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Use of T7 RNA polymerase to direct expression of cloned genes

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#	Paper	IF	Citations
2054	The <i>Drosophila</i> claret segregation protein is a minus-end directed motor molecule. <b>1990</b> , 347, 780-2		329
2053	Crystal structure of the RNA-binding domain of the U1 small nuclear ribonucleoprotein A. <b>1990</b> , 348, 515-20		632
2052	Recovery of mitogenic activity of a growth factor mutant with a nuclear translocation sequence. <b>1990</b> , 249, 1567-70		350
2051	Enzymatic coupling of cholesterol intermediates to a mating pheromone precursor and to the ras protein. <b>1990</b> , 249, 1133-9		172
2050	Evidence that the N-terminal domain of nonstructural protein NS3 from yellow fever virus is a serine protease responsible for site-specific cleavages in the viral polyprotein. <b>1990</b> , 87, 8898-902		283
2049	Genetic recombination in <i>Escherichia coli</i> : Holliday junctions made by RecA protein are resolved by fractionated cell-free extracts. <b>1990</b> , 87, 8476-80		58
2048	Specificity of binding to four-way junctions in DNA by bacteriophage T7 endonuclease I. <i>Nucleic Acids Research</i> , <b>1990</b> , 18, 4377-84	20.1	39
2047	Binding of the bacteriophage T4 regA protein to mRNA targets: an initiator AUG is required. <i>Nucleic Acids Research</i> , <b>1990</b> , 18, 7083-92	20.1	28
2046	Cyclin is a component of maturation-promoting factor from <i>Xenopus</i> . <b>1990</b> , 60, 487-94		624
2045	Expression in <i>Escherichia coli</i> of two mutated genes encoding the cholera toxin B subunit. <b>1990</b> , 89, 47-52		38
2044	Jun-Fos and receptors for vitamins A and D recognize a common response element in the human osteocalcin gene. <b>1990</b> , 61, 497-504		496
2043	Phage lambda cDNA cloning vectors for subtractive hybridization, fusion-protein synthesis and Cre-loxP automatic plasmid subcloning. <b>1990</b> , 88, 25-36		109
2042	HIV-1 Tat protein trans-activates transcription in vitro. <b>1990</b> , 63, 791-802		255
2041	Transcriptional interference between c-Jun and the glucocorticoid receptor: mutual inhibition of DNA binding due to direct protein-protein interaction. <b>1990</b> , 62, 1205-15		1466
2040	Functional antagonism between oncoprotein c-Jun and the glucocorticoid receptor. <b>1990</b> , 62, 1217-26		1132
2039	<i>E. coli</i> 4.5S RNA is part of a ribonucleoprotein particle that has properties related to signal recognition particle. <b>1990</b> , 63, 591-600		214
2038	IL-6DBP, a nuclear protein involved in interleukin-6 signal transduction, defines a new family of leucine zipper proteins related to C/EBP. <b>1990</b> , 63, 643-53		612

2037	Identification of cell cycle-regulated phosphorylation sites on nuclear lamin C. <b>1990</b> , 61, 561-77	376
2036	A novel expression vector for high-level synthesis and secretion of foreign proteins in <i>Escherichia coli</i> : overproduction of bovine pancreatic phospholipase A2. <b>1990</b> , 93, 229-34	56
2035	Reconstitution of electron transport in photosystem I with PsaC and PsaD proteins expressed in <i>Escherichia coli</i> . <b>1990</b> , 276, 175-80	71
2034	The unc-86 gene product couples cell lineage and cell identity in <i>C. elegans</i> . <b>1990</b> , 63, 895-905	544
2033	Purification of his-tagged proteins in non-denaturing conditions suggests a convenient method for protein interaction studies. <i>Nucleic Acids Research</i> , <b>1991</b> , 19, 6337-8	20.1 287
2032	Zinc finger-DNA recognition: crystal structure of a Zif268-DNA complex at 2.1 Å. <b>1991</b> , 252, 809-17	1868
2031	Expression vectors for streptavidin-containing chimeric proteins. <b>1991</b> , 176, 571-7	37
2030	Overexpression of dimeric guanylyl cyclase cores of an atrial natriuretic peptide receptor. <b>1991</b> , 180, 538-44	32
2029	FKBP, the binding protein for the immunosuppressive drug, FK-506, is not an inhibitor of protein kinase C activity. <b>1991</b> , 180, 846-52	9
2028	Expression of a full-length nonstructural protein NS1 of bluetongue virus serotype 17 in <i>Escherichia coli</i> . <b>1991</b> , 180, 994-1001	2
2027	The minimal antigen-binding fragment of antibodies--Fv fragment. <b>1991</b> , 28, 1379-86	46
2026	Purification of recombinant human tumor necrosis factor precursor from <i>Escherichia coli</i> . <b>1991</b> , 179, 683-8	3
2025	Activation of protein kinase C decreases phosphorylation of c-Jun at sites that negatively regulate its DNA-binding activity. <b>1991</b> , 64, 573-84	1018
2024	Developmental regulation of transcription factor AP-2 during <i>Xenopus laevis</i> embryogenesis. <i>Nucleic Acids Research</i> , <b>1991</b> , 19, 3709-14	20.1 65
2023	Production of an antiserum using a fusion protein produced by a cDNA for rat choline acetyltransferase. <b>1991</b> , 131, 213-6	10
2022	Nucleotide sequence of a cluster of genes involved in the transformation of <i>Haemophilus influenzae</i> Rd. <b>1991</b> , 104, 1-10	99
2021	Production of mouse Hox-2.1 protein in <i>Escherichia coli</i> : characterisation of in vitro binding to DNA. <b>1991</b> , 105, 213-9	1
2020	The homeodomain LIM protein Isl-1 is expressed in subsets of neurons and endocrine cells in the adult rat. <b>1991</b> , 7, 881-9	313

2019	Nucleotides within both proximal and distal parts of the consensus sequence are important for specific DNA recognition by the herpes simplex virus regulatory protein ICP4. <i>Nucleic Acids Research</i> , <b>1991</b> , 19, 477-83	20.1	12
2018	High yield purification of active transcription factor IIIA expressed in E. coli. <i>Nucleic Acids Research</i> , <b>1991</b> , 19, 6197-203	20.1	39
2017	Cloning and characterization of Rrp1, the gene encoding Drosophila strand transferase: carboxy-terminal homology to DNA repair endo/exonucleases. <i>Nucleic Acids Research</i> , <b>1991</b> , 19, 4523-9	20.1	39
2016	Functional expression and characterization of the interferon-induced double-stranded RNA activated P68 protein kinase from Escherichia coli. <b>1991</b> , 30, 10356-61		58
2015	Kinetics and regulation of two catalytic subunits of cAMP-dependent protein kinase from Aplysia californica. <b>1991</b> , 30, 10246-55		12
2014	Definition of the inhibitory domain of smooth muscle myosin light chain kinase by site-directed mutagenesis. <b>1991</b> , 30, 3498-503		51
2013	Purification and characterization of recombinant mouse and herpes simplex virus ribonucleotide reductase R2 subunit. <b>1991</b> , 30, 1939-47		138
2012	Expression of mouse tyrosine hydroxylase in Escherichia coli. <b>1991</b> , 178, 664-71		9
2011	Expression of rat liver fructose-1,6-bisphosphatase in Escherichia coli. <b>1991</b> , 176, 137-44		13
2010	Identification of the cDNA for xlcaax-1, a membrane associated Xenopus maternal protein. <b>1991</b> , 179, 1635-41		1
2009	Gene expression from multicopy T7 promoter vectors proceeds at single copy rates in the absence of T7 RNA polymerase. <b>1991</b> , 181, 1056-62		19
2008	PsaD is required for the stable binding of PsaC to the photosystem I core protein of Synechococcus sp. PCC 6301. <b>1991</b> , 30, 7863-72		171
2007	High-level expression of enzymatically active bovine leukemia virus proteinase in E. coli. <b>1991</b> , 287, 129-32		19
2006	Uniform labeling of a recombinant antibody Fv-fragment with <sup>15</sup> N and <sup>13</sup> C for heteronuclear NMR spectroscopy. <b>1991</b> , 287, 185-8		16
2005	Nebulin as a giant actin-binding template protein in skeletal muscle sarcomere. Interaction of actin and cloned human nebulin fragments. <b>1991</b> , 281, 93-6		68
2004	Cloning, overexpression, purification and crystallisation of ribosomal protein L9 from Bacillus stearothermophilus. <b>1991</b> , 286, 204-8		5
2003	Co-operative binding of the glucocorticoid receptor DNA binding domain is one of at least two mechanisms for synergism. <b>1991</b> , 222, 155-65		34
2002	Programmed translational frameshifting and initiation at an AUU codon in gene expression of bacterial insertion sequence IS911. <b>1991</b> , 222, 465-77		119

2001	Production of the neuronal growth-associated protein GAP-43 in a bacterial expression system. <b>1991</b> , 565, 85-93	2
2000	Three receptor-linked protein-tyrosine phosphatases are selectively expressed on central nervous system axons in the <i>Drosophila</i> embryo. <b>1991</b> , 67, 675-85	193
1999	Human D-type cyclin. <b>1991</b> , 65, 691-9	647
1998	Cyclin A is required for the onset of DNA replication in mammalian fibroblasts. <b>1991</b> , 67, 1169-79	819
1997	The cdc25 protein controls tyrosine dephosphorylation of the cdc2 protein in a cell-free system. <b>1991</b> , 64, 903-14	474
1996	A gene encoding a protein serine/threonine kinase is required for normal development of <i>M. xanthus</i> , a gram-negative bacterium. <b>1991</b> , 67, 995-1006	226
1995	The Viviparous-1 developmental gene of maize encodes a novel transcriptional activator. <b>1991</b> , 66, 895-905	583
1994	Isolation and characterization of the gene encoding yeast debranching enzyme. <b>1991</b> , 65, 483-92	199
1993	A naturally occurring truncated form of FosB that inhibits Fos/Jun transcriptional activity. <b>1991</b> , 64, 751-9	393
1992	A liver-enriched transcriptional activator protein, LAP, and a transcriptional inhibitory protein, LIP, are translated from the same mRNA. <b>1991</b> , 67, 569-79	935
1991	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
1990	The cdc25 protein contains an intrinsic phosphatase activity. <b>1991</b> , 67, 189-96	557
1989	cdc25 is a specific tyrosine phosphatase that directly activates p34cdc2. <b>1991</b> , 67, 197-211	795
1988	Functional expression of cloned human splicing factor SF2: homology to RNA-binding proteins, U1 70K, and <i>Drosophila</i> splicing regulators. <b>1991</b> , 66, 383-94	475
1987	Construction and use of a <i>Bacillus subtilis</i> mutant deficient in multiple protease genes for the expression of eukaryotic genes. <b>1991</b> , 646, 69-77	17
1986	Controlling basal expression in an inducible T7 expression system by blocking the target T7 promoter with lac repressor. <b>1991</b> , 219, 45-59	366
1985	Creation of a T7 autogene. Cloning and expression of the gene for bacteriophage T7 RNA polymerase under control of its cognate promoter. <b>1991</b> , 219, 61-8	79
1984	An over-expression plasmid for <i>Escherichia coli</i> primase. <b>1991</b> , 100, 59-64	15

1983	Phage T4 expression vector: protection from proteolysis. <b>1991</b> , 106, 1-6	19
1982	Molecular characterization of the soxRS genes of <i>Escherichia coli</i> : two genes control a superoxide stress regulon. <i>Nucleic Acids Research</i> , <b>1991</b> , 19, 4479-84	20.1 254
1981	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
1980	Overproduction and purification of McrC protein from <i>Escherichia coli</i> K-12. <b>1991</b> , 173, 3918-20	7
1979	Sequence and transcriptional regulation of com101A, a locus required for genetic transformation in <i>Haemophilus influenzae</i> . <b>1991</b> , 173, 4683-91	36
1978	Frameshifting in gene 10 of bacteriophage T7. <b>1991</b> , 173, 6998-7003	83
1977	Characterization of a putative periplasmic transport system for octopine accumulation encoded by <i>Agrobacterium tumefaciens</i> Ti plasmid pTiA6. <b>1991</b> , 173, 6398-405	38
1976	The agmR gene, an environmentally responsive gene, complements defective glpR, which encodes the putative activator for glycerol metabolism in <i>Pseudomonas aeruginosa</i> . <b>1991</b> , 173, 6798-806	58
1975	RcsA, an unstable positive regulator of capsular polysaccharide synthesis. <b>1991</b> , 173, 1738-47	192
1974	<i>Halobacterium halobium</i> strains lysogenic for phage phi H contain a protein resembling coliphage repressors. <b>1991</b> , 173, 955-60	40
1973	Recombinant 43-kDa USF binds to DNA and activates transcription in a manner indistinguishable from that of natural 43/44-kDa USF. <b>1991</b> , 11, 5125-36	103
1972	Properties of the DNA-binding domain of the <i>Saccharomyces cerevisiae</i> STE12 protein. <b>1991</b> , 11, 5910-8	69
1971	Ribonucleoprotein particles with LINE-1 RNA in mouse embryonal carcinoma cells. <b>1991</b> , 11, 4804-7	204
1970	Isolation of a metal-activated transcription factor gene from <i>Candida glabrata</i> by complementation in <i>Saccharomyces cerevisiae</i> . <b>1991</b> , 88, 6112-6	91
1969	A 70-amino acid zinc-binding polypeptide from the regulatory chain of aspartate transcarbamoylase forms a stable complex with the catalytic subunit leading to markedly altered enzyme activity. <b>1991</b> , 88, 10568-72	13
1968	Differential DNA binding by monomeric, homodimeric, and potentially heteromeric forms of the thyroid hormone receptor. <b>1991</b> , 11, 5005-15	145
1967	ACE1, a copper-dependent transcription factor, activates expression of the yeast copper, zinc superoxide dismutase gene. <b>1991</b> , 88, 8558-62	183
1966	High-level expression of rat PC12 tyrosine hydroxylase cDNA in <i>Escherichia coli</i> : purification and characterization of the cloned enzyme. <b>1991</b> , 88, 8779-83	29

1965	Viral RNA annealing activities of the nucleocapsid protein of Moloney murine leukemia virus are zinc independent. <i>Nucleic Acids Research</i> , <b>1991</b> , 19, 3533-41	20.1	84
1964	Purification of the DNA binding domain of herpes simplex virus type 1 immediate-early protein Vmw175 as a homodimer and extensive mutagenesis of its DNA recognition site. <i>Nucleic Acids Research</i> , <b>1991</b> , 19, 4901-8	20.1	17
1963	A copper-thiolate polynuclear cluster in the ACE1 transcription factor. <b>1991</b> , 88, 6127-31		114
1962	URF13, a maize mitochondrial pore-forming protein, is oligomeric and has a mixed orientation in Escherichia coli plasma membranes. <b>1991</b> , 88, 10865-9		54
1961	Phosphorylation of Xenopus cyclins B1 and B2 is not required for cell cycle transitions. <b>1991</b> , 11, 3860-7		85
1960	Isolation of Drosophila genes encoding G protein-coupled receptor kinases. <b>1991</b> , 88, 11067-70		83
1959	Mutations at sites involved in Suc1 binding inactivate Cdc2. <b>1991</b> , 11, 6177-84		60
1958	I-TevI, the endonuclease encoded by the mobile td intron, recognizes binding and cleavage domains on its DNA target. <b>1991</b> , 88, 7719-23		55
1957	The Xenopus B1 factor is closely related to the mammalian activator USF and is implicated in the developmental regulation of TFIIIA gene expression. <b>1991</b> , 11, 412-24		58
1956	Angiotensinogen gene-inducible enhancer-binding protein 1, a member of a new family of large nuclear proteins that recognize nuclear factor kappa B-binding sites through a zinc finger motif. <b>1991</b> , 11, 2887-95		71
1955	An endoplasmic reticulum-specific cyclophilin. <b>1991</b> , 11, 3484-91		121
1954	DNA-binding specificity of the fushi tarazu homeodomain. <b>1991</b> , 11, 3613-23		99
1953	The Escherichia coli hemL gene encodes glutamate 1-semialdehyde aminotransferase. <b>1991</b> , 173, 3408-13		64
1952	Characterization and expression of the Escherichia coli Mrr restriction system. <b>1991</b> , 173, 5207-19		98
1951	Analysis of the v-myb structural components important for transactivation of gene expression. <i>Nucleic Acids Research</i> , <b>1991</b> , 19, 1533-9	20.1	13
1950	Expression and site-directed mutagenesis of hepatic glucokinase. <i>Biochemical Journal</i> , <b>1991</b> , 277 ( Pt 1), 159-63	3.8	32
1949	Expression in Escherichia coli and characterization of the fatty-acid-binding protein from human muscle. <i>Biochemical Journal</i> , <b>1991</b> , 278 ( Pt 2), 361-4	3.8	27
1948	A novel cyclin encoded by a bcl1-linked candidate oncogene. <b>1991</b> , 350, 512-5		1143

1947	Cloning of an NF-kappa B subunit which stimulates HIV transcription in synergy with p65. <b>1991</b> , 352, 733-6	403
1946	A protein-tyrosine phosphatase with sequence similarity to the SH2 domain of the protein-tyrosine kinases. <b>1991</b> , 352, 736-9	391
1945	Phosphorylation of c-jun mediated by MAP kinases. <b>1991</b> , 353, 670-4	1363
1944	Structural motifs and potential sigma homologies in the large subunit of human general transcription factor TFIIE. <b>1991</b> , 354, 398-401	95
1943	Dissecting the functional role of PriA protein-catalysed primosome assembly in Escherichia coli DNA replication. <b>1991</b> , 5, 2869-73	40
1942	High level expression in Escherichia coli of isopenicillin N synthase genes from Flavobacterium and Streptomyces, and recovery of active enzyme from inclusion bodies. <b>1991</b> , 84, 239-244	13
1941	Elevated serum interleukin-6 levels in patients with reactive thrombocytosis. <b>1991</b> , 79, 286-90	97
1940	Single-step purification and structural characterization of human interleukin-6 produced in Escherichia coli from a T7 RNA polymerase expression vector. <b>1991</b> , 198, 541-7	116
1939	Recombinant human tyrosine hydroxylase isozymes. Reconstitution with iron and inhibitory effect of other metal ions. <b>1991</b> , 199, 371-8	89
1938	Formation of nucleophosmin/B23 oligomers requires both the amino- and the carboxyl-terminal domains of the protein. <b>1991</b> , 200, 715-21	53
1937	The polymerase domain of Streptococcus pneumoniae DNA polymerase I. High expression, purification and characterization. <b>1991</b> , 201, 147-55	9
1936	The tobacco transcription activator TGA1a binds to a sequence in the 5' upstream region of a gene encoding a TGA1a-related protein. <i>Molecular Genetics and Genomics</i> , <b>1991</b> , 229, 181-8	38
1935	Bacteriophage T7 morphogenesis and gene 10 frameshifting in Escherichia coli showing different degrees of ribosomal fidelity. <i>Molecular Genetics and Genomics</i> , <b>1991</b> , 230, 376-84	4
1934	Targeted disruption of chloroplast genes in Chlamydomonas reinhardtii. <i>Molecular Genetics and Genomics</i> , <b>1991</b> , 230, 65-74	57
1933	cDNA cloning and expression of Brassica napus enoyl-acyl carrier protein reductase in Escherichia coli. <b>1991</b> , 17, 895-909	62
1932	An analysis of sequences stimulating frameshifting in the decoding of gene 10 of bacteriophage T7. <i>Nucleic Acids Research</i> , <b>1991</b> , 19, 5607-12	20.1 41
1931	Focal adhesion integrity is downregulated by the alternatively spliced domain of human tenascin. <b>1991</b> , 115, 1127-36	253
1930	A quick procedure for purification of functional recombinant proteins over-expressed in E.coli. <i>Nucleic Acids Research</i> , <b>1991</b> , 19, 6650	20.1 51



1929	Identification and expression of the cDNA of KIN17, a zinc-finger gene located on mouse chromosome 2, encoding a new DNA-binding protein. <i>Nucleic Acids Research</i> , <b>1991</b> , 19, 5117-23	20.1	37
1928	Autophosphorylation in vitro of recombinant 42-kilodalton mitogen-activated protein kinase on tyrosine. <b>1991</b> , 88, 9508-12		145
1927	Sorting out IF networks: consequences of domain swapping on IF recognition and assembly. <b>1991</b> , 113, 1111-24		30
1926	Characterization of DNA binding and retinoic acid binding properties of retinoic acid receptor. <b>1991</b> , 88, 3559-63		105
1925	The cloned RNA polymerase II transcription factor IID selects RNA polymerase III to transcribe the human U6 gene in vitro. <i>Genes and Development</i> , <b>1991</b> , 5, 1477-89	12.6	136
1924	Primary structure and domain organization of human alpha and beta adducin. <b>1991</b> , 115, 665-75		133
1923	Subcellular localization and sequence of sea urchin kinesin heavy chain: evidence for its association with membranes in the mitotic apparatus and interphase cytoplasm. <b>1991</b> , 113, 817-33		104
1922	Developmental regulation of Drosophila DNA topoisomerase II. <b>1991</b> , 112, 203-13		38
1921	Divergent genes for translation initiation factor eIF-4A are coordinately expressed in tobacco. <i>Nucleic Acids Research</i> , <b>1991</b> , 19, 5491-6	20.1	61
1920	Genetic Engineering of Polymeric Materials. <b>1991</b> , 16, 23-28		32
1919	A thymus-specific member of the HMG protein family regulates the human T cell receptor C alpha enhancer. <i>Genes and Development</i> , <b>1991</b> , 5, 656-69	12.6	332
1918	Purification and characterisation of the TnsB protein of Tn7: a transposition protein that binds to the ends of Tn7. <i>Nucleic Acids Research</i> , <b>1991</b> , 19, 3395-402	20.1	17
1917	Analysis of in vitro binding of U1-A protein mutants to U1 snRNA. <i>Nucleic Acids Research</i> , <b>1991</b> , 19, 4611-8	20.1	33
1916	A streptavidin-protein A chimera that allows one-step production of a variety of specific antibody conjugates. <b>1991</b> , 9, 1378-81		52
1915	Mammalian achaete-scute homolog 1 is transiently expressed by spatially restricted subsets of early neuroepithelial and neural crest cells. <i>Genes and Development</i> , <b>1991</b> , 5, 1524-37	12.6	359
1914	Primary structures of the precursor and mature forms of stearyl-acyl carrier protein desaturase from safflower embryos and requirement of ferredoxin for enzyme activity. <b>1991</b> , 88, 2578-82		123
1913	Connective tissue growth factor: a cysteine-rich mitogen secreted by human vascular endothelial cells is related to the SRC-induced immediate early gene product CEF-10. <b>1991</b> , 114, 1285-94		758
1912	Endogenous muscle lectin inhibits myoblast adhesion to laminin. <b>1991</b> , 115, 1437-48		201

1911	Isolation of a human placenta cDNA coding for a protein related to the vascular permeability factor. <b>1991, 88, 9267-71</b>		802
1910	Cloning and expression of human deoxycytidine kinase cDNA. <b>1991, 88, 1531-5</b>		124
1909	A family of C/EBP-related proteins capable of forming covalently linked leucine zipper dimers in vitro. <i>Genes and Development</i> , <b>1991, 5, 1553-67</b>	12.6	512
1908	CCAAT/enhancer binding protein gene promoter: binding of nuclear factors during differentiation of 3T3-L1 preadipocytes. <b>1991, 88, 2593-7</b>		341
1907	Isolation of a cDNA for HSF2: evidence for two heat shock factor genes in humans. <b>1991, 88, 6911-5</b>		310
1906	Identification of the neurofibromatosis type 1 gene product. <b>1991, 88, 9658-62</b>		225
1905	LEF-1, a gene encoding a lymphoid-specific protein with an HMG domain, regulates T-cell receptor alpha enhancer function [corrected]. <i>Genes and Development</i> , <b>1991, 5, 880-94</b>	12.6	524
1904	The HIV-1 nef protein does not have guanine nucleotide binding, GTPase, or autophosphorylating activities. <b>1991, 7, 1015-20</b>		20
1903	Soluble Chloroplast Enzyme Cleaves preLHCP Made in Escherichia coli to a Mature Form Lacking a Basic N-Terminal Domain. <b>1991, 96, 1220-7</b>		39
1902	High level expression and purification of herpes simplex virus type 1 immediate early polypeptide Vmw110. <i>Nucleic Acids Research</i> , <b>1991, 19, 6155-61</b>	20.1	44
1901	Reconstitution of GTP-binding Sar1 protein function in ER to Golgi transport. <b>1991, 114, 671-9</b>		90
1900	Sequence of general transcription factor TFIIB and relationships to other initiation factors. <b>1991, 88, 9553-7</b>		92
1899	Replication factor-A from <i>Saccharomyces cerevisiae</i> is encoded by three essential genes coordinately expressed at S phase. <i>Genes and Development</i> , <b>1991, 5, 1589-600</b>	12.6	211
1898	A conserved sequence element in ribonuclease III processing signals is not required for accurate in vitro enzymatic cleavage. <i>Nucleic Acids Research</i> , <b>1991, 19, 1759-66</b>	20.1	49
1897	TEF, a transcription factor expressed specifically in the anterior pituitary during embryogenesis, defines a new class of leucine zipper proteins. <i>Genes and Development</i> , <b>1991, 5, 1739-53</b>	12.6	199
1896	Sequence-specific DNA binding by Myc proteins. <b>1991, 88, 4323-7</b>		128
1895	Expression of a cDNA clone encoding the haem-binding domain of <i>Chlorella nitrate reductase</i> . <i>Biochemical Journal</i> , <b>1991, 278 ( Pt 1), 203-9</b>	3.8	23
1894	The early response gene NGFI-C encodes a zinc finger transcriptional activator and is a member of the GCGGGGGCG (GSG) element-binding protein family. <b>1991, 11, 3835-41</b>		191

1893	Specific DNA binding by c-Myb: evidence for a double helix-turn-helix-related motif. <b>1991</b> , 253, 1140-3		138
1892	Serum interleukin-6 levels in patients with thrombocytosis. <b>1992</b> , 8, 235-41		29
1891	Expression of a yeast metallothionein gene family is activated by a single metalloregulatory transcription factor. <b>1992</b> , 12, 3766-75		67
1890	In vitro and in vivo characterization of four fibroblast tropomyosins produced in bacteria: TM-2, TM-3, TM-5a, and TM-5b are co-localized in interphase fibroblasts. <b>1992</b> , 118, 841-58		68
1889	Molecular cloning of cellular genes encoding retinoblastoma-associated proteins: identification of a gene with properties of the transcription factor E2F. <b>1992</b> , 12, 5620-31		325
1888	Competition of aminoacyl-tRNA synthetases for tRNA ensures the accuracy of aminoacylation. <i>Nucleic Acids Research</i> , <b>1992</b> , 20, 1547-52	20.1	12
1887	Bacteriophage and spliceosomal proteins function as position-dependent cis/trans repressors of mRNA translation in vitro. <i>Nucleic Acids Research</i> , <b>1992</b> , 20, 5555-64	20.1	57
1886	A Mycoplasma protein homologous to mammalian SRP54 recognizes a highly conserved domain of SRP RNA. <i>Nucleic Acids Research</i> , <b>1992</b> , 20, 5763-70	20.1	44
1885	Cofractionation of the TATA-binding protein with the RNA polymerase III transcription factor TFIIIB. <i>Nucleic Acids Research</i> , <b>1992</b> , 20, 5889-98	20.1	57
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1867	Transcriptional regulation of the HIV-1 promoter by NF-kappa B in vitro. <i>Genes and Development</i> , <b>1992</b> , 6, 761-74	12.6	135
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1865	Pathway of incorporation of microinjected lamin A into the nuclear envelope. <b>1992</b> , 119, 725-35		137
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1861	Periodic changes in phosphorylation of the Xenopus cdc25 phosphatase regulate its activity. <b>1992</b> , 3, 927-39		270
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1859	High-efficiency expression/cloning of epidermal growth factor-receptor-binding proteins with Src homology 2 domains. <b>1992</b> , 89, 8894-8		153
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1857	Sequence-specific recognition of DNA by zinc-finger peptides derived from the transcription factor Sp1. <b>1992</b> , 89, 9759-63		133
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1854	Sequence requirements for efficient translational frameshifting in the <i>Escherichia coli</i> dnaX gene and the role of an unstable interaction between tRNA(Lys) and an AAG lysine codon. <i>Genes and Development</i> , <b>1992</b> , 6, 511-9	12.6	109
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1845	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
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1540	A simple method to renature DNA-binding proteins separated by SDS-polyacrylamide gel electrophoresis. <i>Nucleic Acids Research</i> , <b>1993</b> , 21, 6040-1	20.1	57
1539	Transgenic tobacco plants expressing the geminivirus BL1 protein exhibit symptoms of viral disease. <b>1993</b> , 5, 795-807		83
1538	A spacer protein in the <i>Saccharomyces cerevisiae</i> spindle pole body whose transcript is cell cycle-regulated. <b>1993</b> , 123, 1175-84		151
1537	Targeted delivery of peptide epitopes to class I major histocompatibility molecules by a modified <i>Pseudomonas</i> exotoxin. <b>1993</b> , 90, 3530-4		66
1536	A <i>Drosophila</i> photoreceptor cell-specific protein, calphotin, binds calcium and contains a leucine zipper. <b>1993</b> , 90, 1536-40		24
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1534	A role in DNA binding for the linker sequences of the first three zinc fingers of TFIIIA. <i>Nucleic Acids Research</i> , <b>1993</b> , 21, 3341-6	20.1	101

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1532	Cloning, expression, and crystallization of jack bean ( <i>Canavalia ensiformis</i> ) canavalin. <b>1993</b> , 101, 713-28		37
1531	An <i>E. coli</i> RuvC mutant defective in cleavage of synthetic Holliday junctions. <i>Nucleic Acids Research</i> , <b>1993</b> , 21, 3359-64	20.1	13
1530	The cysteine conserved among DNA cytosine methylases is required for methyl transfer, but not for specific DNA binding. <i>Nucleic Acids Research</i> , <b>1993</b> , 21, 295-301	20.1	74
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1523	Human CksHs2 atomic structure: a role for its hexameric assembly in cell cycle control. <b>1993</b> , 262, 387-95		123
1522	Transcription factor TFIIB sites important for interaction with promoter-bound TFIID. <b>1993</b> , 261, 463-6		49
1521	Intermediate filament formation by a yeast protein essential for organelle inheritance. <b>1993</b> , 260, 687-9		77
1520	Regulation of V(D)J recombination activator protein RAG-2 by phosphorylation. <b>1993</b> , 260, 953-9		189
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1517	Identification of C/EBP basic region residues involved in DNA sequence recognition and half-site spacing preference. <b>1993</b> , 13, 6919-30		100
1516	Nuclear protein phosphatase 2A dephosphorylates protein kinase A-phosphorylated CREB and regulates CREB transcriptional stimulation. <b>1993</b> , 13, 2822-34		282

1515	Homologous pairing between single-stranded DNA immobilized on a nitrocellulose membrane and duplex DNA is specific for RecA activity in bacterial crude extract. <i>Nucleic Acids Research</i> , <b>1993</b> , 21, 3653-7	20.1	16
1514	A widely expressed human protein-tyrosine phosphatase containing src homology 2 domains. <b>1993</b> , 90, 2197-201		189
1513	Heterogeneity of the principal sigma factor in Escherichia coli: the rpoS gene product, sigma 38, is a second principal sigma factor of RNA polymerase in stationary-phase Escherichia coli. <b>1993</b> , 90, 3511-5		321
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1511	Ankyrin-binding proteins related to nervous system cell adhesion molecules: candidates to provide transmembrane and intercellular connections in adult brain. <b>1993</b> , 121, 121-33		159
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1502	Purification and characterization of human 3-methyladenine-DNA glycosylase. <i>Nucleic Acids Research</i> , <b>1993</b> , 21, 5561-9	20.1	126
1501	Streptolysin O-permeabilized cell system for studying trans-acting activities of exogenous nuclear proteins. <i>Nucleic Acids Research</i> , <b>1993</b> , 21, 4005-10	20.1	8
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1498	Release of active cytokinin by a beta-glucosidase localized to the maize root meristem. <b>1993</b> , 262, 1051-4		308



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1484	The <i>Rhodobacter capsulatus</i> chlorin reductase-encoding locus, <i>bchA</i> , consists of three genes, <i>bchX</i> , <i>bchY</i> , and <i>bchZ</i> . <b>1993</b> , 175, 2407-13		63
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1481	ComA, a phosphorylated response regulator protein of <i>Bacillus subtilis</i> , binds to the promoter region of <i>srfA</i> . <b>1993</b> , 175, 3182-7		148
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1403	Overproduction of the bacterial flagellar switch proteins and their interactions with the MS ring complex in vitro. <b>1994</b> , 176, 3683-91		87
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1397	Serine residue 45 of nodulation protein NodF from <i>Rhizobium leguminosarum</i> bv. <i>viciae</i> is essential for its biological function. <b>1994</b> , 176, 7740-3		33
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553	Protective immunization with a novel membrane protein of <i>Plasmodium yoelii</i> -infected erythrocytes. <b>1999</b> , 67, 675-80	30
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550	Expression and characterization of the ponA (ORF I) gene of <i>Haemophilus influenzae</i> : functional complementation in a heterologous system. <b>1995</b> , 177, 6745-50	2
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547	Molecular characterization of the gene encoding the DNA gyrase A subunit of <i>Streptococcus pneumoniae</i> . <b>1998</b> , 180, 2854-61	40
546	Multidrug resistance following expression of the <i>Escherichia coli</i> marA gene in <i>Mycobacterium smegmatis</i> . <b>1998</b> , 180, 2995-8	26
545	Preparation and characterization of <i>Neisseria meningitidis</i> mutants deficient in production of the human lactoferrin-binding proteins LbpA and LbpB. <b>1998</b> , 180, 3080-90	38
544	Characterization of the hcnABC gene cluster encoding hydrogen cyanide synthase and anaerobic regulation by ANR in the strictly aerobic biocontrol agent <i>Pseudomonas fluorescens</i> CHA0. <b>1998</b> , 180, 3187-96	169

543	Characterization of the maleylacetate reductase MacA of <i>Rhodococcus opacus</i> 1CP and evidence for the presence of an isofunctional enzyme. <b>1998</b> , 180, 3503-8	24
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541	Bacterial SOS checkpoint protein SulA inhibits polymerization of purified FtsZ cell division protein. <b>1998</b> , 180, 3946-53	138
540	Substitution of an alanine residue for glycine 146 in TMP kinase from <i>Escherichia coli</i> is responsible for bacterial hypersensitivity to bromodeoxyuridine. <b>1998</b> , 180, 4291-3	2
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538	Mutational analysis of plasmid R64 thin pilus prepilin: the entire prepilin sequence is required for processing by type IV prepilin peptidase. <b>1998</b> , 180, 4613-20	29
537	Two functionally distinct regions upstream of the <i>cbbI</i> operon of <i>Rhodobacter sphaeroides</i> regulate gene expression. <b>1998</b> , 180, 4903-11	31
536	Characterization of a novel acyl carrier protein, RkpF, encoded by an operon involved in capsular polysaccharide biosynthesis in <i>Sinorhizobium meliloti</i> . <b>1998</b> , 180, 4950-4	28
535	Characterization of <i>dacC</i> , which encodes a new low-molecular-weight penicillin-binding protein in <i>Bacillus subtilis</i> . <b>1998</b> , 180, 4967-73	30
534	Ndd, the bacteriophage T4 protein that disrupts the <i>Escherichia coli</i> nucleoid, has a DNA binding activity. <b>1998</b> , 180, 5227-30	8
533	Identification of a zinc-specific metalloregulatory protein, Zur, controlling zinc transport operons in <i>Bacillus subtilis</i> . <b>1998</b> , 180, 5815-21	210
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531	The first gene of the <i>Bacillus subtilis</i> <i>clpC</i> operon, <i>ctsR</i> , encodes a negative regulator of its own operon and other class III heat shock genes. <b>1998</b> , 180, 6681-8	105
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529	Purification of <i>Leuconostoc mesenteroides</i> citrate lyase and cloning and characterization of the <i>citCDEFG</i> gene cluster. <b>1998</b> , 180, 647-54	35
528	Identification and characterization of <i>alcR</i> , a gene encoding an AraC-like regulator of alcaligin siderophore biosynthesis and transport in <i>Bordetella pertussis</i> and <i>Bordetella bronchiseptica</i> . <b>1998</b> , 180, 862-70	42
527	Biochemical and genetic characterization of trans-2'-carboxybenzalpyruvate hydratase-aldolase from a phenanthrene-degrading <i>Nocardioideis</i> strain. <b>1998</b> , 180, 945-9	31
526	Contribution of the disulfide bond of the A subunit to the action of <i>Escherichia coli</i> heat-labile enterotoxin. <b>1998</b> , 180, 1368-74	12

525	The LysR-type transcriptional regulator CbbR controlling autotrophic CO <sub>2</sub> fixation by <i>Xanthobacter flavus</i> is an NADPH sensor. <b>1998</b> , 180, 1411-7	49
524	Molecular analysis of the gene encoding F420-dependent glucose-6-phosphate dehydrogenase from <i>Mycobacterium smegmatis</i> . <b>1998</b> , 180, 2212-9	40
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522	A seven-gene locus for synthesis of phenazine-1-carboxylic acid by <i>Pseudomonas fluorescens</i> 2-79. <b>1998</b> , 180, 2541-8	203
521	Pkg2, a novel transmembrane protein Ser/Thr kinase of <i>Streptomyces granaticolor</i> . <b>1999</b> , 181, 15-23	41
520	Identification and characterization of a gene cluster for synthesis of the polyketide antibiotic 2,4-diacetylphloroglucinol from <i>Pseudomonas fluorescens</i> Q2-87. <b>1999</b> , 181, 3155-63	260
519	Characterization of MarR superrepressor mutants. <b>1999</b> , 181, 3303-6	33
518	The glucuronic acid utilization gene cluster from <i>Bacillus stearothermophilus</i> T-6. <b>1999</b> , 181, 3695-704	116
517	A mutant <i>Escherichia coli</i> primase defective in elongation of primer RNA chains. <b>1999</b> , 181, 3761-7	10
516	Overexpression of <i>Methanococcus voltae</i> flagellin subunits in <i>Escherichia coli</i> and <i>Pseudomonas aeruginosa</i> : a source of archaeal preflagellin. <b>1999</b> , 181, 4146-53	21
515	<i>Eikenella corrodens</i> phase variation involves a posttranslational event in pilus formation. <b>1999</b> , 181, 4154-60	15
514	Alteration of the repressor activity of MarR, the negative regulator of the <i>Escherichia coli</i> marRAB locus, by multiple chemicals in vitro. <b>1999</b> , 181, 4669-72	141
513	The <i>pur7</i> gene from the puromycin biosynthetic <i>pur</i> cluster of <i>Streptomyces alboniger</i> encodes a nudix hydrolase. <b>1999</b> , 181, 4914-8	10
512	Conserved cytoplasmic loops are important for both the transport and chemotaxis functions of PcaK, a protein from <i>Pseudomonas putida</i> with 12 membrane-spanning regions. <b>1999</b> , 181, 5068-74	36
511	Characterization of <i>Pseudomonas aeruginosa</i> enoyl-acyl carrier protein reductase (FabI): a target for the antimicrobial triclosan and its role in acylated homoserine lactone synthesis. <b>1999</b> , 181, 5489-97	154
510	Characterization of a <i>Pseudomonas aeruginosa</i> fatty acid biosynthetic gene cluster: purification of acyl carrier protein (ACP) and malonyl-coenzyme A:ACP transacylase (FabD). <b>1999</b> , 181, 5498-504	57
509	<i>Rhizobium</i> ( <i>Sinorhizobium</i> ) <i>meliloti</i> <i>phn</i> genes: characterization and identification of their protein products. <b>1999</b> , 181, 389-95	39
508	Dissecting the VanRS signal transduction pathway with specific inhibitors. <b>1999</b> , 181, 627-31	22

507	Sulfide-quinone reductase from <i>Rhodobacter capsulatus</i> : requirement for growth, periplasmic localization, and extension of gene sequence analysis. <b>1999</b> , 181, 6516-23	71
506	Occurrence of free D-amino acids and aspartate racemases in hyperthermophilic archaea. <b>1999</b> , 181, 6560-3	33
505	The hetC gene is a direct target of the NtcA transcriptional regulator in cyanobacterial heterocyst development. <b>1999</b> , 181, 6664-9	87
504	The IntI1 integron integrase preferentially binds single-stranded DNA of the attC site. <b>1999</b> , 181, 6844-9	49
503	The bacteriophage P1 HumD protein is a functional homolog of the prokaryotic UmuD'-like proteins and facilitates SOS mutagenesis in <i>Escherichia coli</i> . <b>1999</b> , 181, 7005-13	15
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501	Immunochemical analysis of UMP kinase from <i>Escherichia coli</i> . <b>1999</b> , 181, 833-40	17
500	Cra-dependent transcriptional activation of the <i>icd</i> gene of <i>Escherichia coli</i> . <b>1999</b> , 181, 893-8	21
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493	Genetic analysis of the mobilization and leading regions of the IncN plasmids pKM101 and pCU1. <b>1999</b> , 181, 2572-83	39
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485	Glucocorticoid receptor-binding site in the human immunodeficiency virus long terminal repeat. <b>1992</b> , 66, 586-90	46
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482	Assembly of viruslike particles by recombinant structural proteins of adeno-associated virus type 2 in insect cells. <b>1992</b> , 66, 6922-30	80
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480	Purification and characterization of poliovirus polypeptide 3CD, a proteinase and a precursor for RNA polymerase. <b>1992</b> , 66, 7481-9	93
479	An autophosphorylating but not transphosphorylating activity is associated with the unique N terminus of the herpes simplex virus type 1 ribonucleotide reductase large subunit. <b>1992</b> , 66, 7511-6	27
478	Amino acid sequence and structural properties of protein p12, an African swine fever virus attachment protein. <b>1992</b> , 66, 3860-8	20
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466	Expression and identification of hepatitis C virus polyprotein cleavage products. <b>1993</b> , 67, 1385-95	685
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464	Sequence and characterization of the major early phosphoprotein p32 of African swine fever virus. <b>1993</b> , 67, 2475-85	28
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460	Mutations that alter an Arg-Gly-Asp (RGD) sequence in the adenovirus type 2 penton base protein abolish its cell-rounding activity and delay virus reproduction in flat cells. <b>1993</b> , 67, 5198-205	216
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4 <sup>10</sup>	Cloning and expression of a human T-lymphotropic virus type 1 protein with reverse transcriptase activity. <b>1998</b> , 72, 5279-84	9
4 <sup>09</sup>	A single rep protein initiates replication of multiple genome components of faba bean necrotic yellows virus, a single-stranded DNA virus of plants. <b>1999</b> , 73, 10173-82	67
4 <sup>08</sup>	The transcriptional switch of bacteriophage WPhi, a P2-related but heteroimmune coliphage. <b>1999</b> , 73, 9816-26	21
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