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Use of bacteriophage T7 RNA polymerase to direct selective high-level expression of cloned genes

DOI: 10.1016/0022-2836(86)90385-2

Journal of Molecular Biology, 1986, 189, 113-30.

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2043	Identification and analysis of genes for tetracycline resistance and replication functions in the broad-host-range plasmid pLS1. <i>Journal of Molecular Biology</i> , <b>1986</b> , 192, 753-65	6.5	222
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2039	Homology between the ran1+ gene of fission yeast and protein kinases.. <b>1986</b> , 5, 3665-3671		57
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2037	Cloning and characterization of BCY1, a locus encoding a regulatory subunit of the cyclic AMP-dependent protein kinase in <i>Saccharomyces cerevisiae</i> . <b>1987</b> , 7, 1371-7		483
2036	Subcloning. <b>1987</b> , 152, 512-22		7
2035	Evolutionary conservation of the insulinoma gene rig and its possible function. <b>1987</b> , 84, 6659-62		31
2034	Molecular cloning and characterization of the structural gene for protein I, the major outer membrane protein of <i>Neisseria gonorrhoeae</i> . <b>1987</b> , 84, 9084-8		94
2033	Expression and assembly of functional bacterial luciferase in plants. <b>1987</b> , 84, 131-5		127
2032	T7 lysozyme inhibits transcription by T7 RNA polymerase. <b>1987</b> , 49, 221-7		247
2031	Vectors for selective expression of cloned DNAs by T7 RNA polymerase. <b>1987</b> , 56, 125-35		1459
2030	T7 RNA polymerase can direct expression of influenza virus cap-binding protein (PB2) in <i>Escherichia coli</i> . <b>1987</b> , 59, 191-200		22
2029	Identification of p34 and p13, human homologs of the cell cycle regulators of fission yeast encoded by <i>cdc2+</i> and <i>suc1+</i> . <b>1987</b> , 50, 319-25		316

2028	Distinguishing between mechanisms of eukaryotic transcriptional activation with bacteriophage T7 RNA polymerase. <b>1987</b> , 50, 1047-55		143
2027	Overexpression and purification of a biologically active rifampicin-resistant beta subunit of Escherichia coli RNA polymerase. <b>1987</b> , 58, 13-8		10
2026	Gene 3 endonuclease of bacteriophage T7 resolves conformationally branched structures in double-stranded DNA. <i>Journal of Molecular Biology</i> , <b>1987</b> , 193, 359-76	6.5	128
2025	Use of a phage vector for rapid synthesis and cloning of single-stranded cDNA. <b>1987</b> , 52, 11-9		12
2024	Functional domains of Pseudomonas exotoxin identified by deletion analysis of the gene expressed in E. coli. <b>1987</b> , 48, 129-36		400
2023	Proteins encoded by the DpnII restriction gene cassette. Two methylases and an endonuclease. <i>Journal of Molecular Biology</i> , <b>1987</b> , 196, 457-69	6.5	77
2022	Expression of human factor IX and its subfragments in Escherichia coli and generation of antibodies to the subfragments. <b>1987</b> , 26, 5267-74		22
2021	p13suc1 acts in the fission yeast cell division cycle as a component of the p34cdc2 protein kinase.. <b>1987</b> , 6, 3507-3514		264
2020	The product of the mei3+ gene, expressed under control of the mating-type locus, induces meiosis and sporulation in fission yeast.. <b>1987</b> , 6, 729-736		174
2019	Streptococcus pneumoniae polA gene is expressed in Escherichia coli and can functionally substitute for the E. coli polA gene. <b>1987</b> , 169, 4869-71		11
2018	A site-specific recombination function in Staphylococcus aureus plasmids. <b>1987</b> , 169, 2601-10		92
2017	Sulfonamide resistance in Streptococcus pneumoniae: DNA sequence of the gene encoding dihydropteroate synthase and characterization of the enzyme. <b>1987</b> , 169, 4320-6		108
2016	Expression of proteins essential for IS1 transposition: specific binding of InsA to the ends of IS1.. <b>1987</b> , 6, 3163-3169		46
2015	Initiation of plasmid pC194 replication and its control in Bacillus subtilis. <b>1987</b> , 210, 476-84		40
2014	Use of vaccinia virus to express biopharmaceutical products. <b>1987</b> , 4, 92-7		7
2013	Purification and properties of the Drosophila zen protein. <b>1988</b> , 79, 181-9		6
2012	The use of the luxA gene of the bacterial luciferase operon as a reporter gene. <b>1988</b> , 215, 1-9		64
2011	Replication and incompatibility properties of plasmid pUB110 in Bacillus subtilis. <b>1988</b> , 212, 232-40		52

2010	Loosening of the phage structure in a low ionic strength environment. <b>1988</b> , 15, 293-8		6
2009	Analysis of the membrane-binding domain of penicillin-binding protein 5 of Escherichia coli. <b>1988</b> , 2, 563-8		29
2008	Divergent homeo box proteins recognize similar DNA sequences in Drosophila. <b>1988</b> , 332, 858-61		521
2007	The function and structure of the metal coordination sites within the glucocorticoid receptor DNA binding domain. <b>1988</b> , 334, 543-6		497
2006	Selective killing of HIV-infected cells by recombinant human CD4-Pseudomonas exotoxin hybrid protein. <b>1988</b> , 335, 369-72		251
2005	Symmetry and structure of bacteriophage T7. <b>1988</b> , 16, 617-628		7
2004	Cellular uptake of the tat protein from human immunodeficiency virus. <b>1988</b> , 55, 1189-93		2238
2003	Accumulation and decay of DG42 gene products follow a gradient pattern during Xenopus embryogenesis. <b>1988</b> , 129, 114-23		91
2002	UL5, a protein required for HSV DNA synthesis: genetic analysis, overexpression in Escherichia coli, and generation of polyclonal antibodies. <b>1988</b> , 166, 366-78		44
2001	Functional cDNA libraries from Drosophila embryos. <i>Journal of Molecular Biology</i> , <b>1988</b> , 203, 425-37	6.5	618
2000	Molecular substructure of a viral receptor-recognition protein. The gp17 tail-fiber of bacteriophage T7. <i>Journal of Molecular Biology</i> , <b>1988</b> , 200, 351-65	6.5	168
1999	Protein-RNA interactions in the RNase P holoenzyme from Escherichia coli. <i>Journal of Molecular Biology</i> , <b>1988</b> , 202, 835-48	6.5	162
1998	Targeting bacteriophage T7 RNA polymerase to the mammalian cell nucleus. <b>1988</b> , 68, 259-66		100
1997	Bidirectional chain-termination nucleotide sequencing: transposon Tn5seq1 as a mobile source of primer sites. <b>1988</b> , 64, 135-45		58
1996	High level expression and purification of HhaI methyltransferase. <b>1988</b> , 16, 703-17		24
1995	Cloning, characterization, and expression of a human insulin-like growth factor binding protein. <b>1988</b> , 152, 1289-97		217
1994	Autogenous regulatory site on the bacteriophage T4 gene 32 messenger RNA. <i>Journal of Molecular Biology</i> , <b>1988</b> , 201, 517-35	6.5	133
1993	SecA protein is required for secretory protein translocation into E. coli membrane vesicles. <b>1988</b> , 55, 683-92		242

1992	High-level synthesis in <i>Escherichia coli</i> of functional cap-binding eukaryotic initiation factor eIF-4E and affinity purification using a simplified cap-analog resin. <b>1988</b> , 74, 517-25	91
1991	Novel splicing mechanism for the ribosomal RNA intron in the archaeobacterium <i>Desulfurococcus mobilis</i> . <b>1988</b> , 54, 693-703	119
1990	A candidate gene family for the mouse t complex responder (Tcr) locus responsible for haploid effects on sperm function. <b>1988</b> , 55, 71-8	76
1989	Effects of altered expression of the neural cell adhesion molecule, N-CAM, on early neural development in <i>Xenopus</i> embryos. <b>1988</b> , 1, 545-55	57
1988	Single-Stranded DNA Binding Protein Encoded by the virE Locus of <i>Agrobacterium tumefaciens</i> . <b>1988</b> , 240, 501-4	140
1987	Mutational analysis of the L1 binding site of 23S rRNA in <i>Escherichia coli</i> . <b>1988</b> , 16, 10529-45	33
1986	Purification of a RAS-responsive adenyl cyclase complex from <i>Saccharomyces cerevisiae</i> by use of an epitope addition method. <b>1988</b> , 8, 2159-65	945
1985	Expression, modification, and localization of the fushi tarazu protein in <i>Drosophila</i> embryos. <b>1988</b> , 2, 1021-36	102
1984	The 9S RNA precursor of <i>Escherichia coli</i> 5S RNA has three structural domains: implications for processing. <b>1988</b> , 16, 7457-76	29
1983	Isolation of a recombinant copy of the gene encoding C/EBP. <b>1988</b> , 2, 786-800	871
1982	Expression of the bisphosphatase domain of rat liver 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase in <i>Escherichia coli</i> . <b>1988</b> , 85, 6642-6	38
1981	Cytotoxic activity of an interleukin 2- <i>Pseudomonas</i> exotoxin chimeric protein produced in <i>Escherichia coli</i> . <b>1988</b> , 85, 1922-6	106
1980	DNA-binding activities of the <i>Drosophila melanogaster</i> even-skipped protein are mediated by its homeo domain and influenced by protein context. <b>1988</b> , 8, 4598-607	94
1979	ompT encodes the <i>Escherichia coli</i> outer membrane protease that cleaves T7 RNA polymerase during purification. <b>1988</b> , 170, 1245-53	624
1978	Analysis of plasmid-coded ribosomal RNA maxicell techniques. <b>1988</b> , 164, 691-706	5
1977	SYMMETRY AND STRUCTURE OF BACTERIOPHAGE T7. <b>1988</b> , 617-628	
1976	Cloning, characterization, and sequencing of an accessory gene regulator (agr) in <i>Staphylococcus aureus</i> . <b>1988</b> , 170, 4365-72	468
1975	Primer-directed deletions in 5S ribosomal RNA. <b>1988</b> , 164, 710-21	2

1974	Entry of bacteriophage T7 DNA into the cell and escape from host restriction. <b>1988</b> , 170, 2095-105	56
1973	Molecular characterization of the hemolysin determinant of <i>Serratia marcescens</i> . <b>1988</b> , 170, 3177-88	120
1972	Genetics of the iron dicitrate transport system of <i>Escherichia coli</i> . <b>1988</b> , 170, 2716-24	163
1971	SecA suppresses the temperature-sensitive SecY24 defect in protein translocation in <i>Escherichia coli</i> membrane vesicles. <b>1988</b> , 85, 8953-7	64
1970	Purified secB protein of <i>Escherichia coli</i> retards folding and promotes membrane translocation of the maltose-binding protein in vitro. <b>1988</b> , 85, 8978-82	246
1969	Cytotoxic activity of an interleukin 6- <i>Pseudomonas</i> exotoxin fusion protein on human myeloma cells. <b>1988</b> , 85, 9738-42	67
1968	Role of domain II of <i>Pseudomonas</i> exotoxin in the secretion of proteins into the periplasm and medium by <i>Escherichia coli</i> . <b>1988</b> , 85, 2939-43	61
1967	His-426 of the <i>Pseudomonas aeruginosa</i> exotoxin A is required for ADP-ribosylation of elongation factor II. <b>1988</b> , 85, 8880-4	36
1966	Functional role of cysteine-146 in <i>Escherichia coli</i> thymidylate synthase. <b>1988</b> , 85, 1472-6	45
1965	Association of the <i>Drosophila melanogaster</i> engrailed protein with specific soluble nuclear protein complexes.. <b>1988</b> , 7, 4291-4297	8
1964	Isolation and sequence-specific DNA binding of the Antennapedia homeodomain.. <b>1988</b> , 7, 4299-4304	143
1963	Expression vectors employing lambda-, trp-, lac-, and lpp-derived promoters. <b>1988</b> , 10, 205-25	17
1962	Molecular cloning and expression of the <i>Bacillus anthracis</i> edema factor toxin gene: a calmodulin-dependent adenylate cyclase. <b>1988</b> , 170, 2263-6	57
1961	TnpA product encoded by the transposable element En-1 of <i>Zea mays</i> is a DNA binding protein.. <b>1988</b> , 7, 4045-4053	95
1960	Isolation of two tissue-specific <i>Drosophila</i> paired box genes, Pox meso and Pox neuro.. <b>1989</b> , 8, 3447-3457	120
1959	Control of the ccd operon in plasmid F. <b>1989</b> , 171, 2353-60	54
1958	Vaccine Production by Recombinant DNA Technology. <b>1989</b> , 39-62	
1957	Structure and developmental expression of the chicken CDC2 kinase.. <b>1989</b> , 8, 3071-3078	56

1956	Two Haemophilus influenzae Rd genes that complement the recA-like mutation rec-1. <b>1989</b> , 171, 2451-7	21
1955	Expression of cloned rpoB gene of Escherichia coli: a genetic system for the isolation of dominant negative mutations and overproduction of defective beta subunit of RNA polymerase. <b>1989</b> , 171, 3002-7	9
1954	Fimbriation genes of Salmonella enteritidis. <b>1989</b> , 171, 4648-54	14
1953	Isolation and analysis of the C-terminal signal directing export of Escherichia coli hemolysin protein across both bacterial membranes.. <b>1989</b> , 8, 595-605	181
1952	Escherichia coli 16S rRNA 3'-end formation requires a distal transfer RNA sequence at a proper distance.. <b>1989</b> , 8, 3159-3166	12
1951	Cloning, purification, and properties of Candida albicans thymidylate synthase. <b>1989</b> , 171, 1372-8	30
1950	The exoA gene of Streptococcus pneumoniae and its product, a DNA exonuclease with apurinic endonuclease activity. <b>1989</b> , 171, 2278-86	53
1949	Identification of a gene required for maturation of an extracellular lactococcal serine proteinase. <b>1989</b> , 171, 2789-94	116
1948	Overproduced bacteriophage T4 gene 33 protein binds RNA polymerase. <b>1989</b> , 171, 3579-82	34
1947	Nucleotide sequences of the fecBCDE genes and locations of the proteins suggest a periplasmic-binding-protein-dependent transport mechanism for iron(III) dicitrate in Escherichia coli. <b>1989</b> , 171, 2626-33	157
1946	Translational coupling of the two proximal genes in the S10 ribosomal protein operon of Escherichia coli. <b>1989</b> , 171, 2639-45	26
1945	Developmental expression of the protein product of Vg1, a localized maternal mRNA in the frog Xenopus laevis.. <b>1989</b> , 8, 1057-1065	74
1944	Mutations in the glucocorticoid receptor zinc finger region that distinguish interdigitated DNA binding and transcriptional enhancement activities. <b>1989</b> , 3, 1590-601	190
1943	Purification and characterization of RepA, a protein involved in the copy number control of plasmid pLS1. <b>1989</b> , 17, 2405-20	47
1942	Tilapia growth hormone: molecular cloning of cDNA and expression in Escherichia coli. <b>1989</b> , 8, 271-8	59
1941	Comparison of transfer RNA and ribosomal RNA intron splicing in the extreme thermophile and archaebacterium Desulfurococcus mobilis. <b>1989</b> , 35, 210-4	41
1940	Higher order chromosome structure is affected by cold-sensitive mutations in a Schizosaccharomyces pombe gene crm1+ which encodes a 115-kD protein preferentially localized in the nucleus and its periphery. <b>1989</b> , 108, 1195-207	213
1939	Tilapia prolactin: molecular cloning of two cDNAs and expression in Escherichia coli. <b>1989</b> , 8, 261-70	66

1938	Essential roles of the RNA polymerase I largest subunit and DNA topoisomerases in the formation of fission yeast nucleolus. <b>1989</b> , 108, 243-53	77
1937	Unexpected effects on bacterial phenotype induced by expression of a tumour-amplified human sequence. <b>1989</b> , 17, 6893-901	2
1936	Influence of the sequence-dependent flexure of DNA on transcription in <i>E. coli</i> . <b>1989</b> , 17, 9447-68	75
1935	The characterization of the EBV alkaline deoxyribonuclease cloned and expressed in <i>E. coli</i> . <b>1989</b> , 17, 7609-22	23
1934	In vitro transcription enhancement by purified derivatives of the glucocorticoid receptor. <b>1989</b> , 245, 298-301	104
1933	BAS1 has a Myb motif and activates HIS4 transcription only in combination with BAS2. <b>1989</b> , 246, 931-5	185
1932	Excess information at bacteriophage T7 genomic promoters detected by a random cloning technique. <b>1989</b> , 17, 659-74	61
1931	Specific recognition nucleotides and their DNA context determine the affinity of E2 protein for 17 binding sites in the BPV-1 genome. <b>1989</b> , 3, 510-26	171
1930	Cognate DNA binding specificity retained after leucine zipper exchange between GCN4 and C/EBP. <b>1989</b> , 246, 922-6	224
1929	Application of a recombinant <i>Echinococcus multilocularis</i> antigen in an enzyme-linked immunosorbent assay for immunodiagnosis of human alveolar echinococcosis. <b>1989</b> , 36, 151-9	48
1928	Activation of type I cyclic AMP-dependent protein kinases is impaired by a point mutation in cyclic AMP binding sites. <b>1989</b> , 172, 263-71	5
1927	Molecular cloning, sequencing and expression in <i>Escherichia coli</i> of the 25-kDa growth-related protein of Ehrlich ascites tumor and its homology to mammalian stress proteins. <b>1989</b> , 179, 209-13	95
1926	Analysis of the biotin-binding site on acetyl-CoA carboxylase from rat. <b>1989</b> , 182, 239-45	12
1925	Genomically linked cellular protein databases derived from two-dimensional polyacrylamide gel electrophoresis. <b>1989</b> , 10, 116-22	38
1924	A small-angle scattering study of bacteriophage T7 using synchrotron radiation. <b>1989</b> , 282, 486-489	2
1923	Nucleotide sequence of the gene encoding the 33 kDa water oxidizing polypeptide in <i>Anabaena</i> sp. strain PCC 7120 and its expression in <i>Escherichia coli</i> . <b>1989</b> , 13, 427-39	34
1922	The F plasmid ccd autorepressor is a complex of CcdA and CcdB proteins. <b>1989</b> , 219, 26-32	62
1921	Functional domains of bacteriophage Mu transposase: properties of C-terminal deletions. <b>1989</b> , 3, 1159-71	25



1920	A recombinant immunotoxin consisting of two antibody variable domains fused to <i>Pseudomonas</i> exotoxin. <b>1989</b> , 339, 394-7	397
1919	Sequence-specific DNA-binding activities of the gap proteins encoded by hunchback and Krüppel in <i>Drosophila</i> . <b>1989</b> , 341, 331-5	246
1918	Krüppel requirement for knirps enhancement reflects overlapping gap gene activities in the <i>Drosophila</i> embryo. <b>1989</b> , 341, 337-40	126
1917	The caudal gene product is a direct activator of fushi tarazu transcription during <i>Drosophila</i> embryogenesis. <b>1989</b> , 341, 340-3	124
1916	Crystallization of the DpnM methylase from the DpnII restriction system of <i>Streptococcus pneumoniae</i> . <i>Journal of Molecular Biology</i> , <b>1989</b> , 207, 841-2	6.5 5
1915	Structure and function of the nun gene and the immunity region of the lambdaoid phage HK022. <i>Journal of Molecular Biology</i> , <b>1989</b> , 207, 675-93	6.5 68
1914	The fission yeast cdc2/cdc13/suc1 protein kinase: regulation of catalytic activity and nuclear localization. <b>1989</b> , 58, 485-97	397
1913	Inducible high expression of the <i>Escherichia coli</i> infC gene subcloned behind a bacteriophage T7 promoter. <b>1989</b> , 80, 369-74	6
1912	Structurally similar but functionally distinct factors, IRF-1 and IRF-2, bind to the same regulatory elements of IFN and IFN-inducible genes. <b>1989</b> , 58, 729-39	867
1911	Expression vector with two-step control by the cl-pR-Q-p <sub>IR</sub> -qut-t <sub>IR</sub> module of coliphage lambda. <b>1989</b> , 78, 85-91	3
1910	Efficient synthesis of mouse thymidylate synthase in <i>Escherichia coli</i> . <b>1989</b> , 84, 487-91	10
1909	Cloning and hyperexpression of a gene encoding the heat-stable toxin of <i>Escherichia coli</i> . <b>1989</b> , 81, 219-26	22
1908	The structure of the Antennapedia homeodomain determined by NMR spectroscopy in solution: comparison with prokaryotic repressors. <b>1989</b> , 59, 573-80	477
1907	Biochemical analysis of transcriptional activation by Jun: differential activity of c- and v-Jun. <b>1989</b> , 59, 709-17	210
1906	Early and late periodic patterns of even skipped expression are controlled by distinct regulatory elements that respond to different spatial cues. <b>1989</b> , 57, 413-22	240
1905	Synthesis of human adenovirus type 2 fiber protein in <i>Escherichia coli</i> cells. <b>1989</b> , 81, 267-74	13
1904	Expression and function of <i>Drosophila</i> cyclin A during embryonic cell cycle progression. <b>1989</b> , 56, 957-68	388
1903	A single amino acid can determine the DNA binding specificity of homeodomain proteins. <b>1989</b> , 59, 553-62	499

1902	Regulation of p34cdc2 protein kinase during mitosis. <b>1989</b> , 58, 361-72		543
1901	Engineering of monomeric bacterial luciferases by fusion of luxA and luxB genes in <i>Vibrio harveyi</i> . <b>1989</b> , 81, 335-47		43
1900	The de novo design of protein structures. <b>1989</b> , 14, 304-9		170
1899	Mutants of bacteriophage T7 that escape F restriction. <i>Journal of Molecular Biology</i> , <b>1989</b> , 207, 563-74	6.5	27
1898	Structure and stability of mRNA synthesized by vaccinia virus-encoded bacteriophage T7 RNA polymerase in mammalian cells. Importance of the 5' untranslated leader. <i>Journal of Molecular Biology</i> , <b>1989</b> , 206, 333-48	6.5	123
1897	Protein L18 binds primarily at the junctions of helix II and internal loops A and B in <i>Escherichia coli</i> 5 S RNA. Implications for 5 S RNA structure. <i>Journal of Molecular Biology</i> , <b>1989</b> , 206, 651-68	6.5	30
1896	Lectin-like proteins accumulate as fragmentation products in bean seed protein bodies. <b>1989</b> , 250, 157-160		15
1895	Expression in <i>Escherichia coli</i> of catalytically active phenylalanine ammonia-lyase from parsley. <b>1989</b> , 258, 335-8		49
1894	Biochemical properties of the YPT-related rab1B protein. Comparison with rab1A. <b>1989</b> , 256, 79-84		21
1893	Expression of engrailed proteins in arthropods, annelids, and chordates. <b>1989</b> , 58, 955-68		937
1892	Expression of rat hepatic glucokinase in <i>Escherichia coli</i> . <b>1989</b> , 165, 817-25		11
1891	Neural cadherin: role in selective cell-cell adhesion. <b>1989</b> , 245, 631-5		233
1890	The DNA binding domain of the rat liver nuclear protein C/EBP is bipartite. <b>1989</b> , 243, 1681-8		623
1889	The bicoid protein is a positive regulator of hunchback transcription in the early <i>Drosophila</i> embryo. <b>1989</b> , 337, 138-43		777
1888	Regulation of coliphage T3 and T7 RNA polymerases by the lac repressor-operator system. <b>1989</b> , 84, 209-19		49
1887	A conserved 3'N→5'N exonuclease active site in prokaryotic and eukaryotic DNA polymerases. <b>1989</b> , 59, 219-28		414
1886	Human immunodeficiency virus 1 tat protein binds trans-activation-responsive region (TAR) RNA in vitro. <b>1989</b> , 86, 6925-9		443
1885	DpnA, a methylase for single-strand DNA in the Dpn II restriction system, and its biological function. <b>1989</b> , 86, 9223-7		58

1884	PRP4: a protein of the yeast U4/U6 small nuclear ribonucleoprotein particle. <b>1989</b> , 9, 3710-9	141
1883	A lysine substitution in the ATP-binding site of eucaryotic initiation factor 4A abrogates nucleotide-binding activity. <b>1989</b> , 9, 4061-3	75
1882	Properties of the DNA-binding domain of the simian virus 40 large T antigen. <b>1989</b> , 9, 5525-36	21
1881	Lymphocyte-specific Ca <sup>2+</sup> -binding protein LSP1 is associated with the cytoplasmic face of the plasma membrane. <b>1989</b> , 9, 3043-8	36
1880	Phorbol ester binding to protein kinase C requires a cysteine-rich zinc-finger-like sequence. <b>1989</b> , 86, 4868-71	399
1879	Cooperative interaction of Agrobacterium VirE2 protein with single-stranded DNA: implications for the T-DNA transfer process. <b>1989</b> , 86, 1193-7	194
1878	Vaccinia DNA topoisomerase I promotes illegitimate recombination in Escherichia coli. <b>1989</b> , 86, 3489-93	70
1877	Cadmium resistance from Staphylococcus aureus plasmid pI258 cadA gene results from a cadmium-efflux ATPase. <b>1989</b> , 86, 3544-8	303
1876	The yeast STE12 protein binds to the DNA sequence mediating pheromone induction. <b>1989</b> , 86, 5703-7	223
1875	Delineation of three functional domains of the transcriptional activator encoded by the c-myc protooncogene. <b>1989</b> , 86, 5758-62	313
1874	Expression of rat liver 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase and its kinase domain in Escherichia coli. <b>1989</b> , 86, 7316-20	27
1873	Heterologous expression of a wheat high molecular weight glutenin gene in Escherichia coli. <b>1989</b> , 86, 7756-60	35
1872	Cationic liposome-mediated RNA transfection. <b>1989</b> , 86, 6077-81	526
1871	Production of simian virus 40 large tumor antigen in bacteria: altered DNA-binding specificity and dna-replication activity of underphosphorylated large tumor antigen. <b>1989</b> , 86, 6479-83	26
1870	"Activated"-RecA protein affinity chromatography of LexA repressor and other SOS-regulated proteins. <b>1989</b> , 86, 8363-7	38
1869	Mapping the active-site tyrosine of vaccinia virus DNA topoisomerase I. <b>1989</b> , 86, 9793-7	68
1868	Structure and function of the Zn(II) binding site within the DNA-binding domain of the GAL4 transcription factor. <b>1989</b> , 86, 3145-9	81
1867	Bacterial luciferase alpha beta fusion protein is fully active as a monomer and highly sensitive in vivo to elevated temperature. <b>1989</b> , 86, 6528-32	74

1866	The A- and B-type cyclin associated cdc2 kinases in <i>Xenopus</i> turn on and off at different times in the cell cycle.. <b>1990</b> , 9, 2865-2875	236
1865	Characterization of I-Ppo, an intron-encoded endonuclease that mediates homing of a group I intron in the ribosomal DNA of <i>Physarum polycephalum</i> . <b>1990</b> , 10, 3386-96	102
1864	<i>Pseudomonas</i> exotoxin contains a specific sequence at the carboxyl terminus that is required for cytotoxicity. <b>1990</b> , 87, 308-12	250
1863	Characterization of the restriction site of a prokaryotic intron-encoded endonuclease. <b>1990</b> , 87, 3574-8	29
1862	RAP2B: a RAS-related GTP-binding protein from platelets. <b>1990</b> , 87, 6527-31	70
1861	Molecular cloning of <i>Xenopus</i> fibrillarin, a conserved U3 small nuclear ribonucleoprotein recognized by antisera from humans with autoimmune disease. <b>1990</b> , 10, 430-4	125
1860	Association of the v-crk oncogene product with phosphotyrosine-containing proteins and protein kinase activity. <b>1990</b> , 87, 2638-42	177
1859	Induction of transformation and DNA synthesis after microinjection of raf proteins. <b>1990</b> , 10, 3828-33	42
1858	Expression of a cloned streptavidin gene in <i>Escherichia coli</i> . <b>1990</b> , 87, 142-6	137
1857	Cell-specific toxicity of a chimeric protein composed of interleukin-6 and <i>Pseudomonas</i> exotoxin (IL6-PE40) on tumor cells. <b>1990</b> , 10, 2443-7	24
1856	Human immunodeficiency virus integration protein expressed in <i>Escherichia coli</i> possesses selective DNA cleaving activity. <b>1990</b> , 87, 5119-23	326
1855	Stability and activity of human immunodeficiency virus protease: comparison of the natural dimer with a homologous, single-chain tethered dimer. <b>1990</b> , 87, 9660-4	120
1854	Engrailed, a homeodomain protein, can repress in vitro transcription by competition with the TATA box-binding protein transcription factor IID. <b>1990</b> , 87, 2289-93	81
1853	Nucleotide sequence and DNA recognition elements of alc, the structural gene which encodes allantoinase, a purine catabolic enzyme of <i>Neurospora crassa</i> . <b>1990</b> , 29, 8779-87	27
1852	Evidence of changes in protease sensitivity and subunit exchange rate on DNA binding by C/EBP. <b>1990</b> , 249, 771-4	122
1851	A tale of two enzymes, deoxycytidylate deaminase and thymidylate synthase. <b>1990</b> , 39, 49-80	24
1850	Molecular comparison of a nonhemolytic and a hemolytic phospholipase C from <i>Pseudomonas aeruginosa</i> . <b>1990</b> , 172, 5915-23	135
1849	Nucleotide sequence and expression in <i>Escherichia coli</i> of the <i>Lactococcus lactis</i> citrate permease gene. <b>1990</b> , 172, 5789-94	63

1848	Overproduction, purification, and characterization of <i>Bacillus subtilis</i> RNA polymerase sigma A factor. <b>1990</b> , 172, 3257-63	77
1847	Molecular Identification of the 62 kd Form of Glutamic Acid Decarboxylase from the Mouse. <b>1990</b> , 2, 190-202	88
1846	Five genes at the 3' end of the <i>Klebsiella pneumoniae</i> pulC operon are required for pullulanase secretion. <b>1990</b> , 4, 365-79	78
1845	The regulatory role of the IS1-encoded InSA protein in transposition. <b>1990</b> , 4, 471-7	45
1844	Global systems approach to bacterial physiology: protein responders to stress and starvation. <b>1990</b> , 7, 121-127	2
1843	Cloning, mapping and gene product identification of rhaT from <i>Escherichia coli</i> K12. <b>1990</b> , 72, 103-107	11
1842	Global systems approach to bacterial physiology: protein responders to stress and starvation. <b>1990</b> , 74, 121-127	24
1841	Primary structure and functional expression from complementary DNA of a human interleukin-1 receptor antagonist. <b>1990</b> , 343, 341-6	972
1840	Binding of the <i>Drosophila</i> sex-lethal gene product to the alternative splice site of transformer primary transcript. <b>1990</b> , 344, 461-3	293
1839	Folding transition in the DNA-binding domain of GCN4 on specific binding to DNA. <b>1990</b> , 347, 575-8	382
1838	Solution structure of the DNA-binding domain of the oestrogen receptor. <b>1990</b> , 348, 458-61	416
1837	ATP sulphurylase activity of the nodP and nodQ gene products of <i>Rhizobium meliloti</i> . <b>1990</b> , 348, 644-7	145
1836	DNA sequence of a citrate carrier of <i>Klebsiella pneumoniae</i> . <b>1990</b> , 189, 401-7	31
1835	Identification and DNA sequence of the Shope fibroma virus DNA topoisomerase gene. <b>1990</b> , 176, 439-47	39
1834	Vaccinia virus gene D7R encodes a 20,000-dalton subunit of the viral DNA-dependent RNA polymerase. <b>1990</b> , 178, 603-5	20
1833	Transcriptional activation of the human immunodeficiency virus type 1 long terminal repeat by hepatitis B virus X-protein requires de novo protein synthesis. <b>1990</b> , 177, 406-10	25
1832	Expression, nucleotide sequence and mutational analysis of two open reading frames in the nif gene region of <i>Anabaena</i> sp. strain PCC7120. <b>1990</b> , 221, 227-34	60
1831	The virB operon of <i>Agrobacterium tumefaciens</i> pTiC58 encodes 11 open reading frames. <b>1990</b> , 221, 256-66	109

1830	Novel monomeric luciferase enzymes as tools to study plant gene regulation in vivo. <b>1990</b> , 5, 79-87	8
1829	Gene-protein database of Escherichia coli K-12: edition 3. <b>1990</b> , 11, 1131-66	106
1828	Circulating antibodies against c-myc oncogene product in sera of colorectal cancer patients. <b>1990</b> , 46, 35-8	70
1827	Chemical exchange spectroscopy based on carbon-13 NMR. Applications to enzymology and protein folding. <b>1990</b> , 87, 523-535	2
1826	The lethal lambda S gene encodes its own inhibitor.. <b>1990</b> , 9, 981-989	74
1825	Purification of the Escherichia coli purine regulon repressor and identification of corepressors. <b>1990</b> , 172, 5637-42	67
1824	A new Escherichia coli heat shock gene, htrC, whose product is essential for viability only at high temperatures. <b>1990</b> , 172, 3417-26	52
1823	Mutational analysis of ligand binding activity of beta 2 adrenergic receptor expressed in Escherichia coli.. <b>1990</b> , 9, 2679-2684	29
1822	Drosophila cdc2 homologs: a functional homolog is coexpressed with a cognate variant.. <b>1990</b> , 9, 3573-3581	119
1821	Phosphoribulokinase activity and regulation of CO2 fixation critical for photosynthetic growth of Rhodospirillum rubrum. <b>1990</b> , 172, 1749-61	61
1820	soxR, a locus governing a superoxide response regulon in Escherichia coli K-12. <b>1990</b> , 172, 4197-205	301
1819	The Drosophila membrane receptor Toll can function to promote cellular adhesion.. <b>1990</b> , 9, 4299-4306	82
1818	beta-Galactosidase containing a human immunodeficiency virus protease cleavage site is cleaved and inactivated by human immunodeficiency virus protease. <b>1990</b> , 87, 10023-7	33
1817	Inhibition of lymphocyte mediated cytotoxicity by perforin antisense oligonucleotides.. <b>1990</b> , 9, 3815-3819	51
1816	The segment-specific gene Krox-20 encodes a transcription factor with binding sites in the promoter region of the Hox-1.4 gene.. <b>1990</b> , 9, 1209-1218	129
1815	Cloning and characterization of RNA polymerase core subunits of Chlamydia trachomatis by using the polymerase chain reaction. <b>1990</b> , 172, 5732-41	25
1814	Primary sequence of the Escherichia coli fadBA operon, encoding the fatty acid-oxidizing multienzyme complex, indicates a high degree of homology to eucaryotic enzymes. <b>1990</b> , 172, 6459-68	78
1813	Independent genes for two threonyl-tRNA synthetases in Bacillus subtilis. <b>1990</b> , 172, 4593-602	45

1812	Thyroid nuclear factor 1 (TTF-1) contains a homeodomain and displays a novel DNA binding specificity.. <b>1990</b> , 9, 3631-3639	393
1811	p40MO15, a cdc2-related protein kinase involved in negative regulation of meiotic maturation of <i>Xenopus</i> oocytes.. <b>1990</b> , 9, 3233-3240	60
1810	A neuropeptide precursor in cerebellum: proenkephalin exists in subpopulations of both neurons and astrocytes.. <b>1990</b> , 9, 1787-1795	84
1809	The p53 tumour suppressor protein is phosphorylated at serine 389 by casein kinase II.. <b>1990</b> , 9, 3253-3260	195
1808	The interaction with DNA of wild-type and mutant fushi tarazu homeodomains.. <b>1990</b> , 9, 3967-3974	92
1807	Identification of a region in segment 1 of gelsolin critical for actin binding.. <b>1990</b> , 9, 4103-4109	152
1806	Multiple domains of U1 snRNA, including U1 specific protein binding sites, are required for splicing.. <b>1990</b> , 9, 1237-1244	32
1805	Differential translation of cell division proteins. <b>1990</b> , 172, 6106-11	27
1804	Specificity determinants in the attachment sites of bacteriophages HK022 and lambda. <b>1990</b> , 172, 6540-50	39
1803	Roles of CfxA, CfxB, and external electron acceptors in regulation of ribulose 1,5-bisphosphate carboxylase/oxygenase expression in <i>Rhodobacter sphaeroides</i> . <b>1990</b> , 172, 1736-48	72
1802	The kil-kor regulon of broad-host-range plasmid RK2: nucleotide sequence, polypeptide product, and expression of regulatory gene korC. <b>1990</b> , 172, 3040-50	25
1801	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. <b>1990</b> , 172, 3849-58	64
1800	DNA sequence of folate biosynthesis gene sulD, encoding hydroxymethylidihydropterin pyrophosphokinase in <i>Streptococcus pneumoniae</i> , and characterization of the enzyme. <b>1990</b> , 172, 4766-74	23
1799	The A- and B-type cyclins of <i>Drosophila</i> are accumulated and destroyed in temporally distinct events that define separable phases of the G2-M transition.. <b>1990</b> , 9, 2563-2572	184
1798	Molecular analysis of the replication region of the conjugative <i>Streptococcus agalactiae</i> plasmid pIP501 in <i>Bacillus subtilis</i> . Comparison with plasmids pAM beta 1 and pSM19035. <b>1990</b> , 18, 4783-90	93
1797	Molecular characterization of recombinant human acidic fibroblast growth factor produced in <i>E. coli</i> : comparative studies with human basic fibroblast growth factor. <b>1990</b> , 4, 869-79	53
1796	Cloning and sequencing of bacteriophage T4 genes between map positions 128.3-130.3. <b>1990</b> , 18, 3635	7
1795	Fragments of the HIV-1 Tat protein specifically bind TAR RNA. <b>1990</b> , 249, 1281-5	451

1794	Phenotypic selection and characterization of mutant alleles of a eukaryotic DNA topoisomerase I. <b>1990</b> , 4, 515-24	33
1793	Isolation of mutants of human immunodeficiency virus protease based on the toxicity of the enzyme in <i>Escherichia coli</i> . <b>1990</b> , 87, 5573-7	49
1792	Isolation and characterization of a second RNase H (RNase HII) of <i>Escherichia coli</i> K-12 encoded by the <i>rnhB</i> gene. <b>1990</b> , 87, 8587-91	133
1791	The <i>Drosophila</i> segmentation gene <i>runt</i> encodes a novel nuclear regulatory protein that is also expressed in the developing nervous system. <b>1990</b> , 4, 1701-13	253
1790	Vectors with multiple insertion sites for expression of cloned genes by T7 RNA polymerase: expression of a peptide from EBV thymidine kinase (TK). <b>1990</b> , 18, 1082	6
1789	Transcription of single-copy hybrid <i>lacZ</i> genes by T7 RNA polymerase in <i>Escherichia coli</i> : mRNA synthesis and degradation can be uncoupled from translation. <b>1990</b> , 18, 5787-92	46
1788	A DNA-binding protein containing two widely separated zinc finger motifs that recognize the same DNA sequence. <b>1990</b> , 4, 29-42	229
1787	Expression of human 21-hydroxylase (P450c21) in bacterial and mammalian cells: a system to characterize normal and mutant enzymes. <b>1990</b> , 4, 893-8	37
1786	Cloning and sequence of two different cDNAs encoding 1-aminocyclopropane-1-carboxylate synthase in tomato. <b>1990</b> , 87, 4859-63	189
1785	Mutations affecting the stability of the fushi tarazu protein of <i>Drosophila</i> . <b>1990</b> , 4, 1936-50	77
1784	The <i>Drosophila</i> Fos-related AP-1 protein is a developmentally regulated transcription factor. <b>1990</b> , 4, 822-34	102
1783	Casein kinase II enhances the DNA binding activity of serum response factor. <b>1990</b> , 4, 955-67	172
1782	A rapid method of cloning functional variable-region antibody genes in <i>Escherichia coli</i> as single-chain immunotoxins. <b>1990</b> , 87, 1066-70	123
1781	Three component system consisting of host bacteria, phage and plasmid, for efficient gene expression controlled by the SP6 promoter. <b>1990</b> , 18, 4295	1
1780	Elucidating the early stages of keratin filament assembly. <b>1990</b> , 111, 153-69	220
1779	cDNA clone encoding <i>Drosophila</i> transcription factor TFIID. <b>1990</b> , 87, 9148-52	69
1778	Cloning of a transcriptionally active human TATA binding factor. <b>1990</b> , 248, 1646-50	330
1777	Specific expression of a tyrosine kinase gene, <i>blk</i> , in B lymphoid cells. <b>1990</b> , 247, 332-6	211



1776	Recovery of mitogenic activity of a growth factor mutant with a nuclear translocation sequence. <b>1990</b> , 249, 1567-70	350
1775	Identification of the origin of the growth hormone-binding protein in rat serum. <b>1990</b> , 4, 1799-805	103
1774	Base changes at position 792 of Escherichia coli 16S rRNA affect assembly of 70S ribosomes. <b>1990</b> , 87, 3700-4	28
1773	Reprogramming cell fate in the developing Drosophila retina: transformation of R7 cells by ectopic expression of rough. <b>1990</b> , 4, 728-39	68
1772	Analysis of the ftz upstream element: germ layer-specific enhancers are independently autoregulated. <b>1990</b> , 4, 1224-39	95
1771	nit-2, the major positive-acting nitrogen regulatory gene of Neurospora crassa, encodes a sequence-specific DNA-binding protein. <b>1990</b> , 87, 5331-5	219
1770	DNA binding properties of the purified Antennapedia homeodomain. <b>1990</b> , 87, 4093-7	200
1769	Cell division in higher plants: a cdc2 gene, its 34-kDa product, and histone H1 kinase activity in pea. <b>1990</b> , 87, 5397-401	139
1768	A trans-acting factor that binds to a GT-motif in a phytochrome gene promoter. <b>1990</b> , 250, 1397-9	108
1767	Expression using vectors with phage lambda regulatory sequences. <b>2001</b> , Chapter 16, Unit16.3	6
1766	Fimbrin is a homologue of the cytoplasmic phosphoprotein plastin and has domains homologous with calmodulin and actin gelation proteins. <b>1990</b> , 111, 1069-79	184
1765	Specific DNA binding of the two chicken Deformed family homeodomain proteins, Chox-1.4 and Chox-a. <b>1990</b> , 18, 1739-47	32
1764	Functional domains and upstream activation properties of cloned human TATA binding protein. <b>1990</b> , 248, 1625-30	473
1763	Binding of the bacteriophage T4 regA protein to mRNA targets: an initiator AUG is required. <b>1990</b> , 18, 7083-92	28
1762	Signal-mediated import of bacteriophage T7 RNA polymerase into the Saccharomyces cerevisiae nucleus and specific transcription of target genes. <b>1990</b> , 10, 353-60	64
1761	Molecular cloning, genetic characterization and DNA sequence analysis of the recM region of Bacillus subtilis. <b>1990</b> , 18, 6771-7	37
1760	Astrocytes and glioblastoma cells express novel octamer-DNA binding proteins distinct from the ubiquitous Oct-1 and B cell type Oct-2 proteins. <b>1990</b> , 18, 5495-503	148
1759	Azide-resistant mutants of Escherichia coli alter the SecA protein, an azide-sensitive component of the protein export machinery. <b>1990</b> , 87, 8227-31	293

1758	Expression and refolding of recombinant human fibroblast procathepsin D. <b>1990</b> , 9, 1-9	32
1757	Two-dimensional NMR studies of staphylococcal nuclease. 2. Sequence-specific assignments of carbon-13 and nitrogen-15 signals from the nuclease H124L-thymidine 3',5'-bisphosphate-Ca <sup>2+</sup> ternary complex. <b>1990</b> , 29, 102-13	47
1756	On the use of T7 RNA polymerase transcripts for physical investigation. <b>1990</b> , 18, 4139-42	12
1755	Identification of the tRNA anticodon recognition site of Escherichia coli methionyl-tRNA synthetase. <b>1990</b> , 29, 2220-5	89
1754	De novo design, expression, and characterization of Felix: a four-helix bundle protein of native-like sequence. <b>1990</b> , 249, 884-91	390
1753	Thermal unfolding studies of a leucine zipper domain and its specific DNA complex: implications for scissor grip recognition. <b>1990</b> , 29, 8020-4	82
1752	Expression in Escherichia coli and purification of human immunodeficiency virus type 1 capsid protein (p24). <b>1990</b> , 6, 1169-75	44
1751	Role of the zinc(II) ions in the structure of the three-finger DNA binding domain of the Sp1 transcription factor. <b>1990</b> , 29, 8627-31	54
1750	Site-directed mutagenesis of the YCDTDS amino acid motif of the phi 29 DNA polymerase. <b>1990</b> , 94, 45-51	27
1749	Cyclin is a component of maturation-promoting factor from Xenopus. <b>1990</b> , 60, 487-94	624
1748	Construction of Escherichia coli vectors for expression and mutagenesis: synthesis of human c-Myc protein that is initiated at a non-AUG codon in exon 1. <b>1990</b> , 90, 141-4	28
1747	Visinin: a novel calcium binding protein expressed in retinal cone cells. <b>1990</b> , 4, 469-76	198
1746	Recombinant RNA polymerase: inducible overexpression, purification and assembly of Escherichia coli rpo gene products. <b>1990</b> , 89, 7-12	72
1745	Expression of bluetongue virus serotype 17 NS1 protein from a cloned gene. <b>1990</b> , 18, 21-8	3
1744	Expression in Escherichia coli of two mutated genes encoding the cholera toxin B subunit. <b>1990</b> , 89, 47-52	38
1743	Binding site-dependent direct activation and repression of in vitro transcription by Drosophila homeodomain proteins. <b>1990</b> , 61, 475-84	79
1742	Expression of mammalian liver glycolytic/gluconeogenic enzymes in Escherichia coli: recovery of active enzyme is strain and temperature dependent. <b>1990</b> , 1, 169-76	27
1741	Phage lambda cDNA cloning vectors for subtractive hybridization, fusion-protein synthesis and Cre-loxP automatic plasmid subcloning. <b>1990</b> , 88, 25-36	109

1740	The roles of Drosophila cyclins A and B in mitotic control. <b>1990</b> , 61, 535-47		424
1739	Site-Specific Mutagenesis in the Active Site of Aspartate Aminotransferase. <b>1990</b> , 585, 526-528		3
1738	Expression using the T7 RNA polymerase/promoter system. <b>2001</b> , Chapter 16, Unit16.2		89
1737	DNA specificity of the Cre recombinase resides in the 25 kDa carboxyl domain of the protein. <i>Journal of Molecular Biology</i> , <b>1990</b> , 216, 873-82	6.5	53
1736	Strength and co-operativity of contributions of surface salt bridges to protein stability. <i>Journal of Molecular Biology</i> , <b>1990</b> , 216, 1031-44	6.5	382
1735	Identification of a region of the bacteriophage T3 and T7 RNA polymerases that determines promoter specificity. <i>Journal of Molecular Biology</i> , <b>1990</b> , 215, 31-9	6.5	35
1734	Initiation of replication of plasmid pLS1. The initiator protein RepB acts on two distant DNA regions. <i>Journal of Molecular Biology</i> , <b>1990</b> , 213, 247-62	6.5	60
1733	The P30 movement protein of tobacco mosaic virus is a single-strand nucleic acid binding protein. <b>1990</b> , 60, 637-47		416
1732	Use of T7 RNA polymerase to direct expression of cloned genes. <b>1990</b> , 185, 60-89		5604
1731	Overproduction of proteins in Escherichia coli: vectors, hosts, and strategies. <b>1990</b> , 182, 93-112		38
1730	Adenovirus serotype 3 fibre protein is expressed as a trimer in Escherichia coli. <i>Journal of Molecular Biology</i> , <b>1990</b> , 212, 247-52	6.5	13
1729	A proposed structure of bacteriophage T4 gene product 22--a major prohead scaffolding core protein. <b>1990</b> , 104, 24-31		19
1728	The POU-specific domain of Pit-1 is essential for sequence-specific, high affinity DNA binding and DNA-dependent Pit-1-Pit-1 interactions. <b>1990</b> , 61, 1021-33		383
1727	The identification of a second cell cycle control on the HO promoter in yeast: cell cycle regulation of SW15 nuclear entry. <b>1990</b> , 62, 631-47		199
1726	The hepatitis B virus-encoded transcriptional trans-activator hbx appears to be a novel protein serine/threonine kinase. <b>1990</b> , 63, 687-95		114
1725	The cyclin B2 component of MPF is a substrate for the c-mos(xe) proto-oncogene product. <b>1990</b> , 61, 825-31		111
1724	The fission yeast cut1+ gene regulates spindle pole body duplication and has homology to the budding yeast ESP1 gene. <b>1990</b> , 62, 913-25		137
1723	The integration host factor stimulates interaction of RNA polymerase with NIFA, the transcriptional activator for nitrogen fixation operons. <b>1990</b> , 63, 11-22		343

1722	Molecular interactions within the ecdysone regulatory hierarchy: DNA binding properties of the <i>Drosophila</i> ecdysone-inducible E74A protein. <b>1990</b> , 63, 47-61	192
1721	Molecular cloning and expression of a hexameric <i>Drosophila</i> heat shock factor subject to negative regulation. <b>1990</b> , 63, 1085-97	345
1720	Isolation and characterization of the <i>Drosophila</i> gene encoding the TATA box binding protein, TFIID. <b>1990</b> , 61, 1179-86	234
1719	Gamma-tubulin is a component of the spindle pole body that is essential for microtubule function in <i>Aspergillus nidulans</i> . <b>1990</b> , 61, 1289-301	508
1718	Gradients of Krüppel and knirps gene products direct pair-rule gene stripe patterning in the posterior region of the <i>Drosophila</i> embryo. <b>1990</b> , 61, 309-17	126
1717	Cloning and characterization of CAP, the <i>S. cerevisiae</i> gene encoding the 70 kd adenyl cyclase-associated protein. <b>1990</b> , 61, 319-27	227
1716	Estimating the contribution of engineered surface electrostatic interactions to protein stability by using double-mutant cycles. <b>1990</b> , 29, 9343-52	359
1715	The effects of N-cadherin misexpression on morphogenesis in <i>Xenopus</i> embryos. <b>1990</b> , 4, 493-506	222
1714	Human recombinant interleukin-1 beta isolated from <i>Escherichia coli</i> by simple osmotic shock. <b>1990</b> , 86, 291-5	23
1713	Hyperexpression of a <i>Bacillus thuringiensis</i> delta-endotoxin-encoding gene in <i>Escherichia coli</i> : properties of the product. <b>1990</b> , 93, 49-54	66
1712	Preparation and characterization of RNase P from <i>Escherichia coli</i> . <b>1990</b> , 181, 569-82	13
1711	Snap helix with knob and hole: essential repeats in <i>S. pombe</i> nuclear protein nuc2+. <b>1990</b> , 60, 319-28	285
1710	The effect of phage T7 lysozyme on the production of biologically active porcine somatotropin in <i>Escherichia coli</i> from a gene transcribed by T7 RNA polymerase. <b>1990</b> , 91, 275-9	12
1709	Overproduction and purification of the omega subunit of <i>Escherichia coli</i> RNA polymerase. <b>1990</b> , 1, 81-6	29
1708	The functional properties of full length and mutant chicken gizzard smooth muscle caldesmon expressed in <i>Escherichia coli</i> . <b>1990</b> , 270, 53-6	20
1707	Expression of catalytically active radish 3-hydroxy-3-methylglutaryl coenzyme A reductase in <i>Escherichia coli</i> . <b>1990</b> , 266, 67-71	30
1706	Site-directed mutagenesis of mouse thymidylate synthase: alteration of Arg44 to Val44 in a conserved loop guarding the active site has striking effects on catalysis and nucleotide binding. <b>1990</b> , 167, 869-75	8
1705	High-level expression in <i>Escherichia coli</i> of the catalytically active flavin domain of corn leaf NADH:nitrate reductase and its comparison to human NADH:cytochrome B5 reductase. <b>1990</b> , 168, 1285-91	50

1704	Fission yeast cdc25 is a cell-cycle regulated protein. <b>1990</b> , 167, 301-9	68
1703	Use of recombinant P-glycoprotein fragments to produce antibodies to the multidrug transporter. <b>1990</b> , 166, 180-6	48
1702	Expression of a catalytically active polypeptide of calmodulin-dependent protein kinase II alpha subunit in Escherichia coli. <b>1990</b> , 170, 705-12	15
1701	crumbs encodes an EGF-like protein expressed on apical membranes of Drosophila epithelial cells and required for organization of epithelia. <b>1990</b> , 61, 787-99	579
1700	Expression vectors for streptavidin-containing chimeric proteins. <b>1991</b> , 176, 571-7	37
1699	Construction and properties of a family of pACYC184-derived cloning vectors compatible with pBR322 and its derivatives. <b>1991</b> , 102, 75-8	439
1698	Activation of the L1 late H2B histone gene in blastula-stage sea urchin embryos by Antennapedia-class homeoprotein. <b>1991</b> , 34, 21-8	18
1697	Production of functional rat HMG1 protein in Escherichia coli. <b>1991</b> , 104, 271-5	43
1696	Functional analysis of a C-terminally altered TonB protein of Escherichia coli. <b>1991</b> , 105, 23-9	29
1695	Effect of ethanol and low-temperature culture on expression of soybean lipoxygenase L-1 in Escherichia coli. <b>1991</b> , 2, 221-7	66
1694	Cleavage pattern of the homing endonuclease encoded by the fifth intron in the chloroplast large subunit rRNA-encoding gene of Chlamydomonas eugametos. <b>1991</b> , 104, 241-5	76
1693	Genome mapping and protein coding region identification using bacteriophage Mu. <b>1991</b> , 99, 1-7	17
1692	The relation between translation and mRNA degradation in the lacZ gene. <b>1991</b> , 73, 1533-41	37
1691	Mono Q chromatography permits recycling of DNA template and purification of RNA transcripts after T7 RNA polymerase reaction. <b>1991</b> , 19, 2786	20
1690	Characterization of motifs which are critical for activity of the cyclic AMP-responsive transcription factor CREB. <b>1991</b> , 11, 1306-12	222
1689	High yield purification of active transcription factor IIIA expressed in E. coli. <b>1991</b> , 19, 6197-203	39
1688	A specific, UV-induced RNA-protein cross-link using 5-bromouridine-substituted RNA. <b>1991</b> , 30, 6290-5	59
1687	<sup>1</sup> H, <sup>15</sup> N, and <sup>13</sup> C NMR signal assignments of III <sub>Glc</sub> , a signal-transducing protein of Escherichia coli, using three-dimensional triple-resonance techniques. <b>1991</b> , 30, 10043-57	67

1686	Purification and characterization of a soluble catalytic fragment of the human transmembrane leukocyte antigen related (LAR) protein tyrosine phosphatase from an Escherichia coli expression system. <b>1991</b> , 30, 6210-6	70
1685	Stimulation of transcript elongation requires both the zinc finger and RNA polymerase II binding domains of human TFIIIS. <b>1991</b> , 30, 7842-51	91
1684	Purification and characterization of catalytically active precursor of rat liver mitochondrial aldehyde dehydrogenase expressed in Escherichia coli. <b>1991</b> , 289, 214-22	50
1683	Expression of rat liver fructose-1,6-bisphosphatase in Escherichia coli. <b>1991</b> , 176, 137-44	13
1682	T7 infection-dependent selective expression of cloned genes in P1-lysogenic Escherichia coli. <b>1991</b> , 179, 1200-4	3
1681	Convergence of Ets- and notch-related structural motifs in a heteromeric DNA binding complex. <b>1991</b> , 253, 762-8	467
1680	Sequence-specific binding of the N-terminal three-finger fragment of Xenopus transcription factor IIIA to the internal control region of a 5S RNA gene. <b>1991</b> , 281, 181-4	73
1679	Cloning, overexpression, purification and crystallisation of ribosomal protein L9 from Bacillus stearothermophilus. <b>1991</b> , 286, 204-8	5
1678	Molecular cloning, nucleotide sequence and expression of the tufB gene encoding elongation factor Tu from Thermus thermophilus HB8. <b>1991</b> , 288, 98-100	20
1677	Cloning, sequence and overexpression of NADH peroxidase from Streptococcus faecalis 10C1. Structural relationship with the flavoprotein disulfide reductases. <i>Journal of Molecular Biology</i> , <b>1991</b> , 221, 857-71	6.5 62
1676	Translation initiation of IS50R read-through transcripts. <i>Journal of Molecular Biology</i> , <b>1991</b> , 221, 65-80	6.5 23
1675	1-aminocyclopropane-1-carboxylate synthase in tomato is encoded by a multigene family whose transcription is induced during fruit and floral senescence. <i>Journal of Molecular Biology</i> , <b>1991</b> , 222, 937-61 <sup>5</sup>	283
1674	Production of the neuronal growth-associated protein GAP-43 in a bacterial expression system. <b>1991</b> , 565, 85-93	2
1673	Expression and characterization of recombinant human ciliary neurotrophic factor from Escherichia coli. <b>1991</b> , 1090, 70-80	25
1672	Differential expression in Escherichia coli of the alpha and beta forms of heparin-binding acidic fibroblast growth factor-1: potential role of RNA secondary structure. <b>1991</b> , 1090, 293-8	38
1671	Nucleotide sequence and characterization of the broad-host-range lactococcal plasmid pWVO1. <b>1991</b> , 26, 55-66	140
1670	Cloning and expression of genes for the Oxytricha telomere-binding protein: specific subunit interactions in the telomeric complex. <b>1991</b> , 67, 807-14	148
1669	Cloning, expression, and transcriptional properties of the human enhancer factor TEF-1. <b>1991</b> , 65, 551-68	380

1668	Sex-specific splicing and polyadenylation of dsx pre-mRNA requires a sequence that binds specifically to tra-2 protein in vitro. <b>1991</b> , 65, 579-86	239
1667	The cyclophilin homolog ninaA is a tissue-specific integral membrane protein required for the proper synthesis of a subset of Drosophila rhodopsins. <b>1991</b> , 65, 219-27	250
1666	Kinetic and structural analysis of a cleaved donor intermediate and a strand transfer intermediate in Tn10 transposition. <b>1991</b> , 64, 171-9	81
1665	RXR beta: a coregulator that enhances binding of retinoic acid, thyroid hormone, and vitamin D receptors to their cognate response elements. <b>1991</b> , 67, 1251-66	1156
1664	Barnase toxin: a new chimeric toxin composed of pseudomonas exotoxin A and barnase. <b>1991</b> , 64, 1017-23	56
1663	Requirement for phosphorylation and localization of the Bicaudal-D protein in Drosophila oocyte differentiation. <b>1991</b> , 67, 917-26	206
1662	Gamma-tubulin is present in Drosophila melanogaster and Homo sapiens and is associated with the centrosome. <b>1991</b> , 65, 817-23	389
1661	The role of CDC28 and cyclins during mitosis in the budding yeast <i>S. cerevisiae</i> . <b>1991</b> , 65, 145-61	449
1660	Bipartite functional map of the <i>E. coli</i> RNA polymerase alpha subunit: involvement of the C-terminal region in transcription activation by cAMP-CRP. <b>1991</b> , 65, 1015-22	313
1659	The phosphorylated form of the enhancer-binding protein NTRC has an ATPase activity that is essential for activation of transcription. <b>1991</b> , 67, 155-67	306
1658	The dorsal morphogen is a sequence-specific DNA-binding protein that interacts with a long-range repression element in Drosophila. <b>1991</b> , 64, 439-46	222
1657	An inhibitory domain of E12 transcription factor prevents DNA binding in E12 homodimers but not in E12 heterodimers. <b>1991</b> , 64, 459-70	399
1656	Genetic engineering and overexpression of ribosomal L12 protein genes from three different archaeobacteria in <i>E. coli</i> . <b>1991</b> , 73, 647-55	2
1655	Two genes encode distinct glutamate decarboxylases. <b>1991</b> , 7, 91-100	1063
1654	Biosynthesis of the <i>Escherichia coli</i> siderophore enterobactin: sequence of the entF gene, expression and purification of EntF, and analysis of covalent phosphopantetheine. <b>1991</b> , 30, 2916-27	144
1653	DNA-dependent RNA Polymerases. <b>2001</b> , Chapter 3, Unit3.8	
1652	Expression of a human monoclonal anti-HIV-1 antibody in CHO cells. <b>1991</b> , 646, 212-9	4
1651	Optimization of Continuous Two-Stage Fermentations of Recombinant Bacteria. <b>1991</b> , 646, 273-283	2

1650	Use of bacteriophage T7 lysozyme to improve an inducible T7 expression system. <i>Journal of Molecular Biology</i> , <b>1991</b> , 219, 37-44	6.5	695
1649	Controlling basal expression in an inducible T7 expression system by blocking the target T7 promoter with lac repressor. <i>Journal of Molecular Biology</i> , <b>1991</b> , 219, 45-59	6.5	366
1648	Creation of a T7 autogene. Cloning and expression of the gene for bacteriophage T7 RNA polymerase under control of its cognate promoter. <i>Journal of Molecular Biology</i> , <b>1991</b> , 219, 61-8	6.5	79
1647	Effect of temperature on the expression of wild-type and thermostable mutants of kanamycin nucleotidyltransferase in <i>Escherichia coli</i> . <b>1991</b> , 2, 43-50		19
1646	Construction of expression systems for <i>Escherichia coli</i> asparaginase II and two-step purification of the recombinant enzyme from periplasmic extracts. <b>1991</b> , 2, 144-50		30
1645	pEXPRESS: a family of expression vectors containing a single transcription unit active in prokaryotes, eukaryotes and in vitro. <b>1991</b> , 105, 9-15		43
1644	Sequence analysis of the <i>Pseudomonas</i> sp. strain P51 tcb gene cluster, which encodes metabolism of chlorinated catechols: evidence for specialization of catechol 1,2-dioxygenases for chlorinated substrates. <b>1991</b> , 173, 2425-34		153
1643	Substitution of active-site His-223 in <i>Pseudomonas aeruginosa</i> elastase and expression of the mutated lasB alleles in <i>Escherichia coli</i> show evidence for autoproteolytic processing of proelastase. <b>1991</b> , 173, 7781-9		60
1642	Temperature-sensitive mutations in the bacteriophage Mu c repressor locate a 63-amino-acid DNA-binding domain. <b>1991</b> , 173, 6568-77		58
1641	Genetic analysis, nucleotide sequence, and products of two <i>Pseudomonas denitrificans</i> cob genes encoding nicotinate-nucleotide: dimethylbenzimidazole phosphoribosyltransferase and cobalamin (5Mphosphate) synthase. <b>1991</b> , 173, 6066-73		55
1640	Role of uracil-DNA glycosylase in mutation avoidance by <i>Streptococcus pneumoniae</i> . <b>1991</b> , 173, 283-90		22
1639	Identification and initial topological analysis of the <i>Rickettsia prowazekii</i> ATP/ADP translocase. <b>1991</b> , 173, 3389-96		28
1638	Lactococcal proteinase maturation protein PrtM is a lipoprotein. <b>1991</b> , 173, 4517-25		59
1637	Sequence and transcriptional regulation of com101A, a locus required for genetic transformation in <i>Haemophilus influenzae</i> . <b>1991</b> , 173, 4683-91		36
1636	Altered phosphorylation of <i>Bacillus subtilis</i> DegU caused by single amino acid changes in DegS. <b>1991</b> , 173, 5507-15		37
1635	Dual start motif in two lambdoid S genes unrelated to lambda S. <b>1991</b> , 173, 2897-905		54
1634	The first gene in the <i>Escherichia coli</i> secA operon, gene X, encodes a nonessential secretory protein. <b>1991</b> , 173, 7092-7		39
1633	Evidence that M3 muscarinic receptors in rat parotid gland couple to two second messenger systems. <b>1991</b> , 261, C1063-73		97



1632	Activation of the nimA protein kinase plays a unique role during mitosis that cannot be bypassed by absence of the bimE checkpoint.. <b>1991</b> , 10, 2669-2679	82
1631	Characterization of the Pseudomonas sp. strain P51 gene tcbR, a LysR-type transcriptional activator of the tcbCDEF chlorocatechol oxidative operon, and analysis of the regulatory region. <b>1991</b> , 173, 3700-8	79
1630	The Escherichia coli htrP gene product is essential for bacterial growth at high temperatures: mapping, cloning, sequencing, and transcriptional regulation of htrP. <b>1991</b> , 173, 5999-6008	23
1629	Regulation and function of the Streptomyces plasmid pSN22 genes involved in pock formation and inviability. <b>1991</b> , 173, 7975-81	32
1628	Differential phosphorylation of vertebrate p34cdc2 kinase at the G1/S and G2/M transitions of the cell cycle: identification of major phosphorylation sites.. <b>1991</b> , 10, 305-316	266
1627	HBP-1a and HBP-1b: leucine zipper-type transcription factors of wheat.. <b>1991</b> , 10, 1459-1467	75
1626	S. pombe pac1+, whose overexpression inhibits sexual development, encodes a ribonuclease III-like RNase.. <b>1991</b> , 10, 221-226	55
1625	Structural, molecular, and genetic analysis of the kila operon of broad-host-range plasmid RK2. <b>1991</b> , 173, 3463-77	40
1624	Cloning, sequencing, and expression of Bacillus subtilis genes involved in ATP-dependent nuclease synthesis. <b>1991</b> , 173, 3644-55	46
1623	AlgR, a response regulator controlling mucoidy in Pseudomonas aeruginosa, binds to the FUS sites of the algD promoter located unusually far upstream from the mRNA start site. <b>1991</b> , 173, 5136-43	68
1622	Gene expression mediated by cis-acting sequences of the Krüppel gene in response to the Drosophila morphogens bicoid and hunchback.. <b>1991</b> , 10, 2267-2278	78
1621	Energetically distinct early and late stages of HlyB/HlyD-dependent secretion across both Escherichia coli membranes.. <b>1991</b> , 10, 3263-3272	84
1620	Disassembly of in vitro formed lamin head-to-tail polymers by CDC2 kinase.. <b>1991</b> , 10, 1535-1544	134
1619	Translational control of transposition activity of the bacterial insertion sequence IS1.. <b>1991</b> , 10, 705-712	55
1618	Cloning, sequencing, and recombinational analysis with bacteriophage BF23 of the bacteriophage T5 oad gene encoding the receptor-binding protein. <b>1991</b> , 173, 1287-97	17
1617	The maize regulatory locus Opaque-2 encodes a DNA-binding protein which activates the transcription of the b-32 gene.. <b>1991</b> , 10, 617-624	134
1616	Genetic and sequence analyses of a Pseudomonas denitrificans DNA fragment containing two cob genes. <b>1991</b> , 173, 6058-65	25
1615	Identification of the Escherichia coli sohB gene, a multicopy suppressor of the HtrA (DegP) null phenotype. <b>1991</b> , 173, 5763-70	35

1614	Bacteriophage P1 gene 10 encodes a trans-activating factor required for late gene expression. <b>1991</b> , 173, 6438-45	18
1613	Glass encodes a site-specific DNA-binding protein that is regulated in response to positional signals in the developing <i>Drosophila</i> eye. <b>1991</b> , 5, 583-93	204
1612	GAP-43: purification from a prokaryotic expression system, phosphorylation in cultured neurons, and regulation of synthesis in the central nervous system. <b>1991</b> , 89, 17-26	3
1611	M phase-specific cdc2 kinase: preparation from starfish oocytes and properties. <b>1991</b> , 200, 291-301	46
1610	Prokaryotic expression of catalytic subunit of adenosine cyclic monophosphate-dependent protein kinase. <b>1991</b> , 200, 581-96	38
1609	Crystallization of protein-DNA complexes. <b>1991</b> , 208, 82-99	18
1608	LcrD, a membrane-bound regulator of the <i>Yersinia pestis</i> low-calcium response. <b>1991</b> , 173, 7293-303	161
1607	Stringent integrity requirements for both trans-activation and DNA-binding in a trans-activator, Oct3. <b>1991</b> , 19, 4503-8	39
1606	Purification and characterization of recombinant tissue kallikrein from <i>Escherichia coli</i> and yeast. <b>1991</b> , 276 ( Pt 1), 63-71	15
1605	Substitution of foreign protein sequences into a chimeric toxin composed of transforming growth factor alpha and <i>Pseudomonas</i> exotoxin. <b>1991</b> , 11, 1751-3	13
1604	Heterodimers of myogenic helix-loop-helix regulatory factors and E12 bind a complex element governing myogenic induction of the avian cardiac alpha-actin promoter. <b>1991</b> , 11, 2439-50	83
1603	Nur77 is differentially modified in PC12 cells upon membrane depolarization and growth factor treatment. <b>1991</b> , 11, 3239-46	107
1602	Isoprenoid modification of rab proteins terminating in CC or CXC motifs. <b>1991</b> , 88, 6264-8	169
1601	The fission yeast <i>dis3+</i> gene encodes a 110-kDa essential protein implicated in mitotic control. <b>1991</b> , 11, 5839-47	78
1600	Production and purification of biologically active recombinant tilapia ( <i>Oreochromis niloticus</i> ) prolactins. <b>1991</b> , 131, 219-27	27
1599	Recombination mediated by vaccinia virus DNA topoisomerase I in <i>Escherichia coli</i> is sequence specific. <b>1991</b> , 88, 10104-8	66
1598	Characterization of <i>trbC</i> , a new F plasmid <i>tra</i> operon gene that is essential to conjugative transfer. <b>1991</b> , 173, 3872-8	21
1597	Activation of skeletal alpha-actin gene transcription: the cooperative formation of serum response factor-binding complexes over positive cis-acting promoter serum response elements displaces a negative-acting nuclear factor enriched in replicating myoblasts and nonmyogenic cells. <b>1991</b> , 11, 5090-100	147

1596	Tst-1, a member of the POU domain gene family, binds the promoter of the gene encoding the cell surface adhesion molecule P0. <b>1991</b> , 11, 1739-44	114
1595	Evidence for a factor required for transcriptional stimulation by the chimeric acidic activator GAL-VP16 in HeLa cell extracts. <b>1991</b> , 88, 7674-8	65
1594	B3(Fv)-PE38KDEL, a single-chain immunotoxin that causes complete regression of a human carcinoma in mice. <b>1991</b> , 88, 8616-20	210
1593	A functional 125-kDa core polypeptide of fission yeast DNA topoisomerase II. <b>1991</b> , 11, 6093-102	74
1592	TolA: a membrane protein involved in colicin uptake contains an extended helical region. <b>1991</b> , 88, 5939-43	134
1591	Ribosomal RNA introns in archaea and evidence for RNA conformational changes associated with splicing. <b>1991</b> , 88, 439-43	59
1590	Mutation of serum response factor phosphorylation sites and the mechanism by which its DNA-binding activity is increased by casein kinase II. <b>1991</b> , 11, 3652-9	93
1589	Cloning and expression in <i>Escherichia coli</i> of the structural gene coding for the monomeric protein of the S layer of <i>Thermus thermophilus</i> HB8. <b>1991</b> , 173, 5346-51	22
1588	Identification and characterization of a novel repressor of beta-interferon gene expression. <b>1991</b> , 5, 868-79	277
1587	Characterization and expression of the <i>Escherichia coli</i> Mrr restriction system. <b>1991</b> , 173, 5207-19	98
1586	Primary sequence of the <i>Escherichia coli</i> fadL gene encoding an outer membrane protein required for long-chain fatty acid transport. <b>1991</b> , 173, 435-42	83
1585	Molecular cloning of the cDNA encoding an immunodominant antigen of <i>Dirofilaria immitis</i> . <b>1991</b> , 65, 149-58	9
1584	Regulated expression of cytochrome P-450 <sub>scc</sub> (cholesterol-side-chain cleavage enzyme) in cultured cell lines detected by antibody against bacterially expressed human protein. <b>1991</b> , 274 ( Pt 3), 813-7	63
1583	Expression of human recombinant lipocortin I in a wheat-germ cell-free system and <i>Xenopus</i> oocytes. Lipocortin is not secreted. <b>1991</b> , 275 ( Pt 1), 219-25	10
1582	Expression and site-directed mutagenesis of hepatic glucokinase. <b>1991</b> , 277 ( Pt 1), 159-63	32
1581	Processing and secretion of human carboxypeptidase E by C6 glioma cells. <b>1991</b> , 280 ( Pt 3), 695-701	13
1580	<i>Streptomyces</i> : a host for heterologous gene expression. <b>1991</b> , 2, 674-81	31
1579	Modification of GP63 genes from diverse species of <i>Leishmania</i> for expression of recombinant protein at high levels in <i>Escherichia coli</i> . <b>1991</b> , 44, 213-24	34

1578	Purification, properties, and mutagenesis of poliovirus 3C protease. <b>1991</b> , 185, 140-50	35
1577	Detection of hepatitis A virus proteins in infected BS-C-1 cells. <b>1991</b> , 185, 411-8	25
1576	Cooperation of EBV DNA polymerase and EA-D(BMRF1) in vitro and colocalization in nuclei of infected cells. <b>1991</b> , 184, 330-40	61
1575	A polyadenylate binding protein localized to the granules of cytolytic lymphocytes induces DNA fragmentation in target cells. <b>1991</b> , 67, 629-39	342
1574	Base sequence discrimination by zinc-finger DNA-binding domains. <b>1991</b> , 349, 175-8	265
1573	Reduced binding of TFIID to transcriptionally compromised mutants of VP16. <b>1991</b> , 351, 588-90	331
1572	Independent inactivation of MPF and cytostatic factor (Mos) upon fertilization of <i>Xenopus</i> eggs. <b>1991</b> , 352, 247-8	166
1571	Two forms of the gamma-aminobutyric acid synthetic enzyme glutamate decarboxylase have distinct intraneuronal distributions and cofactor interactions. <b>1991</b> , 56, 720-3	691
1570	987P fimbrial gene identification and protein characterization by T7 RNA polymerase-induced transcription and TnpA mutagenesis. <b>1991</b> , 5, 61-70	18
1569	Binding of the immunity protein inactivates colicin M. <b>1991</b> , 5, 1105-11	32
1568	In vitro activation of <i>Escherichia coli</i> prohaemolysin to the mature membrane-targeted toxin requires HlyC and a low molecular-weight cytosolic polypeptide. <b>1991</b> , 5, 1669-79	67
1567	Molecular characterization of an <i>Arabidopsis thaliana</i> cDNA encoding a small GTP-binding protein, Rha1. <b>1991</b> , 1, 167-174	44
1566	Isolation and characterization of recombinant human casein kinase II subunits alpha and beta from bacteria. <b>1991</b> , 198, 25-30	183
1565	Single-step purification and structural characterization of human interleukin-6 produced in <i>Escherichia coli</i> from a T7 RNA polymerase expression vector. <b>1991</b> , 198, 541-7	116
1564	Recombinant human tyrosine hydroxylase isozymes. Reconstitution with iron and inhibitory effect of other metal ions. <b>1991</b> , 199, 371-8	89
1563	Formation of nucleophosmin/B23 oligomers requires both the amino- and the carboxyl-terminal domains of the protein. <b>1991</b> , 200, 715-21	53
1562	The polymerase domain of <i>Streptococcus pneumoniae</i> DNA polymerase I. High expression, purification and characterization. <b>1991</b> , 201, 147-55	9
1561	Expression of mammalian tyrosine aminotransferase in <i>Saccharomyces cerevisiae</i> and <i>Escherichia coli</i> . Purification to homogeneity and characterization of the enzyme overproduced in the bacteria. <b>1991</b> , 201, 399-407	7

1560	Presence of circulating anti-c-myb oncogene product antibodies in human sera. <b>1991</b> , 47, 665-9	39
1559	Introduction of the tac-promoter by lactose under fermentation conditions. <b>1991</b> , 11, 23-29	17
1558	Synthesis, purification, and characterization of human ciliary neuronotrophic factor from E. coli. <b>1991</b> , 29, 251-60	37
1557	Protein overproduction for organic chemists. <b>1991</b> , 47, 2543-2562	18
1556	The isolation, purification, and preliminary crystallographic characterization of UDP-galactose-4-epimerase from Escherichia coli. <b>1991</b> , 9, 135-42	15
1555	Strong suppression of chloramphenicol acetyltransferase expression by inducing T7 RNA polymerase. <b>1991</b> , 13, 751-754	
1554	A colicin M derivative containing the lipoprotein signal sequence is secreted and renders the colicin M target accessible from inside the cells. <b>1991</b> , 156, 449-454	5
1553	Molecular analysis of the Bacillus subtilis recF function. <b>1991</b> , 228, 393-400	9
1552	Analysis of yeast prp20 mutations and functional complementation by the human homologue RCC1, a protein involved in the control of chromosome condensation. <b>1991</b> , 227, 417-23	50
1551	Cloning of the pea cdc2 homologue by efficient immunological screening of PCR products. <b>1991</b> , 17, 321-33	36
1550	Use of high density cultures of Escherichia coli for high level production of recombinant Pseudomonas aeruginosa exotoxin A. <b>1991</b> , 36, 65-9	32
1549	Overexpression of a thermostable lipase gene from Pseudomonas fluorescens in Escherichia coli. <b>1991</b> , 35, 237	25
1548	Xenopus laevis Oct-1 does not bind to certain histone H2B gene promoter octamer motifs for which a novel octamer-binding factor has high affinity. <b>1991</b> , 19, 815-21	10
1547	Fine mapping of canine parvovirus B cell epitopes. <b>1991</b> , 72 ( Pt 10), 2445-56	58
1546	A phorbol ester/diacylglycerol-binding protein encoded by the unc-13 gene of Caenorhabditis elegans. <b>1991</b> , 88, 5729-33	207
1545	Nucleotide preferences in sequence-specific recognition of DNA by c-myb protein. <b>1991</b> , 19, 3913-9	103
1544	Plant enolase: gene structure, expression, and evolution. <b>1991</b> , 3, 719-35	131
1543	Pheromone-dependent phosphorylation of the yeast STE12 protein correlates with transcriptional activation. <b>1991</b> , 5, 741-50	132

1542	polo encodes a protein kinase homolog required for mitosis in <i>Drosophila</i> . <b>1991</b> , 5, 2153-65	322
1541	Fission yeast genes that confer resistance to staurosporine encode an AP-1-like transcription factor and a protein kinase related to the mammalian ERK1/MAP2 and budding yeast FUS3 and KSS1 kinases. <b>1991</b> , 5, 60-73	306
1540	Identification of the <i>Arabidopsis</i> CHL3 gene as the nitrate reductase structural gene NIA2. <b>1991</b> , 3, 461-71	159
1539	Overexpression of Phytochrome B Induces a Short Hypocotyl Phenotype in Transgenic <i>Arabidopsis</i> . <b>1991</b> , 3, 1275-1288	143
1538	Calcium/calmodulin-dependent protein kinase mediates a pathway for transcriptional regulation. <b>1991</b> , 88, 3710-4	102
1537	Cytotoxic effects of a recombinant chimeric toxin on rapidly proliferating vascular smooth muscle cells. <b>1991</b> , 84, 778-87	55
1536	Production of a specific polyclonal antibody against the rat beta thyroid receptor, using synthetic peptide as antigen. <b>1991</b> , 125, 397-400	7
1535	Prevention of human immunodeficiency virus type 1 integrase expression in <i>Escherichia coli</i> by a ribozyme. <b>1991</b> , 88, 7303-7	113
1534	Selection of sequences recognized by a DNA binding protein using a preparative southwestern blot. <b>1991</b> , 19, 4675-80	26
1533	High-affinity binding sites for the Deformed protein are required for the function of an autoregulatory enhancer of the Deformed gene. <b>1991</b> , 5, 278-86	89
1532	Isolation and expression of a maize type 1 protein phosphatase. <b>1991</b> , 97, 677-83	48
1531	A tyrosine-phosphorylated carboxy-terminal peptide of the fibroblast growth factor receptor (Flg) is a binding site for the SH2 domain of phospholipase C-gamma 1. <b>1991</b> , 11, 5068-78	410
1530	Effects of zinc and other divalent metals on deoxyribonucleic acid binding and hormone-binding activity of human alpha 1 thyroid hormone receptor expressed in <i>Escherichia coli</i> . <b>1991</b> , 129, 3027-33	33
1529	Design, synthesis, and functional expression of a gene for charybdotoxin, a peptide blocker of K <sup>+</sup> channels. <b>1991</b> , 88, 2046-50	93
1528	Protein engineering of single-chain Fv analogs and fusion proteins. <b>1991</b> , 203, 46-88	167
1527	Regulated expression of three C/EBP isoforms during adipose conversion of 3T3-L1 cells. <b>1991</b> , 5, 1538-52	1352
1526	Recombinant toxins for cancer treatment. <b>1991</b> , 254, 1173-7	266
1525	Gene I, a potential cell-to-cell movement locus of cauliflower mosaic virus, encodes an RNA-binding protein. <b>1991</b> , 88, 2476-80	87

1524	Molecular cloning and expression of a human heat shock factor, HSF1. <b>1991</b> , 88, 6906-10	406
1523	Similarity of human mitochondrial transcription factor 1 to high mobility group proteins. <b>1991</b> , 252, 965-9	489
1522	A streptavidin-protein A chimera that allows one-step production of a variety of specific antibody conjugates. <b>1991</b> , 9, 1378-81	52
1521	DNA binding properties of the vitamin D3 receptor zinc finger region. <b>1991</b> , 5, 1815-26	65
1520	A fission-yeast gene encoding a protein with features of protein-tyrosine-phosphatases. <b>1991</b> , 88, 3455-9	45
1519	Secondary structure of the phosphocarrier protein III <sub>Glc</sub> , a signal-transducing protein from <i>Escherichia coli</i> , determined by heteronuclear three-dimensional NMR spectroscopy. <b>1991</b> , 88, 3479-83	41
1518	Identification of a point mutation in type IIB von Willebrand disease illustrating the regulation of von Willebrand factor affinity for the platelet membrane glycoprotein Ib-IX receptor. <b>1991</b> , 88, 2946-50	60
1517	c-rel activates but v-rel suppresses transcription from kappa B sites. <b>1991</b> , 88, 3715-9	152
1516	The phage T4 nrdB intron: a deletion mutant of a version found in the wild. <b>1991</b> , 5, 1032-41	63
1515	High level expression in <i>Escherichia coli</i> of soluble, enzymatically active schistosomal hypoxanthine/guanine phosphoribosyltransferase and trypanosomal ornithine decarboxylase. <b>1991</b> , 88, 2500-4	81
1514	Cloning, expression and characterization of the human transcription elongation factor, TFIIS. <b>1991</b> , 19, 1073-9	55
1513	Establishment of the mesoderm-neuroectoderm boundary in the <i>Drosophila</i> embryo. <b>1991</b> , 254, 118-22	218
1512	Transcriptional regulation of a pair-rule stripe in <i>Drosophila</i> . <b>1991</b> , 5, 827-39	274
1511	The htrM gene, whose product is essential for <i>Escherichia coli</i> viability only at elevated temperatures, is identical to the rfaD gene. <b>1991</b> , 19, 3811-9	46
1510	Purification and substrate specificity of a T4 phage intron-encoded endonuclease. <b>1991</b> , 19, 6863-9	10
1509	Expression of chicken lamin B2 in <i>Escherichia coli</i> : characterization of its structure, assembly, and molecular interactions. <b>1991</b> , 113, 485-95	163
1508	Developmental distribution of female-specific Sex-lethal proteins in <i>Drosophila melanogaster</i> . <b>1991</b> , 5, 403-15	175
1507	A DNA binding domain is contained in the C-terminus of wild type p53 protein. <b>1991</b> , 19, 5191-8	102

1506	G alpha 16, a G protein alpha subunit specifically expressed in hematopoietic cells. <b>1991</b> , 88, 5587-91	243
1505	The arflike gene encodes an essential GTP-binding protein in Drosophila. <b>1991</b> , 88, 3120-4	144
1504	The hy3 Long Hypocotyl Mutant of Arabidopsis Is Deficient in Phytochrome B. <b>1991</b> , 3, 1263-1274	234
1503	A subunit common to an IgG Fc receptor and the T-cell receptor mediates assembly through different interactions. <b>1991</b> , 88, 3837-41	121
1502	The hy3 Long Hypocotyl Mutant of Arabidopsis Is Deficient in Phytochrome B. <b>1991</b> , 3, 1263	62
1501	Identification of the Arabidopsis CHL3 Gene as the Nitrate Reductase Structural Gene NIA2. <b>1991</b> , 3, 461	19
1500	Plant Enolase: Gene Structure, Expression, and Evolution. <b>1991</b> , 3, 719	15
1499	Biochemical and genetic characterization of a yeast TFIIID mutant that alters transcription in vivo and DNA binding in vitro. <b>1992</b> , 12, 2372-82	38
1498	Sugar <sup>+</sup> ation Symport Systems in Bacteria. <b>1992</b> , 137, 149-208	39
1497	Mutations in the p53 gene at codon 249 are rare in squamous-cell carcinoma of the head and neck. <b>1992</b> , 1, 253-6	1
1496	A novel DNA-binding motif abuts the zinc finger domain of insect nuclear hormone receptor FTZ-F1 and mouse embryonal long terminal repeat-binding protein. <b>1992</b> , 12, 5667-72	181
1495	Competition for overlapping sites in the regulatory region of the Drosophila gene Krüppel. <b>1992</b> , 256, 94-7	121
1494	A novel semi-automated paramagnetic microparticle based enzyme immunoassay for hepatitis C virus: its application to serologic testing. <b>1992</b> , 13, 393-410	1
1493	Two species of human CRK cDNA encode proteins with distinct biological activities. <b>1992</b> , 12, 3482-9	259
1492	Molecular cloning of two C/EBP-related proteins that bind to the promoter and the enhancer of the alpha 1-fetoprotein gene. Further analysis of C/EBP beta and C/EBP gamma. <b>1992</b> , 20, 3091-8	62
1491	Identification of novel factors that bind to the PRD I region of the human beta-interferon promoter. <b>1992</b> , 20, 1531-8	61
1490	Two regions in human DNA polymerase beta mRNA suppress translation in Escherichia coli. <b>1992</b> , 20, 4859-64	6
1489	Mapping functional regions of the segment-specific transcription factor Krox-20. <b>1992</b> , 20, 2485-92	42



1488	The kinetics and specificity of cleavage by RNase P is mainly dependent on the structure of the amino acid acceptor stem. <b>1992</b> , 20, 425-32	82
1487	DNA binding analysis of glucocorticoid receptor specificity mutants. <b>1992</b> , 20, 1045-52	55
1486	Assignment of a yeast protein necessary for mitochondrial transcription initiation. <b>1992</b> , 20, 1053-9	74
1485	Yeast and human TFIIIDs are interchangeable for the response to acidic transcriptional activators in vitro. <b>1992</b> , 6, 296-303	66
1484	In vivo analysis of the helix-turn-helix motif of the fushi tarazu homeo domain of <i>Drosophila melanogaster</i> . <b>1992</b> , 6, 1082-96	45
1483	The <i>Drosophila</i> spitz gene encodes a putative EGF-like growth factor involved in dorsal-ventral axis formation and neurogenesis. <b>1992</b> , 6, 1503-17	233
1482	Zinc finger-DNA recognition: analysis of base specificity by site-directed mutagenesis. <b>1992</b> , 20, 4137-44	96
1481	A conserved regulatory unit implicated in tissue-specific gene expression in <i>Drosophila</i> and man. <b>1992</b> , 6, 454-65	72
1480	Replication of a mutant hepatitis B virus with a fused X-C reading frame in hepatoma cells. <b>1992</b> , 73 ( Pt 9), 2421-4	24
1479	Human sera from varicella-zoster virus (VZV) infections cross-react with human T cell leukaemia virus type 1 (HTLV-1): common epitopes in VZV gene 22 protein and HTLV-1 p19 gag protein. <b>1992</b> , 73 ( Pt 11), 2969-73	9
1478	Two RNA-binding motifs in the double-stranded RNA-activated protein kinase, DAI. <b>1992</b> , 6, 2478-90	212
1477	Reduction of a conserved Cys is essential for Myb DNA-binding. <b>1992</b> , 20, 2279-86	113
1476	An African swine fever virus gene with homology to DNA ligases. <b>1992</b> , 20, 2667-71	24
1475	Cooperative binding of the red clover necrotic mosaic virus movement protein to single-stranded nucleic acids. <b>1992</b> , 73 ( Pt 2), 223-7	89
1474	Gas2, a growth arrest-specific protein, is a component of the microfilament network system. <b>1992</b> , 117, 1251-61	109
1473	How the mongoose can fight the snake: the binding site of the mongoose acetylcholine receptor. <b>1992</b> , 89, 7717-21	103
1472	Sequence-specific recognition of DNA by zinc-finger peptides derived from the transcription factor Sp1. <b>1992</b> , 89, 9759-63	133
1471	c-Jun represses the human insulin promoter activity that depends on multiple cAMP response elements. <b>1992</b> , 89, 1045-9	98

1470	Visualization and characterization of tobacco mosaic virus movement protein binding to single-stranded nucleic acids. <b>1992</b> , 4, 397-411	254
1469	Identification of the human immunodeficiency virus reverse transcriptase residues that contribute to the activity of diverse nonnucleoside inhibitors. <b>1992</b> , 36, 1441-6	75
1468	Subtype determination of Drosophila embryonic external sensory organs by redundant homeo box genes BarH1 and BarH2. <b>1992</b> , 6, 1005-18	93
1467	Stoichiometry of the Cre recombinase bound to the lox recombining site. <b>1992</b> , 20, 4451-5	53
1466	Intermolecular cystine-bonding of murine interleukin 2 indicates that ligand dimerization is important for the formation of the high-affinity receptor complex. <b>1992</b> , 7, 117-29	2
1465	Localization of RAP1 and topoisomerase II in nuclei and meiotic chromosomes of yeast. <b>1992</b> , 117, 935-48	266
1464	Discrimination of DNA response elements for thyroid hormone and estrogen is dependent on dimerization of receptor DNA binding domains. <b>1992</b> , 89, 5527-31	16
1463	Different extracellular domains of the neural cell adhesion molecule (N-CAM) are involved in different functions. <b>1992</b> , 118, 177-94	110
1462	Cyclin B2 undergoes cell cycle-dependent nuclear translocation and, when expressed as a non-destructible mutant, causes mitotic arrest in HeLa cells. <b>1992</b> , 117, 213-24	272
1461	Role of the amino- and carboxy-terminal regions in the folding and oligomerization of wheat high molecular weight glutenin subunits. <b>1992</b> , 98, 433-41	41
1460	Cystatins--inhibitors of cysteine proteinases. <b>1992</b> , 3, 307-32	118
1459	Soci�t� Belge de Biochimie Belgische Vereniging voor Biochemie. <b>1992</b> , 100, B1-B26	
1458	Production and functional characterization of a recombinant fragment of von Willebrand factor (vWF): an antagonist to platelet receptor GP Ib. <b>1992</b> , 10, 66-73	5
1457	cAMP-dependent protein kinase, but not the cGMP-dependent enzyme, rapidly phosphorylates delta-CREB, and a synthetic delta-CREB peptide. <b>1992</b> , 70, 1277-82	41
1456	Casein kinase II is a predominantly nuclear enzyme. <b>1992</b> , 116, 43-55	214
1455	Molecular and functional characterization of the Salmonella invasion gene invA: homology of InvA to members of a new protein family. <b>1992</b> , 174, 4338-49	469
1454	The Caenorhabditis elegans unc-13 gene product is a phospholipid-dependent high-affinity phorbol ester receptor. <b>1992</b> , 287 ( Pt 3), 995-9	68
1453	The DNA binding site of HMG1 protein is composed of two similar segments (HMG boxes), both of which have counterparts in other eukaryotic regulatory proteins.. <b>1992</b> , 11, 1055-1063	168

1452	Bacteriophage T7 RNA polymerase travels far ahead of ribosomes in vivo. <b>1992</b> , 174, 619-22	97
1451	In vitro activation of the <i>Serratia marcescens</i> hemolysin through modification and complementation. <b>1992</b> , 174, 5086-94	52
1450	Characterization and comparison of <i>Clostridium cellulovorans</i> endoglucanases-xylanases EngB and EngD hyperexpressed in <i>Escherichia coli</i> . <b>1992</b> , 174, 1403-9	44
1449	Preparation of recombinant ADP-ribosylation factor. <b>1992</b> , 219, 362-9	61
1448	Only two of the five zinc fingers of the eukaryotic transcriptional repressor PRDI-BF1 are required for sequence-specific DNA binding. <b>1992</b> , 12, 1940-9	100
1447	Enhancer of splitD, a dominant mutation of <i>Drosophila</i> , and its use in the study of functional domains of a helix-loop-helix protein. <b>1992</b> , 89, 6152-6	101
1446	Cloning of <i>Drosophila</i> transcription factor Adf-1 reveals homology to Myb oncoproteins. <b>1992</b> , 89, 683-7	50
1445	Identification of replication factor C from <i>Saccharomyces cerevisiae</i> : a component of the leading-strand DNA replication complex. <b>1992</b> , 12, 155-63	205
1444	Novel member of the zinc finger superfamily: A C2-HC finger that recognizes a glia-specific gene. <b>1992</b> , 12, 5632-9	114
1443	Definition of the binding sites of individual zinc fingers in the transcription factor IIIA-5S RNA gene complex. <b>1992</b> , 89, 10822-6	85
1442	An ATF/CREB binding site is required for virus induction of the human interferon beta gene [corrected]. <b>1992</b> , 89, 2150-4	107
1441	Anti-helix-loop-helix domain antibodies: discovery of autoantibodies that inhibit DNA binding activity of human centromere protein B (CENP-B). <b>1992</b> , 111, 478-83	30
1440	Identification and molecular characterization of a <i>Salmonella typhimurium</i> gene involved in triggering the internalization of salmonellae into cultured epithelial cells. <b>1992</b> , 89, 5976-80	171
1439	Reversion of recombinant toxoids: mutations in diphtheria toxin that partially compensate for active-site deletions. <b>1992</b> , 89, 6207-9	12
1438	A developmentally regulated chlamydial gene with apparent homology to eukaryotic histone H1. <b>1992</b> , 89, 2125-9	75
1437	Alteration of a protease-sensitive region of <i>Pseudomonas</i> exotoxin prolongs its survival in the circulation of mice. <b>1992</b> , 89, 3065-9	18
1436	<i>Drosophila</i> transcriptional repressor protein that binds specifically to negative control elements in fat body enhancers. <b>1992</b> , 12, 4093-103	44
1435	Conserved DNA binding and self-association domains of the <i>Drosophila</i> zeste protein. <b>1992</b> , 12, 598-608	37

1434	A retinoic acid receptor alpha antagonist selectively counteracts retinoic acid effects. <b>1992</b> , 89, 7129-33	259
1433	Binding of the <i>Drosophila</i> transformer and transformer-2 proteins to the regulatory elements of doublesex primary transcript for sex-specific RNA processing. <b>1992</b> , 89, 8092-6	131
1432	Two human glutamate decarboxylases, 65-kDa GAD and 67-kDa GAD, are each encoded by a single gene. <b>1992</b> , 89, 2115-9	421
1431	Independent domain folding of <i>Pseudomonas</i> exotoxin and single-chain immunotoxins: influence of interdomain connections. <b>1992</b> , 89, 3075-9	80
1430	Murine helix-loop-helix transcriptional activator proteins binding to the E-box motif of the Akv murine leukemia virus enhancer identified by cDNA cloning. <b>1992</b> , 12, 3449-59	56
1429	The FixL protein of <i>Rhizobium meliloti</i> can be separated into a heme-binding oxygen-sensing domain and a functional C-terminal kinase domain. <b>1992</b> , 89, 4280-4	155
1428	A periplasmic protein disulfide oxidoreductase is required for transformation of <i>Haemophilus influenzae</i> Rd. <b>1992</b> , 89, 10252-6	69
1427	Protein tyrosine phosphatase containing SH2 domains: characterization, preferential expression in hematopoietic cells, and localization to human chromosome 12p12-p13. <b>1992</b> , 12, 836-46	326
1426	DPH5, a methyltransferase gene required for diphthamide biosynthesis in <i>Saccharomyces cerevisiae</i> . <b>1992</b> , 12, 4026-37	68
1425	The DNA-binding defect observed in major histocompatibility complex class II regulatory mutants concerns only one member of a family of complexes binding to the X boxes of class II promoters. <b>1992</b> , 12, 4076-83	62
1424	Definition of a minimal plasmid stabilization system from the broad-host-range plasmid RK2. <b>1992</b> , 174, 8119-32	79
1423	DNA gyrase, CS7.4, and the cold shock response in <i>Escherichia coli</i> . <b>1992</b> , 174, 5798-802	201
1422	A T7 expression vector optimized for site-directed mutagenesis using oligodeoxyribonucleotide cassettes. <b>1992</b> , 117, 113-7	61
1421	Stabilization of T7-promoter-based pARHS expression vectors using the parB locus. <b>1992</b> , 119, 91-3	12
1420	Bacterial expression, purification, and in vitro N-myristoylation of HIV-1 p17gag. <b>1992</b> , 3, 395-402	8
1419	Deletion of hydrophobic domains of viral glycoproteins increases the level of their production in <i>Escherichia coli</i> . <b>1992</b> , 112, 157-62	18
1418	Ectopic expression of the <i>Drosophila</i> tramtrack gene results in multiple embryonic defects, including repression of even-skipped and fushi tarazu. <b>1992</b> , 38, 183-95	53
1417	pBluescriptII: multifunctional cloning and mapping vectors. <b>1992</b> , 216, 483-95	55

1416	Calcium-regulated phosphorylation within the leucine zipper of C/EBP beta. <b>1992</b> , 256, 370-3	362
1415	Biochemical characterization of the Oct-2 POU domain with implications for bipartite DNA recognition. <b>1992</b> , 31, 5841-8	37
1414	Determination of the DNA sequence recognized by the bHLH-zip domain of the N-Myc protein. <b>1992</b> , 20, 2257-63	60
1413	Renaturation of a single-chain immunotoxin facilitated by chaperones and protein disulfide isomerase. <b>1992</b> , 10, 682-5	51
1412	Phosphorylation of the Epstein-Barr virus nuclear antigen 2. <b>1992</b> , 186, 1694-701	16
1411	Cloning and expression of the variable regions of mouse myeloma protein MOPC315 in E. coli: recovery of active FV fragments. <b>1992</b> , 29, 21-30	30
1410	Cloning and inducible synthesis of poliovirus nonstructural proteins. <b>1992</b> , 117, 185-92	17
1409	Biochemical and immunological evidence that the 11 kDa zinc-binding protein of lymphocytic choriomeningitis virus is a structural component of the virus. <b>1992</b> , 22, 185-98	81
1408	Characterization of the mcrBC region of Escherichia coli K-12 wild-type and mutant strains. <b>1992</b> , 114, 1-12	29
1407	A two-component T7 system for the overexpression of genes in Pseudomonas aeruginosa. <b>1992</b> , 111, 35-41	76
1406	Recombinant human erythropoietin for autologous blood donation: effects on perioperative red-blood-cell and serum erythropoietin production. <b>1992</b> , 339, 773-5	55
1405	Telencephalon-restricted expression of BF-1, a new member of the HNF-3/fork head gene family, in the developing rat brain. <b>1992</b> , 8, 957-66	357
1404	Expression of human NAD-dependent methylenetetrahydrofolate dehydrogenase-methenyltetrahydrofolate cyclohydrolase in Escherichia coli: purification and partial characterization. <b>1992</b> , 3, 256-62	8
1403	Construction of a cDNA library from microdissected guinea pig organ of Corti. <b>1992</b> , 62, 124-6	37
1402	Purification and characterization of the M.RsrI DNA methyltransferase from Escherichia coli. <b>1992</b> , 118, 5-11	21
1401	Identification by molecular cloning of an autoantigen associated with Addison's disease as steroid 17 alpha-hydroxylase. <b>1992</b> , 339, 770-3	165
1400	Cloning and expression of a cDNA encoding the Epstein-Barr virus thymidine kinase gene. <b>1992</b> , 40, 107-18	8
1399	Twin of I-POU: a two amino acid difference in the I-POU homeodomain distinguishes an activator from an inhibitor of transcription. <b>1992</b> , 68, 491-505	112

1398	slow border cells, a locus required for a developmentally regulated cell migration during oogenesis, encodes <i>Drosophila</i> C/EBP. <b>1992</b> , 71, 51-62	276
1397	A novel transcription factor reveals a functional link between the RNA polymerase II CTD and TFIID. <b>1992</b> , 69, 883-94	163
1396	Torso receptor activity is regulated by a diffusible ligand produced at the extracellular terminal regions of the <i>Drosophila</i> egg. <b>1992</b> , 71, 987-1001	143
1395	The high mobility group protein HMG I(Y) is required for NF-kappa B-dependent virus induction of the human IFN-beta gene. <b>1992</b> , 71, 777-89	613
1394	Overproduction of four functionally active proteins, TnsA, B, C, and D, required for Tn7 transposition to its attachment site, attTn7. <b>1992</b> , 28, 80-5	2
1393	The role of the head and tail domain in lamin structure and assembly: analysis of bacterially expressed chicken lamin A and truncated B2 lamins. <b>1992</b> , 108, 74-89	114
1392	In vivo and in vitro activities of point mutants of the bacteriophage T7 RNA polymerase promoter. <b>1992</b> , 31, 9073-80	28
1391	3-Carboxy-cis,cis-muconate lactonizing enzyme from <i>Pseudomonas putida</i> is homologous to the class II fumarase family: a new reaction in the evolution of a mechanistic motif. <b>1992</b> , 31, 9768-76	64
1390	Structural comparison of phosphorylated and unphosphorylated forms of IIIIGlc, a signal-transducing protein from <i>Escherichia coli</i> , using three-dimensional NMR techniques. <b>1992</b> , 31, 5215-24	35
1389	Truncation of the COOH-terminal domain of the psbE gene product in <i>Synechocystis</i> sp. PCC 6803: requirements for photosystem II assembly and function. <b>1992</b> , 31, 4066-74	35
1388	Rational design of a chimeric toxin: an intramolecular location for the insertion of transforming growth factor alpha within <i>Pseudomonas</i> exotoxin as a targeting ligand. <b>1992</b> , 3, 58-62	19
1387	Determination of recognition-sequences for DNA-binding proteins by a polymerase chain reaction assisted binding site selection method (BSS) using nitrocellulose immobilized DNA binding protein. <b>1992</b> , 20, 6317-21	24
1386	Randomization of genes by PCR mutagenesis. <b>1992</b> , 2, 28-33	772
1385	Gene synthesis, bacterial expression, and <sup>1</sup> H NMR spectroscopic studies of the rat outer mitochondrial membrane cytochrome b5. <b>1992</b> , 31, 12233-40	75
1384	A streptavidin-metallothionein chimera that allows specific labeling of biological materials with many different heavy metal ions. <b>1992</b> , 89, 1534-8	40
1383	Conformational changes of HIV reverse transcriptase subunits on formation of the heterodimer: correlation with kcat and Km. <b>1992</b> , 31, 8221-8	16
1382	<i>Drosophila</i> C/EBP: a tissue-specific DNA-binding protein required for embryonic development. <b>1992</b> , 6, 2299-311	58
1381	Inducible expression of a toxic poliovirus membrane protein in <i>Escherichia coli</i> : comparative studies using different expression systems based on T7 promoters. <b>1992</b> , 188, 972-81	24

1380	Evidence for the involvement of tryptophan 38 in the active site of glutathione S-transferase P. <b>1992</b> , 185, 1069-77		20
1379	Crystallization and preliminary crystallographic analysis of a thermostable mutant of kanamycin nucleotidyltransferase. <b>1992</b> , 295, 1-4		3
1378	Over-expression and refolding of beta-subunit from the chloroplast ATP synthase. <b>1992</b> , 298, 69-73		18
1377	Cloning and nucleotide sequence of the fabD gene encoding malonyl coenzyme A-acyl carrier protein transacylase of Escherichia coli. <b>1992</b> , 299, 262-6		40
1376	Isolation, sequencing and expression in E. coli of the urocanase gene from white clover (Trifolium repens). <b>1992</b> , 311, 206-8		9
1375	Processing of the chloroplast transit peptide of pea carbonic anhydrase in chloroplasts and in Escherichia coli. Identification of two cleavage sites. <b>1992</b> , 314, 232-6		23
1374	Isorepressor of the gal regulon in Escherichia coli. <i>Journal of Molecular Biology</i> , <b>1992</b> , 226, 69-83	6.5	44
1373	Molecular cloning and analysis of the gene encoding the NADH oxidase from Streptococcus faecalis 10C1. Comparison with NADH peroxidase and the flavoprotein disulfide reductases. <i>Journal of Molecular Biology</i> , <b>1992</b> , 227, 658-71	6.5	95
1372	Specific interaction of the first three zinc fingers of TFIIIA with the internal control region of the Xenopus 5 S RNA gene. <i>Journal of Molecular Biology</i> , <b>1992</b> , 223, 857-71	6.5	100
1371	Bacteriophage P1 genes involved in the recognition and cleavage of the phage packaging site (pac). <i>Journal of Molecular Biology</i> , <b>1992</b> , 223, 977-89	6.5	20
1370	Crystallization and preliminary X-ray investigation of a ubiquitin carrier protein (E2) from Arabidopsis thaliana. <i>Journal of Molecular Biology</i> , <b>1992</b> , 223, 1183-6	6.5	4
1369	Molecular analysis of the Bacillus subtilis bacteriophage SPP1 region encompassing genes 1 to 6. The products of gene 1 and gene 2 are required for pac cleavage. <i>Journal of Molecular Biology</i> , <b>1992</b> , 224, 87-102	6.5	65
1368	General mutagenesis/gene expression procedure for the construction of variant immunoglobulin domains in Escherichia coli. Production of the Bence-Jones protein REIv via fusion to beta-lactamase. <i>Journal of Molecular Biology</i> , <b>1992</b> , 228, 359-65	6.5	13
1367	Characterization of bacteriophage T7 RNA polymerase by linker insertion mutagenesis. <i>Journal of Molecular Biology</i> , <b>1992</b> , 228, 488-505	6.5	39
1366	Gene amplification at a locus encoding a putative Na <sup>+</sup> /H <sup>+</sup> antiporter confers sodium and lithium tolerance in fission yeast.. <b>1992</b> , 11, 1631-1640		133
1365	Cloning, sequencing, and enhanced expression of the dihydropteroate synthase gene of Escherichia coli MC4100. <b>1992</b> , 174, 5961-70		92
1364	Site-directed mutagenesis at the Exo III motif of phi 29 DNA polymerase; overlapping structural domains for the 3'-5' exonuclease and strand-displacement activities.. <b>1992</b> , 11, 4227-4237		67
1363	Mutational analysis of signal transduction by ArcB, a membrane sensor protein responsible for anaerobic repression of operons involved in the central aerobic pathways in Escherichia coli. <b>1992</b> , 174, 3972-80		82

1362	Nucleotide sequence and characterization of four additional genes of the hydrogenase structural operon from <i>Rhizobium leguminosarum</i> bv. <i>viciae</i> . <b>1992</b> , 174, 4130-9	78
1361	The essential <i>Escherichia coli</i> <i>msgB</i> gene, a multicopy suppressor of a temperature-sensitive allele of the heat shock gene <i>grpE</i> , is identical to <i>dapE</i> . <b>1992</b> , 174, 5258-64	16
1360	Relocation and distinct subcellular localization of p34cdc2-cyclin B complex at meiosis reinitiation in starfish oocytes.. <b>1992</b> , 11, 1763-1772	196
1359	Two regulatory proteins that bind to the basic transcription element (BTE), a GC box sequence in the promoter region of the rat P-4501A1 gene.. <b>1992</b> , 11, 3663-3671	261
1358	Membrane topology of the <i>Escherichia coli</i> ExbD protein. <b>1992</b> , 174, 5485-7	102
1357	Alterations in the hydrophilic segment of the maltose-binding protein (MBP) signal peptide that affect either export or translation of MBP. <b>1992</b> , 174, 6488-97	16
1356	AlgR-binding sites within the <i>algD</i> promoter make up a set of inverted repeats separated by a large intervening segment of DNA. <b>1992</b> , 174, 6624-33	72
1355	The phenotypes of temperature-sensitive mini-RK2 replicons carrying mutations in the replication control gene <i>trfA</i> are suppressed nonspecifically by intragenic <i>cop</i> mutations. <b>1992</b> , 174, 7026-32	17
1354	The acidic transcriptional activator GAL-VP16 acts on preformed template-committed complexes.. <b>1992</b> , 11, 2229-2240	79
1353	GT-2: a transcription factor with twin autonomous DNA-binding domains of closely related but different target sequence specificity.. <b>1992</b> , 11, 4131-4144	55
1352	Analysis of mutations in <i>trfA</i> , the replication initiation gene of the broad-host-range plasmid RK2. <b>1992</b> , 174, 4110-9	26
1351	Replication origin mutations affecting binding of pSC101 plasmid-encoded Rep initiator protein. <b>1992</b> , 174, 456-63	7
1350	<i>Streptococcus pneumoniae</i> DNA polymerase I lacks 3' to 5' exonuclease activity: localization of the 5' to 3' exonucleolytic domain. <b>1992</b> , 174, 2014-24	14
1349	Iron(III) hydroxamate transport in <i>Escherichia coli</i> K-12: FhuB-mediated membrane association of the FhuC protein and negative complementation of <i>fhuC</i> mutants. <b>1992</b> , 174, 2305-11	23
1348	A POU-A related region dictates DNA binding specificity of LFB1/HNF1 by orienting the two XL-homeodomains in the dimer.. <b>1992</b> , 11, 4119-4129	28
1347	DNA binding by c-Ets-1, but not v-Ets, is repressed by an intramolecular mechanism.. <b>1992</b> , 11, 643-652	103
1346	Antp-type homeodomains have distinct DNA binding specificities that correlate with their different regulatory functions in embryos.. <b>1992</b> , 11, 991-1002	68
1345	Chimeric myosin regulatory light chains identify the subdomain responsible for regulatory function.. <b>1992</b> , 11, 4715-4722	20



1344	Regulation of the mec-3 gene by the C.elegans homeoproteins UNC-86 and MEC-3.. <b>1992</b> , 11, 4969-4979	90
1343	Membrane localization and topology of a viral assembly protein. <b>1992</b> , 174, 2460-5	49
1342	Cloning, nucleotide sequence, expression, and chromosomal location of ldh, the gene encoding L-(+)-lactate dehydrogenase, from Lactococcus lactis. <b>1992</b> , 174, 6956-64	49
1341	The period gene encodes a predominantly nuclear protein in adult Drosophila. <b>1992</b> , 12, 2735-44	127
1340	Alternatively spliced transcripts of the Drosophila tramtrack gene encode zinc finger proteins with distinct DNA binding specificities.. <b>1992</b> , 11, 1035-1044	110
1339	Analysis of two-stage recombinant bacterial fermentations using a structured kinetic model. <b>1992</b> , 7, 249-255	5
1338	Sensitivity to plating of Escherichia coli cells expressing the cryA gene from Bacillus thuringiensis var. israelensis. <b>1992</b> , 232, 162-5	26
1337	Transcripts and translation products of a mitochondrial plasmid of Claviceps purpurea. <b>1992</b> , 21, 249-54	19
1336	Isolation and characterization of a cDNA clone encoding the TATA box-binding protein (TFIID) from wheat. <b>1992</b> , 19, 867-72	14
1335	Maximizing the expression of a recombinant gene in Escherichia coli by manipulation of induction time using lactose as inducer. <b>1992</b> , 36, 739-44	75
1334	Lysozyme expression in Lactococcus lactis. <b>1992</b> , 37, 216-24	21
1333	Characterization of EntF as a serine-activating enzyme. <b>1992</b> , 1, 549-56	40
1332	Expression, purification, and characterization of the functional dimeric cytoplasmic domain of human erythrocyte band 3 in Escherichia coli. <b>1992</b> , 1, 1206-14	45
1331	Effects of calcium on recombinant bovine chromogranin A. <b>1992</b> , 1, 1604-12	6
1330	Functional mapping of the surface of Escherichia coli ribose-binding protein: mutations that affect chemotaxis and transport. <b>1992</b> , 1, 1642-51	45
1329	Loss of gene function through rapid mitotic cycles in the Drosophila embryo. <b>1992</b> , 359, 156-9	125
1328	Centractin is an actin homologue associated with the centrosome. <b>1992</b> , 359, 246-50	155
1327	The copy number of plasmid pLS1 is regulated by two trans-acting plasmid products: the antisense RNA II and the repressor protein, RepA. <b>1992</b> , 6, 83-94	81

1326	Nucleotide sequence analysis and serologic characterization of the Mycobacterium intracellulare homologue of the Mycobacterium tuberculosis 19 kDa antigen. <b>1992</b> , 6, 1431-9	23
1325	Transcription and autoregulation of the stabilizing functions of broad-host-range plasmid RK2 in Escherichia coli, Agrobacterium tumefaciens and Pseudomonas aeruginosa. <b>1992</b> , 6, 1981-94	43
1324	Differential levels of fertility inhibition among F-like plasmids are related to the cellular concentration of finO mRNA. <b>1992</b> , 6, 771-80	22
1323	Overexpression and surface localization of the Chlamydia trachomatis major outer membrane protein in Escherichia coli. <b>1992</b> , 6, 1087-94	28
1322	Identification and characterization of a novel Bacillus thuringiensis delta-endotoxin entomocidal to coleopteran and lepidopteran larvae. <b>1992</b> , 6, 1211-7	121
1321	The TraM protein of the conjugative plasmid F binds to the origin of transfer of the F and ColE1 plasmids. <b>1992</b> , 6, 2951-9	51
1320	Sequence alterations affecting F plasmid transfer gene expression: a conjugation system dependent on transcription by the RNA polymerase of phage T7. <b>1992</b> , 6, 2961-73	23
1319	Determinants of an unusually stable mRNA in the bacterium Myxococcus xanthus. <b>1992</b> , 6, 2975-88	15
1318	The 5Nto 3N exonuclease activity of DNA polymerase I is essential for Streptococcus pneumoniae. <b>1992</b> , 6, 3009-19	24
1317	Identification of variable region differences in Neisseria meningitidis class 3 protein sequences among five group B serotypes. <b>1992</b> , 6, 3493-9	29
1316	A plasmid-encoded type IV fimbrial gene of enteropathogenic Escherichia coli associated with localized adherence. <b>1992</b> , 6, 3427-37	251
1315	Identification and characterization of virK, a virulence-associated large plasmid gene essential for intercellular spreading of Shigella flexneri. <b>1992</b> , 6, 2387-95	83
1314	Purification of the STB enterotoxin of Escherichia coli and the role of selected amino acids on its secretion, stability and toxicity. <b>1992</b> , 6, 2397-406	32
1313	Construction of chimaeric genes for mapping a surface-exposed epitope on the pilus of non-typable Haemophilus influenzae strain M37. <b>1992</b> , 6, 2583-8	5
1312	Expression of bacterial cytotoxin genes in mammalian target cells. <b>1992</b> , 6, 2651-9	15
1311	Cytotoxic proteins. <b>1992</b> , 3, 422-9	6
1310	Targeting growth factor receptors with fusion toxins. <b>1992</b> , 14, 465-72	14
1309	Cyclin B in fish oocytes: its cDNA and amino acid sequences, appearance during maturation, and induction of p34cdc2 activation. <b>1992</b> , 33, 131-40	86

1308	Expression of enzymatically active rat liver and human placental catechol-O-methyltransferase in <i>Escherichia coli</i> ; purification and partial characterization of the enzyme. <b>1992</b> , 1129, 149-54	35
1307	Molecular cloning and expression of the bacteriophage T7 0.7(protein kinase) gene. <b>1992</b> , 186, 452-62	15
1306	Structural and functional studies on phi 29 DNA polymerase. <b>1992</b> , 102, S32-8	11
1305	Improved serologic detection of hepatitis C virus with a paramagnetic microparticle assay using multiple antigenic sequences. <b>1992</b> , 32, 548-53	2
1304	Characterization of a secreted glycoprotein of the immunoglobulin superfamily inducible by mitogen and oncogene. <b>1992</b> , 204, 1041-7	10
1303	Expression of <i>Erythrina corallodendron</i> lectin in <i>Escherichia coli</i> . <b>1992</b> , 205, 575-81	39
1302	Selenoprotein synthesis in <i>E. coli</i> . Purification and characterisation of the enzyme catalysing selenium activation. <b>1992</b> , 206, 767-73	88
1301	A strong protein-tyrosine kinase activity is associated with a baculovirus-expressed chicken tk1 gene. <b>1992</b> , 208, 91-100	3
1300	Overexpression of cloned genes using recombinant <i>Escherichia coli</i> regulated by a T7 promoter: I. Batch cultures and kinetic modeling. <b>1992</b> , 40, 787-96	38
1299	A method for increasing the yield of properly folded recombinant fusion proteins: single-chain immunotoxins from renaturation of bacterial inclusion bodies. <b>1992</b> , 205, 263-70	332
1298	Application of an immune-tolerizing procedure to generate monoclonal antibodies specific to an alternate protein isoform of bovine growth hormone. <b>1992</b> , 207, 142-9	11
1297	Hepatocyte growth factor/hepatopoiectin A is expressed in fat-storing cells from rat liver but not myofibroblast-like cells derived from fat-storing cells. <b>1992</b> , 15, 5-11	194
1296	Analysis of human/mouse interleukin-6 hybrid proteins: both amino and carboxy termini of human interleukin-6 are required for in vitro receptor binding. <b>1992</b> , 22, 2609-15	27
1295	Broad host range, regulated expression system utilizing bacteriophage T7 RNA polymerase and promoter. <b>1993</b> , 41, 837-45	2
1294	Overexpression of cloned genes using recombinant <i>Escherichia coli</i> regulated by a T7 promoter: II. Two-stage continuous cultures and model simulations. <b>1993</b> , 42, 74-80	7
1293	Construction, expression, and analysis of recombinant HIV gp41 constructs containing a novel cellular binding domain. <b>1993</b> , 42, 81-6	
1292	A single-cell assay of beta-galactosidase in recombinant <i>Escherichia coli</i> using flow cytometry. <b>1993</b> , 42, 708-15	18
1291	Production of monoclonal antibodies to human estrogen-receptor protein (ER) using recombinant ER (RER). <b>1993</b> , 55, 651-4	128

1290	High-level expression of cytokine-induced neutrophil chemoattractant (CINC) by a metastatic rat cell line: purification and production of blocking antibodies. <b>1993</b> , 156, 421-7	39
1289	Stable expression plasmid for high-level production of GroE molecular chaperones in large-scale cultures. <b>1993</b> , 15, 730-5	10
1288	Thermostable mutants of kanamycin nucleotidyltransferase are also more stable to proteinase K, urea, detergents, and water-miscible organic solvents. <b>1993</b> , 15, 286-92	26
1287	Continuous protein synthesis system with <i>Escherichia coli</i> S30 extract containing endogenous T7 RNA polymerase. <b>1993</b> , 15, 785	11
1286	Repeat units from a maize rDNA external spacer region exhibit DNA curvature and interact with high-mobility-group proteins. <b>1993</b> , 191, 524-31	11
1285	Molecular analysis of the capsid protein gene of a german isolate of barley mild mosaic virus. <b>1993</b> , 12, 237-40	4
1284	The solution structure of the human retinoic acid receptor-beta DNA-binding domain. <b>1993</b> , 3, 1-17	49
1283	Nitrate reductase of <i>Neurospora crassa</i> : the functional role of individual amino acids in the heme domain as examined by site-directed mutagenesis. <b>1993</b> , 240, 221-30	11
1282	Activity of the yeast MAP kinase homologue Slt2 is critically required for cell integrity at 37 degrees C. <b>1993</b> , 241, 177-84	108
1281	The gene and the RNA for the precursor to the plastid-located glycerol-3-phosphate acyltransferase of <i>Arabidopsis thaliana</i> . <b>1993</b> , 21, 267-77	70
1280	Cloning and characterization of two cDNAs encoding casein kinase II catalytic subunits in <i>Arabidopsis thaliana</i> . <b>1993</b> , 21, 279-89	56
1279	Molecular cloning and expression of a <i>Eucalyptus gunnii</i> cDNA clone encoding cinnamyl alcohol dehydrogenase. <b>1993</b> , 21, 1085-95	77
1278	Identification of functioning regulatory sites and a new myosin binding site in the C-terminal 288 amino acids of caldesmon expressed from a human clone. <b>1993</b> , 14, 385-91	26
1277	Sequence and activity of an endogenous promoter of the assimilatory sulfite reductase gene from <i>Desulfovibrio vulgaris</i> (Hildenborough). <b>1993</b> , 15, 901-906	1
1276	Tautomeric states of the active-site histidines of phosphorylated and unphosphorylated IIIIGlc, a signal-transducing protein from <i>Escherichia coli</i> , using two-dimensional heteronuclear NMR techniques. <b>1993</b> , 2, 543-58	263
1275	Bacterial expression and characterization of the CREB bZip module: circular dichroism and 2D 1H-NMR studies. <b>1993</b> , 2, 1461-71	21
1274	Expression, purification, characterization, and deletion mutations of phosphorylase kinase gamma subunit: identification of an inhibitory domain in the gamma subunit. <b>1993</b> , 127-128, 7-18	23
1273	A multifunctional plasmid for protein expression by ECPCR: overproduction of the p50 subunit of NF-B. <b>1993</b> , 3, 1089-1094	38

1272	A streptavidin mutant containing a cysteine stretch that facilitates production of a variety of specific streptavidin conjugates. <b>1993</b> , 11, 201-6	11
1271	Two distinct ATP-binding domains are needed to promote protein export by <i>Escherichia coli</i> SecA ATPase. <b>1993</b> , 10, 483-97	201
1270	Multiple copies of a DNA sequence from <i>Pseudomonas syringae</i> pathovar phaseolicola abolish thermoregulation of phaseolotoxin production. <b>1993</b> , 8, 625-35	48
1269	Forespore-specific disappearance of the sigma-factor antagonist spoIIAB: implications for its role in determination of cell fate in <i>Bacillus subtilis</i> . <b>1993</b> , 8, 663-71	48
1268	Optimization of a recombinant von Willebrand factor fragment as an antagonist of the platelet glycoprotein Ib receptor. <b>1993</b> , 11, 709-13	11
1267	Functional equivalence of human X- and Y-encoded isoforms of ribosomal protein S4 consistent with a role in Turner syndrome. <b>1993</b> , 4, 268-71	119
1266	A new factor related to TATA-binding protein has highly restricted expression patterns in <i>Drosophila</i> . <b>1993</b> , 361, 557-61	114
1265	The protein Sex-lethal antagonizes the splicing factor U2AF to regulate alternative splicing of transformer pre-mRNA. <b>1993</b> , 362, 171-5	287
1264	Cloning and molecular characterization of a gene involved in <i>Salmonella</i> adherence and invasion of cultured epithelial cells. <b>1993</b> , 7, 89-98	100
1263	Protein HU binds specifically to kinked DNA. <b>1993</b> , 7, 343-50	170
1262	Molecular analysis of a microaerobically induced operon required for hydrogenase synthesis in <i>Rhizobium leguminosarum</i> biovar viciae. <b>1993</b> , 8, 471-81	50
1261	The <i>arsD</i> gene encodes a second trans-acting regulatory protein of the plasmid-encoded arsenical resistance operon. <b>1993</b> , 8, 615-23	97
1260	Synthesis of the <i>Escherichia coli</i> K-12 nucleoid-associated DNA-binding protein H-NS is subjected to growth-phase control and autoregulation. <b>1993</b> , 8, 875-89	168
1259	Molecular genetic analysis of the <i>moa</i> operon of <i>Escherichia coli</i> K-12 required for molybdenum cofactor biosynthesis. <b>1993</b> , 8, 1071-81	103
1258	ATPase activity and ATP/ADP-induced conformational change in the soluble domain of the bacterial protein translocator HlyB. <b>1993</b> , 8, 1163-75	94
1257	The <i>virD4</i> gene is required for virulence while <i>virD3</i> and <i>orf5</i> are not required for virulence of <i>Agrobacterium tumefaciens</i> . <b>1993</b> , 9, 803-12	45
1256	Non-specific hole formation in the <i>Escherichia coli</i> inner membrane by $\beta$ proteins is independent of cellular <i>secY</i> and <i>secA</i> functions and of the proportion of membrane acidic phospholipids. <b>1993</b> , 107, 101-105	3
1255	Expression of human alpha 1 interferon genes in vectors containing tandemly located promoters recognized by two different RNA polymerases ( <i>Escherichia coli</i> and T7). <b>1993</b> , 108, 231-6	5

1254	Identification of the mcrC gene product in <i>Methanococcus vannielii</i> . <b>1993</b> , 111, 129-34	5
1253	Membrane location of the Ti plasmid VirB proteins involved in the biosynthesis of a pilin-like conjugative structure on <i>Agrobacterium tumefaciens</i> . <b>1993</b> , 111, 287-94	99
1252	Mutant aspartate aminotransferase (K258H) without pyridoxal-5-phosphate-binding lysine residue. Structural and catalytic properties. <b>1993</b> , 211, 475-84	24
1251	Overexpression of trypanosomal triosephosphate isomerase in <i>Escherichia coli</i> and characterisation of a dimer-interface mutant. <b>1993</b> , 211, 703-10	58
1250	Production of recombinant notechis 111 $\Delta$ L, an enzymatically active mutant of a phospholipase A2 from <i>Notechis scutatus scutatus</i> venom, as directly generated by cleavage of a fusion protein produced in <i>Escherichia coli</i> . <b>1993</b> , 212, 441-6	17
1249	Calcium binding by chick calretinin and rat calbindin D28k synthesised in bacteria. <b>1993</b> , 215, 401-10	40
1248	Characterization of the nisin gene cluster nisABTCIPR of <i>Lactococcus lactis</i> . Requirement of expression of the nisA and nisl genes for development of immunity. <b>1993</b> , 216, 281-91	420
1247	Recombinant coho salmon insulin-like growth factor I. Expression in <i>Escherichia coli</i> , purification and characterization. <b>1993</b> , 218, 205-11	27
1246	Structural characterization of a biologically active human lipocortin 1 expressed in <i>Escherichia coli</i> . <b>1993</b> , 211, 347-55	17
1245	Characterization of gene expression in recombinant <i>Escherichia coli</i> cells infected with phage lambda. <b>1993</b> , 9, 153-9	7
1244	DNA recognition by the oestrogen receptor: from solution to the crystal. <b>1993</b> , 1, 187-204	96
1243	Expression and characterization of a recombinant maize CK-2 alpha subunit. <b>1993</b> , 1173, 32-8	21
1242	Expression, purification and binding to the receptor of human insulin-like growth factor II. <b>1993</b> , 1203, 155-61	
1241	Association of the mcrD gene product with methyl coenzyme M reductase in <i>Methanococcus vannielii</i> . <b>1993</b> , 1203, 175-83	6
1240	A universal antibody-derived targeting agent. <b>1993</b> , 22, 225-42	1
1239	Association of two barley yellow mosaic virus (RNA 2) encoded proteins with cytoplasmic inclusion bodies revealed by immunogold localisation. <b>1993</b> , 173, 113-122	4
1238	Protein design by binary patterning of polar and nonpolar amino acids. <b>1993</b> , 262, 1680-5	631
1237	Affinity purification of histidine-tagged proteins. <b>1993</b> , 18, 223-30	188

1236	Structure and expression in <i>E. coli</i> of the gene coding for protein p10 of African swine fever virus. <b>1993</b> , 130, 93-107	20
1235	Cloning and sequencing of rat liver cDNAs encoding the regulatory protein of glucokinase. <b>1993</b> , 321, 111-5	22
1234	Structural study of rat thyroid transcription factor 1 homeodomain (TTF-1 HD) by nuclear magnetic resonance. <b>1993</b> , 336, 397-402	13
1233	Cloning and expression of novel isoforms of 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase from bovine heart. <b>1993</b> , 330, 329-33	13
1232	Mammalian calponin. Identification and expression of genetic variants. <b>1993</b> , 330, 13-8	106
1231	Purification of the beta product encoded by the <i>Streptococcus pyogenes</i> plasmid pSM19035. A putative DNA recombinase required to resolve plasmid oligomers. <b>1993</b> , 328, 169-73	19
1230	Variable and constant regions in the C-terminus of vinculin and metavinculin. Cloning and expression of fragments in <i>E. coli</i> . <b>1993</b> , 317, 189-94	7
1229	<i>Saccharomyces cerevisiae</i> multifunctional protein RAP1 binds to a conserved sequence in the Polyoma virus enhancer and is responsible for its transcriptional activity in yeast cells. <b>1993</b> , 323, 77-82	3
1228	Rab11, a small GTPase associated with both constitutive and regulated secretory pathways in PC12 cells. <b>1993</b> , 334, 175-82	175
1227	Design, Synthesis, and Fabrication of a Novel Self-Assembling Fibrillar Protein. <b>1993</b> , 104-117	7
1226	Molecular cloning of the branched-chain alpha-keto acid dehydrogenase kinase and the CoA-dependent methylmalonate semialdehyde dehydrogenase. <b>1993</b> , 33, 255-65	3
1225	Cloning and expression of an autoimmune DNA-binding single chain Fv. Only the heavy chain is required for binding. <b>1993</b> , 30, 833-40	34
1224	The membrane protein A5, a putative neuronal recognition molecule, promotes neurite outgrowth. <b>1993</b> , 17, 159-69	24
1223	A new cloning vector and expression strategy for genes encoding proteins toxic to <i>Escherichia coli</i> . <b>1993</b> , 127, 99-103	42
1222	Genetic analysis of a <i>Pseudomonas</i> locus encoding a pathway for biphenyl/polychlorinated biphenyl degradation. <b>1993</b> , 130, 47-55	166
1221	Improvement of downstream processing of recombinant proteins by means of genetic engineering methods. <b>1993</b> , 11, 31-77	28
1220	Efficient production of biologically active human salivary cystatins in <i>Escherichia coli</i> . <b>1993</b> , 123, 203-10	18
1219	Kinetic and spectroscopic studies of hydrophilic amino acid substitutions in the hydrophobic pocket of human carbonic anhydrase II. <b>1993</b> , 32, 4496-505	67

1218	Effects of mutations in the hinge region of serpins. <b>1993</b> , 32, 7650-7	171
1217	Mutation of monofunctional 6-phosphofructo-2-kinase in yeast to bifunctional 6-phosphofructo-2-kinase/fructose 2,6-bisphosphatase. <b>1993</b> , 32, 11143-8	14
1216	<sup>15</sup> N NMR relaxation studies of the FK506 binding protein: backbone dynamics of the uncomplexed receptor. <b>1993</b> , 32, 9000-10	63
1215	Laser flash photolysis studies of electron transfer to the cytochrome b5-cytochrome c complex. <b>1993</b> , 32, 622-7	47
1214	Translation of the mRNA of the maize transcriptional activator Opaque-2 is inhibited by upstream open reading frames present in the leader sequence. <b>1993</b> , 5, 65-73	105
1213	Synthetic gene for the hepatitis C virus nucleocapsid protein. <b>1993</b> , 21, 2747-54	9
1212	Purification and characterization of IL6-PE4E, a recombinant fusion of interleukin 6 with Pseudomonas exotoxin. <b>1993</b> , 4, 581-5	23
1211	The protein encoded by a growth arrest-specific gene (gas6) is a new member of the vitamin K-dependent proteins related to protein S, a negative coregulator in the blood coagulation cascade. <b>1993</b> , 13, 4976-85	502
1210	A T7 RNA polymerase-based system for the construction of Pseudomonas strains with phenotypes dependent on TOL-meta pathway effectors. <b>1993</b> , 134, 103-6	33
1209	A phage T7 class-III promoter functions as a polymerase II promoter in mammalian cells. <b>1993</b> , 131, 255-9	17
1208	Archaeal rRNA Operons, Intron Splicing and Homing Endonucleases, RNA Polymerase Operons and Phylogeny. <b>1993</b> , 16, 680-691	13
1207	Cloning and sequencing of the Klebsiella pneumoniae tonB gene and characterization of Escherichia coli-K. pneumoniae TonB hybrid proteins. <b>1993</b> , 131, 9-16	16
1206	Cloning and expression in Escherichia coli of the cDNA encoding human cardiac troponin I. <b>1993</b> , 131, 287-92	6
1205	High-level expression in Escherichia coli of the gene coding for the major structural protein (p72) of African swine fever virus. <b>1993</b> , 123, 259-62	9
1204	Diphthamide synthesis in Saccharomyces cerevisiae: structure of the DPH2 gene. <b>1993</b> , 132, 149-54	34
1203	Cloning, expression and characterisation of the cDNA encoding human hepatic squalene synthase, and its relationship to phytoene synthase. <b>1993</b> , 136, 185-92	47
1202	Cloning and expression of a mouse cDNA encoding p59, an immunophilin that associates with the glucocorticoid receptor. <b>1993</b> , 132, 267-71	22
1201	Synthesis of two bacteriophage lambda S proteins in an in vivo system. <b>1993</b> , 133, 9-16	15



1200 Synthesis and Processing of Archaeal Ribosomal RNA in E. coli Cells. **1993**, 16, 706-711

1199 Cytoplasmic and periplasmic production of human apolipoprotein E in Escherichia coli using natural and bacterial signal peptides. **1993**, 125, 223-8 13

1198 A revised strategy for cloning antibody gene fragments in bacteria. **1993**, 128, 111-7 21

1197 Evidence for the role of human immunodeficiency virus type 1 Nef protein as a growth inhibitor to CD4+ T lymphocytes and for the blocking of the Nef function by anti-Nef antibodies. **1993**, 11, 837-47 23

1196 The VP16 accessory protein HCF is a family of polypeptides processed from a large precursor protein. **1993**, 74, 115-25 228

1195 A multisubunit complex associated with the RNA polymerase II CTD and TATA-binding protein in yeast. **1993**, 73, 1361-75 414

1194 Anaphase is initiated by proteolysis rather than by the inactivation of maturation-promoting factor. **1993**, 73, 1393-402 536

1193 Drosophila TAFII40 interacts with both a VP16 activation domain and the basal transcription factor TFIIB. **1993**, 75, 519-30 399

1192 A bacteriophage T7-based expression vector, pBT7, with color selection for the recombinant. **1993**, 131, 79-82 2

1191 cDNA cloning and transcriptional properties of a novel GC box-binding protein, BTEB2. **1993**, 21, 1527-32 183

1190 Activation of the human immunodeficiency virus type 1 long terminal repeat by BTEB, a GC box-binding transcription factor. **1993**, 9, 825-31 9

1189 Role of the sigma 70 subunit of RNA polymerase in transcriptional activation by activator protein PhoB in Escherichia coli. **1993**, 7, 149-60 132

1188 Secondary structure creates mismatched base pairs required for high-affinity binding of cAMP response element-binding protein to the human enkephalin enhancer. **1993**, 90, 4606-10 45

1187 Gene 5.5 protein of bacteriophage T7 inhibits the nucleoid protein H-NS of Escherichia coli. **1993**, 90, 1761-5 70

1186 The eukaryotic host factor that activates exoenzyme S of Pseudomonas aeruginosa is a member of the 14-3-3 protein family. **1993**, 90, 2320-4 249

1185 Alanine scanning mutagenesis of a plant virus movement protein identifies three functional domains. **1993**, 5, 973-82 88

1184 Human endogenous retroviral element K10 (HERV-K10) encodes a full-length gag homologous 73-kDa protein and a functional protease. **1993**, 9, 343-50 82

1183 MsERK1: a mitogen-activated protein kinase from a flowering plant. **1993**, 5, 87-96 117

1182	A novel tertiary interaction in M1 RNA, the catalytic subunit of Escherichia coli RNase P. <b>1993</b> , 21, 3927-33	36
1181	Cloning, expression, and crystallization of jack bean ( <i>Canavalia ensiformis</i> ) canavalin. <b>1993</b> , 101, 713-28	37
1180	Processing of recombination intermediates by the RecG and RuvAB proteins of Escherichia coli. <b>1993</b> , 21, 1719-25	125
1179	Functional studies of truncated soluble intercellular adhesion molecule 1 expressed in Escherichia coli. <b>1993</b> , 37, 1278-84	18
1178	Activation of a dual adenovirus promoter containing nonconsensus TATA motifs in <i>Schizosaccharomyces pombe</i> : role of TATA sequences in the efficiency of transcription. <b>1993</b> , 21, 2737-46	14
1177	Do heat shock proteins play a role in Graves' disease? Heat shock protein-specific T-cells from Graves' disease thyroids do not recognize thyroid epithelial cells. <b>1993</b> , 77, 528-35	11
1176	Translation of the mRNA of the Maize Transcriptional Activator Opaque-2 Is Inhibited by Upstream Open Reading Frames Present in the Leader Sequence. <b>1993</b> , 5, 65	13
1175	MsERK1: A Mitogen-Activated Protein Kinase from a Flowering Plant. <b>1993</b> , 5, 87	15
1174	Overproduction of proteins using expression-cassette polymerase chain reaction. <b>1993</b> , 217, 79-102	20
1173	Glucokinase mutations associated with non-insulin-dependent (type 2) diabetes mellitus have decreased enzymatic activity: implications for structure/function relationships. <b>1993</b> , 90, 1932-6	195
1172	cDNA analysis of the 49 kDa lens fiber cell cytoskeletal protein: a new, lens-specific member of the intermediate filament family?. <b>1993</b> , 12, 77-88	64
1171	Localization of a single-stranded RNA-binding domain in the movement protein of red clover necrotic mosaic dianthovirus. <b>1993</b> , 74 ( Pt 11), 2453-7	20
1170	Different TBP-associated factors are required for mediating the stimulation of transcription in vitro by the acidic transactivator GAL-VP16 and the two nonacidic activation functions of the estrogen receptor. <b>1993</b> , 21, 5-12	81
1169	Negative regulation of mitosis by the fission yeast protein phosphatase ppa2. <b>1993</b> , 7, 1059-71	112
1168	The rod domain of NF-L determines neurofilament architecture, whereas the end domains specify filament assembly and network formation. <b>1993</b> , 123, 1517-33	144
1167	Isolation of cDNAs encoding the <i>Drosophila</i> GAGA transcription factor. <b>1993</b> , 13, 7961-70	144
1166	Cooperative interactions between the <i>Caenorhabditis elegans</i> homeoproteins UNC-86 and MEC-3. <b>1993</b> , 261, 1324-8	191
1165	Molecular basis for specific recognition of both RNA and DNA by a zinc finger protein. <b>1993</b> , 260, 530-3	126

1164	R2D5 antigen: a calcium-binding phosphoprotein predominantly expressed in olfactory receptor neurons. <b>1993</b> , 123, 963-76	20
1163	Regulation of <i>Saccharomyces cerevisiae</i> CDC7 function during the cell cycle. <b>1993</b> , 4, 195-208	70
1162	Single exchanges of amino acids in the basic region change the specificity of N-Myc. <b>1993</b> , 21, 5050-8	8
1161	Isolation and characterization of the fission yeast protein phosphatase gene <i>ppe1+</i> involved in cell shape control and mitosis. <b>1993</b> , 4, 303-13	76
1160	Structural and functional properties of ribosomal protein L7 from humans and rodents. <b>1993</b> , 21, 223-31	69
1159	Saturation mutagenesis of the human interleukin 6 receptor-binding site: implications for its three-dimensional structure. <b>1993</b> , 90, 4067-71	71
1158	A recombinant immunotoxin that is active on prostate cancer cells and that is composed of the Fv region of monoclonal antibody PR1 and a truncated form of <i>Pseudomonas</i> exotoxin. <b>1993</b> , 90, 547-51	28
1157	Defining a minimal estrogen receptor DNA binding domain. <b>1993</b> , 21, 1125-32	108
1156	A mitotic role for a novel fission yeast protein kinase <i>dsk1</i> with cell cycle stage dependent phosphorylation and localization. <b>1993</b> , 4, 247-60	74
1155	Effect of the non-conserved N-terminus on the DNA binding activity of the yeast TATA binding protein. <b>1993</b> , 21, 1789-96	51
1154	Dimerization specificity of the leucine zipper-containing bZIP motif on DNA binding: prediction and rational design. <b>1993</b> , 7, 1047-58	269
1153	In <i>Xenopus laevis</i> , the product of a developmentally regulated mRNA is structurally and functionally homologous to a <i>Saccharomyces cerevisiae</i> protein involved in translation fidelity. <b>1993</b> , 13, 2815-21	38
1152	The DAL82 protein of <i>Saccharomyces cerevisiae</i> binds to the DAL upstream induction sequence (UIS). <b>1993</b> , 21, 3777-84	31
1151	The biochemical defects of <i>prp4-1</i> and <i>prp6-1</i> yeast splicing mutants reveal that the PRP6 protein is required for the accumulation of the [U4/U6.U5] tri-snRNP. <b>1993</b> , 21, 1555-62	47
1150	Human keratinocyte growth factor effects in a porcine model of epidermal wound healing. <b>1993</b> , 178, 865-78	177
1149	The activity of the <i>Escherichia coli</i> transcription factor FNR is regulated by a change in oligomeric state. <b>1993</b> , 7, 1993-2005	134
1148	Characterization of the cellulose-binding domain of the <i>Clostridium cellulovorans</i> cellulose-binding protein A. <b>1993</b> , 175, 5762-8	145
1147	Lipoic acid metabolism in <i>Escherichia coli</i> : sequencing and functional characterization of the <i>lipA</i> and <i>lipB</i> genes. <b>1993</b> , 175, 1325-36	111

1146	Interaction between the <i>Chlamydia trachomatis</i> histone H1-like protein (Hc1) and DNA. <b>1993</b> , 175, 1785-95	37
1145	Regulation of sigma B levels and activity in <i>Bacillus subtilis</i> . <b>1993</b> , 175, 2347-56	117
1144	Evolution of bacteriophage T7 in a growing plaque. <b>1993</b> , 175, 1272-7	65
1143	Molecular analysis of the <i>phoH</i> gene, belonging to the phosphate regulon in <i>Escherichia coli</i> . <b>1993</b> , 175, 1316-24	82
1142	The <i>Escherichia coli</i> heat shock gene <i>htpY</i> : mutational analysis, cloning, sequencing, and transcriptional regulation. <b>1993</b> , 175, 2613-24	51
1141	Mycobacteriophage L5 integrase-mediated site-specific integration in vitro. <b>1993</b> , 175, 6836-41	58
1140	Analysis of the Ros repressor of <i>Agrobacterium virC</i> and <i>virD</i> operons: molecular intercommunication between plasmid and chromosomal genes. <b>1993</b> , 175, 3486-90	35
1139	Vector pPLEX for expression of nonfusion polypeptides in <i>Escherichia coli</i> . <b>1993</b> , 217, 3-11	
1138	Cationic liposome-mediated RNA transfection. <b>1993</b> , 217, 644-54	25
1137	Protein D, a putative immunoglobulin D-binding protein produced by <i>Haemophilus influenzae</i> , is glycerophosphodiester phosphodiesterase. <b>1993</b> , 175, 4569-71	51
1136	The missing link in phage lysis of gram-positive bacteria: gene 14 of <i>Bacillus subtilis</i> phage phi 29 encodes the functional homolog of lambda S protein. <b>1993</b> , 175, 1038-42	60
1135	A recombinant form of <i>Pseudomonas</i> exotoxin A containing transforming growth factor alpha near its carboxyl terminus for the treatment of bladder cancer. <b>1993</b> , 149, 1626-32	25
1134	Expression and characterization of rat kallikrein-binding protein in <i>Escherichia coli</i> . <b>1993</b> , 292 ( Pt 3), 825-32	9
1133	Abundant bacterial expression and reconstitution of an intrinsic membrane-transport protein from bovine mitochondria. <b>1993</b> , 294 ( Pt 1), 293-9	186
1132	The product of the <i>hypB</i> gene, which is required for nickel incorporation into hydrogenases, is a novel guanine nucleotide-binding protein. <b>1993</b> , 175, 630-5	178
1131	Characterization of the <i>Lactococcus lactis</i> nisin A operon genes <i>nisP</i> , encoding a subtilisin-like serine protease involved in precursor processing, and <i>nisR</i> , encoding a regulatory protein involved in nisin biosynthesis. <b>1993</b> , 175, 2578-88	263
1130	The calcium-binding protein cell division cycle 31 of <i>Saccharomyces cerevisiae</i> is a component of the half bridge of the spindle pole body. <b>1993</b> , 123, 405-16	155
1129	Induction of liver alpha-1 acid glycoprotein gene expression involves both positive and negative transcription factors. <b>1993</b> , 13, 432-42	36

1128	Transcriptional control of the chicken cardiac myosin light-chain gene is mediated by two AT-rich cis-acting DNA elements and binding of serum response factor. <b>1993</b> , 13, 6907-18	28
1127	Cooperative binding at a distance by even-skipped protein correlates with repression and suggests a mechanism of silencing. <b>1993</b> , 13, 2742-52	60
1126	A human mitochondrial ATP-dependent protease that is highly homologous to bacterial Lon protease. <b>1993</b> , 90, 11247-51	171
1125	Identification and characterization of the Escherichia coli gene dsbB, whose product is involved in the formation of disulfide bonds in vivo. <b>1993</b> , 90, 7084-8	218
1124	Eukaryotic cytosolic chaperonin contains t-complex polypeptide 1 and seven related subunits. <b>1993</b> , 90, 11975-9	116
1123	Role of intermolecular/intrastructural B- and T-cell determinants in the diversification of autoantibodies to ribonucleoprotein particles. <b>1993</b> , 90, 12010-4	101
1122	Mouse heat shock transcription factors 1 and 2 prefer a trimeric binding site but interact differently with the HSP70 heat shock element. <b>1993</b> , 13, 3370-83	99
1121	A cellular factor stimulates the DNA-binding activity of MyoD and E47. <b>1993</b> , 90, 6483-7	30
1120	A stationary-phase protein of Escherichia coli that affects the mode of association between the trp repressor protein and operator-bearing DNA. <b>1993</b> , 90, 5796-800	72
1119	Analysis of the SWI4/SWI6 protein complex, which directs G1/S-specific transcription in Saccharomyces cerevisiae. <b>1993</b> , 13, 1069-77	97
1118	Expression, purification, and characterization of the Drosophila kinesin motor domain produced in Escherichia coli. <b>1993</b> , 32, 4677-84	85
1117	Evidence that the 60-kDa protein of 17S U2 small nuclear ribonucleoprotein is immunologically and functionally related to the yeast PRP9 splicing factor and is required for the efficient formation of prespliceosomes. <b>1993</b> , 90, 8229-33	59
1116	Selective amplification of additional members of the ADP-ribosylation factor (ARF) family: cloning of additional human and Drosophila ARF-like genes. <b>1993</b> , 90, 8952-6	123
1115	Fascin, an echinoid actin-bundling protein, is a homolog of the Drosophila singed gene product. <b>1993</b> , 90, 9115-9	84
1114	Activity of purified NIFA, a transcriptional activator of nitrogen fixation genes. <b>1993</b> , 90, 2266-70	82
1113	DNA-binding specificity of GATA family transcription factors. <b>1993</b> , 13, 3999-4010	581
1112	The backbone structure of the major cold-shock protein CS7.4 of Escherichia coli in solution includes extensive beta-sheet structure. <b>1993</b> , 114, 663-9	36
1111	A bifunctional protein in the folate biosynthetic pathway of Streptococcus pneumoniae with dihydroneopterin aldolase and hydroxymethyldihydropterin pyrophosphokinase activities. <b>1993</b> , 175, 2214-20	34

1110	The pilG gene product, required for <i>Pseudomonas aeruginosa</i> pilus production and twitching motility, is homologous to the enteric, single-domain response regulator CheY. <b>1993</b> , 175, 5934-44	111
1109	Rab9 functions in transport between late endosomes and the trans Golgi network.. <b>1993</b> , 12, 677-682	395
1108	Characterization of 2,2,8-trihydroxybiphenyl dioxygenase, an extradiol dioxygenase from the dibenzofuran- and dibenzo-p-dioxin-degrading bacterium <i>Sphingomonas</i> sp. strain RW1. <b>1993</b> , 175, 7313-20	87
1107	Ribosomal protein L6: structural evidence of gene duplication from a primitive RNA binding protein.. <b>1993</b> , 12, 4901-4908	63
1106	Yeast Wbp1p and Swp1p form a protein complex essential for oligosaccharyl transferase activity.. <b>1993</b> , 12, 279-284	94
1105	A novel multicopy suppressor of a groEL mutation includes two nested open reading frames transcribed from different promoters.. <b>1993</b> , 12, 889-896	28
1104	The C-terminal helix in subdomain 4 of the regulatory light chain is essential for myosin regulation.. <b>1993</b> , 12, 4877-4884	16
1103	Isoprenylation of the plant molecular chaperone ANJ1 facilitates membrane association and function at high temperature. <b>1993</b> , 90, 8557-61	75
1102	Role of the carboxyl-terminal domain of TolA in protein import and integrity of the outer membrane. <b>1993</b> , 175, 222-8	70
1101	A method for selection of mutations at the tdk locus in <i>Escherichia coli</i> . <b>1993</b> , 175, 6049-51	17
1100	moaR, a gene that encodes a positive regulator of the monoamine regulon in <i>Klebsiella aerogenes</i> . <b>1993</b> , 175, 6287-92	15
1099	A cytoplasmic protein, NfrC, is required for bacteriophage N4 adsorption. <b>1993</b> , 175, 7074-80	28
1098	Expression and purification of the cynR regulatory gene product: CynR is a DNA-binding protein. <b>1993</b> , 175, 7990-9	3
1097	Related chromosome binding sites for zeste, suppressors of zeste and Polycomb group proteins in <i>Drosophila</i> and their dependence on Enhancer of zeste function.. <b>1993</b> , 12, 1513-1522	240
1096	Genetic analysis of the leucine heptad repeats of Lac repressor: evidence for a 4-helical bundle.. <b>1993</b> , 12, 3227-3236	66
1095	Identification of residues in the human DNA repair enzyme HAP1 (Ref-1) that are essential for redox regulation of Jun DNA binding. <b>1993</b> , 13, 5370-6	248
1094	Expression analysis of cloned chromosomal segments of <i>Escherichia coli</i> . <b>1993</b> , 175, 5145-52	27
1093	Distinct TFIID complexes mediate the effect of different transcriptional activators.. <b>1993</b> , 12, 489-499	126

1092	The beta 1 and beta 2 subunits of the AP complexes are the clathrin coat assembly components.. <b>1993</b> , 12, 5237-5244	109
1091	Double helicase II (uvrD)-helicase IV (helD) deletion mutants are defective in the recombination pathways of Escherichia coli. <b>1993</b> , 175, 4641-51	61
1090	kil-kor regulon of promiscuous plasmid RK2: structure, products, and regulation of two operons that constitute the kilE locus. <b>1993</b> , 175, 5078-90	23
1089	Cloning, sequencing, and expression of the DNA gyrase genes from Staphylococcus aureus. <b>1993</b> , 175, 3269-77	36
1088	Effects of consecutive AGG codons on translation in Escherichia coli, demonstrated with a versatile codon test system. <b>1993</b> , 175, 716-22	164
1087	Molecular characterization of the Enterobacter aerogenes tonB gene: identification of a novel type of tonB box suppressor mutant. <b>1993</b> , 175, 6158-68	21
1086	Cell-type-specific mechanisms of transcriptional repression by the homeotic gene products UBX and ABD-A in Drosophila embryos.. <b>1993</b> , 12, 1099-1109	46
1085	The asiA gene of bacteriophage T4 codes for the anti-sigma 70 protein. <b>1993</b> , 175, 85-93	68
1084	Membrane topology model of Escherichia coli alpha-ketoglutarate permease by phoA fusion analysis. <b>1993</b> , 175, 565-7	30
1083	Several extracellular domains of the neural cell adhesion molecule L1 are involved in neurite outgrowth and cell body adhesion. <b>1993</b> , 13, 4764-75	107
1082	DNA target selectivity by the vitamin D3 receptor: mechanism of dimer binding to an asymmetric repeat element. <b>1993</b> , 90, 6310-4	94
1081	Temperature sensing in Yersinia pestis: translation of the LcrF activator protein is thermally regulated. <b>1993</b> , 175, 7901-9	174
1080	The heat shock cognate protein from Dictyostelium affects actin polymerization through interaction with the actin-binding protein cap32/34.. <b>1993</b> , 12, 3763-3771	45
1079	Stepwise assembly of hyperaggregated forms of Drosophila zeste mutant protein suppresses white gene expression in vivo.. <b>1993</b> , 12, 2061-2073	20
1078	Dissociation of synthetic Holliday junctions by E. coli RecG protein.. <b>1993</b> , 12, 17-22	141
1077	Alterations of highly conserved residues in the regulatory domain of nitrogen regulator I (NtrC) of Escherichia coli. <b>1993</b> , 175, 2692-701	59
1076	Cloning, nucleotide sequence, and expression of the Bacillus subtilis lon gene. <b>1994</b> , 176, 6518-27	89
1075	Crystal structure of prokaryotic ribosomal protein L9: a bi-lobed RNA-binding protein.. <b>1994</b> , 13, 205-212	86

1074	Generation of interleukin-6 receptor antagonists by molecular-modeling guided mutagenesis of residues important for gp130 activation.. <b>1994</b> , 13, 1357-1367	93
1073	Conjugative transposition: Tn916 integrase contains two independent DNA binding domains that recognize different DNA sequences.. <b>1994</b> , 13, 1541-1548	43
1072	Processing of intermediates in recombination and DNA repair: identification of a new endonuclease that specifically cleaves Holliday junctions.. <b>1994</b> , 13, 6133-6142	92
1071	A thermodynamic scale for leucine zipper stability and dimerization specificity: e and g interhelical interactions.. <b>1994</b> , 13, 2849-2861	216
1070	Electron transfer from plastocyanin to photosystem I.. <b>1994</b> , 13, 1028-1038	115
1069	Rational design of a receptor super-antagonist of human interleukin-6.. <b>1994</b> , 13, 5863-5870	102
1068	Purification and in vitro activities of the native nitrogen fixation control proteins NifA and NifL. <b>1994</b> , 176, 3460-5	76
1067	A new type of NtrC transcriptional activator. <b>1994</b> , 176, 6175-87	45
1066	A plasmid-encoded prepilin peptidase gene from enteropathogenic Escherichia coli. <b>1994</b> , 176, 6885-91	55
1065	Identification of the iroA gene product of Neisseria meningitidis as a lactoferrin receptor. <b>1994</b> , 176, 1764-6	47
1064	Analysis of the binding site of the LysR-type transcriptional activator TcbR on the tcbR and tcbC divergent promoter sequences. <b>1994</b> , 176, 1850-6	21
1063	Rhizobium meliloti NodP and NodQ form a multifunctional sulfate-activating complex requiring GTP for activity. <b>1994</b> , 176, 7055-64	76
1062	Acetoin catabolic system of Klebsiella pneumoniae CG43: sequence, expression, and organization of the aco operon. <b>1994</b> , 176, 3527-35	20
1061	The mannitol repressor (MtlR) of Escherichia coli. <b>1994</b> , 176, 840-7	24
1060	Regulation of branched-chain amino acid catabolism. <b>1994</b> , 124, 1499S-1502S	28
1059	Casein kinase II specifically nucleotidylates in vitro the amino acid sequence of the protein encoded by the alpha 22 gene of herpes simplex virus 1. <b>1994</b> , 91, 11864-8	33
1058	Molecular and functional characterization of the Salmonella typhimurium invasion genes invB and invC: homology of InvC to the F0F1 ATPase family of proteins. <b>1994</b> , 176, 4501-10	148
1057	The nature of the traK4 mutation in the F sex factor of Escherichia coli. <b>1994</b> , 176, 1924-31	4



1056	Mutation analysis of the cellulose-binding domain of the Clostridium cellulovorans cellulose-binding protein A. <b>1994</b> , 176, 7328-34	18
1055	Structure, expression, and regulation of the kilC operon of promiscuous IncP alpha plasmids. <b>1994</b> , 176, 5022-32	39
1054	Serological Responses of Patients with Nasopharyngeal Carcinoma to an N-Terminal Epstein-Barr Virus DNA Polymerase Protein Expressed in Prokaryotic Cells. <b>1994</b> , 1, 119-124	
1053	Molecular cloning and characterization of a novel human sperm antigen (HE2) specifically expressed in the proximal epididymis. <b>1994</b> , 50, 516-25	63
1052	Functional oligomerization of purified human papillomavirus types 16 and 6b E7 proteins expressed in Escherichia coli. <b>1994</b> , 75 ( Pt 2), 277-81	7
1051	Making a connection: direct binding between keratin intermediate filaments and desmosomal proteins. <b>1994</b> , 127, 1049-60	247
1050	A novel cysteine-rich sequence-specific DNA-binding protein interacts with the conserved X-box motif of the human major histocompatibility complex class II genes via a repeated Cys-His domain and functions as a transcriptional repressor. <b>1994</b> , 180, 1763-74	73
1049	A role for autophosphorylation revealed by activated alleles of FUS3, the yeast MAP kinase homolog. <b>1994</b> , 5, 297-312	64
1048	Pokeweed antiviral protein (PAP) mutations which permit E.coli growth do not eliminate catalytic activity towards prokaryotic ribosomes. <b>1994</b> , 22, 1536-40	24
1047	Genetic approaches designed to minimize cytotoxicity of retroviral protease. <b>1994</b> , 241, 16-29	10
1046	Identification of I-plastin, a human fimbrin isoform expressed in intestine and kidney. <b>1994</b> , 14, 2457-67	84
1045	Diploidy of Drosophila imaginal cells is maintained by a transcriptional repressor encoded by escargot. <b>1994</b> , 8, 2270-81	103
1044	Nucleic acid-binding properties of the P1 protein of turnip mosaic potyvirus produced in Escherichia coli. <b>1994</b> , 75 ( Pt 10), 2567-73	34
1043	Purification of E. coli-synthesized Pan proteins and development of a Pan-specific monoclonal antibody. <b>1994</b> , 13, 191-7	2
1042	Nuclear import of Agrobacterium VirD2 and VirE2 proteins in maize and tobacco. <b>1994</b> , 91, 3210-4	109
1041	Differential activation of CREB by Ca <sup>2+</sup> /calmodulin-dependent protein kinases type II and type IV involves phosphorylation of a site that negatively regulates activity. <b>1994</b> , 8, 2527-39	642
1040	Construction of a Translation Enhancer-Containing Vector for Gene Expression in a Prokaryotic Two-Cistron System. <b>1994</b> , 13, 599-605	
1039	Bypassing anaphase by fission yeast cut9 mutation: requirement of cut9+ to initiate anaphase. <b>1994</b> , 127, 1655-70	94

1038	Design, creation, and characterization of a stable, monomeric triosephosphate isomerase. <b>1994</b> , 91, 1515-8	108
1037	Escherichia coli proteins, including ribosomal protein S12, facilitate in vitro splicing of phage T4 introns by acting as RNA chaperones. <b>1994</b> , 8, 1575-88	128
1036	Crystal structure of transcription factor E47: E-box recognition by a basic region helix-loop-helix dimer. <b>1994</b> , 8, 970-80	332
1035	T7 RNA polymerase-dependent expression of COXII in yeast mitochondria. <b>1994</b> , 14, 4643-52	37
1034	An RNA-protein contact determined by 5-bromouridine substitution, photocrosslinking and sequencing. <b>1994</b> , 22, 4947-52	49
1033	The use of a tRNA as a transcriptional reporter: the T7 late promoter is extremely efficient in Escherichia coli but its transcripts are poorly expressed. <b>1994</b> , 22, 1186-93	48
1032	Identification of the DNA-binding domains of the switch-activating-protein Sap1 from S.pombe by random point mutations screening in E.coli. <b>1994</b> , 22, 2930-7	9
1031	Restricted expression of a zinc finger protein in male germ cells. <b>1994</b> , 13, 157-65	7
1030	Analysis of the involvement of ocs-like bZip-binding elements in the differential strength of the bidirectional mas1 promoter. <b>1994</b> , 105, 259-68	22
1029	Sequence-specific DNA recognition by the thyroid transcription factor-1 homeodomain. <b>1994</b> , 22, 3075-83	110
1028	Beta-centractin: characterization and distribution of a new member of the contractin family of actin-related proteins. <b>1994</b> , 5, 1301-10	39
1027	A mutation in helicase motif III of E. coli RecG protein abolishes branch migration of Holliday junctions. <b>1994</b> , 22, 308-13	33
1026	Molecular and genetic characterization of GABP beta. <b>1994</b> , 8, 1853-65	70
1025	Ribosomal heterogeneity from chromatin diminution in Ascaris lumbricoides. <b>1994</b> , 265, 954-6	48
1024	Identification of cut8+ and cek1+, a novel protein kinase gene, which complement a fission yeast mutation that blocks anaphase. <b>1994</b> , 14, 6361-71	34
1023	The Drosophila orb RNA-binding protein is required for the formation of the egg chamber and establishment of polarity. <b>1994</b> , 8, 598-613	253
1022	Psoriasin binds calcium and is upregulated by calcium to levels that resemble those observed in normal skin. <b>1994</b> , 103, 370-5	72
1021	Expression of fibronectin fragments in E. coli. <b>1994</b> , 16, 235-238	

1020	Functional analysis of a leucine aminopeptidase from <i>Solatum tuberosum</i> L.. <b>1994</b> , 194, 230	2
1019	Molecular cloning and biochemical characterization of a receptor-like serine/threonine kinase from rice. <b>1994</b> , 26, 791-803	16
1018	Expression in <i>Escherichia coli</i> of a clavaminic acid synthase isozyme: A trifunctional oxygenase involved in clavulanic acid biosynthesis. <b>1994</b> , 50, 8737-8748	19
1017	Crystal structure of recombinant human triosephosphate isomerase at 2.8 A resolution. Triosephosphate isomerase-related human genetic disorders and comparison with the trypanosomal enzyme. <b>1994</b> , 3, 810-21	101
1016	Stability and peptide binding affinity of an SH3 domain from the <i>Caenorhabditis elegans</i> signaling protein Sem-5. <b>1994</b> , 3, 1261-6	59
1015	bHLH proteins encoded by the Enhancer of split complex of <i>Drosophila</i> negatively interfere with transcriptional activation mediated by proneural genes. <b>1994</b> , 244, 465-73	105
1014	Functional analysis of a leucine aminopeptidase from <i>Solanum tuberosum</i> L.. <b>1994</b> , 194, 230-240	40
1013	The making of the minibody: an engineered beta-protein for the display of conformationally constrained peptides. <b>1994</b> , 7, 9-24	27
1012	Molecular cloning and expression of a cDNA encoding a protein detected by the K1 antibody from an ovarian carcinoma (OVCAR-3) cell line. <b>1994</b> , 57, 90-7	43
1011	Interleukin-4 receptors expressed on tumor cells may serve as a target for anticancer therapy using chimeric <i>Pseudomonas</i> exotoxin. <b>1994</b> , 58, 744-8	18
1010	Autoantibodies against the Hel-N1 RNA-binding protein among patients with lung carcinoma: an association with type I anti-neuronal nuclear antibodies. <b>1994</b> , 36, 200-5	41
1009	Advances in heterologous gene expression by <i>Streptomyces</i> . <b>1994</b> , 5, 475-81	11
1008	Physiological, biochemical and molecular processes associated with gravitropism in roots of maize. <b>1994</b> , 14, 331-40	
1007	Green fluorescent protein as a marker for gene expression. <b>1994</b> , 263, 802-5	5579
1006	The role of dityrosine formation in the crosslinking of CUT-2, the product of a second cuticlin gene of <i>Caenorhabditis elegans</i> . <b>1994</b> , 65, 147-59	36
1005	Molecular characterization of the alpha-subunit of <i>Trichomonas vaginalis</i> hydrogenosomal succinyl CoA synthetase. <b>1994</b> , 66, 309-18	64
1004	Sequence and expression of LRR47, a novel embryonic leucine rich repeat protein of <i>Drosophila</i> . <b>1994</b> , 1218, 181-6	3
1003	Cloning and characterization of a major allergen of the house dust mite, <i>Dermatophagoides pteronyssinus</i> , homologous with glutathione S-transferase. <b>1994</b> , 1219, 521-8	53

1002	Utilization of copper ion as a ribonuclease inhibitor in a cell-free protein synthesis system. <b>1994</b> , 78, 130-133	9
1001	Serological Responses of Patients with Nasopharyngeal Carcinoma to an N-Terminal Epstein-Barr Virus DNA Polymerase Protein Expressed in Prokaryotic Cells. <b>1994</b> , 1, 119-124	1
1000	Efficient production of active and mutated ADP-ribosyltransferase (S1) of pertussis toxin using affinity expression cassette polymerase chain reaction. <b>1994</b> , 8, 197-206	2
999	Stabilization of the phosphorylated form of Bacillus Subtilis DegU caused by degU9 mutation. <b>1994</b> , 115, 93-6	4
998	Low-copy-number T7 vectors for selective gene expression and efficient protein overproduction in Escherichia coli. <b>1994</b> , 123, 19-26	30
997	Recombinant proteins can be isolated from E. coli cells by repeated cycles of freezing and thawing. <b>1994</b> , 12, 1357-60	136
996	Measurement of the beta-sheet-forming propensities of amino acids. <b>1994</b> , 367, 660-3	544
995	Interaction between two homeodomain proteins is specified by a short C-terminal tail. <b>1994</b> , 371, 429-32	61
994	mRNAs can be stabilized by DEAD-box proteins. <b>1994</b> , 372, 193-6	114
993	Single-chain antibody variable region-targeted interleukin-2 stimulates T cell killing of human colorectal carcinoma cells. <b>1994</b> , 72, 275-85	8
992	Structure of the N-terminal SH3 domain of GRB2 complexed with a peptide from the guanine nucleotide releasing factor Sos. <b>1994</b> , 1, 891-7	88
991	Interaction of the Chlamydia trachomatis histone H1-like protein (Hc1) with DNA and RNA causes repression of transcription and translation in vitro. <b>1994</b> , 11, 1085-98	29
990	A dominant mutation in the bacteriophage lambda S gene causes premature lysis and an absolute defective plating phenotype. <b>1994</b> , 13, 495-504	42
989	Lytic conversion of Escherichia coli by bacteriophage T5: blocking of the FhuA receptor protein by a lipoprotein expressed early during infection. <b>1994</b> , 12, 321-32	29
988	Successive action of Escherichia coli chaperones in vivo. <b>1994</b> , 14, 861-9	48
987	Characterization of a Pseudomonas aeruginosa gene cluster involved in pilus biosynthesis and twitching motility: sequence similarity to the chemotaxis proteins of enterics and the gliding bacterium Myxococcus xanthus. <b>1994</b> , 11, 137-53	174
986	The Salmonella typhimurium invasion genes invF and invG encode homologues of the AraC and PulD family of proteins. <b>1994</b> , 13, 555-68	266
985	Specific initiation of transcription at a cyanobacterial promoter with RNA polymerase purified from Calothrix sp. PCC 7601. <b>1994</b> , 13, 887-96	12

984	The pilE gene product of <i>Pseudomonas aeruginosa</i> , required for pilus biogenesis, shares amino acid sequence identity with the N-termini of type 4 prepilin proteins. <b>1994</b> , 13, 973-85	62
983	Identification of a novel sugar-H <sup>+</sup> symport protein, FucP, for transport of L-fucose into <i>Escherichia coli</i> . <b>1994</b> , 12, 799-809	37
982	<i>Klebsiella pneumoniae</i> genes for citrate lyase and citrate lyase ligase: localization, sequencing, and expression. <b>1994</b> , 14, 347-56	74
981	Crystal structures of cellular retinoic acid binding proteins I and II in complex with all-trans-retinoic acid and a synthetic retinoid. <b>1994</b> , 2, 1241-58	208
980	Cloning and expression of a <i>Xenopus</i> liver cDNA encoding a fructose-phosphate-insensitive regulatory protein of glucokinase. <b>1994</b> , 225, 43-51	23
979	Purification, properties and structural aspects of a thermoacidophilic alpha-amylase from <i>Alicyclobacillus acidocaldarius</i> atcc 27009. Insight into acidostability of proteins. <b>1994</b> , 226, 981-91	58
978	Overexpression of human cardiac troponin-I and troponin-C in <i>Escherichia coli</i> and their purification and characterisation. Two point mutations allow high-level expression of troponin-I. <b>1994</b> , 225, 1195-201	26
977	The interaction of DNA with the DNA-binding domain encoded by the <i>Drosophila</i> gene fork head. <b>1994</b> , 223, 329-37	32
976	Interaction of <i>Serratia marcescens</i> hemolysin (ShIA) with artificial and erythrocyte membranes. Demonstration of the formation of aqueous multistate channels. <b>1994</b> , 223, 655-63	21
975	<i>Drosophila</i> Jun mediates Ras-dependent photoreceptor determination. <b>1994</b> , 78, 973-86	90
974	The role of specific protein-RNA and protein-protein interactions in positive and negative control of pre-mRNA splicing by Transformer 2. <b>1994</b> , 76, 735-46	172
973	Expression and kinetic characterization of barley chymotrypsin inhibitors 1a and 1b. <b>1994</b> , 1222, 179-86	7
972	Determination of the three-dimensional structure of margatoxin by 1H, 13C, 15N triple-resonance nuclear magnetic resonance spectroscopy. <b>1994</b> , 33, 15061-70	74
971	Purification and characterization of three inhibitors of voltage-dependent K <sup>+</sup> channels from <i>Leiurus quinquestriatus</i> var. <i>hebraeus</i> venom. <b>1994</b> , 33, 6834-9	243
970	Recombinant alpha 2M receptor binding domain binds to the alpha 2M receptor with high affinity. <b>1994</b> , 737, 480-2	3
969	A new T7 RNA polymerase-driven expression system induced via thermoamplification of a recombinant plasmid carrying a T7 promoter- <i>Escherichia coli</i> lac operator. <b>1994</b> , 142, 61-6	7
968	The biphenyl/polychlorinated biphenyl-degradation locus (bph) of <i>Pseudomonas</i> sp. LB400 encodes four additional metabolic enzymes. <b>1994</b> , 144, 9-16	151
967	Sequence and characterization of three genes within the hydrogenase gene cluster of <i>Bradyrhizobium japonicum</i> . <b>1994</b> , 141, 47-52	10

966	Cloning and expression of the <i>Clostridium thermocellum</i> celS gene in <i>Escherichia coli</i> . <b>1994</b> , 42, 346-52	31
965	Expression of G-protein alpha subunits in <i>Escherichia coli</i> . <b>1994</b> , 237, 146-64	216
964	Fatty acylation of two internal lysine residues required for the toxic activity of <i>Escherichia coli</i> hemolysin. <b>1994</b> , 266, 1992-6	172
963	The effects of phosphoglycerides on <i>Escherichia coli</i> cardiolipin synthase. <b>1994</b> , 1214, 323-32	21
962	Receptor-binding domain of human alpha 2-macroglobulin. Expression, folding and biochemical characterization of a high-affinity recombinant derivative. <b>1994</b> , 344, 242-6	18
961	Purification and characterization of the 210-amino acid recombinant basic fibroblast growth factor form (FGF-2). <b>1994</b> , 349, 23-8	13
960	Serine-202 is the putative precursor of the active site dehydroalanine of phenylalanine ammonia lyase. Site-directed mutagenesis studies on the enzyme from parsley ( <i>Petroselinum crispum</i> L.). <b>1994</b> , 349, 252-4	44
959	The bacteriochlorophyll biosynthesis gene, bchM, of <i>Rhodobacter sphaeroides</i> encodes S-adenosyl-L-methionine: Mg protoporphyrin IX methyltransferase. <b>1994</b> , 352, 127-30	48
958	Modification of a metal ligand in carbonic anhydrase: crystal structure of His94-->Glu human isozyme II. <b>1994</b> , 352, 137-40	5
957	Lack of correspondence between the room-temperature phosphorescence decay-components and Trp residues in a series of Trp-->Cys or Trp-->Phe mutants of human carbonic anhydrase II. <b>1994</b> , 353, 177-9	3
956	Botulinum C3 exoenzyme blocks the tyrosine phosphorylation of p125FAK and paxillin induced by bombesin and endothelin. <b>1994</b> , 354, 315-9	117
955	Heterologous expression of an active rat regulatory protein of glucokinase. <b>1994</b> , 355, 27-9	5
954	A point mutation within the ATP-binding site inactivates both catalytic functions of the ATP-dependent protease La (Lon) from <i>Escherichia coli</i> . <b>1994</b> , 356, 101-3	31
953	The crystal structure of human CskSH3: structural diversity near the RT-Src and n-Src loop. <b>1994</b> , 341, 79-85	51
952	A new hybrid promoter directs transcription at identical start points in mammalian cells and in vitro. <b>1994</b> , 149, 389-90	13
951	A novel plasmid series for in vitro production of phoA translational fusions and its use in the construction of <i>Escherichia coli</i> PhoE::PhoA hybrid proteins. <b>1994</b> , 151, 125-30	6
950	Use of the tetracycline promoter for the tightly regulated production of a murine antibody fragment in <i>Escherichia coli</i> . <b>1994</b> , 151, 131-5	318
949	Production and structural characterization of amino terminally histidine tagged human oncostatin M in <i>E. coli</i> . <b>1994</b> , 6, 255-64	12

948	Protein stability effects of a complete set of alanine substitutions in Arc repressor. <b>1994</b> , 1, 518-23	102
947	Expression and purification of biologically active domain I of the human polymeric immunoglobulin receptor. <b>1994</b> , 31, 165-8	25
946	Differential binding and activation of thyroid hormone response elements by TR alpha 1 and RXR alpha-trap heterodimers. <b>1994</b> , 102, 111-7	8
945	A common multiple cloning site in a set of vectors for expression of eukaryotic genes in mammalian, insect and bacterial cells. <b>1994</b> , 138, 115-8	12
944	Phosrestin I undergoes the earliest light-induced phosphorylation by a calcium/calmodulin-dependent protein kinase in Drosophila photoreceptors. <b>1994</b> , 12, 997-1010	104
943	Overexpression in Escherichia coli, and one-step purification of the human recombinant ferrochelatase. <b>1994</b> , 1200, 123-8	15
942	Secretion of eukaryotic growth hormones in Escherichia coli is influenced by the sequence of the mature proteins. <b>1994</b> , 138, 9-15	8
941	Expression and properties of the recombinant lumazine (riboflavin) protein from Photobacterium leiognathi. <b>1994</b> , 1201, 251-8	13
940	Genetic analysis of the Drosophila single-minded gene reveals a central nervous system influence on muscle development. <b>1994</b> , 48, 81-91	23
939	The C-terminus of the homeodomain is required for functional specificity of the Drosophila rough gene. <b>1994</b> , 48, 35-49	19
938	Measurement of gut hormone gene expression: mRNA and peptides. <b>1994</b> , 8, 25-49	2
937	A T7 expression vector for producing N- and C-terminal fusion proteins with glutathione S-transferase. <b>1994</b> , 138, 105-8	70
936	A novel cDNA, priBc, encoding a protein with a Zn(II) <sub>2</sub> Cys <sub>6</sub> zinc cluster DNA-binding motif, derived from the basidiomycete Lentinus edodes. <b>1994</b> , 139, 117-21	51
935	A direct selection strategy for shotgun cloning and sequencing in the bacteriophage M13. <b>1994</b> , 22, 100-7	5
934	A covalently trapped folding intermediate of subtilisin E: spontaneous dimerization of a prosubtilisin E Ser49Cys mutant in vivo and its autoprocessing in vitro. <b>1994</b> , 33, 562-9	13
933	Mutagenesis of the phosphorylation site (serine 19) of smooth muscle myosin regulatory light chain and its effects on the properties of myosin. <b>1994</b> , 33, 840-7	73
932	Immunoglobulin-type domains of titin: same fold, different stability?. <b>1994</b> , 33, 4730-7	82
931	Pentalenene synthase. Purification, molecular cloning, sequencing, and high-level expression in Escherichia coli of a terpenoid cyclase from Streptomyces UC5319. <b>1994</b> , 33, 5846-57	130

930	Stabilization of the Fv fragments in recombinant immunotoxins by disulfide bonds engineered into conserved framework regions. <b>1994</b> , 33, 5451-9	118
929	Involvement of serine 74 in the enzyme-coenzyme interaction of rat liver mitochondrial aldehyde dehydrogenase. <b>1994</b> , 33, 8955-61	17
928	Mutational analyses of the metal ion and substrate binding sites of phosphorylase kinase gamma subunit. <b>1994</b> , 33, 5877-83	13
927	Increased cytotoxicity of interleukin 2-pseudomonas exotoxin (IL2-PE) chimeric proteins containing a targeting signal for lysosomal membranes. <b>1994</b> , 33, 6235-43	8
926	Assignment of the contribution of the tryptophan residues to the circular dichroism spectrum of human carbonic anhydrase II. <b>1994</b> , 33, 14281-8	122
925	Heterodimerization of the yeast homeodomain transcriptional regulators alpha 2 and a1 induces an interfacial helix in alpha 2. <b>1994</b> , 33, 9294-302	44
924	Determination of kinetic rate constants for the binding of inhibitors to HIV-1 protease and for the association and dissociation of active homodimer. <b>1994</b> , 33, 12527-34	28
923	Difference and similarity of DNA sequence recognized by VDR homodimer and VDR/RXR heterodimer. <b>1994</b> , 22, 2902-7	67
922	Expression of recombinant monomer hemoglobins (component IV) from the marine annelid <i>Glycera dibranchiata</i> : evidence for primary sequence positional regulation of heme rotational disorder. <b>1994</b> , 33, 10337-44	11
921	Involvement of basic fibroblast growth factor NH2 terminus in nuclear accumulation. <b>1994</b> , 11, 163-74	27
920	DNA substrate specificity and cleavage kinetics of an archaeal homing-type endonuclease from <i>Pyrobaculum organotrophum</i> . <b>1994</b> , 22, 4583-90	32
919	Nucleotide sequence of the <i>Salmonella typhimurium</i> trpR gene. <b>1994</b> , 4, 355-60	
918	Use of the recombinant 38-kDa antigen of <i>Mycobacterium tuberculosis</i> as an immunogen for specific antisera production. <b>1994</b> , 38, 797-800	1
917	Site-directed mutagenesis of rat muscle 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase: role of Asp-130 in the 2-kinase domain. <b>1994</b> , 300 ( Pt 1), 111-5	14
916	Structure-function studies on human retinol-binding protein using site-directed mutagenesis. <b>1994</b> , 300 ( Pt 2), 437-42	40
915	Expression, biotinylation and purification of a biotin-domain peptide from the biotin carboxy carrier protein of <i>Escherichia coli</i> acetyl-CoA carboxylase. <b>1994</b> , 302 ( Pt 3), 881-7	120
914	Bacterial expression of Chinese hamster regulatory type-I and catalytic subunits of cyclic AMP-dependent protein kinase and mutational analysis of the type-I regulatory subunit. <b>1994</b> , 297 ( Pt 1), 79-85	4
913	<i>Bacillus subtilis</i> HemY is a peripheral membrane protein essential for protoheme IX synthesis which can oxidize coproporphyrinogen III and protoporphyrinogen IX. <b>1994</b> , 176, 5962-70	56



912	Purification of <i>Rhizobium leguminosarum</i> HypB, a nickel-binding protein required for hydrogenase synthesis. <b>1994</b> , 176, 6066-73	87
911	comK acts as an autoregulatory control switch in the signal transduction route to competence in <i>Bacillus subtilis</i> . <b>1994</b> , 176, 5762-70	129
910	Measuring activation of kinases in mitogen-activated protein kinase regulatory network. <b>1994</b> , 238, 258-70	60
909	Early steps in carotenoid biosynthesis: sequences and transcriptional analysis of the crtI and crtB genes of <i>Rhodobacter sphaeroides</i> and overexpression and reactivation of crtI in <i>Escherichia coli</i> and <i>R. sphaeroides</i> . <b>1994</b> , 176, 3859-69	49
908	Identification of FtsW and characterization of a new ftsW division mutant of <i>Escherichia coli</i> . <b>1994</b> , 176, 7140-7	62
907	Autogenous translational regulation of the ribosomal MvaL1 operon in the archaeobacterium <i>Methanococcus vannielii</i> . <b>1994</b> , 176, 409-18	44
906	Host strain selection for bacterial expression of toxic proteins. <b>1994</b> , 241, 29-46	4
905	Molecular characterization of an aldehyde/alcohol dehydrogenase gene from <i>Clostridium acetobutylicum</i> ATCC 824. <b>1994</b> , 176, 871-85	124
904	The PII protein in the cyanobacterium <i>Synechococcus</i> sp. strain PCC 7942 is modified by serine phosphorylation and signals the cellular N-status. <b>1994</b> , 176, 84-91	161
903	Betadoublet: de novo design, synthesis, and characterization of a beta-sandwich protein. <b>1994</b> , 91, 8747-51	138
902	Specific human granulocyte-macrophage colony-stimulating factor antagonists. <b>1994</b> , 91, 5838-42	98
901	The REC2 gene encodes the homologous pairing protein of <i>Ustilago maydis</i> . <b>1994</b> , 14, 7163-72	41
900	Distinct protein forms are produced from alternatively spliced bicistronic glutamic acid decarboxylase mRNAs during development. <b>1994</b> , 14, 7535-45	92
899	Sensitivity of wild-type human immunodeficiency virus type 1 reverse transcriptase to dideoxynucleotides depends on template length; the sensitivity of drug-resistant mutants does not. <b>1994</b> , 91, 4882-6	150
898	Lateral inhibition mediated by the <i>Drosophila</i> neurogenic gene delta is enhanced by proneural proteins. <b>1994</b> , 91, 10139-43	131
897	Trehalose-6-phosphate hydrolase of <i>Escherichia coli</i> . <b>1994</b> , 176, 5654-64	100
896	The adenovirus E4-6/7 protein transactivates the E2 promoter by inducing dimerization of a heteromeric E2F complex. <b>1994</b> , 14, 1333-46	115
895	Cloning, expression, and chromosomal localization of the 140-kilodalton subunit of replication factor C from mice and humans. <b>1994</b> , 14, 1626-34	48

894	A cell-specific factor represses stimulation of transcription in vitro by transcriptional enhancer factor 1. <b>1994</b> , 14, 5290-9	27
893	Induction of the rat prodynorphin gene through Gs-coupled receptors may involve phosphorylation-dependent derepression and activation. <b>1994</b> , 14, 2837-48	49
892	An interaction between the mammalian DNA repair protein XRCC1 and DNA ligase III. <b>1994</b> , 14, 68-76	417
891	Activation of the glycoprotein hormone alpha-subunit promoter by a LIM-homeodomain transcription factor. <b>1994</b> , 14, 2985-93	141
890	Regulation of scallop myosin by the regulatory light chain depends on a single glycine residue. <b>1994</b> , 91, 8762-6	39
889	Rapid humanization of the Fv of monoclonal antibody B3 by using framework exchange of the recombinant immunotoxin B3(Fv)-PE38. <b>1994</b> , 91, 12051-5	32
888	Coupling the phosphotransferase system and the methyl-accepting chemotaxis protein-dependent chemotaxis signaling pathways of <i>Escherichia coli</i> . <b>1995</b> , 92, 11583-7	125
887	Stimulation of later functions of the yeast meiotic protein kinase Ime2p by the IDS2 gene product. <b>1995</b> , 15, 5279-87	34
886	The crystal structure of <i>Pseudomonas aeruginosa</i> exotoxin domain III with nicotinamide and AMP: conformational differences with the intact exotoxin. <b>1995</b> , 92, 9308-12	65
885	Magnesium-protoporphyrin chelatase of <i>Rhodobacter sphaeroides</i> : reconstitution of activity by combining the products of the bchH, -I, and -D genes expressed in <i>Escherichia coli</i> . <b>1995</b> , 92, 1941-4	172
884	The anchorage function of CipA (Cell), a scaffolding protein of the <i>Clostridium thermocellum</i> cellulosome. <b>1995</b> , 92, 9254-8	52
883	Two subsites in the binding domain of the acetylcholine receptor: an aromatic subsite and a proline subsite. <b>1995</b> , 92, 10801-5	40
882	Catalytic domain of human immunodeficiency virus type 1 integrase: identification of a soluble mutant by systematic replacement of hydrophobic residues. <b>1995</b> , 92, 6057-61	140
881	The gene for the longest known <i>Escherichia coli</i> protein is a member of helicase superfamily II. <b>1995</b> , 177, 5393-400	32
880	Characterization of the lactococcal abiD1 gene coding for phage abortive infection. <b>1995</b> , 177, 3818-23	79
879	Guanosine 5NB-O-(thio)triphosphate stimulates tyrosine phosphorylation of p125FAK and paxillin in permeabilized Swiss 3T3 cells. Role of p21rho. <b>1995</b> , 270, 6984-90	61
878	Isolation of a novel paraquat-inducible (pqi) gene regulated by the soxRS locus in <i>Escherichia coli</i> . <b>1995</b> , 177, 2673-8	41
877	Gratuitous overexpression of genes in <i>Escherichia coli</i> leads to growth inhibition and ribosome destruction. <b>1995</b> , 177, 1497-504	303

876	Ethanolamine utilization in <i>Salmonella typhimurium</i> : nucleotide sequence, protein expression, and mutational analysis of the <i>cchA cchB eutE eutJ eutG eutH</i> gene cluster. <b>1995</b> , 177, 1357-66	275
875	A superior host strain for the over-expression of cloned genes using the T7 promoter based vectors. <b>1995</b> , 23, 2074-5	36
874	Conformational changes and in vitro core-formation modifications induced by site-directed mutagenesis of the specific N-terminus of pea seed ferritin. <b>1995</b> , 305 ( Pt 3), 959-65	30
873	Enzymatic radiolabelling to a high specific activity of legume lipo-oligosaccharidic nodulation factors from <i>Rhizobium meliloti</i> . <b>1995</b> , 306 ( Pt 1), 259-64	36
872	Identification of transient intermediates in the bisphosphatase reaction of rat liver 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase by 31P-NMR spectroscopy. <b>1995</b> , 308 ( Pt 1), 189-95	14
871	Study of the roles of Arg-104 and Arg-225 in the 2-kinase domain of 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase by site-directed mutagenesis. <b>1995</b> , 309 ( Pt 1), 341-6	10
870	High constitutive levels of heat-shock proteins in human-pathogenic parasites of the genus <i>Leishmania</i> . <b>1995</b> , 310 ( Pt 1), 225-32	96
869	Polymorphism of the yeast pyruvate carboxylase 2 gene and protein: effects on protein biotinylation. <b>1995</b> , 312 ( Pt 3), 817-25	22
868	Cloning and characterization of the A-factor receptor gene from <i>Streptomyces griseus</i> . <b>1995</b> , 177, 6083-92	119
867	Characterization of the <i>celB</i> gene coding for beta-glucosidase from the hyperthermophilic archaeon <i>Pyrococcus furiosus</i> and its expression and site-directed mutation in <i>Escherichia coli</i> . <b>1995</b> , 177, 7105-11	117
866	Characterization of a 2,3-dihydroxybiphenyl dioxygenase from the naphthalenesulfonate-degrading bacterium strain BN6. <b>1995</b> , 177, 5865-71	61
865	The <i>rpoE</i> gene of <i>Escherichia coli</i> , which encodes sigma E, is essential for bacterial growth at high temperature. <b>1995</b> , 177, 2918-22	91
864	Bacterial expression and purification of human protein prenyltransferases using epitope-tagged, translationally coupled systems. <b>1995</b> , 250, 3-12	17
863	Use of <i>TnpA</i> and T7 RNA polymerase to study fimbrial proteins. <b>1995</b> , 253, 242-58	6
862	Expression of plant proteins in baculoviral and bacterial systems. <b>1995</b> , 50, 461-79	1
861	[18] Use of receptors expressed in <i>Escherichia coli</i> to study autoimmunity against G protein-coupled membrane proteins. <b>1995</b> , 25, 345-365	
860	Mosquito larvicidal activity of <i>Escherichia coli</i> with combinations of genes from <i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> . <b>1995</b> , 177, 2851-7	63
859	<i>TrkH</i> and its homolog, <i>TrkG</i> , determine the specificity and kinetics of cation transport by the <i>Trk</i> system of <i>Escherichia coli</i> . <b>1995</b> , 177, 1908-10	86

858	Expression of the sodium ion pump methylmalonyl-coenzyme A-decarboxylase from <i>Veillonella parvula</i> and of mutated enzyme specimens in <i>Escherichia coli</i> . <b>1995</b> , 177, 3623-30	16
857	Molecular cloning, nucleotide sequence, and expression of a carboxypeptidase-encoding gene from the archaeobacterium <i>Sulfolobus solfataricus</i> . <b>1995</b> , 177, 5561-6	34
856	Evidence that the immunity protein inactivates colicin 5 immediately prior to the formation of the transmembrane channel. <b>1995</b> , 177, 6966-72	36
855	The mechanism of action of phenylalanine ammonia-lyase: the role of prosthetic dehydroalanine. <b>1995</b> , 92, 8433-7	121
854	Artificial regulation of gene expression in <i>Escherichia coli</i> by RNase P. <b>1995</b> , 92, 11115-9	88
853	Transcribing of <i>Escherichia coli</i> genes with mutant T7 RNA polymerases: stability of lacZ mRNA inversely correlates with polymerase speed. <b>1995</b> , 92, 12250-4	63
852	A role for mitogen-activated protein kinase in mediating activation of the glycoprotein hormone alpha-subunit promoter by gonadotropin-releasing hormone. <b>1995</b> , 15, 3531-9	187
851	Purification and characterization of recombinant pea-seed ferritins expressed in <i>Escherichia coli</i> : influence of N-terminus deletions on protein solubility and core formation in vitro. <b>1995</b> , 305 (Pt 1), 253-61	67
850	MyoD forms micelles which can dissociate to form heterodimers with E47: implications of micellization on function. <b>1995</b> , 92, 11824-8	16
849	HypB protein of <i>Bradyrhizobium japonicum</i> is a metal-binding GTPase capable of binding 18 divalent nickel ions per dimer. <b>1995</b> , 92, 2333-7	109
848	Mutation avoidance and DNA repair proficiency in <i>Ustilago maydis</i> are differentially lost with progressive truncation of the REC1 gene product. <b>1995</b> , 15, 5329-38	23
847	Subcellular localization of the alpha and beta subunits of the acute myeloid leukemia-linked transcription factor PEBP2/CBF. <b>1995</b> , 15, 1651-61	104
846	Myxoma virus and Shope fibroma virus encode dual-specificity tyrosine/serine phosphatases which are essential for virus viability. <b>1995</b> , 206, 572-82	17
845	Comparative X-ray structures of the major binding protein for the immunosuppressant FK506 (tacrolimus) in unliganded form and in complex with FK506 and rapamycin. <b>1995</b> , 51, 511-21	80
844	Three new crystal structures of point mutation variants of monoTIM: conformational flexibility of loop-1, loop-4 and loop-8. <b>1995</b> , 3, 669-79	36
843	Recombinant chicken interferon from <i>Escherichia coli</i> and transfected COS cells is biologically active. <b>1995</b> , 229, 73-6	51
842	GTP Hydrolysis by HypB is Essential for Nickel Insertion into Hydrogenases of <i>Escherichia Coli</i> . <b>1995</b> , 230, 133-138	116
841	The interaction between human papillomavirus type 16 E1 and E2 proteins is blocked by an antibody to the N-terminal region of E2. <b>1995</b> , 229, 517-25	27

840	cDNA cloning, overexpression in Escherichia coli, purification and characterization of sheep liver cytosolic serine hydroxymethyltransferase. <b>1995</b> , 230, 533-7	22
839	Overproduction in Escherichia Coli, Purification and Properties of Human Prothymosin $\beta$ <b>1995</b> , 231, 639-643	24
838	An Extended Binding Pocket Determines the Polar Head Group Specificity of Porcine Pancreatic Phospholipase A2. <b>1995</b> , 231, 747-753	
837	High-level Biosynthetic Substitution of Methionine in Proteins by its Analogs 2-Aminohexanoic Acid, Selenomethionine, Telluromethionine and Ethionine in Escherichia coli. <b>1995</b> , 230, 788-796	19
836	Synthesis of the Oxaloacetate Decarboxylase Na <sup>+</sup> Pump and its Individual Subunits in Escherichia Coli and Analysis of their Function. <b>1995</b> , 231, 790-801	
835	Lactose-specific enzyme II of the phosphoenolpyruvate-dependent phosphotransferase system of Staphylococcus aureus. Purification of the histidine-tagged transmembrane component IICBLac and its hydrophilic IIB domain by metal-affinity chromatography, and functional characterization. <b>1995</b> , 228, 798-804	11
834	In vitro folding of Escherichia coli outer-membrane phospholipase A. <b>1995</b> , 232, 214-9	83
833	The interaction of beta 2-microglobulin (beta 2m) with mouse class I major histocompatibility antigens and its ability to support peptide binding. A comparison of human and mouse beta 2m. <b>1995</b> , 25, 1609-16	65
832	Administration of disulfide-stabilized Fv-immunotoxins B1(dsFv)-PE38 and B3(dsFv)-PE38 by continuous infusion increases their efficacy in curing large tumor xenografts in nude mice. <b>1995</b> , 62, 351-5	30
831	Expression of myelin transcription factor I (MyTI), a "zinc-finger" DNA-binding protein, in developing oligodendrocytes. <b>1995</b> , 14, 303-21	84
830	Studies on the formation of DNA-protein interfaces: DNA specificity and straightening by CREB. <b>1995</b> , 5, 1621-1626	4
829	Mutational analysis of the role of the first helix of region 4.2 of the sigma 70 subunit of Escherichia coli RNA polymerase in transcriptional activation by activator protein PhoB. <b>1995</b> , 248, 1-8	38
828	In vivo reconstitution of an active siderophore transport system by a binding protein derivative lacking a signal sequence. <b>1995</b> , 248, 33-42	12
827	Expression of the nucleoprotein of rabies virus in Escherichia coli and mapping of antigenic sites. <b>1995</b> , 140, 1061-74	26
826	Localization of deoxyribonuclease I gene transcripts and protein in rat tissues and its correlation with apoptotic cell elimination. <b>1995</b> , 103, 369-77	21
825	Functional domains of the Escherichia coli ferric uptake regulator protein (Fur). <b>1995</b> , 247, 199-205	79
824	Functional analysis of isolated cpn10 domains and conserved amino acid residues in spinach chloroplast co-chaperonin by site-directed mutagenesis. <b>1995</b> , 29, 1039-55	15
823	Post-translational processing of the highly processed, secreted periplasmic carbonic anhydrase of Chlamydomonas is largely conserved in transgenic tobacco. <b>1995</b> , 29, 303-15	13

822	The <i>sacB</i> and <i>sacC</i> genes encoding levansucrase and sucrose form a gene cluster in <i>Zymomonas mobilis</i> . <b>1995</b> , 17, 635-642	18
821	Hyper expression of an environmentally friendly synthetic polymer gene. <b>1995</b> , 17, 745-750	50
820	Peptide insertions in $\alpha$ -galactosidase activating interface can improve binding in TPEG-Sepharose affinity chromatography. <b>1995</b> , 9, 767-770	2
819	High-level $2\text{H}/^{13}\text{C}/^{15}\text{N}$ labeling of proteins for NMR studies. <b>1995</b> , 5, 339-44	103
818	Cell-free synthesis and amino acid-selective stable isotope labeling of proteins for NMR analysis. <b>1995</b> , 6, 129-34	164
817	A novel method for selective isotope labeling of bacterially expressed proteins. <b>1995</b> , 5, 93-6	36
816	Functional analysis by site-directed mutagenesis of individual amino acid residues in the flavin domain of <i>Neurospora crassa</i> nitrate reductase. <b>1995</b> , 249, 456-64	8
815	Secondary structure determination by NMR spectroscopy of an immunoglobulin-like domain from the giant muscle protein titin. <b>1995</b> , 6, 48-58	15
814	Cloning and characterization of <i>brnQ</i> , a gene encoding a low-affinity, branched-chain amino acid carrier in <i>Lactobacillus delbrückii</i> subsp. <i>lactis</i> DSM7290. <b>1995</b> , 249, 682-90	37
813	Crystallization and preliminary X-ray diffraction studies of an $\alpha 1/\alpha 2/\text{DNA}$ ternary complex. <b>1995</b> , 21, 161-4	6
812	Purification, crystallization, and preliminary X-ray analysis of <i>Bacillus subtilis</i> ferrochelatase. <b>1995</b> , 23, 607-9	15
811	UME6, a negative regulator of meiosis in <i>Saccharomyces cerevisiae</i> , contains a C-terminal $\text{Zn}_2\text{Cys}_6$ binuclear cluster that binds the URS1 DNA sequence in a zinc-dependent manner. <b>1995</b> , 4, 1832-43	63
810	Characterization of the isolated cAMP-binding B domain of cAMP-dependent protein kinase. <b>1995</b> , 4, 2100-6	12
809	The role of a conserved tyrosine residue in high-potential iron sulfur proteins. <b>1995</b> , 4, 2562-72	35
808	Heterogeneous endolysins in <i>Listeria monocytogenes</i> bacteriophages: a new class of enzymes and evidence for conserved holin genes within the siphoviral lysis cassettes. <b>1995</b> , 16, 1231-41	150
807	Purification of ArcA and analysis of its specific interaction with the <i>pfl</i> promoter-regulatory region. <b>1995</b> , 16, 597-607	56
806	Restriction alleviation and modification enhancement by the Rac prophage of <i>Escherichia coli</i> K-12. <b>1995</b> , 16, 769-77	50
805	Functional analysis of the <i>Salmonella typhimurium</i> invasion genes <i>invL</i> and <i>invJ</i> and identification of a target of the protein secretion apparatus encoded in the <i>inv</i> locus. <b>1995</b> , 15, 25-38	128

804	Tight transcriptional control mechanism ensures stable high-level expression from T7 promoter-based expression plasmids. <b>1995</b> , 13, 175-9	75
803	Whole-virus vaccine development by continuous culture on a complementing host. <b>1995</b> , 13, 583-6	5
802	Improved mimicry of a foot-and-mouth disease virus antigenic site by a viral peptide displayed on beta-galactosidase surface. <b>1995</b> , 13, 801-4	47
801	Human stress protein hsp70: overexpression in E coli, purification and characterization. <b>1995</b> , 13, 1105-9	8
800	Regulation of PLC-mediated signalling in vivo by CDP-diacylglycerol synthase. <b>1995</b> , 373, 216-22	158
799	Crystal structure of the heterodimeric bZIP transcription factor c-Fos-c-Jun bound to DNA. <b>1995</b> , 373, 257-61	663
798	Control of transcription by Krüppel through interactions with TFIIB and TFIIE beta. <b>1995</b> , 375, 162-4	137
797	Engineering of plasminogen activator inhibitor-1 to reduce the rate of latency transition. <b>1995</b> , 2, 442-5	62
796	Overproduced and purified receptor binding protein pb5 of bacteriophage T5 binds to the T5 receptor protein FhuA. <b>1995</b> , 130, 293-300	18
795	Overexpression of extracellular sucrase (SacC) of Zymomonas mobilis in Escherichia coli. <b>1995</b> , 133, 39-33	
794	Bacteriophage HK97 head assembly. <b>1995</b> , 17, 41-6	30
793	Fasciculation of granule cell neurites is responsible for the perpendicular orientation of small inhibitory interneurons in mouse cerebellar microexplant cultures in vitro. <b>1995</b> , 7, 1460-71	12
792	A new strategy for the cloning, overexpression and one step purification of three DHAP-dependent aldolases: rhamnulose-1-phosphate aldolase, fuculose-1-phosphate aldolase and tagatose-1,6-diphosphate aldolase. <b>1995</b> , 3, 945-53	37
791	Expression and extensive characterization of a beta-glycosidase from the extreme thermoacidophilic archaeon Sulfolobus solfataricus in Escherichia coli: authenticity of the recombinant enzyme. <b>1995</b> , 17, 992-7	68
790	Gene cloning and characterization of thermostable peptidyl prolyl cis-trans isomerase (PPIase) from Bacillus stearothermophilus SIC1. <b>1995</b> , 79, 87-94	10
789	Baculovirus expression of human basic fibroblast growth factor from a synthetic gene: role of the Kozak consensus and comparison with bacterial expression. <b>1995</b> , 1260, 14-20	10
788	Cloning, nucleotide sequence and expression of the bifunctional dihydrofolate reductase-thymidylate synthase from Glycine max. <b>1995</b> , 1261, 325-36	13
787	Nucleophosmin/B23 (NPM) oligomer is a major and stable entity in HeLa cells. <b>1995</b> , 1262, 37-42	45

786	Characterization of human E4BP4, a phosphorylated bZIP factor. <b>1995</b> , 1264, 388-96	21
785	The structure and physicochemical properties of rat liver macrophage migration inhibitory factor. <b>1995</b> , 1247, 159-62	56
784	GroEL/ES-mediated refolding of human carbonic anhydrase II: role of N-terminal helices as recognition motifs for GroEL. <b>1995</b> , 1247, 195-200	20
783	Transcriptional activation domains of the Ah receptor and Ah receptor nuclear translocator. <b>1995</b> , 121, 612-20	54
782	Improvement of Escherichia coli cell-free system by utilization of cell extract having additional property. Problems and countermeasures. <b>1995</b> , 53, 29-35	3
781	Expression and in vitro function of beta 1-integrin laminin receptors in the developing avian ciliary ganglion. <b>1995</b> , 15, 5275-85	41
780	Nucleoside diphosphate kinase from Escherichia coli. <b>1995</b> , 177, 2524-9	54
779	Two mutations in the HMG-box with very different structural consequences provide insights into the nature of binding to four-way junction DNA.. <b>1995</b> , 14, 3844-3853	40
778	SLU7 and a novel activity, SSF1, act during the PRP16-dependent step of yeast pre-mRNA splicing.. <b>1995</b> , 14, 4001-4009	88
777	Gin mutants that can be suppressed by a Fis-independent mutation. <b>1995</b> , 177, 222-8	8
776	Regulated underexpression and overexpression of the FliN protein of Escherichia coli and evidence for an interaction between FliN and FliM in the flagellar motor. <b>1995</b> , 177, 3496-503	54
775	DNA sequence and characterization of Haemophilus influenzae dprA+, a gene required for chromosomal but not plasmid DNA transformation. <b>1995</b> , 177, 3235-40	70
774	Transcriptional regulation from the cell surface: conformational changes in the transmembrane protein FecR lead to altered transcription of the ferric citrate transport genes in Escherichia coli. <b>1995</b> , 177, 3320-2	19
773	Ferrichrome transport in Escherichia coli K-12: altered substrate specificity of mutated periplasmic FhuD and interaction of FhuD with the integral membrane protein FhuB. <b>1995</b> , 177, 7186-93	83
772	Superlytic hemolysin mutants of Serratia marcescens. <b>1995</b> , 177, 7202-9	12
771	Phosphoglycerate kinase and triosephosphate isomerase from the hyperthermophilic bacterium Thermotoga maritima form a covalent bifunctional enzyme complex.. <b>1995</b> , 14, 442-451	58
770	Specific binding of the NikA protein to one arm of 17-base-pair inverted repeat sequences within the oriT region of plasmid R64. <b>1995</b> , 177, 46-51	26
769	Activation of a Drosophila Janus kinase (JAK) causes hematopoietic neoplasia and developmental defects.. <b>1995</b> , 14, 2857-2865	342



768	Discontinuities in the evolution of <i>Pseudomonas putida</i> cat genes. <b>1995</b> , 177, 401-12	66
767	Initiation binding repressor, a factor that binds to the transcription initiation site of the histone h5 gene, is a glycosylated member of a family of cell growth regulators [corrected]. <b>1995</b> , 15, 6670-85	30
766	Identification and characterization of a new disulfide isomerase-like protein (DsbD) in <i>Escherichia coli</i> . <b>1995</b> , 14, 3415-3424	146
765	Transcriptional induction and expression of the endoglucanase <i>celA</i> gene from a ruminal <i>Clostridium</i> sp. (" <i>C. longisporum</i> "). <b>1995</b> , 177, 4805-8	5
764	TTG serves as an initiation codon for the ribosomal protein MvaS7 from the archaeon <i>Methanococcus vannielii</i> . <b>1995</b> , 177, 5994-6	17
763	Regulated underexpression of the FlhM protein of <i>Escherichia coli</i> and evidence for a location in the flagellar motor distinct from the MotA/MotB torque generators. <b>1995</b> , 177, 3485-95	53
762	Nitrate repression of the <i>Escherichia coli</i> <i>pfl</i> operon is mediated by the dual sensors NarQ and NarX and the dual regulators NarL and NarP. <b>1995</b> , 177, 3647-55	25
761	Ordered translocation of 987P fimbrial subunits through the outer membrane of <i>Escherichia coli</i> . <b>1995</b> , 177, 3704-13	28
760	A cluster of four genes encoding enzymes for five steps in the folate biosynthetic pathway of <i>Streptococcus pneumoniae</i> . <b>1995</b> , 177, 66-74	39
759	Characterization of a HeLa cell factor which negatively regulates transcriptional activation in vitro by transcriptional enhancer factor-1 (TEF-1). <b>1995</b> , 270, 3631-7	14
758	Primary structure and functional analysis of the lysis genes of <i>Lactobacillus gasseri</i> bacteriophage phi adh. <b>1995</b> , 177, 723-32	64
757	Purification of bacteriophage phi 29 DNA polymerase. <b>1995</b> , 262, 42-9	74
756	In Vitro Transcription and Translation Protocols. <b>1995</b> ,	3
755	Function and receptor specificity of a minimal 20 kilodalton cell adhesive fragment of fibronectin. <b>1995</b> , 3, 13-25	54
754	OpuA, an osmotically regulated binding protein-dependent transport system for the osmoprotectant glycine betaine in <i>Bacillus subtilis</i> . <b>1995</b> , 270, 16701-13	141
753	CuZn superoxide dismutase (SOD-1):tetanus toxin fragment C hybrid protein for targeted delivery of SOD-1 to neuronal cells. <b>1995</b> , 270, 15434-42	64
752	Spectroscopic and kinetic properties of unphosphorylated rat hepatic phenylalanine hydroxylase expressed in <i>Escherichia coli</i> . Comparison of resting and activated states. <b>1995</b> , 270, 30532-44	41
751	Genetic engineering of snake toxins. The functional site of Erabutoxin a, as delineated by site-directed mutagenesis, includes variant residues. <b>1995</b> , 270, 9362-9	126

750	Identification of the substrate and pseudosubstrate binding sites of phosphorylase kinase gamma-subunit. <b>1995</b> , 270, 7183-8	23
749	The myristoylated amino terminus of ADP-ribosylation factor 1 is a phospholipid- and GTP-sensitive switch. <b>1995</b> , 270, 14809-15	103
748	Myristoylation and ADP-ribosylation factor function. <b>1995</b> , 250, 394-405	38
747	A homolog of an Escherichia coli phosphate-binding protein gene from Xanthomonas oryzae pv. oryzae. <b>1995</b> , 5, 299-305	2
746	The C terminus of SecA is involved in both lipid binding and SecB binding. <b>1995</b> , 270, 7902-7	125
745	Modular organization of T4 DNA polymerase. Evidence from phylogenetics. <b>1995</b> , 270, 26558-64	77
744	Identification of a DNA transformation gene required for com101A+ expression and supertransformer phenotype in Haemophilus influenzae. <b>1995</b> , 92, 3616-20	38
743	Identification of the active site nucleophile in nucleoside 2-deoxyribosyltransferase as glutamic acid 98. <b>1995</b> , 270, 15551-6	38
742	Structural and functional roles of cysteine 90 and cysteine 240 in S-adenosylmethionine synthetase. <b>1995</b> , 270, 18484-90	21
741	The ANK repeats of erythrocyte ankyrin form two distinct but cooperative binding sites for the erythrocyte anion exchanger. <b>1995</b> , 270, 22050-4	92
740	Association of an activator with an RNA polymerase II holoenzyme. <b>1995</b> , 9, 897-910	203
739	DNA strand transfer catalyzed by the 5'N exonuclease domain of Escherichia coli DNA polymerase I. <b>1995</b> , 23, 4620-7	13
738	Intersubunit contacts made by tryptophan 120 with biotin are essential for both strong biotin binding and biotin-induced tighter subunit association of streptavidin. <b>1995</b> , 92, 3180-4	131
737	The oxygen sensor protein, FixL, of Rhizobium meliloti. Role of histidine residues in heme binding, phosphorylation, and signal transduction. <b>1995</b> , 270, 5243-50	78
736	Identification of a flavin:NADH oxidoreductase involved in the biosynthesis of actinorhodin. Purification and characterization of the recombinant enzyme. <b>1995</b> , 270, 17339-43	63
735	Recombinant core streptavidins. A minimum-sized core streptavidin has enhanced structural stability and higher accessibility to biotinylated macromolecules. <b>1995</b> , 270, 28204-9	75
734	Heterogeneous nuclear ribonucleoproteins H, H <sub>1</sub> and F are members of a ubiquitously expressed subfamily of related but distinct proteins encoded by genes mapping to different chromosomes. <b>1995</b> , 270, 28780-9	92
733	Very Sensitive Antigen Detection by Immuno-Polymerase Chain Reaction. <b>1995</b> , 175-185	0

732	Yeast viral 20 S RNA is associated with its cognate RNA-dependent RNA polymerase. <b>1995</b> , 270, 20084-9	16
731	Complete genomic sequence of the fish rhabdovirus infectious haematopoietic necrosis virus. <b>1995</b> , 76 ( Pt 10), 2519-27	75
730	Topological analysis of the lysine-specific permease of Escherichia coli. <b>1995</b> , 141 ( Pt 8), 1927-1935	17
729	Structure-function relationship of yeast S-II in terms of stimulation of RNA polymerase II, arrest relief, and suppression of 6-azauracil sensitivity. <b>1995</b> , 270, 8991-5	55
728	Homologous proteins with different affinities for groEL. The refolding of the aspartate aminotransferase isozymes at varying temperatures. <b>1995</b> , 270, 1138-48	32
727	Phosphorylation of the Drosophila engrailed protein at a site outside its homeodomain enhances DNA binding. <b>1995</b> , 270, 11130-9	47
726	Bacteriophage T4 MotA and AsiA proteins suffice to direct Escherichia coli RNA polymerase to initiate transcription at T4 middle promoters. <b>1995</b> , 92, 1451-5	76
725	Cloning and functional characterization of human selenophosphate synthetase, an essential component of selenoprotein synthesis. <b>1995</b> , 270, 21659-64	148
724	T-cell specific avian TdT: characterization of the cDNA and recombinant enzyme. <b>1995</b> , 23, 2041-8	21
723	The level of the pUB110 replication initiator protein is autoregulated, which provides an additional control for plasmid copy number. <b>1995</b> , 23, 1894-900	23
722	Partial characterization of the cytoplasmic domain of human kidney band 3. <b>1995</b> , 270, 17892-7	45
721	Calreticulin inhibits vitamin D3 signal transduction. <b>1995</b> , 23, 3268-74	63
720	Identification of the yeast nuclear gene for the mitochondrial homologue of bacterial ribosomal protein L16. <b>1995</b> , 23, 3673-7	13
719	Excision of specific DNA-sequences from integrated retroviral vectors via site-specific recombination. <b>1995</b> , 23, 4451-6	32
718	Complex expression of murine heat shock transcription factors. <b>1995</b> , 23, 467-74	110
717	The vaccinia virus A18R gene product is a DNA-dependent ATPase. <b>1995</b> , 270, 1550-6	30
716	RNAII transcribed by IPTG-induced T7 RNA polymerase is non-functional as a replication primer for ColE1-type plasmids in Escherichia coli. <b>1995</b> , 23, 1691-5	32
715	Replacing the glutamate ligand in the structural zinc site of Sulfolobus solfataricus alcohol dehydrogenase with a cysteine decreases thermostability. <b>1995</b> , 8, 31-7	8

714	Methotrexate inhibits proteolysis of dihydrofolate reductase by the N-end rule pathway. <b>1995</b> , 270, 8172-8	99
713	An interaction between the Escherichia coli RecF and RecR proteins dependent on ATP and double-stranded DNA. <b>1995</b> , 270, 31397-404	61
712	Enhancement of HL-60 differentiation by a new class of retinoids with selective activity on retinoid X receptor. <b>1995</b> , 270, 30765-72	68
711	Identification of residues that stabilize the single-chain Fv of monoclonal antibodies B3. <b>1995</b> , 270, 23373-80	27
710	The Cdc31p-binding protein Kar1p is a component of the half bridge of the yeast spindle pole body. <b>1995</b> , 128, 863-77	125
709	The rad21 gene product of Schizosaccharomyces pombe is a nuclear, cell cycle-regulated phosphoprotein. <b>1995</b> , 270, 7703-11	75
708	Primer terminus stabilization at the phi 29 DNA polymerase active site. Mutational analysis of conserved motif KXY. <b>1995</b> , 270, 2735-40	38
707	Expression and folding of recombinant bovine prethrombin-2 and its activation to thrombin. <b>1995</b> , 270, 163-9	29
706	Definition of a composite binding site for gp130 in human interleukin-6. <b>1995</b> , 270, 31249-54	25
705	Human beta-cell glucokinase. Dual role of Ser-151 in catalysis and hexose affinity. <b>1995</b> , 270, 9939-46	44
704	Structure and in vitro molecular chaperone activity of cytosolic small heat shock proteins from pea. <b>1995</b> , 270, 10432-8	243
703	The conserved Schizosaccharomyces pombe kinase plo1, required to form a bipolar spindle, the actin ring, and septum, can drive septum formation in G1 and G2 cells. <b>1995</b> , 9, 1059-73	310
702	Cloning and characterization of the Pseudomonas aeruginosa pbpB gene encoding penicillin-binding protein 3. <b>1995</b> , 39, 1871-4	21
701	The formation of the 2',5'-phosphodiester linkage in the cDNA priming reaction by bacterial reverse transcriptase in a cell-free system. <b>1995</b> , 270, 581-8	31
700	The hepatitis B virus X protein targets the basic region-leucine zipper domain of CREB. <b>1995</b> , 92, 3819-23	152
699	Solution structure of the sequence-specific HMG box of the lymphocyte transcriptional activator Sox-4. <b>1995</b> , 270, 30516-24	56
698	p93dis1, which is required for sister chromatid separation, is a novel microtubule and spindle pole body-associating protein phosphorylated at the Cdc2 target sites. <b>1995</b> , 9, 1572-85	130
697	Pseudomonas exotoxin-mediated selection yields cells with altered expression of low-density lipoprotein receptor-related protein. <b>1995</b> , 129, 1533-41	103

696	Molecular cloning, DNA sequence analysis, and biochemical characterization of a novel 65-kDa FK506-binding protein (FKBP65). <b>1995</b> , 270, 29336-41	51
695	Identification of an essential cysteinyl residue in the ArsC arsenate reductase of plasmid R773. <b>1995</b> , 34, 13472-6	41
694	Increase of solubility of foreign proteins in Escherichia coli by coproduction of the bacterial thioredoxin. <b>1995</b> , 270, 25328-31	238
693	Critical side-chain interactions at a subunit interface in the Arc repressor dimer. <b>1995</b> , 34, 3344-51	43
692	Interactions of myogenic bHLH transcription factors with calcium-binding calmodulin and S100a (alpha alpha) proteins. <b>1995</b> , 34, 7834-46	67
691	Multinuclear magnetic resonance and mutagenesis studies of the histidine residues of human mitochondrial ferredoxin. <b>1995</b> , 34, 180-7	25
690	Diffusion-limited interaction between unfolded polypeptides and the Escherichia coli chaperone SecB. <b>1995</b> , 34, 10078-85	71
689	Dethiobiotin synthetase: the carbonylation of 7,8-diaminonanoic acid proceeds regiospecifically via the N7-carbamate. <b>1995</b> , 34, 10976-84	33
688	Sugar specificity of human beta-cell glucokinase: correlation of molecular models with kinetic measurements. <b>1995</b> , 34, 6083-92	53
687	A novel protein encoded by the InaD gene regulates recovery of visual transduction in Drosophila. <b>1995</b> , 14, 201-10	110
686	Isolation of two new members of the NF-AT gene family and functional characterization of the NF-AT proteins. <b>1995</b> , 2, 461-72	351
685	Coordinate and cooperative roles for NF-AT and AP-1 in the regulation of the murine IL-4 gene. <b>1995</b> , 2, 473-83	237
684	A genetically engineered single-chain FV/TNF molecule possesses the anti-tumor immunoreactivity of FV as well as the cytotoxic activity of tumor necrosis factor. <b>1995</b> , 32, 873-81	25
683	Construction of a transducible cassette encoding an inducible bacteriophage T7 RNA polymerase gene 1 in Escherichia coli. <b>1995</b> , 21, 173-180	3
682	Overexpression of extracellular sucrase (SacC) of Zymomonas mobilis in Escherichia coli. <b>1995</b> , 133, 29-33	3
681	A fruiting body-specific cDNA, mfbAc, from the mushroom Lentinus edodes encodes a high-molecular-weight cell-adhesion protein containing an Arg-Gly-Asp motif. <b>1995</b> , 154, 31-7	33
680	Regulation of sCD4-183 gene expression from phage-T7-based vectors in Escherichia coli. <b>1995</b> , 156, 33-6	28
679	Functional antibody single-chain fragments from the cytoplasm of Escherichia coli: influence of thioredoxin reductase (TrxB). <b>1995</b> , 159, 203-7	68

678	Analysis of a family of ypt genes and their products from <i>Chlamydomonas reinhardtii</i> . <b>1995</b> , 158, 41-50		31
677	Protection from proteolysis using a T4::T7-RNAP phage expression-packaging-processing system. <b>1995</b> , 162, 5-11		9
676	A high-level prokaryotic expression system: synthesis of human interleukin 1 alpha and its receptor antagonist. <b>1995</b> , 164, 341-5		5
675	An open reading frame in the approximately 28-kb tox-argk gene cluster encodes a polypeptide with homology to fatty acid desaturases. <b>1995</b> , 166, 83-7		23
674	Expression of <i>Pseudomonas amyloclavata</i> isoamylase gene in <i>Escherichia coli</i> using an inducible T7 phage expression system. <b>1995</b> , 30, 547-552		5
673	Extracellular signal protein triggering the proteolytic activation of a developmental transcription factor in <i>B. subtilis</i> . <b>1995</b> , 83, 219-26		95
672	Ubiquitin is attached to membranes of baculovirus particles by a novel type of phospholipid anchor. <b>1995</b> , 80, 301-9		71
671	Structural characterization by nuclear magnetic resonance spectroscopy of a genetically engineered high-affinity calmodulin-binding peptide derived from <i>Bordetella pertussis</i> adenylate cyclase. <b>1995</b> , 320, 224-35		5
670	Versatile, multi-featured plasmids for high-level expression of heterologous genes in <i>Escherichia coli</i> : overproduction of human and murine cytokines. <b>1995</b> , 164, 9-15		34
669	Characterization of the 5 S RNA binding activity of <i>Xenopus</i> zinc finger protein p43. <i>Journal of Molecular Biology</i> , <b>1995</b> , 245, 549-58	6.5	24
668	Expression, purification and crystallisation of phosphorylase kinase catalytic domain. <i>Journal of Molecular Biology</i> , <b>1995</b> , 246, 374-81	6.5	19
667	Ribosome mutants with altered accuracy translate with reduced processivity. <i>Journal of Molecular Biology</i> , <b>1995</b> , 248, 551-61	6.5	44
666	Isolation of transcriptionally active mutants of T7 RNA polymerase that do not support phage growth. <i>Journal of Molecular Biology</i> , <b>1995</b> , 250, 156-68	6.5	37
665	The capsid size-determining protein Sid forms an external scaffold on phage P4 procapsids. <i>Journal of Molecular Biology</i> , <b>1995</b> , 251, 59-75	6.5	61
664	Membrane topology of the MotA protein of <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , <b>1995</b> , 251, 237-42	6.5	114
663	A residue to residue hydrogen bond mediates the nucleotide specificity of ribonuclease A. <i>Journal of Molecular Biology</i> , <b>1995</b> , 252, 328-36	6.5	57
662	The non-inducible nature of super-repressors of the gal operon in <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , <b>1995</b> , 253, 414-25	6.5	14
661	Recombinant Immunotoxins: From Basic Research to Cancer Therapy. <b>1995</b> , 8, 143-156		18

660	Generation of antibodies against a human lipoprotein lipase fusion protein. <b>1995</b> , 57, 1709-15	4
659	Zfyl encodes a nuclear sequence-specific DNA binding protein. <b>1995</b> , 360, 315-9	10
658	Oligomerization state in solution of the cell cycle regulators p13suc1 from the fission yeast and p9cksphy from the myxomycete Physarum, two members of the cks family. <b>1995</b> , 363, 145-50	13
657	Introduction of a CuA site into the blue copper protein amicyanin from Thiobacillus versutus. <b>1995</b> , 365, 92-4	84
656	Mutations in the hydrophobic domain of poliovirus protein 3AB abrogate its permeabilizing activity. <b>1995</b> , 367, 5-11	21
655	An interface point-mutation variant of triosephosphate isomerase is compactly folded and monomeric at low protein concentrations. <b>1995</b> , 367, 315-8	27
654	Crystallization of threonyl-tRNA synthetase from Thermus thermophilus and preliminary crystallographic data. <b>1995</b> , 374, 110-2	3
653	Isolation and preliminary characterization of cDNA encoding American cockroach allergens. <b>1995</b> , 96, 352-9	24
652	The folding and stability of titin immunoglobulin-like modules, with implications for the mechanism of elasticity. <b>1995</b> , 69, 2601-10	113
651	Nested sets of protein fragments and their use in epitope mapping: characterization of the epitope for the S4D5 monoclonal antibody binding to receptor associated protein. <b>1995</b> , 180, 53-61	12
650	Antibodies to recombinant synaptotagmin and calcium channel subtypes in Lambert-Eaton myasthenic syndrome. <b>1995</b> , 133, 95-101	45
649	Recombinant human chromogranin A: expression, purification and characterization of the N-terminal derived peptides. <b>1995</b> , 56, 71-88	27
648	Effective production of the hepatitis C virus core antigen having high purity in Escherichia coli. <b>1995</b> , 38, 229-41	7
647	Transgenic rabbits as bioreactors for the production of human growth hormone. <b>1995</b> , 40, 49-58	41
646	Heterologous expression as a tool for gene identification and analysis. <b>1995</b> , 41, 91-110	12
645	Cloning and expression of plant leghemoglobin cDNA of Lupinus luteus in Escherichia coli and purification of the recombinant protein. <b>1995</b> , 108, 109-117	10
644	Selection of Escherichia coli expression systems. <b>2001</b> , Chapter 5, Unit5.2	2
643	Structural investigation of the antibiotic and ATP-binding sites in kanamycin nucleotidyltransferase. <b>1995</b> , 34, 13305-11	155

642	Preparation of recombinant ADP-ribosylation factor. <b>1995</b> , 257, 128-35		43
641	Molecular cloning and characterization of the extracellular sucrase gene (sacC) of <i>Zymomonas mobilis</i> . <b>1995</b> , 163, 195-204		22
640	A target-specific chimeric toxin composed of epidermal growth factor and <i>Pseudomonas</i> exotoxin A with a deletion in its toxin-binding domain. <b>1995</b> , 43, 498-507		6
639	Expression in <i>Escherichia coli</i> and purification of biologically active L proteinase of foot-and-mouth disease virus. <b>1995</b> , 35, 263-75		14
638	A bacterial thioredoxin-like protein that is exposed to the periplasm has redox properties comparable with those of cytoplasmic thioredoxins. <b>1995</b> , 270, 26178-83		39
637	Tet(O), a protein that mediates ribosomal protection to tetracycline, binds, and hydrolyses GTP. <b>1995</b> , 41, 965-970		14
636	<i>Caenorhabditis elegans</i> UBC-1, a ubiquitin-conjugating enzyme homologous to yeast RAD6/UBC2, contains a novel carboxy-terminal extension that is conserved in nematodes. <b>1995</b> , 14, 883-91		12
635	Determination of the binding sites of RepA, a replication initiator protein of the basic replicon of the IncN group plasmid pCU1. <i>Journal of Molecular Biology</i> , <b>1995</b> , 246, 595-608	6.5	17
634	Substrate preferences of Vsr DNA mismatch endonuclease and their consequences for the evolution of the <i>Escherichia coli</i> K-12 genome. <i>Journal of Molecular Biology</i> , <b>1995</b> , 245, 1-7	6.5	45
633	DNA recognition site analysis of <i>Xenopus</i> winged helix proteins. <i>Journal of Molecular Biology</i> , <b>1995</b> , 248, 239-54	6.5	56
632	Ternary complex formation on leaderless phage mRNA. <b>1995</b> , 17, 151-7		5
631	Thermodynamic evaluation of binding interactions in the methionine repressor system of <i>Escherichia coli</i> using isothermal titration calorimetry. <b>1995</b> , 34, 3212-21		51
630	Activation of a murine autoreactive B cell by immunization with human recombinant autoantigen La/SS-B: characterization of the autoepitope. <b>1995</b> , 8, 825-42		26
629	Localization of protein implicated in establishment of cell type to sites of asymmetric division. <b>1995</b> , 270, 637-40		158
628	Automatic laboratory-scale fed-batch procedure for production of recombinant proteins using inducible expression systems of <i>Escherichia coli</i> . <b>1995</b> , 9, 793-798		5
627	Prokaryotic promoters in biotechnology. <b>1995</b> , 1, 105-28		28
626	Preparation and use of <i>E. coli</i> S-30 extracts. <b>1995</b> , 37, 265-78		16
625	The use of African horse sickness virus NS3 protein, expressed in bacteria, as a marker to differentiate infected from vaccinated horses. <b>1995</b> , 38, 205-18		26



624	Characterisation of the interaction between the nucleoprotein and phosphoprotein of pneumonia virus of mice. <b>1995</b> , 39, 221-35	14
623	Overexpression of a human prostate-specific glandular kallikrein, hK2, in E. coli and generation of antibodies. <b>1995</b> , 109, 237-41	21
622	DNA binding specificity of the basic-helix-loop-helix protein MASH-1. <b>1995</b> , 34, 11026-36	36
621	Mixed population approach for vaccination with live recombinant Salmonella strains. <b>1996</b> , 44, 197-201	10
620	Large scale recovery and purification of periplasmic recombinant protein from E. coli using expanded bed adsorption chromatography followed by new ion exchange media. <b>1996</b> , 48, 9-14	69
619	The position of the heterologous domain can influence the solubility and proteolysis of beta-galactosidase fusion proteins in E. coli. <b>1996</b> , 48, 191-200	59
618	Optimization of recombinant gene expression in Escherichia coli. <b>1996</b> , 782, 182-90	10
617	Use of a modified tryptophanase promoter to direct high-level expression of foreign proteins in E. coli. <b>1996</b> , 782, 297-310	3
616	Kinetics studies for the optimization of recombinant protein formation. <b>1996</b> , 782, 323-33	27
615	Influence of a global deregulation of the heat-shock response on the expression of heterologous proteins in Escherichia coli. <b>1996</b> , 782, 478-85	3
614	Disruption of the active site solvent network in carbonic anhydrase II decreases the efficiency of proton transfer. <b>1996</b> , 35, 16421-8	59
613	Water-soluble, recombinant CuA-domain of the cytochrome ba3 subunit II from Thermus thermophilus. <b>1996</b> , 35, 3387-95	131
612	Glutamic acid gamma-monohydroxamate and hydroxylamine are alternate substrates for Escherichia coli asparagine synthetase B. <b>1996</b> , 35, 3031-7	24
611	Recombinant immunotoxin containing a disulfide-stabilized Fv directed at erbB2 that does not require proteolytic activation. <b>1996</b> , 35, 2872-7	14
610	Studies on the activity of barnase toxins in vitro and in vivo. <b>1996</b> , 7, 23-9	22
609	Purification and characterization of two monomeric kinesin constructs. <b>1996</b> , 35, 6321-9	31
608	V92A mutation altered the folding propensity of chicken apocytochrome c and its interaction with phospholipids. <b>1996</b> , 35, 9460-8	4
607	Cysteine scanning mutagenesis at 40 of 76 positions in villin headpiece maps the F-actin binding site and structural features of the domain. <b>1996</b> , 35, 12677-85	105

606	Escherichia coli outer membrane phospholipase A: role of two serines in enzymatic activity. <b>1996</b> , 35, 7787-93	26
605	Effects of Denys-Drash syndrome point mutations on the DNA binding activity of the WilmsTumor suppressor protein WT1. <b>1996</b> , 35, 12070-6	46
604	Domain organization and DNA-induced conformational changes of an archaeal family B DNA polymerase. <b>1996</b> , 35, 9158-66	15
603	Mannanase A from Pseudomonas fluorescens ssp. cellulosa is a retaining glycosyl hydrolase in which E212 and E320 are the putative catalytic residues. <b>1996</b> , 35, 16195-204	66
602	A fluorescence anisotropy study of DNA binding by HPV-11 E2C protein: a hierarchy of E2-binding sites. <b>1996</b> , 35, 9864-72	31
601	Bacteriophage T7 DNA ligase. Overexpression, purification, crystallization, and characterization. <b>1996</b> , 271, 11083-9	28
600	Characterization of synthetic retinoids with selectivity for retinoic acid or retinoid X nuclear receptors. <b>1996</b> , 1289, 298-304	15
599	Antigenicity of a viral peptide displayed on $\beta$ galactosidase fusion proteins is influenced by the presence of the homologous partner protein. <b>1996</b> , 145, 77-82	
598	A tightly regulated expression system in Escherichia coli with SP6 RNA polymerase. <b>1996</b> , 168, 37-41	10
597	Deletion mapping of the Aequorea victoria green fluorescent protein. <b>1996</b> , 173, 39-44	90
596	Genetic organization of a DNA-processing region required for mobilization of a non-self-transmissible plasmid, pEC3, isolated from Erwinia carotovora subsp. carotovora. <b>1996</b> , 170, 57-62	13
595	Characterisation of the mcpA and mcpB genes capable of encoding methyl-accepting type chemoreceptors in Rhodobacter capsulatus. <b>1996</b> , 170, 73-6	3
594	Escherichia coli strain for thermoinducible T7 RNA polymerase-driven expression. <b>1996</b> , 177, 267-8	3
593	Expression of the bacteriophage T4 DNA terminase genes 16 and 17 yields multiple proteins. <b>1996</b> , 177, 179-89	17
592	The embryo-specific EMB-1 protein of Daucus carota is flexible and unstructured in solution. <b>1996</b> , 115, 17-24	28
591	The lacZ mRNA can be stabilised by the T7 late mRNA leader in E coli. <b>1996</b> , 78, 408-15	11
590	15N labeling method of peptides using a thioredoxin gene fusion expression system: an application to ACTH-(1-24). <b>1996</b> , 379, 47-50	16
589	Identification and characterization of a lower plant Ypt/Rab guanosine dissociation inhibitor (GDI). <b>1996</b> , 396, 298-304	8

588	Three-dimensional structure of glutathione S-transferase from <i>Arabidopsis thaliana</i> at 2.2 Å resolution: structural characterization of herbicide-conjugating plant glutathione S-transferases and a novel active site architecture. <i>Journal of Molecular Biology</i> , <b>1996</b> , 255, 289-309	6.5	189
587	Three hTIM mutants that provide new insights on why TIM is a dimer. <i>Journal of Molecular Biology</i> , <b>1996</b> , 257, 441-56	6.5	95
586	Assembly of T7 capsids from independently expressed and purified head protein and scaffolding protein. <i>Journal of Molecular Biology</i> , <b>1996</b> , 258, 286-98	6.5	52
585	Refined structure of lac repressor headpiece (1-56) determined by relaxation matrix calculations from 2D and 3D NOE data: change of tertiary structure upon binding to the lac operator. <i>Journal of Molecular Biology</i> , <b>1996</b> , 259, 761-73	6.5	54
584	Motility protein complexes in the bacterial flagellar motor. <i>Journal of Molecular Biology</i> , <b>1996</b> , 261, 209-215	6.5	110
583	Mutations affecting the high affinity ATPase center of gpA, the large subunit of bacteriophage lambda terminase, inactivate the endonuclease activity of terminase. <i>Journal of Molecular Biology</i> , <b>1996</b> , 261, 524-35	6.5	35
582	Autonomous and reversible folding of a soluble amino-terminally truncated segment of the mouse prion protein. <i>Journal of Molecular Biology</i> , <b>1996</b> , 261, 614-9	6.5	72
581	Domain structure of the prokaryotic selenocysteine-specific elongation factor SelB. <i>Journal of Molecular Biology</i> , <b>1996</b> , 262, 413-20	6.5	104
580	Evidence for intramolecular processing of prosubtilisin sequestered on a solid support. <i>Journal of Molecular Biology</i> , <b>1996</b> , 262, 595-9	6.5	21
579	Functional domains in protein TrwC of plasmid R388: dissected DNA strand transferase and DNA helicase activities reconstitute protein function. <i>Journal of Molecular Biology</i> , <b>1996</b> , 264, 56-67	6.5	67
578	IS911-mediated transpositional recombination in vitro. <i>Journal of Molecular Biology</i> , <b>1996</b> , 264, 68-81	6.5	58
577	The RecG branch migration protein of <i>Escherichia coli</i> dissociates R-loops. <i>Journal of Molecular Biology</i> , <b>1996</b> , 264, 713-21	6.5	77
576	Characterizing the use of perdeuteration in NMR studies of large proteins: <sup>13</sup> C, <sup>15</sup> N and <sup>1</sup> H assignments of human carbonic anhydrase II. <i>Journal of Molecular Biology</i> , <b>1996</b> , 264, 1101-16	6.5	178
575	Attaching and effacing of host cells by enteropathogenic <i>Escherichia coli</i> in the absence of detectable tyrosine kinase mediated signal transduction. <b>1996</b> , 21, 157-71		29
574	Expression and radiolabeling of recombinant proteins containing a phosphorylation motif. <b>1996</b> , 8, 175-82		12
573	Biochemical characterization of recombinant equine infectious anemia virus integrase. <b>1996</b> , 8, 299-304		4
572	Human non-pancreatic (group II) secreted phospholipase A2 expressed from a synthetic gene in <i>Escherichia coli</i> : characterisation of N-terminal mutants. <b>1996</b> , 1303, 92-102		42
571	Gene product identification and promoter analysis of hig locus of plasmid Rts1. <b>1996</b> , 225, 679-84		33

570	Expression of the <i>petE</i> gene encoding plastocyanin in the photosynthetic prokaryote, <i>Prochlorothrix hollandica</i> . <b>1996</b> , 226, 626-30	6
569	Spectroscopic and voltammetric characterisation of the bacterioferritin-associated ferredoxin of <i>Escherichia coli</i> . <b>1996</b> , 229, 635-42	48
568	Kinetically controlled folding of the serpin plasminogen activator inhibitor 1. <b>1996</b> , 35, 16443-8	54
567	The regulatory protein NIT4 that mediates nitrate induction in <i>Neurospora crassa</i> contains a complex tripartite activation domain with a novel leucine-rich, acidic motif. <b>1996</b> , 29, 537-48	22
566	Characterization of three potato lipoxygenases with distinct enzymatic activities and different organ-specific and wound-regulated expression patterns. <b>1996</b> , 271, 21012-9	162
565	Two point mutations convert a catalytically inactive carbonic anhydrase-related protein (CARP) to an active enzyme. <b>1996</b> , 398, 322-5	42
564	The major cytoplasmic histone acetyltransferase in yeast: links to chromatin replication and histone metabolism. <b>1996</b> , 87, 85-94	372
563	Interaction between the origin recognition complex and the replication licensing system in <i>Xenopus</i> . <b>1996</b> , 87, 287-96	232
562	<i>Bordetella pertussis</i> adenylate cyclase toxin: proCyaA and CyaC proteins synthesised separately in <i>Escherichia coli</i> produce active toxin in vitro. <b>1996</b> , 180, 91-9	31
561	A single vector cloning, mutagenesis and expression system. <b>1996</b> , 183, 259-63	3
560	Cloning, sequencing and expression of an <i>Eikenella corrodens</i> gene encoding a component protein of the lectin-like adhesin complex. <b>1996</b> , 183, 115-21	9
559	Stabilization of human triosephosphate isomerase by improvement of the stability of individual alpha-helices in dimeric as well as monomeric forms of the protein. <b>1996</b> , 35, 4110-7	38
558	Dynamics of ribonuclease H: temperature dependence of motions on multiple time scales. <b>1996</b> , 35, 16009-23	183
557	Malate dehydrogenase from the green gliding bacterium <i>Chloroflexus aurantiacus</i> is phylogenetically related to lactic dehydrogenases. <b>1996</b> , 165, 346-53	16
556	Alternative regulation principles for the production of recombinant proteins in <i>Escherichia coli</i> . <b>1996</b> , 46, 1-9	25
555	Efficient production of <i>Thermus</i> protease aqualysin I in <i>Escherichia coli</i> : effects of cloned gene structure and two-stage culture. <b>1996</b> , 45, 94-101	10
554	Expression, purification, and kinetic characterization of a recombinant 80-kDa intracellular calcium-independent phospholipase A2. <b>1996</b> , 271, 30879-85	78
553	<i>Serratia marcescens</i> contains a heterodimeric HU protein like <i>Escherichia coli</i> and <i>Salmonella typhimurium</i> . <b>1996</b> , 178, 293-7	37

552	ClpX protein of Escherichia coli activates bacteriophage Mu transposase in the strand transfer complex for initiation of Mu DNA synthesis.. <b>1996</b> , 15, 935-944	96
551	RNA Polymerases. <b>1996</b> , 491-565	2
550	DNA binding of in vitro activated Stat1 alpha, Stat1 beta and truncated Stat1: interaction between NH2-terminal domains stabilizes binding of two dimers to tandem DNA sites.. <b>1996</b> , 15, 5616-5626	222
549	Cycling probe technology with RNase H attached to an oligonucleotide. <b>1996</b> , 20, 240-8	44
548	Engineering human interleukin-6 to obtain variants with strongly enhanced bioactivity.. <b>1996</b> , 15, 2726-2737	42
547	Regulation of a heat shock sigma32 homolog in Caulobacter crescentus. <b>1996</b> , 178, 1919-27	50
546	A DNA binding motif coordinating synthesis and degradation in proofreading DNA polymerases.. <b>1996</b> , 15, 3430-3441	35
545	In vitro assembly of virus-like particles with Rous sarcoma virus Gag deletion mutants: identification of the p10 domain as a morphological determinant in the formation of spherical particles. <b>1997</b> , 71, 4425-35	124
544	Derepression of prophage P2 by satellite phage P4: cloning of the P4 epsilon gene and identification of its product. <b>1997</b> , 71, 4502-8	23
543	Plasma membrane targeting of chimeric intracisternal A-type particle polyproteins leads to particle release and specific activation of the viral proteinase. <b>1997</b> , 71, 5209-17	26
542	Serine protease of pestiviruses: determination of cleavage sites. <b>1997</b> , 71, 5415-22	89
541	Mutational analysis of the role of nucleoside triphosphatase P4 in the assembly of the RNA polymerase complex of bacteriophage phi6. <b>1998</b> , 72, 10058-65	26
540	Characterization of the DNA-binding domain of the bovine papillomavirus replication initiator E1. <b>1998</b> , 72, 2567-76	77
539	The transcriptional switch of bacteriophage WPhi, a P2-related but heteroimmune coliphage. <b>1999</b> , 73, 9816-26	21
538	In vitro assembly properties of human immunodeficiency virus type 1 Gag protein lacking the p6 domain. <b>1999</b> , 73, 2270-9	243
537	Dissecting the role of the N-terminal domain of human immunodeficiency virus integrase by trans-complementation analysis. <b>1999</b> , 73, 3176-83	40
536	Signal-mediated import of bacteriophage T7 RNA polymerase into the Saccharomyces cerevisiae nucleus and specific transcription of target genes. <b>1990</b> , 10, 353-360	29
535	Molecular cloning of Xenopus fibrillarin, a conserved U3 small nuclear ribonucleoprotein recognized by antisera from humans with autoimmune disease. <b>1990</b> , 10, 430-434	51

534	Characterization of I-Ppo, an intron-encoded endonuclease that mediates homing of a group I intron in the ribosomal DNA of <i>Physarum polycephalum</i> . <b>1990</b> , 10, 3386-3396	50
533	A tyrosine-phosphorylated carboxy-terminal peptide of the fibroblast growth factor receptor (Flg) is a binding site for the SH2 domain of phospholipase C-gamma 1. <b>1991</b> , 11, 5068-5078	160
532	Activation of skeletal alpha-actin gene transcription: the cooperative formation of serum response factor-binding complexes over positive cis-acting promoter serum response elements displaces a negative-acting nuclear factor enriched in replicating myoblasts and nonmyogenic cells. <b>1991</b> , 11, 5090-5100	59
531	The fission yeast <i>dis3+</i> gene encodes a 110-kDa essential protein implicated in mitotic control. <b>1991</b> , 11, 5839-5847	47
530	A functional 125-kDa core polypeptide of fission yeast DNA topoisomerase II. <b>1991</b> , 11, 6093-6102	27
529	Characterization of motifs which are critical for activity of the cyclic AMP-responsive transcription factor CREB. <b>1991</b> , 11, 1306-1312	80
528	Tst-1, a member of the POU domain gene family, binds the promoter of the gene encoding the cell surface adhesion molecule P0. <b>1991</b> , 11, 1739-1744	49
527	Heterodimers of myogenic helix-loop-helix regulatory factors and E12 bind a complex element governing myogenic induction of the avian cardiac alpha-actin promoter. <b>1991</b> , 11, 2439-2450	42
526	Nur77 is differentially modified in PC12 cells upon membrane depolarization and growth factor treatment. <b>1991</b> , 11, 3239-3246	32
525	Mutation of serum response factor phosphorylation sites and the mechanism by which its DNA-binding activity is increased by casein kinase II. <b>1991</b> , 11, 3652-3659	41
524	Identification of replication factor C from <i>Saccharomyces cerevisiae</i> : a component of the leading-strand DNA replication complex. <b>1992</b> , 12, 155-163	105
523	A novel DNA-binding motif abuts the zinc finger domain of insect nuclear hormone receptor FTZ-F1 and mouse embryonal long terminal repeat-binding protein. <b>1992</b> , 12, 5667-5672	64
522	Protein tyrosine phosphatase containing SH2 domains: characterization, preferential expression in hematopoietic cells, and localization to human chromosome 12p12-p13. <b>1992</b> , 12, 836-846	109
521	Only two of the five zinc fingers of the eukaryotic transcriptional repressor PRDI-BF1 are required for sequence-specific DNA binding. <b>1992</b> , 12, 1940-1949	59
520	Biochemical and genetic characterization of a yeast TFIID mutant that alters transcription in vivo and DNA binding in vitro. <b>1992</b> , 12, 2372-2382	22
519	Murine helix-loop-helix transcriptional activator proteins binding to the E-box motif of the Akv murine leukemia virus enhancer identified by cDNA cloning. <b>1992</b> , 12, 3449-3459	29
518	Two species of human CRK cDNA encode proteins with distinct biological activities. <b>1992</b> , 12, 3482-3489	103
517	DPH5, a methyltransferase gene required for diphthamide biosynthesis in <i>Saccharomyces cerevisiae</i> . <b>1992</b> , 12, 4026-4037	42

516	The DNA-binding defect observed in major histocompatibility complex class II regulatory mutants concerns only one member of a family of complexes binding to the X boxes of class II promoters. <b>1992</b> , 12, 4076-4083	26
515	Isolation of cDNAs encoding the <i>Drosophila</i> GAGA transcription factor. <b>1993</b> , 13, 7961-7970	60
514	Analysis of the SWI4/SWI6 protein complex, which directs G1/S-specific transcription in <i>Saccharomyces cerevisiae</i> . <b>1993</b> , 13, 1069-1077	63
513	Cooperative binding at a distance by even-skipped protein correlates with repression and suggests a mechanism of silencing. <b>1993</b> , 13, 2742-2752	34
512	In <i>Xenopus laevis</i> , the product of a developmentally regulated mRNA is structurally and functionally homologous to a <i>Saccharomyces cerevisiae</i> protein involved in translation fidelity. <b>1993</b> , 13, 2815-2821	15
511	Mouse heat shock transcription factors 1 and 2 prefer a trimeric binding site but interact differently with the HSP70 heat shock element. <b>1993</b> , 13, 3370-3383	41
510	DNA-binding specificity of GATA family transcription factors. <b>1993</b> , 13, 3999-4010	249
509	The protein encoded by a growth arrest-specific gene ( <i>gas6</i> ) is a new member of the vitamin K-dependent proteins related to protein S, a negative coregulator in the blood coagulation cascade. <b>1993</b> , 13, 4976-4985	181
508	Identification of residues in the human DNA repair enzyme HAP1 (Ref-1) that are essential for redox regulation of Jun DNA binding. <b>1993</b> , 13, 5370-5376	104
507	An interaction between the mammalian DNA repair protein XRCC1 and DNA ligase III. <b>1994</b> , 14, 68-76	177
506	The adenovirus E4-6/7 protein transactivates the E2 promoter by inducing dimerization of a heteromeric E2F complex. <b>1994</b> , 14, 1333-1346	67
505	Induction of the rat prodynorphin gene through Gs-coupled receptors may involve phosphorylation-dependent derepression and activation. <b>1994</b> , 14, 2837-2848	12
504	Activation of the glycoprotein hormone alpha-subunit promoter by a LIM-homeodomain transcription factor. <b>1994</b> , 14, 2985-2993	37
503	T7 RNA polymerase-dependent expression of COXII in yeast mitochondria. <b>1994</b> , 14, 4643-4652	23
502	Identification of <i>cut8+</i> and <i>cek1+</i> , a novel protein kinase gene, which complement a fission yeast mutation that blocks anaphase. <b>1994</b> , 14, 6361-6371	18
501	Human T-cell leukemia virus type 1 Tax requires direct access to DNA for recruitment of CREB binding protein to the viral promoter. <b>1998</b> , 18, 721-31	109
500	Cloning and characterization of BCY1, a locus encoding a regulatory subunit of the cyclic AMP-dependent protein kinase in <i>Saccharomyces cerevisiae</i> . <b>1987</b> , 7, 1371-1377	242
499	DNA-binding activities of the <i>Drosophila melanogaster</i> even-skipped protein are mediated by its homeo domain and influenced by protein context. <b>1988</b> , 8, 4598-4607	39

498	Purification of a RAS-responsive adenylyl cyclase complex from <i>Saccharomyces cerevisiae</i> by use of an epitope addition method. <b>1988</b> , 8, 2159-2165	522
497	Properties of the DNA-binding domain of the simian virus 40 large T antigen. <b>1989</b> , 9, 5525-5536	18
496	PRP4: a protein of the yeast U4/U6 small nuclear ribonucleoprotein particle. <b>1989</b> , 9, 3710-3719	81
495	A lysine substitution in the ATP-binding site of eucaryotic initiation factor 4A abrogates nucleotide-binding activity. <b>1989</b> , 9, 4061-4063	35
494	Strategies for achieving high-level expression of genes in <i>Escherichia coli</i> . <b>1996</b> , 60, 512-38	932
493	Charting the Metabolic Landscape of the Facultative Methylophilic <i>Bacillus methanolicus</i> . <b>2020</b> , 5,	5
492	Soluble Expression and Characterization of Biologically Active <i>Bacillus anthracis</i> Protective Antigen in <i>Escherichia coli</i> . <b>2016</b> , 2016, 4732791	2
491	Autoimmunity to two forms of glutamate decarboxylase in insulin-dependent diabetes mellitus. <b>1992</b> , 89, 283-92	312
490	The role of the <i>eae</i> gene of enterohemorrhagic <i>Escherichia coli</i> in intimate attachment in vitro and in a porcine model. <b>1993</b> , 92, 1418-24	254
489	Recombinant Toxins Containing Human Granulocyte-Macrophage Colony-Stimulating Factor and Either <i>Pseudomonas</i> Exotoxin or Diphtheria Toxin Kill Gastrointestinal Cancer and Leukemia Cells. <b>1997</b> , 90, 252-259	12
488	Ki-4(scFv) $\beta$ TA $\beta$ , a new recombinant anti-CD30 immunotoxin with highly specific cytotoxic activity against disseminated Hodgkin tumors in SCID mice. <b>2000</b> , 95, 3909-3914	4
487	Development of chromosome-based T7 RNA polymerase and orthogonal T7 promoter circuit in <i>Escherichia coli</i> W3110 as a cell factory. <b>2020</b> , 7,	6
486	Biological Control by <i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> . <b>1999</b> , 243-302	8
485	Patterns of engrailed protein in early <i>Drosophila</i> embryos. <b>1989</b> , 105, 605-612	57
484	Expression of Abdominal-B homeoproteins in <i>Drosophila</i> embryos. <b>1990</b> , 108, 323-329	73
483	A dominant mutation in the maize homeobox gene, <i>Knotted-1</i> , causes its ectopic expression in leaf cells with altered fates. <b>1992</b> , 116, 21-30	295
482	The protein product of the zebrafish homologue of the mouse <i>T</i> gene is expressed in nuclei of the germ ring and the notochord of the early embryo. <b>1992</b> , 116, 1021-1032	522
481	Repression of <i>Drosophila</i> pair-rule segmentation genes by ectopic expression of <i>tramtrack</i> . <b>1993</b> , 117, 45-58	55



480	Complex regulation of early paired expression: initial activation by gap genes and pattern modulation by pair-rule genes. <b>1993</b> , 117, 609-623	65
479	A new <i>Drosophila</i> homeobox gene, <i>bsh</i> , is expressed in a subset of brain cells during embryogenesis. <b>1993</b> , 117, 793-806	31
478	Identification and characterization of a gene activated by the deformed homeoprotein. <b>1993</b> , 118, 203-214	11
477	Analysis of the gooseberry locus in <i>Drosophila</i> embryos: gooseberry determines the cuticular pattern and activates gooseberry neuro. <b>1993</b> , 118, 21-31	59
476	Function and spatial distribution in developing chick retina of the laminin receptor alpha 6 beta 1 and its isoforms. <b>1993</b> , 118, 377-388	71
475	Expression of zebrafish goosecoid and no tail gene products in wild-type and mutant no tail embryos. <b>1994</b> , 120, 843-852	235
474	SpZ12-1, a negative regulator required for spatial control of the territory-specific <i>CyIIIa</i> gene in the sea urchin embryo. <b>1995</b> , 121, 1111-1122	32
473	A distinct cyclin A is expressed in germ cells in the mouse. <b>1996</b> , 122, 53-64	157
472	Regulation of a <i>dpp</i> target gene in the <i>Drosophila</i> embryo. <b>1997</b> , 124, 303-311	36
471	Regulation of touch receptor differentiation by the <i>Caenorhabditis elegans</i> <i>mec-3</i> and <i>unc-86</i> genes. <b>1998</b> , 125, 4107-4119	95
470	Multiple protein functions of paired in <i>Drosophila</i> development and their conservation in the Gooseberry and Pax3 homologs. <b>2001</b> , 128, 395-405	17
469	Polarized distribution of <i>Listeria monocytogenes</i> surface protein ActA at the site of directional actin assembly. <b>1993</b> , 105, 699-710	143
468	Prp20, the <i>Saccharomyces cerevisiae</i> homolog of the regulator of chromosome condensation, RCC1, interacts with double-stranded DNA through a multi-component complex containing GTP-binding proteins. <b>1993</b> , 106, 287-298	24
467	A calcineurin-like gene <i>ppb1+</i> in fission yeast: mutant defects in cytokinesis, cell polarity, mating and spindle pole body positioning. <b>1994</b> , 107, 1725-1735	125
466	The <i>nullo</i> protein is a component of the actin-myosin network that mediates cellularization in <i>Drosophila melanogaster</i> embryos. <b>1994</b> , 107, 1863-1873	39
465	The 190 kDa centrosome-associated protein of <i>Drosophila melanogaster</i> contains four zinc finger motifs and binds to specific sites on polytene chromosomes. <b>1995</b> , 108, 3377-3387	46
464	<i>Xenopus</i> cyclin E, a nuclear phosphoprotein, accumulates when oocytes gain the ability to initiate DNA replication. <b>1996</b> , 109, 1173-1184	37
463	The spacer protein Spc110p targets calmodulin to the central plaque of the yeast spindle pole body. <b>1996</b> , 109, 2229-2237	37

462	Spinalin, a new glycine- and histidine-rich protein in spines of Hydra nematocysts. <b>1998</b> , 111, 1545-1554	51
461	Characterization of functional domains of mDia1, a link between the small GTPase Rho and the actin cytoskeleton. <b>2001</b> , 114, 3663-3672	45
460	An approach to the production of soluble protein from a fungal gene encoding an aggregation-prone xylanase in Escherichia coli. <b>2011</b> , 6, e18489	18
459	Anti-influenza activity of marchantins, macrocyclic bisbibenzyls contained in liverworts. <b>2011</b> , 6, e19825	66
458	Elucidation of the dual role of Mycobacterial MoeZR in molybdenum cofactor biosynthesis and cysteine biosynthesis. <b>2011</b> , 6, e28170	11
457	Translation levels control multi-spanning membrane protein expression. <b>2012</b> , 7, e35844	5
456	T7 RNA polymerase functions in vitro without clustering. <b>2012</b> , 7, e40207	2
455	The minimal Bacillus subtilis nonhomologous end joining repair machinery. <b>2013</b> , 8, e64232	21
454	Anti-influenza activity of c60 fullerene derivatives. <b>2013</b> , 8, e66337	50
453	Function and X-ray crystal structure of Escherichia coli YfdE. <b>2013</b> , 8, e67901	8
452	Toward repurposing ciclopirox as an antibiotic against drug-resistant Acinetobacter baumannii, Escherichia coli, and Klebsiella pneumoniae. <b>2013</b> , 8, e69646	39
451	A novel prokaryotic promoter identified in the genome of some monopartite begomoviruses. <b>2013</b> , 8, e70037	3
450	Dissecting the molecular properties of prokaryotic flotillins. <b>2015</b> , 10, e0116750	18
449	An Alternative Method to Facilitate cDNA Cloning for Expression Studies in Mammalian Cells by Introducing Positive Blue White Selection in Vaccinia Topoisomerase I-Mediated Recombination. <b>2015</b> , 10, e0139349	2
448	Mesaconase/Fumarase FumD in Escherichia coli O157:H7 and Promiscuity of Escherichia coli Class I Fumarases FumA and FumB. <b>2015</b> , 10, e0145098	9
447	Investigation of Proposed Ladderane Biosynthetic Genes from Anammox Bacteria by Heterologous Expression in E. coli. <b>2016</b> , 11, e0151087	19
446	Transcriptional Regulation of the $\beta$ -Type Carbonic Anhydrase Gene bca by RamA in Corynebacterium glutamicum. <b>2016</b> , 11, e0154382	2
445	Comparative Single-Cell Analysis of Different E. coli Expression Systems during Microfluidic Cultivation. <b>2016</b> , 11, e0160711	19

444	A Highly Active Endo-Levanase BT1760 of a Dominant Mammalian Gut Commensal Bacteroides thetaiotaomicron Cleaves Not Only Various Bacterial Levans, but Also Levan of Timothy Grass. <b>2017</b> , 12, e0169989	28
443	Refinement of immunizing antigens to produce functional blocking antibodies against the AniA nitrite reductase of <i>Neisseria gonorrhoeae</i> . <b>2017</b> , 12, e0182555	9
442	Over expression of the Interferon $\beta$ by optimizing induction conditions using response surface meth-odology. <b>2013</b> , 2,	2
441	Separation of levan-formation and sucrose-hydrolysis catalyzed by levansucrase of <i>Zymomonas mobilis</i> using in vitro mutagenesis. <b>1999</b> , 42,	5
440	Physical-Chemical Properties of L-asparaginase Mutants From <i>Rhodospirillum Rubrum</i> which Showed Antitelomerase Activity. <b>2019</b> , 2,	3
439	Suppression of telomerase activity leukemic cells by mutant forms of <i>Rhodospirillum rubrum</i> L-asparaginase. <b>2017</b> , 63, 62-74	4
438	Biochemical and Genetic Characterization of PspE and GlpE, Two Single-domain Sulfurtransferases of <i>Escherichia coli</i> . <b>2008</b> , 2, 18-28	27
437	Heterologous Expression and Purification of CRISPR-Cas12a/Cpf1. <b>2018</b> , 8, e2842	9
436	Design of a New [ ]-No-More Mutation in With Strong Inhibitory Effect on the [ ] Prion Propagation. <b>2019</b> , 12, 274	7
435	Reversal of inhibition by the T7 concatemer junction sequence on expression from a downstream T7 promoter. <b>2001</b> , 9, 257-64	4
434	Cloning, Purification, Characterization and Immobilization of L-asparaginase II from <i>E. coli</i> W3110. <b>2008</b> , 3, 337-350	19
433	Cloning and expression of a human tissue plasminogen activator variant: K2S in <i>Escherichia coli</i> . <b>2007</b> , 10, 946-9	13
432	From genetic circuits to industrial-scale biomanufacturing: bacterial promoters as a cornerstone of biotechnology. <b>2015</b> , 2, 277-296	5
431	Optimization of the Expression of DT386-BR2 Fusion Protein in using Response Surface Methodology. <b>2017</b> , 6, 22	11
430	Terahertz vibrational spectroscopy of <i>E. coli</i> and molecular constituents: Computational modeling and experiment. <b>2013</b> , 04, 493-503	10
429	An Improved Enzyme-Linked Immunoassay for the Detection of -Specific Antibodies. <b>2018</b> , 99, 266-274	5
428	Alteration of the quaternary structure of human UDP-glucose dehydrogenase by a double mutation. <b>2007</b> , 40, 690-6	5
427	Inhibitory properties of nerve-specific human glutamate dehydrogenase isozyme by chloroquine. <b>2007</b> , 40, 1077-82	12

426	Roles of cysteine residues in the inhibition of human glutamate dehydrogenase by palmitoyl-CoA. <b>2012</b> , 45, 707-12	3
425	Influence of Foreign DNA Introduction and Periplasmic Expression of Recombinant Human Interleukin-2 on Hydrogen Peroxide Quantity and Catalase Activity in Escherichia coli. <b>2013</b> , 3, 395-402	2
424	Expression and Purification of the Recombinant Cytochrome P450 CYP141 Protein of Mycobacterium Tuberculosis as a Diagnostic Tool and Vaccine Production. <b>2015</b> , 17, e23191	5
423	Measuring protein stability in the GroEL chaperonin cage reveals massive destabilization. <b>2020</b> , 9,	4
422	Structural basis for the reaction cycle of DASS dicarboxylate transporters. <b>2020</b> , 9,	18
421	Expression, refolding and spectroscopic characterization of fibronectin type III (FnIII)-homology domains derived from human fibronectin leucine rich transmembrane protein (FLRT)-1, -2, and -3. <b>2017</b> , 5, e3550	3
420	Integrated downstream regulation by the quorum-sensing controlled transcription factors LrhA and RcsA impacts phenotypic outputs associated with virulence in the phytopathogen subsp.. <b>2017</b> , 5, e4145	4
419	SEVAtile: a standardised DNA assembly method optimised for Pseudomonas. <b>2021</b> , 15, 370	2
418	A hunt for OM45 synthetic petite interactions in Saccharomyces cerevisiae reveals a role for Miro GTPase Gem1p in cristae structure maintenance. <b>2021</b> , 10, e1238	
417	A standardized genome architecture for bacterial synthetic biology (SEGA). <b>2021</b> , 12, 5876	1
416	PBP1 of Staphylococcus aureus has multiple essential functions in cell division.	
415	A Robust Platform for Unnatural Amino Acid Mutagenesis in E. coli Using the Bacterial Tryptophanyl-tRNA synthetase/tRNA pair. <i>Journal of Molecular Biology</i> , <b>2021</b> , 167304	6.5 1
414	The Human NUP58 Nucleoporin Can Form Amyloids In Vitro and In Vivo. <b>2021</b> , 9,	0
413	Disruption of nucleoid expanded conformation by toxic aberrant proteins synthesized in Escherichia coli.	
412	Targetron-Assisted Delivery of Exogenous DNA Sequences into through CRISPR-Aided Counterselection. <b>2021</b> , 10, 2552-2565	2
411	Metabolic Approaches for the Optimisation of Recombinant Fermentation Processes. <b>2001</b> , 179-188	
410	Production of Enzymes as Fine Chemicals. <b>2001</b> , 73-120	
409	Antibody-toxin and Growth Factor-toxin Fusion Proteins. <b>2002</b> , 71-77	

- 408 Phenotype display of Escherichia coli BL21 (DE3) cell metabolism during growth in the media containing various types of carbon substrates. **2002**, 18, 232-236
- 407 Expression of enzymatically-active phospholipase Cgamma2 in E. coli. **2002**, 35, 508-12 1
- 406 Role of Nucleic Acid and Protein Manipulation Technologies in High-throughput Structural Biology Efforts. **2003**, 2
- 405 Biosynthesis of human basic fibroblast growth factor in soluble form in Escherichia coli and its purification. **2003**, 19, 179-184 4
- 404 Overproduction of human  $\alpha$ -2b interferon in a soluble form in Escherichia coli cells using the bacteriophage T7 RNA polymerase-base expression system. **2003**, 19, 367-373 2
- 403 Influence of various inductor concentrations on the human alpha-2b interferon production in the bacteriophage T7 RNA polymerase-base expression system in Escherichia coli cells. **2003**, 19, 457-462 1
- 402 Overexpression and Secretion of Biocatalysts in Pseudomonas. **2003**, 1
- 401 Fibrous Proteins from Recombinant Microorganisms.
- 400 Molecular Cloning of the Nucleotide Binding Domain of Sulphonylurea Receptor 1, a Component of the ATP-sensitive K-channel. **2005**, 5, 141-152
- 399 Bibliography. **2005**, 461-539
- 398 Characterization of the Hypersensitive Response Eliciting Protein, HarpinEs, of Erwinia (Pantoea) stewartii and its Role in Determining the Pathogenicity of the Bacterium on Corn. **2005**, 8, 1368-1375
- 397 Construction of Xylose-Inducible Expression Vector Using xylA Promoter of Escherichia coli. **2010**, 53, 1-7
- 396 3. Gene Delivery and Expression Series Overexpression of Recombinant Protein in Bacterial Cells (2). **2011**, 7, 169-174
- 395 Site-directed Mutagenesis Analysis Elucidates the Role of 223/227 Arginine in 23S rRNA Methylation, Which Is in Target Adenine Binding Loop Region of ErmSF. **2012**, 48, 79-86
- 394 Mutational Analysis Elucidates the Role of Conserved 237 Arginine in 23S rRNA Methylation, Which is in the Concave Cleft Region of ErmSF. **2013**, 49, 105-111
- 393 Biotechnology. **2014**, 794, 95-140 0
- 392 Molecular Life Sciences. **2014**, 1-12
- 391 DNA Cloning. 97-139

- 390 Methods for Protein Mutagenesis Using Molecular Biology. **1987**, 97-119
- 389 p34, a protein kinase involved in cell cycle regulation in eukaryotic cells. **1988**, 231, 453-7
- 388 THE DE NOVO DESIGN OF PROTEIN STRUCTURES. **1990**, 173-182
- 387 Culture Conditions Affect Differently the Translation of Individual Escherichia Coli mRNAs. **1990**, 145-155
- 386 Comparison of efficiency of use of early and late promoters of T7 phage for  $\beta$ -galactosidase gene expression in Escherichia coli. **1990**, 6, 100-103 1
- 385 Expression of the Chloroplast atpB Gene of Chlamydomonas reinhardtii in E. coli. **1990**, 2099-2102
- 384 Selective killing of IL6 receptor bearing myeloma cells using recombinant IL6-Pseudomonas toxin. **1990**, 166, 63-9 3
- 383 Cell-specific toxicity of a chimeric protein composed of interleukin-6 and Pseudomonas exotoxin (IL6-PE40) on tumor cells. **1990**, 10, 2443-2447 3
- 382 Induction of transformation and DNA synthesis after microinjection of raf proteins. **1990**, 10, 3828-3833 18
- 381 CD4-PE40 $\Delta$  Chimeric Toxin Active against Human Immunodeficiency Virus (HIV)-Infected Cells. **1991**, 379-387
- 380 Sequence-Specific DNA Binding Activities of Even Skipped and Other Homeo Box Proteins in Drosophila. **1991**, 279-304
- 379 phyA Gene Promoter Analysis. **1991**, 499-508
- 378 Substitution of foreign protein sequences into a chimeric toxin composed of transforming growth factor alpha and Pseudomonas exotoxin. **1991**, 11, 1751-1753 4
- 377 Towards Protein Engineering of Chlamydomonas Reinhardtii Chloroplast ATP Synthase. **1992**, 583-588 1
- 376 Recombinant DNA techniques in production. **1992**, 161-175 0
- 375 Conserved DNA binding and self-association domains of the Drosophila zeste protein. **1992**, 12, 598-608 17
- 374 Drosophila transcriptional repressor protein that binds specifically to negative control elements in fat body enhancers. **1992**, 12, 4093-4103 22
- 373 Pseudomonas exotoxin A-epidermal growth factor (EGF) mutant chimeric protein as an indicator for identifying amino acid residues important in EGF-receptor interaction.. **1992**, 267, 24034-24040 4

- 372 Novel member of the zinc finger superfamily: A C2-HC finger that recognizes a glia-specific gene. **1992**, 12, 5632-5639 37
- 371 Three-Dimensional Structure of the Human Retinoic Acid Receptor-DNA Binding Domain: Implications for DNA-Binding. **1993**, 153-168
- 370 Expression, purification, characterization, and deletion mutations of phosphorylase kinase  $\alpha$  subunit: identification of an inhibitory domain in the  $\beta$  subunit. **1993**, 7-18
- 369 Induction of liver alpha-1 acid glycoprotein gene expression involves both positive and negative transcription factors. **1993**, 13, 432-442 13
- 368 Transcriptional control of the chicken cardiac myosin light-chain gene is mediated by two AT-rich cis-acting DNA elements and binding of serum response factor. **1993**, 13, 6907-6918 10
- 367 Characterization of genes involved in phaseolotoxin production and its thermal regulation. **1994**, 415-428
- 366 Transcriptional involvement of the Hepatitis B Virus Protein in Cellular Transduction Systems. Protein-Protein Interactions with Bzip transactivators. **1994**, 341-358
- 365 Cloning, expression, and chromosomal localization of the 140-kilodalton subunit of replication factor C from mice and humans. **1994**, 14, 1626-1634 16
- 364 Detection of biological activity of human interleukin 2 which obtained by microbiological synthesis in *E. coli* directed by c-DNA gene. **1994**, 10, 52-56
- 363 Identification of I-plastin, a human fimbrin isoform expressed in intestine and kidney. **1994**, 14, 2457-2467 33
- 362 Intragenic suppression of integration-defective IS10 transposase mutants. **1994**, 137, 343-52 8
- 361 A cell-specific factor represses stimulation of transcription in vitro by transcriptional enhancer factor 1. **1994**, 14, 5290-5299 13
- 360 The REC2 gene encodes the homologous pairing protein of *Ustilago maydis*. **1994**, 14, 7163-7172 12
- 359 Distinct protein forms are produced from alternatively spliced bicistronic glutamic acid decarboxylase mRNAs during development. **1994**, 14, 7535-7545 30
- 358 Purine salvage enzymes as targets for the chemotherapeutic treatment of parasitic diseases. **1994**, 10, 65-71 4
- 357 Transcriptional Factors Which Control Hydrogenase Synthesis in *Rhodobacter Capsulatus*. **1995**, 2405-2408
- 356 Overproduction of Proteins Using Expression-Cassette Polymerase Chain Reaction. **1995**, 277-300
- 355 Cationic Liposome-Mediated RNA Transfection. **1995**, 551-561

- 354 pBluescriptII: Multifunctional Cloning and Mapping Vectors. **1995**, 171-183
- 353 Target Site Determination for *Xenopus Laevis* Fork Head Related Transcription Factors. **1995**, 79-92
- 352 Inhibitor-resistant mutants of the HIV-1 aspartic protease. **1995**, 362, 407-11
- 351 DNA Amplification-Restricted Transcription Translation (DARTT): Analysis of In Vitro and In Situ Protein Functions and Intermolecular Assembly. **1995**, 237-248
- 350 Vector pPLEX for Expression of Nonfusion Polypeptides in *Escherichia coli*. **1995**, 247-255
- 349 Genetically Expressed Monodisperse Helical Polypeptides. **1996**, 159-169
- 348 Preparation, purification and crystallization of antibody Fabs and single-chain Fv domains. **1996**, 15-1
- 347 NMR Structures of Serine Proteinase Inhibitors LDTI and RBI, and Comparison With X-ray Structures. **1996**, 9-27
- 346 Cardiac Myocytes Gap Junctions: Phosphorylation of CX43 through a Protein Kinase C-Dependent Pathway. **1997**, 381-394
- 345 Characterization of Clones. **1997**, 221-277
- 344 Nitrogen fixing cyanobacteria as BTi toxin genes delivery system a biotechnological approach to control malaria mosquitoes. **1997**, 97-109
- 343 The Chloroplast Small Heat Shock Protein Studied by Peptide Mapping and Mass Spectrometry Using Purified Recombinant Protein From *Arabidopsis Thaliana* and Pea. **1998**, 2457-2460
- 342 Autonomous Folding and Three-Dimensional Structure of the Carboxy-Terminal Domain of the Mouse Prion Protein, PrP(121-31). **1998**, 203-216
- 341 The Chloroplast Small Heat Shock Protein in Transgenic *Arabidopsis Thaliana*. **1998**, 2461-2464
- 340 Role of the Gamma Subunit in Regulating the Activity of the Chloroplast ATP Synthase. **1998**, 1667-1672
- 339 Genetic - Based Assays of Viral Proteases. **1999**, 77-89
- 338 Protein Drug Manufacturing. **1999**, 275-327
- 337 Expression of Soybean Vegetative Storage Proteins (VSP) in Tobacco Leaves. **1999**, 293-296



- 336 The Cellulolytic System of Cyst Nematodes. **2015**, 47-59
- 335 Optimization of Vasopressin Type 2 Receptor Expression in Escherichia coli BL21. **2016**, 11,
- 334 Characterization of a putative NsrR homologue in Streptomyces venezuelae reveals a new member of the Rrf2 superfamily.
- 333 Large-Scale Expression and Purification of Recombinant Proteins in Cultured Cells. **2016**, 411-444
- 332 Cloning and Expression of Heterologous Genes: Environmental Applications. **2016**, 177-203
- 331 In vitro activity comparison of Erm proteins from Firmicutes and Actinobacteria. **2016**, 52, 269-277
- 330 Engineering Permissive Insertion Sites in the Bacteriophage Phi29 DNA-Linked Terminal Protein. **2016**, 11, e0164901
- 329 Bacterial expression of the recombinant functionally active N-terminal module of the B. taurus tyrosyl-tRNA synthetase. **2017**, 23, 33-37
- 328 Sequencing Strategies. **2017**, 61-80
- 327 Bifunctionality of a biofilm matrix protein controlled by redox state.
- 326 EsaB is a core component of the Staphylococcus aureus Type VII secretion system.
- 325 Formation of functional, non-amyloidogenic fibres by recombinant Bacillus subtilis TasA. 1
- 324 Codon-Dependent Translational Accuracy Controls Protein Quality in Escherichia coli but not in Saccharomyces cerevisiae.
- 323 Programmed hierarchical patterning of bacterial populations.
- 322 Molecular Life Sciences. **2018**, 925-935
- 321 Switching the Post-Translational Modification of Elongation Factor P.
- 320 Shaperone-dependent optimization of expression in E.coli and purification of soluble recombinant lipid a phosphatase LpxE from Francisella tularensis. **2018**, 36, 29
- 319 Dub-seq: dual-barcoded shotgun expression library sequencing for high-throughput characterization of functional traits.

- 318 The requirement for the amino acid co-germinant during *C. difficile* spore germination is influenced by mutations in *yabG* and *cspA*.
- 317 *Escherichia coli*: A Versatile Platform for Recombinant Protein Expression.
- 316 Industrial Processes Involving Bacteriophages. **2019**, 1-16
- 315 Post-translational modifications of *Drosophila melanogaster* HOX protein, Sex combs reduced.
- 314 Isolation and characterization of the mutant N-terminal catalytic module of the *B. taurus* Tyrosyl-tRNA synthetase with the replacement of Trp87 and Trp283 by alanine. **2019**, 26, 30-35
- 313 Two novel heteropolymer-forming proteins maintain multicellular shape of the cyanobacterium *Anabaena* sp. PCC 7120. 0
- 312 The MarR-type regulator MalR is involved in stress-responsive cell envelope remodeling in *Corynebacterium glutamicum*.
- 311 Rare earth element (REE)-dependent growth of *Pseudomonas putida* KT2440 depends on the ABC-transporter *PedA1A2BC* and is influenced by iron availability. 1
- 310 Identification and characterization of novel filament-forming proteins in cyanobacteria.
- 309 Tunable genetic devices through simultaneous control of transcription and translation.
- 308 ArdC protein overpasses the recipient *hsdRMS* restriction system broadening conjugation host range.
- 307 Optogenetic lac operon to control chemical and protein production in *Escherichia coli* with light.
- 306 Nudix hydrolases with Coenzyme A (CoA) and acyl-CoA pyrophosphatase activities confer growth advantage to. **2019**, 165, 1219-1232
- 305 Roles of two glutathione S-transferases in the final step of the ß-aryl ether cleavage pathway in *Sphingobium* sp. strain SYK-6.
- 304 *Sphingobium* sp. SYK-6 syringate O-demethylase gene is regulated by DesX, unlike other vanillate and syringate catabolic genes regulated by DesR.
- 303 Morphological Biodiversity of Bacteriophages from Lysed Batch Culture of Recombinant *Escherichia coli* BL21 (DE3). **2020**, 82, 80-93
- 302 Recombinant expression of insoluble enzymes in *Escherichia coli*: a systematic review of experimental design and its manufacturing implications. **2021**, 20, 208 1
- 301 Expressing Cloned Genes for Protein Production, Purification, and Analysis. **2021**, 2021, 1

300 Starting a new recombinant protein production project in *Escherichia coli*. **2021**, 659, 3-18

299 Biodiversity Of Bacteriophages From Lysed Batch Culture Of Recombinant *Escherichia Coli* BL21(DE3) Examined By Anion Exchange Chromatography And TEM.

298 Streptavidin (Sav)-Based Artificial Metalloenzymes: Cofactor Design Considerations and Large-Scale Expression of Host Protein Variants. **2020**, 213-235

297 A novel toxin-antitoxin module SlvTBlvA governs megaplasmid stability and incites solvent tolerance in *Pseudomonas putida* S12.

296 Engineering *Escherichia coli* for Bacterial Natural Product Production. **2020**, 136-148

295 Production of an Antibody Fragment (scFv) Targeting PcrV Protein of *Pseudomonas aeruginosa* in Fed-Batch Cultivation Mode. **2021**, 25, 390-8

294 Improving the Intensity of Integrated Expression for Microbial Production. **2021**, 10, 2796-2807

1

293 Synthetic promoter based azide biosensor toolkit to advance chemical-biology.

292 Superoxide-Dependent Nitrogen Fixation. **2000**, 23-30

2

291 Affinity Tags in Protein Purification and Peptide Enrichment: An Overview. **2021**, 2178, 107-132

1

290 Correlating the structure and activity of *Y. pestis* Ail in a bacterial cell envelope.

289 Identification of the carboxyl-terminal amino acids important for the ADP-ribosylation activity of *Pseudomonas* exotoxin A. **1989**, 264, 18818-18823

10

288 Production of Maral (*Cervus elaphus sibiricus* Severtzov) Recombinant Chymosin in the Prokaryotic Expression System and the Study of the Aggregate of Its Biochemical Properties Relevant for the Cheese-Making Industry. **2020**, 56, 647-656

2

287 Isolation and characterization of the mutant form of N-terminal catalytically module of *Bos taurus* tyrosyl-tRNA synthetase with the replacement of Trp 40 and Trp 283 by alanine. **2020**, 36, 329-340

286 Lymphocyte-specific Ca<sup>2+</sup>-binding protein LSP1 is associated with the cytoplasmic face of the plasma membrane. **1989**, 9, 3043-3048

9

285 Multiple, distinct isoforms of sucrose synthase in pea. **2001**, 127, 655-64

43

284 Structural and functional analysis of temperature-sensitive mutants of the phage phi 29 DNA polymerase. **1990**, 18, 4763-70

28

283 The stability of *Escherichia coli* lacZ mRNA depends upon the simultaneity of its synthesis and translation. **1995**, 14, 3252-61

79

282	Identification and characterization of a new disulfide isomerase-like protein (DsbD) in <i>Escherichia coli</i> . <b>1995</b> , 14, 3415-24	64
281	Two mutations in the HMG-box with very different structural consequences provide insights into the nature of binding to four-way junction DNA. <b>1995</b> , 14, 3844-53	18
280	SLU7 and a novel activity, SSF1, act during the PRP16-dependent step of yeast pre-mRNA splicing. <b>1995</b> , 14, 4001-9	68
279	X-ray crystallography shows that translational initiation factor IF3 consists of two compact alpha/beta domains linked by an alpha-helix. <b>1995</b> , 14, 4056-64	41
278	The Polycomb-group gene, extra sex combs, encodes a nuclear member of the WD-40 repeat family. <b>1995</b> , 14, 4296-306	27
277	Crystal structure of prokaryotic ribosomal protein L9: a bi-lobed RNA-binding protein. <b>1994</b> , 13, 205-12	37
276	Electron transfer from plastocyanin to photosystem I. <b>1994</b> , 13, 1028-38	30
275	Generation of interleukin-6 receptor antagonists by molecular-modeling guided mutagenesis of residues important for gp130 activation. <b>1994</b> , 13, 1357-67	28
274	Conjugative transposition: Tn916 integrase contains two independent DNA binding domains that recognize different DNA sequences. <b>1994</b> , 13, 1541-8	21
273	A thermodynamic scale for leucine zipper stability and dimerization specificity: e and g interhelical interactions. <b>1994</b> , 13, 2849-61	80
272	Rational design of a receptor super-antagonist of human interleukin-6. <b>1994</b> , 13, 5863-70	18
271	Processing of intermediates in recombination and DNA repair: identification of a new endonuclease that specifically cleaves Holliday junctions. <b>1994</b> , 13, 6133-42	44
270	Phosphoglycerate kinase and triosephosphate isomerase from the hyperthermophilic bacterium <i>Thermotoga maritima</i> form a covalent bifunctional enzyme complex. <b>1995</b> , 14, 442-51	26
269	The crystal structure of p13suc1, a p34cdc2-interacting cell cycle control protein. <b>1995</b> , 14, 1004-14	12
268	Activation of a <i>Drosophila</i> Janus kinase (JAK) causes hematopoietic neoplasia and developmental defects. <b>1995</b> , 14, 2857-65	163
267	Isolation and analysis of the C-terminal signal directing export of <i>Escherichia coli</i> hemolysin protein across both bacterial membranes. <b>1989</b> , 8, 595-605	69
266	Developmental expression of the protein product of Vg1, a localized maternal mRNA in the frog <i>Xenopus laevis</i> . <b>1989</b> , 8, 1057-65	17
265	Structure and developmental expression of the chicken CDC2 kinase. <b>1989</b> , 8, 3071-8	38

- 264 Escherichia coli 16S rRNA 3' end formation requires a distal transfer RNA sequence at a proper distance. **1989**, 8, 3159-66 4
- 263 Isolation of two tissue-specific Drosophila paired box genes, Pox meso and Pox neuro. **1989**, 8, 3447-57 39
- 262 Dissociation of synthetic Holliday junctions by E. coli RecG protein. **1993**, 12, 17-22 85
- 261 Yeast Wbp1p and Swp1p form a protein complex essential for oligosaccharyl transferase activity. **1993**, 12, 279-84 42
- 260 Distinct TFIID complexes mediate the effect of different transcriptional activators. **1993**, 12, 489-99 96
- 259 Rab9 functions in transport between late endosomes and the trans Golgi network. **1993**, 12, 677-82 206
- 258 A novel multicopy suppressor of a groEL mutation includes two nested open reading frames transcribed from different promoters. **1993**, 12, 889-96 13
- 257 Cell-type-specific mechanisms of transcriptional repression by the homeotic gene products UBX and ABD-A in Drosophila embryos. **1993**, 12, 1099-109 23
- 256 Related chromosome binding sites for zeste, suppressors of zeste and Polycomb group proteins in Drosophila and their dependence on Enhancer of zeste function. **1993**, 12, 1513-22 118
- 255 Stepwise assembly of hyperaggregated forms of Drosophila zeste mutant protein suppresses white gene expression in vivo. **1993**, 12, 2061-73 14
- 254 Kettin, a large modular protein in the Z-disc of insect muscles. **1993**, 12, 2863-71 37
- 253 Genetic analysis of the leucine heptad repeats of Lac repressor: evidence for a 4-helical bundle. **1993**, 12, 3227-36 22
- 252 The heat shock cognate protein from Dictyostelium affects actin polymerization through interaction with the actin-binding protein cap32/34. **1993**, 12, 3763-71 15
- 251 Phosphorylation of KSP motifs in the C-terminal region of titin in differentiating myoblasts. **1993**, 12, 3827-34 28
- 250 Ribosomal protein L6: structural evidence of gene duplication from a primitive RNA binding protein. **1993**, 12, 4901-8 20
- 249 The beta 1 and beta 2 subunits of the AP complexes are the clathrin coat assembly components. **1993**, 12, 5237-44 51
- 248 The C-terminal helix in subdomain 4 of the regulatory light chain is essential for myosin regulation. **1993**, 12, 4877-84 8
- 247 Identification and properties of the RNA-dependent RNA polymerase of hepatitis C virus. **1996**, 15, 12-22 223

246	Primer-terminus stabilization at the 3'5' exonuclease active site of phi29 DNA polymerase. Involvement of two amino acid residues highly conserved in proofreading DNA polymerases. <b>1996</b> , 15, 1182-92	28
245	Linking microfilaments to intracellular membranes: the actin-binding and vesicle-associated protein comitin exhibits a mannose-specific lectin activity. <b>1996</b> , 15, 1238-46	18
244	Epidermal egr-like zinc finger protein of Drosophila participates in myotube guidance. <b>1996</b> , 15, 1642-9	46
243	Aspartate 203 of the oxaloacetate decarboxylase beta-subunit catalyses both the chemical and vectorial reaction of the Na <sup>+</sup> pump. <b>1996</b> , 15, 1842-9	12
242	Restriction by EcoKI is enhanced by co-operative interactions between target sequences and is dependent on DEAD box motifs. <b>1996</b> , 15, 2003-9	26
241	Engineering human interleukin-6 to obtain variants with strongly enhanced bioactivity. <b>1996</b> , 15, 2726-37	3
240	ClpX protein of Escherichia coli activates bacteriophage Mu transposase in the strand transfer complex for initiation of Mu DNA synthesis. <b>1996</b> , 15, 935-44	38
239	The xanthopsins: a new family of eubacterial blue-light photoreceptors. <b>1996</b> , 15, 3209-18	24
238	A DNA binding motif coordinating synthesis and degradation in proofreading DNA polymerases. <b>1996</b> , 15, 3430-41	15
237	The functional conservation of proteins in evolutionary alleles and the dominant role of enhancers in evolution. <b>1996</b> , 15, 3722-31	13
236	Counteracting the mutagenic effect of hydrolytic deamination of DNA 5-methylcytosine residues at high temperature: DNA mismatch N-glycosylase Mig.Mth of the thermophilic archaeon Methanobacterium thermoautotrophicum THF. <b>1996</b> , 15, 5459-69	32
235	DNA binding of in vitro activated Stat1 alpha, Stat1 beta and truncated Stat1: interaction between NH2-terminal domains stabilizes binding of two dimers to tandem DNA sites. <b>1996</b> , 15, 5616-26	81
234	TolA central domain interacts with Escherichia coli porins. <b>1996</b> , 15, 6408-15	28
233	Requirement for PP1 phosphatase and 20S cyclosome/APC for the onset of anaphase is lessened by the dosage increase of a novel gene sds23+. <b>1996</b> , 15, 6629-40	26
232	Cyclin B in Xenopus oocytes: implications for the mechanism of pre-MPF activation. <b>1991</b> , 10, 177-82	48
231	S. pombe pac1+, whose overexpression inhibits sexual development, encodes a ribonuclease III-like RNase. <b>1991</b> , 10, 221-6	29
230	Differential phosphorylation of vertebrate p34cdc2 kinase at the G1/S and G2/M transitions of the cell cycle: identification of major phosphorylation sites. <b>1991</b> , 10, 305-16	151
229	The maize regulatory locus Opaque-2 encodes a DNA-binding protein which activates the transcription of the b-32 gene. <b>1991</b> , 10, 617-24	101

228	Translational control of transposition activity of the bacterial insertion sequence IS1. <b>1991</b> , 10, 705-12	37
227	HBP-1a and HBP-1b: leucine zipper-type transcription factors of wheat. <b>1991</b> , 10, 1459-67	61
226	Disassembly of in vitro formed lamin head-to-tail polymers by CDC2 kinase. <b>1991</b> , 10, 1535-44	49
225	Gene expression mediated by cis-acting sequences of the Krüppel gene in response to the <i>Drosophila</i> morphogens bicoid and hunchback. <b>1991</b> , 10, 2267-78	48
224	Activation of the nimA protein kinase plays a unique role during mitosis that cannot be bypassed by absence of the bimE checkpoint. <b>1991</b> , 10, 2669-79	40
223	Energetically distinct early and late stages of HlyB/HlyD-dependent secretion across both <i>Escherichia coli</i> membranes. <b>1991</b> , 10, 3263-72	25
222	TnpA product encoded by the transposable element En-1 of <i>Zea mays</i> is a DNA binding protein. <b>1988</b> , 7, 4045-53	77
221	Association of the <i>Drosophila melanogaster</i> engrailed protein with specific soluble nuclear protein complexes. <b>1988</b> , 7, 4291-7	6
220	Isolation and sequence-specific DNA binding of the Antennapedia homeodomain. <b>1988</b> , 7, 4299-304	80
219	The lethal lambda S gene encodes its own inhibitor. <b>1990</b> , 9, 981-9	38
218	The segment-specific gene Krox-20 encodes a transcription factor with binding sites in the promoter region of the Hox-1.4 gene. <b>1990</b> , 9, 1209-18	55
217	Multiple domains of U1 snRNA, including U1 specific protein binding sites, are required for splicing. <b>1990</b> , 9, 1237-44	37
216	A neuropeptide precursor in cerebellum: proenkephalin exists in subpopulations of both neurons and astrocytes. <b>1990</b> , 9, 1787-95	26
215	Mutational analysis of ligand binding activity of beta 2 adrenergic receptor expressed in <i>Escherichia coli</i> . <b>1990</b> , 9, 2679-84	8
214	The A- and B-type cyclin associated cdc2 kinases in <i>Xenopus</i> turn on and off at different times in the cell cycle. <b>1990</b> , 9, 2865-75	137
213	p40MO15, a cdc2-related protein kinase involved in negative regulation of meiotic maturation of <i>Xenopus</i> oocytes. <b>1990</b> , 9, 3233-40	33
212	The p53 tumour suppressor protein is phosphorylated at serine 389 by casein kinase II. <b>1990</b> , 9, 3253-60	99
211	<i>Drosophila</i> cdc2 homologs: a functional homolog is coexpressed with a cognate variant. <b>1990</b> , 9, 3573-81	66

210	Thyroid nuclear factor 1 (TTF-1) contains a homeodomain and displays a novel DNA binding specificity. <b>1990, 9, 3631-9</b>	125
209	Inhibition of lymphocyte mediated cytotoxicity by perforin antisense oligonucleotides. <b>1990, 9, 3815-9</b>	16
208	The interaction with DNA of wild-type and mutant fushi tarazu homeodomains. <b>1990, 9, 3967-74</b>	66
207	Identification of a region in segment 1 of gelsolin critical for actin binding. <b>1990, 9, 4103-9</b>	63
206	The Drosophila membrane receptor Toll can function to promote cellular adhesion. <b>1990, 9, 4299-306</b>	24
205	The A- and B-type cyclins of Drosophila are accumulated and destroyed in temporally distinct events that define separable phases of the G2-M transition. <b>1990, 9, 2563-72</b>	98
204	The product of the mei3+ gene, expressed under control of the mating-type locus, induces meiosis and sporulation in fission yeast. <b>1987, 6, 729-36</b>	123
203	Expression of proteins essential for IS1 transposition: specific binding of InsA to the ends of IS1. <b>1987, 6, 3163-9</b>	28
202	p13suc1 acts in the fission yeast cell division cycle as a component of the p34cdc2 protein kinase. <b>1987, 6, 3507-14</b>	132
201	DNA binding by c-Ets-1, but not v-Ets, is repressed by an intramolecular mechanism. <b>1992, 11, 643-52</b>	66
200	Antp-type homeodomains have distinct DNA binding specificities that correlate with their different regulatory functions in embryos. <b>1992, 11, 991-1002</b>	48
199	Alternatively spliced transcripts of the Drosophila tramtrack gene encode zinc finger proteins with distinct DNA binding specificities. <b>1992, 11, 1035-44</b>	56
198	The DNA binding site of HMG1 protein is composed of two similar segments (HMG boxes), both of which have counterparts in other eukaryotic regulatory proteins. <b>1992, 11, 1055-63</b>	87
197	Gene amplification at a locus encoding a putative Na <sup>+</sup> /H <sup>+</sup> antiporter confers sodium and lithium tolerance in fission yeast. <b>1992, 11, 1631-40</b>	52
196	Towards a molecular understanding of titin. <b>1992, 11, 1711-6</b>	123
195	Relocation and distinct subcellular localization of p34cdc2-cyclin B complex at meiosis reinitiation in starfish oocytes. <b>1992, 11, 1763-72</b>	66
194	The acidic transcriptional activator GAL-VP16 acts on preformed template-committed complexes. <b>1992, 11, 2229-40</b>	67
193	Brain 4: a novel mammalian POU domain transcription factor exhibiting restricted brain-specific expression. <b>1992, 11, 2551-61</b>	41



- 192 Two regulatory proteins that bind to the basic transcription element (BTE), a GC box sequence in the promoter region of the rat P-4501A1 gene. **1992**, 11, 3663-71 106
- 191 A POU-A related region dictates DNA binding specificity of LFB1/HNF1 by orienting the two XL-homeodomains in the dimer. **1992**, 11, 4119-29 17
- 190 GT-2: a transcription factor with twin autonomous DNA-binding domains of closely related but different target sequence specificity. **1992**, 11, 4131-44 35
- 189 Site-directed mutagenesis at the Exo III motif of phi 29 DNA polymerase; overlapping structural domains for the 3'5' exonuclease and strand-displacement activities. **1992**, 11, 4227-37 27
- 188 Chimeric myosin regulatory light chains identify the subdomain responsible for regulatory function. **1992**, 11, 4715-22 11
- 187 Regulation of the mec-3 gene by the C.elegans homeoproteins UNC-86 and MEC-3. **1992**, 11, 4969-79 41
- 186 Homology between the ran1+ gene of fission yeast and protein kinases. **1986**, 5, 3665-71 46
- 185 Co-operation between the PAI and RED subdomains of Pax-8 in the interaction with the thyroglobulin promoter. **1999**, 337 ( Pt 2), 253-62 12
- 184 Determinants of specificity for aflatoxin B1-8,9-epoxide in alpha-class glutathione S-transferases. **1999**, 339 ( Pt 1), 95-101 6
- 183 Kinetic properties and tissular distribution of mammalian phosphomannomutase isozymes. **1999**, 339 ( Pt 1), 201-7 27
- 182 Structural defects of a Pax8 mutant that give rise to congenital hypothyroidism. **1999**, 341 ( Pt 1), 89-93 3
- 181 Interaction with amylopectin influences the ability of granule-bound starch synthase I to elongate malto-oligosaccharides. **1999**, 342 Pt 3, 647-53 9
- 180 Asp-89: a critical residue in maintaining the oligomeric structure of sheep liver cytosolic serine hydroxymethyltransferase. **1999**, 343 Pt 1, 257-63 4
- 179 Site-directed mutagenesis establishes cysteine-110 as essential for enzyme activity in human gamma-glutamyl hydrolase. **1999**, 343 Pt 3, 551-5 1
- 178 Role of pro-297 in the catalytic mechanism of sheep liver serine hydroxymethyltransferase. **2000**, 350 Pt 3, 849-53
- 177 Probing the NADPH-binding site of Escherichia coli flavodoxin oxidoreductase. **2000**, 352 Pt 2, 257-66 7
- 176 Serodiagnostic comparison of enzyme-linked immunosorbent assay and surface plasmon resonance for the detection of antibody to porcine circovirus type 2. **2006**, 70, 263-8 13
- 175 Immunohistochemical localization of granzyme B antigen in cytotoxic cells in human tissues. **1991**, 138, 1069-75 21

174	Selective amplification of periportal transitional cells precedes formation of hepatocellular carcinoma in SV40 large tag transgenic mice. <b>1991</b> , 139, 231-41	27
173	In vitro expression of the 50-kDa and 30-kDa fragments of the P97 adhesin of <i>Mycoplasma hyopneumoniae</i> in <i>Escherichia coli</i> and their use for serodiagnosis. <b>2007</b> , 71, 278-82	4
172	Specific killing of HIV-infected lymphocytes by a recombinant immunotoxin directed against the HIV-1 envelope glycoprotein. <b>1998</b> , 4, 384-91	16
171	Expression of 4 truncated fragments of <i>Pasteurella multocida</i> toxin and their immunogenicity. <b>2009</b> , 73, 184-9	4
170	Function and spatial distribution in developing chick retina of the laminin receptor alpha 6 beta 1 and its isoforms. <b>1993</b> , 118, 377-88	26
169	Rapid serodiagnosis with the use of surface plasmon resonance imaging for the detection of antibodies against major surface protein A of <i>Mycoplasma synoviae</i> in chickens. <b>2010</b> , 74, 71-4	3
168	The carboxyl terminus of the smooth muscle myosin light chain kinase is expressed as an independent protein, telokin. <b>1991</b> , 266, 23945-52	100
167	Expression of Recombinant Human Insulin-like Growth Factor Type 1 (rhIGF-1) in <i>Escherichia coli</i> . <b>2015</b> , 7, 101-5	
166	Design and expression of fusion protein consists of HBsAg and Polyepitope of HCV as an HCV potential vaccine. <b>2015</b> , 4, 243	2
165	Cloning, expression and purification of the factor H binding protein and its interaction with factor H. <b>2016</b> , 8, 29-35	8
164	Production of Recombinant Streptavidin and Optimization of Refolding Conditions for Recovery of Biological Activity. <b>2018</b> , 6, 178-185	4
163	Identification of three mammalian proteins that bind to the yeast TATA box protein TFIID. <b>1992</b> , 2, 99-110	19
162	The lambda holin accumulates beyond the lethal triggering concentration under hyperexpression conditions. <b>1998</b> , 7, 39-52	35
161	The T7 concatemer junction sequence interferes with expression from a downstream T7 promoter in vivo. <b>1999</b> , 8, 141-9	3
160	Overexpression, purification, and partial characterization of ADP-ribosyltransferases modA and modB of bacteriophage T4. <b>1999</b> , 8, 187-96	10
159	Simple and rapid pipeline for the production of cyclic and linear small-sized peptides in <i>E. coli</i> . <b>2021</b> , 191, 106026	
158	The challenges of monitoring and manipulating anaerobic microbial communities. <b>2022</b> , 344, 126326	1
157	Evaluating Five <i>Escherichia coli</i> Derivative Strains as a Platform for Arginine Deiminase Overproduction. <b>2021</b> ,	

- 156 Construction of an AI-2 quorum sensing induced heterologous protein expression system in. **2021**, 9, e12497
- 155 Purification, reconstitution, and mass analysis of archaeal RNase P, a multisubunit ribonucleoprotein enzyme. **2021**, 659, 71-103 0
- 154 Antibiotic-Efficient Genetic Cassette for the TEM-1  $\beta$ -Lactamase That Improves Plasmid Performance.. **2022**, 0
- 153 A Ratiometric Calcium Reporter CGf Reveals Calcium Dynamics Both in the Single Cell and Whole Plant Levels Under Heat Stress.. **2021**, 12, 777975 1
- 152 Protein Expression Optimization Strategies in E. coli: A Tailored Approach in Strain Selection and Parallelizing Expression Conditions.. **2022**, 2406, 93-111
- 151 T7-lac promoter vectors spontaneous derepression caused by plant-derived growth media may lead to serious expression problems: a systematic evaluation.. **2022**, 21, 13 0
- 150 Enzyme-Mediated Quenching of the Quinolone Signal (PQS): A Comparison between Naturally Occurring and Engineered PQS-Cleaving Dioxygenases.. **2022**, 12, 1
- 149 Transformation and Protein Expression. **2022**, 83-114
- 148 Two Polyketides Intertwined in Complex Regulation: Posttranscriptional CsrA-Mediated Control of Colibactin and Yersiniabactin Synthesis in Escherichia coli.. **2022**, e0381421 0
- 147 Regulation of ECP fimbriae-related genes by the transcriptional regulator RcsAB in Klebsiella pneumoniae NTUH-K2044.. **2022**, 0
- 146 Machine Learning for Designing Next-Generation mRNA Therapeutics.. **2021**, 3
- 145 A colicin M derivative containing the lipoprotein signal sequence is secreted and renders the colicin M target accessible from inside the cells. **1991**, 156, 449-54 2
- 144 Functional analysis of a leucine aminopeptidase from Solanum tuberosum L. **1994**, 194, 230-40 8
- 143 Engineered biosynthesis of alkyne-tagged polyketides.. **2022**, 665, 347-373
- 142 Sigma regulatory network in Rhodococcus erythropolis CCM2595.. **2022**, 0
- 141 Filter paper disks as a matrix for manipulation of recombinant proteins.
- 140 Preparative Production and Purification of Recombinant Human Cyclophilin A.. **2022**, 87, 259-268
- 139 Strategies for Successful Over-Expression of Human Membrane Transport Systems Using Bacterial Hosts: Future Perspectives.. **2022**, 23, 0

- 138 Conditional gene silencing in the Antarctic bacterium *Pseudoalteromonas haloplanktis* TAC125.. **2022**, 103939 ○
- 137 Mitochondria-associated myosin 19 processively transports mitochondria on actin tracks in living cells.. **2022**, 101883 ○
- 136 Engineering efficient termination of bacteriophage T7 RNA polymerase transcription.. **2022**, ○
- 135 A statistical approach to boost soluble expression of *E. coli*-derived virus-like particles in shake-flask cultivation.. **2022**, 347, 56-66 ○
- 134 Identification of Potent DNA Gyrase Inhibitors Active against .. **2022**, ○
- 133 Differential Localization and Functional Specialization of Centromere-Like Sites in Replicons of .. **2022**, e0020722 ○
- 132 *E. coli* chromosomal-driven expression of NADK2 from *A. thaliana*: A preferable alternative to plasmid-driven expression for challenging proteins.. **2022**, 106090 ○
- 131 Design of competitive inhibitory peptides for HMG-CoA reductase and modeling structural preference for short linear peptides. **2022**, 1261, 132909 ○
- 130 Interplay between DsbA1, DsbA2 and C8J\_1298 Periplasmic Oxidoreductases of and Their Impact on Bacterial Physiology and Pathogenesis.. **2021**, 22, ○
- 129 Improving genomically recoded *Escherichia coli* for the production of proteins containing non-canonical amino acids. ○
- 128 Engineering efficient termination of bacteriophage T7 RNA polymerase transcription. 1
- 127 Improving genomically recoded *Escherichia coli* to produce proteins containing non-canonical amino acids. **2021**, e2100330 ○
- 126 Characterization of a novel superoxide dismutase in *Nilaparvata lugens*.. **2021**, e21862 ○
- 125 CRISPR-Based Construction of a BL21 (DE3)-Derived Variant Strain Library to Rapidly Improve Recombinant Protein Production.. **2021**, ○
- 124 Strategies to Enhance Periplasmic Recombinant Protein Production Yields in .. **2021**, 9, 797334 2
- 123 Visualizing the pH in *Escherichia coli* Colonies via the Sensor Protein mCherryEA Allows High-Throughput Screening of Mutant Libraries.. **2022**, e0021922 ○
- 122 Image1.PDF. **2017**, ○
- 121 Image\_1.pdf. **2020**, ○

120 Data\_Sheet\_1.pdf. **2018,**

119 Table\_1.docx. **2018,**

118 Table\_2.docx. **2018,**

117 Table\_3.docx. **2018,**

116 Data\_Sheet\_1.docx. **2019,**

115 Data\_Sheet\_1.pdf. **2019,**

114 Table\_1.XLSX. **2019,**

113 Table\_2.XLSX. **2019,**

112 Data\_Sheet\_1.PDF. **2018,**

111 Data\_Sheet\_1.PDF. **2020,**

110 Data\_Sheet\_1.DOCX. **2020,**

109 Image\_1.TIF. **2020,**

108 Image\_2.TIF. **2020,**

107 Image\_3.TIF. **2020,**

106 Image\_4.TIF. **2020,**

105 Image\_5.TIF. **2020,**

104 Image\_6.TIF. **2020,**

103 Image\_7.TIF. **2020,**

102 Image\_8.TIF. **2020**,

101 Image\_9.TIF. **2020**,

100 Table\_1.DOCX. **2020**,

99 Table\_2.DOCX. **2020**,

98 Table\_3.DOCX. **2020**,

97 Data\_Sheet\_1.PDF. **2020**,

96 Image\_1.TIFF. **2020**,

95 Image\_2.TIFF. **2020**,

94 Image\_3.TIFF. **2020**,

93 Data\_Sheet\_1.pdf. **2020**,

92 Data\_Sheet\_1.PDF. **2020**,

91 Data\_Sheet\_1.PDF. **2020**,

90 Data\_Sheet\_2.PDF. **2020**,

89 Expression of Cyanobacterial Biosynthetic Gene Clusters in Escherichia coli.. **2022**, 2489, 315-332

o

88 Transcription Factor-Based Biosensors and Their Application in Microbiome Engineering. **2022**, 277-304

87 Bacterial catabolic system of acetovanillone and acetosyringone useful for upgrading aromatic compounds obtained through chemical lignin depolymerization.

86 A polypeptide model for toxic aberrant proteins induced by aminoglycoside antibiotics.. **2022**, 17, e0258794

85 Digital Twins for scFv Production in Escherichia coli. **2022**, 10, 809

2

- 84 Standardization of regulatory nodes for engineering heterologous gene expression: a feasibility study.. **2022**, 0
- 83 Identification and Molecular Characterization of the Operon Required for L-Asparagine Utilization in *Corynebacterium glutamicum*. **2022**, 10, 1002
- 82 Unravelling the mechanisms of adaptation to high pressure in proteins. 1
- 81 Expression and purification of the NG domain from human SRP $\alpha$  key component of the Signal Recognition Particle (SRP) receptor. **2022**, 198, 106121 0
- 80 A modular T7-based gene expression platform in *Pseudomonas putida*: Construction and in silico analysis.
- 79 High-throughput strategy for identification of *Mycobacterium tuberculosis* membrane protein expression conditions using folding reporter GFP. **2022**, 106132
- 78 Production of citramalate in *Escherichia coli* by mediating colonic acid metabolism and fermentation optimization. **2022**,
- 77 Hypermutation of specific genomic loci of *Pseudomonas putida* for continuous evolution of target genes.
- 76 Attachment of the RNA degradosome to the inner cytoplasmic membrane of *Escherichia coli* prevents wasteful degradation of rRNA intermediates in ribosome assembly.
- 75 Recombinant Pils: Cloning, Expression and Biochemical Characterization of a Pil-Fimbriae Subunit. **2022**, 10, 1174
- 74 Functional Overexpression of Membrane Proteins in *E. coli*: The Good, the Bad, and the Ugly. **2022**, 41-58
- 73 Top-Down Identification and Sequence Analysis of Small Membrane Proteins Using MALDI-MS/MS. **2022**, 33, 1293-1302 0
- 72 PclR is a transcriptional activator of the gene that encodes the pneumococcal collagen-like protein PclA. **2022**, 12,
- 71 Tight Complex Formation of the Fumarate Sensing DcuS-DcuR Two-Component System at the Membrane and Target Promoter Search by Free DcuR Diffusion. 1
- 70 Subtle sequence differences between two interacting  $\beta$ 4-dependent regulators lead to different activation mechanisms.
- 69 An in vitro reconstitution system to monitor iron transfer to the active site during the maturation of [NiFe]-hydrogenase. **2022**, 102291 1
- 68 Combined sensor-based monitoring of mycothiol redox potential and DNA-damage response in *Corynebacterium glutamicum*. 0
- 67 Synthesis of Polymer Precursor 12-Oxododecenoic Acid Utilizing Recombinant Papaya Hydroperoxide Lyase in an Enzyme Cascade. 0

- 66 Unravelling the Adaptation Mechanisms to High Pressure in Proteins. **2022**, 23, 8469
- 65 Design of Tetrapeptides as a Competitive Inhibitor for HMG-CoA Reductase and Modeling Recognized Sequence as a Turn Structure. **2022**, 28,
- 64 Protein-Based Adjuvants for Vaccines as Immunomodulators of the Innate and Adaptive Immune Response: Current Knowledge, Challenges, and Future Opportunities. **2022**, 14, 1671 0
- 63 Precise and versatile microplate reader-based analyses of biosensor signals from arrayed microbial colonies.
- 62 The Catabolic System of Acetovanillone and Acetosyringone in *Sphingobium* sp. Strain SYK-6 Useful for Upgrading Aromatic Compounds Obtained through Chemical Lignin Depolymerization. **2022**, 88, 1
- 61 How *Escherichia coli* Became the Flagship Bacterium of Molecular Biology. 1
- 60 The Transcription Activator AtxA from *Bacillus Anthracis* was Employed for Developing a Tight-Control, High-Level, Modulable, and Stationary-Phase Specific Transcription Activity in *Escherichia Coli*. 0
- 59 Filter paper disks as a matrix for manipulation of recombinant proteins. **2022**, 655, 114841
- 58 The Antibacterial Type VII Secretion System of *Bacillus subtilis*: Structure and Interactions of the Pseudokinase YucC/EssB. 0
- 57 Strategies for efficient production of recombinant proteins in *Escherichia coli*: alleviating the host burden and enhancing protein activity. **2022**, 21, 1
- 56 Enhanced recombinant carbonic anhydrase in T7RNAP-equipped *Escherichia coli* W3110 for carbon capture storage and utilization (CCSU). **2022**, 363, 128010 0
- 55 Recombinant Protein Production Using Mammalian Expression Systems. **2022**, 0
- 54 Molecular tools for strain improvement for bioprocesses. **2022**, 165-185 0
- 53 Direct, Rapid, and Simple Evaluation of the Expression and Conformation of Beta-Amyloid in Bacterial Cells by FTIR Spectroscopy. **2022**, 235-260 0
- 52 NOS1AP Interacts with Synuclein and Aggregates in Yeast and Mammalian Cells. **2022**, 23, 9102 0
- 51 Bcr4 Is a Chaperone for the Inner Rod Protein in the *Bordetella* Type III Secretion System. 0
- 50 RNase HI Depletion Strongly Potentiates Cell Killing by Rifampicin in *Mycobacteria*. 0
- 49 G-quadruplexes rescuing protein folding. 0



- 48 Application of an Autoinduction Strategy to Optimize the Heterologous Production of an Antitumor Bispecific Fusion Protein Based on the TRAIL Receptor-Selective Mutant Variant in *Escherichia coli*. ○
- 47 Group II truncated haemoglobin Yjbl prevents reactive oxygen species-induced protein aggregation in *Bacillus subtilis*. 11, ○
- 46 Hybrid Vigor: Importance of Hybrid ϕPhages in Early Insights in Molecular Biology. ○
- 45 The retaining Kdo glycosyltransferase WbbB uses a double-displacement mechanism with an intermediate adduct rearrangement step. 2022, 13, ○
- 44 RopB protein of *Rhizobium leguminosarum* bv. *viciae* adopts amyloid state during symbiotic interactions with pea (*Pisum sativum* L.). 13, ○
- 43 Role of DEAD Box RNA helicases in low temperature adapted growth of Antarctic *Pseudomonas syringae* Lz4W. ○
- 42 High-Throughput Screening for Thermostable Polyester Hydrolases. 2023, 153-165 ○
- 41 An Inducible T7 Polymerase System for High-Level Protein Expression in Diverse Gram-Negative Bacteria. ○
- 40 New vectors for urea-inducible recombinant protein production. 2022, 72, 89-96 ○
- 39 Type III CRISPR-Cas provides resistance against nucleus-forming jumbo phages via abortive infection. 2022, ○
- 38 Plasmids for Controlled and Tunable High-Level Expression in *E. coli*. ○
- 37 Targeting Transcriptional and Translational Hindrances in a Modular T7RNAP Expression System in Engineered *Pseudomonas putida*. 1
- 36 One-step immunoassay based on switching peptides for analyzing ochratoxin A in wines. 2022, 13, ○
- 35 A bioorthogonal chemistry approach to detect the K1 polysialic acid capsule in *Escherichia coli*. ○
- 34 Glucose-6-Phosphate Dehydrogenase, ZwfA, a Dual Cofactor-Specific Isozyme Is Predominantly Involved in the Glucose Metabolism of *Pseudomonas bharatika* CSV86 T. ○
- 33 A bioorthogonal chemistry approach to detect the K1 polysialic acid capsule in *Escherichia coli*. ○
- 32 Heterologous expression, molecular studies and biochemical characterization of a novel alkaline esterase gene from *Bacillus thuringiensis* for detergent industry. 2022, 12, 34482-34495 1
- 31 Computation-guided redesign of promoter specificity of a bacterial RNA polymerase. ○

- 30 Construction and Application of Orthogonal T7 Expression System in Eukaryote: An Overview. 2200218 ○
- 29 LapB (YciM) orchestrates protein-protein interactions at the interface of lipopolysaccharide and phospholipid biosynthesis. 1
- 28 Adaptive laboratory evolution and metabolic regulation of genetic Escherichia coli W3110 toward low-carbon footprint production of 5-aminolevulinic acid. **2022**, 141, 104612 1
- 27 New FRET Pairs of Fluorescent Proteins for In Vitro Caspase Activity Determination. **2022**, 58, 738-743 ○
- 26 Characteristics of the GlnH and GlnX Signal Transduction Proteins Controlling PknG-Mediated Phosphorylation of OdhI and 2-Oxoglutarate Dehydrogenase Activity in Corynebacterium glutamicum. **2022**, 10, ○
- 25 Separation of Function Between the Domains of Toxic Shock Syndrome Toxin-1. **1998**, 160, 854-859 ○
- 24 An Improved Spectrophotometric Method for Toluene-4-Monooxygenase Activity. ○
- 23 Antitumor Response Elicited by a Superantigen- Transmembrane Sequence Fusion Protein Anchored onto Tumor Cells. **1998**, 161, 6761-6767 2
- 22 Molecular Characterization of American Cockroach Tropomyosin (Periplaneta americana Allergen 7), a Cross-Reactive Allergen. **1999**, 162, 4342-4348 19
- 21 Attachment of the RNA degradosome to the bacterial inner cytoplasmic membrane prevents wasteful degradation of rRNA in ribosome assembly intermediates. **2023**, 21, e3001942 ○
- 20 An Inducible T7 Polymerase System for High-Level Protein Expression in Diverse Gram-Negative Bacteria. ○
- 19 Application of Milk Permeate as an Inducer for the Production of Microbial Recombinant Lipolytic Enzymes. **2023**, 9, 27 ○
- 18 C-di-AMP Is a Second Messenger in Corynebacterium glutamicum That Regulates Expression of a Cell Wall-Related Peptidase via a Riboswitch. **2023**, 11, 296 ○
- 17 H<sup>+</sup>-Translocating Membrane-Bound Pyrophosphatase from Rhodospirillum rubrum Fuels Escherichia coli Cells via an Alternative Pathway for Energy Generation. **2023**, 11, 294 ○
- 16 Novel insights into construct toxicity, strain optimization, and primary sequence design for producing recombinant silk fibroin and elastin-like peptide in E. coli. **2023**, 16, e00219 ○
- 15 Protein Expression and Production. **2021**, 87-122 ○
- 14 Amyloid monomer scavenging by an anticalin protein prevents neuronal hyperactivity. ○
- 13 Bacterial suppressor-of-copper-sensitivity (Scs) proteins exhibit diverse thiol-disulfide oxidoreductase cellular functions. ○

- 12 Expression, purification, and characterisation of the p53 binding domain of Retinoblastoma binding protein 6 (RBBP6). **2023**, 18, e0277478 ○
- 11 Synthesis of 12-aminododecenoic acid by coupling transaminase to oxylipin pathway enzymes. **2023**, 107, 2209-2221 ○
- 10 Cheese-whey permeate improves the fitness of Escherichia coli cells during recombinant protein production. **2023**, 16, ○
- 9 An AKT1-and TRIM21-mediated phosphodegron controls proteasomal degradation of HuR enabling cell survival under heat shock. **2023**, 26, 106307 ○
- 8 Myosin VIII and XI isoforms interact with Agrobacterium VirE2 protein and help direct transport from the plasma membrane to the perinuclear region during plant transformation. ○
- 7 The role of glutathione in periplasmic redox homeostasis and oxidative protein folding in Escherichia coli. ○
- 6 The Interplay of AphB and CadC to Activate Acid Resistance of Vibrio campbellii. ○
- 5 Structural basis of membrane targeting and coatamer assembly by human GBP1. ○
- 4 Deep flanking sequence engineering for efficient promoter design. ○
- 3 Unusual Relationship between Iron Deprivation and Organophosphate Hydrolase Expression. ○
- 2 Effect of chromosomal integration on catalytic performance of a multi-component P450 system in Escherichia coli. ○
- 1 Quick and easy method for extraction and purification of Pfu-Sso7d, a high processivity DNA polymerase. **2023**, 208-209, 106276 ○