

Transposon vectors containing non-antibiotic resistance  
and stable chromosomal insertion of foreign genes in gr

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Mini-Tn5 transposon derivatives for insertion mutagenesis, promoter probing, and chromosomal insertion of cloned DNA in gram-negative eubacteria. <i>Journal of Bacteriology</i> , 1990, 172, 6568-6572.	2.2	1,465
2	Mutagenesis of <i>Brucella abortus</i> : comparative efficiency of three transposon delivery systems. <i>Microbial Pathogenesis</i> , 1991, 11, 443-446.	2.9	30
3	Antibiotic resistance in the bacteria of a remote upland river catchment. <i>Letters in Applied Microbiology</i> , 1991, 13, 145-149.	2.2	14
4	[19] Genetic techniques in <i>Rhizobium meliloti</i> . <i>Methods in Enzymology</i> , 1991, 204, 398-418.	1.0	122
5	An upstream XylR- and IHF-induced nucleoprotein complex regulates the sigma 54-dependent Pu promoter of TOL plasmid.. <i>EMBO Journal</i> , 1991, 10, 1159-1167.	7.8	150
6	Identification and characterization of a gene responsible for inhibiting propagation of methylated DNA sequences in mcrA mcrB1 <i>Escherichia coli</i> strains. <i>Journal of Bacteriology</i> , 1991, 173, 4707-4716.	2.2	30
7	Molecular approaches for understanding biological control mechanisms in bacteria: Studies of the interaction of <i>Enterobacter cloacae</i> with <i>Pythium ultimum</i> . <i>Canadian Journal of Plant Pathology</i> , 1992, 14, 106-114.	1.4	19
8	Chromosome transfer in <i>Rhodobacter sphaeroides</i> : Hfr formation and genetic evidence for two unique circular chromosomes. <i>Journal of Bacteriology</i> , 1992, 174, 1135-1145.	2.2	68
9	Evidence for proliferation of <i>Enterobacter cloacae</i> on carbohydrates in cucumber and pea spermosphere. <i>Canadian Journal of Microbiology</i> , 1992, 38, 1128-1134.	1.7	30
10	Expression of <i>Bordetella pertussis</i> filamentous hemagglutinin in <i>Escherichia coli</i> using a two cistron system. <i>Microbial Pathogenesis</i> , 1992, 12, 383-389.	2.9	2
11	An improved suicide vector for construction of chromosomal insertion mutations in bacteria. <i>Gene</i> , 1992, 118, 145-146.	2.2	284
12	Mercury biotransformations and their potential for remediation of mercury contamination. <i>Biodegradation</i> , 1992, 3, 147-159.	3.0	49
13	A general system to integrate lacZ fusions into the chromosomes of gram-negative eubacteria: regulation of the P <sub>m</sub> promoter of the TOL plasmid studied with all controlling elements in monocopy. <i>Molecular Genetics and Genomics</i> , 1992, 233, 293-301.	2.4	285
14	Cloning of a DNA fragment involved in pigment production in <i>Streptomyces avermitilis</i> . <i>FEMS Microbiology Letters</i> , 1992, 91, 9-13.	1.8	7
15	Genetic engineering strategies for environmental applications. <i>Current Opinion in Biotechnology</i> , 1992, 3, 227-231.	6.6	23
16	How do non-differentiating bacteria adapt to starvation?. <i>Antonie Van Leeuwenhoek</i> , 1993, 63, 333-341.	1.7	166
17	Analysis of the DNA damage-mediated induction of <i>Pseudomonas putida</i> and <i>Pseudomonas aeruginosa</i> lexA genes. <i>FEMS Microbiology Letters</i> , 1993, 110, 65-70.	1.8	14
18	A DNA module encoding bph genes for the degradation of polychlorinated biphenyls (PCBs). <i>FEMS Microbiology Letters</i> , 1993, 113, 149-154.	1.8	32

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19	Microbial retention of mercury from waste streams in a laboratory column containing merAgene bacteria. FEMS Microbiology Reviews, 1993, 11, 145-152.	8.6	55
20	Engineering of alkyl- and haloaromatic-responsive gene expression with mini-transposons containing regulated promoters of biodegradative pathways of Pseudomonas. Gene, 1993, 130, 41-46.	2.2	113
21	A T7 RNA polymerase-based system for the construction of Pseudomonas strains with phenotypes dependent on TOL-meta pathway effectors. Gene, 1993, 134, 103-106.	2.2	36
22	Analysis of Pseudomonas gene products using lacIq/Ptrp-lac plasmids and transposons that confer conditional phenotypes. Gene, 1993, 123, 17-24.	2.2	429
23	Three different 2,3-dihydroxybiphenyl-1,2-dioxygenase genes in the gram-positive polychlorobiphenyl-degrading bacterium Rhodococcus globerulus P6. Journal of Bacteriology, 1993, 175, 4631-4640.	2.2	163
24	Transposon mutagenesis in Acinetobacter calcoaceticus RAG-1. Journal of Bacteriology, 1993, 175, 1838-1840.	2.2	20
25	Isolation and characterization of Bordetella bronchiseptica mutants deficient in siderophore activity. Journal of Bacteriology, 1993, 175, 1144-1152.	2.2	43
26	Transposon mutagenesis in Actinobacillus pleuropneumoniae with a Tn10 derivative. Journal of Bacteriology, 1993, 175, 5717-5722.	2.2	62
27	Early and late responses of TOL promoters to pathway inducers: identification of postexponential promoters in Pseudomonas putida with lacZ-tet bicistronic reporters. Journal of Bacteriology, 1993, 175, 6902-6907.	2.2	92
28	BIOCHEMICAL AND GENETIC ANALYSIS OF SIDEROPHORES PRODUCED BY PLANT-ASSOCIATED PSEUDOMONAS AND ERWINIA SPECIES. , 1993, , 27-73.		5
30	Detection of Introduced Bacteria in the Rhizosphere Using Marker Genes and DNA Probes. , 0, , 29-47.		7
31	Genetic evidence that the XylS regulator of the Pseudomonas TOL meta operon controls the Pm promoter through weak DNA-protein interactions. Journal of Bacteriology, 1994, 176, 3171-3176.	2.2	44
32	Chromosomal gene capture mediated by the Pseudomonas putida TOL catabolic plasmid. Journal of Bacteriology, 1994, 176, 4635-4641.	2.2	46
33	Genetic Strategies to Engineer Expression Systems Responsive to Relevant Environmental Signals. , 0, , 91-101.		0
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35	Molecular cloning of bacterial DNA in vivo using a transposable R6K ori and a P1vir phage. Journal of Bacteriology, 1994, 176, 1188-1191.	2.2	3
36	Transformation of Vibrio vulnificus by electroporation. Current Microbiology, 1994, 28, 289-291.	2.2	8
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38	Designing microbial systems for gene expression in the field. Trends in Biotechnology, 1994, 12, 365-371.	9.3	52
39	Controlled expression of click beetle luciferase using a bacterial operator-repressor system. FEMS Microbiology Letters, 1994, 121, 11-18.	1.8	5
40	The Behavior of Bacteria Designed for Biodegradation. Nature Biotechnology, 1994, 12, 1349-1356.	17.5	76
41	Universal barrier to lateral spread of specific genes among microorganisms. Molecular Microbiology, 1994, 13, 855-861.	2.5	75
42	Analysis of the multimer resolution system encoded by the <i>parCBA</i> operon of broad-host-range plasmid RP4. Molecular Microbiology, 1994, 12, 131-141.	2.5	91
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44	Catabolism of aromatics in <i>Pseudomonas putida</i> U. Formal evidence that phenylacetic acid and 4-hydroxyphenylacetic acid are catabolized by two unrelated pathways. FEBS Journal, 1994, 221, 375-381.	0.2	34
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46	Transformation of <i>Acinetobacter calcoaceticus</i> RAG-1 by electroporation. Canadian Journal of Microbiology, 1994, 40, 233-236.	1.7	13
47	Use of the rep technique for allele replacement to construct new <i>Escherichia coli</i> hosts for maintenance of R6K $\gamma$ origin plasmids at different copy numbers. Gene, 1994, 138, 1-7.	2.2	184
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49	[31] Analysis and construction of stable phenotypes in gram-negative bacteria with Tn5- and Tn10-derived minitransposons. Methods in Enzymology, 1994, 235, 386-405.	1.0	852
50	Designing Microorganisms for the Treatment of Toxic Wastes. Annual Review of Microbiology, 1994, 48, 525-557.	7.3	174
51	Transposon Tn5 mutagenesis of <i>Actinobacillus actinomycetemcomitans</i> via conjugation. Oral Microbiology and Immunology, 1994, 9, 290-296.	2.8	15
52	Aerobic catabolism of phenylacetic acid in <i>Pseudomonas putida</i> U: biochemical characterization of a specific phenylacetic acid transport system and formal demonstration that phenylacetyl-coenzyme A is a catabolic intermediate. Journal of Bacteriology, 1994, 176, 7667-7676.	2.2	50
53	[33] Identification of bacterial cell-surface virulence determinants with TnpH $\alpha$ . Methods in Enzymology, 1994, 235, 426-448.	1.0	18
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57	A carbon starvation survival gene of <i>Pseudomonas putida</i> is regulated by sigma 54. <i>Journal of Bacteriology</i> , 1995, 177, 1850-1859.	2.2	51
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59	A lipase of <i>Aeromonas hydrophila</i> showing nonhemolytic phospholipase C activity. <i>Current Microbiology</i> , 1995, 31, 28-33.	2.2	20
60	Regulation of citrate-dependent iron transport of <i>Escherichia coli</i> : FecR is required for transcription activation by Fecl. <i>Molecular Microbiology</i> , 1995, 15, 119-132.	2.5	108
61	Induction of phospholipase- and flagellar synthesis in <i>Serratia liquefaciens</i> is controlled by expression of the flagellar master operon flhD. <i>Molecular Microbiology</i> , 1995, 15, 445-454.	2.5	96
62	Expansion and deletion of CTG repeats from human disease genes are determined by the direction of replication in <i>E. coli</i> . <i>Nature Genetics</i> , 1995, 10, 213-218.	21.4	356
63	Use of ans-triazine nitrogen source to select for and isolate a recombinant chlorobenzoate-degrading <i>Pseudomonas</i> . <i>FEMS Microbiology Letters</i> , 1995, 133, 47-52.	1.8	7
64	Transport of bacterial inoculants through intact cores of two different soils as affected by water percolation and the presence of wheat plants. <i>FEMS Microbiology Ecology</i> , 1995, 16, 143-158.	2.7	35
65	Use of conjugative and thermosensitive cloning vectors for transposon delivery to <i>Mycobacterium smegmatis</i> . <i>FEMS Microbiology Letters</i> , 1995, 127, 35-39.	1.8	14
66	Characterization of the basic replicon of pCM1, a narrow-host-range plasmid from the moderate halophile <i>Chromohalobacter marismortui</i> . <i>Journal of Bacteriology</i> , 1995, 177, 3443-3450.	2.2	28
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69	Isolation of a carbon starvation regulatory mutant in a marine <i>Vibrio</i> strain. <i>Journal of Bacteriology</i> , 1995, 177, 6978-6982.	2.2	21
70	New mini-Tn<i>5</i> derivatives for insertion mutagenesis and genetic engineering in Gram-negative bacteria. <i>Canadian Journal of Microbiology</i> , 1995, 41, 1053-1055.	1.7	83
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72	Â-Glucuronidase (GUS) transposons for ecological and genetic studies of rhizobia and other Gram-negative bacteria. <i>Microbiology (United Kingdom)</i> , 1995, 141, 1691-1705.	1.8	300
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75	Mini-Tn10 transposon derivatives for insertion mutagenesis and gene delivery into the chromosome of Gram-negative bacteria. <i>Gene</i> , 1995, 160, 59-62.	2.2	104
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79	Transcription of repA, the Gene of the Initiation Protein of the Pseudomonas Plasmid pPS10, is Autoregulated by Interactions of the RepA Protein at a Symmetrical Operator. <i>Journal of Molecular Biology</i> , 1995, 247, 211-223.	4.2	29
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81	Rapid Detection of Mutagens by Induction of Luciferase-Bearing Prophage in Escherichia coli. <i>Environmental Science &amp; Technology</i> , 1996, 30, 2478-2483.	10.0	6
82	Recombinant Toluene-4-monooxygenase: Catalytic and Mössbauer Studies of the Purified Diiron and Rieske Components of a Four-Protein Complex. <i>Biochemistry</i> , 1996, 35, 9106-9119.	2.5	180
83	Amino acids as reduced carbon sources for Enterobacter cloacae during colonization of the spermospheres of crop plants. <i>Soil Biology and Biochemistry</i> , 1996, 28, 1015-1020.	8.8	20
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94	Development of techniques for the genetic manipulation of the gliding bacteria <i>Lysobacter enzymogenes</i> and <i>Lysobacter brunescens</i> . <i>Canadian Journal of Microbiology</i> , 1996, 42, 896-902.	1.7	13
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96	Characterization of an OprL null mutant of <i>Pseudomonas putida</i> . <i>Journal of Bacteriology</i> , 1996, 178, 5836-5840.	2.2	29
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98	Molecular characterization of the 4-hydroxyphenylacetate catabolic pathway of <i>Escherichia coli</i> W: engineering a mobile aromatic degradative cluster. <i>Journal of Bacteriology</i> , 1996, 178, 111-120.	2.2	143
99	Type 1 fimbrial expression enhances <i>Escherichia coli</i> virulence for the urinary tract.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 9827-9832.	7.1	639
100	Characterization and expression of the plasmid-borne <i>bedD</i> gene from <i>Pseudomonas putida</i> ML2, which codes for a NAD <sup>+</sup> -dependent cis-benzene dihydrodiol dehydrogenase. <i>Journal of Bacteriology</i> , 1996, 178, 5592-5601.	2.2	24
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105	Surface signaling in transcriptional regulation of the ferric citrate transport system of <i>Escherichia coli</i> : mutational analysis of the alternative sigma factor FecI supports its essential role in fec transport gene transcription. <i>Molecular Genetics and Genomics</i> , 1996, 250, 455-465.	2.4	32
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107	Labeling <i>Salmonella</i> live vaccine strains with the <i>lux</i> operon from <i>Vibrio fischeri</i> improves their detection and discrimination from wild type. <i>Microbiological Research</i> , 1996, 151, 407-419.	5.3	4
108	Chemotactic motility is required for invasion of the host by the fish pathogen <i>Vibrio anguillarum</i> . <i>Molecular Microbiology</i> , 1996, 19, 625-637.	2.5	160
109	A stringently controlled expression system for analysing lateral gene transfer between bacteria. <i>Molecular Microbiology</i> , 1996, 21, 293-300.	2.5	23



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111	Construction of a modified mini-Tn5lacZYnon-antibiotic marker cassette: ecological evaluation of alacZYmarked <i>Pseudomonas</i> strain in the sugarbeet rhizosphere. <i>FEMS Microbiology Letters</i> , 1996, 135, 251-257.	1.8	15
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113	Characterisation of carbon dioxide-inducible genes of the marine bacterium, <i>pseudomonas</i> sp. S91. <i>FEMS Microbiology Letters</i> , 1996, 140, 37-42.	1.8	19
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115	Construction of GFP vectors for use in Gram-negative bacteria other than <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 1996, 145, 87-94.	1.8	124
116	Tn5-induced <i>Xenorhabdus bovienii</i> lecithinase mutants demonstrate reduced virulence for <i>Galleria mellonella</i> larvae. <i>Journal of Applied Bacteriology</i> , 1996, 80, 411-417.	1.1	7
117	An <i>Escherichia coli</i> hemolysin transport system-based vector for the export of polypeptides: Export of shiga-like toxin IIeB subunit by <i>Salmonella typhimurium</i> aroA. <i>Nature Biotechnology</i> , 1996, 14, 765-769.	17.5	75
118	Restricting the Dispersal of Recombinant DNA: Design of a Contained Biological Catalyst. <i>Nature Biotechnology</i> , 1996, 14, 189-191.	17.5	11
119	Expression and Biological Activity of Mouse Fibroblast Growth Factor-9. <i>Journal of Biological Chemistry</i> , 1996, 271, 1726-1731.	3.4	87
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121	Effector Specificity Mutants of the Transcriptional Activator NahR of Naphthalene Degrading <i>Pseudomonas</i> Define Protein Sites Involved in Binding of Aromatic Inducers. <i>Journal of Biological Chemistry</i> , 1997, 272, 3986-3992.	3.4	87
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123	Maintenance of broad-host-range incompatibility group P and group Q plasmids and transposition of Tn5 in <i>Bartonella henselae</i> following conjugal plasmid transfer from <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 1997, 179, 538-540.	2.2	262
124	Structural and functional analysis of the phosphoenolpyruvate carboxylase gene from the purple nonsulfur bacterium <i>Rhodospseudomonas palustris</i> No. 7. <i>Journal of Bacteriology</i> , 1997, 179, 4942-4945.	2.2	20
125	Construction and characterization of genetically-marked bivalent anti- <i>Shigella dysenteriae</i> 1 and anti- <i>Shigella flexneri</i> live vaccine candidates. <i>Microbial Pathogenesis</i> , 1997, 22, 363-376.	2.9	10
126	Identification and molecular characterization of a 27 kDa <i>Shigella flexneri</i> invasion plasmid antigen, IpaJ. <i>Microbial Pathogenesis</i> , 1997, 23, 357-369.	2.9	12
127	Measurement of the competitiveness index of <i>Rhizobium tropici</i> strain CIAT899 derivatives marked with the gusA gene. <i>Soil Biology and Biochemistry</i> , 1997, 29, 1099-1110.	8.8	33



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128	Chromosomal insertion of the entire <i>Escherichia coli</i> lactose operon, into two strains of <i>Pseudomonas</i> , using a modified mini-Tn5 delivery system. <i>Gene</i> , 1997, 186, 167-173.	2.2	51
129	Green fluorescent protein-based reporter systems for genetic analysis of bacteria including monocopy applications. <i>Gene</i> , 1997, 196, 69-74.	2.2	130
130	Insertional mutagenesis by a modified in vitro Ty1 transposition system. <i>Gene</i> , 1997, 198, 27-35.	2.2	27
131	Genetic characterization of insertion sequence ISJP4 on plasmid pJP4 from <i>Ralstonia eutropha</i> JMP134. <i>Gene</i> , 1997, 202, 103-114.	2.2	33
132	Heterologous expression of biphenyl dioxygenase-encoding genes from a gram-positive broad-spectrum polychlorinated biphenyl degrader and characterization of chlorobiphenyl oxidation by the gene products. <i>Journal of Bacteriology</i> , 1997, 179, 1924-1930.	2.2	58
133	Construction of a trivalent candidate <i>Shigella</i> vaccine strain with host-vector balanced-lethal system. <i>Science in China Series C: Life Sciences</i> , 1997, 40, 52-59.	1.3	1
134	A method for modifying the adhesive phenotype of wild isolates of <i>Escherichia coli</i> in coli-bacterin producer strains. <i>Bulletin of Experimental Biology and Medicine</i> , 1997, 124, 917-920.	0.8	0
135	A locus coding for putative non-ribosomal peptide/polyketide synthase functions is mutated in a swarming-defective <i>Proteus mirabilis</i> strain. <i>Molecular Genetics and Genomics</i> , 1997, 253, 415-427.	2.4	40
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138	Bacterial copper- and zinc-cofactored superoxide dismutase contributes to the pathogenesis of systemic salmonellosis. <i>Molecular Microbiology</i> , 1997, 25, 785-796.	2.5	137
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