

Establishment of wMel Wolbachia in *Aedes aegypti* mosquitoes to reduce dengue transmission in Cairns and surrounding locations, Queensland, Australia

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Climate Change, Health and Mosquito-Borne Diseases: Trends and Implications to the Pacific Region. International Journal of Environmental Research and Public Health, 2019, 16, 5114.	1.2	33
2	A Low-Powered and Highly Selective Trap for Male Aedes (Diptera: Culicidae) Surveillance: The Male Aedes Sound Trap. Journal of Medical Entomology, 2021, 58, 408-415.	0.9	13
3	Resistance to natural and synthetic gene drive systems. Journal of Evolutionary Biology, 2020, 33, 1345-1360.	0.8	43
4	Wolbachia and Sirtuin-4 interaction is associated with alterations in host glucose metabolism and bacterial titer. PLoS Pathogens, 2020, 16, e1008996.	2.1	6
5	Adequacy and sufficiency evaluation of existing EFSA guidelines for the molecular characterisation, environmental risk assessment and post-market environmental monitoring of genetically modified insects containing engineered gene drives. EFSA Journal, 2020, 18, e06297.	0.9	23
6	Wolbachia Genome Stability and mtDNA Variants in Aedes aegypti Field Populations Eight Years after Release. IScience, 2020, 23, 101572.	1.9	23
7	Novel phenotype of Wolbachia strain wPip in Aedes aegypti challenges assumptions on mechanisms of Wolbachia-mediated dengue virus inhibition. PLoS Pathogens, 2020, 16, e1008410.	2.1	36
8	Next-generation gene drive for population modification of the malaria vector mosquito, <i>Anopheles gambiae</i> . Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22805-22814.	3.3	157
9	Phylogeny and Density Dynamics of Wolbachia Infection of the Health Pest Paederus fuscipes Curtis (Coleoptera: Staphylinidae). Insects, 2020, 11, 625.	1.0	7
10	The RNAi Pathway Is Important to Control Mayaro Virus Infection in Aedes aegypti but not for Wolbachia-Mediated Protection. Viruses, 2020, 12, 871.	1.5	11
11	Enhancement of Aedes aegypti susceptibility to dengue by Wolbachia is not supported. Nature Communications, 2020, 11, 6111.	5.8	2
12	Wolbachia's Deleterious Impact on Aedes aegypti Egg Development: The Potential Role of Nutritional Parasitism. Insects, 2020, 11, 735.	1.0	32
13	Wolbachia in Native Populations of Aedes albopictus (Diptera: Culicidae) From Yucatan Peninsula, Mexico. Journal of Insect Science, 2020, 20, .	0.6	8
14	Microbiome Innovation in Agriculture: Development of Microbial Based Tools for Insect Pest Management. Frontiers in Sustainable Food Systems, 2020, 4, .	1.8	30
15	Historical Perspective and Biotechnological Trends to Block Arboviruses Transmission by Controlling Aedes aegypti Mosquitos Using Different Approaches. Frontiers in Medicine, 2020, 7, 275.	1.2	6
16	The cost-effectiveness of controlling dengue in Indonesia using wMel Wolbachia released at scale: a modelling study. BMC Medicine, 2020, 18, 186.	2.3	24
17	An elusive endosymbiont: Does <i>Wolbachia</i> occur naturally in <i>Aedes aegypti</i> ?. Ecology and Evolution, 2020, 10, 1581-1591.	0.8	63
18	Heatwaves cause fluctuations in wMel Wolbachia densities and frequencies in Aedes aegypti. PLoS Neglected Tropical Diseases, 2020, 14, e0007958.	1.3	70

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19	Multiple Wolbachia strains provide comparative levels of protection against dengue virus infection in <i>Aedes aegypti</i> . PLoS Pathogens, 2020, 16, e1008433.	2.1	57
21	The Antiviral Effects of the Symbiont Bacteria Wolbachia in Insects. Frontiers in Immunology, 2020, 11, 626329.	2.2	42
22	Intracellular Density of <i>Wolbachia</i> Is Mediated by Host Autophagy and the Bacterial Cytoplasmic Incompatibility Gene <i>cifB</i> in a Cell Type-Dependent Manner in <i>Drosophila melanogaster</i> . MBio, 2021, 12, .	1.8	101
23	Infertility and fecundity loss of Wolbachia-infected <i>Aedes aegypti</i> hatched from quiescent eggs is expected to alter invasion dynamics. PLoS Neglected Tropical Diseases, 2021, 15, e0009179.	1.3	41
24	Comprehensive Quantitative Proteome Analysis of <i>Aedes aegypti</i> Identifies Proteins and Pathways Involved in Wolbachia pipientis and Zika Virus Interference Phenomenon. Frontiers in Physiology, 2021, 12, 642237.	1.3	17
25	Prophylactic strategies to control chikungunya virus infection. Virus Genes, 2021, 57, 133-150.	0.7	6
26	Evidence for natural hybridization and novel <i>Wolbachia</i> strain superinfections in the <i>Anopheles gambiae</i> complex from Guinea. Royal Society Open Science, 2021, 8, 202032.	1.1	11
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29	Mosquito Control Based on Pesticides and Endosymbiotic Bacterium Wolbachia. Bulletin of Mathematical Biology, 2021, 83, 58.	0.9	14
30	Microbial Diversity of Adult <i>Aedes aegypti</i> and Water Collected from Different Mosquito Aquatic Habitats in Puerto Rico. Microbial Ecology, 2021, , 1.	1.4	14
31	Reduced competence to arboviruses following the sustainable invasion of Wolbachia into native <i>Aedes aegypti</i> from Southeastern Brazil. Scientific Reports, 2021, 11, 10039.	1.6	31
32	Comprehensive Ecological and Geographic Characterization of Eukaryotic and Prokaryotic Microbiomes in African <i>Anopheles</i> . Frontiers in Microbiology, 2021, 12, 635772.	1.5	5
33	Re-emergence of dengue virus in regional Queensland: 2019 dengue virus outbreak in Rockhampton, Central Queensland, Australia. Communicable Diseases Intelligence (2018), 2021, 45, .	0.3	4
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36	Living in the endosymbiotic world of Wolbachia: A centennial review. Cell Host and Microbe, 2021, 29, 879-893.	5.1	162
37	Using <i>Wolbachia</i> to Eliminate Dengue: Will the Virus Fight Back?. Journal of Virology, 2021, 95, e0220320.	1.5	19
38	The Effect of Radiation on the Gut Bacteriome of <i>Aedes albopictus</i> . Frontiers in Microbiology, 2021, 12, 671699.	1.5	1
39	Voltage-sensitive sodium channel (Vssc) mutations associated with pyrethroid insecticide resistance in <i>Aedes aegypti</i> (L.) from two districts of Jeddah, Kingdom of Saudi Arabia: baseline information for a Wolbachia release program. Parasites and Vectors, 2021, 14, 361.	1.0	6

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40	Microbes increase thermal sensitivity in the mosquito <i>Aedes aegypti</i> , with the potential to change disease distributions. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009548.	1.3	16
41	The impact of artificial selection for Wolbachia-mediated dengue virus blocking on phage WO. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009637.	1.3	6
42	Effectiveness of Wolbachia-infected mosquito deployments in reducing the incidence of dengue and other <i>Aedes</i> -borne diseases in Niterói, Brazil: A quasi-experimental study. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009556.	1.3	93
43	Combating mosquito-borne diseases using genetic control technologies. <i>Nature Communications</i> , 2021, 12, 4388.	5.8	76
44	Large-Scale Deployment and Establishment of Wolbachia Into the <i>Aedes aegypti</i> Population in Rio de Janeiro, Brazil. <i>Frontiers in Microbiology</i> , 2021, 12, 711107.	1.5	30
45	Wolbachia as translational science: controlling mosquito-borne pathogens. <i>Trends in Parasitology</i> , 2021, 37, 1050-1067.	1.5	44
46	Effect of BG-Lures on the Male <i>Aedes</i> (Diptera: Culicidae) Sound Trap Capture Rates. <i>Journal of Medical Entomology</i> , 2021, 58, 2425-2431.	0.9	3
48	wMel Wolbachia genome remains stable after 7 years in Australian <i>Aedes aegypti</i> field populations. <i>Microbial Genomics</i> , 2021, 7, .	1.0	9
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50	Dengue models based on machine learning techniques: A systematic literature review. <i>Artificial Intelligence in Medicine</i> , 2021, 119, 102157.	3.8	31
51	A wAlbB Wolbachia Transinfection Displays Stable Phenotypic Effects across Divergent <i>Aedes aegypti</i> Mosquito Backgrounds. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0126421.	1.4	20
52	Environmental factors influence the local establishment of Wolbachia in <i>Aedes aegypti</i> mosquitoes in two small communities in central Vietnam. <i>Gates Open Research</i> , 0, 5, 147.	2.0	26
53	Improving mosquito control strategies with population genomics. <i>Trends in Parasitology</i> , 2021, 37, 907-921.	1.5	11
54	Host-shift as the cause of emerging infectious diseases: Experimental approaches using <i>Drosophila</i> -virus interactions. <i>Genetics and Molecular Biology</i> , 2021, 44, e20200197.	0.6	5
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59	Releasing incompatible males drives strong suppression across populations of wild and <i>Wolbachia</i> -carrying <i>Aedes aegypti</i> in Australia. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	71
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62	The Wolbachia Symbiont: Here, There and Everywhere. Results and Problems in Cell Differentiation, 2020, 69, 423-451.	0.2	3
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65	Virological and Immunological Outcomes in Rhesus Monkeys after Exposure to Dengue Virus-Infected <i>Aedes aegypti</i> Mosquitoes. American Journal of Tropical Medicine and Hygiene, 2020, 103, 112-119.	0.6	1
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85	Microbial Composition in Larval Water Enhances <i>Aedes aegypti</i> Development but Reduces Transmissibility of Zika Virus. MSphere, 2021, 6, e0068721.	1.3	5
86	<i>Aedes aegypti</i> abundance and insecticide resistance profiles in the Applying Wolbachia to Eliminate Dengue trial. PLoS Neglected Tropical Diseases, 2022, 16, e0010284.	1.3	6
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106	<i>Wolbachia</i> wAlbB remains stable in <i>Aedes aegypti</i> over 15 years but exhibits genetic background-dependent variation in virus blocking. , 2022, 1, .		9
107	Estimating the effect of the wMel release programme on the incidence of dengue and chikungunya in Rio de Janeiro, Brazil: a spatiotemporal modelling study. <i>Lancet Infectious Diseases</i> , The, 2022, 22, 1587-1595.	4.6	24
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118	Positive fitness effects help explain the broad range of <i>Wolbachia</i> prevalences in natural populations. , 0, 2, .		0
119	Assessing the efficacy of male <i>Wolbachia</i> -infected mosquito deployments to reduce dengue incidence in Singapore: study protocol for a cluster-randomized controlled trial. <i>Trials</i> , 2022, 23, .	0.7	7
120	<i>Wolbachia</i> RNase HI contributes to virus blocking in the mosquito <i>Aedes aegypti</i> . <i>IScience</i> , 2023, 26, 105836.	1.9	9
122	Arboviral disease outbreaks, <i>Aedes</i> mosquitoes, and vector control efforts in the Pacific. <i>Frontiers in Tropical Diseases</i> , 0, 4, .	0.5	0
123	Impact of randomised <i>w</i> mel <i>Wolbachia</i> deployments on notified dengue cases and insecticide fogging for dengue control in Yogyakarta City. <i>Global Health Action</i> , 2023, 16, .	0.7	4
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127	Native Wolbachia infection and larval competition stress shape fitness and West Nile virus infection in <i>Culex quinquefasciatus</i> mosquitoes. <i>Frontiers in Microbiology</i> , 0, 14, .	1.5	5
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132	Global Dynamics for Competition between Two Wolbachia Strains with Bidirectional Cytoplasmic Incompatibility. <i>Mathematics</i> , 2023, 11, 1691.	1.1	0
133	Dengue Exposure and Wolbachia wMel Strain Affects the Fertility of Quiescent Eggs of <i>Aedes aegypti</i> . <i>Viruses</i> , 2023, 15, 952.	1.5	1