# Applications of the Saccharomyces cerevisiae Flp Genetics

Journal of Molecular Microbiology and Biotechnology

5, 67-77

DOI: 10.1159/000069976

Citation Report

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Pseudomonas. , 2004, , . | | 19 |
| 2 | Consecutive gene deletions in Mycobacterium smegmatis using the yeast FLP recombinase. Gene, 2004, 343, 181-190. | 1.0 | 38 |
| 3 | The functional mapping of long-range transcription control elements of the HOX11 proto-oncogene. Biochemical and Biophysical Research Communications, 2004, 313, 327-335. | 1.0 | 7 |
| 4 | Risk mitigation of genetically modified bacteria and plants designed for bioremediation. Journal of Industrial Microbiology and Biotechnology, 2005, 32, 639-650. | 1.4 | 92 |
| 5 | Pyramiding Unmarked Deletions in Ralstonia solanacearum Shows That Secreted Proteins in Addition to Plant Cell-Wall-Degrading Enzymes Contribute to Virulence. Molecular Plant-Microbe Interactions, 2005, 18, 1296-1305. | 1.4 | 124 |
| 6 | A comprehensive transposon mutant library ofFrancisella novicida, a bioweapon surrogate. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1009-1014. | 3.3 | 254 |
| 7 | Functional expression of the Flp recombinase in Mycobacterium bovis BCG. Gene, 2007, 399, 112-119. | 1.0 | 27 |
| 8 | Construction and analysis of Leishmania tarentolae transgenic strains free of selection markers. Molecular and Biochemical Parasitology, 2007, 155, 71-83. | 0.5 | 13 |
| 9 | Functional expression of the Cre recombinase in actinomycetes. Applied Microbiology and Biotechnology, 2008, 78, 1065-1070. | 1.7 | 56 |
| 10 | Marker removal from actinomycetes genome using Flp recombinase. Gene, 2008, 419, 43-47. | 1.0 | 52 |
| 11 | Marker Removal in Staphylococci via Cre Recombinase and Different lox Sites. Applied and Environmental Microbiology, 2008, 74, 1316-1323. | 1.4 | 61 |
| 12 | Genetic Tools for Select-Agent-Compliant Manipulation of Burkholderia pseudomallei. Applied and Environmental Microbiology, 2008, 74, 1064-1075. | 1.4 | 199 |
| 13 | Bacterial genetics: past achievements, present state of the field, and future challenges. BioTechniques, 2008, 44, 633-641. | 0.8 | 52 |
| 14 | New methods for tightly regulated gene expression and highly efficient chromosomal integration of cloned genes forMethanosarcinaspecies. Archaea, 2008, 2, 193-203. | 2.3 | 109 |
| 15 | In vivo Activation of Tetracycline Rep ressor by Cre/<i>lox</i>-Mediated Gene Assembly. Journal of Molecular Microbiology and Biotechnology, 2009, 17, 136-145. | 1.0 | 7 |
| 16 | Use of the native flp gene to generate in-frame unmarked mutations in Streptomyces spp.. Gene, 2009, 443, 48-54. | 1.0 | 12 |
| 17 | Site-specific recombinases in genetic engineering: Modern in vivo technologies. Cytology and Genetics, 2010, 44, 244-251. | 0.2 | 1 |
| 18 | Scarless and sequential gene modification in Pseudomonas using PCR product flanked by short homology regions. BMC Microbiology, 2010, 10, 209. | 1.3 | 50 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Methods for genetic manipulation of Burkholderia gladioli pathovar cocovenenans. BMC Research Notes, 2010, 3, 308. | 0.6 | 12 |
| 20 | Validation study of 24 deepwell microtiterplates to screen libraries of strains in metabolic engineering. Journal of Bioscience and Bioengineering, 2010, 110, 646-652. | 1.1 | 10 |
| 21 | BglBricks: A flexible standard for biological part assembly. Journal of Biological Engineering, 2010, 4, 1. | 2.0 | 348 |
| 22 | The use of FLPâ€mediated recombination for the functional analysis of an effector gene family in the biotrophic smut fungus Ustilago maydis. New Phytologist, 2010, 187, 957-968. | 3.5 | 93 |
| 23 | Application of the Saccharomyces cerevisiae FLP/ FRT Recombination System in Filamentous Fungi for Marker Recycling and Construction of Knockout Strains Devoid of Heterologous Genes. Applied and Environmental Microbiology, 2010, 76, 4664-4674. | 1.4 | 76 |
| 24 | Improved gene targeting in C. elegans using counter-selection and Flp-mediated marker excision. Genomics, 2010, 95, 37-46. | 1.3 | 16 |
| 25 | Genetic analysis of selenocysteine biosynthesis in the archaeon Methanococcus maripaludis. Molecular Microbiology, 2011, 81, 249-258. | 1.2 | 19 |
| 26 | Modification of the Genome of Rhodobacter sphaeroides and Construction of Synthetic Operons. Methods in Enzymology, 2011, 497, 519-538. | 0.4 | 28 |
| 27 | Efficient Generation of Unmarked Deletions inLegionella pneumophila. Applied and Environmental Microbiology, 2011, 77, 2545-2548. | 1.4 | 19 |
| 28 | Site-Specific Recombination Strategies for Engineering Actinomycete Genomes. Applied and Environmental Microbiology, 2012, 78, 1804-1812. | 1.4 | 88 |
| 29 | Actinomycetes genome engineering approaches. Antonie Van Leeuwenhoek, 2012, 102, 503-516. | 0.7 | 26 |
| 30 | Two Systems for Targeted Gene Deletion in Coxiella burnetii. Applied and Environmental Microbiology, 2012, 78, 4580-4589. | 1.4 | 99 |
| 31 | Genetic Manipulation of Coxiella burnetii. Advances in Experimental Medicine and Biology, 2012, 984, 249-271. | 0.8 | 35 |
| 32 | Streamlining of a Pseudomonas putida Genome Using a Combinatorial Deletion Method Based on Minitransposon Insertion and the Flp-FRT Recombination System. Methods in Molecular Biology, 2012, 813, 249-266. | 0.4 | 13 |
| 33 | Synthetic Gene Networks. Methods in Molecular Biology, 2012, , . | 0.4 | 2 |
| 34 | Coxiella burnetii: Recent Advances and New Perspectives in Research of the Q Fever Bacterium. Advances in Experimental Medicine and Biology, 2012, , . | 0.8 | 16 |
| 35 | Genetic manipulation of Methanosarcina spp.. Frontiers in Microbiology, 2012, 3, 259. | 1.5 | 45 |
| 36 | Enhanced electrotransformation of the ethanologen Zymomonas mobilis ZM4 with plasmids. Engineering in Life Sciences, 2012, 12, 152-161. | 2.0 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Random and cyclical deletion of large DNA segments in the genome of Pseudomonas putida. Environmental Microbiology, 2012, 14, 1444-1453. | 1.8 | 56 |
| 38 | Towards a metabolic engineering strain â€œcommonsâ€• An Escherichia coli platform strain for ethanol production. Biotechnology and Bioengineering, 2013, 110, 1520-1526. | 1.7 | 24 |
| 39 | Genome engineering in actinomycetes using site-specific recombinases. Applied Microbiology and Biotechnology, 2013, 97, 4701-4712. | 1.7 | 16 |
| 40 | Application of the FLP/FRT recombination system in cyanobacteria for construction of markerless mutants. Applied Microbiology and Biotechnology, 2013, 97, 6373-6382. | 1.7 | 32 |
| 41 | Site-Directed Mutagenesis Using Oligonucleotide-Based Recombineering. , 2013, , . | | 2 |
| 42 | Flp Site-Specific Recombination System. , 2013, , 72-77. | | 0 |
| 43 | Parallel In Vivo DNA Assembly by Recombination: Experimental Demonstration and Theoretical Approaches. PLoS ONE, 2013, 8, e56854. | 1.1 | 7 |
| 44 | Flippase (FLP) recombinase-mediated marker recycling in the dermatophyte Arthroderma vanbreuseghemii. Microbiology (United Kingdom), 2014, 160, 2122-2135. | 0.7 | 14 |
| 45 | FLP-FRT-Based Method To Obtain Unmarked Deletions of CHU _ 3237 ( porU ) and Large Genomic Fragments of Cytophaga hutchinsonii. Applied and Environmental Microbiology, 2014, 80, 6037-6045. | 1.4 | 37 |
| 46 | Chassis optimization as a cornerstone for the application of synthetic biology based strategies in microbial secondary metabolism. Frontiers in Microbiology, 2015, 6, 906. | 1.5 | 30 |
| 47 | Genome engineering and direct cloning of antibiotic gene clusters via phage Ï•BT1 integrase-mediated site-specific recombination in Streptomyces. Scientific Reports, 2015, 5, 8740. | 1.6 | 62 |
| 48 | Quorum Sensing Protects Pseudomonas aeruginosa against Cheating by Other Species in a Laboratory Coculture Model. Journal of Bacteriology, 2015, 197, 3154-3159. | 1.0 | 58 |
| 49 | Testing the utility of site-specific recombinases for manipulations of genome of moenomycin producer Streptomyces ghanaensis ATCC14672. Journal of Applied Genetics, 2015, 56, 547-550. | 1.0 | 7 |
| 50 | Genetic tools for manipulating Acinetobacter baumannii genome: an overview. Journal of Medical Microbiology, 2015, 64, 657-669. | 0.7 | 26 |
| 51 | Î» Recombination and Recombineering. EcoSal Plus, 2016, 7, . | 2.1 | 90 |
| 53 | Genome Editing of Structural Variations: Modeling and Gene Correction. Trends in Biotechnology, 2016, 34, 548-561. | 4.9 | 18 |
| 54 | The Genetic System of Actinobacteria. , 2017, , 79-121. | | 0 |
| 55 | Engineering Gram-Negative Microbial Cell Factories Using Transposon Vectors. Methods in Molecular Biology, 2017, 1498, 273-293. | 0.4 | 23 |

| # | Article | IF | Citations |
|---|---|---|---|
| 56 | Application of FLP-FRT System to Construct Unmarked Deletion in Helicobacter pylori and Functional Study of Gene hp0788 in Pathogenesis. Frontiers in Microbiology, 2017, 8, 2357. | 1.5 | 3 |
| 57 | Flp Site-Specific Recombination System â˜†. , 2017, , . | | 0 |
| 58 | Developing a flippase-mediated maker recycling protocol for the oleaginous yeast Rhodosporidium toruloides. Biotechnology Letters, 2018, 40, 933-940. | 1.1 | 9 |
| 59 | A Genetic System for Methanocaldococcus jannaschii: An Evolutionary Deeply Rooted Hyperthermophilic Methanarchaeon. Frontiers in Microbiology, 2019, 10, 1256. | 1.5 | 22 |
| 60 | Challenges and advances in genetic manipulation of filamentous actinomycetes â€“ the remarkable producers of specialized metabolites. Natural Product Reports, 2019, 36, 1351-1369. | 5.2 | 27 |
| 61 | Development of a novel selection/counter-selection system for chromosomal gene integrations and deletions in lactic acid bacteria. BMC Molecular Biology, 2019, 20, 10. | 3.0 | 13 |
| 62 | An Update on Molecular Tools for Genetic Engineering of Actinomycetesâ€"The Source of Important Antibiotics and Other Valuable Compounds. Antibiotics, 2020, 9, 494. | 1.5 | 20 |
| 63 | A CRISPR-Cas9, Cre-lox, and Flp-FRT Cascade Strategy for the Precise and Efficient Integration of Exogenous DNA into Cellular Genomes. CRISPR Journal, 2020, 3, 470-486. | 1.4 | 6 |
| 64 | Remediation of Heavy Metals Through Genetically Engineered Microorganism. Environmental and Microbial Biotechnology, 2021, , 315-366. | 0.4 | 2 |
| 65 | Rapid visualized assessment of drug efficacy in live mice with a selectable marker-free autoluminescent Klebsiella pneumoniae. Biosensors and Bioelectronics, 2021, 177, 112919. | 5.3 | 6 |
| 66 | Molecular Tools for Genetic Analysis of Pseudomonads. , 2004, , 317-350. | | 8 |
| 67 | A modified method of gene disruption in Komagataella phaffii with Cre/loxP system. Journal of Biotechnology, 2022, 347, 40-48. | 1.9 | 2 |
| 69 | Generation of markerless and multiple-gene knockout in Glaesserella parasuis based on natural transformation and Flp recombinase. Applied Microbiology and Biotechnology, 2022, 106, 5167-5178. | 1.7 | 2 |
| 70 | Efficient Bacterial Genome Engineering throughout the Central Dogma Using the Dual-Selection Marker tetA<sup>OPT</sup>. ACS Synthetic Biology, 2022, 11, 3440-3450. | 1.9 | 4 |
| 71 | Engineered Agrobacterium improves transformation by mitigating plant immunity detection. New Phytologist, 2023, 237, 2493-2504. | 3.5 | 6 |
| 72 | Development and Perspective of Rhodotorula toruloides as an Efficient Cell Factory. Journal of Agricultural and Food Chemistry, 2023, 71, 1802-1819. | 2.4 | 5 |