobacteriaceae Based on Intercrosses Between Species. 1971 , 53-79		15
1887	DNA modification methylase activity of Escherichia coli restriction endonucleases K and P. 1972 , 69, 31	38-41	66
1886	Restriction and modification of DNA. 1972 , 41, 447-66		267
1885	Host specificity of DNA in Haemophilus influenzae: the two restriction and modification systems in strain Ra. <i>Molecular Genetics and Genomics</i> , 1972 , 116, 11-25		13
1884	Genetics and function of DNA ligase in Escherichia coli. <i>Journal of Molecular Biology</i> , 1973 , 77, 531-47	6.5	195
1883	Hydrolysis of adenosine triphosphate accompanying inter-action between Escherichia coli B restriction endonuclease and unmodified deoxyribonucleic acid. 1973 , 331, 310-7		2
1882	Restriction endonuclease B and f1 heteroduplex DNA. 1973 , 246, 13-6		31
1881	DNA methylase induced by bacteriophage phiX174. 1973 , 70, 3773-5		9
1880	Kinetics of methylation of DNA by a restriction endonuclease from Escherichia coli B. 1974 , 71, 3810-3		64
1879	DNA modification and restriction. 1974 , 14, 1-37		225

1878	DNA restriction and modification systems in Salmonella. I. SA and SB, two Salmonella typhimurium systems determined by genes with a chromosomal location comparable to that of the Escherichia coli hsd genes. <i>Molecular Genetics and Genomics</i> , 1974 , 129, 325-37	41
1877	DNA restriction and modification systems in Salmonella. II. Genetic complementation between the K and B systems of Escherichia coli and the Salmonella typhimurium system SB, with the same chromosomal location. <i>Molecular Genetics and Genomics</i> , 1974 , 135, 51-60	26
1876	The bacteriophage P1 restriction endonuclease. <i>Journal of Molecular Biology</i> , 1974 , 89, 545-63 6.5	58
1875	DNA restriction and modification systems in Salmonella. <i>Molecular Genetics and Genomics</i> , 1975 , 139, 177-188	20
1874	Characterization of six cloned DNAs from Drosophila melanogaster, including one that contains the genes for rRNA. 1975 , 5, 149-57	125
1873	Gene 0.3 of bacteriophage T7 acts to overcome the DNA restriction system of the host. <i>Journal of Molecular Biology</i> , 1975 , 94, 283-95	183
1872	Adjacent repeating units of Xenopus laevis 5S DNA can be heterogeneous in length. 1976 , 7, 477-86	76
1871	Molecular cloning of DNA fragments produced by restriction endonucleases Sa1I and BamI. 1976 , 73, 1537-41	53
1870	A plasmid cloning vehicle allowing regulated expression of eukaryotic DNA in bacteria. 1976 , 73, 3900-4	60
1869	A general method for cloning eukaryotic structural gene sequences. 1976 , 73, 3146-50	96
1868	DNA restriction and modification systems in Salmonella. SQ, a new system derived by recombination between the SB system of Salmonella typhimurium and the SP system of Salmonella potsdam. 1976 , 95, 166-72	54
1867	Transfer of plasmid-borne beta-lactamase in Neisseria gonorrhoeae. 1977 , 12, 270-80	23
1866	Interbacterial transfer of Escherichia coliDrosophila melanogaster Recombinant plasmids. 1977 , 196, 220-1	6
1865	Cloning of the silk fibroin gene and its flanking sequences. 1977 , 74, 5363-7	84
1864	Maize chloroplast DNA fragment encoding the large subunit of ribulosebisphosphate carboxylase. 1977 , 74, 5487-91	219
1863	Translation of Drosophila melanogaster sequences in Escherichia coli. 1977 , 74, 5041-5	72
1862	A pseudogene structure in 5S DNA of Xenopus laevis. 1977 , 12, 109-20	240
1861	Cloning and characterization of a complex satellite DNA from Drosophila melanogaster. 1977 , 11, 371-81	78

1860	Synthesis of hybrid bacterial plasmids containing highly repeated satellite DNA. 1977 , 10, 509-19	116
1859	The 5S genes of Drosophila melanogaster. 1977 , 12, 1057-67	93
1858	Simian virus 40 carrying an Escherichia coli suppressor gene. <i>Journal of Molecular Biology</i> , 1977 , 112, 155-82	39
1857	The structure of cauliflower mosaic virus. I. A restriction endonuclease map of cauliflower mosaic virus DNA. 1977 , 80, 362-75	54
1856	Construction and characterization of new cloning vehicles. I. Ampicillin-resistant derivatives of the plasmid pMB9. 1977 , 2, 75-93	907
1855	A novel arrangement of the 18S and 28S sequences in a repeating unit of Drosophila melanogaster rDNA. 1977 , 10, 167-76	261
1854	Construction and restriction endonuclease mapping of hybrid plasmids containing Saccharomyces cerevisiae ribosomal DNA. <i>Molecular Genetics and Genomics</i> , 1977 , 151, 229-44	53
1853	Mapping of the resistance genes of the R plasmid NR1. <i>Molecular Genetics and Genomics</i> , 1978 , 158, 217-24	81
1852	Identification of a conjugative R plasmid in Bacteroides ochraceus capable of transfer to Escherichia coli. 1978 , 274, 181-2	34
1851	Two hybrid plasmids with D. melanogaster DNA sequences complementary to mRNA coding for the major heat shock protein. 1978 , 14, 921-9	136
1850	The genes for 18S, 5.8S and 28S ribosomal RNA of Bombyx mori are organized into tandem repeats of uniform length. 1978 , 4, 153-66	47
1849	Length and sequence heterogeneity of the histone gene repeat unit of the sea urchin, S. purpuratus. 1978 , 14, 247-57	88
1848	A novel arrangement of tandemly repeated genes at a major heat shock site in D. melanogaster. 1978 , 14, 901-19	148
1847	The synthesis and processing of the messenger RNAs specifying heavy and light chain immunoglobulins in MPC-11 cells. 1978 , 15, 1495-509	320
1846	Isolation and analysis of recombinant DNA molecules containing yeast DNA. 1978, 4, 37-49	92
1845	Regulation of gene expression by site-specific inversion. 1978 , 15, 237-44	107
1844	Deletions within E. coli plasmids carrying yeast rDNA. 1978 , 3, 135-47	31
1843	Cloning of an E. coli ribosomal RNA gene and its promoter region from lambdarifd18. 1978 , 4, 137-52	15

1842	A cloned Drosophila DNA fragment which codes for a 4 S RNA species. 1978 , 520, 539-54	6
1841	Chicken ovalbumin is synthesized and secreted by Escherichia coli. 1978 , 75, 5936-40	90
1840	Genetic recombination and complementation between bacteriophage T7 and cloned fragments of T7 DNA. 1978 , 75, 2276-80	155
1839	Hatching in the sea urchin Lytechinus pictus is accompanied by a shift in histone H4 gene activity. 1978 , 75, 4135-9	46
1838	A gene adjacent to satellite DNA in Drosophila melanogaster. 1978 , 75, 5898-902	13
1837	A bacterial clone synthesizing proinsulin. 1978 , 75, 3727-31	422
1836	Cloning of soybean leghemoglobin structural gene sequences synthesized in vitro. 1979 , 6, 3061-72	8
1835	Filter replicas and permanent collections of recombinant DNA plasmids. 1979 , 7, 2115-36	344
1834	Sequence of the gene for isoleucine tRNA1 and the surrounding region in a ribosomal RNA operon of Escherichia coli. 1979 , 6, 575-92	27
1833	Indirect and intragenic suppression of the lexA102 mutation in E. coli B/r. <i>Molecular Genetics and Genomics</i> , 1979 , 177, 129-37	19
1832	Directive segregation in the basis of colE1 plasmid incompatibility. 1979 , 281, 447-52	24
1831	Isolation of plasmid-protein complexes from Escherichia coli. 1979 , 99, 105-11	19
1830	A rapid alkaline extraction procedure for screening recombinant plasmid DNA. 1979 , 7, 1513-23	13217
1829	Analysis of Xenopus laevis globins during development and erythroid cell maturation and the construction of recombinant plasmids containing sequences derived from adult globin mRNA. 1979 , 72, 350-63	49
1828	Modification of a DNA cloning vehicle to give a high strand-separation melting temperature. 1979 , 7, 97-107	2
1827	The linkage arrangement of four rabbit beta-like globin genes. 1979 , 18, 1273-83	131
1826	Synthesis of proteins coded by plasmid vectors of pCV series (Apr, Tcr) and their recombinant derivatives (pDm) in E. coli minicells. 1979 , 7, 121-39	15
1825	Use of a cDNA library for studies on evolution and developmental expression of the chorion multigene families. 1979 , 18, 1303-16	101

1824	Changes in the abundance of polyadenylated RNA during slime mould development measured using cloned molecular hybridization probes. <i>Journal of Molecular Biology</i> , 1979 , 129, 19-35	6.5	107
1823	Investigations into the Klebsiella aerogenes pentitol operons using specialised transducing phages lambdaprbt and lambdaprbt dal. <i>Journal of Molecular Biology</i> , 1979 , 132, 435-70	6.5	18
1822	Identification of the translocatable element IS1 in a molecular chimera constructed with plasmid pBR322 DNA into which a bacteriophage MS2 DNA copy was inserted by the poly(dA).poly(dT) linker method. <i>Journal of Molecular Biology</i> , 1979 , 128, 621-32	6.5	26
1821	The nucleotide sequence recognized by the Escherichia coli K12 restriction and modification enzymes. <i>Journal of Molecular Biology</i> , 1979 , 130, 191-209	6.5	89
1820	Sequence and sequence variation within the 1.688 g/cm3 satellite DNA of Drosophila melanogaster. <i>Journal of Molecular Biology</i> , 1979 , 135, 465-81	6.5	117
1819	Different regions of a complex statellite DNA vary in size and sequence of the repeating unit. Journal of Molecular Biology, 1979 , 135, 483-500	6.5	26
1818	Cloning of yeast genes coding for glycolytic enzymes. 1979 , 68, 408-19		12
1817	A protein that preferentially binds Drosophila satellite DNA. 1979 , 76, 726-30		89
1816	Structures and mechanisms of DNA restriction and modification enzymes. 1979 , 12, 315-69		107
1815	Putative actin genes in the macronucleus of Oxytricha fallax. 1980 , 77, 5336-40		23
1815 1814			23 503
1814	Isolation and partial characterization of the Drosophila alcohol dehydrogenase gene. 1980 , 77, 5794-8 Characterization of Drosophila DNA-binding protein DB-2: demonstration of its sequence-specific		503
1814	Isolation and partial characterization of the Drosophila alcohol dehydrogenase gene. 1980 , 77, 5794-8 Characterization of Drosophila DNA-binding protein DB-2: demonstration of its sequence-specific interaction with DNA. 1980 , 77, 3773-7 Arrangement of coding and non-coding sequences in the DNA molecules coding for rRNAs in		503
1814 1813 1812	Isolation and partial characterization of the Drosophila alcohol dehydrogenase gene. 1980 , 77, 5794-8 Characterization of Drosophila DNA-binding protein DB-2: demonstration of its sequence-specific interaction with DNA. 1980 , 77, 3773-7 Arrangement of coding and non-coding sequences in the DNA molecules coding for rRNAs in Oxytricha sp. DNA of ciliated protozoa. VII. 1980 , 77, 203-15 Molecular cloning of the T4 genome; organization and expression of the frdDNA ligase region.		503 22 72
1814 1813 1812	Isolation and partial characterization of the Drosophila alcohol dehydrogenase gene. 1980, 77, 5794-8 Characterization of Drosophila DNA-binding protein DB-2: demonstration of its sequence-specific interaction with DNA. 1980, 77, 3773-7 Arrangement of coding and non-coding sequences in the DNA molecules coding for rRNAs in Oxytricha sp. DNA of ciliated protozoa. VII. 1980, 77, 203-15 Molecular cloning of the T4 genome; organization and expression of the frdDNA ligase region. Molecular Genetics and Genomics, 1980, 179, 227-39		503 22 72 45
1814 1813 1812 1811	Isolation and partial characterization of the Drosophila alcohol dehydrogenase gene. 1980, 77, 5794-8 Characterization of Drosophila DNA-binding protein DB-2: demonstration of its sequence-specific interaction with DNA. 1980, 77, 3773-7 Arrangement of coding and non-coding sequences in the DNA molecules coding for rRNAs in Oxytricha sp. DNA of ciliated protozoa. VII. 1980, 77, 203-15 Molecular cloning of the T4 genome; organization and expression of the frdDNA ligase region. <i>Molecular Genetics and Genomics</i> , 1980, 179, 227-39 The hsd (host specificity) genes of E. coli K 12. <i>Molecular Genetics and Genomics</i> , 1980, 180, 35-46 The ral gene of phage lambda. I. Identification of a non-essential gene that modulates restriction		503 22 72 45 109

1806	Satellite DNA is transcribed on lampbrush chromosomes. 1980 , 283, 686-8		98
1805	Molecular cloning and sequencing of cDNA encoding the precursor to the small subunit of chloroplast ribulose-1,5-bisphosphate carboxylase. 1980 , 287, 692-697		217
1804	A new method for the purification of DNA-binding proteins with sequence specificity. 1980 , 104, 5-11		6
1803	Recombinant plasmids carrying promoters, genes and the origin of DNA replication of the early region of bacteriophage T7. 1980 , 8, 1287-305		16
1802	Two genes for the major heat-shock protein of Drosophila melanogaster arranged as an inverted repeat. 1980 , 8, 235-52		80
1801	Repetitive DNA sequences near three human beta-type globin genes. 1980 , 8, 3319-33		37
1800	Variations in mitochondrial DNA organisation between normal and male-sterile cytoplasms of maize. 1980 , 8, 1999-2008		68
1799	Temporal regulation of herpes simplex virus type 2 transcription and characterization of virus immediate early mRNA's. 1980 , 8, 2627-45		23
1798	The expression in E. coli of synthetic repeating polymeric genes coding for poly(L-aspartyl-L-phenylalanine). 1980 , 8, 4575-92		52
1797	The ribosomal DNA of Calliphora erythrocephala; and analysis of hybrid plasmids containing ribosomal DNA. <i>Journal of Molecular Biology</i> , 1980 , 137, 349-73	6.5	43
1797 1796		6.5 6.5	43 347 ²
1796	ribosomal DNA. <i>Journal of Molecular Biology</i> , 1980 , 137, 349-73 Cloning in single-stranded bacteriophage as an aid to rapid DNA sequencing. <i>Journal of Molecular</i>		
1796	ribosomal DNA. <i>Journal of Molecular Biology</i> , 1980 , 137, 349-73 Cloning in single-stranded bacteriophage as an aid to rapid DNA sequencing. <i>Journal of Molecular Biology</i> , 1980 , 143, 161-78		3472
1796 1795	ribosomal DNA. <i>Journal of Molecular Biology</i> , 1980 , 137, 349-73 Cloning in single-stranded bacteriophage as an aid to rapid DNA sequencing. <i>Journal of Molecular Biology</i> , 1980 , 143, 161-78 A plasmid cloning vector for Kpnl-cleaved DNA. 1980 , 4, 354-6		3472
1796 1795 1794	Cloning in single-stranded bacteriophage as an aid to rapid DNA sequencing. <i>Journal of Molecular Biology</i> , 1980 , 143, 161-78 A plasmid cloning vector for Kpnl-cleaved DNA. 1980 , 4, 354-6 A molecular description of telometic heterochromatin in secale species. 1980 , 19, 545-60		347 ² 22 554
1796 1795 1794 1793	Cloning in single-stranded bacteriophage as an aid to rapid DNA sequencing. <i>Journal of Molecular Biology</i> , 1980 , 143, 161-78 A plasmid cloning vector for Kpnl-cleaved DNA. 1980 , 4, 354-6 A molecular description of telometic heterochromatin in secale species. 1980 , 19, 545-60 Restriction map of native and cloned cauliflower mosaic virus DNA. 1980 , 11, 21-31		347 ² 22 554 36
1796 1795 1794 1793 1792	ribosomal DNA. Journal of Molecular Biology, 1980, 137, 349-73 Cloning in single-stranded bacteriophage as an aid to rapid DNA sequencing. Journal of Molecular Biology, 1980, 143, 161-78 A plasmid cloning vector for Kpnl-cleaved DNA. 1980, 4, 354-6 A molecular description of telometic heterochromatin in secale species. 1980, 19, 545-60 Restriction map of native and cloned cauliflower mosaic virus DNA. 1980, 11, 21-31 Xenopus laevis histone genes: variant H1 genes are present in different clusters. 1980, 22, 807-15 Cloning of randomly sheared DNA fragments from a phi 105 lysogen of Bacillus subtilis		3472 22 554 36 60

1788	Plasmid screening at high colony density. 1980 , 10, 63-7		892
1787	Molecular analysis of the GrB mutation in Bombyx mori through the use of chorion cDNA library. 1980 , 20, 659-69		51
1786	A new high-capacity cosmid vector and its use. 1980 , 11, 271-82		85
1785	Direct repetition of a 1.2 Md DNA sequence is involved in site-specific recombination by the P1 plasmid R68. 1980 , 10, 319-28		31
1784	Restriction mapping of cDNA recombinants including the adult chicken and duck globin messenger sequences: a comparative study. 1980 , 11, 259-69		12
1783	Cloning and characterization of Paramecium mitochondrial DNA replication initiation regions. 1980 , 11, 43-52		14
1782	Chorion cDNA clones of D. melanogaster and their use in studies of sequence homology and chromosomal location of chorion genes. 1980 , 19, 915-22		52
1781	3 micron DNA - an extrachromosomal ribosomal DNA in the yeast Saccharomyces cerevisiae. 1980 , 12, 41-9		47
1780	Comparison of the early histone H4 gene sequence of Strongylocentrotus purpuratus with maternal, early, and late histone H4 mRNA sequences. 1981 , 20, 1216-23		31
1779	Transformation of E. coli using homopolymer-linked plasmid chimeras. 1981 , 655, 243-50		94
1778	Changes in the abundance of polyadenylated RNAs in development of Drosophila melanogaster analyzed with cloned DNA fragments. 1981 , 83, 62-8		19
1777	Nucleotide sequence of the cloned gene for bacteriophage T7 RNA polymerase. <i>Journal of Molecular Biology</i> , 1981 , 148, 481-5	6.5	42
1776	Characterization of a highly repetitive sequence DNA family in rat. <i>Journal of Molecular Biology</i> , 1981 , 145, 291-318	6.5	55
1775	Complexes formed between the restriction endonuclease EcoK and heteroduplex DNA. <i>Journal of Molecular Biology</i> , 1981 , 153, 425-40	6.5	35
1774	The ribosomal DNA of Calliphora erythrocephala. The cistron classes of total genomic DNA. <i>Journal of Molecular Biology</i> , 1981 , 149, 141-69	6.5	17
1773	tRNA2Lys gene clusters in Drosophila. <i>Journal of Molecular Biology</i> , 1981 , 147, 475-99	6.5	12
1772	Nucleotide sequence of terminal repeats of 412 transposable elements of Drosophila melanogaster. A similarity to proviral long terminal repeats and its implications for the mechanism of transposition. <i>Journal of Molecular Biology</i> , 1981 , 153, 897-915	6.5	81
1771	Cohesive end annealing and the helper-mediated transformation system of phage lambda. 1981 , 109, 379-90		9

(1981-1981)

1770	Crested Newts. 1981 , 33-46	2
1769	Construction and fine mapping of recombinant plasmids containing the rrnB ribosomal RNA operon of E. coli. 1981 , 6, 112-8	429
1768	Grown gall plant tumors of abnormal morphology, induced by Agrobacterium tumefaciens carrying mutated octopine Ti plasmids; analysis of T-DNA functions. 1981 , 14, 33-50	336
1767	Incompatibility properties of Col E1 and pMB1 derivative plasmids: random replication of multicopy replicons. 1981 , 23, 229-38	44
1766	Isolation of beta-globin-related genes from a human cosmid library. 1981 , 13, 227-37	287
1765	Cloning of the HIS5 gene of Saccharomyces cerevisiae by yeast transformation. 1981 , 16, 335-41	12
1764	The nucleotide sequence and protein-coding capability of the transposable element IS5. 1981, 14, 155-63	105
1763	Cloning of chicken globin cDNA in bacterial plasmids. 1981 , 13, 417-22	2
1762	Sequences of human adenovirus Ad3 and Ad7 DNAs encoding the promoter and first leader segment of late RNAs. 1981 , 13, 133-43	12
1761	The structure of the human histone genes: clustered but not tandemly repeated. 1981 , 24, 661-8	148
1760	The nucleotide sequence of the polypeptide IX gene of human adenovirus type 3. 1981 , 13, 387-94	15
1759	Molecular cloning of cDNA sequences coding for the major (beta-, gamma-, delta- and epsilon-) heat-shock polypeptides of HeLa cells. 1981 , 16, 27-34	14
1758	9 Type I Restriction Enzymes. 1981 , 14, 137-156	10
1757	The construction, identification and partial characterization of plasmids containing guinea-pig milk protein complementary DNA sequences. 1981 , 194, 989-98	23
1756	The construction and partial characterization of plasmids containing complementary DNA sequences to human calcitonin precursor polyprotein. 1981 , 199, 725-31	36
1755	Comparison between the viral transforming gene (src) of recovered avian sarcoma virus and its cellular homolog. 1981 , 1, 1024-37	54
1754	The tetracycline resistance transposons Tn1721 and Tn1771 have three 38-base-pair repeats and generate five-base-pair direct repeats. <i>Molecular Genetics and Genomics</i> , 1981 , 181, 87-94	64
1753	The target of the negative regulator of pMB1 replication overlaps with part of the repressor coding sequence. <i>Molecular Genetics and Genomics</i> , 1981 , 184, 40-5	19

1752	Vectors for cloning in cyanobacteria: construction and characterization of two recombinant plasmids capable of transformation of Escherichia coli K12 and Anacystis nidulans R2. <i>Molecular Genetics and Genomics</i> , 1981 , 184, 249-54	80
1751	Construction and characterization of a tufA-lacZ fusion coding for an E. coli EF-Tu-beta-galactosidase chimeric protein. <i>Molecular Genetics and Genomics</i> , 1981 , 184, 265-71	7
1750	Integration and excision of a plasmid in Bacillus subtilis. <i>Molecular Genetics and Genomics</i> , 1981 , 182, 99-105	9
1749	Nucleotide sequences at host-proviral junctions for mouse mammary tumour virus. 1981 , 289, 253-8	253
1748	Molecular cloning of the K1 capsular polysaccharide genes of E. coli. 1981 , 289, 696-8	97
1747	Molecular cloning of foot and mouth disease virus genome and nucleotide sequences in the structural protein genes. 1981 , 290, 800-2	46
1746	Synthesis of hepatitis B surface and core antigens in E. coli. 1981 , 291, 503-6	145
1745	In vivo consequences of plasmid topology. 1981 , 292, 380-2	101
1744	Structural complexity of defective-interfering RNAs of Semliki Forest virus as revealed by analysis of complementary DNA. 1981 , 9, 3403-17	21
1743	Plasmid vectors capable of transferring large DNA fragments to yeast. 1981 , 1, 27-36	19
1742	Persistence and expression of Marek's disease virus DNA in tumour cells and peripheral nerves	
	studied by in situ hybridization. 1981 , 57, 285-96	34
1741		34
1741 1740	Molecular cloning in plasmid pBR322 giving altered expression of the tetracycline resistance gene. 1981, 123, 187-91	
	studied by in situ hybridization. 1981 , 57, 285-96 Molecular cloning in plasmid pBR322 giving altered expression of the tetracycline resistance gene. 1981 , 123, 187-91	3
1740	Molecular cloning in plasmid pBR322 giving altered expression of the tetracycline resistance gene. 1981, 123, 187-91 Molecular analysis of the protamine multi-gene family in rainbow trout testis. 1981, 9, 1463-82 Nucleotide sequences of the joint between the L and S segments of herpes simplex virus types 1	3
1740 1739	Molecular cloning in plasmid pBR322 giving altered expression of the tetracycline resistance gene. 1981, 123, 187-91 Molecular analysis of the protamine multi-gene family in rainbow trout testis. 1981, 9, 1463-82 Nucleotide sequences of the joint between the L and S segments of herpes simplex virus types 1 and 2. 1981, 55, 315-31 Sequence heterogeneity, multiplicity, and genomic organization of alpha- and beta-tubulin genes in	3 38 208
1740 1739 1738	Molecular cloning in plasmid pBR322 giving altered expression of the tetracycline resistance gene. 1981, 123, 187-91 Molecular analysis of the protamine multi-gene family in rainbow trout testis. 1981, 9, 1463-82 Nucleotide sequences of the joint between the L and S segments of herpes simplex virus types 1 and 2. 1981, 55, 315-31 Sequence heterogeneity, multiplicity, and genomic organization of alpha- and beta-tubulin genes in sea urchins. 1981, 1, 1125-37 The atp operon: nucleotide sequence of the region encoding the alpha-subunit of Escherichia coli	3 38 208 59

1734	An intron nucleotide sequence variant in a cloned beta +-thalassaemia globin gene. 1981 , 9, 1777-88	115
1733	The analysis of the distribution of restriction endonuclease sites in repetitive DNAs. 1981 , 9, 1551-8	7
1732	Thymidine kinase deletion mutants of herpes simplex virus type 1. 1982 , 63, 277-95	87
1731	An analysis of cosmid clones of nuclear DNA from Trypanosoma brucei shows that the genes for variant surface glycoproteins are clustered in the genome. 1982 , 10, 5905-23	245
1730	Nucleotide sequences of the murine retrovirus Friend SFFVp long terminal repeats: identification of a structure with extensive dyad symmetry 5' to the TATA box. 1982 , 10, 3315-30	34
1729	Molecular cloning of seal myoglobin mRNA. 1982 , 10, 7133-44	16
1728	A cloned immunoglobulin cDNA fragment enhances transposition of IS elements into recombinant plasmids. 1982 , 10, 4525-42	4
1727	High level synthesis in Escherichia coli of the Bacillus subtilis phage phi 29 proteins p3 and p4 under the control of phage lambda PL promoter. 1982 , 10, 5773-84	31
1726	Tumor induction by Agrobacterium rhizogenes involves the transfer of plasmid DNA to the plant genome. 1982 , 79, 3193-7	192
1725	Sequences of the Escherichia coli dnaG primase gene and regulation of its expression. 1982 , 79, 4550-4	69
1724	Varicella zoster virus DNA exists as two isomers. 1982 , 79, 156-60	65
1723	Construction of poxviruses as cloning vectors: insertion of the thymidine kinase gene from herpes simplex virus into the DNA of infectious vaccinia virus. 1982 , 79, 4927-31	376
1722	Use of recombinant DNA technology to program eukaryotic cells to synthesize rat proinsulin: a rapid expression assay for cloned genes. 1982 , 79, 5798-802	62
1721	Oligonucleotide-directed mutagenesis as a general and powerful method for studies of protein function. 1982 , 79, 6409-13	185
1720	Expression of transforming region of Moloney murine sarcoma virus in Escherichia coli as a fusion protein with small tumor antigen of polyoma virus. 1982 , 79, 800-4	9
1719	Properties of a Saccharomyces cerevisiae mtDNA segment conferring high-frequency yeast transformation. 1982 , 79, 1578-82	93
1718	DNA sequences required for specific and efficient initiation of transcription at the polyoma virus early promoter. 1982 , 2, 737-51	41
1 7 17	DNA sequences affecting specific initiation of transcription in vitro from the EIII promoter of	
1717	adenovirus 2. 1982 , 79, 41-5	50

1716	Sequence of a cDNA encoding pancreatic preprosomatostatin-22. 1982 , 79, 5152-6	71
1715	In vitro transcription of the thymidine kinase gene of herpes simplex virus. 1982 , 79, 5215-9	28
1714	Clustering of spore-specific genes in Aspergillus nidulans. 1982 , 79, 5976-80	49
1713	Retrovirus long terminal repeats activate expression of coding sequences for the herpes simplex virus thymidine kinase gene. 1982 , 79, 1573-7	31
1712	Cloning and expression of a Streptomyces fradiae neomycin resistance gene in Escherichia coli. 1982 , 18, 133-41	13
1711	The nucleotide sequence of the gene encoding protein IVa2 in human adenovirus type 7. 1982 , 19, 71-80	11
1710	Cloning of the ColE3-CA38 colicin and immunity genes and identification of a plasmid region which enhances colicin production. 1982 , 19, 191-200	22
1709	Expression of the Eco RI restriction-modification system and the construction of positive-selection cloning vectors. 1982 , 20, 219-29	67
1708	The sequence specificity of endonucleases Caul and Caull isolated from chloroflexus aurantiacus. 1982 , 18, 93-6	12
1707	A Dictyostelium discoideum DNA fragment complements a Saccharomyces cerevisiae ura3 mutant. 1982 , 20, 433-39	46
1706	Cloning of the modification methylase gene of Bacillus centrosporus in Escherichia coli. 1982 , 20, 197-204	25
1705	Cloning and restriction map of the E. coli apt gene. 1982 , 19, 89-92	10
1704	Isolation of the origin of replication of the IncW-group plasmid pSa. 1982 , 20, 39-49	42
1703	Two differentially regulated mRNAs with different 5' ends encode secreted with intracellular forms of yeast invertase. 1982 , 28, 145-54	1542
1702	Investigation of the complexity of barley stripe mosaic virus RNAs with recombinant dna clones. 1982 , 120, 182-93	53
1701	Evaluation of immunological methods for detection of bovine growth hormone (BGH) produced in E. coli. 1982 , 52, 175-81	3
1700	Mendelian analysis of the organization of actin sequences in Physarum polycephalum. <i>Journal of Molecular Biology</i> , 1982 , 160, 41-57	54
1699	Multiple forms of human dihydrofolate reductase messenger RNA. Cloning and expression in Escherichia coli of their DNA coding sequence. <i>Journal of Molecular Biology</i> , 1982 , 156, 583-607	75

1698	Non-contiguous segments of the polyoma genome required in cis for DNA replication. <i>Journal of Molecular Biology</i> , 1982 , 161, 533-50	6.5	108
1697	Developmental classes and homologous families of chorion genes in Bombyx mori. <i>Journal of Molecular Biology</i> , 1982 , 157, 417-34	6.5	33
1696	Construction of a broad host range cosmid cloning vector and its use in the genetic analysis of Rhizobium mutants. 1982 , 18, 289-96		821
1695	Selective deletion of large segments of Balbiani ring DNA during molecular cloning. 1982 , 20, 169-76		13
1694	Self-splicing RNA: autoexcision and autocyclization of the ribosomal RNA intervening sequence of Tetrahymena. 1982 , 31, 147-57		1756
1693	Structural homologies among type I restriction-modification systems <i>EMBO Journal</i> , 1982 , 1, 535-539	13	54
1692	lac operon operator DNA: isolation and trimming for NMR spectroscopy. 1982 , 120, 52-8		9
1691	Reiterated DNA sequences in a mutant strain of Streptomyces glaucescens and cloning of the sequence in Escherichia coli. <i>Molecular Genetics and Genomics</i> , 1982 , 186, 106-10		36
1690	DNA sequences homologous to the T DNA region of Agrobacterium tumefaciens are present in diverse Rhizobium species. <i>Molecular Genetics and Genomics</i> , 1982 , 188, 361-369		12
1689	Units of genetic expression in the virulence region of a plant tumor-inducing plasmid of Agrobacterium tumefaciens. <i>Molecular Genetics and Genomics</i> , 1982 , 188, 418-24		58
1688	The use of selectable markers for the isolation of plant-DNA/T-DNA junction fragments in a cosmid vector. <i>Molecular Genetics and Genomics</i> , 1982 , 185, 283-289		19
1687	Trans-dominant mutation affecting restriction and modification in Escherichia coli K-12. <i>Molecular Genetics and Genomics</i> , 1982 , 187, 459-60		4
1686	Genetic analysis of the mechanism of the Salmonella phase variation site specific recombination system. <i>Molecular Genetics and Genomics</i> , 1982 , 188, 313-21		35
1685	Cloning and characterization of the Escherichia coli chromosomal region surrounding the dnaG Gene, with a correlated physical and genetic map of dnaG generated via transposon Tn5 mutagenesis. <i>Molecular Genetics and Genomics</i> , 1982 , 185, 120-8		32
1684	A bifunctional plasmid carrying the recA gene of E. coli. <i>Molecular Genetics and Genomics</i> , 1982 , 185, 397	'-403	1
1683	Cloning and expression of a Bacillus coagulans amylase gene in Escherichia coli. <i>Molecular Genetics and Genomics</i> , 1982 , 186, 507-11		120
1682	Cloning and sequence analysis of cDNA for bovine adrenal preproenkephalin. 1982 , 295, 202-6		857
1681	Cloning and sequence analysis of cDNA for porcine beta-neo-endorphin/dynorphin precursor. 1982 , 298, 245-9		726

1680	Cloning of Rhizobium meliloti nodulation genes by direct complementation of Nod[mutants. 1982 , 298, 485-488	235
1679	Primary structure of alpha-subunit precursor of Torpedo californica acetylcholine receptor deduced from cDNA sequence. 1982 , 299, 793-7	699
1678	Cloning and sequence analysis of cDNA for ovine corticotropin-releasing factor precursor. 1983 , 301, 537-40	162
1677	Cloning and sequence analysis of calf cDNA and human genomic DNA encoding alpha-subunit precursor of muscle acetylcholine receptor. 1983 , 305, 818-23	422
1676	Irradiation of circular DNA with 254 nm radiation or sensitization in the presence of Ag+: evidence for unwinding by photoproducts other than pyrimidine dimers. 1983 , 38, 259-63	12
1675	Evolution of alpha q- and beta-tubulin genes as inferred by the nucleotide sequences of sea urchin cDNA clones. 1983 , 19, 397-410	55
1674	The study of a rDNA replicator in Saccharomyces. 1983, 7, 433-8	23
1673	The detailed physical map of the temperate phage 16-3 of Rhizobium meliloti 41. <i>Molecular Genetics and Genomics</i> , 1983 , 191, 430-3	13
1672	Expression of a neomycin phosphotransferase gene from Streptomyces fradiae in Escherichia coli after interplasmidic recombination. <i>Molecular Genetics and Genomics</i> , 1983 , 189, 27-33	16
1671	Regulation of the rpsU-dnaG-rpoD macromolecular synthesis operon and the initiation of DNA replication in Escherichia coli K-12. <i>Molecular Genetics and Genomics</i> , 1983 , 189, 48-57	69
1670	Tn1525, a kanamycin R determinant flanked by two direct copies of IS15. <i>Molecular Genetics and Genomics</i> , 1983 , 189, 90-101	24
1669	IS15, a new insertion sequence widely spread in R plasmids of gram-negative bacteria. <i>Molecular Genetics and Genomics</i> , 1983 , 189, 102-12	28
1668	DNA sequence divergence in the Drosophila virilis group. 1983 , 88, 109-15	10
1667	A comparison of the origin of replication of pSa with R6K. <i>Molecular Genetics and Genomics</i> , 1983 , 192, 32-8	14
1666	Genetic analysis of the streptomycin resistance encoded by Tn5. <i>Molecular Genetics and Genomics</i> , 1983 , 192, 155-162	32
1665	An analysis of the boundaries of the octopine TL-DNA in tumors induced by Agrobacterium tumefaciens. <i>Molecular Genetics and Genomics</i> , 1983 , 190, 35-41	71
1664	Molecular cloning of bacteriophage PRD1 genomic fragments. <i>Molecular Genetics and Genomics</i> , 1983 , 190, 233-6	30
1663	Establishment of a physical and genetic map for bacteriophage PRD1. <i>Molecular Genetics and Genomics</i> , 1983 , 190, 237-44	33

1662	Interchangeability of repressors for the control of the uxu and uid operons in E. coli K12. <i>Molecular Genetics and Genomics</i> , 1983 , 191, 263-70	16
1661	Isolation and characterization of yeast DNA repair genes: II. Isolation of plasmids that complement the mutations rad50-1, rad51-1, rad54-3, and rad55-3. 1983 , 7, 93-100	41
1660	DNA insertions which affect the expression of the yeast iso-2-cytochrome c gene. 1983 , 7, 117-22	11
1659	Polymorphisms in DNA of Coprinus cinereus. 1983 , 7, 385-92	74
1658	Molecular cloning and nucleotide sequence of the type I beta-lactamase gene from Bacillus cereus. 1983 , 11, 4997-5004	49
1657	Eviction and transplacement of mutant genes in yeast. 1983 , 101, 211-28	281
1656	Cloning and expression in Escherichia coli of the gene coding for the protein linked to the ends of Bacillus subtilis phage phi 29 DNA. 1983 , 21, 65-76	25
1655	Cloning and expression of a p-aminobenzoic acid synthetase gene of the candicidin-producing Streptomyces griseus. 1983 , 25, 119-32	69
1654	The nucleotide sequence of the genes encoded in early region 2b of human adenovirus type 7. 1983 , 21, 145-59	25
1653	Gene fusion vectors based on the gene for staphylococcal protein A. 1983 , 23, 369-78	124
1652	Selection of rat genomic clones transcribed into brain polysomal RNA. 1983 , 24, 237-44	3
1651	Molecular cloning and expression in Escherichia coli of two modification methylase genes of Bacillus subtilis. 1983 , 21, 111-9	43
1650	Cloning and expression of the Escherichia coli recA gene in Bacillus subtilis. 1983, 25, 301-8	52
1649	Isolation of the beta-tubulin gene from yeast and demonstration of its essential function in vivo. 1983 , 33, 211-9	408
1648	Structure of the plasmodium knowlesi gene coding for the circumsporozoite protein. 1983 , 34, 815-22	197
1647	Cloning of the promoters of an Escherichia coli rRNA gene. New experimental system to study the regulation of rRNA transcription. 1983 , 22, 191-201	14
46.16	Aphid transmission and a polypeptide are specified by a defined region of the cauliflower mosaic virus genome. 1983 , 23, 15-23	103
1646		

1644	Molecular identification and isolation of the Waxy locus in maize. 1983, 35, 225-33		714
1643	Isolation and characterization of human actin genes cloned in phage lambda vectors. 1983 , 21, 9-17		26
1642	Clone banks of cDNA from the parasite Schistosoma mansoni: isolation of clones containing a potentially immunodiagnostic antigen gene. 1983 , 26, 25-39		48
1641	Transposition of DNA fragments flanked by two inverted Tn1 sequences: translocation of the plasmid RP4::Tn1 region harboring the Tcr marker. 1983 , 22, 237-43		4
1640	A short nucleotide sequence required for regulation of HIS4 by the general control system of yeast. 1983 , 32, 89-98		293
1639	Yeast H3 and H4 histone messenger RNAs are transcribed from two non-allelic gene sets. <i>Journal of Molecular Biology</i> , 1983 , 169, 641-61	6.5	79
1638	Organization and evolution of repeated DNA sequences in closely related plant genomes. <i>Journal of Molecular Biology</i> , 1983 , 170, 803-26	6.5	51
1637	Tandemly repeated DNA sequences from Xenopus laevis. I. Studies on sequence organization and variation in satellite 1 DNA (741 base-pair repeat). <i>Journal of Molecular Biology</i> , 1983 , 165, 567-85	6.5	59
1636	Tandemly repeated DNA sequences from Xenopus laevis. II. Dispersed clusters of a 388 base-pair repeating unit. <i>Journal of Molecular Biology</i> , 1983 , 165, 587-97	6.5	20
1635	Studies on transformation of Escherichia coli with plasmids. <i>Journal of Molecular Biology</i> , 1983 , 166, 55	57 - 89	9497
1635 1634	Synthesis of yeast histone 3 in an Escherichia coli cell-free system. Journal of Molecular Riology	6.5	9497
	Synthesis of yeast histone 3 in an Escherichia coli cell-free system. <i>Journal of Molecular Biology</i> , 1983 , 168, 489-503		
1634	Synthesis of yeast histone 3 in an Escherichia coli cell-free system. <i>Journal of Molecular Biology</i> , 1983 , 168, 489-503	6.5	5
1634 1633	Synthesis of yeast histone 3 in an Escherichia coli cell-free system. <i>Journal of Molecular Biology</i> , 1983 , 168, 489-503 Y chromosomal DNA of Drosophila hydei. <i>Journal of Molecular Biology</i> , 1983 , 167, 37-56 Sequence diversity among related genes for recognition of specific targets in DNA molecules.	6.5	5
1634 1633 1632	Synthesis of yeast histone 3 in an Escherichia coli cell-free system. <i>Journal of Molecular Biology</i> , 1983, 168, 489-503 Y chromosomal DNA of Drosophila hydei. <i>Journal of Molecular Biology</i> , 1983, 167, 37-56 Sequence diversity among related genes for recognition of specific targets in DNA molecules. <i>Journal of Molecular Biology</i> , 1983, 166, 1-19 Structure of the Bacillus sphaericus R modification methylase gene. <i>Journal of Molecular Biology</i> ,	6.5 6.5	5 38 463
1634 1633 1632	Synthesis of yeast histone 3 in an Escherichia coli cell-free system. <i>Journal of Molecular Biology</i> , 1983, 168, 489-503 Y chromosomal DNA of Drosophila hydei. <i>Journal of Molecular Biology</i> , 1983, 167, 37-56 Sequence diversity among related genes for recognition of specific targets in DNA molecules. <i>Journal of Molecular Biology</i> , 1983, 166, 1-19 Structure of the Bacillus sphaericus R modification methylase gene. <i>Journal of Molecular Biology</i> , 1983, 170, 597-610 A third defective lambdoid prophage of Escherichia coli K12 defined by the lambda derivative,	6.5 6.5 6.5	5 38 463 67
1634 1633 1632 1631	Synthesis of yeast histone 3 in an Escherichia coli cell-free system. <i>Journal of Molecular Biology</i> , 1983, 168, 489-503 Y chromosomal DNA of Drosophila hydei. <i>Journal of Molecular Biology</i> , 1983, 167, 37-56 Sequence diversity among related genes for recognition of specific targets in DNA molecules. <i>Journal of Molecular Biology</i> , 1983, 166, 1-19 Structure of the Bacillus sphaericus R modification methylase gene. <i>Journal of Molecular Biology</i> , 1983, 170, 597-610 A third defective lambdoid prophage of Escherichia coli K12 defined by the lambda derivative, lambdaqin111. <i>Journal of Molecular Biology</i> , 1983, 170, 611-33 Spontaneous deletions of the chromosome-mobilizing plasmid R68.45 in Pseudomonas aeruginosa	6.5 6.5 6.5	5384636729

	1626	Isolation of a functional exuR-repressor-beta-galactosidase hybrid protein by use of in vitro gene fusions. 1983 , 25, 9-20	5
:	1625	A general method for polyethylene-glycol-induced genetic transformation of bacteria and yeast. 1983 , 25, 333-41	460
	1624	Bacillus cereus 569/H beta-lactamase I: cloning in Escherichia coli and signal sequence determination. 1983 , 161, 195-200	24
:	1623	Cloning of interleukin 2 mRNAs from human tonsils. 1983 , 115, 1040-7	32
	1622	Characterization of Two Cel (Cellulose Degradation) Genes of Clostridium Thermocellum Coding for Endoglucanases. 1983 , 1, 589-594	64
:	1621	Heteroduplex analysis of cloned fragments of herpes simplex virus DNAs. 1983 , 124, 86-99	17
	1620	The isolation and characterization of the Escherichia coli DNA adenine methylase (dam) gene. 1983 , 11, 837-51	165
	1619	Susceptible Escherichia coli cells can actively excrete tetracyclines. 1983 , 24, 544-51	24
	1618	Citrate synthase activity in Escherichia coli harbouring hybrid plasmids containing the gltA gene. 1983 , 129, 1889-97	8
	1617	Physical Mapping and Molecular Cloning of Caulimovirus DNA. 1983 , 64, 2281-2288	12
	1616	The independent evolution of two closely related satellite DNA elements in rats (Rattus). 1983 , 11, 291-304	19
	1615	Localization of a Plasmodium surface antigen epitope by Tn5 mutagenesis mapping of a recombinant cDNA clone. 1983 , 220, 1285-8	12
	1614	Biological Limitations on the Length of Highly Repetitive DNA Sequences that May be Stably Maintained within Plasmid Replicons in Escherichia coli. 1983 , 1, 602-609	7
:	1613	Construction and Characterization of a Versatile Broad Host Range DNA Cloning System for Gram Degative Bacteria. 1983 , 1, 269-275	32
	1612	An improved positive selection plasmid vector constructed by oligonucleotide mediated mutagenesis. 1983 , 11, 8019-30	147
	1611	Localization of the hsp83 transcript within a 3292 nucleotide sequence from the 63B heat shock locus of D. melanogaster. 1983 , 11, 7011-30	106
	1610	Initiation of phage phi 29 DNA replication by the terminal protein modified at the carboxyl end. 1983 , 11, 7397-407	17
	1609	Structural and evolutionary analysis of the two chimpanzee alpha-globin mRNAs. 1983 , 11, 8915-29	38

1608	Expression of human interferon genes using the recA promoter of Escherichia coli. 1983, 11, 2927-41	25
1607	The major heat-shock protein (hsp70) gene family: related sequences in mouse, Drosophila, and yeast. 1983 , 61, 488-99	31
1606	A perfectly symmetric lac operator binds the lac repressor very tightly. 1983 , 80, 6785-9	237
1605	Modulator sequences mediate oxygen regulation of CYC1 and a neighboring gene in yeast. 1983 , 80, 151-5	100
1604	Construction of a Rhizobium japonicum gene bank and use in isolation of a hydrogen uptake gene. 1983 , 80, 181-5	70
1603	Synthesis of calf prochymosin (prorennin) in Escherichia coli. 1983 , 80, 3671-5	140
1602	Primary structure of the M subunit of the reaction center from Rhodopseudomonas sphaeroides. 1983 , 80, 6505-9	196
1601	Cloning of abundant mRNA species present during conjugation of Tetrahymena thermophila: identification of mRNA species present exclusively during meiosis. 1983 , 3, 1857-65	70
1600	A DNA-binding protein from Ustilago maydis prefers duplex DNA without chain interruptions. 1983 , 3, 605-12	2
1599	Structure of amplified DNA in different Syrian hamster cell lines resistant to N-(phosphonacetyl)-L-aspartate. 1983 , 3, 2076-88	84
1598	Retrovirus transduction: segregation of the viral transforming function and the herpes simplex virus tk gene in infectious Friend spleen focus-forming virus thymidine kinase vectors. 1983 , 3, 2191-202	40
1597	Gene for staphylococcal protein A. 1983 , 80, 697-701	195
1596	Inhibition of Micrococcus luteus DNA topoisomerase I by UV photoproducts. 1983 , 80, 1787-91	32
1595	Developmental regulation of the Aspergillus nidulans trpC gene. 1983 , 80, 7576-80	79
1594	Retrovirus transduction: generation of infectious retroviruses expressing dominant and selectable genes is associated with in vivo recombination and deletion events. 1983 , 3, 2180-90	62
1593	Primary structures of bovine liver low molecular weight kininogen precursors and their two mRNAs. 1983 , 80, 90-4	69
1592	An integrated and simplified approach to cloning into plasmids and single-stranded phages. 1983 , 101, 78-89	194
1591	Analysis of Escherichia coli ATP synthase subunits by DNA and protein sequencing. 1983 , 97, 195-218	14

1590	Dynamics of cruciform extrusion in supercoiled DNA: use of a synthetic inverted repeat to study conformational populations <i>EMBO Journal</i> , 1983 , 2, 527-533	13	31
1589	Intergeneric transfer and exchange recombination of restriction fragments cloned in pBR322: a novel strategy for the reversed genetics of the Ti plasmids of Agrobacterium tumefaciens <i>EMBO Journal</i> , 1983 , 2, 411-417	13	245
1588	Molecular lesions associated with white gene mutations induced by I-R hybrid dysgenesis in Drosophila melanogaster. <i>EMBO Journal</i> , 1984 , 3, 3079-3085	13	26
1587	The Schizosaccharomyces pombe sup3-i suppressor recognizes ochre, but not amber codons in vitro and in vivo <i>EMBO Journal</i> , 1984 , 3, 423-428	13	12
1586	Mapping of the protein-coding regions of Rhizobium meliloti common nodulation genes. <i>EMBO Journal</i> , 1984 , 3, 1705-1711	13	43
1585	Cloning of the RNA2 gene of Saccharomyces cerevisiae <i>EMBO Journal</i> , 1984 , 3, 2825-2830	13	16
1584	Genes of pyelonephritogenic E. coli required for digalactoside-specific agglutination of human cells <i>EMBO Journal</i> , 1984 , 3, 1167-1173	13	151
1583	Mutations in E coli cistrons affecting adhesion to human cells do not abolish Pap pili fiber formation <i>EMBO Journal</i> , 1984 , 3, 1159-1165	13	114
1582	Construction of mutants of Moloney murine leukemia virus by suppressor-linker insertional mutagenesis: positions of viable insertion mutations. 1984 , 81, 4149-53		53
1581	Chloroplast-coded atrazine resistance in Solanum nigrum: psbA loci from susceptible and resistant biotypes are isogenic except for a single codon change. 1984 , 12, 9489-96		110
1580	Composite human VK genes and a model of their evolution. 1984 , 12, 5249-63		70
1579	The nucleotide sequence of the chicken thymidine kinase gene and the relationship of its predicted polypeptide to that of the vaccinia virus thymidine kinase. 1984 , 12, 3959-71		74
1578	Inhibition of polyoma DNA synthesis by base pair substitutions at the replication origin. 1984 , 12, 7503	-515	14
1577	Site-specificity of abnormal excision: the mechanism of formation of a specialized transducing bacteriophage lambda plac5. 1984 , 12, 6779-95		4
1576	Codon usage can affect efficiency of translation of genes in Escherichia coli. 1984 , 12, 6663-71		271
1575	Restriction Endonuclease Map of pTi Bo542, a Potential Ti Plasmid Vector for Genetic Engineering of Plants. 1984 , 2, 702-709		43
1574	Microfiltration Culture Process for Enhanced Production of rDNA Receptor Cells of Escherichia Coli. 1984 , 2, 891-896		6
1573	Structure of the gene coding for the sequence-specific DNA-methyltransferase of the B. subtilis phage SPR. 1984 , 12, 9039-49		53

1572	Characterization of an Endogenous Plasmid and Development of Cloning Vectors and a Transformation System in Brevibacterium lactofermentum. 1984 , 130, 2237-2246	7
1571	Tandemly arranged variant 5S ribosomal RNA genes in the yeast Saccharomyces cerevisiae. 1984 , 12, 8001-16	27
1570	Expression of the mouse dihydrofolate reductase cDNA in B. subtilis: a system to select mutant cDNAs coding for methotrexate resistant enzymes. 1984 , 12, 3585-601	11
1569	Different restriction enzyme-generated sticky DNA ends can be joined in vitro. 1984 , 12, 1863-74	39
1568	The 5'-limit of transposition and upstream barren region of a trypanosome VSG gene: tandem 76 base-pair repeats flanking (TAA)90. 1984 , 12, 2759-74	115
1567	The interaction of a topoisomerase-like enzyme from herpes simplex virus type 1-infected cells with non-viral circular DNA. 1984 , 65 (Pt 8), 1341-50	12
1566	Expression of a Drosophila heat-shock gene in cells of the yeast Saccharomyces cerevisiae. 1984 , 4, 963-72	4
1565	Synthesis in yeast of a functional oxidation-resistant mutant of human alpha-antitrypsin. 1984 , 312, 77-80	204
1564	Primary structure of Electrophorus electricus sodium channel deduced from cDNA sequence. 1984 , 312, 121-7	1173
1563	Characterization and cloning of extrachromosomal DNA from filamentous cyanobacteria. 1984 , 21, 225-231	13
1562	Cloning of a thermostable <code>H-amylase</code> gene fromBacillus licheniformisand its expression inEscherichia coliandBacillus subtilis. 1984 , 21, 353-358	16
1561	Physical map of the bacteriophage L (Salmonella typhimurium). 1984 , 25, 117-120	2
1560	Region X, the cell-wall-attachment part of staphylococcal protein A. 1984 , 138, 413-20	131
1559	Tissue distribution of messenger RNAs coding for opioid peptide precursors and related RNA. 1984 , 142, 441-7	52
1558	Primary structure of gamma subunit precursor of calf-muscle acetylcholine receptor deduced from the cDNA sequence. 1984 , 143, 109-15	75
		_
1557	Primary structure of beta subunit precursor of calf muscle acetylcholine receptor deduced from cDNA sequence. 1984 , 144, 11-7	68
1557 1556		68 46

1554	Primer-directed mutagenesis of linearized plasmids. 1984 , 143, 341-9		9
1553	Bildung von Oligomeren des Plasmids pBR322 in Abhägigkeit von der Tetracyklinkonzentration. 1984 , 24, 119-124		
1552	Cloning of theILV2, ILV3 andILV5 genes of Saccharomyces cerevisiae. 1984 , 49, 577-584		27
1551	A DNA sequence from Dictyostelium discoideum complements ura3 and ura5 mutations of Saccharomyces cerevisiae. <i>Molecular Genetics and Genomics</i> , 1984 , 193, 406-13		32
1550	Cloning and mapping of the RAD50 gene of Saccharomyces cerevisiae. <i>Molecular Genetics and Genomics</i> , 1984 , 193, 525-31		21
1549	Control of Herpes simplex virus thymidine kinase gene expression in Saccharomyces cerevisiae by a yeast promoter sequence. <i>Molecular Genetics and Genomics</i> , 1984 , 194, 31-41		10
1548	IS8- and Tn2353-mediated cointegration of the plasmids R15 and RP4::Tn1. <i>Molecular Genetics and Genomics</i> , 1984 , 194, 206-10		3
1547	Genetic analysis of the individual T-DNA genes of Agrobacterium tumefaciens; further evidence that two genes are involved in indole-3-acetic acid synthesis. <i>Molecular Genetics and Genomics</i> , 1984 , 194, 265-274		187
1546	Cloning and integrative deletion of the RAD6 gene of Saccharomyces cerevisiae. 1984 , 8, 559-66		32
1545	Construction of a gene bank of Rhodopseudomonas capsulata using a broad host range DNA cloning system. <i>Archives of Microbiology</i> , 1984 , 139, 319-25	3	55
1544	Mutants of Rhodopseudomonas sphaeroides useful in genetic analysis. <i>Archives of Microbiology</i> , 1984 , 138, 161-165	3	26
1543	Physical mapping, nucleotide sequencing and expression in E. coli minicells of the gene for the large subunit of ribulose bisphosphate carboxylase from Petunia hybrida. 1984 , 8, 231-41		20
1542	Expression of the cloned endo-1,3-1,4-III-glucanase gene of Bacillus subtilis in Saccharomyces cerevisiae. 1984 , 8, 471-5		40
1541	Expression of a streptokinase gene from Streptococcus equisimilis in Streptococcus sanguis. <i>Molecular Genetics and Genomics</i> , 1984 , 196, 360-3		29
1540	The DNA sequnce of the transposable element Ac of Zea mays L <i>Molecular Genetics and Genomics</i> , 1984 , 198, 19-24		121
1539	Transposon Tn5 mutagenesis of genes for the photosynthetic apparatus in Rhodopseudomonas capsulata. <i>Molecular Genetics and Genomics</i> , 1984 , 198, 153-158		39
1538	Molecular cloning with bifunctional plasmid vectors in Bacillus subtilis. I. Construction and analysis of B. subtilis clone banks in Escherichia coli. <i>Molecular Genetics and Genomics</i> , 1984 , 193, 299-305		26
1537	Cloning and organisation of some genes for nitrogen fixation from Azotobacter chroococcum and their expression in Klebsiella pneumoniae. <i>Molecular Genetics and Genomics</i> , 1984 , 197, 318-27		45

1536	Behaviour of the transposons Tn5 and Tn7 in Xanthomonas campestris pv. campestris. <i>Molecular Genetics and Genomics</i> , 1984 , 195, 101-107	126
1535	Cloning and expression of the structural gene for beta-glucosidase of Kluyveromyces fragilis in Escherichia coli and Saccharomyces cerevisiae. <i>Molecular Genetics and Genomics</i> , 1984 , 195, 108-15	49
1534	DNA sequence heterogeneity in the genes of T-even type Escherichia coli phages encoding the receptor recognizing protein of the long tail fibers. <i>Molecular Genetics and Genomics</i> , 1984 , 195, 144-52	27
1533	Molecular cloning and characterisation of the gua regulatory region of Escherichia coli K12. <i>Molecular Genetics and Genomics</i> , 1984 , 195, 238-45	7
1532	Molecular cloning and genetic mapping of the PET494 gene of Saccharomyces cerevisiae. <i>Molecular Genetics and Genomics</i> , 1984 , 195, 275-80	21
1531	Promotion, termination, and anti-termination in the rpsU-dnaG-rpoD macromolecular synthesis operon of E. coli K-12. <i>Molecular Genetics and Genomics</i> , 1984 , 195, 391-401	91
1530	Functional substitution of the recE gene of Bacillus subtilis by the recA gene of Proteus mirabilis. <i>Molecular Genetics and Genomics</i> , 1984 , 195, 516-22	5
1529	Lambda red-dependent growth and recombination of phage P22. 1984 , 134, 161-7	59
1528	Bacteriophage P1 carries two related sets of genes determining its host range in the invertible C segment of its genome. 1984 , 134, 421-34	61
1527	Molecular analysis of a developmentally regulated gene which is expressed in the larval salivary gland of Drosophila. 1984 , 102, 462-70	24
1526	Nucleotide sequence of the transposable element IS15. 1984 , 30, 113-20	39
1525	Expression of Herpes simplex virus type 1 glycoprotein C antigens in Escherichia coli. 1984 , 32, 203-15	22
1524	Isolation of a DNA fragment that is expressed as an amber suppressor when present in high copy number in yeast. 1984 , 29, 69-76	22
1523	Expression of human dihydrofolate reductase cDNA and its induction by chloramphenicol in Bacillus subtilis. 1984 , 30, 69-77	3
1522	Plasmid vectors for the selection of promoters. 1984 , 27, 151-60	422
1521	Specificity of Tn5 insertions into a 36-bp DNA sequence repeated in tandem seven times. 1984 , 30, 99-106	17
1520	Structure of the growing telomeres of Trypanosomes. 1984 , 36, 459-68	224
1519	Two modules from the hypersuppressive rho- mitochondrial DNA are required for plasmid replication in yeast. 1984 , 30, 47-61	25

1518	Plasmids containing multiple copies of cloned DNA for use as DNA size markers for gel electrophoresis, constructed by bacteriophage T4 transduction. 1984 , 11, 82-91		7	
1517	Overproduction of transcription termination factor Rho in Escherichia coli. 1984 , 29, 199-209		36	
1516	P1 plasmid replication: replicon structure. <i>Journal of Molecular Biology</i> , 1984 , 173, 307-24	6.5	189	
1515	Human dihydrofolate reductase gene organization. Extensive conservation of the G + C-rich 5' non-coding sequence and strong intron size divergence from homologous mammalian genes. <i>Journal of Molecular Biology</i> , 1984 , 176, 169-87	6.5	95	
1514	Structure and regulated expression of the SpoC1 gene cluster from Aspergillus nidulans. <i>Journal of Molecular Biology</i> , 1984 , 180, 91-109	6.5	42	
1513	The molecular basis of I-R hybrid dysgenesis in Drosophila melanogaster: identification, cloning, and properties of the I factor. 1984 , 38, 153-63		256	
1512	Regulated high-level expression of the Herpes simplex type I thymidine kinase gene in Escherichia coli. 1984 , 32, 117-28		9	
1511	Overlapping stage-specific sets of numerous small collagenous polypeptides are translated in vitro from Caenorhabditis elegans RNA. 1984 , 37, 853-60		31	
1510	The SPT3 gene is required for normal transcription of Ty elements in S. cerevisiae. 1984 , 39, 675-82		202	
1509	Stability of recombinant plasmids containing the ars sequence of yeast extrachromosomal rDNA in several strains of Saccharomyces cerevisiae. 1984 , 28, 229-35		26	
1508	Purification of Calf Prochymosin (Prorennin) Synthesized in Escherichia Coli. 1984 , 2, 800-804		114	
1507	Rare internal C4A4 repeats in the micronuclear genome of Oxytricha fallax. 1984 , 4, 2661-7		24	
1506	The structure of the human tissue-type plasminogen activator gene: correlation of intron and exon structures to functional and structural domains. 1984 , 81, 5355-9		272	
1505	Genetic recombination can generate altered restriction specificity. 1984 , 81, 6095-9		81	
1504	T-DNA of Agrobacterium tumefaciens encodes an enzyme of cytokinin biosynthesis. 1984 , 81, 5994-8		447	
1503	Complex regulation of simian virus 40 early-region transcription from different overlapping promoters. 1984 , 4, 1900-14		63	
1502	Direct transfection of viral and plasmid DNA into the liver or spleen of mice. 1984 , 81, 7529-33		93	
1501	Isolation and characterization of four adenovirus type 12-transformed human embryo kidney cell lines. 1984 , 4, 110-6		48	

1500	A positive regulatory site and a negative regulatory site control the expression of the Saccharomyces cerevisiae CYC7 gene. 1984 , 4, 2023-30	64
1499	Isolation and characterization of the RNA2, RNA3, and RNA11 genes of Saccharomyces cerevisiae. 1984 , 4, 2396-405	56
1498	Three different macronuclear DNAs in Oxytricha fallax share a common sequence block. 1984 , 4, 931-8	41
1497	Streptokinase: cloning, expression, and excretion by Escherichia coli. 1984 , 81, 3557-61	115
1496	Alpha-factor-directed synthesis and secretion of mature foreign proteins in Saccharomyces cerevisiae. 1984 , 81, 4642-6	404
1495	Model for homologous recombination during transfer of DNA into mouse L cells: role for DNA ends in the recombination process. 1984 , 4, 1020-34	468
1494	Transformation of Aspergillus nidulans by using a trpC plasmid. 1984 , 81, 1470-4	706
1493	Novel cluster of alpha-interferon gene sequences in a placental cosmid DNA library. 1984 , 81, 2435-9	24
1492	Temporal analysis of general control of amino acid biosynthesis in Saccharomyces cerevisiae: role of positive regulatory genes in initiation and maintenance of mRNA derepression. 1984 , 4, 520-8	98
1491	Saccharomyces cerevisiae ribosomes recognize non-AUG initiation codons. 1984 , 4, 1191-7	102
1490	Cloning DNA from Penicillium chrysogenum. 1984 , 12, 645-646	3
1490 1489	Cloning DNA from Penicillium chrysogenum. 1984 , 12, 645-646 Genetic engineering in the Precambrian: structure of the chicken triosephosphate isomerase gene. 1985 , 5, 3497-506	3 68
	Genetic engineering in the Precambrian: structure of the chicken triosephosphate isomerase gene.	
1489	Genetic engineering in the Precambrian: structure of the chicken triosephosphate isomerase gene. 1985, 5, 3497-506 Transcriptional activation of a pap pilus virulence operon from uropathogenic Escherichia coli	68
1489 1488	Genetic engineering in the Precambrian: structure of the chicken triosephosphate isomerase gene. 1985, 5, 3497-506 Transcriptional activation of a pap pilus virulence operon from uropathogenic Escherichia coli EMBO Journal, 1985, 4, 3887-3893 The replication initiator protein of plasmid pT181 has sequence-specific endonuclease and	68 129
1489 1488 1487	Genetic engineering in the Precambrian: structure of the chicken triosephosphate isomerase gene. 1985, 5, 3497-506 Transcriptional activation of a pap pilus virulence operon from uropathogenic Escherichia coli EMBO Journal, 1985, 4, 3887-3893 The replication initiator protein of plasmid pT181 has sequence-specific endonuclease and topoisomerase-like activities. 1985, 82, 6845-9 Molecular cloning and chromosomal localization of DNA sequences associated with a human DNA	68 129 124
1489 1488 1487 1486	Genetic engineering in the Precambrian: structure of the chicken triosephosphate isomerase gene. 1985, 5, 3497-506 Transcriptional activation of a pap pilus virulence operon from uropathogenic Escherichia coli EMBO Journal, 1985, 4, 3887-3893 The replication initiator protein of plasmid pT181 has sequence-specific endonuclease and topoisomerase-like activities. 1985, 82, 6845-9 Molecular cloning and chromosomal localization of DNA sequences associated with a human DNA repair gene. 1985, 5, 398-405 Isolation and characterization of nodulation genes from Bradyrhizobium sp. (Vigna) strain IRc 78.	68 129 124 46

1482	Cloning and expression of a novel variant of human interferon-gamma cDNA. 1985 , 97, 153-9	21
1481	Cloning and expression of the 1.3S biotin-containing subunit of transcarboxylase. 1985 , 82, 5617-21	52
1480	Cloning, nucleotide sequence, and overexpression of the bacteriophage T4 regA gene. 1985 , 82, 1901-5	22
1479	Molecular cloning of staphylococcal enterotoxin B gene in Escherichia coli and Staphylococcus aureus. 1985 , 82, 5850-4	66
1478	Expression of enzymatically active reverse transcriptase in Escherichia coli. 1985 , 82, 4944-8	58
1477	Site-specific mutagenesis of histidine residues in the lac permease of Escherichia coli. 1985 , 82, 6765-8	69
1476	Adhesion to human cells by Escherichia coli lacking the major subunit of a digalactoside-specific pilus-adhesin. 1985 , 82, 1800-4	90
1475	Cloning and expression of the Rickettsia prowazekii ADP/ATP translocator in Escherichia coli. 1985 , 82, 3015-9	71
1474	Point mutations implicate repeated sequences as essential elements of the CYC7 negative upstream site in Saccharomyces cerevisiae. 1985 , 5, 2951-8	29
1473	Expression of a cDNA sequence encoding human purine nucleoside phosphorylase in rodent and human cells. 1985 , 5, 1349-57	30
1472	Direct and indirect gene replacements in Aspergillus nidulans. 1985 , 5, 1714-21	187
1471	Analysis of an activatable promoter: sequences in the simian virus 40 late promoter required for T-antigen-mediated trans activation. 1985 , 5, 1859-69	123
1470	Cloning determinants of pathogenesis from Pseudomonas syringae pathovar syringae. 1985 , 82, 406-10	90
1469	Family of human alpha-interferon-like sequences. 1985 , 5, 510-7	25
1468	Behavior of a Drosophila melanogaster transposable element in Saccharomyces cerevisiae. 1985 , 5, 3325-9	4
1467	Expression in Escherichia coli of a cloned III glucanase gene from Bacillus amyloliquefaciens. <i>Applied Microbiology and Biotechnology</i> , 1985 , 22, 63	26
1466	The plasmids of Deinococcus spp. and the cloning and restriction mapping of the D. radiophilus plasmid pUE1. <i>Archives of Microbiology</i> , 1985 , 141, 91-4	16
1465	Molecular cloning and physical mapping of the Neurospora crassa 74-OR23-1A mitochondrial genome. 1985 , 9, 597-603	34

1464	DNA sequences specifying the transcription of the streptococcal kanamycin resistance gene in Escherichia coli and Bacillus subtilis. <i>Molecular Genetics and Genomics</i> , 1985 , 198, 348-52		29
1463	Isolation of the catalase A gene of Saccharomyces cerevisiae by complementation of the cta1 mutation. <i>Molecular Genetics and Genomics</i> , 1985 , 200, 74-9		60
1462	The resolvase protein from the transposon Tn21. <i>Molecular Genetics and Genomics</i> , 1985 , 200, 169-75		21
1461	Molecular cloning of a nodulation gene from fast- and slow-growing strains of Lotus rhizobia. <i>Molecular Genetics and Genomics</i> , 1985 , 201, 43-50		11
1460	Cloning of DNA sequences from Methanococcus vannielii capable of autonomous replication in yeast. <i>Archives of Microbiology</i> , 1985 , 143, 253-5	3	6
1459	A mutant of Saccharomyces cerevisiae with impaired maintenance of centromeric plasmids. 1985 , 10, 15-20		39
1458	Impaired nitrogen fixation and glutamine synthesis in methionine sulfoximine sensitive (MSs) mutants of Rhizobium phaseoli. <i>Molecular Genetics and Genomics</i> , 1985 , 200, 229-234		12
1457	An evolutionary comparison of homologous mitochondrial plasmid DNAs from three Neurospora species. <i>Molecular Genetics and Genomics</i> , 1985 , 201, 161-7		28
1456	Structure of an amplifiable DNA sequence in Streptomyces lividans 66. <i>Molecular Genetics and Genomics</i> , 1985 , 201, 192-7		54
1455	Cloning and expression of the pneumococcal autolysin gene in Escherichia coli. <i>Molecular Genetics and Genomics</i> , 1985 , 201, 225-30		69
1454	Cloning of the tyrocidine synthetase 1 gene from Bacillus brevis and its expression in Escherichia coli. <i>Molecular Genetics and Genomics</i> , 1985 , 201, 231-6		40
1453	On the site specific recombination of phage 16-3 of Rhizobium meliloti: identification of genetic elements and att recombinations. <i>Molecular Genetics and Genomics</i> , 1985 , 201, 289-295		10
1452	Certain chromosomal regions in Streptomyces glaucescens tend to carry amplifications and deletions. <i>Molecular Genetics and Genomics</i> , 1985 , 200, 375-84		36
1451	Primary structure of the trpC gene from Aspergillus nidulans. <i>Molecular Genetics and Genomics</i> , 1985 , 199, 37-45		173
1450	In vivo transcription from deletion mutations introduced near Escherichia coli ribosomal RNA promoter P2. <i>Molecular Genetics and Genomics</i> , 1985 , 199, 55-8		16
1449	Nucleotide sequence of a regulatory region of the uidA gene in Escherichia coli K12. <i>Molecular Genetics and Genomics</i> , 1985 , 199, 101-5		13
1448	Cloning and analysis of two genes for chalcone synthase from Petunia hybrida. <i>Molecular Genetics and Genomics</i> , 1985 , 199, 208-215		46
1447	Identification and cloning of nodulation genes from the wide host range Rhizobium strain MPIK3030. <i>Molecular Genetics and Genomics</i> , 1985 , 199, 271-278		23

1446	Evidence for two distinct origins of replication in the large endogenous plasmid of Anacystis nidulans R2. <i>Molecular Genetics and Genomics</i> , 1985 , 199, 300-305	14
1445	Evidence for clustered pathogenicity genes in Xanthomonas campestris pv. campestris. <i>Molecular Genetics and Genomics</i> , 1985 , 199, 338-343	75
1444	The fim genes responsible for synthesis of type 1 fimbriae in Escherichia coli, cloning and genetic organization. <i>Molecular Genetics and Genomics</i> , 1985 , 199, 410-4	159
1443	Regulation of the expression of iso 2-cytochrome c gene in S. cerevisiae: cloning of the positive regulatory gene CYP1 and identification of the region of its target sequence on the structural gene CYP3. <i>Molecular Genetics and Genomics</i> , 1985 , 199, 524-33	37
1442	Isolation and organization of genes for nitrogen fixation in Rhodopseudomonas capsulata. <i>Molecular Genetics and Genomics</i> , 1985 , 201, 363-9	59
1441	Growth rate-dependent regulation of RNA polymerase synthesis in Escherichia coli. <i>Molecular Genetics and Genomics</i> , 1985 , 201, 379-86	32
1440	Symbiotic mutants of USDA191, a fast-growing Rhizobium that nodulates soybeans. <i>Molecular Genetics and Genomics</i> , 1985 , 201, 454-461	17
1439	Transformation of Kluyveromyces lactis cells by plasmid DNA does not require alkaline cations. 1985 , 7, 723-726	1
1438	Site-specific mutagenesis in the TR-DNA region of octopine-type Ti plasmids. 1985, 4, 253-63	19
1437	Primary structure of delta subunit precursor of calf muscle acetylcholine receptor deduced from cDNA sequence. 1985 , 149, 5-13	83
1436	The EcoDXX1 restriction and modification system of Escherichia coli ET7. Purification, subunit structure and properties of the restriction endonuclease. 1985 , 152, 387-93	16
1435	Analysis of protein A encoded by a mutated gene of Staphylococcus aureus Cowan I. 1985 , 153, 579-85	9
1434	Assay of aminoglycoside phosphotransferase in situ. 1985 , 146, 434-6	3
1433	Analysis of signals for secretion in the staphylococcal protein A gene <i>EMBO Journal</i> , 1985 , 4, 3901-3906 ₁₃	82
1432	In vitro synthesis of full-length influenza virus complementary RNA <i>EMBO Journal</i> , 1985 , 4, 243-247 13	20
1431	Protein RepC is involved in copy number control of the broad host range plasmid RSF1010. 1985 , 82, 6090-4	60
1430	Termination of a transcription unit comprising highly expressed genes in the archaebacterium Methanococcus voltae. 1985 , 13, 6439-45	46
1429	Novel non-suppressing mutants of Escherichia coli tRNATyr su+3. 1985 , 13, 2583-601	2

1428	Cloning and nucleotide sequence of the tzs gene from Agrobacterium tumefaciens strain T37. 1985 , 13, 2773-88		67
1427	A primer vector system that allows temperature dependent gene amplification and expression in mammalian cells: regulation of the influenza virus NS1 gene expression. 1985 , 13, 7959-77		19
1426	Nucleotide sequence of the BsuRI restriction-modification system. 1985 , 13, 6403-21		127
1425	Completion of the nucleotide sequence of the central region of Tn5 confirms the presence of three resistance genes. 1985 , 13, 195-205		189
1424	Genetic Mapping of the Rhodopseudomonas capsulata Chromosome Shows Non-clustering of Genes Involved in Nitrogen Fixation. 1985 , 131, 3001-3015		0
1423	The nucleotide sequence recognised by the Escherichia coli D type I restriction and modification enzyme. 1985 , 13, 389-99		21
1422	Regulation of gene amplification and expression in cells that constitutively express a temperature sensitive SV40 T-antigen. 1985 , 13, 7913-27		8
1421	Complete nucleotide sequence of the lipase gene from Staphylococcus hyicus cloned in Staphylococcus carnosus. 1985 , 13, 5895-906		129
1420	Construction and characterization of a library of metallothionein coding sequence mutants. 1985 , 4, 115-26		10
1419	Oriented synthesis and cloning of influenza virus nucleoprotein cDNA that leads to its expression in mammalian cells. 1985 , 4, 69-82		24
1418	Direct selection of Escherichiacoli transformed by pAT153 carrying human cytomegalovirus DNA inserts at the Hind III site. 1985 , 2, 41-45		4
1417	Cloning of a DNA sequence that complements glutamine auxotrophy in Saccharomyces cerevisiae. 1985 , 36, 123-9		8
1416	Cloning and expression of genes for lysozyme and a 20-kDal protein of colitis bacteriophage. 1985 , 34, 9-15		1
1415	New vectors for construction of recombinant high-copy-number yeast acentric-ring plasmids. 1985 , 40, 217-29		15
1414	EcoA: the first member of a new family of type I restriction modification systems. Gene organization and enzymatic activities. <i>Journal of Molecular Biology</i> , 1985 , 186, 77-85	6.5	74
1413	Construction of Broad Host Range Cloning Vectors for Gram-negative Bacteria. 1985 , 49, 2719-2724		7
1412	Expression of Campylobacter genes for proline biosynthesis in Escherichia coli. 1985 , 31, 1064-7		10
1411	Involvement of circular intermediates in the transfer of T-DNA from Agrobacterium tumefaciens to plant cells. 1985 , 313, 191-196		122

1410	Expression of the cloned subunits of bacterial luciferase from separate replicons. 1985 , 127, 1007-11		10
1409	Comparison of the transcriptional properties of the Friend and Moloney retrovirus long terminal repeats: importance of tandem duplications and of the core enhancer sequence. 1985 , 144, 481-94		28
1408	Two type I restriction enzymes from Salmonella species. Purification and DNA recognition sequences. <i>Journal of Molecular Biology</i> , 1985 , 182, 579-87	6.5	43
1407	Cloning of the DNA repair genes mtcA, mtcB, uvsC, uvsD, uvsE and the leuB gene from Deinococcus radiodurans. 1985 , 33, 305-11		23
1406	Characterization of nif regulatory genes in Rhodopseudomonas capsulata using lac gene fusions. 1985 , 40, 203-15		80
1405	Transformation of yeast with linearized plasmid DNA. Formation of inverted dimers and recombinant plasmid products. <i>Journal of Molecular Biology</i> , 1985 , 184, 375-87	6.5	60
1404	Human Cu/Zn superoxide dismutase cDNA: isolation of clones synthesising high levels of active or inactive enzyme from an expression library. 1985 , 13, 2017-34		139
1403	EcoA and EcoE: alternatives to the EcoK family of type I restriction and modification systems of Escherichia coli. <i>Journal of Molecular Biology</i> , 1985 , 186, 65-75	6.5	72
1402	A common precursor for the two subunits of the penicillin acylase from Escherichia coli ATCC11105. 1985 , 40, 9-14		30
1401	The use of gene fusions to study the expression of uidR, a negative regulatory gene of Escherichia coli K-12. 1985 , 36, 159-67		10
1400	Improvement of a proline-producing strain of Serratia marcescens by subcloning of a mutant allele of the proline gene. 1985 , 3, 47-58		14
1399	The aminoglycoside-resistance operon of the plasmid pSa: nucleotide sequence of the streptomycin-spectinomycin resistance gene. 1985 , 36, 97-104		57
1398	Nucleotide sequence and organisation of the gua promoter region of Escherichia coli. 1985 , 36, 45-53		21
1397	Plasmids supplying the Q-qut-controlled gam function permit growth of lambda red- gam- (Fec-) bacteriophages on recA- hosts. 1985 , 40, 151-5		5
1396	Cloning of genes encoding pectolytic enzymes from a genomic library of the phytopathogenic bacterium, Erwinia chrysanthemi. 1985 , 35, 121-30		49
1395	DNA methyltransferase genes of Bacillus subtilis phages: structural relatedness and gene expression. 1985 , 35, 143-50		38
1394	Versatile mercury-resistant cloning and expression vectors. 1985 , 39, 293-7		21
1393	Supercoiling response of the lac ps promoter in vitro. <i>Journal of Molecular Biology</i> , 1985 , 184, 587-98	6.5	87

1392	Cloning of a chloramphenicol acetyltransferase gene of Streptomyces acrimycini and its expression in Streptomyces and Escherichia coli. 1985 , 38, 1-8		24
1391	Sequence organization and control of transcription in the bacteriophage T4 tRNA region. <i>Journal of Molecular Biology</i> , 1985 , 185, 545-63	6.5	53
1390	Expression of a synthetic human growth hormone gene in yeast. 1985 , 39, 117-20		19
1389	Conserved regions at the DNA primase locus of IncP alpha and IncP beta plasmids. 1985 , 14, 217-23		16
1388	The EcoR124 and EcoR124/3 restriction and modification systems: cloning the genes. 1985 , 14, 224-34		33
1387	Transposition behavior of IS15 and its progenitor IS15-delta: are cointegrates exclusive end products?. 1985 , 14, 80-9		30
1386	Comparison of the transposon-like structures encoding clindamycin resistance in Bacteroides R-plasmids. 1985 , 13, 182-92		25
1385	A small mobilizable IncP group plasmid vector packageable into bacteriophage lambda capsids in vitro. 1985 , 13, 70-4		19
1384	Rhizobium meliloti carries two megaplasmids. 1985 , 13, 129-38		68
1383	A versatile multiple- and single-copy vector system for the in vitro construction of transcriptional fusions to lacZ. 1985 , 14, 134-42		33
1382	Characterized full-length and truncated plasmid clones of the crystal protein of Bacillus thuringiensis subsp. kurstaki HD-73 and their toxicity to Manduca sexta. 1985 , 36, 289-300		232
1381	Light-Inducible Expression of a Chimeric Gene in Soybean Tissue Transformed with Agrobacterium. 1985 , 3, 241-246		22
1380	Enzymatic Hydrolysis of Organophosphates: Cloning and Expression of a Parathion Hydrolase Gene from Pseudomonas diminuta. 1985 , 3, 567-571		63
1379	cys154 Is important for lac permease activity in Escherichia coli. 1985 , 132, 162-70		60
1378	Cloning of two III-tubulin related genes in tetrahymena pyriformis. 1985 , 188, 227-232		16
1377	Stable secondary structures at the 3'-end of the genome of yellow fever virus (17 D vaccine strain). 1985, 188, 159-63		37
1376	Sequence of the OXA2 beta-lactamase: comparison with other penicillin-reactive enzymes. 1985 , 191, 39-44		97
1375	The yeast SRP gene: positive modulation by glucose of its transcriptional expression. 1986 , 138, 297-303	3	17

(1986-1986)

1374	Molecular characterization of an autolysin-defective mutant of Streptococcus pneumoniae. 1986 , 137, 614-9	18
1373	Isolation of hydrogen-oxidation gene from Alcaligenes hydrogenophilus and its expression in Pseudomonas oxalaticus. 1986 , 137, 114-9	11
1372	Sequence rearrangements may alter the in vivo superhelicity of recombinant plasmids. 1986 , 197, 93-8	2
1371	Immunoactive chimeric ST-LT enterotoxins of Escherichia coli generated by in vitro gene fusion. 1986 , 208, 194-8	30
1370	A polyoma-derived plasmid vector maintained episomally in both E. coli and mouse hepatoma cells. 1986 , 166, 63-76	5
1369	Overproduction and purification of the products of bacteriophage T3 genes 18 and 19, two genes involved in DNA packaging. 1986 , 151, 110-8	31
1368	Organization and expression of the major genes from the long inverted repeat of the human cytomegalovirus genome. 1986 , 155, 160-71	33
1367	Differential antibody responses of individuals infected with AIDS-associated retroviruses surveyed using the viral core antigen p25gag expressed in bacteria. 1986 , 150, 283-90	101
1366	A global analysis of developmentally regulated genes in Myxococcus xanthus. 1986 , 117, 252-66	282
1365	Sequence and expression of a novel murine interferon alpha genehomology with enhancer elements in the regulatory region of the gene. 1986 , 138, 826-34	19
1364	Organization, structure and symbiotic function of Rhizobium meliloti nodulation genes determining host specificity for alfalfa. 1986 , 46, 335-43	181
1363	A new tetracycline-resistance determinant, class E, isolated from Enterobacteriaceae. 1986 , 50, 111-7	69
1362	Expression of the hepatitis B virus large envelope protein in Saccharomyces cerevisiae. 1986 , 48, 155-63	16
1361	Differential utilization of Staphylococcus aureus promoter sequences by Escherichia coli and Bacillus subtilis. 1986 , 48, 93-100	39
1360	Cloning and characterization of chromosomally encoded cephalosporinase gene of Enterobacter cloacae. 1986 , 32, 301-9	7
1359	Cloning a defined region of DNA using a limited action of DNA polymerase: application to dissection of hepatitis B virus surface antigen gene. 1986 , 45, 19-25	2
1358	DNA methyltransferase genes of Bacillus subtilis phages: comparison of their nucleotide sequences. 1986 , 42, 89-96	77
1357	Overproduction of the Bacillus sphaericus R modification methylase in Escherichia coli and its purification to homogeneity. 1986 , 50, 63-7	7

1356	Expression of the Plasmodium knowlesi circumsporozoite antigen in Escherichia coli directed by Plasmodium bacterial-like promoter sequences. 1986 , 41, 135-44	4
1355	Complete nucleotide sequence of the penicillin acylase gene from Kluyvera citrophila. 1986 , 49, 69-80	82
1354	Heterogeneity of genes conferring high-level resistance to erythromycin by inactivation in enterobacteria. 1986 , 137A, 125-34	7
1353	Organization of the adenyl cyclase (cya) locus of Rhizobium meliloti. 1986 , 44, 89-96	12
1352	Isolation of the Rhodopseudomonas sphaeroides form I ribulose 1,5-bisphosphate carboxylase/oxygenase large and small subunit genes and expression of the active hexadecameric enzyme in Escherichia coli. 1986 , 44, 271-8	49
1351	Location of adhesion sites for P-fimbriated and for 075X-positive Escherichia coli in the human kidney. 1986 , 1, 169-80	69
1350	Boundaries of the nutL antiterminator of coliphage lambda and effects of mutations in the spacer region between boxA and boxB. 1986 , 50, 87-96	21
1349	Organization of a pectate lyase gene family in Erwinia chrysanthemi. 1986 , 49, 215-24	48
1348	Cloning of DNA fragments carrying hydrogenase genes of Rhodopseudomonas capsulata. 1986 , 68, 147-55	41
1347	Cloning and expression of Bacillus subtilis phage DNA methyltransferase genes in Escherichia coli and B. subtilis. 1986 , 41, 261-70	33
1346	Purification and properties of the endoglucanase C of Clostridium thermocellum produced in Escherichia coli. 1986 , 68, 687-95	64
1345	Molecular cloning of the phosphoenolpyruvate carboxylase gene of Anabaena variabilis. 1986 , 45, 113-6	13
1344	The presequences of two imported mitochondrial proteins contain information for intracellular and intramitochondrial sorting. 1986 , 44, 801-12	196
1343	Inhibition of the hypersensitive response in tobacco by pectate lyase. 1986 , 29, 217-225	18
1342	DNA replication in vitro erases a Xenopus 5S RNA gene transcription complex. 1986 , 47, 217-27	116
1341	Nucleotide sequence and expression of the pneumococcal autolysin gene from its own promoter in Escherichia coli. 1986 , 43, 265-72	165
1340	Transcription of the speC (ornithine decarboxylase) gene of Escherichia coli is repressed by cyclic AMP and its receptor protein. 1986 , 44, 37-45	10
1339	Characterization of a complementary deoxyribonucleic acid for the coagulogen of Limulus polyphemus. 1986 , 868, 1-8	8

1338	The role of upstream sequences in determining the strength of an rRNA promoter of E. coli. 1986 , 866, 37-43		12
1337	Sequence of the cDNA encoding porcine pro-opiomelanocortin. 1986 , 866, 68-74		16
1336	A common plasmid of Chlamydia trachomatis. 1986 , 16, 52-62		146
1335	Mutagenesis originating in site-specific DNA damage. <i>Journal of Molecular Biology</i> , 1986 , 191, 177-80	6.5	23
1334	Organization of genes expressing the blood-group-M-specific hemagglutinin of Escherichia coli: identification and nucleotide sequence of the M-agglutinin subunit gene. 1986 , 49, 351-60		21
1333	Molecular cloning of the plasmid RP4 primase region in a multi-host-range tacP expression vector. 1986 , 48, 119-31		993
1332	Extracellular production of alkaline xylanase of alkalophilic Bacillus sp. by Escherichia coli carrying pCX311. 1986 , 64, 373-377		13
1331	At least two nodD genes are necessary for efficient nodulation of alfalfa by Rhizobium meliloti. Journal of Molecular Biology, 1986 , 191, 411-20	6.5	97
1330	Substitution of glutamine-60 with glutamic acid causes the lac permease of Escherichia coli to become temperature sensitive. 1986 , 25, 2778-81		8
1329	Cloning of the gene for indoleacetic acid-lysine synthetase from Pseudomonas syringae subsp. savastanoi. <i>Journal of Bacteriology</i> , 1986 , 166, 598-603	3.5	87
1328	Two regulatory fim genes, fimB and fimE, control the phase variation of type 1 fimbriae in Escherichia coli <i>EMBO Journal</i> , 1986 , 5, 1389-1393	13	308
1327	Structure of the IgG-binding regions of streptococcal protein G <i>EMBO Journal</i> , 1986 , 5, 1567-1575	13	257
1326	The sequence of carnation etched ring virus DNA: comparison with cauliflower mosaic virus and retroviruses. <i>EMBO Journal</i> , 1986 , 5, 3083-3090	13	76
1325	Production of specific antibodies against protein A fusion proteins <i>EMBO Journal</i> , 1986 , 5, 2393-2398	13	63
1324	Expression of Escherichia coli infC: identification of a promoter in an upstream thrS coding sequence. <i>Journal of Bacteriology</i> , 1986 , 168, 746-51	3.5	12
1323	Expression of p21 proteins in Escherichia coli and stereochemistry of the nucleotide-binding site <i>EMBO Journal</i> , 1986 , 5, 1351-1358	13	230
1322	Cloning and characterization of the polC region of Bacillus subtilis. <i>Journal of Bacteriology</i> , 1986 , 165, 951-7	3.5	14
1321	Nitrogenase promoter-lacZ fusion studies of essential nitrogen fixation genes in Bradyrhizobium japonicum I110. <i>Journal of Bacteriology</i> , 1986 , 167, 784-91	3.5	8

1320	Further evidence for overlapping transcriptional units in an Escherichia coli cell envelope-cell division gene cluster: DNA sequence and transcriptional organization of the ddl ftsQ region. Journal of Bacteriology, 1986 , 167, 809-17	3.5	77
1319	Conjugative transfer of the naturally occurring plasmids of Acetobacter xylinum by IncP-plasmid-mediated mobilization. <i>Journal of Bacteriology</i> , 1986 , 165, 336-9	3.5	20
1318	DNA environment of the aerobactin iron uptake system genes in prototypic ColV plasmids. <i>Journal of Bacteriology</i> , 1986 , 167, 647-54	3.5	32
1317	Two gene clusters of Rhizobium meliloti code for early essential nodulation functions and a third influences nodulation efficiency. <i>Journal of Bacteriology</i> , 1986 , 167, 881-7	3.5	61
1316	Characterization of the genes coding for two major cell wall proteins from protein-producing Bacillus brevis 47: complete nucleotide sequence of the outer wall protein gene. <i>Journal of Bacteriology</i> , 1986 , 168, 365-73	3.5	78
1315	Tn4351 transposes in Bacteroides spp. and mediates the integration of plasmid R751 into the Bacteroides chromosome. <i>Journal of Bacteriology</i> , 1986 , 165, 929-36	3.5	133
1314	Evidence of homology between the pectate lyase-encoding pelB and pelC genes in Erwinia chrysanthemi. <i>Journal of Bacteriology</i> , 1986 , 167, 117-23	3.5	22
1313	Organization and characterization of genes essential for symbiotic nitrogen fixation from Bradyrhizobium japonicum I110. <i>Journal of Bacteriology</i> , 1986 , 167, 774-83	3.5	33
1312	Location of the right boundary of the virulence region on Agrobacterium tumefaciens plasmid pTiC58 and a host-specifying gene next to the boundary. <i>Journal of Bacteriology</i> , 1986 , 168, 237-43	3.5	43
1311	Cloning and expression of Mycobacterium bovis BCG DNA in "Streptomyces lividans". <i>Journal of Bacteriology</i> , 1986 , 168, 72-80	3.5	58
1310	Molecular cloning of cis-acting regulatory alleles of the Bacillus subtilis amyR region by using gene conversion transformation. <i>Journal of Bacteriology</i> , 1986 , 165, 663-70	3.5	20
1309	Isolation and complementation analysis of 10 methanol oxidation mutant classes and identification of the methanol dehydrogenase structural gene of Methylobacterium sp. strain AM1. <i>Journal of Bacteriology</i> , 1986 , 166, 581-90	3.5	129
1308	Autogenous regulation of the gene for transcription termination factor rho in Escherichia coli: localization and function of its attenuators. <i>Journal of Bacteriology</i> , 1986 , 166, 945-58	3.5	74
1307	Regions in Bacteroides plasmids pBFTM10 and pB8-51 that allow Escherichia coli-Bacteroides shuttle vectors to be mobilized by IncP plasmids and by a conjugative Bacteroides tetracycline resistance element. <i>Journal of Bacteriology</i> , 1986 , 166, 959-65	3.5	110
1306	The hypervirulence of Agrobacterium tumefaciens A281 is encoded in a region of pTiBo542 outside of T-DNA. <i>Journal of Bacteriology</i> , 1986 , 168, 1291-301	3.5	758
1305	Expression of the Pseudomonas aeruginosa PAK pilin gene in Escherichia coli. <i>Journal of Bacteriology</i> , 1986 , 165, 625-30	3.5	24
1304	Oligonucleotide-directed site-specific mutagenesis of the lac permease of Escherichia coli. 1986 , 125, 214-30		30
1303	Genetic rearrangements of a Rhizobium phaseoli symbiotic plasmid. <i>Journal of Bacteriology</i> , 1986 , 167, 487-91	3.5	63

1302	Stepwise Transformation in Saccharomyces cerevisiae Yeast: Construction of Strains for Transformation and Subsequent Cytoductive Transfer of Plasmid DNA with Mitochondria. 1986 , 27, 801-808	8
1301	Molecular cloning of virulence genes from Erwinia stewartii. <i>Journal of Bacteriology</i> , 1986 , 168, 619-23 3.5	55
1300	Tripartite upstream promoter element essential for expression of Saccharomyces cerevisiae ribosomal protein genes. 1986 , 6, 674-87	166
1299	Saccharomyces cerevisiae PHO5 promoter region: location and function of the upstream activation site. 1986 , 6, 2613-23	41
1298	Site-saturation studies of beta-lactamase: production and characterization of mutant beta-lactamases with all possible amino acid substitutions at residue 71. 1986 , 83, 1588-92	68
1297	Codon insertion mutants of the adenovirus terminal protein. 1986 , 83, 7816-20	34
1296	Genetic construction, expression, and melanoma-selective cytotoxicity of a diphtheria toxin-related alpha-melanocyte-stimulating hormone fusion protein. 1986 , 83, 8258-62	116
1295	Expression of the nodulation gene nodA in Rhizobium meliloti and localization of the gene product in the cytosol. 1986 , 83, 9581-5	63
1294	A temperature-dependent pBR322 copy number mutant resulting from a Tn5 position effect. 1986 , 83, 7381-5	22
1293	Two functional alpha-tubulin genes of the yeast Saccharomyces cerevisiae encode divergent proteins. 1986 , 6, 3711-21	182
1292	In vitro transcription of infectious RNAs from full-length cDNAs of tobacco mosaic virus. 1986 , 83, 5043-7	118
1291	Expression of the complete human T-cell leukemia virus type I pX coding sequence as a functional protein in Escherichia coli. 1986 , 83, 7192-6	38
1290	Gene products specifying adhesion of uropathogenic Escherichia coli are minor components of pili. 1986 , 83, 1891-5	112
1289	Gene-for-gene interactions of five cloned avirulence genes from Xanthomonas campestris pv. malvacearum with specific resistance genes in cotton. 1986 , 83, 6415-9	77
1288	Nucleotide sequence and analysis of the 58.3 to 65.5-kb early region of bacteriophage T4. 1986 , 14, 8637-54	26
1287	Two DNA recognition domains of the specificity polypeptides of a family of type I restriction enzymes. 1986 , 83, 9368-72	74
1286	Conservation of extended promoter regions of nodulation genes in Rhizobium. 1986 , 83, 1757-61	198
1285	Bacterial delta-aminolevulinic acid synthase activity is not essential for leghemoglobin formation in the soybean/Bradyrhizobium japonicum symbiosis. 1986 , 83, 1837-41	68

1284	Efficient homologous recombination of linear DNA substrates after injection into Xenopus laevis oocytes. 1986 , 6, 2053-61		65
1283	A simplified procedure for the rapid identification of recombinant pAT153 plasmids in Escherichia coli HB101 cells. 1986 , 154, 209-12		5
1282	Respiratory deficient mutants of Rhodopseudomonas capsulata. <i>Archives of Microbiology</i> , 1986 , 145, 378-385	3	20
1281	Heterochromatic DNA in Triturus (Amphibia, Urodela). I. A satellite DNA component of the pericentric C-bands. 1986 , 93, 435-46		31
1280	Nucleotide sequence of the T-DNA region encoding transcripts 6a and 6b of the pTiT37 nopaline Ti plasmid. 1986 , 7, 33-41		8
1279	A disarmed binary vector from Agrobacterium tumefaciens functions in Agrobacterium rhizogenes : Frequent co-transformation of two distinct T-DNAs. 1986 , 6, 403-15		103
1278	Characterization of inl+ transformants of Neurospora crassa obtained with a recombinant cosmid-pool. 1986 , 11, 131-7		10
1277	Structural organization of the genome of the zygomycete Absidia glauca: evidence for high repetitive DNA content. 1986 , 10, 903-7		30
1276	Mobilization of cloned luciferase genes into Vibrio harveyi luminescence mutants. <i>Archives of Microbiology</i> , 1986 , 143, 325-9	3	14
1275	Cloned mitochondrial DNA from the zygomycete Absidia glauca promotes autonomous replication in Saccharomyces cerevisiae. 1986 , 10, 435-41		14
1274	Heterologous expression and regulation of the lysA genes of Pseudomonas aeruginosa and Escherichia coli. <i>Molecular Genetics and Genomics</i> , 1986 , 203, 430-4		14
1273	Isolation, characterization and physiological properties of an autolytic-deficient mutant of Streptococcus pneumoniae. <i>Molecular Genetics and Genomics</i> , 1986 , 204, 237-42		22
1272	Cloning of Clostridium acetobutylicum genes and their expression in Escherichia coli and Bacillus subtilis. <i>Molecular Genetics and Genomics</i> , 1986 , 204, 317-21		15
1271	Molecular cloning and characterization of the trpC gene from Penicillium chrysogenum. <i>Molecular Genetics and Genomics</i> , 1986 , 205, 248-52		8
1270	Transposable multiple antibiotic resistance in Streptococcus pneumoniae. <i>Molecular Genetics and Genomics</i> , 1986 , 205, 291-7		172
1269	Identification of Tn4430, a transposon of Bacillus thuringiensis functional in Escherichia coli. <i>Molecular Genetics and Genomics</i> , 1986 , 204, 52-7		55
1268	Organization and expression of genes involved in the biosynthesis of 987P fimbriae. <i>Molecular Genetics and Genomics</i> , 1986 , 204, 75-81		22
1267	Regions associated with the stable maintenance of plasmid pSC101 and its tetracycline resistance. <i>Molecular Genetics and Genomics</i> , 1986 , 204, 115-9		4

1266	and Genomics, 1986 , 203, 42-48	25
1265	Cloning and expression in Escherichia coli of a recA-like gene from Vibrio cholerae. <i>Molecular Genetics and Genomics</i> , 1986 , 203, 58-63	17
1264	Characterisation of the T-region of the SAP-type Ti-plasmid pTiAT181: identification of a gene involved in SAP synthesis. <i>Molecular Genetics and Genomics</i> , 1986 , 202, 62-67	9
1263	Transposon mutagenesis in Azospirillum brasilense: isolation of auxotrophic and Nif- mutants and molecular cloning of the mutagenized nifDNA. <i>Molecular Genetics and Genomics</i> , 1986 , 202, 136-142	29
1262	The promoter of TL-DNA gene 5 controls the tissue-specific expression of chimaeric genes carried by a novel type of Agrobacterium binary vector. <i>Molecular Genetics and Genomics</i> , 1986 , 204, 383-396	1356
1261	Yeast LEU5 is a PET-like gene that is not essential for leucine biosynthesis. <i>Molecular Genetics and Genomics</i> , 1986 , 204, 397-403	13
1260	Primary structure of wild-type and mutant alleles of the PET494 gene of Saccharomyces cerevisiae. <i>Molecular Genetics and Genomics</i> , 1986 , 202, 294-301	28
1259	Organization of the ribosomal RNA genes in Mycoplasma hyopneumoniae: the 5S rRNA gene is separated from the 16S and 23S rRNA genes. <i>Molecular Genetics and Genomics</i> , 1986 , 205, 428-33	41
1258	Cytosine-specific DNA modification interferes with plasmid establishment in Escherichia coli K12: involvement of rglB. <i>Molecular Genetics and Genomics</i> , 1986 , 205, 469-75	67
1257	The gene for Escherichia coli diadenosine tetraphosphatase is located immediately clockwise to folA and forms an operon with ksgA. <i>Molecular Genetics and Genomics</i> , 1986 , 205, 515-22	43
1256	Identification of the RNA2 protein of Saccharomyces cerevisiae. 1986 , 2, 59-67	21
1255	Mutations in ARS1 increase the rate of simple loss of plasmids in Saccharomyces cerevisiae. 1986 , 2, 169-78	43
1254	Translational repression in vitro by the bacteriophage T4 regA protein. 1986 , 1, 116-24	16
1253	Nitrogen fixation in strains of Azotobacter chroococcum bearing deletions of a cluster of genes coding for nitrogenase. <i>Archives of Microbiology</i> , 1986 , 146, 74-79	37
1252	Cloning, sequencing and expression of complementary DNA encoding the muscarinic acetylcholine receptor. 1986 , 323, 411-6	855
1251	Molecular cloning and expression of theStreptococcus lactistagatose 1,6-bisphosphate aldolase gene inEscherichia coli. 1986 , 33, 79-83	17
1250	Molecular cloning of thefdhFgene ofEscherichia coliK-12. 1986 , 34, 323-327	3
1249	Construction of an excretion vector: Extracellular production of Aeromonas xylanase and Bacillus cellulases by Escherichia coli. 1986 , 36, 31-34	26

1248	Increased stability of maintenance of pAT153 inEscherichia coliHB101 due to transposition of IS1 from the chromosome into the tetracycline resistance region of pAT153. 1986 , 36, 275-280	10
1247	Staphylococcal protein A consists of five IgG-binding domains. 1986 , 156, 637-43	264
1246	Searching for autolysin functions. Characterization of a pneumococcal mutant deleted in the lytA gene. 1986 , 158, 289-93	115
1245	Multispecific DNA methyltransferases from Bacillus subtilis phages. Properties of wild-type and various mutant enzymes with altered DNA affinity. 1986 , 159, 485-92	21
1244	Nucleotide sequence of a cDNA clone encoding Scylliorhinus caniculus protamine Z2. 1986 , 160, 305-10	14
1243	Organization and sequence analysis of two related satellite DNAs in cucumber (Cucumis sativus L.). 1986 , 23, 23-30	45
1242	Cloning and analysis of two alleles of theILV3 gene from Saccharomyces carlsbergensis. 1986 , 51, 327-341	36
1241	Plasmid-encoded amikacin resistance in multiresistant strains of Klebsiella pneumoniae isolated from neonates with meningitis. 1986 , 29, 315-9	51
1240	Secretion of heterologous gene products to the culture medium of Escherichia coli. 1986 , 14, 7487-500	86
1239	Nucleotide sequence and expression of a Pseudomonas savastanoi cytokinin biosynthetic gene: homology with Agrobacterium tumefaciens tmr and tzs loci. 1986 , 14, 2555-65	83
1238	Development of a Vibrio Bioluminescence GeneBet to Monitor Phytopathogenic Bacteria During the Ongoing Disease Process in a NonDisruptive Manner. 1986 , 4, 560-564	80
1237	Nucleotide sequence of the intracisternal A-particle genome inserted 5' to the interleukin-3 gene of the leukemia cell line WEHI-3B. 1986 , 14, 5901-18	60
1236	RecBC, sbcB independent, (AT)n-mediated deletion of sequences flanking a Xenopus laevis beta globin gene on propagation in E. coli. 1986 , 14, 4147-58	18
1235	Analysis of the yeast SPT3 gene and identification of its product, a positive regulator of Ty transcription. 1986 , 14, 6885-900	34
1234	Nucleotide sequence of the tetM tetracycline resistance determinant of the streptococcal conjugative shuttle transposon Tn1545. 1986 , 14, 7047-58	140
1233	Molecular cloning of amikacin resistance determinants from a Klebsiella pneumoniae plasmid. 1986 , 30, 315-20	46
1232	Isolation and characterization of a Ty element inserted into the ribosomal DNA of the yeast Saccharomyces cerevisiae. 1986 , 14, 2939-49	8
1231	Expression of the major heat shock gene of Drosophila melanogaster in Saccharomyces cerevisiae. 1986 , 14, 3587-601	7

1230 Transpo	osable resistance to trimethoprim and 0/129 in Vibrio cholerae. 1986 , 17, 559-69	9
1229 A binar	y vector for transferring genomic libraries to plants. 1986 , 14, 8073-90	55
1228 A DNA	sequence containing the control sites for the uxaB gene of Escherichia coli. 1986 , 132, 697-705	5
	tide sequence of the hemC locus encoding porphobilinogen deaminase of Escherichia coli 86 , 14, 6215-26	100
	tion and structure of an Escherichia coli gene coding for an outer membrane protein d in export of K88ab fimbrial subunits. 1986 , 14, 2443-57	59
	cation of Rhizobium plasmid sequences involved in recognition of Psophocarpus, Vigna, and egumes. 1986 , 102, 1173-82	93
	linked DNA elements control the expression of the Sgs-5 glue protein gene in Drosophila. , 829-39	28
1223 Cloning	and characterization of tetM gene from a Ureaplasma urealyticum strain. 1987 , 31, 1852-4	26
1222 Nucleo	re and function of L-lactate dehydrogenases from thermophilic and mesophilic bacteria, VI. tide sequences of lactate dehydrogenase genes from the thermophilic bacteria Bacillus hermophilus, B. caldolyticus and B. caldotenax. 1987 , 368, 1167-77	30
	tion by a Campylobacter-like strain of aphA-1, a kanamycin resistance determinant from ers of the family Enterobacteriaceae. 1987 , 31, 1021-6	31
1220 Transcr	iption and expression of the exotoxin A gene of Pseudomonas aeruginosa. 1987 , 133, 3081-91	15
	plage of ortho cleavage route for simultaneous degradation of chloro- and methylaromatics. 38, 1395-8	195
	romosomal recombination in mammalian cells as studied with single- and double-stranded bstrates. 1987 , 7, 129-40	60
	, characterization, and sequencing of the genes encoding the large and small subunits of iplasmic [NiFe]hydrogenase of Desulfovibrio gigas. 1987 , 6, 539-51	70
1216 Transfe	er of a TenMember Genomic Library to Plants Using Agrobacterium tumefaciens. 1987 , 5, 966-971	12
	sion of porcine pancreatic phospholipase A2. Generation of active enzyme by ce-specific cleavage of a hybrid protein from Escherichia coli. 1987 , 15, 3743-59	60
	and amplified expression in Streptomyces lividans of the gene encoding the extracellular ctamase from Streptomyces cacaoi. 1987 , 133, 2915-20	9
1213 Two no	vel genes, fanA and fanB, involved in the biogenesis of K99 fimbriae. 1987 , 15, 5973-84	39

1212	Nucleotide sequence and expression of the gene encoding the EcoRII modification enzyme. 1987 , 15, 313-32		110
1211	The construction and cloning of synthetic genes coding for artificial proteins and expression studies to obtain fusion proteins. 1987 , 1, 345-51		4
121 0	Structure of the human oestrogen-responsive gene pS2. 1987 , 15, 1401-14		102
1209	Recombination of DNAs in Xenopus oocytes based on short homologous overlaps. 1987 , 15, 971-85		41
1208	Development of natural and synthetic DNA probes for OXA-2 and TEM-1 beta-lactamases. 1987 , 31, 728-34	4	27
1207	Functional organization of the Aspergillus nidulans trpC promoter. 1987 , 7, 2352-9		104
1206	Tn1331, a novel multiresistance transposon encoding resistance to amikacin and ampicillin in Klebsiella pneumoniae. 1987 , 31, 1955-60		53
1205	The mechanism of cruciform formation in supercoiled DNA: initial opening of central basepairs in salt-dependent extrusion. 1987 , 15, 9641-54		48
1204	The SPT6 gene is essential for growth and is required for delta-mediated transcription in Saccharomyces cerevisiae. 1987 , 7, 679-86		130
1203	Derivation and molecular characterization of symbiotically deficient mutants of Rhizobium meliloti. 1987 , 33, 739-747		25
1202	Host-vector systems for gene cloning in cyanobacteria. 1987 , 153, 199-215		29
1201	Tripeptidyl peptidase II in haemolysates and liver homogenates of various species. 1987 , 241, 75-80		28
12 00	Identification of a new virulence locus in Agrobacterium tumefaciens that affects polysaccharide composition and plant cell attachment. <i>Journal of Bacteriology</i> , 1987 , 169, 3209-16	5	128
1199	Cloning and characterization of elastase genes from Pseudomonas aeruginosa. <i>Journal of Bacteriology</i> , 1987 , 169, 2691-6	5	58
1198	Characterization of the Pseudomonas aeruginosa recA analog and its protein product: rec-102 is a mutant allele of the P. aeruginosa PAO recA gene. <i>Journal of Bacteriology</i> , 1987 , 169, 1499-508	5	37
1197	Analysis, cloning, and high-level expression of 2,4-dichlorophenoxyacetate monooxygenase gene tfdA of Alcaligenes eutrophus JMP134. <i>Journal of Bacteriology</i> , 1987 , 169, 2950-5	5	213
1196	A locus encoding host range is linked to the common nodulation genes of Bradyrhizobium japonicum. <i>Journal of Bacteriology</i> , 1987 , 169, 2631-8	5	103
1195	A genetic locus essential for formate-dependent growth of Bradyrhizobium japonicum. <i>Journal of Bacteriology</i> , 1987 , 169, 3260-7	5	10

1194	Constitutive expression of tetracycline resistance mediated by a Tn10-like element in Haemophilus parainfluenzae results from a mutation in the repressor gene. <i>Journal of Bacteriology</i> , 1987 , 169, 990-4 ^{3.5}	17
1193	Endo-beta-N-acetylglucosaminidase H from Streptomyces plicatus. 1987 , 138, 763-70	9
1192	Plasmids for the selection and analysis of prokaryotic promoters. 1987 , 153, 54-68	34
1191	Site-directed Tn5 and transplacement mutagenesis: methods to identify symbiotic nitrogen fixation genes in slow-growing Rhizobium. 1987 , 154, 197-217	8
1190	Identification of Tn4451 and Tn4452, chloramphenicol resistance transposons from Clostridium perfringens. <i>Journal of Bacteriology</i> , 1987 , 169, 1579-84	63
1189	Multiple repressor binding sites in the genome of bacteriophage P1. 1987 , 84, 5570-4	32
1188	The PapG protein is the alpha-D-galactopyranosyl-(14)-beta-D-galactopyranose-binding adhesin of uropathogenic Escherichia coli. 1987 , 84, 5898-902	262
1187	Site-specific insertion of DNA into a pseudorabies virus vector. 1987 , 84, 9108-12	57
1186	Development of autonomously replicating plasmids for Candida albicans. 1987 , 7, 209-17	103
1185	Cell-type-dependent gene activation by yeast transposon Ty1 involves multiple regulatory determinants. 1987 , 7, 3205-11	43
1184	Isolation and sequence of complementary DNA encoding human extracellular superoxide dismutase. 1987 , 84, 6340-4	228
1183	Genes for the catabolism and synthesis of an opine-like compound in Rhizobium meliloti are closely linked and on the Sym plasmid. 1987 , 84, 493-7	108
1182	Genomic organization of alpha satellite DNA on human chromosome 7: evidence for two distinct alphoid domains on a single chromosome. 1987 , 7, 349-56	222
1181	Cloning and characterization of the low-affinity cyclic AMP phosphodiesterase gene of Saccharomyces cerevisiae. 1987 , 7, 3629-36	200
1180	Proline utilization in Saccharomyces cerevisiae: sequence, regulation, and mitochondrial localization of the PUT1 gene product. 1987 , 7, 4431-40	105
1179	Differential effectiveness of yeast cytochrome c oxidase subunit genes results from differences in expression not function. 1987 , 7, 3520-6	82
1178	Transposon mutagenesis and tagging of fluorescent Pseudomonas: Antimycotic production is necessary for control of Dutch elm disease. 1987 , 84, 6447-51	25
1177	Ty1 sequence with enhancer and mating-type-dependent regulatory activities. 1987 , 7, 258-65	74

1176	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
1175	A ten-minute DNA preparation from yeast efficiently releases autonomous plasmids for transformation of Escherichia coli. 1987 , 57, 267-72		2304
1174	Bacteriophage P4 DNA replication. Nucleotide sequence of the P4 replication gene and the cis replication region. <i>Journal of Molecular Biology</i> , 1987 , 195, 439-45	6.5	31
1173	T-even-type bacteriophages use an adhesin for recognition of cellular receptors. <i>Journal of Molecular Biology</i> , 1987 , 194, 23-30	6.5	38
1172	Organization of genes for ribosomal proteins S7 and S12, elongation factors EF-Tu and EF-G in the cyanobacterium Spirulina platensis. 1987 , 908, 113-22		10
1171	Sequence and functional analysis of a divergent promoter from a cryptic plasmid of Lactobacillus acidophilus 168 S. 1987 , 17, 69-72		12
1170	Lactobacillus protoplast transformation. 1987 , 17, 73-5		45
1169	Identification of the minimal replication region of the multicopy Streptomyces plasmid pSL1. 1987 , 17, 149-56		8
1168	The sequence encoding the 43-kilodalton trfA protein is required for efficient replication or maintenance of minimal RK2 replicons in Pseudomonas aeruginosa. 1987 , 18, 164-9		70
1167	Restriction map of a capsule plasmid of Bacillus anthracis. 1987 , 18, 178-81		15
1166	Nucleotide sequence of the kanamycin resistance determinant of plasmid RP4: homology to other aminoglycoside 3'-phosphotransferases. 1987 , 18, 193-204		30
1165	Behavior of the IncW plasmid Sa in Zymomonas mobilis. 1987 , 18, 46-53		14
1164	Physical map of the T-DNA region of Agrobacterium rhizogenes strain NCPPB2659. 1987 , 18, 70-5		23
1163	A protoplast transformation system for Listeria sp. 1987 , 18, 89-92		13
1162	Construction of an excretion vector and extracellular production of human growth hormone from Escherichia coli. 1987 , 54, 197-202		60
1161	The nucleotide sequence and gene organization of the gerA spore germination operon of Bacillus subtilis 168. 1987 , 51, 1-11		80
1160	Catabolite repression-resistant mutations of the Bacillus subtilis alpha-amylase promoter affect transcription levels and are in an operator-like sequence. <i>Journal of Molecular Biology</i> , 1987 , 198, 609-18	3 ^{6.5}	84
1159	Expression of the macrolide-lincosamide-streptogramin-B-resistance methylase gene, ermE, from Streptomyces erythraeus in Escherichia coli results in N6-monomethylation and N6-N6-dimethylation of ribosomal RNA 1987, 55, 319-25		19

1158	and construction of a promoter sequence in the plasmid pUL340 of Brevibacterium lactorermentum and construction of new cloning vectors for corynebacteria containing two selectable markers. 1987, 56, 199-208	31
1157	An efficient mobilizable cosmid vector, pRK7813, and its use in a rapid method for marker exchange in Pseudomonas fluorescens strain HV37a. 1987 , 61, 299-306	131
1156	Nucleotide sequence and expression of the cloned gene of bacteriophage SP6 RNA polymerase. 1987 , 15, 2653-64	66
1155	Location and sequence of a region of cauliflower mosaic virus gene 2 responsible for aphid transmissibility. 1987 , 160, 246-251	45
1154	Taenia hydatigena: isolation of mitochondrial DNA, molecular cloning, and physical mitochondrial genome mapping. 1987 , 63, 288-94	12
1153	The effect of polymyxin B nonapeptide (PMBN) on transformation. 1987 , 143, 923-7	2
1152	A new vector derived from Agrobacterium rhizogenes plasmids: a micro-Ri plasmid and its use to construct a mini-Ri plasmid. 1987 , 55, 105-14	34
1151	Transposon induced mutants of Pseudomonas which accumulate catabolites from bile acids. Production of hydroxy-3-oxo-1,4-pregnadiene-20-carboxylic acids. 1987 , 5, 149-155	3
1150	Extracellular production of cloned alpha-amylase by Escherichia coli. 1987 , 61, 165-76	47
1149	The chromosomal fur gene regulates the extracellular haemolytic activity encoded by certain hly plasmids. 1987 , 266, 231-8	6
1148	Genetic organization of insertion element IS2 based on a revised nucleotide sequence. 1987 , 59, 291-6	36
1147	Purification of hepatitis B virus gene X product synthesized in Escherichia coli and its detection in a human hepatoblastoma cell line producing hepatitis B virus. 1987 , 60, 183-9	26
1146	3'-end modifications of the Streptococcus pneumoniae lytA gene: role of the carboxy terminus of the pneumococcal autolysin in the process of enzymatic activation (conversion). 1987 , 61, 13-9	27
1145	An nptl-sacB-sacR cartridge for constructing directed, unmarked mutations in gram-negative bacteria by marker exchange-eviction mutagenesis. 1987 , 57, 239-46	320
1144	Expression of a wheat alpha-gliadin gene in Saccharomyces cerevisiae. 1987 , 55, 303-17	26
1143	Cloning of Xanthomonas DNA that expresses d-xylose catabolic enzymes. 1987 , 6, 159-165	6
1142	Possible new genes as revealed by molecular analysis of a 5-kb Escherichia coli chromosomal region 5' to the rpsU-dnaG-rpoD macromolecular-synthesis operon. 1987 , 51, 149-61	24
1141	Monoclonal antibodies raised against Pap fimbriae recognize minor component(s) involved in receptor binding. 1987 , 2, 113-21	21

1140	Transformation of tomato using an Ri plasmid vector. 1987 , 49, 37-49		57
1139	Transformation of cowpea Vigna unguiculata with a full-length DNA copy of cowpea mosaic virus M-RNA. 1987 , 48, 89-98		34
1138	Functional domains of Pseudomonas exotoxin identified by deletion analysis of the gene expressed in E. coli. 1987 , 48, 129-36		400
1137	Physical characterization of katG, encoding catalase HPI of Escherichia coli. 1987 , 52, 121-8		62
1136	Organization and sequence of the hsd genes of Escherichia coli K-12. <i>Journal of Molecular Biology</i> , 1987 , 198, 159-70	6.5	86
1135	Biogenesis of E. coli Pap pili: papH, a minor pilin subunit involved in cell anchoring and length modulation. 1987 , 49, 241-51		146
1134	High frequency transformation of Zymomonas mobilis by plasmid DNA. 1987 , 6, 247-258		7
1133	Molecular cloning of an Erwinia chrysanthemi oligogalacturonate lyase gene involved in pectin degradation. 1987 , 55, 125-33		21
1132	Affinities of tight-binding lactose repressors for wild-type and pseudo-operators. <i>Journal of Molecular Biology</i> , 1987 , 195, 495-504	6.5	20
1131	Establishment of a temperature-inducible cell line for human plasminogen activator (tissue-type) by transfection of monkey cells with expression constructs. 1987 , 59, 231-9		3
1130	Integration of satellite bacteriophage P4 in Escherichia coli. DNA sequences of the phage and host regions involved in site-specific recombination. <i>Journal of Molecular Biology</i> , 1987 , 196, 487-96	6.5	104
1129	A low-copy-number vector utilizing beta-galactosidase for the analysis of gene control elements. 1987 , 52, 245-56		101
1128	Identification and characterization of insertion sequence ISRm1 in Rhizobium meliloti JJ1c10. 1987 , 33, 314-321		16
1127	Conditional Suicide System for Containment of Bacteria and Plasmids. 1987 , 5, 1315-1318		51
1126	A Saccharomyces cerevisiae genomic plasmid bank based on a centromere-containing shuttle vector. 1987 , 60, 237-43		1166
1125	Common mechanism of ampC beta-lactamase induction in enterobacteria: regulation of the cloned Enterobacter cloacae P99 beta-lactamase gene. <i>Journal of Bacteriology</i> , 1987 , 169, 758-63	3.5	88
1124	Activation of an elastase precursor by the lasA gene product of Pseudomonas aeruginosa. <i>Journal of Bacteriology</i> , 1987 , 169, 4532-9	3.5	39
1123	Independent and synergistic activity of rol A, B and C loci in stimulating abnormal growth in plants. <i>EMBO Journal</i> , 1987 , 6, 3891-3899	13	310

1122	Characterization of the virE locus of Agrobacterium tumefaciens plasmid pTiC58. <i>Journal of Bacteriology</i> , 1987 , 169, 1529-36	3.5	50
1121	Spectinomycin resistance and associated DNA amplification in Streptomyces achromogenes subsp. rubradiris. <i>Journal of Bacteriology</i> , 1987 , 169, 2360-6	3.5	32
1120	Novel incompatibility and partition loci for the REPI replication region of plasmid ColV-K30. <i>Journal of Bacteriology</i> , 1987 , 169, 5078-86	3.5	17
1119	Gene transfer from Escherichia coli to Campylobacter species: development of shuttle vectors for genetic analysis of Campylobacter jejuni. <i>Journal of Bacteriology</i> , 1987 , 169, 5320-3	3.5	103
1118	A broad-host-range expression vector based on the pL promoter of coliphage lambda: regulated synthesis of human interleukin 2 in Erwinia and Serratia species. <i>Journal of Bacteriology</i> , 1987 , 169, 189	9 ³ 9504	24
1117	Cloning and expression of the gene for a fibronectin-binding protein from Staphylococcus aureus <i>EMBO Journal</i> , 1987 , 6, 2351-2357	13	182
1116	A recombinant apoA-1-protein A hybrid reproduces the binding parameters of HDL to its receptor <i>EMBO Journal</i> , 1987 , 6, 3253-3260	13	52
1115	Control of replication of plasmid R1: translation of the 7k reading frame in the RepA mRNA leader region counteracts the interaction between CopA RNA and CopT RNA <i>EMBO Journal</i> , 1987 , 6, 515-522	13	22
1114	Elements involved in oxygen regulation of the Saccharomyces cerevisiae CYC7 gene. 1987 , 7, 2212-20		84
1113	Complementation of nitrogen-regulatory (ntr-like) mutations in Rhodobacter capsulatus by an Escherichia coli gene: cloning and sequencing of the gene and characterization of the gene product. <i>Journal of Bacteriology</i> , 1987 , 169, 260-71	3.5	31
1112	Control of extracellular polysaccharide synthesis in Erwinia stewartii and Escherichia coli K-12: a common regulatory function. <i>Journal of Bacteriology</i> , 1987 , 169, 4525-31	3.5	50
1111	Physical mapping of transposon Tn5 insertions defines a gene cluster functional in nitrous oxide respiration by Pseudomonas stutzeri. <i>Journal of Bacteriology</i> , 1987 , 169, 4577-80	3.5	27
1110	Cloning and sequencing of the blaZ gene encoding beta-lactamase III, a lipoprotein of Bacillus cereus 569/H. <i>Journal of Bacteriology</i> , 1987 , 169, 579-86	3.5	62
1109	Cloning of the recA gene of Neisseria gonorrhoeae and construction of gonococcal recA mutants. <i>Journal of Bacteriology</i> , 1987 , 169, 790-5	3.5	129
1108	Cloning and transcriptional regulation of the elastase lasA gene in mucoid and nonmucoid Pseudomonas aeruginosa. <i>Journal of Bacteriology</i> , 1987 , 169, 1349-51	3.5	22
1107	Rhizobium meliloti insertion element ISRm2 and its use for identification of the fixX gene. <i>Journal of Bacteriology</i> , 1987 , 169, 1403-9	3.5	60
1106	Molecular cloning of bile acid 7-dehydroxylase from Eubacterium sp. strain VPI 12708. <i>Journal of Bacteriology</i> , 1987 , 169, 1516-21	3.5	19
1105	Cloning and nucleotide sequence of the gene coding for enzymatically active fragments of the Bacillus polymyxa beta-amylase. <i>Journal of Bacteriology</i> , 1987 , 169, 1564-70	3.5	71

1104	Construction and characterization of Pseudomonas aeruginosa algB mutants: role of algB in high-level production of alginate. <i>Journal of Bacteriology</i> , 1987 , 169, 1593-602	3.5	71
1103	Molecular cloning of genes encoding branched-chain keto acid dehydrogenase of Pseudomonas putida. <i>Journal of Bacteriology</i> , 1987 , 169, 1619-25	3.5	43
1102	2-keto-3-deoxygluconate transport system in Erwinia chrysanthemi. <i>Journal of Bacteriology</i> , 1987 , 169, 1972-8	3.5	29
1101	Genetic and physical mapping and expression in Pseudomonas aeruginosa of the chromosomally encoded ribulose bisphosphate carboxylase genes of Alcaligenes eutrophus. <i>Journal of Bacteriology</i> , 1987 , 169, 1997-2004	3.5	24
1100	Molecular cloning and biological characterization of the recA gene from Pseudomonas syringae. Journal of Bacteriology, 1987 , 169, 2906-10	3.5	20
1099	Nucleotide sequence comparisons of plasmids pHD131, pJB1, pFA3, and pFA7 and beta-lactamase expression in Escherichia coli, Haemophilus influenzae, and Neisseria gonorrhoeae. <i>Journal of Bacteriology</i> , 1987 , 169, 3124-30	3.5	33
1098	Facilitated transfer of IncP beta R751 derivatives from the chromosome of Bacteroides uniformis to Escherichia coli recipients by a conjugative Bacteroides tetracycline resistance element. <i>Journal of Bacteriology</i> , 1987 , 169, 3160-7	3.5	23
1097	Organization of phosphoribulokinase and ribulose bisphosphate carboxylase/oxygenase genes in Rhodopseudomonas (Rhodobacter) sphaeroides. <i>Journal of Bacteriology</i> , 1987 , 169, 3685-90	3.5	51
1096	Mapping of export signals of Pseudomonas aeruginosa pilin with alkaline phosphatase fusions. Journal of Bacteriology, 1987 , 169, 3181-8	3.5	55
1095	A second regulatory gene, blaR1, encoding a potential penicillin-binding protein required for induction of beta-lactamase in Bacillus licheniformis. <i>Journal of Bacteriology</i> , 1987 , 169, 3873-8	3.5	75
1094	Base substitutions in transposable element IS1 cause DNA duplication of variable length at the target site for plasmid co-integration <i>EMBO Journal</i> , 1987 , 6, 1799-1803	13	14
1093	Site-specific methylases induce the SOS DNA repair response in Escherichia coli. <i>Journal of Bacteriology</i> , 1987 , 169, 3243-50	3.5	145
1092	Biological consequences of segmental alterations in mRNA stability: effects of deletion of the intercistronic hairpin loop region of the Rhodobacter capsulatus puf operon <i>EMBO Journal</i> , 1987 , 6, 3515-3520	13	87
1091	Cloning and characterization of the c1 repressor of Pseudomonas aeruginosa bacteriophage D3: a functional analog of phage lambda cI protein. <i>Journal of Bacteriology</i> , 1987 , 169, 1847-52	3.5	13
1090	Transport of proteins to the mitochondrial intermembrane space: the hatrix-targeting and the sorting domains in the cytochrome c1 presequence <i>EMBO Journal</i> , 1987 , 6, 2433-2439	13	65
1089	Organization of multispecific DNA methyltransferases encoded by temperate Bacillus subtilis phages <i>EMBO Journal</i> , 1987 , 6, 1137-1142	13	39
1088	Host-specific regulation of nodulation genes in Rhizobium is mediated by a plant-signal, interacting with the nodD gene product. <i>EMBO Journal</i> , 1987 , 6, 841-848	13	146
1087	Growth and plasmid stability of recombinantE. coli cells producing hepatitis B surface antigen. 1987 , 4, 182-186		4

1086	Intron-containing tRNA genes of Sulfolobus solfataricus. 1987 , 25, 248-254	45
1085	Isolation and characterization of Tn5-induced NADPH-glutamate synthase (GOGAT-) mutants of Azorhizobium sesbaniae ORS571 and cloning of the corresponding glt locus. <i>Molecular Genetics and Genomics</i> , 1987 , 210, 195-202	18
1084	Independent induction of transformed roots by the TL and TR regions of the Ri plasmid of agropine type Agrobacterium rhizogenes. <i>Molecular Genetics and Genomics</i> , 1987 , 206, 17-23	74
1083	Transcriptional regulation of sporulation genes in yeast. <i>Molecular Genetics and Genomics</i> , 1987 , 210, 449-59	19
1082	The sequence and function of the recA gene and its protein in Pseudomonas aeruginosa PAO. <i>Molecular Genetics and Genomics</i> , 1987 , 208, 412-9	63
1081	Three fim genes required for the regulation of length and mediation of adhesion of Escherichia coli type 1 fimbriae. <i>Molecular Genetics and Genomics</i> , 1987 , 208, 439-45	192
1080	Cloning of the gene for phosphoenolpyruvate carboxylase from Azotobacter chroococcum, an enzyme important in aerobic nitrogen fixation. <i>Molecular Genetics and Genomics</i> , 1987 , 208, 481-484	3
1079	Transcriptional and translational signals of the uidA gene in Escherichia coli K12. <i>Molecular Genetics and Genomics</i> , 1987 , 208, 490-8	8
1078	Synthesis and secretion of a heat-stable carboxymethylcellulose from Clostridium thermocellum in Bacillus subtilis and Bacillus stearothermophilus. <i>Molecular Genetics and Genomics</i> , 1987 , 208, 537-41	32
1077	Tn10 mutagenesis in Azotobacter vinelandii. <i>Molecular Genetics and Genomics</i> , 1987 , 209, 276-82	19
1076	Molecular cloning of Bacillus subtilis genes involved in DNA metabolism. <i>Molecular Genetics and Genomics</i> , 1987 , 209, 8-14	9
1075	Nucleotide sequence of the ends of the conjugative shuttle transposon Tn1545. <i>Molecular Genetics and Genomics</i> , 1987 , 209, 110-5	48
1074	Intraplasmid recombination in Streptomyces lividans 66. <i>Molecular Genetics and Genomics</i> , 1987 , 209, 154-8	14
1073	The plasmids of Acetobacter xylinum and their interaction with the host chromosome. <i>Molecular Genetics and Genomics</i> , 1987 , 208, 76-83	16
1072	Molecular aspects of genetic instability of an artificial 68 bp perfect palindrome in Escherichia coli. <i>Molecular Genetics and Genomics</i> , 1987 , 208, 294-300	2
1071	Role of replication in IS102-mediated deletion formation. <i>Molecular Genetics and Genomics</i> , 1987 , 209, 453-7	2
1070	Transposon Tn5 mediated gene transfer into plants. <i>Molecular Genetics and Genomics</i> , 1987 , 207, 99-105	5
1069	Expression of the Bacillus subtilis polC gene in Escherichia coli. <i>Molecular Genetics and Genomics</i> , 1987 , 207, 335-41	6

1068	Phleomycin resistance encoded by the ble gene from transposon Tn 5 as a dominant selectable marker in Saccharomyces cerevisiae. <i>Molecular Genetics and Genomics</i> , 1987 , 207, 342-8		72
1067	Cloning of the cysB gene of Erwinia carotovora subsp. carotovora, and the identification of its product. <i>Molecular Genetics and Genomics</i> , 1987 , 207, 466-470		5
1066	Cloning and characterization of nifA and ntrC genes of the stem nodulating bacterium ORS571, the nitrogen fixing symbiont of Sesbania rostrata: Regulation of nitrogen fixation (nif) genes in the free living versus symbiotic state. <i>Molecular Genetics and Genomics</i> , 1987 , 206, 207-219		67
1065	Tn1545: a conjugative shuttle transposon. <i>Molecular Genetics and Genomics</i> , 1987 , 206, 259-64		103
1064	Cloning and characterization of hydrogenase genes from Azotobacter chroococcum. <i>Molecular Genetics and Genomics</i> , 1987 , 206, 285-290		13
1063	Identification and cloning of nodulation genes from the stem-nodulating bacterium ORS571. <i>Molecular Genetics and Genomics</i> , 1987 , 206, 291-299		31
1062	Further insight concerning the TL region of the Ri plasmid of Agrobacterium rhizogenes strain A4: Transfer of a 1.9 kb fragment is sufficient to induce transformed roots on tobacco leaf fragments. <i>Molecular Genetics and Genomics</i> , 1987 , 210, 111-115		74
1061	DNA sequence and functional analysis of an ARS-element from the zygomycete Absidia glauca. 1987 , 12, 599-603		9
1060	Neomycin resistance as a dominantly selectable marker for transformation of the zygomycete Absidia glauca. 1987 , 12, 625-7		46
1059	The Streptomyces ghanaensis low copy plasmid pSG2 and its use for vector construction. <i>Archives of Microbiology</i> , 1987 , 148, 298-304	3	11
1058	LEU2 directed expression of beta-galactosidase activity and phleomycin resistance in Yarrowia lipolytica. 1987 , 11, 369-75		93
1057	Overproduction and rapid purification of the amidase of Streptococcus pneumoniae. <i>Archives of Microbiology</i> , 1987 , 149, 52-6	3	37
1056	Cloning and characterization of the immunity region of phage phi 80. <i>Molecular Genetics and Genomics</i> , 1987 , 206, 452-9		2
1055	Development of a gene transfer system for Penicillium chrysogenum. 1987 , 12, 449-455		22
1054	Sequence and transcription of the beta-glucosidase gene of Kluyveromyces fragilis cloned in Saccharomyces cerevisiae. 1987 , 12, 175-84		35
1053	An inverted repeat comprises more than three-quarters of the mitochondrial genome in two species of Pythiumm. 1987 , 12, 205-208		33
1052	Cloning and expression of a xylanase gene from Clostridium acetobutylicum P262 in Escherichia coli. <i>Applied Microbiology and Biotechnology</i> , 1987 , 27, 57	5.7	28
1051	Detection of CaMV gene I and gene VI protein products in vivo using antisera raised to COOH-terminal II-galactosidase fusion proteins. 1987 , 8, 275-87		23

1050	Interspecies homology of nodulation genes in Rhizobium. 1987 , 8, 61-75	31
1049	Stability of wild-type and mutant RTEM-1 beta-lactamases: effect of the disulfide bond. 1987 , 2, 290-7	45
1048	Use of bacilli for overproduction of exocellular endo-II-1,4-glucanase encoded by cloned gene. 1987 , 9, 594-597	18
1047	Expression of the Klebsiella pneumoniae nifH gene in Saccharomyces cerevisiae. 1987 , 9, 438-443	
1046	A synthetic IgG-binding domain based on staphylococcal protein A. 1987 , 1, 107-13	577
1045	Organization and expression of the Plasmodium knowlesi circumsporozoite antigen gene. 1987 , 23, 233-45	30
1044	recA-dependent and recA-independent N-ethyl-N-nitrosourea mutagenesis at a plasmid-encoded herpes simplex virus thymidine kinase gene in Escherichia coli. 1987 , 178, 1-10	18
1043	Tn1000 insertional mutagenesis of cloned repressor gene of the phage L: plasmid oligomerization in the presence of F'lac. 1987 , 32, 185-93	2
1042	Transfer of broad host range plasmids to the type I obligate methanotrophMethylomonas albus. 1987 , 41, 185-188	7
1041	Isolation of the gene encoding the major endoglucanase of Erwinia chrysanthemi. Homology between cel genes of two strains of Erwinia chrysanthemi. 1987 , 41, 351-356	15
1040	Nucleotide sequence and distribution of genetetOencoding tetracycline resistance inCampylobacter coli. 1987 , 44, 153-159	101
1039	Cloning of a beta-lactam resistance determinant ofEnterobacter cloacaeaffecting outer membrane proteins of Enterobacteriaceae. 1987 , 48, 277-281	23
1038	Plasmid transfer by conjugation fromEscherichia colito Gram-positive bacteria. 1987 , 48, 289-294	249
1037	Nucleotide sequence, regulation and functional analysis of the papC gene required for cell surface localization of Pap pili of uropathogenic Escherichia coli. 1987 , 1, 169-78	120
1036	Identification, cloning and sequence analysis of the Bacillus sphaericus 1593 41.9 kD larvicidal toxin gene. 1987 , 1, 187-94	48
1035	The frequency of expression of pyelonephritis-associated pili is under regulatory control. 1987 , 1, 335-46	46
1034	Characterization of a new endoglucanase from Erwinia chrysanthemi. 1987, 162, 311-6	23
1033	Massive overproduction of dihydrofolate reductase in bacteria as a response to the use of trimethoprim. 1987 , 162, 473-6	68

1032	Primary structure of the Streptomyces R61 extracellular DD-peptidase. 1. Cloning into Streptomyces lividans and nucleotide sequence of the gene. 1987 , 162, 509-18	82
1031	Construction and stability of a sixfold repeated artificial gene. 1987 , 167, 307-13	7
1030	Catalase gene of the yeast Candida tropicalis. Sequence analysis and comparison with peroxisomal and cytosolic catalases from other sources. 1987 , 170, 105-10	51
1029	The herpes simplex virus type I DNA polymerase. Polypeptide structure and antigenic domains. 1988, 174, 707-16	24
1028	Mutants of Rhizobium meliloti defective in nodulation. 1988 , 28, 645-650	1
1027	Transformation of bacteria with plasmid DNA by electroporation. 1988 , 170, 38-44	147
1026	Expression of an endoglucanase gene fromClostridium cellulolyticum inEscherichia coli. 1988 , 3, 365-371	22
1025	Expression of biologically active, mature human granulocyte-macrophage colony stimulating factor with anE. coli secretory expression system. 1988 , 17, 321-332	19
1024	Study of plasmids isolated from saccharolytic Clostridia: Construction of hybrid plasmids and transfer toEscherichia coli andBacillus subtilis. 1988 , 10, 1-6	3
1023	Fates and expression ofBacillus subtilis endo-⊞1, 4-glucanase gene andAlcaligenes faecalis ⊞glucosidase gene introduced inEscherichia coli andBacillus cells. 1988 , 10, 843-848	4
1022	High level production of a peptide hormone analogue [Leu13]motilin inE. coli. 1988, 10, 763-768	9
1021	Three regulatory nodD alleles of diverged flavonoid-specificity are involved in host-dependent nodulation by Rhizobium meliloti. <i>Molecular Genetics and Genomics</i> , 1988 , 212, 85-92	90
1020	The base-alteration spectrum of spontaneous and ultraviolet radiation-induced forward mutations in the URA3 locus of Saccharomyces cerevisiae. <i>Molecular Genetics and Genomics</i> , 1988 , 214, 396-404	59
1019	Characterization of the transposon carrying the STII gene of enterotoxigenic Escherichia coli. <i>Molecular Genetics and Genomics</i> , 1988 , 214, 490-5	29
1018	Characterisation of a promoter from Methylomonas clara. <i>Molecular Genetics and Genomics</i> , 1988 , 211, 210-214	6
1017	An Escherichia coli gene in search of a function. <i>Molecular Genetics and Genomics</i> , 1988 , 211, 326-31	8
1016	Functional and structural homology among regulatory cistrons of pili-adhesin determinants in Escherichia coli. <i>Molecular Genetics and Genomics</i> , 1988 , 212, 412-7	26
1015	Analysis of transcription and processing signals in the 5' regions of the two Mycoplasma capricolum rRNA operons. <i>Molecular Genetics and Genomics</i> , 1988 , 212, 522-30	10

1014	The use of the luxA gene of the bacterial luciferase operon as a reporter gene. <i>Molecular Genetics and Genomics</i> , 1988 , 215, 1-9	64
1013	The cloning of the rorB gene of Escherichia coli. <i>Molecular Genetics and Genomics</i> , 1988 , 215, 156-60	2
1012	A genetic-physical map of the Rhodobacter capsulatus carotenoid biosynthesis gene cluster. <i>Molecular Genetics and Genomics</i> , 1988 , 213, 78-83	60
1011	Construction of a Tradeletion mutant of pAgK84 to safeguard the biological control of crown gall. <i>Molecular Genetics and Genomics</i> , 1988 , 212, 207-214	64
1010	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. <i>Molecular Genetics and Genomics</i> , 1988 , 214, 181-91	56
1009	Two classes of Rhizobium meliloti infection mutants differ in exopolysaccharide production and in coinoculation properties with nodulation mutants. <i>Molecular Genetics and Genomics</i> , 1988 , 211, 17-26	90
1008	One-step gene disruption by cotransformation to isolate double auxotrophs in Candida albicans. <i>Molecular Genetics and Genomics</i> , 1988 , 214, 24-31	48
1007	Cloning and sequencing of the genes encoding the large and the small subunits of the H2 uptake hydrogenase (hup) of Rhodobacter capsulatus. <i>Molecular Genetics and Genomics</i> , 1988 , 214, 97-107	100
1006	Characterization of the gene for the Fe-protein of the vanadium dependent alternative nitrogenase of Azotobacter vinelandii and construction of a Tn5 mutant. <i>Molecular Genetics and Genomics</i> , 1988 , 214, 121-7	39
1005	Occurrence of bacteriophage T4 receptor in Erwinia carotovora. <i>Molecular Genetics and Genomics</i> , 1988 , 214, 170-172	27
1004	Isolation of the yeast INO4 gene, a positive regulator of phospholipid biosynthesis. 1988 , 13, 7-14	14
1003	A reexamination of the role of the RAD52 gene in spontaneous mitotic recombination. 1988 , 14, 211-23	48
1002	Nucleotide sequence of the Physarum polycephalum small subunit ribosomal RNA as inferred from the gene sequence: secondary structure and evolutionary implications. 1988 , 14, 265-73	54
1001	Cloning of a chromosomal locus (exp) which regulates the expression of several exoprotein genes in Staphylococcus aureus. <i>Molecular Genetics and Genomics</i> , 1988 , 211, 435-40	128
1000	Plasmid-mediated sucrose metabolism in Escherichia coli K12: mapping of the scr genes of pUR400. 1988 , 2, 1-8	86
999	DNA sequence of the gene scrA 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
998	Biogenesis of F7 and F7 fimbriae of uropathogenic Escherichia coli: influence of the FsoF and FstFG proteins and localization of the Fso/FstE protein. 1988 , 2, 73-80	28
997	Molecular basis for the spontaneous generation of colonization-defective mutants of Streptococcus mutans. 1988 , 2, 135-40	38

996	Uropathogenic Escherichia coli can express serologically identical pili of different receptor binding specificities. 1988 , 2, 255-63	155
995	Overexpression, solubilization and refolding of a genetically engineered derivative of the penicillin-binding protein 3 of Escherichia coli K12. 1988 , 2, 519-25	20
994	Nucleotide sequence of Acinetobacter baumannii aphA-6 gene: evolutionary and functional implications of sequence homologies with nucleotide-binding proteins, kinases and other aminoglycoside-modifying enzymes. 1988 , 2, 615-25	74
993	Reiterated DNA sequences defining genomic diversity within the species Mycoplasma hyorhinis. 1988 , 2, 665-72	12
992	Identification of the protein encoded by rodC, a cell division gene from Bacillus subtilis. 1988, 2, 735-41	13
991	Three copies of a single protein II-encoding sequence in the genome of Neisseria gonorrhoeae JS3: evidence for gene conversion and gene duplication. 1988 , 2, 797-806	32
990	Recovery of Soluble, Biologically Active Recombinant Proteins from Total Bacterial Lysates Using Ion Exchange Resin. 1988 , 6, 1214-1217	44
989	The outer membrane permeability mutation of the virulence-associated plasmid ofSalmonella typhimuriumis located in atraT-like gene. 1988 , 52, 145-153	18
988	Localization of antigenic determinants on P-fimbriae of uropathogenicEscherichia coli. 1988 , 49, 95-100	7
987	Characterization of twoBacillus thuringiensisplasmids whose replication is thermosensitive inB. subtilis. 1988 , 49, 417-422	23
986	Attachment ofAzospirillumto isolated plant cells. 1988 , 49, 435-439	16
985	Construction of new shuttle plasmid vectors for Escherichia coli-Bacteroidestransgeneric cloning. 1988 , 55, 15-22	9
984	Effect of growth conditions on the rate of loss of the plasmid pAT153 from continuous cultures of Escherichia coli HB101. 1988 , 56, 101-104	19
983	The TEM-3 I-lactamase, which hydrolyzes broad-spectrum cephalosporins, is derived from the TEM-2 penicillinase by two amino acid substitutions. 1988 , 56, 343-348	45
982	Phleomycin resistance as a dominant selectable marker in CHO cells. 1988, 14, 243-52	59
981	The family of mouse phosphoglycerate kinase genes and pseudogenes. 1988 , 14, 69-81	44
980	Expression from symbiotic promoters of Rhizobium meliloti in Azotobacter vinelandii and Azospirillum brasilense. 1988 , 13, 317-321	
979	Segregation characteristics of multiple chromosomes of Azotobacter vinelandii. 1988, 67, 37-42	9

978	A broad-host-range shuttle system for gene insertion into the chromosomes of gram-negative bacteria. 1988 , 71, 75-84		78
977	Infectivity and complete nucleotide sequence of the genome of a South African isolate of maize streak virus. 1988 , 16, 229-49		75
976	Genetic Construction of Lactose-Utilizing Strains of Pseudomonas Aeruginosa and Their Application in Biosurfactant Production. 1988 , 6, 1335-1339		29
975	Comparison of the invasion strategies used by Salmonella cholerae-suis, Shigella flexneri and Yersinia enterocolitica to enter cultured animal cells: endosome acidification is not required for bacterial invasion or intracellular replication. 1988 , 70, 1089-99		246
974	Cloning and sequencing of the gene encoding the phosphatidylcholine-preferring phospholipase C of Bacillus cereus. 1988 , 65, 293-304		100
973	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
972	Cloning and partial characterization of three small cryptic plasmids from Bacillus thuringiensis. 1988 , 19, 169-73		23
971	Localization and physical mapping of a plasmid-borne 23-kb nif gene cluster from Enterobacter agglomerans showing homology to the entire nif gene cluster of Klebsiella pneumoniae M5a1. 1988 , 19, 1-12		18
970	The origin of conjugative IncP plasmid transfer: interaction with plasmid-encoded products and the nucleotide sequence at the relaxation site. 1988 , 951, 365-74		43
969	Sequence of the Bacillus subtilis glutamine synthetase gene region. 1988 , 71, 257-65		64
968	Identification of a heat-modifiable protein of Francisella tularensis and molecular cloning of the encoding gene. 1988 , 5, 109-19		29
96 7	Mobilization and transfer of Azospirillum lipoferum plasmid by the Tn5-Mob transposon into a plasmid-free Agrobacterium tumefaciens strain. 1988 , 34, 1354-7		14
966	McrA and McrB restriction phenotypes of some E. coli strains and implications for gene cloning. 1988 , 16, 1563-75		330
965	Mutations in cloned Escherichia coli P fimbriae genes that makes fimbriae-production resistant to suppression by trimethoprim. 1988 , 4, 369-77		5
964	A new cloning system for Bacillus subtilis comprising elements of phage, plasmid and transposon vectors. 1988 , 73, 215-26		10
963	The mechanism of loading of the FLP recombinase onto its DNA target sequence. <i>Journal of Molecular Biology</i> , 1988 , 204, 283-94	6.5	31
962	Regulation of Nitrogen Fixation (nif) Genes of Azorbizobium caulinodans ORS571 in Culture and in planta. 1988 , 132, 405-411		10
961	Surface antigens of Pseudomonas syringae pv. syringae are associated with pathogenicity. 1988 , 33, 459-471		21

960	Yeast gene SRP1 (serine-rich protein). Intragenic repeat structure and identification of a family of SRP1-related DNA sequences. <i>Journal of Molecular Biology</i> , 1988 , 202, 455-70	6.5	38
959	Phenotypic and genotypic assays for the detection and identification of adhesins from pyelonephritic Escherichia coli. 1988 , 139, 557-73		25
958	Crystals of a nucleosome core particle containing defined sequence DNA. <i>Journal of Molecular Biology</i> , 1988 , 199, 161-70	6.5	72
957	Expression of cloned Xanthomonasd-xylose catabolic genes in Zymomonas mobilis. 1988 , 7, 61-70		30
956	Defining domains in type-I restriction and modification enzymes. 1988 , 74, 239-41		6
955	Investigation of minor components of Escherichia coli type 1 fimbriae: protein chemical and immunological aspects. 1988 , 4, 231-8		90
954	A rapid and versatile site-directed method of mutagenesis for double-stranded plasmid DNA. 1988 , 69, 325-30		8
953	Induction of a nodA-lacZ Fusion in Bradyrhizobium japonicum by an Isoflavone. 1988 , 132, 394-397		26
952	Escherichia coli lacZ gene as a biochemical and histochemical marker in plant cells. 1988 , 66, 19-29		21
951	Cloning, physical mapping and expression of chromosomal genes specifying degradation of the herbicide 2,4,5-T by Pseudomonas cepacia AC1100. 1988 , 71, 267-77		63
950	Detection by molecular hybridization of pap, afa, and sfa adherence systems in Escherichia coli strains associated with urinary and enteral infections. 1988 , 139, 575-88		44
949	Transcriptional patterns for the thrS-infC-rplT operon of Escherichia coli. 1988 , 63, 309-20		28
948	Selection for signal sequence mutations that enhance production of secreted human proinsulin by Escherichia coli. 1988 , 71, 147-56		9
947	A bacterial pathogenicity determinant associated with necrotizing enterocolitis. 1988 , 5, 427-36		22
946	Construction of a chimaeric type 1/type 2 poliovirus by genetic recombination. 1988 , 139, 79-88		8
945	Cloning and characterization of a novel beta-galactosidase-coding gene from Rhizobium meliloti. 1988 , 71, 57-64		8
944	The isolation, characterization and nucleotide sequence of the phosphoglucoisomerase gene of Saccharomyces cerevisiae. 1988 , 73, 153-61		32
943	Kinetics of plasmid transformation in Zymomonas mobilis. 1988 , 8, 317-320		2

942	Transfer of mlt mutations into polyomavirus intronless genomes by intramolecular recombination in bacteria. 1988 , 62, 153-8	1
941	Processed mRNA with differential stability in the regulation of E. coli pilin gene expression. 1988 , 52, 197-206	164
940	Cosmid library construction. <i>Methods in Molecular Biology</i> , 1988 , 4, 257-83	3
939	Specialized binary vector for plant transformation: expression of the Arabidopsis thaliana AHAS gene in Nicotiana tabacum. 1988 , 16, 10765-82	127
938	Transposon Tn5 Mutagenesis of Genes Encoding Reaction Centre and Light-harvesting LH1 Polypeptides of Rhodobacter sphaeroides. 1988 , 134, 1481-1489	O
937	Tn7 transposition: two transposition pathways directed by five Tn7-encoded genes. 1988 , 2, 137-49	92
936	Construction of a shuttle vector for inducible gene expression in Escherichia coli and Bacillus subtilis. 1988 , 134, 605-9	20
935	Interaction between pap-encoded pilin and adhesin gene products of uropathogenic Escherichia coli. 1988 , 10 Suppl 2, S300-5	2
934	Transposon-mediated amikacin resistance in Klebsiella pneumoniae. 1988 , 32, 1416-20	34
933	Structure and genomic organization of I elements involved in I-R hybrid dysgenesis in Drosophila melanogaster. 1988 , 16, 9199-213	58
932	Molecular cloning of a gene affecting the autolysin level and flagellation in Bacillus subtilis. 1988 , 134, 1611-21	25
931	Joining of nonhomologous DNA double strand breaks in vitro. 1988 , 16, 907-24	157
930	Chimeric multispecific DNA methyltransferases with novel combinations of target recognition. 1988 , 16, 6649-58	76
929	Human C5a anaphylatoxin: gene synthesis, expression, and recovery of biologically active material from Escherichia coli. 1988 , 162, 653-68	21
928	Construction of an expression vector for the fission yeast Schizosaccharomyces pombe. 1988 , 16, 8603-17	18
927	Plasmid analysis and cloning of the dichloromethane-utilization genes of Methylobacterium sp. DM4. 1988 , 134, 943-52	13
926	Cloning and expression in Escherichia coli of a recA-like gene from the acidophilic autotroph Thiobacillus ferrooxidans. 1988 , 134, 1141-6	4
925	The sensitivity of DNA cleavage by Spel and ApaLI to methylation by M.EcoK. 1988 , 16, 5206	6

924	Physical mapping of the Mycoplasma pneumoniae genome. 1988 , 16, 8323-36	57
923	Transferable amikacin resistance in Acinetobacter spp. due to a new type of 3'-aminoglycoside phosphotransferase. 1988 , 32, 15-9	64
922	Molecular cloning and mechanism of trimethoprim resistance in Haemophilus influenzae. 1988 , 32, 477-84	20
921	Structural bases of a long-stretched deletion: completing the lambda plac5 DNA primary structure. 1988 , 16, 10199-212	3
920	Cloning and expression of the imipenem-hydrolyzing beta-lactamase operon from Pseudomonas maltophilia in Escherichia coli. 1988 , 32, 819-26	26
919	Molecular analysis of GCN3, a translational activator of GCN4: evidence for posttranslational control of GCN3 regulatory function. 1988 , 8, 4808-20	85
918	Genetic evidence for promoter competition in Saccharomyces cerevisiae. 1988 , 8, 4608-15	62
917	In vitro excision of adeno-associated virus DNA from recombinant plasmids: isolation of an enzyme fraction from HeLa cells that cleaves DNA at poly(G) sequences. 1988 , 8, 2513-22	42
916	Nucleotide sequence of the genetic loci encoding subunits of Bradyrhizobium japonicum uptake hydrogenase. 1988 , 85, 8395-9	104
915	Transposable and nontransposable elements similar to the I factor involved in inducer-reactive (IR) hybrid dysgenesis in Drosophila melanogaster coexist in various Drosophila species. 1988 , 85, 1141-5	32
914	Suppression of the Escherichia coli ssb-1 mutation by an allele of groEL. 1988, 85, 3767-71	14
913	Rhizobium meliloti nodA and nodB genes are involved in generating compounds that stimulate mitosis of plant cells. 1988 , 85, 8578-82	82
912	Synthesis of an opine-like compound, a rhizopine, in alfalfa nodules is symbiotically regulated. 1988 , 85, 9133-7	73
911	Molecular evolution of lytic enzymes of Streptococcus pneumoniae and its bacteriophages. 1988 , 85, 914-8	151
910	Cytotoxic activity of an interleukin 2-Pseudomonas exotoxin chimeric protein produced in Escherichia coli. 1988 , 85, 1922-6	106
909	A regulatory region responsible for proline-specific induction of the yeast PUT2 gene is adjacent to its TATA box. 1988 , 8, 4634-41	40
908	GAL11 protein, an auxiliary transcription activator for genes encoding galactose-metabolizing enzymes in Saccharomyces cerevisiae. 1988 , 8, 4991-9	143
907	Role of indoleacetic acid-lysine synthetase in regulation of indoleacetic acid pool size and virulence of Pseudomonas syringae subsp. savastanoi. <i>Journal of Bacteriology</i> , 1988 , 170, 2367-73	63

906	Cloning of genes from mucoid Pseudomonas aeruginosa which control spontaneous conversion to the alginate production phenotype. <i>Journal of Bacteriology</i> , 1988 , 170, 1452-60	3.5	80
905	New aerobactin-mediated iron uptake system in a septicemia-causing strain of Enterobacter cloacae. <i>Journal of Bacteriology</i> , 1988 , 170, 5539-44	3.5	22
904	Rhizobium meliloti genes required for C4-dicarboxylate transport and symbiotic nitrogen fixation are located on a megaplasmid. <i>Journal of Bacteriology</i> , 1988 , 170, 927-34	3.5	116
903	Detection of the IAA Biosynthetic Pathway from Tryptophan via Indole-3-Acetamide in Bradyrhizobium spp 1988 ,		2
902	Nucleotide sequence for the hemD gene of Escherichia coli encoding uroporphyrinogen III synthase and initial evidence for a hem operon. 1988 , 249, 613-6		42
901	Purification, crystallization and properties of porphobilinogen deaminase from a recombinant strain of Escherichia coli K12. 1988 , 254, 427-35		65
900	Nucleotide sequence of the phosphoglycerate kinase gene from the extreme thermophile Thermus thermophilus. Comparison of the deduced amino acid sequence with that of the mesophilic yeast phosphoglycerate kinase. 1988 , 254, 509-17		54
899	Identification and mapping of nitrogen fixation genes of Rhodobacter capsulatus: duplication of a nifA-nifB region. <i>Journal of Bacteriology</i> , 1988 , 170, 693-9	3.5	144
898	Nucleotide sequence and expression in Escherichia coli of the Pseudomonas aeruginosa lasA gene. Journal of Bacteriology, 1988 , 170, 2784-9	3.5	46
897	Cloning of cDNAs and genomic DNAs for high-molecular-weight and low-molecular-weight kininogens. 1988 , 163, 230-40		2
896	Cloning of genes for branched-chain keto acid dehydrogenase in Pseudomonas putida. 1988 , 166, 350-9		2
895	Identification of putative methanol dehydrogenase (moxF) structural genes in methylotrophs and cloning of moxF genes from Methylococcus capsulatus bath and Methylomonas albus BG8. <i>Journal of Bacteriology</i> , 1988 , 170, 2063-9	3.5	28
894	Gene disruption and replacement as a feasible approach for mutagenesis of Campylobacter jejuni. Journal of Bacteriology, 1988 , 170, 1704-8	3.5	168
893	The moxFG region encodes four polypeptides in the methanol-oxidizing bacterium Methylobacterium sp. strain AM1. <i>Journal of Bacteriology</i> , 1988 , 170, 2254-62	3.5	59
892	Expression of diphtheria toxin fragment A and hormone-toxin fusion proteins in toxin-resistant yeast mutants. 1988 , 85, 8386-90		28
891	Cytotoxic activity of an interleukin 6-Pseudomonas exotoxin fusion protein on human myeloma cells. 1988 , 85, 9738-42		67
890	Properties of promoters cloned randomly from the Saccharomyces cerevisiae genome. 1988 , 8, 4217-24		43
889	Cloning of the RNA8 gene of Saccharomyces cerevisiae, detection of the RNA8 protein, and demonstration that it is essential for nuclear pre-mRNA splicing. 1988 , 8, 1067-75		74

888	Oxygen-dependent upstream activation sites of Saccharomyces cerevisiae cytochrome c genes are related forms of the same sequence. 1988 , 8, 2275-9		19
887	Distribution and diversity of hsd genes in Escherichia coli and other enteric bacteria. <i>Journal of Bacteriology</i> , 1988 , 170, 1775-82	3.5	45
886	Highly repetitive tRNA(Pro)-tRNA(His) gene cluster from Photobacterium phosphoreum. <i>Journal of Bacteriology</i> , 1988 , 170, 5601-6	3.5	10
885	An iron-antagonized fungistatic agent that is not required for iron assimilation from a fluorescent rhizosphere pseudomonad. <i>Journal of Bacteriology</i> , 1988 , 170, 163-70	3.5	68
884	Recognition of Escherichia coli attTn7 by transposon Tn7: lack of specific sequence requirements at the point of Tn7 insertion. <i>Journal of Bacteriology</i> , 1988 , 170, 2832-40	3.5	40
883	Use of a gene replacement cosmid vector for cloning alginate conversion genes from mucoid and nonmucoid Pseudomonas aeruginosa strains: algS controls expression of algT. <i>Journal of Bacteriology</i> , 1988 , 170, 3228-36	3.5	69
882	Genetic determinants for catabolite induction of antibiotic biosynthesis in Pseudomonas fluorescens HV37a. <i>Journal of Bacteriology</i> , 1988 , 170, 380-5	3.5	34
881	Direct repeats flanking the Bacteroides transposon Tn4351 are insertion sequence elements. Journal of Bacteriology, 1988 , 170, 449-51	3.5	21
880	Nucleotide sequence analysis of a gene cloned from Leptospira biflexa serovar patoc which complements an argE defect in Escherichia coli. <i>Journal of Bacteriology</i> , 1988 , 170, 4548-54	3.5	14
879	Molecular cloning, heterologous expression, and primary structure of the structural gene for the copper enzyme nitrous oxide reductase from denitrifying Pseudomonas stutzeri. <i>Journal of Bacteriology</i> , 1988 , 170, 4658-68	3.5	126
878	Autogenous regulation and kinetics of induction of Pseudomonas aeruginosa recA transcription as analyzed with operon fusions. <i>Journal of Bacteriology</i> , 1988 , 170, 4699-705	3.5	14
877	Duplication of a 2,4-dichlorophenoxyacetic acid monooxygenase gene in Alcaligenes eutrophus JMP134(pJP4). <i>Journal of Bacteriology</i> , 1988 , 170, 5669-72	3.5	28
876	Complementation and hybridization evidence for additional families of type I DNA restriction and modification genes in Salmonella serotypes. <i>Journal of Bacteriology</i> , 1988 , 170, 5785-8	3.5	10
875	Characterization of a gene cluster for exopolysaccharide biosynthesis and virulence in Erwinia stewartii. <i>Journal of Bacteriology</i> , 1988 , 170, 865-71	3.5	95
874	Introduction of the Escherichia coli gdhA gene into Rhizobium phaseoli: effect on nitrogen fixation. Journal of Bacteriology, 1988 , 170, 985-8	3.5	16
873	Transcriptional and translational analyses of recA mutant alleles in Pseudomonas aeruginosa. Journal of Bacteriology, 1988 , 170, 1637-50	3.5	25
872	Genetic organization and transcriptional analysis of a major gene cluster involved in siderophore biosynthesis in Pseudomonas putida WCS358. <i>Journal of Bacteriology</i> , 1988 , 170, 1812-9	3.5	41
871	Site-specific integration in Saccharopolyspora erythraea and multisite integration in Streptomyces lividans of actinomycete plasmid pSE101. <i>Journal of Bacteriology</i> , 1988 , 170, 2287-95	3.5	35

870	Isolation and characterization of pathogenicity genes of Pseudomonas syringae pv. tabaci. <i>Journal of Bacteriology</i> , 1988 , 170, 2584-91	3.5	21	
869	Cosmid cloning of five Zymomonas trp genes by complementation of Escherichia coli and Pseudomonas putida trp mutants. <i>Journal of Bacteriology</i> , 1988 , 170, 3158-63	3.5	8	
868	Resistance to macrolides, lincosamides and streptogramin type B antibiotics due to a mutation in an rRNA operon of Streptomyces ambofaciens <i>EMBO Journal</i> , 1988 , 7, 277-282	13	32	
867	Sequential order of target-recognizing domains in multispecific DNA-methyltransferases <i>EMBO Journal</i> , 1988 , 7, 2601-2609	13	65	
866	Cloning of the mitochondrial genome of Rana catesbeiana and the nucleotide sequences of the ND2 and five tRNA genes. 1988 , 103, 474-81		13	
865	Genetic manipulation of major P-fimbrial subunits and consequences for formation of fimbriae. <i>Journal of Bacteriology</i> , 1988 , 170, 5870-6	3.5	26	
864	Growth-rate-dependent expression and cloning of gnd alleles from natural isolates of Escherichia coli. <i>Journal of Bacteriology</i> , 1988 , 170, 365-71	3.5	24	
863	Synthesis and overproduction of the 5A protein of insertion sequence IS5. <i>Journal of Bacteriology</i> , 1988 , 170, 5368-70	3.5	4	
862	Molecular cloning, expression, and regulation in Escherichia coli K-12 of a chromosome-mediated aerobactin iron transport system from a human invasive isolate of E. coli K1. <i>Journal of Bacteriology</i> , 1988 , 170, 5529-38	3.5	16	
861	Role of the 5' upstream sequence and tandem promoters in regulation of the rpsU-dnaG-rpoD macromolecular synthesis operon. <i>Journal of Bacteriology</i> , 1988 , 170, 5759-64	3.5	6	
860	Analysis of the diphtheria tox promoter by site-directed mutagenesis. <i>Journal of Bacteriology</i> , 1988 , 170, 5949-52	3.5	24	
859	An N-terminal domain of the tetracycline resistance protein increases susceptibility to aminoglycosides and complements potassium uptake defects in Escherichia coli. <i>Journal of Bacteriology</i> , 1988 , 170, 598-604	3.5	32	
858	Structure and antigenic properties of the tip-located P pilus proteins of uropathogenic Escherichia coli. <i>Journal of Bacteriology</i> , 1988 , 170, 1887-94	3.5	66	
857	Structural and functional analysis of Tn4430: identification of an integrase-like protein involved in the co-integrate-resolution process <i>EMBO Journal</i> , 1988 , 7, 1515-1526	13	93	
856	lac permease of Escherichia coli containing a single histidine residue is fully functional. 1988 , 85, 1467-	71	41	
855	Dicarboxylic acid transport in Bradyrhizobium japonicum: use of Rhizobium meliloti dct gene(s) to enhance nitrogen fixation. <i>Journal of Bacteriology</i> , 1988 , 170, 184-9	3.5	38	
854	Cloning and nucleotide sequences of histidase and regulatory genes in the Bacillus subtilis hut operon and positive regulation of the operon. <i>Journal of Bacteriology</i> , 1988 , 170, 3199-205	3.5	68	
853	Assembly of mutant pilins in Pseudomonas aeruginosa: formation of pili composed of heterologous subunits. <i>Journal of Bacteriology</i> , 1989 , 171, 2142-7	3.5	46	

852	Biochemical and genetic analyses of acetoin catabolism in Alcaligenes eutrophus. <i>Journal of Bacteriology</i> , 1989 , 171, 6539-48	3.5	32
851	Cyanide production by Pseudomonas fluorescens helps suppress black root rot of tobacco under gnotobiotic conditions. <i>EMBO Journal</i> , 1989 , 8, 351-358	13	436
850	Cloning of a Thermomonospora fusca xylanase gene and its expression in Escherichia coli and Streptomyces lividans. <i>Journal of Bacteriology</i> , 1989 , 171, 2963-9	3.5	70
849	Molecular cloning of the recA analog from the marine fish pathogen Vibrio anguillarum 775. Journal of Bacteriology, 1989 , 171, 6367-71	3.5	16
848	The Saccharomyces cerevisiae PUT3 activator protein associates with proline-specific upstream activation sequences. 1989 , 9, 4706-12		71
847	The integrated conjugative plasmid pSAM2 of Streptomyces ambofaciens is related to temperate bacteriophages <i>EMBO Journal</i> , 1989 , 8, 973-980	13	89
846	Nucleotide sequence and transcriptional organization of the Escherichia coli enterobactin biosynthesis cistrons entB and entA. <i>Journal of Bacteriology</i> , 1989 , 171, 784-90	3.5	59
845	Construction and shuttling of novel bifunctional vectors for Streptomyces spp. and Escherichia coli. <i>Journal of Bacteriology</i> , 1989 , 171, 1569-73	3.5	7
844	Molecular cloning of a gene for indole-3-acetamide hydrolase from Bradyrhizobium japonicum. <i>Journal of Bacteriology</i> , 1989 , 171, 1718-24	3.5	45
843	Nucleotide sequence analysis and expression of the minimum REPI replication region and incompatibility determinants of pColV-K30. <i>Journal of Bacteriology</i> , 1989 , 171, 2195-201	3.5	21
842	Two Haemophilus influenzae Rd genes that complement the recA-like mutation rec-1. <i>Journal of Bacteriology</i> , 1989 , 171, 2451-7	3.5	21
841	Product of the Lactococcus lactis gene required for malolactic fermentation is homologous to a family of positive regulators. <i>Journal of Bacteriology</i> , 1989 , 171, 3108-14	3.5	58
840	An ice nucleation reporter gene system: identification of inducible pathogenicity genes in Pseudomonas syringae pv. phaseolicola <i>EMBO Journal</i> , 1989 , 8, 1291-1301	13	104
839	Action at a distance in Mu DNA transposition: an enhancer-like element is the site of action of supercoiling relief activity by integration host factor (IHF) <i>EMBO Journal</i> , 1989 , 8, 3483-3489	13	58
838	Genetic organization and sequence of the Pseudomonas cepacia genes for the alpha and beta subunits of protocatechuate 3,4-dioxygenase. <i>Journal of Bacteriology</i> , 1989 , 171, 5915-21	3.5	43
837	A recB recC sbcB recJ host prevents recA-independent deletions in recombinant cosmid DNA propagated in Escherichia coli. <i>Journal of Bacteriology</i> , 1989 , 171, 1068-74	3.5	20
836	Localization of the control region for expression of exotoxin A in Pseudomonas aeruginosa. <i>Journal of Bacteriology</i> , 1989 , 171, 2599-604	3.5	19
835	Cloning, genetic characterization, and nucleotide sequence of the hemA-prfA operon of Salmonella typhimurium. <i>Journal of Bacteriology</i> , 1989 , 171, 3948-60	3.5	84

834	New mutations fts-36, lts-33, and ftsW clustered in the mra region of the Escherichia coli chromosome induce thermosensitive cell growth and division. <i>Journal of Bacteriology</i> , 1989 , 171, 5523	3-3ð ^{:5}	73	
833	DNA amplification in Streptomyces achromogenes subsp. rubradiris is accompanied by a deletion, and the amplified sequences are conditionally stable and can be eliminated by two pathways. <i>Journal of Bacteriology</i> , 1989 , 171, 5817-22	3.5	8	
832	Molecular cloning and sequence analysis of the structural gene of ferredoxin I from the photosynthetic bacterium Rhodobacter capsulatus. <i>Journal of Bacteriology</i> , 1989 , 171, 6218-26	3.5	71	
831	Cloning and nucleotide sequence of braC, the structural gene for the leucine-, isoleucine-, and valine-binding protein of Pseudomonas aeruginosa PAO. <i>Journal of Bacteriology</i> , 1989 , 171, 6300-6	3.5	37	
830	Evolutionary perspectives on multiresistance beta-lactamase transposons. <i>Journal of Bacteriology</i> , 1989 , 171, 6423-9	3.5	22	
829	Identification and cloning of the conjugative transfer region of Staphylococcus aureus plasmid pGO1. <i>Journal of Bacteriology</i> , 1989 , 171, 684-91	3.5	53	
828	Identification and isolation of genes essential for H2 oxidation in Rhodobacter capsulatus. <i>Journal of Bacteriology</i> , 1989 , 171, 714-21	3.5	23	
827	Identification of polypeptides encoded by cloned pJM1 iron uptake DNA isolated from Vibrio anguillarum 775. <i>Journal of Bacteriology</i> , 1989 , 171, 2293-302	3.5	6	
826	Ntr-like promoters and upstream regulatory sequence ftr are required for transcription of a developmentally regulated Caulobacter crescentus flagellar gene. <i>Journal of Bacteriology</i> , 1989 , 171, 3218-27	3.5	77	
825	Identification of Bradyrhizobium nod genes involved in host-specific nodulation. <i>Journal of Bacteriology</i> , 1989 , 171, 3324-30	3.5	22	
824	Isolation and characterization of the 7S RNA gene from Methanococcus voltae. <i>Journal of Bacteriology</i> , 1989 , 171, 4261-6	3.5	22	
823	Spermidine biosynthesis in Escherichia coli: promoter and termination regions of the speED operon. <i>Journal of Bacteriology</i> , 1989 , 171, 4457-65	3.5	18	
822	Evidence for unlinked rrn operons in the Planctomycete Pirellula marina. <i>Journal of Bacteriology</i> , 1989 , 171, 5025-30	3.5	53	
821	Expression of the Saccharomyces Diastaticus STA1 Gene in Brewing Yeasts1. 1989 , 47, 87-91		18	
820	Heterologous expression of the alpha-amylase inhibitor gene cloned from an amplified genomic sequence of Streptomyces tendae. <i>Journal of Bacteriology</i> , 1989 , 171, 4953-7	3.5	35	
819	Implication of nifA in regulation of genes located on a Rhizobium meliloti cryptic plasmid that affect nodulation efficiency. <i>Journal of Bacteriology</i> , 1989 , 171, 4154-61	3.5	47	
818	A general method for detecting rearrangements in a bacterial genome. 1989 , 86, 5507-11		5	
817	Gene transfer system for Rhodopseudomonas viridis. <i>Journal of Bacteriology</i> , 1989 , 171, 4425-35	3.5	25	

816	Structural genes for the vanadium nitrogenase from Azotobacter chroococcum <i>EMBO Journal</i> , 1989 , 8, 1217-1224	76
815	Isolation, nucleotide sequence, and preliminary characterization of the Escherichia coli K-12 hemA gene. <i>Journal of Bacteriology</i> , 1989 , 171, 4728-35	74
814	Regulatory genes in the thermoregulation of Escherichia coli pili gene transcription. 1989 , 3, 123-30	38
813	Cloning and Genetic Analysis of Six Pyrroloquinoline Quinone Biosynthesis Genes in Methylobacterium organophilum DSM 760. 1989 , 135, 2917-2929	4
812	Self-transmissible nif-plasmids in Entevobacter. 1989 , 173-178	8
811	Characterization of the glycinin gene family in soybean. 1989 , 1, 313-28	333
810	Symbiotic Plasmid Rearrangement in a Hyper-recombinant Mutant of Rhizobium leguminosarum biovar phaseoli. 1989 , 135, 47-54	
809	ampG is essential for high-level expression of AmpC beta-lactamase in Enterobacter cloacae. 1989 , 33, 1946-51	110
808	Aminoglycoside uptake increased by tet gene expression. 1989 , 33, 1549-52	17
807	Decreased outer membrane permeability in imipenem-resistant mutants of Pseudomonas aeruginosa. 1989 , 33, 1202-6	87
806	Molecular characterization of a neutralizing domain of the Japanese encephalitis virus structural glycoprotein. 1989 , 70 (Pt 8), 2037-49	90
805	Production of two human 2',5'-oligoadenylate synthetase enzymes in Escherichia coli. 1989 , 9, 295-304	20
804	Cloning and expression of Xylella fastidiosa antigens in Escherichia coli and Erwinia stewartii. 1989 , 35, 487-491	3
803	Structure of human angiotensinogen gene. 1989 , 8, 87-99	123
802	Endoplasmic reticulum targeting and glycosylation of hybrid proteins in transgenic tobacco. 1989 , 1, 381-90	105
801	Transfer RNA genes frequently serve as integration sites for prokaryotic genetic elements. 1989 , 17, 1907-14	243
800	Nucleotide sequence of katF of Escherichia coli suggests KatF protein is a novel sigma transcription factor. 1989 , 17, 9979-91	243
799	Endoplasmic Reticulum Targeting and Glycosylation of Hybrid Proteins in Transgenic Tobacco. 1989 , 1, 381	8

798	Use of synthetic ribosome binding site for overproduction of the 5B protein of insertion sequence IS5. 1989 , 17, 1933-51	5
797	A screen for SVgpt in E. coli DH5 delta lac and DH5 alpha: small colony phenotype. 1989 , 17, 10499	1
796	Single-stranded DNA gaps, tails and loops are repaired in Escherichia coli. 1989 , 211, 181-8	5
795	Overlapping direct repeats stimulate deletions in specially designed derivatives of plasmid pBR325 in Escherichia coli. 1989 , 214, 233-52	20
794	DNA sequence and comparative analyses of the equine herpesvirus type 1 immediate early gene. 1989 , 172, 223-36	92
793	Bacteriophage T4 late gene expression: overlapping promoters direct divergent transcription of the base plate gene cluster. 1989 , 171, 475-83	14
792	Symbiotic and galactose utilization properties of phage RMP64-resistant mutants affecting three complementation groups inRhizobium meliloti. 1989 , 68, 93-108	12
791	Related plasmids found in an English Lake district stream. 1989 , 18, 211-20	14
790	Constitutive expression of a developmentally regulated gene,gdh fromBacillus subtilis. 1989 , 18, 165-170	
7 ⁸ 9	Mutation(s) necessary for the residence of RP4 inXanthomonas campestris pv.Citri. 1989 , 19, 217-222	2
788	Release of mycoplasmavirus L1 upon transfection of Acholeplasma laidlawii with homologous and heterologous viral DNA. 1989 , 107, 1-13	4
	neterologous viral DNA. 1969, 107, 1-15	
787	DNA transfer from Agrobacterium to Zea mays or Brassica by agroinfection is dependent on bacterial virulence functions. <i>Molecular Genetics and Genomics</i> , 1989 , 217, 309-16	63
787 786	DNA transfer from Agrobacterium to Zea mays or Brassica by agroinfection is dependent on	63
	DNA transfer from Agrobacterium to Zea mays or Brassica by agroinfection is dependent on bacterial virulence functions. <i>Molecular Genetics and Genomics</i> , 1989 , 217, 309-16 Transposable elements of Xanthomonas campestris pv.citri originating from indigenous plasmids.	
786	DNA transfer from Agrobacterium to Zea mays or Brassica by agroinfection is dependent on bacterial virulence functions. <i>Molecular Genetics and Genomics</i> , 1989 , 217, 309-16 Transposable elements of Xanthomonas campestris pv.citri originating from indigenous plasmids. <i>Molecular Genetics and Genomics</i> , 1989 , 217, 505-510	10
786 785	DNA transfer from Agrobacterium to Zea mays or Brassica by agroinfection is dependent on bacterial virulence functions. <i>Molecular Genetics and Genomics</i> , 1989 , 217, 309-16 Transposable elements of Xanthomonas campestris pv.citri originating from indigenous plasmids. <i>Molecular Genetics and Genomics</i> , 1989 , 217, 505-510 Detection of pectolytic activity andpel homologous sequences in Frankia. 1989 , 118, 221-229 A procedure for the preparation of bacterial DNA that employs dimethyl sulfoxide to induce the	10
786 785 784	DNA transfer from Agrobacterium to Zea mays or Brassica by agroinfection is dependent on bacterial virulence functions. <i>Molecular Genetics and Genomics</i> , 1989 , 217, 309-16 Transposable elements of Xanthomonas campestris pv.citri originating from indigenous plasmids. <i>Molecular Genetics and Genomics</i> , 1989 , 217, 505-510 Detection of pectolytic activity andpel homologous sequences in Frankia. 1989 , 118, 221-229 A procedure for the preparation of bacterial DNA that employs dimethyl sulfoxide to induce the lysis of cells. 1989 , 176, 464-7 The C-terminal half of the 11-kDa subunit VIII is not necessary for the enzymic activity of yeast	10 25 4

780	Mutants of the hepatitis B virus surface antigen that define some antigenically essential residues in the immunodominant a region. 1989 , 29, 196-203		53
779	Mutations that change the immunological subtype of hepatitis B virus surface antigen and distinguish between antigenic and immunogenic determination. 1989 , 29, 204-14		36
778	Characterization of new resistance plasmids belonging to incompatibility group IncQ. 1989 , 29, 695-706	;	25
777	Efficient simplified cosmid cloning: construction and characterization of cosmid vectors that carry the two cohesive end sites of lambda phages arrayed in tandem. 1989 , 176, 117-27		8
776	Genetic characterization of the spaA1 determinant of the surface protein antigen gene from Streptococcus sobrinus 6715. 1989 , 21, 1245-54		
775	Cloning of the LEU2 gene of Saccharomyces cerevisiae by in vivo recombination. <i>Archives of Microbiology</i> , 1989 , 152, 263-8	3	2
774	Expression of invertase activity in Yarrowia lipolytica and its use as a selective marker. 1989 , 16, 253-60		102
773	Dependence of inessential late gene expression on early meiotic events in Saccharomyces cerevisiae. <i>Molecular Genetics and Genomics</i> , 1989 , 215, 490-500		25
772	The use of lambda plac-Mu hybrid phages in Klebsiella pneumoniae and the isolation of stable Hfr strains. <i>Molecular Genetics and Genomics</i> , 1989 , 215, 529-36		21
771	Genetic and structural characterization of the avirulence gene avrBs3 from Xanthomonas campestris pv. vesicatoria. <i>Molecular Genetics and Genomics</i> , 1989 , 218, 127-36		287
770	Genes coding for the reversible ADP-ribosylation system of dinitrogenase reductase from Rhodospirillum rubrum. <i>Molecular Genetics and Genomics</i> , 1989 , 218, 340-7		97
769	An Escherichia coli cis-acting antiterminator sequence: the dnaG nut site. <i>Molecular Genetics and Genomics</i> , 1989 , 216, 195-203		8
768	A functional analysis of the repeated methionine initiator tRNA genes (IMT) in yeast. <i>Molecular Genetics and Genomics</i> , 1989 , 216, 276-86		25
767	Heat shock response in Escherichia coli promotes assembly of plasmid encoded RNA polymerase beta-subunit into RNA polymerase. <i>Molecular Genetics and Genomics</i> , 1989 , 216, 469-74		12
766	Phleomycin resistance as a dominant selectable marker for plant cell transformation. 1989 , 13, 365-73		51
765	Transformation of homozygous diploid potato with an Agrobacterium tumefaciens binary vector system by adventitious shoot regeneration on leaf and stem segments. 1989 , 12, 329-37		86
764	The formation of an oxygen-binding flavohemoprotein in Alcaligenes eutrophus is plasmid-determined. <i>Archives of Microbiology</i> , 1989 , 151, 546-550	3	16
763	Complete maps of IS1, IS2, IS3, IS4, IS5, IS30 and IS150 locations in Escherichia coli K12. <i>Molecular Genetics and Genomics</i> , 1989 , 220, 147-53		57

762	The Rhizobium meliloti early nodulation genes (nodABC) are nitrogen-regulated: Isolation of a mutant strain with efficient nodulation capacity on alfalfa in the presence of ammonium. <i>Molecular Genetics and Genomics</i> , 1989 , 219, 89-96		64	
761	In vivo selected promoter and ribosome binding site up-mutations: demonstration that the Escherichia coli bla promoter and a Shine-Dalgarno region with low complementarity to the 16 S ribosomal RNA function in Bacillus subtilis. <i>Molecular Genetics and Genomics</i> , 1989 , 219, 129-36		4	
760	A functional analysis of T-DNA gene 6b: the fine tuning of cytokinin effects on shoot development. <i>Molecular Genetics and Genomics</i> , 1989 , 219, 209-16		44	
759	Common nodABC genes in Nod locus 1 of Azorhizobium caulinodans: nucleotide sequence and plant-inducible expression. <i>Molecular Genetics and Genomics</i> , 1989 , 219, 289-98		74	
758	Expression of tuna growth hormone cDNA in Escherichia coli. <i>Applied Microbiology and Biotechnology</i> , 1989 , 30, 153	5.7	12	
757	Subcloning and expression of the \square -amylase gene from Bacillus subtilis in Xanthomonas campestris. <i>Applied Microbiology and Biotechnology</i> , 1989 , 31-31, 512-517	5.7	2	
756	The right end of MudI(Ap,lac). Archives of Microbiology, 1989, 153, 1-6	3	9	
755	Efficient transformation of potato (Solanum tuberosum L.) using a binary vector in Agrobacterium rhizogenes. 1989 , 78, 594-600		42	
754	The carboxyl terminal domain of Escherichia coli DNA topoisomerase I confers higher affinity to DNA. 1989 , 6, 249-58		40	
753	Substrate specificities in class A beta-lactamases: preference for penams vs. cephems. The role of residue 237. 1989 , 6, 275-83		46	
752	Construction of shuttle vectors useful for transformingClostridium acetobutylicum. 1989 , 58, 15-19		31	
751	Occurrence ofSalmonella typhimuriumvirulence plasmid-specific sequences in different serovars ofSalmonella. 1989 , 58, 49-54		26	
75°	hyd[], a gene fromDesulfovibrio vulgaris(Hildenborough) encodes a polypeptide homologous to the periplasmic hydrogenase. 1989 , 58, 217-222		30	
749	Construction of a secretion vector production of peptide hormones in Escherichia coli (extracellular production of calcitonin as fused protein). 1989 , 57, 339-344		3	
748	Plasmid analysis in pink facultative methylotrophic bacteria using a modified acetone-alkaline hydrolysis method. 1989 , 60, 125-130		6	
747	Electroporation of Azospirillum brasilensewith plasmid DNA. 1989, 61, 177-182		11	
746	Complementation of Azotobacter chroococcumhydrogenase mutants by clonedhupdeterminants from Bradyrhizobium japonicum and Azotobacter chroococcum. 1989 , 65, 53-58		8	
745	Characterization of a methyl-specific restriction system inClostridium acetobutylicumstrain N1-4081. 1989 , 65, 323-326		8	

744	Construction, transfer and properties of a novel temperature-sensitive integrable plasmid for genomic analysis of Staphylococcus aureus. 1989 , 3, 65-78	22
743	Positive control of colanic acid synthesis in Escherichia coli by rmpA and rmpB, two virulence-plasmid genes of Klebsiella pneumoniae. 1989 , 3, 1349-59	84
742	Upstream activating sequences that are shared by two divergently transcribed operons mediate cAMP-CRP regulation of pilus-adhesin in Escherichia coli. 1989 , 3, 1557-65	91
741	Molecular cloning of the outJ gene involved in pectate lyase secretion by Erwinia chrysanthemi. 1989 , 3, 285-93	17
740	The Azorhizobium caulinodans nitrogen-fixation regulatory gene, nifA, is controlled by the cellular nitrogen and oxygen status. 1989 , 3, 825-38	52
739	Pseudomonas aeruginosa cytotoxin: the nucleotide sequence of the gene and the mechanism of activation of the protoxin. 1989 , 3, 861-8	40
738	Characterization of Rhizobium phaseoli Sym plasmid regions involved in nodule morphogenesis and host-range specificity. 1989 , 3, 879-89	12
737	Regulation of the phase switch controlling expression of type 1 fimbriae in Escherichia coli. 1989 , 3, 925-31	42
736	The nifA gene product from Rhizobium leguminosarum biovar trifolii lacks the N-terminal domain found in other NifA proteins. 1989 , 3, 943-55	29
735	A Mycoplasma genetic element resembling prokaryotic insertion sequences. 1989 , 3, 957-67	33
734	Cloning a genomic region required for a high-affinity iron-uptake system in Rhizobium meliloti 1021. 1989 , 3, 1183-9	18
733	Molecular and genetical analysis of the fructose-glucose transport system in the cyanobacterium Synechocystis PCC6803. 1989 , 3, 1221-9	70
732	Characterization of the virA virulence gene of the nopaline plasmid, pTiC58, of Agrobacterium tumefaciens. 1989 , 3, 1237-46	30
731	The nucleotide sequence of the rodC operon of Bacillus subtilis. 1989 , 3, 1257-68	46
730	Fibronectin binding mediated by a novel class of surface organelles on Escherichia coli. 1989, 338, 652-5	497
729	Conservation of organization in the specificity polypeptides of two families of type I restriction enzymes. <i>Journal of Molecular Biology</i> , 1989 , 209, 335-44	65
728	Organization and nucleotide sequence analysis of a ribosomal RNA gene cluster from Streptomyces ambofaciens. 1989 , 79, 33-46	110
727	Identification and genetic analysis of mkaAa gene of the Salmonella typhimurium virulence plasmid necessary for intracellular growth. 1989 , 7, 165-73	34

726	Production of rat epidermal growth factor by Escherichia coli cells containing a secretion plasmid. 1989 , 10, 151-160	12
725	Transposable elements for efficient manipulation of a wide range of gram-negative bacteria: promoter probes and vectors for foreign genes. 1989 , 85, 83-9	18
724	Escherichia coli recA deletion strains that are highly competent for transformation and for in vivo phage packaging. 1989 , 82, 313-5	32
723	Development of a plasmid transfer system for the anaerobic sulphate reducer, Desulfovibrio vulgaris. 1989 , 12, 173-184	28
722	Cloning and hyperexpression of a gene encoding the heat-stable toxin of Escherichia coli. 1989 , 81, 219-26	22
721	The third cellulase of alkalophilic Bacillus sp. strain N-4: evolutionary relationships within the cel gene family. 1989 , 76, 289-98	45
720	Gene engineering by selectable intraplasmid recombination: construction of novel dihydrofolate reductase minigenes. 1989 , 84, 165-72	7
719	Expression of the MuIFN alpha 7 gene in Bacillus subtilis using the levansucrase system. 1989 , 71, 747-55	7
718	Plasmid vectors for constructing translational fusions to the B subunit of cholera toxin. 1989 , 82, 335-42	26
717	KAR2, a karyogamy gene, is the yeast homolog of the mammalian BiP/GRP78 gene. 1989 , 57, 1211-21	654
716	Activation of the lac promoter and its variants. Synergistic effects of catabolite activator protein and supercoiling in vitro. <i>Journal of Molecular Biology</i> , 1989 , 207, 661-73	34
715	Members of the RTVL-H family of human endogenous retrovirus-like elements are expressed in placenta. 1989 , 79, 259-67	34
714	Cloning and characterization of a phosphate-regulated promoter involved in phosphate control of candicidin biosynthesis. 1989 , 79, 47-58	19
713	The steady-state level of potato sucrose synthase mRNA is dependent on wounding, anaerobiosis and sucrose concentration. 1989 , 84, 181-5	122
712	Bombyx mori nuclear polyhedrosis virus-based vectors for expressing passenger genes in silkmoth cells under viral or cellular promoter control. 1989 , 75, 59-71	17
711	Characterization of the plasmid genes blaT-4 and blaT-5 which encode the broad-spectrum beta-lactamases TEM-4 and TEM-5 in enterobacteriaceae. 1989 , 78, 339-48	84
710	GrB deletion of the chorion locus of the silkmoth Bombyx mori. Localization of the left breakpoint and isolation of the deletion junction. <i>Journal of Molecular Biology</i> , 1989 , 205, 633-45	6
709	Localization by insertion mutagenesis of a virulence-associated region on the Salmonella typhimurium 96 kilobase pair plasmid. 1989 , 6, 153-8	28

708	Development of gene probes and evolutionary relationships of the PSE-4 bla gene to plasmid-mediated beta-lactamases of gram-negative bacteria. 1989 , 3, 179-88	4
707	Cloning of mercury-resistance gene from R-plasmid in Escherichia coli isolated from dental hospital sewage. 1989 , 20, 609-14	
706	The activity of the Pseudomonas aeruginosa pilin promoter is enhanced by an upstream regulatory site. 1989 , 81, 25-34	18
7°5	Inter and Intraspecific Transfer of a Rhizobium fredii Symbiotic Plasmid: Expression and Incompatibility of Symbiotic Plasmids. 1989 , 12, 210-215	13
704	Nucleotide sequence of the Erwinia chrysanthemi gene encoding 2-keto-3-deoxygluconate permease. 1989 , 83, 233-41	12
703	Engineering of monomeric bacterial luciferases by fusion of luxA and luxB genes in Vibrio harveyi. 1989 , 81, 335-47	43
702	Determinant of cultivar specific avirulence cloned from Pseudomonas syringae pv. phaseolicola race 3. 1989 , 34, 309-322	24
701	A plasmid vector for the isolation of transcriptional terminators in Bacillus subtilis. 1989 , 78, 179-82	1
700	A versatile phage lambda expression vector system for cloning in Escherichia coli. 1989 , 75, 261-70	20
699	Type 1 fimbriae of Escherichia coli as carriers of heterologous antigenic sequences. 1989 , 85, 115-24	58
698	Characterization of AMD, the AMP deaminase gene in yeast. Production of amd strain, cloning, nucleotide sequence, and properties of the protein. 1989 , 28, 8734-43	46
697	Shuttle plasmids constructed by the transformation of an Escherichia coli cloning vector into two Deinococcus radiodurans plasmids. 1989 , 22, 132-42	27
696	Cloning and genetic analysis of tra cistrons of the Tra 2/Tra 3 region of plasmid RP1. 1989 , 22, 59-69	35
695	The EcoDXX1 restriction and modification system: cloning the genes and homology to type I restriction and modification systems. 1989 , 21, 195-204	19
694	Identification of insertion sequence element IS427 in pTiT37 plasmid DNA of an Agrobacterium tumefaciens T37 isolate. 1989 , 21, 129-37	6
693	Structural analysis of loci involved in pSAM2 site-specific integration in Streptomyces. 1989 , 21, 59-70	46
692	Molecular analysis and nucleotide sequence of the adh1 gene encoding an NADPH-dependent butanol dehydrogenase in the Gram-positive anaerobe Clostridium acetobutylicum. 1989 , 78, 355-64	71
691	Characterization of site-directed mutants in the lac permease of Escherichia coli. 1. Replacement of histidine residues. 1989 , 28, 2525-33	66

690	Molecular organization of genes constituting the virulence determinant on the Salmonella typhimurium 96 kilobase pair plasmid. 1989 , 257, 274-8		33
689	Complete nucleotide sequence and gene organization of the broad-host-range plasmid RSF1010. 1989 , 75, 271-88		346
688	Genetic analysis of mammalian GAP expressed in yeast. 1989 , 59, 681-6		150
687	A putative protein kinase overcomes pheromone-induced arrest of cell cycling in S. cerevisiae. 1989 , 58, 1107-19		288
686	Conservation of complex DNA recognition domains between families of restriction enzymes. 1989 , 56, 103-9		81
685	Identification of a DNA fragment in the genome of Bordetella pertussis carrying repeated DNA sequences also present in other Bordetella species. 1989 , 6, 193-201		7
684	Mutant rho factors with increased transcription termination activities. I. Functional correlations of the primary and secondary polynucleotide binding sites with the efficiency and site-selectivity of rho-dependent termination. <i>Journal of Molecular Biology</i> , 1989 , 210, 23-37	6.5	30
683	Base methylation and local DNA helix stability. Effect on the kinetics of cruciform extrusion. <i>Journal of Molecular Biology</i> , 1989 , 205, 593-602	6.5	38
682	A five-residue sequence near the carboxyl terminus of the polytopic membrane protein lac permease is required for stability within the membrane. 1989 , 86, 3992-6		44
681	Penetration of human intestinal epithelial cells by Salmonella: molecular cloning and expression of Salmonella typhi invasion determinants in Escherichia coli. 1989 , 86, 5173-7		136
<i>6</i> 80	Conjugative transfer of promiscuous IncP plasmids: interaction of plasmid-encoded products with the transfer origin. 1989 , 86, 1771-5		107
679	Characterization of the Glycinin Gene Family in Soybean. 1989 , 1, 313		54
678	Transfer of plasmid pE5-2 from Escherichia coli to Bacteroides gingivalis and B. intermedius. 1989 , 4, 132-4		19
677	Isolation and characterization of mutations in the HXK2 gene of Saccharomyces cerevisiae. 1989 , 9, 563	0-42	32
676	Site-directed mutagenesis of the catalytic residues Asp-52 and Glu-35 of chicken egg white lysozyme. 1989 , 86, 133-7		161
675	Nucleotide sequence of the gene for a fibronectin-binding protein from Staphylococcus aureus: use of this peptide sequence in the synthesis of biologically active peptides. 1989 , 86, 699-703		340
674	Regulation of the iron uptake system in Vibrio anguillarum: evidence for a cooperative effect between two transcriptional activators. 1989 , 86, 3529-33		60
673	The PapG adhesin of uropathogenic Escherichia coli contains separate regions for receptor binding and for the incorporation into the pilus. 1989 , 86, 4357-61		168

672	Localization of the replication origin of plasmid pE194. <i>Journal of Bacteriology</i> , 1989 , 171, 2866-9	3.5	13
671	Involvement of Pseudomonas putida RpoN sigma factor in regulation of various metabolic functions. <i>Journal of Bacteriology</i> , 1989 , 171, 4326-33	3.5	141
670	Cloning and characterization of a Bacteroides conjugal tetracycline-erythromycin resistance element by using a shuttle cosmid vector. <i>Journal of Bacteriology</i> , 1989 , 171, 1294-302	3.5	91
669	Nucleotide sequences and operon structure of plasmid-borne genes mediating uptake and utilization of raffinose in Escherichia coli. <i>Journal of Bacteriology</i> , 1989 , 171, 6753-63	3.5	103
668	Cloning of 1,2-dichloroethane degradation genes of Xanthobacter autotrophicus GJ10 and expression and sequencing of the dhlA gene. <i>Journal of Bacteriology</i> , 1989 , 171, 6791-9	3.5	199
667	Isolation of a Rhizobium phaseoli cytochrome mutant with enhanced respiration and symbiotic nitrogen fixation. <i>Journal of Bacteriology</i> , 1989 , 171, 465-72	3.5	53
666	Rhizobium meliloti 1021 has three differentially regulated loci involved in glutamine biosynthesis, none of which is essential for symbiotic nitrogen fixation. <i>Journal of Bacteriology</i> , 1989 , 171, 1673-82	3.5	96
665	Identification of plasmid and Bacillus subtilis chromosomal recombination sites used for pE194 integration. <i>Journal of Bacteriology</i> , 1989 , 171, 2856-65	3.5	25
664	Genetic and molecular analysis of a Caenorhabditis elegans beta-tubulin that conveys benzimidazole sensitivity. 1989 , 109, 2993-3003		176
663	Overexpression and site-directed mutagenesis of the succinyl-CoA synthetase of Escherichia coli and nucleotide sequence of a gene (g30) that is adjacent to the suc operon. 1989 , 260, 737-47		35
662	Genetic characterization of the stabilizing functions of a region of broad-host-range plasmid RK2. <i>Journal of Bacteriology</i> , 1990 , 172, 6204-16	3.5	104
661	Design of a membrane transport protein for fluorescence spectroscopy. 1990 , 87, 1638-42		48
660	SPT6, an essential gene that affects transcription in Saccharomyces cerevisiae, encodes a nuclear protein with an extremely acidic amino terminus. 1990 , 10, 4935-41		74
659	Repair and recombination of X-irradiated plasmids in Xenopus laevis oocytes. 1990 , 10, 5849-56		14
658	Phosphorylated forms of GAL4 are correlated with ability to activate transcription. 1990 , 10, 4623-9		61
657	HOL1 mutations confer novel ion transport in Saccharomyces cerevisiae. 1990 , 10, 643-52		24
656	Cloning of genes responsible for acetic acid resistance in Acetobacter aceti. <i>Journal of Bacteriology</i> , 1990 , 172, 2096-104	3.5	71
655	F1C fimbriae of a uropathogenic Escherichia coli strain: genetic and functional organization of the foc gene cluster and identification of minor subunits. <i>Journal of Bacteriology</i> , 1990 , 172, 1114-20	3.5	47

654	Repression and catabolite repression of the lactose operon of Staphylococcus aureus. <i>Journal of Bacteriology</i> , 1990 , 172, 3804-12	3.5	79	
653	Mutation and cloning of eryG, the structural gene for erythromycin O-methyltransferase from Saccharopolyspora erythraea, and expression of eryG in Escherichia coli. <i>Journal of Bacteriology</i> , 1990 , 172, 2541-6	3.5	81	
652	Structural and functional stability of IncP plasmids during stepwise transmission by trans-kingdom mating: promiscuous conjugation of Escherichia coli and Saccharomyces cerevisiae. 1990 , 65, 323-34		35	
651	vir genes influence conjugal transfer of the Ti plasmid of Agrobacterium tumefaciens. <i>Journal of Bacteriology</i> , 1990 , 172, 1600-8	3.5	40	
650	Carbohydrate utilization in Streptococcus thermophilus: characterization of the genes for aldose 1-epimerase (mutarotase) and UDPglucose 4-epimerase. <i>Journal of Bacteriology</i> , 1990 , 172, 4037-47	3.5	95	
649	Cloning and sequencing of a Bacteroides ruminicola B(1)4 endoglucanase gene. <i>Journal of Bacteriology</i> , 1990 , 172, 3620-30	3.5	50	
648	Phage-conversion of cytotoxin production in Pseudomonas aeruginosa. 1990 , 4, 1703-9		47	
647	Transcriptional analysis of the glnB-glnA region of Rhizobium leguminosarum biovar viciae. 1990 , 4, 172	7-35	34	
646	The major subunit of Escherichia coli type 1 fimbriae is not required for D-mannose-specific adhesion. 1990 , 4, 553-9		31	
645	Integrity of Escherichia coli P pili during biogenesis: properties and role of PapJ. 1990 , 4, 747-58		25	
644	Localized transposon Tn5 mutagenesis of the photosynthetic gene cluster of Rhodobacter sphaeroides. 1990 , 4, 977-89		124	
643	Structural analysis of the pehA gene and characterization of its protein product, endopolygalacturonase, of Erwinia carotovora subspecies carotovora. 1990 , 4, 1037-44		65	
642	Immunocytochemical analysis of P-fimbrial structure: localization of minor subunits and the influence of the minor subunit FsoE on the biogenesis of the adhesin. 1990 , 4, 1193-8		22	
641	Lipid modification of the 15 kiloDalton major membrane immunogen of Treponema pallidum. 1990 , 4, 1371-9		32	
640	Characterization of the traT gene and mutants that increase outer membrane permeability from the Salmonella typhimurium virulence plasmid. 1990 , 4, 49-57		22	
639	Functional analysis of the fsoC gene product of the F7(1) (fso) fimbrial gene cluster. 1990 , 4, 101-6		4	
638	Identification and cloning of nodulation genes and host specificity determinants of the broad host-range Rhizobium leguminosarum biovar phaseoli strain CIAT899. 1990 , 4, 1899-910		36	
637	A family of ATPases involved in active partitioning of diverse bacterial plasmids. 1990 , 4, 1455-63		167	

636	Cloning and physical mapping of the sor genes for L-sorbose transport and metabolism from Klebsiella pneumoniae. 1990 , 4, 1557-65	18
635	Cloning, nucleotide sequence and amplified expression of the gene encoding the extracellular metallo (Zn) DD-peptidase of Streptomyces albus G. 1990 , 71, 215-219	16
634	Heterologous expression of theBacteroides ruminicolaxylanase gene inBacteroides fragilisandBacteroides uniformis. 1990 , 66, 61-65	19
633	Transfer and expression of the tetracycline resistance transposon Tn925 in Acetobacterium woodii. 1990 , 56, 171-6	9
632	Biotinylated oligonucleotide probes for the detection and the characterization of TEM-type extended broad spectrum [lactamases in enterobacteriaceae. 1990 , 69, 109-115	10
631	Conjugative transfer of a shuttle plasmid forEscherichia colitoMycobacterium smegmatis. 1990 , 69, 135-138	26
630	Expression and nucleotide sequence analysis of the Legionella pneumophila recA gene. 1990 , 58, 227-31	11
629	Efficient cloning in Bacillus megaterium: comparison to Bacillus subtilis and Escherichia coli cloning hosts. 1990 , 58, 305-9	16
628	High efficiency transformation of intact yeast cells by electric field pulses. 1990 , 8, 223-7	103
627	Structural studies of the lysozyme coded by the pneumococcal phage Cp-1. Conformational changes induced by choline. 1990 , 187, 409-16	27
626	Nitrous oxide reductase from denitrifying Pseudomonas stutzeri. Genes for copper-processing and properties of the deduced products, including a new member of the family of ATP/GTP-binding proteins. 1990 , 192, 591-9	79
625	The collagen-binding site of type-II units of bovine seminal fluid protein PDC-109 and fibronectin. 1990 , 193, 801-6	48
624	Comparative Studies of Glucose Catabolism by Escherichia coli Grown in a Complex Medium under Aerobic and Anaerobic Conditions. 1990 , 6, 326-332	17
623	Yeast-derived recombinant human insulin-like growth factor I: production, purification, and structural characterization. 1990 , 9, 95-104	48
622	PHT, a transmissible plasmid responsible for phthalate utilization in Pseudomonas putida. 1990 , 70, 295-300	6
621	Cloning of the human parvovirus B19 genome and structural analysis of its palindromic termini. 1990 , 175, 247-54	106
620	Identification of atypical strains of Streptococcus pneumoniae by a specific DNA probe. 1990 , 9, 396-401	37
619	Formation of ion channels by colicin B in planar lipid bilayers. 1990 , 114, 79-95	21

618	A genetic screen to identify variants of bovine pancreatic trypsin inhibitor with altered folding energetics. 1990 , 7, 16-31	28
617	Isolation and sequence analysis of a K. lactis chromosomal DNA element able to autonomously replicate in S. cerevisiae and K. lactis. 1990 , 6, 69-76	14
616	Characterization of the cytochrome c gene from the starch-fermenting yeast Schwanniomyces occidentalis and its expression in Baker's yeast. 1990 , 6, 429-40	24
615	Expression of foreign epitopes in P-fimbriae of Escherichia coli. <i>Molecular Genetics and Genomics</i> , 1990 , 222, 297-303	16
614	Effect of N-terminal deletion of signal peptide on the secretion of human granulocyte-colony stimulating factor in mammalian cells. 1990 , 12, 87-91	2
613	Structure of the archaebacterial 7S RNA molecule. <i>Molecular Genetics and Genomics</i> , 1990 , 221, 315-21	45
612	The fimD gene required for cell surface localization of Escherichia coli type 1 fimbriae. <i>Molecular Genetics and Genomics</i> , 1990 , 220, 334-8	92
611	Genetic mapping with dispersed repeated sequences in the rice blast fungus: mapping the SMO locus. <i>Molecular Genetics and Genomics</i> , 1990 , 223, 487-95	35
610	Positive and negative regulation of expression of the L-sorbose (sor) operon by SorC in Klebsiella pneumoniae. <i>Molecular Genetics and Genomics</i> , 1990 , 224, 193-200	21
609	Analysis of the haemolysin secretion system by PhoA-HlyA fusion proteins. <i>Molecular Genetics and Genomics</i> , 1990 , 224, 201-8	66
608	Cloning and sequencing the genes encoding uptake-hydrogenase subunits of Rhodocyclus gelatinosus. <i>Molecular Genetics and Genomics</i> , 1990 , 221, 49-58	31
607	Identification and characterization of a defective SSV1 genome integrated into a tRNA gene in the archaebacterium Sulfolobus sp. B12. <i>Molecular Genetics and Genomics</i> , 1990 , 221, 65-71	31
606	The Mu1 transposable element of maize contains two promoter signals recognized by the Escherichia coli RNA polymerase. <i>Molecular Genetics and Genomics</i> , 1990 , 222, 71-6	3
605	Cloning of genes involved in negative regulation of production of extracellular enzymes and polysaccharide of Xanthomonas campestris pathovar campestris. <i>Molecular Genetics and Genomics</i> , 1990 , 222, 157-60	37
604	Sequence conservation among the glucose transporter from the cyanobacterium Synechocystis sp. PCC 6803 and mammalian glucose transporters. 1990 , 14, 697-706	37
603	Organ-specific modulation of gene expression in transgenic plants using antisense RNA. 1990 , 15, 39-47	52
602	Identification and cDNA cloning of a new nodule-specific gene, Nms-25 (nodulin-25) of Medicago sativa. 1990 , 14, 467-75	22
601	Agrobacterium-mediated plant transformation by novel mini-T vectors in conjunction with a high-copy vir region helper plasmid. 1990 , 15, 245-56	21

600	Genetic and physical mapping of an hydrogenase gene cluster from Rhodobacter capsulatus. <i>Molecular Genetics and Genomics</i> , 1990 , 220, 393-399		35
599	Cloning and nucleotide sequence of the gene braB coding for the sodium-coupled branched-chain amino acid carrier in Pseudomonas aeruginosa PAO. <i>Molecular Genetics and Genomics</i> , 1990 , 220, 461-7		28
598	A general method for the transfer of plasmid-borne mutant alleles to the chromosome of Klebsiella pneumoniae using bacteriophage lambda: transfer of pqq genes. <i>Molecular Genetics and Genomics</i> , 1990 , 220, 481-4		5
597	Construction of a new catabolic pathway for D-fructose in Escherichia coli K12 using an L-sorbose-specific enzyme from Klebsiella pneumoniae. <i>Archives of Microbiology</i> , 1990 , 154, 162-7	3	6
596	A sequence that directs transcriptional initiation in yeast. 1990 , 18, 105-9		14
595	Allelism of SNQ1 and ATR1, genes of the yeast Saccharomyces cerevisiae required for controlling sensitivity to 4-nitroquinoline-N-oxide and aminotriazole. 1990 , 18, 93-6		43
594	Expression of an Erwinia sp. gene encoding diphenyl ether cleavage in Escherichia coli and an isolated Acinetobacter strain PE7. <i>Applied Microbiology and Biotechnology</i> , 1990 , 32, 686-9	5.7	10
593	Penicillin acylase mutants with altered site-directed activity from Kluyvera citrophila. <i>Applied Microbiology and Biotechnology</i> , 1990 , 33, 553-9	5.7	14
592	Lactose- and galactose-utilizing strains of poly(hydroxyalkanoic acid)-accumulating Alcaligenes eutrophus and Pseudomonas saccharophila obtained by recombinant DNA technology. <i>Applied Microbiology and Biotechnology</i> , 1990 , 33, 410	5.7	33
591	Depression of protein synthetic capacity due to cloned-gene expression in E. coli. 1990 , 36, 865-78		32
590	Expression of pre-S2 region of hepatitis B surface antigen in Escherichia coli. 1990 , 30, 7-13		2
589	Spontaneous mutations in the galactose operons of Streptomyces coelicolor A3 (2) and Streptomyces lividans 66. 1990 , 30, 307-12		1
588	The Streptomyces aureofaciens plasmid pIMB R8 and its use for shuttle vector construction. 1990 , 30, 729-35		5
587	Endoglucanase E, produced at high level in Escherichia coli as a lacZ' fusion protein, is part of the Clostridium thermocellum cellulosome. 1990 , 12, 656-62		34
586	Cloning, nucleotide sequences, and identification of products of the Pseudomonas aeruginosa PAO bra genes, which encode the high-affinity branched-chain amino acid transport system. <i>Journal of Bacteriology</i> , 1990 , 172, 5531-9	3.5	49
585	picA, a novel plant-inducible locus on the Agrobacterium tumefaciens chromosome. <i>Journal of Bacteriology</i> , 1990 , 172, 5828-36	3.5	26
584	Cloning and cell cycle-dependent expression of DNA replication gene dnaC from Caulobacter crescentus. <i>Journal of Bacteriology</i> , 1990 , 172, 7027-34	3.5	39
583	Transcriptional organization of a cloned chemotaxis locus of Bacillus subtilis. <i>Journal of Bacteriology</i> , 1990 , 172, 1870-6	3.5	37

582	Rhizobium meliloti glutamate synthase: cloning and initial characterization of the glt locus. <i>Journal of Bacteriology</i> , 1990 , 172, 2413-20	3.5	27
581	Genetic analysis of the Pseudomonas aeruginosa PAO high-affinity branched-chain amino acid transport system by use of plasmids carrying the bra genes. <i>Journal of Bacteriology</i> , 1990 , 172, 5540-3	3.5	13
580	Genetic analysis of an invasion region by use of a Tn3-lac transposon and identification of a second positive regulator gene, invE, for cell invasion of Shigella sonnei: significant homology of invE with ParB of plasmid P1. <i>Journal of Bacteriology</i> , 1990 , 172, 619-29	3.5	62
579	Structural and genetic organization of IS232, a new insertion sequence of Bacillus thuringiensis. <i>Journal of Bacteriology</i> , 1990 , 172, 6689-96	3.5	41
578	Nucleosome assembly in mammalian cell extracts before and after DNA replication <i>EMBO Journal</i> , 1990 , 9, 2911-2922	13	40
577	Beta-lactamase expression in Streptomyces cacaoi. <i>Journal of Bacteriology</i> , 1990 , 172, 6427-34	3.5	9
576	Complementation of an Escherichia coli proC mutation by a gene cloned from Treponema pallidum. <i>Journal of Bacteriology</i> , 1990 , 172, 2996-3002	3.5	25
575	Isolation of the Candida albicans histidinol dehydrogenase (HIS4) gene and characterization of a histidine auxotroph. <i>Journal of Bacteriology</i> , 1990 , 172, 3898-904	3.5	17
574	Cloning, sequencing, and expression of a xylanase gene from the anaerobic ruminal bacterium Butyrivibrio fibrisolvens. <i>Journal of Bacteriology</i> , 1990 , 172, 4247-54	3.5	53
573	Cloning and nucleotide sequences of the Banl restriction-modification genes in Bacillus aneurinolyticus. 1990 , 107, 645-9		18
572	Mutational analysis of the Escherichia coli glpFK region with Tn5 mutagenesis and the polymerase chain reaction. <i>Journal of Bacteriology</i> , 1990 , 172, 6129-34	3.5	11
571	Differential stability of mRNA species of Alcaligenes eutrophus soluble and particulate hydrogenases. <i>Journal of Bacteriology</i> , 1990 , 172, 7057-64	3.5	22
570	A chromosomal Agrobacterium tumefaciens gene required for effective plant signal transduction. <i>Journal of Bacteriology</i> , 1990 , 172, 1814-22	3.5	111
569	Mutations in the ATP-binding domain of Escherichia coli rho factor affect transcription termination in vivo. <i>Journal of Bacteriology</i> , 1990 , 172, 2477-84	3.5	11
568	Bacteriophage T4 deoxynucleotide kinase: gene cloning and enzyme purification. <i>Journal of Bacteriology</i> , 1990 , 172, 2935-9	3.5	11
567	Regions of the Streptococcus sobrinus spaA gene encoding major determinants of antigen I. <i>Journal of Bacteriology</i> , 1990 , 172, 3988-4001	3.5	24
566	The region of a Bacteroides conjugal chromosomal tetracycline resistance element which is responsible for production of plasmidlike forms from unlinked chromosomal DNA might also be involved in transfer of the element. <i>Journal of Bacteriology</i> , 1990 , 172, 4271-9	3.5	70
565	Rhizobium meliloti lipopolysaccharide and exopolysaccharide can have the same function in the plant-bacterium interaction. <i>Journal of Bacteriology</i> , 1990 , 172, 5450-8	3.5	76

564	Genetic and sequence organization of the mcrBC locus of Escherichia coli K-12. <i>Journal of Bacteriology</i> , 1990 , 172, 4888-900	3.5	85
563	An essential Saccharomyces cerevisiae single-stranded DNA binding protein is homologous to the large subunit of human RP-A <i>EMBO Journal</i> , 1990 , 9, 2321-2329	13	133
562	Transcription of the Shiga-like toxin type II and Shiga-like toxin type II variant operons of Escherichia coli. <i>Journal of Bacteriology</i> , 1990 , 172, 6386-95	3.5	39
561	A cryptic 65-kilobase-pair transposonlike element isolated from Bacteroides uniformis has homology with Bacteroides conjugal tetracycline resistance elements. <i>Journal of Bacteriology</i> , 1990 , 172, 1694-702	3.5	44
560	Characterization of the genetic elements required for site-specific integration of plasmid pSE211 in Saccharopolyspora erythraea. <i>Journal of Bacteriology</i> , 1990 , 172, 1877-88	3.5	67
559	Secretion of methanol-insoluble heat-stable enterotoxin (STB): energy- and secA-dependent conversion of pre-STB to an intermediate indistinguishable from the extracellular toxin. <i>Journal of Bacteriology</i> , 1990 , 172, 2427-32	3.5	46
558	Multiple translational products from a Mycoplasma hyorhinis gene expressed in Escherichia coli. Journal of Bacteriology, 1990 , 172, 2986-95	3.5	21
557	Isolation and characterization of Rhodobacter capsulatus mutants defective in oxygen regulation of the puf operon. <i>Journal of Bacteriology</i> , 1990 , 172, 4549-54	3.5	35
556	Reconstitution of an active lactose carrier in vivo by simultaneous synthesis of two complementary protein fragments. <i>Journal of Bacteriology</i> , 1990 , 172, 5374-81	3.5	74
555	High-frequency, site-specific recombination between lactococcal and pAM beta 1 plasmid DNAs. <i>Journal of Bacteriology</i> , 1990 , 172, 3485-9	3.5	12
554	Replication of the broad-host-range plasmid RK2: direct measurement of intracellular concentrations of the essential TrfA replication proteins and their effect on plasmid copy number. <i>Journal of Bacteriology</i> , 1990 , 172, 3849-58	3.5	64
553	Functional expression of Desulfovibrio vulgaris Hildenborough cytochrome c3 in Desulfovibrio desulfuricans G200 after conjugational gene transfer from Escherichia coli. <i>Journal of Bacteriology</i> , 1990 , 172, 6122-6	3.5	56
552	Genetic and sequence analysis of an 8.7-kilobase Pseudomonas denitrificans fragment carrying eight genes involved in transformation of precorrin-2 to cobyrinic acid. <i>Journal of Bacteriology</i> , 1990 , 172, 5980-90	3.5	70
551	Insertional mutagenesis of Listeria monocytogenes with a novel Tn917 derivative that allows direct cloning of DNA flanking transposon insertions. <i>Journal of Bacteriology</i> , 1990 , 172, 3738-44	3.5	165
550	Structural and functional characterization of tnpl, a recombinase locus in Tn21 and related beta-lactamase transposons. <i>Journal of Bacteriology</i> , 1990 , 172, 3745-57	3.5	41
549	Cloning and nucleotide sequences of the genes for the subunits of NAD-reducing hydrogenase of Alcaligenes eutrophus H16. <i>Journal of Bacteriology</i> , 1990 , 172, 2920-9	3.5	190
548	Mutations in the trfA replication gene of the broad-host-range plasmid RK2 result in elevated plasmid copy numbers. <i>Journal of Bacteriology</i> , 1990 , 172, 3859-67	3.5	64
547	Construction of recombinant DNA molecules by the use of a single stranded DNA generated by the polymerase chain reaction: its application to chimeric hepatitis A virus/poliovirus subgenomic cDNA. 1990 , 18, 913-8		13

[1990-1990]

546	Cloning of SHV-2, OHIO-1, and OXA-6 beta-lactamases and cloning and sequencing of SHV-1 beta-lactamase. 1990 , 34, 1577-83	66
545	Nucleotide sequence and phylogeny of SHV-2 beta-lactamase. 1990 , 34, 1725-32	47
544	Circular chromosomal DNA in the sulfur-dependent archaebacterium Sulfolobus acidocaldarius. 1990 , 18, 1133-6	27
543	Sequence analysis and evolutionary perspectives of ROB-1 beta-lactamase. 1990 , 34, 1354-9	48
542	Cloning of genes required for amino acid biosynthesis from Leptospira interrogans serovar icterohaemorrhagiae. 1990 , 136, 651-6	15
541	In vitro investigation of BK-218, a new oral and parenteral cephalosporin. 1990 , 34, 349-54	4
540	RecA-independent high-frequency deletion of recombinant cosmid DNA in Escherichia coli. 1990 , 136, 69-79	9
539	Cloning, sequencing and expression of the glutamine synthetase structural gene (glnA) from the obligate methanotroph Methylococcus capsulatus (Bath). 1990 , 136, 343-52	12
538	Conjugative plasmid transfer from Escherichia coli to Clostridium acetobutylicum. 1990 , 136, 819-26	115
537	Cloning, nucleotide sequence, and expression of the HinclI restriction-modification system. 1990 , 18, 3903-11	26
536	Enhanced resolution of DNA restriction fragments: a procedure by two-dimensional electrophoresis and double-labeling. 1990 , 87, 3919-23	13
535	Structure and function of L-lactate dehydrogenases from thermophilic, mesophilic and psychrophilic bacteria, IX. Identification, isolation and nucleotide sequence of two L-lactate dehydrogenase genes of the psychrophilic bacterium Bacillus psychrosaccharolyticus. 1990 , 371, 103-10	23
534	Effect of growth rate on plasmid maintenance by Escherichia coli HB101(pAT153). 1990 , 136, 2471-80	21
533	Identification of an Enhancer Element for the Endosperm-Specific Expression of High Molecular Weight Glutenin. 1990 , 2, 1171	4
532	Chimeric phage-bacterial enzymes: a clue to the modular evolution of genes. 1990 , 87, 8125-9	111
531	In vivo expression of the lacY gene in two segments leads to functional lac permease. 1990 , 87, 4325-9	181
530	AlgR3, a protein resembling eukaryotic histone H1, regulates alginate synthesis in Pseudomonas aeruginosa. 1990 , 87, 2887-91	88
529	A putative protein kinase gene (kin1+) is important for growth polarity in Schizosaccharomyces pombe. 1990 , 87, 8272-6	87

528	Identification of an enhancer element for the endosperm-specific expression of high molecular weight glutenin. 1990 , 2, 1171-80	128
527	Gene F of plasmid RSF1010 codes for a low-molecular-weight repressor protein that autoregulates expression of the repAC operon. 1990 , 18, 6215-22	16
526	The basidiomycete Lentinus edodes linear mitochondrial DNA plasmid contains a segment exhibiting a high autonomously replicating sequence activity in Saccharomyces cerevisiae. 1990 , 18, 1395-400	28
525	A dual-affinity gene fusion system to express small recombinant proteins in a soluble form: expression and characterization of protein A deletion mutants. 1990 , 3, 555-61	10
524	Rapid colorimetric detection of in vitro amplified DNA sequences. 1990 , 9, 287-92	31
523	Transactivation of the HIV promoter by Tat can be estimated by a bacterial blue-white color system. 1990 , 94, 229-35	1
522	Information content of amino acid residues in putative helix VIII of the lac permease from Escherichia coli. 1990 , 29, 10989-94	41
521	Identification of a seventh operon on plasmid RK2 regulated by the korA gene product. 1990 , 89, 29-35	29
520	Small, stable shuttle vectors for use in Xanthomonas. 1990 , 88, 65-72	126
519	Expression and nucleotide sequence analysis of the gene. 1990 , 70, 227-231	4
519 518	Expression and nucleotide sequence analysis of the gene. 1990 , 70, 227-231 A DNA hybridization test for detection of Bordetella in nasopharyngeal specimens. 1990 , 4, 211-21	6
518	A DNA hybridization test for detection of Bordetella in nasopharyngeal specimens. 1990 , 4, 211-21 Gene for pathogenicity and ability to cause the hypersensitive reaction cloned from Erwinia	6
518 517	A DNA hybridization test for detection of Bordetella in nasopharyngeal specimens. 1990 , 4, 211-21 Gene for pathogenicity and ability to cause the hypersensitive reaction cloned from Erwinia amylovora. 1990 , 36, 509-521 Complete genetic organization and functional aspects of the Escherichia coli S fimbrial adhesion	6
518517516	A DNA hybridization test for detection of Bordetella in nasopharyngeal specimens. 1990 , 4, 211-21 Gene for pathogenicity and ability to cause the hypersensitive reaction cloned from Erwinia amylovora. 1990 , 36, 509-521 Complete genetic organization and functional aspects of the Escherichia coli S fimbrial adhesion determinant: nucleotide sequence of the genes sfa B, C, D, E, F. 1990 , 9, 331-43	6 16 53
518517516515	A DNA hybridization test for detection of Bordetella in nasopharyngeal specimens. 1990, 4, 211-21 Gene for pathogenicity and ability to cause the hypersensitive reaction cloned from Erwinia amylovora. 1990, 36, 509-521 Complete genetic organization and functional aspects of the Escherichia coli S fimbrial adhesion determinant: nucleotide sequence of the genes sfa B, C, D, E, F. 1990, 9, 331-43 Cloning and characterization of the highly polymorphic Ser2 gene of Bombyx mori. 1990, 86, 177-84 A mutation that converts serine340 of the HsdSK polypeptide to phenylalanine and its effects on	6 16 53 65
518517516515514	A DNA hybridization test for detection of Bordetella in nasopharyngeal specimens. 1990, 4, 211-21 Gene for pathogenicity and ability to cause the hypersensitive reaction cloned from Erwinia amylovora. 1990, 36, 509-521 Complete genetic organization and functional aspects of the Escherichia coli S fimbrial adhesion determinant: nucleotide sequence of the genes sfa B, C, D, E, F. 1990, 9, 331-43 Cloning and characterization of the highly polymorphic Ser2 gene of Bombyx mori. 1990, 86, 177-84 A mutation that converts serine340 of the HsdSK polypeptide to phenylalanine and its effects on restriction and modification in Escherichia coli K-12. 1990, 90, 125-8 Cloning vectors, derived from a naturally occurring plasmid of Pseudomonas savastanoi, specifically	6 16 53 65

510	Cloning, expression and sequence analysis of an endolysin-encoding gene of Lactobacillus bulgaricus bacteriophage mv1. 1990 , 94, 61-7	50
509	Cloning and characterization of the 2,3-oxidosqualene cyclase-coding gene of Candida albicans. 1990 , 87, 177-83	53
508	Construction of a series of pSAM2-based integrative vectors for use in actinomycetes. 1990 , 94, 53-9	112
507	Xanthomonas campestris pv. oryzae has DNA sequences containing genes isofunctional with X. campestris pv. campestris genes required for pathogenicity. 1990 , 36, 73-87	6
506	Isolation and structure of the pectin lyase D-encoding gene from Aspergillus niger. 1990 , 89, 101-8	74
505	K88 fimbriae as carriers of heterologous antigenic determinants. 1990 , 8, 343-52	23
504	Affinity purification of specific DNA fragments using a lac repressor fusion protein. 1990 , 7, 47-52	21
503	Site-directed mutagenesis applied to glucose isomerase from Streptomyces violaceoniger and Streptomyces olivochromogenes. 1990 , 613, 371-5	6
502	Effects of mutations at amino acid 61 in the arm of TF1 on its DNA-binding properties. <i>Journal of Molecular Biology</i> , 1990 , 216, 819-33	24
501	FLP protein of 2 mu circle plasmid of yeast induces multiple bends in the FLP recognition target site. <i>Journal of Molecular Biology</i> , 1990 , 216, 289-98	53
500	High efficiency transformation of Escherichia coli with plasmids. 1990 , 96, 23-8	1589
499	CelS: a novel endoglucanase identified from Erwinia carotovora subsp. carotovora. 1990 , 90, 9-14	50
498	Simultaneous regulation of plasmid replication and heterologous gene expression in Escherichia coli. 1990 , 13, 47-60	12
497	A candidate protein kinase C gene, PKC1, is required for the S. cerevisiae cell cycle. 1990 , 62, 213-24	410
496	Nucleotide sequence and expression of the isoamylase gene from an isoamylase-hyperproducing mutant, Pseudomonas amyloderamosa JD210. 1990 , 1087, 309-15	11
495	A rapid in situ expression test for virulence-associated proteins of Yersinia enterocolitica. 1990 , 11, 83-93	2
494	Isolation of prokaryotic RNA and detection of specific mRNA with biotinylated probes. 1990 , 11, 73-81	130
493	Identification of the origin of replication of the eukaryote Dictyostelium discoideum nuclear plasmid Ddp2. 1990 , 24, 208-17	24

492	Nucleotide sequence analysis of IS427 and its target sites in Agrobacterium tumefaciens T37. 1990 , 24, 227-34	16
491	Characterization of a 56-kb plasmid of Erwinia amylovora Ea322: its noninvolvement in pathogenicity. 1990 , 24, 12-24	20
490	Molecular characterization of the vir regulon of Agrobacterium tumefaciens: complete nucleotide sequence and gene organization of the 28.63-kbp regulon cloned as a single unit. 1990 , 23, 85-106	100
489	Behavior of the hybrid plasmid pNSW301 in Zymomonas mobilis grown in continuous culture. 1990 , 23, 194-200	4
488	Cloning of the determinants for microcin D93 production and analysis of three different D-type microcin plasmids. 1990 , 23, 216-25	13
487	DNA Probes for the Detection of Lactobacillus helveticus. 1990 , 13, 345-349	22
486	Cloning of genes involved in erythromycin biosynthesis from Saccharopolyspora erythraea using a novel actinomycete-Escherichia coli cosmid. 1990 , 90, 21-9	65
485	Heterogeneity among the 2 microns plasmids in Saccharomyces cerevisiae: a new sequence for the REP1 gene. 1990 , 89, 139-44	2
484	Human immunodeficiency viral protease is catalytically active as a fusion protein: characterization of the fusion and native enzymes produced in Escherichia coli. 1990 , 283, 141-9	23
483	Biochemical and genetic analysis of a maltopentaose-producing amylase from an alkaliphilic gram-positive bacterium. 1990 , 191, 177-85	30
482	Characterization of two plasmids arising spontaneously in phosphate-limited continuous cultures of Escherichia coli HB101[pAT153]. 1990 , 71, 173-177	2
481	Construction and characterization of promoter-probe vectors for Corynebacteria using the kanamycin-resistance reporter gene. 1991 , 98, 117-21	45
480	Characterization of Restriction-Modification Plasmids from Lactococcus lactis ssp. cremoris and Their EffectsWhen Combined with pTR2030. 1991 , 74, 1133-1144	17
479	Production of type 1 fimbriae by Escherichia coli HB101. 1991 , 10, 481-6	11
478	High-level expression of a semisynthetic dam gene in Escherichia coli. 1991 , 98, 83-8	7
477	SOS induction as an in vivo assay of enzyme-DNA interactions. 1991 , 103, 1-9	59
476	Interaction between 16S ribosomal RNA and ribosomal protein S12: differential effects of paromomycin and streptomycin. 1991 , 73, 1493-500	23
475	Genetic characterization of the O4 polysaccharide gene cluster from Escherichia coli. 1991 , 10, 351-61	22

474	Induction of recombinant gene expression in Escherichia coli using an alkaline pH shift. 1991 , 97, 125-30	10
473	Synthesis of the nonconserved dihydroorotase domain of the multifunctional hamster CAD protein in Escherichia coli. 1991 , 99, 211-6	13
472	Cloning and characterization of a chromosomal DNA region required for growth on 2,4,5-T by Pseudomonas cepacia AC1100. 1991 , 100, 65-73	24
471	Virulence determinants of Escherichia coli O6 extraintestinal isolates analysed by Southern hybridizations and DNA long range mapping techniques. 1991 , 10, 127-36	28
470	Cloning and characterization of the L-rhamnose regulon in Salmonella typhimurium LT2. 1991 , 105, 37-42	14
469	Expression of penicillin G acylase gene from Bacillus megaterium ATCC 14945 in Escherichia coli and Bacillus subtilis. 1991 , 17, 99-108	11
468	Characterization of melA: a gene encoding melanin biosynthesis from the marine bacterium Shewanella colwelliana. 1991 , 109, 131-6	35
467	Construction of a novel suicide vector: selection for Escherichia coli HB101 recombinants carrying the DNA insert. 1991 , 104, 81-4	7
466	Construction of a functional lactose permease devoid of cysteine residues. 1991 , 30, 9595-600	125
465	Role of proline residues in the structure and function of a membrane transport protein. 1991 , 30, 1291-8	77
464	Mutations in the small subunit of ribulosebisphosphate carboxylase affect subunit binding and catalysis. 1991 , 30, 10019-26	34
463	A C-terminal proline is required for bioluminescence of the Ca(2+)-binding photoprotein, aequorin. 1991 , 295, 63-6	57
462	Discrimination between living and heat-killed prey by a marine zooflagellate, Paraphysomonas vestita (Stokes). 1991 , 146, 139-151	97
461	Identification of NolR, a negative transacting factor controlling the nod regulon in Rhizobium meliloti. <i>Journal of Molecular Biology</i> , 1991 , 222, 885-96	84
460	Amino acid substrate specificity of Escherichia coli phenylalanyl-tRNA synthetase altered by distinct mutations. <i>Journal of Molecular Biology</i> , 1991 , 222, 99-124	113
459	Molecular organization of the minimal replicon of novel, narrow-host-range, lactococcal plasmid pCI305. 1991 , 25, 16-26	60
458	Organization of the agropine synthesis region of the T-DNA of the Ri plasmid from Agrobacterium rhizogenes. 1991 , 25, 27-39	54
457	Isolation and properties of temperature-sensitive mutants of the trfA gene of the broad host range plasmid RK2. 1991 , 25, 131-6	19

456	Maintenance of pBR322-derived plasmids without functional RNAI. 1991 , 26, 186-200	5
455	Identification and mapping of loci involved in motility, adsorption to wheat roots, colony morphology, and growth in minimal medium on the Azospirillum brasilense Sp7 90-MDa plasmid. 1991 , 26, 83-93	44
454	Molecular cloning and nucleotide sequencing of the aspartate racemase gene from lactic acid bacteria Streptococcus thermophilus. 1991 , 1089, 234-40	45
453	Use of a restriction-defective variant for the construction of stable attenuated strains of the marine fish pathogen Vibrio anguillarum. 1991 , 13, 49-60	5
452	Plasmid transformation of Escherichia coli and other bacteria. 1991 , 204, 63-113	408
451	Molecular cloning and expression of the beta-hydroxysteroid dehydrogenase gene from Pseudomonas testosteroni. 1991 , 105, 43-9	40
450	Transformation of a methylotrophic bacterium, Methylobacterium extorquens, with a broad-host-range plasmid by electroporation. 1991 , 646, 99-105	4
449	Crystal structure of a Y35G mutant of bovine pancreatic trypsin inhibitor. <i>Journal of Molecular Biology</i> , 1991 , 220, 757-70	60
448	Sequence and expression of the gene encoding 3-phosphoglycerate kinase from Bacillus stearothermophilus. 1991 , 109, 39-45	26
447	Construction of a mobilizable cloning vector for site-directed mutagenesis of gram-negative bacteria: application to Rhizobium leguminosarum. 1991 , 98, 7-13	13
446	Engineering proteins to enhance their partition coefficients in aqueous two-phase systems. 1991 , 9, 642-6	57
445	Rapid induction of systemic resistance in cucumber by Pseudomonas syringae pv. syringae. 1991 , 38, 223-235	69
444	Replicative transformation of the filamentous fungus Ashbya gossypii with plasmids containing Saccharomyces cerevisiae ARS elements. 1991 , 109, 99-105	57
443	Mannitol-specific phosphoenolpyruvate-dependent phosphotransferase system of Enterococcus faecalis: molecular cloning and nucleotide sequences of the enzyme IIIMtl gene and the mannitol-1-phosphate dehydrogenase gene, expression in Escherichia coli, and comparison of the	31
442	Galactose utilization in Lactobacillus helveticus: isolation and characterization of the galactokinase (galK) and galactose-1-phosphate uridyl transferase (galT) genes. <i>Journal of Bacteriology</i> , 1991 , 3.5 173, 4464-73	41
441	Expression of regulatory nif genes in Rhodobacter capsulatus. <i>Journal of Bacteriology</i> , 1991 , 173, 2993-9 _{3.5}	147
440	Two-step cloning and expression in Escherichia coli of the DNA restriction-modification system StyLTI of Salmonella typhimurium. <i>Journal of Bacteriology</i> , 1991 , 173, 1321-7	13
439	Molecular cloning of the mitochondrial aldehyde dehydrogenase gene of Saccharomyces cerevisiae by genetic complementation. <i>Journal of Bacteriology</i> , 1991 , 173, 3199-208	36

(1991-1991)

438	Construction of cloning cartridges for development of expression vectors in gram-negative bacteria. <i>Journal of Bacteriology</i> , 1991 , 173, 5328-35	3.5	27	
437	Sequence and TnphoA analysis of a Mycoplasma hyorhinis protein with membrane export function. <i>Journal of Bacteriology</i> , 1991 , 173, 2035-44	3.5	8	
436	Polypeptides p40, pOM2, and pAngR are required for iron uptake and for virulence of the marine fish pathogen Vibrio anguillarum 775. <i>Journal of Bacteriology</i> , 1991 , 173, 1347-52	3.5	13	
435	Conjugative transposition of Tn916 requires the excisive and integrative activities of the transposon-encoded integrase. <i>Journal of Bacteriology</i> , 1991 , 173, 4347-52	3.5	57	
434	Precise mapping of the rnpB gene encoding the RNA component of RNase P in Escherichia coli K-12. <i>Journal of Bacteriology</i> , 1991 , 173, 1813-6	3.5	19	
433	Amplification and deletion of a nod-nif region in the symbiotic plasmid of Rhizobium phaseoli. <i>Journal of Bacteriology</i> , 1991 , 173, 2435-41	3.5	75	
432	The product of the Rhizobium meliloti ilvC gene is required for isoleucine and valine synthesis and nodulation of alfalfa. <i>Journal of Bacteriology</i> , 1991 , 173, 7756-64	3.5	27	
431	Cloning and sequence analysis of the LPD-glc structural gene of Pseudomonas putida. <i>Journal of Bacteriology</i> , 1991 , 173, 3109-16	3.5	21	
430	Up-promoter mutations in the trpBA operon of Pseudomonas aeruginosa. <i>Journal of Bacteriology</i> , 1991 , 173, 3756-62	3.5	11	
429	Cloning and expression of the tabtoxin biosynthetic region from Pseudomonas syringae. <i>Journal of Bacteriology</i> , 1991 , 173, 4124-32	3.5	60	
428	Evidence for insertion sequence-mediated spread of the thermostable direct hemolysin gene among Vibrio species. <i>Journal of Bacteriology</i> , 1991 , 173, 5036-46	3.5	51	
427	Use of cloned DNA methylase genes to increase the frequency of transfer of foreign genes into Xanthomonas campestris pv. malvacearum. <i>Journal of Bacteriology</i> , 1991 , 173, 6421-7	3.5	33	
426	Cloning, characterization, and DNA sequence of the rfaLK region for lipopolysaccharide synthesis in Salmonella typhimurium LT2. <i>Journal of Bacteriology</i> , 1991 , 173, 7151-63	3.5	66	
425	Identification of the DNA region responsible for sulfur-oxidizing ability of Thiosphaera pantotropha. <i>Journal of Bacteriology</i> , 1991 , 173, 7340-4	3.5	22	
424	Characterization of cytochromes c550 and c555 from Bradyrhizobium japonicum: cloning, mutagenesis, and sequencing of the c555 gene (cycC). <i>Journal of Bacteriology</i> , 1991 , 173, 7887-95	3.5	19	
423	Isolation and characterization of ilvA, ilvBN, and ilvD mutants of Caulobacter crescentus. <i>Journal of Bacteriology</i> , 1991 , 173, 1259-67	3.5	8	
422	Transposition of Tn1545-delta 3 in the pathogenic Neisseriae: a genetic tool for mutagenesis. <i>Journal of Bacteriology</i> , 1991 , 173, 2147-54	3.5	63	
421	Heterospecific expression of misrepair-enhancing activity of mucAB in Escherichia coli and Bacillus subtilis. <i>Journal of Bacteriology</i> , 1991 , 173, 2906-14	3.5	9	

420	Novel organization of the common nodulation genes in Rhizobium leguminosarum bv. phaseoli strains. <i>Journal of Bacteriology</i> , 1991 , 173, 1250-8	3.5	58
419	Isolation of the braZ gene encoding the carrier for a novel branched-chain amino acid transport system in Pseudomonas aeruginosa PAO. <i>Journal of Bacteriology</i> , 1991 , 173, 1855-61	3.5	29
418	Analysis of the Rhodobacter capsulatus puc operon: the pucC gene plays a central role in the regulation of LHII (B800-850 complex) expression <i>EMBO Journal</i> , 1991 , 10, 2949-2955	13	47
417	Synthesis of human big endothelin-1 by sequence-specific proteolysis of a fusion protein in Escherichia coli. 1991 , 110, 628-34		6
416	Molecular cloning and characterization of the recA gene of Rhizobium phaseoli and construction of recA mutants. <i>Journal of Bacteriology</i> , 1991 , 173, 3035-40	3.5	30
4 ¹ 5	Expression and nucleotide sequence of the Clostridium acetobutylicum beta-galactosidase gene cloned in Escherichia coli. <i>Journal of Bacteriology</i> , 1991 , 173, 3084-95	3.5	51
414	Tryptophan gene cluster of Methanobacterium thermoautotrophicum Marburg: molecular cloning and nucleotide sequence of a putative trpEGCFBAD operon. <i>Journal of Bacteriology</i> , 1991 , 173, 5017-23	3.5	40
413	Novel structure of the recA locus of Mycobacterium tuberculosis implies processing of the gene product. <i>Journal of Bacteriology</i> , 1991 , 173, 5653-62	3.5	128
412	Molecular characterization and expression analysis of the anthranilate synthase gene of Pseudomonas syringae subsp. savastanoi. <i>Journal of Bacteriology</i> , 1991 , 173, 463-71	3.5	8
411	Determination of the nick site at oriT of Incl1 plasmid R64: global similarity of oriT structures of Incl1 and IncP plasmids. <i>Journal of Bacteriology</i> , 1991 , 173, 6612-7	3.5	33
410	Mutations in the Escherichia coli dnaG gene suggest coupling between DNA replication and chromosome partitioning. <i>Journal of Bacteriology</i> , 1991 , 173, 1268-78	3.5	50
409	Nucleotide sequence and functions of the oriT operon in IncI1 plasmid R64. <i>Journal of Bacteriology</i> , 1991 , 173, 2231-7	3.5	40
408	Novel prlA alleles defective in supporting staphylokinase processing in Escherichia coli. <i>Journal of Bacteriology</i> , 1991 , 173, 2289-96	3.5	19
407	Molecular characterization of an Enterobacter cloacae outer membrane protein (OmpX). <i>Journal of Bacteriology</i> , 1991 , 173, 156-60	3.5	62
406	Biological characterization of an Enterobacter cloacae outer membrane protein (OmpX). <i>Journal of Bacteriology</i> , 1991 , 173, 161-7	3.5	39
405	Cloning, nucleotide sequence, and engineered expression of Thermus thermophilus DNA ligase, a homolog of Escherichia coli DNA ligase. <i>Journal of Bacteriology</i> , 1991 , 173, 5047-53	3.5	51
404	Cloning and characterization of a Pseudomonas mendocina KR1 gene cluster encoding toluene-4-monooxygenase. <i>Journal of Bacteriology</i> , 1991 , 173, 5315-27	3.5	191
403	Characterization of the haloacid dehalogenase from Xanthobacter autotrophicus GJ10 and sequencing of the dhlB gene. <i>Journal of Bacteriology</i> , 1991 , 173, 7925-33	3.5	110

402	Cloning and sequence analysis of a trans-regulatory locus required for exoenzyme S synthesis in Pseudomonas aeruginosa. <i>Journal of Bacteriology</i> , 1991 , 173, 6460-8	3.5	95	
401	Aspartate aminotransferase activity is required for aspartate catabolism and symbiotic nitrogen fixation in Rhizobium meliloti. <i>Journal of Bacteriology</i> , 1991 , 173, 2879-87	3.5	59	
400	Natural transfer of conjugative transposon Tn916 between gram-positive and gram-negative bacteria. <i>Journal of Bacteriology</i> , 1991 , 173, 443-8	3.5	119	
399	Identification, characterization, and nucleotide sequence of the F17-G gene, which determines receptor binding of Escherichia coli F17 fimbriae. <i>Journal of Bacteriology</i> , 1991 , 173, 3366-73	3.5	41	
398	Exopolysaccharide mutants of Rhizobium loti are fully effective on a determinate nodulating host but are ineffective on an indeterminate nodulating host. <i>Journal of Bacteriology</i> , 1991 , 173, 851-9	3.5	80	
397	Complementation by detached parts of GGCC-specific DNA methyltransferases. 1991 , 19, 4843-7		18	
396	Molecular and genetic analysis of the gene encoding the Saccharomyces cerevisiae strand exchange protein Sep1. 1991 , 11, 2593-608		104	
395	Cloning, genetic analysis, and nucleotide sequence of a determinant coding for a 19-kilodalton peptidoglycan-associated protein (Ppl) of Legionella pneumophila. 1991 , 59, 2515-21		23	
394	Virulence patterns and long-range genetic mapping of extraintestinal Escherichia coli K1, K5, and K100 isolates: use of pulsed-field gel electrophoresis. 1991 , 59, 2664-72		55	
393	Role of crl in avian pathogenic Escherichia coli: a knockout mutation of crl does not affect hemagglutination activity, fibronectin binding, or Curli production. 1992 , 60, 4460-7		69	
392	Expression of protein F, the fibronectin-binding protein of Streptococcus pyogenes JRS4, in heterologous streptococcal and enterococcal strains promotes their adherence to respiratory epithelial cells. 1992 , 60, 5119-25		141	
391	Cloning of a gene (zot) encoding a new toxin produced by Vibrio cholerae. 1992 , 60, 428-34		135	
390	Characterization of F107 fimbriae of Escherichia coli 107/86, which causes edema disease in pigs, and nucleotide sequence of the F107 major fimbrial subunit gene, fedA. 1992 , 60, 1963-71		96	
389	Aggregative adherence fimbriae I of enteroaggregative Escherichia coli mediate adherence to HEp-2 cells and hemagglutination of human erythrocytes. 1992 , 60, 2297-304		213	
388	Molecular cloning of epithelial cell invasion determinants from enterotoxigenic Escherichia coli. 1992 , 60, 2409-17		67	
387	Functional expression of heterologous fimbrial subunits mediated by the F41, K88, and CS31A determinants of Escherichia coli. 1992 , 60, 2500-5		17	
386	Characterization of the Shigella serotype D (S. sonnei) O polysaccharide and the enterobacterial R1 lipopolysaccharide core by use of mouse monoclonal antibodies. 1992 , 60, 2741-7		9	
385	Comparative effectiveness of the cholera toxin B subunit and alkaline phosphatase as carriers for oral vaccines. 1993 , 61, 48-55		67	

384	The eae gene of Citrobacter freundii biotype 4280 is necessary for colonization in transmissible murine colonic hyperplasia. 1993 , 61, 4654-61	149
383	Characterization of plasmid-borne afa-3 gene clusters encoding afimbrial adhesins expressed by Escherichia coli strains associated with intestinal or urinary tract infections. 1993 , 61, 5106-14	84
382	Reduction in oral immunogenicity of cholera toxin B subunit by N-terminal peptide addition. 1993 , 61, 384-90	40
381	The ail gene of Yersinia enterocolitica has a role in the ability of the organism to survive serum killing. 1993 , 61, 1846-52	101
380	Nucleotide sequence encoding the mannose-fucose-resistant hemagglutinin of Vibrio cholerae O1 and construction of a mutant. 1993 , 61, 3032-7	39
379	Enhancement of extracapsular polysaccharide synthesis in Klebsiella pneumoniae by RmpA2, which shows homology to NtrC and FixJ. 1993 , 61, 3164-74	65
378	A single amino acid change in AngR, a protein encoded by pJM1-like virulence plasmids, results in hyperproduction of anguibactin. 1993 , 61, 3228-33	43
377	Urethral obstruction of 6 hours or less causes bacteriuria, bacteremia, and pyelonephritis in mice challenged with "nonuropathogenic" Escherichia coli. 1993 , 61, 3422-8	28
376	Cloning of a genetic determinant from Clostridium difficile involved in adherence to tissue culture cells and mucus. 1994 , 62, 4347-55	45
375	Invasion and intracellular survival of Bordetella bronchiseptica in mouse dendritic cells. 1994 , 62, 5528-37	53
374	Role of YadA in arthritogenicity of Yersinia enterocolitica serotype O:8: experimental studies with rats. 1994 , 62, 5568-75	37
373	Cytotoxicity of a shiga toxin A subunit-CD4 fusion protein to human immunodeficiency virus-infected cells. 1994 , 62, 956-60	12
372	Use of in vivo complementation in Mycobacterium tuberculosis to identify a genomic fragment associated with virulence. 1994 , 62, 1313-9	89
371	Isolation and characterization of a gene involved in hemagglutination by an avian pathogenic Escherichia coli strain. 1994 , 62, 1369-80	151
370	Histidine residues near the N terminus of staphylococcal alpha-toxin as reporters of regions that are critical for oligomerization and pore formation. 1994 , 62, 2249-56	61
369	F17-like fimbriae from an invasive Escherichia coli strain producing cytotoxic necrotizing factor type 2 toxin. 1994 , 62, 2633-8	33
368	Epithelial cell invasion and adherence directed by the enterotoxigenic Escherichia coli tib locus is associated with a 104-kilodalton outer membrane protein. 1994 , 62, 3463-71	83
367	Shuttle mutagenesis of Legionella pneumophila: identification of a gene associated with host cell cytopathicity. 1994 , 62, 4075-80	19

366	Escherichia coli-induced activation of neutrophil NADPH-oxidase: lipopolysaccharide and formylated peptides act synergistically to induce release of reactive oxygen metabolites. 1995 , 63, 4606-12	25
365	Identification and cloning of a novel plasmid-encoded enterotoxin of enteroinvasive Escherichia coli and Shigella strains. 1995 , 63, 4721-8	147
364	Identification of a mutation in the pst-phoU operon that reduces pathogenicity of an Escherichia coli strain causing septicemia in pigs. 1995 , 63, 4924-7	47
363	Identification of the Chlamydia trachomatis RecA-encoding gene. 1995 , 63, 676-80	14
362	A porin from Klebsiella pneumoniae: sequence homology, three-dimensional model, and complement binding. 1995 , 63, 903-10	88
361	Cloning and expression of a neutral phosphatase gene from Treponema denticola. 1995 , 63, 1147-52	29
360	Identification of rfbA, involved in B-band lipopolysaccharide biosynthesis in Pseudomonas aeruginosa serotype O5. 1995 , 63, 1674-80	17
359	Clearance of Pseudomonas aeruginosa from the murine gastrointestinal tract is effectively mediated by O-antigen-specific circulating antibodies. 1995 , 63, 2818-25	38
358	Immunologic characteristics of a Streptococcus mutans glucosyltransferase B sucrose-binding site peptide-cholera toxin B-subunit chimeric protein. 1996 , 64, 28-36	23
357	Characterization of 20K fimbria, a new adhesin of septicemic and diarrhea-associated Escherichia coli strains, that belongs to a family of adhesins with N-acetyl-D-glucosamine recognition. 1996 , 64, 332-42	35
356	Dual flaA1 flaB1 mutant of Serpulina hyodysenteriae expressing periplasmic flagella is severely attenuated in a murine model of swine dysentery. 1996 , 64, 4154-62	50
355	T84 cells in culture as a model for enteroaggregative Escherichia coli pathogenesis. 1996 , 64, 4761-8	101
354	Production of human tumor necrosis factor alpha, interleukin-6, and interleukin-10 is induced by lactic acid bacteria. 1996 , 64, 5403-5	283
353	Ability of Escherichia coli isolates that cause meningitis in newborns to invade epithelial and endothelial cells. 1996 , 64, 2391-9	46
352	Characterization of elastase-deficient clinical isolates of Pseudomonas aeruginosa. 1996 , 64, 3154-60	44
351	The Escherichia coli K-12 gntP gene allows E. coli F-18 to occupy a distinct nutritional niche in the streptomycin-treated mouse large intestine. 1996 , 64, 3497-503	43
350	Escherichia coli F-18 and E. coli K-12 eda mutants do not colonize the streptomycin-treated mouse large intestine. 1996 , 64, 3504-11	76
349	Characterization of a P1-deficient strain of Streptococcus mutans that expresses the SpaA protein of Streptococcus sobrinus. 1996 , 64, 3652-8	11

348	Identification, purification, and characterization of the type 4 fimbriae of Pasteurella multocida. 1997 , 65, 339-43		38
347	Adhesion to and invasion of HeLa cells by pathogenic Escherichia coli carrying the afa-3 gene cluster are mediated by the AfaE and AfaD proteins, respectively. 1997 , 65, 4082-9		111
346	Aggregative adherence fimbria II, a second fimbrial antigen mediating aggregative adherence in enteroaggregative Escherichia coli. 1997 , 65, 4135-45		199
345	Identification and characterization of a two-component regulatory system involved in invasion of eukaryotic cells and heavy-metal resistance in Burkholderia pseudomallei. 1997 , 65, 4972-7		43
344	Characterization of the type 3 fimbrial adhesins of Klebsiella strains. 1998 , 66, 2887-94		53
343	Pet, an autotransporter enterotoxin from enteroaggregative Escherichia coli. 1998 , 66, 3155-63		192
342	Molecular cloning and characterization of the afa-7 and afa-8 gene clusters encoding afimbrial adhesins in Escherichia coli strains associated with diarrhea or septicemia in calves. 1999 , 67, 5048-59		65
341	Involvement of the enteroaggregative Escherichia coli plasmid-encoded toxin in causing human intestinal damage. 1999 , 67, 5338-44		83
340	Characterization of pic, a secreted protease of Shigella flexneri and enteroaggregative Escherichia coli. 1999 , 67, 5587-96		269
339	Characterization of the angR gene of Vibrio anguillarum: essential role in virulence. 1999 , 67, 6496-509		54
338	Phylogenetic analysis of enteroaggregative and diffusely adherent Escherichia coli. 1999 , 67, 2692-9		192
337	Identification of a glycoprotein produced by enterotoxigenic Escherichia coli. 1999 , 67, 4084-91		133
336	Genetic control of the secondary modification of deoxyribonucleic acid in Escherichia coli. <i>Journal of Bacteriology</i> , 1970 , 104, 57-62	3.5	26
335	Park-Williams number 8 strain of Corynebacterium diphtheriae. <i>Journal of Bacteriology</i> , 1971 , 105, 77-85	3.5	18
334	New amino acid regulatory locus having unusual properties in heterozygous merodiploids. <i>Journal of Bacteriology</i> , 1972 , 110, 1127-34	3.5	11
333	R factor-controlled restriction and modification of deoxyribonucleic acid: restriction mutants. <i>Journal of Bacteriology</i> , 1972 , 112, 1275-9	3.5	79
332	Host specificity of Salmonella typhimurium deoxyribonucleic acid restriction and modification. <i>Journal of Bacteriology</i> , 1973 , 113, 724-6	3.5	6
331	Mutants of the N-3 R-factor conditionally defective in hspII modification and deoxyribonucleic acid-cytosine methylase activity. <i>Journal of Bacteriology</i> , 1974 , 120, 234-9	3.5	17

330	Isolation and properties of a thermostable restriction endonuclease (ENDO R-Bst1503). <i>Journal of Bacteriology</i> , 1977 , 129, 1110-20	3.5	46
329	Restriction endonucleases: general survey procedure and survey of gliding bacteria. <i>Journal of Bacteriology</i> , 1978 , 136, 708-13	3.5	32
328	Resistance plasmids in Pseudomonas cepacia 4G9. <i>Journal of Bacteriology</i> , 1979 , 140, 1017-22	3.5	15
327	Construction and expression of hybrid plasmids containing Escherichia coli K-12 uxu genes. <i>Journal of Bacteriology</i> , 1980 , 143, 1116-26	3.5	27
326	Cloning of the URA1 gene of Saccharomyces cerevisiae. <i>Journal of Bacteriology</i> , 1980 , 143, 1530-3	3.5	7
325	Stability in Escherichia coli of an antibiotic resistance plasmid from Bacteroides fragilis. <i>Journal of Bacteriology</i> , 1981 , 146, 121-7	3.5	5
324	Tetracycline resistance transposon Tn1721: recA-dependent gene amplification and expression of tetracycline resistance. <i>Journal of Bacteriology</i> , 1981 , 147, 851-9	3.5	31
323	Cloning and endonuclease restriction analysis of uidA and uidR genes in Escherichia coli K-12: determination of transcription direction for the uidA gene. <i>Journal of Bacteriology</i> , 1982 , 149, 587-94	3.5	25
322	Use of in vitro gene fusions to study the uxuR regulatory gene in Escherichia coli K-12: direction of transcription and regulation of its expression. <i>Journal of Bacteriology</i> , 1982 , 150, 1040-7	3.5	17
321	Two complementation groups mediate tetracycline resistance determined by Tn10. <i>Journal of Bacteriology</i> , 1982 , 151, 209-15	3.5	74
320	Expression in Escherichia coli of a staphylococcal gene for resistance to macrolide, lincosamide, and streptogramin type B antibiotics. <i>Journal of Bacteriology</i> , 1982 , 152, 524-6	3.5	23
319	Tn1721-encoded tetracycline resistance: mapping of structural and regulatory genes mediating resistance. <i>Journal of Bacteriology</i> , 1983 , 153, 116-23	3.5	70
318	Expression of a Streptococcus mutans glucosyltransferase gene in Escherichia coli. <i>Journal of Bacteriology</i> , 1983 , 153, 211-21	3.5	77
317	Construction of hybrid plasmids containing the Escherichia coli uxaB gene: analysis of its regulation and direction of transcription. <i>Journal of Bacteriology</i> , 1983 , 153, 747-55	3.5	12
316	Cytoplasmic L-asparaginase: isolation of a defective strain and mapping of ansA. <i>Journal of Bacteriology</i> , 1983 , 154, 513-5	3.5	25
315	Alignment of genetic and restriction maps of the photosynthesis region of the Rhodopseudomonas capsulata chromosome by a conjugation-mediated marker rescue technique. <i>Journal of Bacteriology</i> , 1983 , 154, 580-90	3.5	229
314	Isolation and characterization of the recA gene of Rhizobium meliloti. <i>Journal of Bacteriology</i> , 1983 , 155, 311-6	3.5	110
313	Involvement of a plasmid in Escherichia coli envelope alterations. <i>Journal of Bacteriology</i> , 1983 , 155, 402-6	3.5	7

312	Expression of the Rickettsia prowazekii citrate synthase gene in Escherichia coli. <i>Journal of Bacteriology</i> , 1983 , 155, 412-6	3.5	32
311	Conditionally replicating plasmid vectors that can integrate into the Klebsiella pneumoniae chromosome via bacteriophage P4 site-specific recombination. <i>Journal of Bacteriology</i> , 1983 , 155, 704-	13 ^{.5}	10
310	Restriction fragments that exert promoter activity during postexponential growth of Bacillus subtilis. <i>Journal of Bacteriology</i> , 1983 , 155, 1399-406	3.5	57
309	Physical mapping of the exuT and uxaC operators by use of exu plasmids and generation of deletion mutants in vitro. <i>Journal of Bacteriology</i> , 1983 , 155, 973-82	3.5	12
308	Mutations affecting regulation of the Klebsiella pneumoniae nifH (nitrogenase reductase) promotor. <i>Journal of Bacteriology</i> , 1984 , 157, 143-7	3.5	39
307	Intracistronic complementation of the tetracycline resistance membrane protein of Tn10. <i>Journal of Bacteriology</i> , 1984 , 157, 211-7	3.5	54
306	Hairy-root-inducing plasmid: physical map and homology to tumor-inducing plasmids. <i>Journal of Bacteriology</i> , 1984 , 157, 269-76	3.5	193
305	Physical and genetic analyses of streptococcal plasmid pAM beta 1 and cloning of its replication region. <i>Journal of Bacteriology</i> , 1984 , 157, 445-53	3.5	96
304	Insertional specificity of transposon Tn5 in Acinetobacter sp. <i>Journal of Bacteriology</i> , 1984 , 157, 607-11	3.5	16
303	Characterization of the replication and stability regions of Agrobacterium tumefaciens plasmid pTAR. <i>Journal of Bacteriology</i> , 1984 , 157, 739-45	3.5	29
302	Molecular cloning of a major cell wall protein gene from protein-producing Bacillus brevis 47 and its expression in Escherichia coli and Bacillus subtilis. <i>Journal of Bacteriology</i> , 1984 , 158, 1054-60	3.5	34
301	Construction and characterization of an Escherichia coli strain with a uncl mutation. <i>Journal of Bacteriology</i> , 1984 , 158, 820-5	3.5	88
300	Physical and genetic analyses of the Inc-I alpha plasmid R64. Journal of Bacteriology, 1984, 158, 997-100)4 3.5	24
299	Regulatory changes in the formation of chromosomal dihydrofolate reductase causing resistance to trimethoprim. <i>Journal of Bacteriology</i> , 1984 , 159, 184-90	3.5	11
298	Distribution and evolutionary significance of mitochondrial plasmids in Neurospora spp. <i>Journal of Bacteriology</i> , 1984 , 159, 288-93	3.5	43
297	Cloning of nitrate reductase genes from the cyanobacterium Anacystis nidulans. <i>Journal of Bacteriology</i> , 1984 , 159, 36-41	3.5	53
296	Cloning and expression of a gene segment encoding the enzymatic moiety of Pseudomonas aeruginosa exotoxin A. <i>Journal of Bacteriology</i> , 1984 , 159, 683-7	3.5	15
295	Expression of the gene encoding protein A in Staphylococcus aureus and coagulase-negative staphylococci. <i>Journal of Bacteriology</i> , 1984 , 159, 713-9	3.5	54

294	Construction and use of a gene bank of Alcaligenes eutrophus in the analysis of ribulose bisphosphate carboxylase genes. <i>Journal of Bacteriology</i> , 1984 , 159, 973-8	3.5	38
293	Aerobactin iron uptake sequences in plasmid ColV-K30 are flanked by inverted IS1-like elements and replication regions. <i>Journal of Bacteriology</i> , 1984 , 160, 256-65	3.5	37
292	Molecular cloning and expression of genetic determinants for the iron uptake system mediated by the Vibrio anguillarum plasmid pJM1. <i>Journal of Bacteriology</i> , 1984 , 160, 860-6	3.5	55
291	Structural organization of a 67-kilobase streptococcal conjugative element mediating multiple antibiotic resistance. <i>Journal of Bacteriology</i> , 1985 , 161, 620-6	3.5	31
290	Iron-regulated outer membrane protein OM2 of Vibrio anguillarum is encoded by virulence plasmid pJM1. <i>Journal of Bacteriology</i> , 1985 , 161, 736-42	3.5	114
289	Identification and genetic analysis of an Agrobacterium tumefaciens chromosomal virulence region. <i>Journal of Bacteriology</i> , 1985 , 161, 850-60	3.5	252
288	Isolation and characterization of a cis-acting mutation conferring catabolite repression resistance to alpha-amylase synthesis in Bacillus subtilis. <i>Journal of Bacteriology</i> , 1985 , 161, 875-81	3.5	82
287	Isolation of genes (nif/hup cosmids) involved in hydrogenase and nitrogenase activities in Rhizobium japonicum. <i>Journal of Bacteriology</i> , 1985 , 161, 882-7	3.5	34
286	Molecular cloning in Escherichia coli of Erwinia chrysanthemi genes encoding multiple forms of pectate lyase. <i>Journal of Bacteriology</i> , 1985 , 161, 913-20	3.5	76
285	Molecular cloning of nif DNA from Azotobacter vinelandii. <i>Journal of Bacteriology</i> , 1985 , 162, 21-8	3.5	21
284	Lesions in citrate synthase that affect aerobic nitrogen fixation by Azotobacter chroococcum. <i>Journal of Bacteriology</i> , 1985 , 162, 746-51	3.5	17
283	Method for gene replacement in Pseudomonas aeruginosa used in construction of recA mutants: recA-independent instability of alginate production. <i>Journal of Bacteriology</i> , 1985 , 162, 1068-74	3.5	52
282	Expression of Actinomyces viscosus antigens in Escherichia coli: cloning of a structural gene (fimA) for type 2 fimbriae. <i>Journal of Bacteriology</i> , 1985 , 162, 1075-8	3.5	51
281	Molecular cloning of an ornithine-activating fragment of the gramicidin S synthetase 2 gene from Bacillus brevis and its expression in Escherichia coli. <i>Journal of Bacteriology</i> , 1985 , 162, 1120-5	3.5	44
280	Genetic organization of the afimbrial adhesin operon and nucleotide sequence from a uropathogenic Escherichia coli gene encoding an afimbrial adhesin. <i>Journal of Bacteriology</i> , 1985 , 162, 1285-92	3.5	87
279	Globoside-specific adhesins of uropathogenic Escherichia coli are encoded by similar trans-complementable gene clusters. <i>Journal of Bacteriology</i> , 1985 , 162, 1293-301	3.5	70
278	Broad-host-range plasmid pRK340 delivers Tn5 into the Legionella pneumophila chromosome. <i>Journal of Bacteriology</i> , 1985 , 162, 1332-5	3.5	16
277	cDNA cloning of portions of the bacteriophage phi 6 genome. <i>Journal of Bacteriology</i> , 1985 , 162, 992-9	3.5	36

276	Cloning and sequencing of a Moraxella bovis pilin gene. <i>Journal of Bacteriology</i> , 1985 , 163, 132-9	3.5	135
275	Extension of the host range of Escherichia coli vectors by incorporation of RSF1010 replication and mobilization functions. <i>Journal of Bacteriology</i> , 1985 , 163, 324-30	3.5	122
274	Organization of the Tn6-related kanamycin resistance transposon Tn2680 carrying two copies of IS26 and an IS903 variant, IS903. B. <i>Journal of Bacteriology</i> , 1985 , 163, 55-60	3.5	34
273	Cloning and sequencing of the beta-lactamase I gene of Bacillus cereus 5/B and its expression in Bacillus subtilis. <i>Journal of Bacteriology</i> , 1985 , 163, 487-92	3.5	19
272	Molecular cloning and characterization of the recA gene of Pseudomonas aeruginosa PAO. <i>Journal of Bacteriology</i> , 1985 , 163, 568-72	3.5	52
271	Presence of DNA, encoding parts of bacteriophage tail fiber genes, in the chromosome of Escherichia coli K-12. <i>Journal of Bacteriology</i> , 1985 , 163, 832-6	3.5	9
270	Complementation of a Rhodopseudomonas sphaeroides ribulose bisphosphate carboxylase-oxygenase regulatory mutant from a genomic library. <i>Journal of Bacteriology</i> , 1985 , 164, 147-54	3.5	19
269	Cloning and sequencing of the metallothioprotein beta-lactamase II gene of Bacillus cereus 569/H in Escherichia coli. <i>Journal of Bacteriology</i> , 1985 , 164, 223-9	3.5	89
268	Novel one-step cloning vector with a transposable element: application to the Myxococcus xanthus genome. <i>Journal of Bacteriology</i> , 1985 , 164, 270-5	3.5	45
267	Marker-exchange mutagenesis of a pectate lyase isozyme gene in Erwinia chrysanthemi. <i>Journal of Bacteriology</i> , 1985 , 164, 51-6	3.5	120
266	Molecular cloning of the Escherichia coli gene for diadenosine 5',5'''-P1,P4-tetraphosphate pyrophosphohydrolase. <i>Journal of Bacteriology</i> , 1985 , 164, 63-9	3.5	34
265	Isolation and analysis of genes involved in siderophore biosynthesis in plant-growth-stimulating Pseudomonas putida WCS358. <i>Journal of Bacteriology</i> , 1985 , 164, 563-70	3.5	102
264	Isolation and characterization of the DNA region encoding nodulation functions in Bradyrhizobium japonicum. <i>Journal of Bacteriology</i> , 1985 , 164, 1301-8	3.5	37
263	Cloning and regulation of Erwinia herbicola pigment genes. <i>Journal of Bacteriology</i> , 1986 , 168, 607-12	3.5	73
262	Functional domains of S-type pyocins deduced from chimeric molecules. <i>Journal of Bacteriology</i> , 1993 , 175, 6179-85	3.5	32
261	Duplication of pilus gene complexes of Haemophilus influenzae biogroup aegyptius. <i>Journal of Bacteriology</i> , 1996 , 178, 6564-70	3.5	26
260	(Methyl)ammonium transport in the nitrogen-fixing bacterium Azospirillum brasilense. <i>Journal of Bacteriology</i> , 1998 , 180, 2652-9	3.5	45
259	Negative regulation of IS2 transposition by the cyclic AMP (cAMP)-cAMP receptor protein complex. <i>Journal of Bacteriology</i> , 1998 , 180, 2682-8	3.5	4

258	Expression of the transposase gene tnpA of Tn4652 is positively affected by integration host factor. <i>Journal of Bacteriology</i> , 1998 , 180, 2822-9	3.5	41	
257	Activation and repression of transcription at the double tandem divergent promoters for the xylR and xylS genes of the TOL plasmid of Pseudomonas putida. <i>Journal of Bacteriology</i> , 1998 , 180, 2889-94	3.5	60	
256	Cascade regulation of dimethyl sulfoxide reductase (dor) gene expression in the facultative phototroph Rhodobacter sphaeroides 2.4.1T. <i>Journal of Bacteriology</i> , 1998 , 180, 2924-30	3.5	29	
255	Cloning, sequencing, and phenotypic characterization of the rpoS gene from Pseudomonas putida KT2440. <i>Journal of Bacteriology</i> , 1998 , 180, 3421-31	3.5	89	
254	Dentilisin activity affects the organization of the outer sheath of Treponema denticola. <i>Journal of Bacteriology</i> , 1998 , 180, 3837-44	3.5	71	
253	Both the fipA gene of pKM101 and the pifC gene of F inhibit conjugal transfer of RP1 by an effect on traG. <i>Journal of Bacteriology</i> , 1998 , 180, 4093-101	3.5	34	
252	Cloning and identification of conjugative transfer origins in the Rhizobium meliloti genome. <i>Journal of Bacteriology</i> , 1998 , 180, 4583-90	3.5	22	
251	Two amino acid residues of transposase contributing to differential transposability of IS1 elements in Escherichia coli. <i>Journal of Bacteriology</i> , 1998 , 180, 5279-83	3.5	4	
250	Direct sulfhydrylation for methionine biosynthesis in Leptospira meyeri. <i>Journal of Bacteriology</i> , 1998 , 180, 250-5	3.5	26	
249	Identification and characterization of IS1411, a new insertion sequence which causes transcriptional activation of the phenol degradation genes in Pseudomonas putida. <i>Journal of Bacteriology</i> , 1998 , 180, 5306-12	3.5	52	
248	Redox-dependent gene regulation in Rhodobacter sphaeroides 2.4.1(T): effects on dimethyl sulfoxide reductase (dor) gene expression. <i>Journal of Bacteriology</i> , 1998 , 180, 5612-8	3.5	32	
247	Structural and functional characterization of IS1358 from Vibrio cholerae. <i>Journal of Bacteriology</i> , 1998 , 180, 6101-6	3.5	17	
246	Novel organization of the genes for phthalate degradation from Burkholderia cepacia DBO1. <i>Journal of Bacteriology</i> , 1998 , 180, 6529-37	3.5	99	
245	IncP plasmids are unusually effective in mediating conjugation of Escherichia coli and Saccharomyces cerevisiae: involvement of the tra2 mating system. <i>Journal of Bacteriology</i> , 1998 , 180, 6538-43	3.5	60	
244	Identification and characterization of alcR, a gene encoding an AraC-like regulator of alcaligin siderophore biosynthesis and transport in Bordetella pertussis and Bordetella bronchiseptica. <i>Journal of Bacteriology</i> , 1998 , 180, 862-70	3.5	42	
243	A major outer membrane protein of Rahnella aquatilis functions as a porin and root adhesin. Journal of Bacteriology, 1998 , 180, 909-13	3.5	17	
242	Genetic complementation and kinetic analyses of Rhodobacter capsulatus ORF1696 mutants indicate that the ORF1696 protein enhances assembly of the light-harvesting I complex. <i>Journal of Bacteriology</i> , 1998 , 180, 1759-65	3.5	28	
241	Oxygen regulation of the ccoN gene encoding a component of the cbb3 oxidase in Rhodobacter sphaeroides 2.4.1T: involvement of the FnrL protein. <i>Journal of Bacteriology</i> , 1998 , 180, 2228-31	3.5	50	

240	Identification of an Escherichia coli pepA homolog and its involvement in suppression of the algB phenotype in mucoid Pseudomonas aeruginosa. <i>Journal of Bacteriology</i> , 1999 , 181, 107-16	3.5	33
239	Cell wall-anchored CshA polypeptide (259 kilodaltons) in Streptococcus gordonii forms surface fibrils that confer hydrophobic and adhesive properties. <i>Journal of Bacteriology</i> , 1999 , 181, 3087-95	3.5	97
238	Ferric enterochelin transport in Yersinia enterocolitica: molecular and evolutionary aspects. <i>Journal of Bacteriology</i> , 1999 , 181, 6387-95	3.5	58
237	Sulfide-quinone reductase from Rhodobacter capsulatus: requirement for growth, periplasmic localization, and extension of gene sequence analysis. <i>Journal of Bacteriology</i> , 1999 , 181, 6516-23	3.5	71
236	Evidence of horizontal transfer of the EcoO109I restriction-modification gene to Escherichia coli chromosomal DNA. <i>Journal of Bacteriology</i> , 1999 , 181, 6822-7	3.5	40
235	Type 1 fimbriation and phase switching in a natural Escherichia coli fimB null strain, Nissle 1917. Journal of Bacteriology, 1999 , 181, 7470-8	3.5	26
234	Pseudomonas aeruginosa fur overlaps with a gene encoding a novel outer membrane lipoprotein, OmlA. <i>Journal of Bacteriology</i> , 1999 , 181, 1099-109	3.5	80
233	Characterization of insertions of IS476 and two newly identified insertion sequences, IS1478 and IS1479, in Xanthomonas campestris pv. campestris. <i>Journal of Bacteriology</i> , 1999 , 181, 1220-8	3.5	15
232	The PalkBFGHJKL promoter is under carbon catabolite repression control in Pseudomonas oleovorans but not in Escherichia coli alk+ recombinants. <i>Journal of Bacteriology</i> , 1999 , 181, 1610-6	3.5	47
231	Organization of biogenesis genes for aggregative adherence fimbria II defines a virulence gene cluster in enteroaggregative Escherichia coli. <i>Journal of Bacteriology</i> , 1999 , 181, 1779-85	3.5	73
230	The major phase-variable outer membrane protein of Escherichia coli structurally resembles the immunoglobulin A1 protease class of exported protein and is regulated by a novel mechanism involving Dam and oxyR. <i>Journal of Bacteriology</i> , 1999 , 181, 2132-41	3.5	129
229	High-level production of Escherichia coli STb heat-stable enterotoxin and quantification by a direct enzyme-linked immunosorbent assay. 1990 , 28, 2383-8		13
228	Construction of a DNA probe and detection of Actinobacillus pleuropneumoniae by using polymerase chain reaction. 1991 , 29, 1183-7		26
227	Monoclonal antibodies specific for the Escherichia coli heat-stable enterotoxin STb. 1991 , 29, 1963-8		3
226	Rapid and specific detection of the pap, afa, and sfa adhesin-encoding operons in uropathogenic Escherichia coli strains by polymerase chain reaction. 1992 , 30, 1189-93		209
225	Molecular epidemiology of a nosocomial outbreak due to SHV-4-producing strains of Citrobacter diversus. 1997 , 35, 2561-7		22
224	Isolation and Mapping of Small Cauliflower Mosaic Virus DNA Fragments Active as Promoters in Escherichia coli. 1981 , 37, 673-82		15
223	Restriction alleviation by bacteriophages lambda and lambda reverse. 1981 , 38, 621-31		18

222	Avian myeloblastosis virus transforming gene is related to unique chicken DNA regions separated by at least one intervening sequence. 1982 , 41, 250-7	69
221	Molecular cloning of the Fujinami sarcoma virus genome and its comparison with sequences of other related transforming viruses. 1982 , 42, 1007-16	42
220	Organization of chicken DNA sequences homologous to the transforming gene of avian myeloblastosis virus. I. Restriction enzyme analysis of total DNA from normal and leukemic cells. 1982 , 44, 586-94	15
219	Organization of chicken DNA sequences homologous to the transforming gene of avian myeloblastosis virus. II. Isolation and characterization of lambda proto-amv DNA recombinant clones from a library of leukemic chicken DNA. 1983 , 45, 925-40	21
218	Deletion mutants of Moloney murine leukemia virus which lack glycosylated gag protein are replication competent. 1983 , 46, 538-46	87
217	Structural proteins and cell-free translation products of total RNA and hybrid-selected RNA from two DNA variants of vaccinia virus. 1983 , 46, 656-60	1
216	Construction of an infectious molecular clone of the autonomous parvovirus minute virus of mice. 1983 , 47, 227-32	123
215	Fine mapping and molecular cloning of mutations in the herpes simplex virus DNA polymerase locus. 1984 , 49, 236-47	87
214	Evidence that Escherichia coli virus T1 induces a DNA methyltransferase. 1984 , 49, 588-90	13
213	Mutations in the gag gene of Moloney murine leukemia virus: effects on production of virions and reverse transcriptase. 1984 , 49, 918-24	82
212	Characterization of the guinea pig cytomegalovirus genome by molecular cloning and physical mapping. 1984 , 52, 436-47	38
211	Transformation of Brown Leghorn chicken embryo fibroblasts by avian myeloblastosis virus proviral DNA. 1985 , 55, 193-205	15
210	Biologically active proviral clone of myeloblastosis-associated virus type 1: implications for the genesis of avian myeloblastosis virus. 1985 , 56, 240-4	34
209	Analysis of retroviral pol gene products with antisera raised against fusion proteins produced in Escherichia coli. 1986 , 59, 328-40	55
208	Physical and genetic characterization of the genome of Lactobacillus lactis bacteriophage LL-H. 1986 , 59, 551-5	38
207	Identification of the p53 protein domain involved in formation of the simian virus 40 large T-antigen-p53 protein complex. 1986 , 59, 574-83	149
206	Construction and characterization of CV-1P cell lines which constitutively express the simian virus 40 agnoprotein: alteration of plaquing phenotype of viral agnogene mutants. 1986 , 60, 415-22	28
205	Structural characteristics of the Corynebacterium lilium bacteriophage CL31. 1987 , 61, 1540-5	12

204	Cloning, purification, and biochemical characterization of the pneumococcal bacteriophage Cp-1 lysin. 1987 , 61, 2573-80	68
203	Delineation of the viral products of recombination in vaccinia virus-infected cells. 1988 , 62, 1046-54	44
202	Adeno-associated virus general transduction vectors: analysis of proviral structures. 1988 , 62, 1963-73	280
201	The product of the bovine papillomavirus type 1 modulator gene (M) is a phosphoprotein. 1988 , 62, 2474-82	35
200	Mutational analysis of polyomavirus small-T-antigen functions in productive infection and in transformation. 1989 , 63, 2126-33	28
199	Association of a cellular heat shock protein with simian virus 40 large T antigen in transformed cells. 1989 , 63, 3961-73	83
198	Utilization of DNA recombination for the two-step replacement of growth factor sequences in the vaccinia virus genome. 1991 , 65, 4609-18	4
197	Transfection of Escherichia coli and Salmonella typhimurium spheroplasts: host-controlled restriction of infective bacteriophage P22 deoxyribonucleic acid. 1971 , 8, 197-202	9
196	HOL1 mutations confer novel ion transport in Saccharomyces cerevisiae. 1990 , 10, 643-652	10
195	Phosphorylated forms of GAL4 are correlated with ability to activate transcription. 1990 , 10, 4623-4629	31
194	SPT6, an essential gene that affects transcription in Saccharomyces cerevisiae, encodes a nuclear protein with an extremely acidic amino terminus. 1990 , 10, 4935-4941	53
193	The URE2 gene product of Saccharomyces cerevisiae plays an important role in the cellular response to the nitrogen source and has homology to glutathione s-transferases. 1991 , 11, 822-832	111
192	MOD5 translation initiation sites determine N6-isopentenyladenosine modification of mitochondrial and cytoplasmic tRNA. 1991 , 11, 2382-2390	45
191	Molecular and genetic analysis of the gene encoding the Saccharomyces cerevisiae strand exchange protein Sep1. 1991 , 11, 2593-2608	53
190	SPT5, an essential gene important for normal transcription in Saccharomyces cerevisiae, encodes an acidic nuclear protein with a carboxy-terminal repeat. 1991 , 11, 3009-3019	106
189	Dominant mutations in a gene encoding a putative protein kinase (BCK1) bypass the requirement for a Saccharomyces cerevisiae protein kinase C homolog. 1992 , 12, 172-182	178
188	A presumptive helicase (MOT1 gene product) affects gene expression and is required for viability in the yeast Saccharomyces cerevisiae. 1992 , 12, 1879-1892	100
187	Overproduction of the GAL1 or GAL3 protein causes galactose-independent activation of the GAL4 protein: evidence for a new model of induction for the yeast GAL/MEL regulon. 1992 , 12, 2701-2707	51

186	DPH5, a methyltransferase gene required for diphthamide biosynthesis in Saccharomyces cerevisiae. 1992 , 12, 4026-4037	42
185	A yeast mitogen-activated protein kinase homolog (Mpk1p) mediates signalling by protein kinase C. 1993 , 13, 3067-3075	170
184	A pair of functionally redundant yeast genes (PPZ1 and PPZ2) encoding type 1-related protein phosphatases function within the PKC1-mediated pathway. 1993 , 13, 5843-5853	61
183	CDC44: a putative nucleotide-binding protein required for cell cycle progression that has homology to subunits of replication factor C. 1994 , 14, 255-267	32
182	Two upstream activation sequences control the expression of the XPR2 gene in the yeast Yarrowia lipolytica. 1994 , 14, 327-338	12
181	DNA sequences required for specific and efficient initiation of transcription at the polyoma virus early promoter. 1982 , 2, 737-751	29
180	Cloning of abundant mRNA species present during conjugation of Tetrahymena thermophila: identification of mRNA species present exclusively during meiosis. 1983 , 3, 1857-1865	39
179	Rare internal C4A4 repeats in the micronuclear genome of Oxytricha fallax. 1984 , 4, 2661-2667	9
178	Temporal analysis of general control of amino acid biosynthesis in Saccharomyces cerevisiae: role of positive regulatory genes in initiation and maintenance of mRNA derepression. 1984 , 4, 520-528	70
177	Three different macronuclear DNAs in Oxytricha fallax share a common sequence block. 1984 , 4, 931-938	17
176	Model for homologous recombination during transfer of DNA into mouse L cells: role for DNA ends in the recombination process. 1984 , 4, 1020-1034	303
175	Saccharomyces cerevisiae ribosomes recognize non-AUG initiation codons. 1984 , 4, 1191-1197	57
174	Complex regulation of simian virus 40 early-region transcription from different overlapping promoters. 1984 , 4, 1900-1914	40
173	Direct and indirect gene replacements in Aspergillus nidulans. 1985 , 5, 1714-1721	100
172	Analysis of an activatable promoter: sequences in the simian virus 40 late promoter required for T-antigen-mediated trans activation. 1985 , 5, 1859-1869	91
171	Two functional alpha-tubulin genes of the yeast Saccharomyces cerevisiae encode divergent proteins. 1986 , 6, 3711-3721	96
170	Tripartite upstream promoter element essential for expression of Saccharomyces cerevisiae ribosomal protein genes. 1986 , 6, 674-687	100

168	Saccharomyces cerevisiae PHO5 promoter region: location and function of the upstream activation site. 1986 , 6, 2613-2623	21
167	Extrachromosomal recombination in mammalian cells as studied with single- and double-stranded DNA substrates. 1987 , 7, 129-140	37
166	Directed mutagenesis in Candida albicans: one-step gene disruption to isolate ura3 mutants. 1987 , 7, 199-208	74
165	Development of autonomously replicating plasmids for Candida albicans. 1987 , 7, 209-217	50
164	Ty1 sequence with enhancer and mating-type-dependent regulatory activities. 1987 , 7, 258-265	53
163	Genomic organization of alpha satellite DNA on human chromosome 7: evidence for two distinct alphoid domains on a single chromosome. 1987 , 7, 349-356	80
162	Cloning and characterization of the low-affinity cyclic AMP phosphodiesterase gene of Saccharomyces cerevisiae. 1987 , 7, 3629-3636	90
161	Proline utilization in Saccharomyces cerevisiae: sequence, regulation, and mitochondrial localization of the PUT1 gene product. 1987 , 7, 4431-4440	53
160	The SPT6 gene is essential for growth and is required for delta-mediated transcription in Saccharomyces cerevisiae. 1987 , 7, 679-686	111
159	Elements involved in oxygen regulation of the Saccharomyces cerevisiae CYC7 gene. 1987 , 7, 2212-2220	54
159 158	Elements involved in oxygen regulation of the Saccharomyces cerevisiae CYC7 gene. 1987, 7, 2212-2220 Functional organization of the Aspergillus nidulans trpC promoter. 1987, 7, 2352-2359	54 42
158	Functional organization of the Aspergillus nidulans trpC promoter. 1987 , 7, 2352-2359 Cell-type-dependent gene activation by yeast transposon Ty1 involves multiple regulatory	42
158 157	Functional organization of the Aspergillus nidulans trpC promoter. 1987 , 7, 2352-2359 Cell-type-dependent gene activation by yeast transposon Ty1 involves multiple regulatory determinants. 1987 , 7, 3205-3211 A regulatory region responsible for proline-specific induction of the yeast PUT2 gene is adjacent to	4 ² 35
158 157 156	Functional organization of the Aspergillus nidulans trpC promoter. 1987 , 7, 2352-2359 Cell-type-dependent gene activation by yeast transposon Ty1 involves multiple regulatory determinants. 1987 , 7, 3205-3211 A regulatory region responsible for proline-specific induction of the yeast PUT2 gene is adjacent to its TATA box. 1988 , 8, 4634-4641 Molecular analysis of GCN3, a translational activator of GCN4: evidence for posttranslational	4 ² 35 31
158 157 156	Functional organization of the Aspergillus nidulans trpC promoter. 1987, 7, 2352-2359 Cell-type-dependent gene activation by yeast transposon Ty1 involves multiple regulatory determinants. 1987, 7, 3205-3211 A regulatory region responsible for proline-specific induction of the yeast PUT2 gene is adjacent to its TATA box. 1988, 8, 4634-4641 Molecular analysis of GCN3, a translational activator of GCN4: evidence for posttranslational control of GCN3 regulatory function. 1988, 8, 4808-4820 GAL11 protein, an auxiliary transcription activator for genes encoding galactose-metabolizing	42353152
158 157 156 155	Functional organization of the Aspergillus nidulans trpC promoter. 1987, 7, 2352-2359 Cell-type-dependent gene activation by yeast transposon Ty1 involves multiple regulatory determinants. 1987, 7, 3205-3211 A regulatory region responsible for proline-specific induction of the yeast PUT2 gene is adjacent to its TATA box. 1988, 8, 4634-4641 Molecular analysis of GCN3, a translational activator of GCN4: evidence for posttranslational control of GCN3 regulatory function. 1988, 8, 4808-4820 GAL11 protein, an auxiliary transcription activator for genes encoding galactose-metabolizing enzymes in Saccharomyces cerevisiae. 1988, 8, 4991-4999 Cloning of the RNA8 gene of Saccharomyces cerevisiae, detection of the RNA8 protein, and	42 35 31 52 93

150	Biology of DNA restriction. 1993, 57, 434-50		494
149	A neuromedin U receptor acts with the sensory system to modulate food type-dependent effects on C. elegans lifespan. 2010 , 8, e1000376		68
148	Cell-to-cell transformation in Escherichia coli: a novel type of natural transformation involving cell-derived DNA and a putative promoting pheromone. 2011 , 6, e16355		29
147	Mutation frequency and spectrum of mutations vary at different chromosomal positions of Pseudomonas putida. 2012 , 7, e48511		18
146	Pseudomonas putida AlkA and AlkB proteins comprise different defense systems for the repair of alkylation damage to DNA - in vivo, in vitro, and in silico studies. 2013 , 8, e76198		9
145	Complete nucleotide sequence and analysis of two conjugative broad host range plasmids from a marine microbial biofilm. 2014 , 9, e92321		9
144	Functional Characterization of the Mannitol Promoter of Pseudomonas fluorescens DSM 50106 and Its Application for a Mannitol-Inducible Expression System for Pseudomonas putida KT2440. 2015 , 10, e0133248		17
143	Functional metagenomics reveals novel II-galactosidases not predictable from gene sequences. 2017 , 12, e0172545		29
142	Frequency of virulence genes in Escherichia coli strains isolated from piglets with diarrhea in the North Parana State, Brazil. 2009 , 40, 199-204		8
141	Transfer of Plasmid pJP4 from Escherichia coli to Activated Sludge Bacteria by Filter Mating. 2009 , 45, 185-191		3
140	Genetic and molecular characterization of multicomponent resistance of against allicin. 2020, 3,		8
139	Bacteriophage P1-induced cell-to-cell plasmid transformation in. 2017 , 3, 784-797		6
138	Generation of a Constitutive Green Fluorescent Protein Expression Construct to Mark Biocontrol Bacteria Using P43 Promoter from Bacillus subtilis. 2009 , 25, 136-141		7
137	Metagenomic chromosome conformation capture (meta3C) unveils the diversity of chromosome organization in microorganisms. <i>ELife</i> , 2014 , 3, e03318	8.9	124
136	The entomopathogenic nematode Steinernema hermaphroditum is a self-fertilizing hermaphrodite and a genetically tractable system for the study of parasitic and mutualistic symbiosis. 2021 ,		0
135	[Identification of a gene involved in the expression of the pathogenicity-related gene XC3814 in Xanthomonas campestris]. 2010 , 32, 81-6		
134	Experimental identification of Actinobacillus pleuropneumoniae strains L20 and JL03 heptosyltransferases, evidence for a new heptosyltransferase signature sequence. 2013 , 8, e55546		1
133	Effect of Deoxyribonucleic Acid Length on the Adenosine Triphosphatase Activity of Escherichia coli Restriction Endonuclease B. 1974 , 249, 543-552		23

132	The Transcription of Satellite and Ribosomal DNA Sequences on Lampbrush Chromosomes of Crested Newts. 1981 , 33-46	
131	Plasmid and phage M13 cloning vectors. 1982 , 1-52	1
130	THE METHYLATED STATE OF A DNA SEQUENCE AND ITS EFFECT ON THE FUNCTIONS OF THE RESTRICTION ENDONUCLEASE FROM E. COLI K 1982 , 23-39	
129	Isolation and characterization of four adenovirus type 12-transformed human embryo kidney cell lines. 1984 , 4, 110-116	12
128	Cloning of an enzymatically active segment of the exotoxin-A gene of Pseudomonas aeruginosa. 1985 , 30, 777-90	
127	New Variations on an Old Theme: Type I Restriction Enzymes and their Recognition Sequences. 1985 , 62-78	
126	Molecular Cloning of a recA-Like Gene from the Cyanobacterium Anabaena Variabilis. 1987, 833-836	
125	Mobilization of Cryptic Plasmids in Azospirillum. 1988 , 54-63	
124	THE FATE OF GENETICALLY ENGINEERED MICROORGANISMS IN FRESHWATER. 1989 , 375-380	
123	Procedures for constructing ds-cDNA clone banks. 1989 , 85-136	
122	Survival of laboratory and freshwater bacteria carrying an extrachromosomal xylE gene in freshwater microcosms. 1990 , 89-99	1
121	Repair and recombination of X-irradiated plasmids in Xenopus laevis oocytes. 1990 , 10, 5849-5856	8
120	Nitrogen-Fixing Enterobacter: Structure of nif-Gene Group, nif-Plasmid Spread and Risk Assessment for Releases. 1992 , 343-363	
119	The relationship between growth enhancement and pet expression in Escherichia coli. 1996 , 57-58, 277-92	1
118	Cloning Vectors. 1999 , 226-254	
117	Functional metagenomics reveals novel ${ m I}$ -galactosidases not predictable from gene sequences.	1
116	Identification of Berenil Target Sites in Plasmid pBR322. 2017 , 5, 24-30	
115	Computationally Designed Recombinant-DNA-Based Compounds Production Driven in Plants During Secondary Metabolism and Their Implication in Antimalarial Therapies. 2019 , 127-146	6

114	Two novel heteropolymer-forming proteins maintain multicellular shape of the cyanobacteriumAnabaenasp. PCC 7120.	0
113	Rare earth element (REE)-dependent growth of Pseudomonas putida KT2440 depends on the ABC-transporter PedA1A2BC and is influenced by iron availability.	1
112	Identification and characterization of novel filament-forming proteins in cyanobacteria.	
111	Mismatch repair hierarchy of Pseudomonas putida revealed by mutagenic ssDNA recombineering of the pyrF gene.	
110	Contribution of the Gene Encoding Glutamate Racemase in the Motility and Virulence of. 2020 , 36, 355-363	2
109	A novel toxin-antitoxin module SlvTBlvA governs megaplasmid stability and incites solvent tolerance inPseudomonas putidaS12.	
108	Coordinate expression of a small polypeptide with the lactose carrier of Escherichia coli 1985 , 260, 14235-14	l2 4 1
107	Point mutations in the regulatory region of the human adenoviral VAI gene 1983 , 258, 11576-11581	6
106	Identification of the carboxyl-terminal amino acids important for the ADP-ribosylation activity of Pseudomonas exotoxin A. 1989 , 264, 18818-18823	10
105	Complementation in Vitro by Mutant Restriction Enzymes from Escherichia coli K. 1974 , 249, 4580-4586	12
104	Structure of amplified DNA in different Syrian hamster cell lines resistant to N-(phosphonacetyl)-L-aspartate. 1983 , 3, 2076-2088	48
103	Retrovirus transduction: generation of infectious retroviruses expressing dominant and selectable genes is associated with in vivo recombination and deletion events. 1983 , 3, 2180-2190	32
102	Retrovirus transduction: segregation of the viral transforming function and the herpes simplex virus tk gene in infectious Friend spleen focus-forming virus thymidine kinase vectors. 1983 , 3, 2191-2202	27
101	A DNA-binding protein from Ustilago maydis prefers duplex DNA without chain interruptions. 1983 , 3, 605-612	
100	A positive regulatory site and a negative regulatory site control the expression of the Saccharomyces cerevisiae CYC7 gene. 1984 , 4, 2023-2030	55
99	Isolation and characterization of the RNA2, RNA3, and RNA11 genes of Saccharomyces cerevisiae. 1984, 4, 2396-2405	36
98	Point mutations implicate repeated sequences as essential elements of the CYC7 negative upstream site in Saccharomyces cerevisiae. 1985 , 5, 2951-2958	24
97	Behavior of a Drosophila melanogaster transposable element in Saccharomyces cerevisiae. 1985 , 5, 3325-332	93

96	Genetic engineering in the Precambrian: structure of the chicken triosephosphate isomerase gene. 1985 , 5, 3497-3506		15
95	Molecular cloning and chromosomal localization of DNA sequences associated with a human DNA repair gene. 1985 , 5, 398-405		10
94	Family of human alpha-interferon-like sequences. 1985 , 5, 510-517		2
93	Expression of a cDNA sequence encoding human purine nucleoside phosphorylase in rodent and human cells. 1985 , 5, 1349-1357		10
92	Differential effectiveness of yeast cytochrome c oxidase subunit genes results from differences in expression not function. 1987 , 7, 3520-3526		33
91	Properties of promoters cloned randomly from the Saccharomyces cerevisiae genome. 1988 , 8, 4217-4	224	23
90	Genetic evidence for promoter competition in Saccharomyces cerevisiae. 1988 , 8, 4608-4615		51
89	Oxygen-dependent upstream activation sites of Saccharomyces cerevisiae cytochrome c genes are related forms of the same sequence. 1988 , 8, 2275-2279		12
88	Regulation of HIS4-lacZ fusions in Saccharomyces cerevisiae. 1982 , 2, 1212-1219		61
87	Sequence heterogeneity, multiplicity, and genomic organization of alpha- and beta-tubulin genes in sea urchins. 1981 , 1, 1125-1137		22
86	Deoxyribonucleic acid modification by intermediate-type modification mutants of Escherichia coli K-12 and B. <i>Journal of Bacteriology</i> , 1975 , 124, 1395-402	3.5	
85	Isolation and characterization of mutations in the HXK2 gene of Saccharomyces cerevisiae. 1989 , 9, 563	30-5642	2 15
84	Meiotic disjunction of homologs in Saccharomyces cerevisiae is directed by pairing and recombination of the chromosome arms but not by pairing of the centromeres. 1988 , 119, 273-87		14
83	The sequence at the 3' terminus of mouse immunoglobulin secreted mu chain messenger RNA determined from cloned cDNA. 1980 , 8, 703-13		16
82	Cyanide production by Pseudomonas fluorescens helps suppress black root rot of tobacco under gnotobiotic conditions. <i>EMBO Journal</i> , 1989 , 8, 351-8	13	115
81	The integrated conjugative plasmid pSAM2 of Streptomyces ambofaciens is related to temperate bacteriophages. <i>EMBO Journal</i> , 1989 , 8, 973-80	13	40
8o	Structural genes for the vanadium nitrogenase from Azotobacter chroococcum. <i>EMBO Journal</i> , 1989 , 8, 1217-24	13	25
79	An ice nucleation reporter gene system: identification of inducible pathogenicity genes in Pseudomonas syringae pv. phaseolicola. <i>EMBO Journal</i> , 1989 , 8, 1291-301	13	40

78	Role of myristoylation of poliovirus capsid protein VP4 as determined by site-directed mutagenesis of its N-terminal sequence. <i>EMBO Journal</i> , 1989 , 8, 2661-8	13	44
77	Characterization of the staphylococcal beta-lactamase transposon Tn552. <i>EMBO Journal</i> , 1989 , 8, 2761	-733,	39
76	Action at a distance in Mu DNA transposition: an enhancer-like element is the site of action of supercoiling relief activity by integration host factor (IHF). <i>EMBO Journal</i> , 1989 , 8, 3483-9	13	21
75	Properties of bacteriorhodopsin derivatives constructed by insertion of an exogenous epitope into extra-membrane loops. <i>EMBO Journal</i> , 1993 , 12, 3399-408	13	3
74	Disruption of the nucleosomes at the replication fork. <i>EMBO Journal</i> , 1993 , 12, 4533-45	13	58
73	Macroevolution by transposition: drastic modification of DNA recognition by a type I restriction enzyme following Tn5 transposition. <i>EMBO Journal</i> , 1993 , 12, 4585-91	13	31
72	Increased protein flexibility leads to promiscuous proteinDNA interactions in type IC restriction-modification systems. <i>EMBO Journal</i> , 1991 , 10, 951-7	13	17
71	Analysis of the Rhodobacter capsulatus puc operon: the pucC gene plays a central role in the regulation of LHII (B800-850 complex) expression. <i>EMBO Journal</i> , 1991 , 10, 2949-55	13	19
70	Resistance to macrolides, lincosamides and streptogramin type B antibiotics due to a mutation in an rRNA operon of Streptomyces ambofaciens. <i>EMBO Journal</i> , 1988 , 7, 277-82	13	22
69	Sequential order of target-recognizing domains in multispecific DNA-methyltransferases. <i>EMBO Journal</i> , 1988 , 7, 2601-9	13	49
68	Structural and functional analysis of Tn4430: identification of an integrase-like protein involved in the co-integrate-resolution process. <i>EMBO Journal</i> , 1988 , 7, 1515-26	13	48
67	An essential Saccharomyces cerevisiae single-stranded DNA binding protein is homologous to the large subunit of human RP-A. <i>EMBO Journal</i> , 1990 , 9, 2321-9	13	80
66	Nucleosome assembly in mammalian cell extracts before and after DNA replication. <i>EMBO Journal</i> , 1990 , 9, 2911-22	13	26
65	Structural homologies among type I restriction-modification systems. <i>EMBO Journal</i> , 1982 , 1, 535-9	13	29
64	Cloning and analysis of a genomic fragment of Dictyostelium discoideum hybridizing to an RNA specifically accumulated in spore cells. <i>EMBO Journal</i> , 1982 , 1, 1089-93	13	
63	Control of replication of plasmid R1: translation of the 7k reading frame in the RepA mRNA leader region counteracts the interaction between CopA RNA and CopT RNA. <i>EMBO Journal</i> , 1987 , 6, 515-22	13	12
62	Host-specific regulation of nodulation genes in Rhizobium is mediated by a plant-signal, interacting with the nodD gene product. <i>EMBO Journal</i> , 1987 , 6, 841-8	13	77
61	Organization of multispecific DNA methyltransferases encoded by temperate Bacillus subtilis phages. <i>EMBO Journal</i> , 1987 , 6, 1137-42	13	35

60	Base substitutions in transposable element IS1 cause DNA duplication of variable length at the target site for plasmid co-integration. <i>EMBO Journal</i> , 1987 , 6, 1799-803	13	5
59	Cloning and expression of the gene for a fibronectin-binding protein from Staphylococcus aureus. <i>EMBO Journal</i> , 1987 , 6, 2351-7	13	76
58	Transport of proteins to the mitochondrial intermembrane space: the 'matrix-targeting' and the 'sorting' domains in the cytochrome c1 presequence. <i>EMBO Journal</i> , 1987 , 6, 2433-9	13	30
57	A recombinant apoA-1protein A hybrid reproduces the binding parameters of HDL to its receptor. <i>EMBO Journal</i> , 1987 , 6, 3253-60	13	3
56	Biological consequences of segmental alterations in mRNA stability: effects of deletion of the intercistronic hairpin loop region of the Rhodobacter capsulatus puf operon. <i>EMBO Journal</i> , 1987 , 6, 3515-20	13	42
55	Construction and use of chimeric SPR/phi 3T DNA methyltransferases in the definition of sequence recognizing enzyme regions. <i>EMBO Journal</i> , 1987 , 6, 3543-9	13	48
54	Independent and synergistic activity of rol A, B and C loci in stimulating abnormal growth in plants. <i>EMBO Journal</i> , 1987 , 6, 3891-9	13	129
53	In vitro synthesis of full-length influenza virus complementary RNA. <i>EMBO Journal</i> , 1985 , 4, 243-7	13	12
52	A Tn3 lacZ transposon for the random generation of beta-galactosidase gene fusions: application to the analysis of gene expression in Agrobacterium. <i>EMBO Journal</i> , 1985 , 4, 891-8	13	227
51	Deletion analysis of Rhizobium meliloti symbiotic promoters. <i>EMBO Journal</i> , 1985 , 4, 2419-24	13	36
50	In vivo transfer of genetic information between gram-positive and gram-negative bacteria. <i>EMBO Journal</i> , 1985 , 4, 3583-7	13	92
49	Transcriptional activation of a pap pilus virulence operon from uropathogenic Escherichia coli. <i>EMBO Journal</i> , 1985 , 4, 3887-93	13	58
48	Analysis of signals for secretion in the staphylococcal protein A gene. <i>EMBO Journal</i> , 1985 , 4, 3901-6	13	31
47	Dynamics of cruciform extrusion in supercoiled DNA: use of a synthetic inverted repeat to study conformational populations. <i>EMBO Journal</i> , 1983 , 2, 527-33	13	15
46	The cloning and expression of the gene encoding organ-specific esterase S from the genome of Drosophila virilis. <i>EMBO Journal</i> , 1983 , 2, 1-7	13	4
45	Intergeneric transfer and exchange recombination of restriction fragments cloned in pBR322: a novel strategy for the reversed genetics of the Ti plasmids of Agrobacterium tumefaciens. <i>EMBO Journal</i> , 1983 , 2, 411-7	13	152
44	Repression of glycoprotein synthesis and release of surface coat during transformation of Trypanosoma brucei. <i>EMBO Journal</i> , 1983 , 2, 1721-8	13	40
43	T-antigen expression by polyoma mutants with modified RNA splicing. <i>EMBO Journal</i> , 1983 , 2, 2095-10	1 13	30

42	Recombination of constant and variable modules alters DNA sequence recognition by type IC restriction-modification enzymes. <i>EMBO Journal</i> , 1992 , 11, 233-40	13	47
41	MPI1, an essential gene encoding a mitochondrial membrane protein, is possibly involved in protein import into yeast mitochondria. <i>EMBO Journal</i> , 1992 , 11, 3619-28	13	65
40	cDNA clones for the ecdysone-inducible polypeptide (EIP) mRNAs of Drosophila Kc cells. <i>EMBO Journal</i> , 1984 , 3, 235-43	13	14
39	The Schizosaccharomyces pombe sup3-i suppressor recognizes ochre, but not amber codons in vitro and in vivo. <i>EMBO Journal</i> , 1984 , 3, 423-8	13	11
38	The EcoA restriction and modification system of Escherichia coli 15T-: enzyme structure and DNA recognition sequence. <i>EMBO Journal</i> , 1984 , 3, 575-9	13	23
37	Mutations in E coli cistrons affecting adhesion to human cells do not abolish Pap pili fiber formation. <i>EMBO Journal</i> , 1984 , 3, 1159-65	13	66
36	Genes of pyelonephritogenic E. coli required for digalactoside-specific agglutination of human cells. <i>EMBO Journal</i> , 1984 , 3, 1167-73	13	82
35	Mapping of the protein-coding regions of Rhizobium meliloti common nodulation genes. <i>EMBO Journal</i> , 1984 , 3, 1705-11	13	21
34	Cloning of the RNA2 gene of Saccharomyces cerevisiae. <i>EMBO Journal</i> , 1984 , 3, 2825-30	13	17
33	Environmental temperature regulates transcription of a virulence pili operon in E. coli. <i>EMBO Journal</i> , 1984 , 3, 2885-8	13	26
32	Molecular lesions associated with white gene mutations induced by I-R hybrid dysgenesis in Drosophila melanogaster. <i>EMBO Journal</i> , 1984 , 3, 3079-85	13	21
31	Cloning of genes involved in pathogenicity of Xanthomonas campestris pv. campestris using the broad host range cosmid pLAFR1. <i>EMBO Journal</i> , 1984 , 3, 3323-8	13	106
30	Characterization, cloning and sequence analysis of the CDC25 gene which controls the cyclic AMP level of Saccharomyces cerevisiae. <i>EMBO Journal</i> , 1986 , 5, 375-80	13	82
29	Expression of p21 proteins in Escherichia coli and stereochemistry of the nucleotide-binding site. <i>EMBO Journal</i> , 1986 , 5, 1351-8	13	78
28	Two regulatory fim genes, fimB and fimE, control the phase variation of type 1 fimbriae in Escherichia coli. <i>EMBO Journal</i> , 1986 , 5, 1389-93	13	159
27	Structure of the IgG-binding regions of streptococcal protein G. <i>EMBO Journal</i> , 1986 , 5, 1567-75	13	61
26	Production of specific antibodies against protein A fusion proteins. <i>EMBO Journal</i> , 1986 , 5, 2393-8	13	11
25	The sequence of carnation etched ring virus DNA: comparison with cauliflower mosaic virus and retroviruses. <i>EMBO Journal</i> , 1986 , 5, 3083-90	13	51

24	Breaking antimicrobial resistance by disrupting extracytoplasmic protein folding ELife, 2022, 11,	8.9	1
23	Dissection and reconstitution provide insights into electron transport in the membrane-bound aldehyde dehydrogenase complex of <i>Journal of Bacteriology</i> , 2022 , jb0055821	3.5	
22	DNA restriction and modification systems in Salmonella. III. SP, a Salmonella potsdam system allelic to the SB system in Salmonella typhimurium. <i>Molecular Genetics and Genomics</i> , 1975 , 139, 177-88		13
21	A novel promoter, derived from the isocitrate lyase gene of Candida tropicalis, inducible with acetate in Saccharomyces cerevisiae. <i>Applied Microbiology and Biotechnology</i> , 1995 , 43, 489-92	5.7	5
20	Expression of the cbbLcbbS and cbbM genes and distinct organization of the cbb Calvin cycle structural genes of Rhodobacter capsulatus. <i>Archives of Microbiology</i> , 1995 , 164, 396-405	3	39
19	Remodeling of Lipid A in pv. In Vitro International Journal of Molecular Sciences, 2022 , 23,	6.3	1
18	The Roles of the Various Cellulose Biosynthesis Operons in ATCC 23769 <i>Applied and Environmental Microbiology</i> , 2022 , e0246021	4.8	1
17	Enhanced photo fermentative H2 production from cornstalk by acid-tolerant R. capsulatus mutation. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	
16	Data_Sheet_1.docx. 2020 ,		
15	Data_Sheet_1.docx. 2019 ,		
15	Data_Sheet_1.docx. 2019, Data_Sheet_1.docx. 2019,		
			31
14	Data_Sheet_1.docx. 2019 , Comparison Between the Viral Transforming Gene (src) of Recovered Avian Sarcoma Virus and Its	4.8	31
14	Data_Sheet_1.docx. 2019, Comparison Between the Viral Transforming Gene (src) of Recovered Avian Sarcoma Virus and Its Cellular Homolog. 1981, 1, 1024-1037 Discovery of a novel acrylic acid formation pathway in Gluconobacter oxydans and its application in	4.8	
14 13	Data_Sheet_1.docx. 2019, Comparison Between the Viral Transforming Gene (src) of Recovered Avian Sarcoma Virus and Its Cellular Homolog. 1981, 1, 1024-1037 Discovery of a novel acrylic acid formation pathway in Gluconobacter oxydans and its application in biosynthesis of acrylic acid from glycerol. <i>Process Biochemistry</i> , 2022, 118, 182-189 High-Efficiency Multi-site Genomic Editing (HEMSE) Made Easy <i>Methods in Molecular Biology</i> , 2022,		
14 13 12	Data_Sheet_1.docx. 2019, Comparison Between the Viral Transforming Gene (src) of Recovered Avian Sarcoma Virus and Its Cellular Homolog. 1981, 1, 1024-1037 Discovery of a novel acrylic acid formation pathway in Gluconobacter oxydans and its application in biosynthesis of acrylic acid from glycerol. <i>Process Biochemistry</i> , 2022, 118, 182-189 High-Efficiency Multi-site Genomic Editing (HEMSE) Made Easy <i>Methods in Molecular Biology</i> , 2022, 2479, 37-52 Engineering siderophore production in Pseudomonas to improve asbestos weathering. <i>Microbial</i>	1.4	2
14 13 12 11	Data_Sheet_1.docx. 2019, Comparison Between the Viral Transforming Gene (src) of Recovered Avian Sarcoma Virus and Its Cellular Homolog. 1981, 1, 1024-1037 Discovery of a novel acrylic acid formation pathway in Gluconobacter oxydans and its application in biosynthesis of acrylic acid from glycerol. <i>Process Biochemistry</i> , 2022, 118, 182-189 High-Efficiency Multi-site Genomic Editing (HEMSE) Made Easy <i>Methods in Molecular Biology</i> , 2022, 2479, 37-52 Engineering siderophore production in Pseudomonas to improve asbestos weathering. <i>Microbial Biotechnology</i> , Periplasmic dehydroshikimate dehydratase combined with quinate oxidation in Gluconobacter	6.3	2

CITATION REPORT

6	Comparative analysis reveals the modular functional structure of conjugative megaplasmid pTTS12 of Pseudomonas putida S12: A paradigm for transferable traits, plasmid stability, and inheritance?. 13,	O
5	Characterization of Two Novel Predatory Bacteria, Bacteriovorax stolpii HI3 and Myxococcus sp. MH1, Isolated from a Freshwater Pond: Prey Range, and Predatory Dynamics and Efficiency. 2022 , 10, 1816	1
4	SNRPD2 Is a Novel Substrate for the Ubiquitin Ligase Activity of the Salmonella Type III Secretion Effector SlrP. 2022 , 11, 1517	O
3	Engineering of Pseudomonas putida for accelerated co-utilization of glucose and cellobiose yields aerobic overproduction of pyruvate explained by an upgraded metabolic model. 2023 , 75, 29-46	O
2	Characterization and engineering of the branched short-chain dicarboxylate metabolism of Pseudomonas reveals resistance to fungal 2-hydroxyparaconate. 2022 ,	1
1	Spontaneous Cell Lysis by <i>Pelomonas saccharophila</i> MRB3 Provides Plant-Available Macronutrients in Hydroponic Growth Media and Accelerates Biomass Production of Duckweed. 2023 , 21, 49-58	O