

Influence of insertions on packaging of host sequences of  
Mu DNA.

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Location of the "variable end" of Mu DNA within the bacteriophage particle. <i>Virology</i> , 1976, 72, 393-401.	1.1	16
2	Ends of bacteriophage Mu DNA. <i>Nature</i> , 1976, 264, 580-583.	13.7	68
3	Basis for the diversity of states of controlling elements in maize. <i>Molecular Genetics and Genomics</i> , 1976, 149, 5-21.	2.4	39
4	IS-Elements in Microorganisms. , 1976, 75, 111-152.		157
5	State of prophage Mu DNA upon induction.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1977, 74, 3143-3147.	3.3	98
6	Characterization of the new osmotic mutants (os) which originated during genetic transformation in <i>Neurospora crassa</i> . <i>Genetical Research</i> , 1977, 29, 9-19.	0.3	11
7	DNA maturation by the "headful" mode in bacteriophage T1. <i>Journal of Molecular Biology</i> , 1977, 110, 441-465.	2.0	38
8	Transcription of insertion elements IS1 and IS2 in vitro. <i>Molecular Genetics and Genomics</i> , 1977, 153, 51-60.	2.4	4
9	Preferential generalized transduction by bacteriophage Mu. <i>Molecular Genetics and Genomics</i> , 1978, 160, 89-94.	2.4	13
10	Involvement of phage Mu-1 early functions in Mu-mediated chromosomal rearrangements. <i>Nature</i> , 1978, 271, 580-582.	13.7	85
11	Chromosomal rearrangements by an IS2 insertion in phage Mu-1. <i>Gene</i> , 1978, 4, 51-68.	1.0	9
12	Insertion of a transposon for chloramphenicol resistance into bacteriophage Mu. <i>Gene</i> , 1978, 3, 303-314.	1.0	13
13	Heteroduplex electron microscopy of phage Mu Mutants containing IS1 insertions and chloramphenicol resistance transposons. <i>Gene</i> , 1978, 3, 333-346.	1.0	13
14	<i>Proteus mirabilis</i> Phage 5006M: a Physical Characterization. <i>Journal of General Virology</i> , 1979, 45, 389-395.	1.3	13
15	In vitro constructed plasmids containing both ends of bacteriophage Mu DNA express phage functions. <i>Molecular Genetics and Genomics</i> , 1979, 169, 97-105.	2.4	37
16	The isolation and characterisation of a plaque-forming derivative of bacteriophage Mu carrying a fragment of Tn3 conferring ampicillin resistance. <i>Molecular Genetics and Genomics</i> , 1979, 172, 179-184.	2.4	93
17	The origin of the DNA in transducing particles of bacteriophage Mu. <i>Molecular Genetics and Genomics</i> , 1979, 176, 293-295.	2.4	4
18	Effects of prophage Mu induction on expression of adjacent host genes. <i>Molecular Biology Reports</i> , 1980, 6, 229-234.	1.0	7

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19	Physical characterization of mini-Mu and mini-D108. <i>Gene</i> , 1981, 14, 103-113.	1.0	42
20	The influence of host DNA replication on the formation of infectious and transducing Mu-particles. <i>Molecular Genetics and Genomics</i> , 1981, 184, 308-311.	2.4	9
21	Heterogeneous host DNA attached to the left end of mature bacteriophage Mu DNA. <i>Nature</i> , 1981, 292, 175-176.	13.7	33
22	DNA methyltransferase-dependent transcription of the phage Mu <i>mom</i> gene.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1982, 79, 5518-5521.	3.3	69
23	Avall and BglI restriction maps of bacteriophage Mu. <i>Virology</i> , 1983, 126, 563-575.	1.1	21
24	Transduction of multi-copy plasmid pBR322 by bacteriophage Mu. <i>Molecular Genetics and Genomics</i> , 1984, 197, 169-174.	2.4	15
25	DNA sequences at the ends of the genome of bacteriophage Mu essential for transposition.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1985, 82, 2087-2091.	3.3	57
26	Transposition of mini-Mu containing only one of the ends of bacteriophage Mu.. <i>EMBO Journal</i> , 1986, 5, 3687-3690.	3.5	19
27	The right end of transposable bacteriophage D108 contains a 520 base pair protein-encoding sequence not present in bacteriophage Mu. <i>Nucleic Acids Research</i> , 1987, 15, 6691-6704.	6.5	3
28	Cloning and characterization of <i>nifA</i> and <i>ntrC</i> genes of the stem nodulating bacterium ORS571, the nitrogen fixing symbiont of <i>Sesbania rostrata</i> : Regulation of nitrogen fixation ( <i>nif</i> ) genes in the free living versus symbiotic state. <i>Molecular Genetics and Genomics</i> , 1987, 206, 207-219.	2.4	77
29	In vivo functional characterization of a yeast nucleotide sequence: construction of a mini-Mu derivative adapted to yeast. <i>Gene</i> , 1988, 62, 45-54.	1.0	26
30	Replication forks of <i>Escherichia coli</i> are not the preferred sites for lysogenic integration of bacteriophage Mu. <i>Journal of Bacteriology</i> , 1988, 170, 3089-3093.	1.0	3
31	The cis-acting DNA sequences required in vivo for bacteriophage Mu helper-mediated transposition and packaging. <i>Archives of Microbiology</i> , 1990, 154, 67-72.	1.0	13
32	Bacteriophage Mu as a genetic tool to study <i>Erwinia amylovora</i> pathogenicity and hypersensitive reaction on tobacco. <i>Journal of Bacteriology</i> , 1990, 172, 932-941.	1.0	35
33	In vitro maturation and encapsidation of the DNA of transposable Mu-like phage D108.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 6092-6096.	3.3	6
34	Approaches to the identification of non-essential genes of African swine fever virus. <i>Veterinary Microbiology</i> , 1992, 33, 101-115.	0.8	3
35	Regulation of bacteriophage Mu transposition. <i>Genetica</i> , 1994, 93, 27-39.	0.5	18
36	11 Transposon Tagging II: Exploration of Gene Function and Regulatory Networks in Yeast with the Mini-Mu Transposon. <i>Methods in Microbiology</i> , 1998, , 181-200.	0.4	1

#	ARTICLE	IF	CITATIONS
38	DNA gyrase requirements distinguish the alternate pathways of Mu transposition. <i>Molecular Microbiology</i> , 2003, 47, 397-409.	1.2	18
39	Characterization of P lys -proximal morphogenetic genes of transposable bacteriophage Mu. <i>Archives of Virology</i> , 2004, 149, 241-259.	0.9	1
40	Immunity of replicating Mu to self-integration: a novel mechanism employing MuB protein. <i>Mobile DNA</i> , 2010, 1, 8.	1.3	21
41	Characterization of a newly discovered Mu-like bacteriophage, RcapMu, in <i>Rhodobacter capsulatus</i> strain SB1003. <i>Virology</i> , 2011, 421, 211-221.	1.1	39
42	Application of the bacteriophage Mu-driven system for the integration/amplification of target genes in the chromosomes of engineered Gram-negative bacteria—mini review. <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 857-871.	1.7	29
43	Analysis of phage Mu DNA transposition by whole-genome <i>Escherichia coli</i> tiling arrays reveals a complex relationship to distribution of target selection protein B, transcription and chromosome architectural elements. <i>Journal of Biosciences</i> , 2011, 36, 587-601.	0.5	17
44	Gain and Loss of Phototrophic Genes Revealed by Comparison of Two <i>Citromicrobium</i> Bacterial Genomes. <i>PLoS ONE</i> , 2012, 7, e35790.	1.1	12
45	A marine inducible prophage vB_CibM-P1 isolated from the aerobic anoxygenic phototrophic bacterium <i>Citromicrobium bathyomarinum</i> JL354. <i>Scientific Reports</i> , 2014, 4, 7118.	1.6	19
46	My life with Mu. <i>Bacteriophage</i> , 2015, 5, e1034336.	1.9	3
47	Transposable phages, DNA reorganization and transfer. <i>Current Opinion in Microbiology</i> , 2017, 38, 88-94.	2.3	33
48	Predicting genome terminus sequences of <i>Bacillus cereus</i> -group bacteriophage using next generation sequencing data. <i>BMC Genomics</i> , 2017, 18, 350.	1.2	19
49	Characteristics of two myoviruses induced from the coastal photoheterotrophic bacterium <i>PorphYROBACTER</i> sp. YT40. <i>FEMS Microbiology Letters</i> , 2019, 366, .	0.7	1
50	Deep sequencing reveals new roles for MuB in transposition immunity and target-capture, and redefines the insular Ter region of <i>E. coli</i> . <i>Mobile DNA</i> , 2020, 11, 26.	1.3	4
51	Bacteriophage-Mediated Horizontal Gene Transfer: Transduction. , 2021, , 151-192.		13
52	Low Level and High Level DNA Rearrangements in <i>Escherichia coli</i> . , 1982, 20, 235-244.		4
53	Animal Virus-Host Genome Interactions. , 1977, , 279-399.		13
54	Phage Mu. , 1988, , 193-234.		27
55	Determining DNA Packaging Strategy by Analysis of the Termini of the Chromosomes in Tailed-Bacteriophage Virions. <i>Methods in Molecular Biology</i> , 2009, 502, 91-111.	0.4	263

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56	Bacteriophage-Mediated Horizontal Gene Transfer: Transduction. , 2017, , 1-42.		11
57	Bacteriophage Mu. , 1998, , 65-80.		3
58	THE MU PARADOX: EXCISION VERSUS REPLICATION11This work was supported by NIH Grant GM21351. R.B.H. is recipient of NIH Research Career Development Award K04-GM 00372.. , 1979, , 143-154.		3
59	Phage Mu: Transposition as a Life-Style. , 1983, , 105-158.		56
60	Bacteriophage Mu DNA replication in vitro.. Journal of Biological Chemistry, 1983, 258, 4293-4297.	1.6	16
61	Stimulation of deletions in the Escherichia coli chromosome by partially induced Mu <sub>62</sub> prophages. Journal of Bacteriology, 1978, 136, 477-483.	1.0	40
62	Inversion induced by temperature bacteriophage mu-1 in the chromosome of Escherichia coli K-12. Journal of Bacteriology, 1980, 142, 391-399.	1.0	17
63	A new insertion sequence, IS121, is found on the Mu dl1 (Ap lac) bacteriophage and the Escherichia coli K-12 chromosome. Journal of Bacteriology, 1983, 156, 669-679.	1.0	49
64	Plasmid insertion mutagenesis and lac gene fusion with mini-mu bacteriophage transposons. Journal of Bacteriology, 1984, 158, 488-495.	1.0	579
65	Genetic analysis of heterogeneous DNA circles formed after prophage Mu induction. Journal of Virology, 1976, 19, 756-759.	1.5	8
66	Mutator bacteriophage D108 and its DNA: an electron microscopic characterization. Journal of Virology, 1981, 37, 420-430.	1.5	44
67	Head morphogenesis of complex double-stranded deoxyribonucleic acid bacteriophages. Microbiological Reviews, 1978, 42, 529-576.	10.1	188
70	Additive recombination in bacteria. Bacteriological Reviews, 1977, 41, 872-902.	7.7	12
79	Transposition of mini-Mu containing only one of the ends of bacteriophage Mu. EMBO Journal, 1986, 5, 3687-90.	3.5	10