

Population genomics reveals that an anthropophilic population of mosquitoes in West Africa recently gave rise to America's major disease vector

BMC Biology

15, 16

DOI: [10.1186/s12915-017-0351-0](https://doi.org/10.1186/s12915-017-0351-0)

Citation Report

#	ARTICLE	IF	CITATIONS
1	The Climate Range Expansion of <i>Aedes albopictus</i> (Diptera: Culicidae) in Asia Inferred From the Distribution of <i>Albopictus</i> Subgroup Species of <i>Aedes</i> (<i>Stegomyia</i>). <i>Journal of Medical Entomology</i> , 2017, 54, 1615-1625.	0.9	16
2	Evolution of life in urban environments. <i>Science</i> , 2017, 358, .	6.0	609
3	Emerging arboviruses: Why today?. <i>One Health</i> , 2017, 4, 1-13.	1.5	326
4	Alternative patterns of sex chromosome differentiation in <i>Aedes aegypti</i> (L). <i>BMC Genomics</i> , 2017, 18, 943.	1.2	9
5	Vector competence of populations of <i>Aedes aegypti</i> from three distinct cities in Kenya for chikungunya virus. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005860.	1.3	26
6	Insect Olfaction: Once Swatted, Twice Shy. <i>Current Biology</i> , 2018, 28, R103-R105.	1.8	2
7	Comparative phylogeography of <i>Aedes</i> mosquitoes and the role of past climatic change for evolution within Africa. <i>Ecology and Evolution</i> , 2018, 8, 3019-3036.	0.8	3
8	Genetic variation of <i>Aedes aegypti</i> mosquitoes across Thailand based on nuclear DNA sequences. <i>Agriculture and Natural Resources</i> , 2018, 52, 596-602.	0.4	1
9	CYP-mediated permethrin resistance in <i>Aedes aegypti</i> and evidence for trans-regulation. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006933.	1.3	30
10	Recent History of <i>Aedes aegypti</i> : Vector Genomics and Epidemiology Records. <i>BioScience</i> , 2018, 68, 854-860.	2.2	142
11	Mosquito-Borne Human Viral Diseases: Why <i>Aedes aegypti</i> ?. <i>American Journal of Tropical Medicine and Hygiene</i> , 2018, 98, 1563-1565.	0.6	110
12	Yellow fever in Africa and the Americas: a historical and epidemiological perspective. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2018, 24, 20.	0.8	81
13	Elimination of <i>Falciparum</i> Malaria and Emergence of Severe Dengue: An Independent or Interdependent Phenomenon?. <i>Frontiers in Microbiology</i> , 2018, 9, 1120.	1.5	4
14	Population structure of a vector of human diseases: <i>Aedes aegypti</i> in its ancestral range, Africa. <i>Ecology and Evolution</i> , 2018, 8, 7835-7848.	0.8	57
15	Diverse laboratory colonies of <i>Aedes aegypti</i> harbor the same adult midgut bacterial microbiome. <i>Parasites and Vectors</i> , 2018, 11, 207.	1.0	63
16	The impact of industrial activities on vector-borne disease transmission. <i>Acta Tropica</i> , 2018, 188, 142-151.	0.9	17
17	Using Genomic Data to Infer Historic Population Dynamics of Nonmodel Organisms. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2018, 49, 433-456.	3.8	143
18	<i>Aedes</i> Mosquitoes and <i>Aedes</i> -Borne Arboviruses in Africa: Current and Future Threats. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 220.	1.2	153

#	ARTICLE	IF	CITATIONS
19	Development of the major arboviral vector <i>Aedes aegypti</i> in urban drain-water and associated pyrethroid insecticide resistance is a potential global health challenge. <i>Parasites and Vectors</i> , 2019, 12, 337.	1.0	8
20	Phylogeography and invasion history of <i>Aedes aegypti</i> , the Dengue and Zika mosquito vector in Cape Verde islands (West Africa). <i>Evolutionary Applications</i> , 2019, 12, 1797-1811.	1.5	19
21	Anthropogenic Factors Driving Recent Range Expansion of the Malaria Vector <i>Anopheles stephensi</i> . <i>Frontiers in Public Health</i> , 2019, 7, 53.	1.3	52
22	Insect Population Ecology and Molecular Genetics. , 2019, , 515-561.		3
23	Viral Emerging Pathogen Evolution. , 2020, , 35-51.		2
24	The Global Expansion of Dengue: How <i>Aedes aegypti</i> Mosquitoes Enabled the First Pandemic Arbovirus. <i>Annual Review of Entomology</i> , 2020, 65, 191-208.	5.7	203
25	Population genomics of two invasive mosquitoes (<i>Aedes aegypti</i> and <i>Aedes albopictus</i>) from the Indo-Pacific. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008463.	1.3	30
26	Enhanced Zika virus susceptibility of globally invasive <i>Aedes aegypti</i> populations. <i>Science</i> , 2020, 370, 991-996.	6.0	61
27	Mitochondrial metabolic genes provide phylogeographic relationships of global collections of <i>Aedes aegypti</i> (Diptera: Culicidae). <i>PLoS ONE</i> , 2020, 15, e0235430.	1.1	5
28	Climate and Urbanization Drive Mosquito Preference for Humans. <i>Current Biology</i> , 2020, 30, 3570-3579.e6.	1.8	153
29	Genetic structure of the mosquito <i>Aedes aegypti</i> in local forest and domestic habitats in Gabon and Kenya. <i>Parasites and Vectors</i> , 2020, 13, 417.	1.0	16
30	Mosquito Biology: How a Quest for Water Spawned a Thirst for Blood. <i>Current Biology</i> , 2020, 30, R1046-R1049.	1.8	0
31	Genetic evidence for the origin of <i>Aedes aegypti</i> , the yellow fever mosquito, in the southwestern Indian Ocean. <i>Molecular Ecology</i> , 2020, 29, 3593-3606.	2.0	45
32	A Literature Review of Host Feeding Patterns of Invasive <i>Aedes</i> Mosquitoes in Europe. <i>Insects</i> , 2020, 11, 848.	1.0	49
33	Exome-wide association study reveals largely distinct gene sets underlying specific resistance to dengue virus types 1 and 3 in <i>Aedes aegypti</i> . <i>PLoS Genetics</i> , 2020, 16, e1008794.	1.5	13
34	Linked-read sequencing identifies abundant microinversions and introgression in the arboviral vector <i>Aedes aegypti</i> . <i>BMC Biology</i> , 2020, 18, 26.	1.7	16
35	High Rate of Non-Human Feeding by <i>Aedes aegypti</i> Reduces Zika Virus Transmission in South Texas. <i>Viruses</i> , 2020, 12, 453.	1.5	23
36	Distribution and Genetic Diversity of <i>Aedes aegypti</i> Subspecies across the Sahelian Belt in Sudan. <i>Pathogens</i> , 2021, 10, 78.	1.2	8

#	ARTICLE	IF	CITATIONS
37	Population genomics in the arboviral vector <i>Aedes aegypti</i> reveals the genomic architecture and evolution of endogenous viral elements. <i>Molecular Ecology</i> , 2021, 30, 1594-1611.	2.0	37
38	Two Haplotypes of <i>Aedes aegypti</i> Detected by ND4 Mitochondrial Marker in Three Regions of Ecuador. <i>Insects</i> , 2021, 12, 200.	1.0	2
39	Transcriptomic, proteomic and ultrastructural studies on salinity-tolerant <i>Aedes aegypti</i> in the context of rising sea levels and arboviral disease epidemiology. <i>BMC Genomics</i> , 2021, 22, 253.	1.2	12
40	Molecular bases of P450-mediated resistance to the neonicotinoid insecticide imidacloprid in the mosquito <i>Ae. aegypti</i> . <i>Aquatic Toxicology</i> , 2021, 236, 105860.	1.9	10
41	Multi-Year Mass-Trapping With Autocidal Gravid Ovitrap has Limited Influence on Insecticide Susceptibility in <i>Aedes aegypti</i> (Diptera: Culicidae) From Puerto Rico. <i>Journal of Medical Entomology</i> , 2022, 59, 314-319.	0.9	4
42	Improving mosquito control strategies with population genomics. <i>Trends in Parasitology</i> , 2021, 37, 907-921.	1.5	11
43	Population structure and ancestry prediction of <i>Aedes aegypti</i> (Diptera: Culicidae) supports a single African origin of Colombian populations. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2021, 116, e200441.	0.8	1
44	Laboratory Oviposition Choice of <i>Aedes aegypti</i> (Diptera: Culicidae) From Kenya and Gabon: Effects of Conspecific Larvae, Salinity, Shading, and Microbiome. <i>Journal of Medical Entomology</i> , 2021, 58, 1021-1029.	0.9	4
49	The effects of exposure to pyriproxyfen and predation on Zika virus infection and transmission in <i>Aedes aegypti</i> . <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008846.	1.3	12
50	A Linkage-Based Genome Assembly for the Mosquito <i>Aedes albopictus</i> and Identification of Chromosomal Regions Affecting Diapause. <i>Insects</i> , 2021, 12, 167.	1.0	33
53	Larval sites of the mosquito <i>Aedes aegypti formosus</i> in forest and domestic habitats in Africa and the potential association with oviposition evolution. <i>Ecology and Evolution</i> , 2021, 11, 16327-16343.	0.8	16
54	The Population Genomics of <i>Aedes aegypti</i> : Progress and Prospects. <i>Population Genomics</i> , 2021, , .	0.2	0
55	Review of the ecology and behaviour of <i>Aedes aegypti</i> and <i>Aedes albopictus</i> in Western Africa and implications for vector control. <i>Current Research in Parasitology and Vector-borne Diseases</i> , 2022, 2, 100074.	0.7	22
56	Temporal Evaluation of Insecticide Resistance in Populations of the Major Arboviral Vector <i>Aedes Aegypti</i> from Northern Nigeria. <i>Insects</i> , 2022, 13, 187.	1.0	6
57	Population Genetic Analysis of <i>Aedes aegypti</i> Mosquitoes From Sudan Revealed Recent Independent Colonization Events by the Two Subspecies. <i>Frontiers in Genetics</i> , 2022, 13, 825652.	1.1	8
58	Juvenile hormone-induced histone deacetylase 3 suppresses apoptosis to maintain larval midgut in the yellow fever mosquito. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2118871119.	3.3	10
59	Knockdown resistance (kdr) gene of <i>Aedes aegypti</i> in Malaysia with the discovery of a novel regional specific point mutation A1007G. <i>Parasites and Vectors</i> , 2022, 15, 122.	1.0	6
62	Role of Lectin in the Response of <i>Aedes aegypti</i> Against Bt Toxin. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	2

#	ARTICLE	IF	CITATIONS
63	Genetic Diversity among Four Populations of <i>Aedes aegypti</i> (Diptera: Culicidae) from Honduras as Revealed by Mitochondrial DNA Cytochrome Oxidase I. <i>Pathogens</i> , 2022, 11, 620.	1.2	7
64	Yellow fever surveillance suggests zoonotic and anthroponotic emergent potential. <i>Communications Biology</i> , 2022, 5, .	2.0	6
65	Differential Hatching, Development, Oviposition, and Longevity Patterns among Colombian <i>Aedes aegypti</i> Populations. <i>Insects</i> , 2022, 13, 536.	1.0	2
66	In silico and in vivo study of adulticidal activity from <i>Ayapana triplinervis</i> essential oils nano-emulsion against <i>Aedes aegypti</i> . <i>Arabian Journal of Chemistry</i> , 2022, 15, 104033.	2.3	4
67	Origins of high latitude introductions of <i>Aedes aegypti</i> to Nebraska and Utah during 2019. <i>Infection, Genetics and Evolution</i> , 2022, 103, 105333.	1.0	3
70	Demographic inference provides insights into the extirpation and ecological dominance of eusocial snapping shrimps. <i>Journal of Heredity</i> , 2022, 113, 552-562.	1.0	1
71	Yellow Fever: Roles of Animal Models and Arthropod Vector Studies in Understanding Epidemic Emergence. <i>Microorganisms</i> , 2022, 10, 1578.	1.6	5
72	Recent Technological Advances and Strategies for Arbovirus Vector Control. <i>Tropical Medicine and Infectious Disease</i> , 2022, 7, 204.	0.9	2
73	Close Kin Dyads Indicate Intergenerational Dispersal and Barriers. <i>American Naturalist</i> , 2023, 201, 65-77.	1.0	4
75	Evolution of a Mosquito's Hatching Behavior to Match Its Human-Provided Habitat. <i>American Naturalist</i> , 2023, 201, 200-214.	1.0	5
76	Overview of <i>Aedes aegypti</i> and Use in Laboratory Studies. <i>Cold Spring Harbor Protocols</i> , 0, , .	0.2	1
77	Enhanced mosquito vectorial capacity underlies the Cape Verde Zika epidemic. <i>PLoS Biology</i> , 2022, 20, e3001864.	2.6	7
79	Effect of ABO and Rh blood groups on host preference, oviposition success, and development of laboratory-reared <i>Aedes aegypti</i> . <i>International Journal of Tropical Insect Science</i> , 2023, 43, 51-60.	0.4	1
80	Chapter 9: Odour-mediated host selection and discrimination in mosquitoes. , 2022, , 253-276.		8
82	Global Distribution of <i>Aedes aegypti</i> and <i>Aedes albopictus</i> in a Climate Change Scenario of Regional Rivalry. <i>Insects</i> , 2023, 14, 49.	1.0	30
83	L-lactic and 2-ketoglutaric Acids, Odors from Human Skin, Govern Attraction and Landing in Host-Seeking Female <i>Aedes aegypti</i> Mosquitoes. <i>Journal of Insect Behavior</i> , 0, , .	0.4	0
84	Determinants of Chikungunya and O'nyong-Nyong Virus Specificity for Infection of <i>Aedes</i> and <i>Anopheles</i> Mosquito Vectors. <i>Viruses</i> , 2023, 15, 589.	1.5	3
85	Biology and Behaviour of <i>Aedes aegypti</i> in the Human Environment: Opportunities for Vector Control of Arbovirus Transmission. <i>Viruses</i> , 2023, 15, 636.	1.5	3

#	ARTICLE	IF	CITATIONS
86	Dating the origin and spread of specialization on human hosts in <i>Aedes aegypti</i> mosquitoes. <i>ELife</i> , 0, 12, .	2.8	15
88	Strong Positive Selection in <i>Aedes aegypti</i> and the Rapid Evolution of Insecticide Resistance. <i>Molecular Biology and Evolution</i> , 2023, 40, .	3.5	3
89	Population structure and invasion history of <i>Aedes aegypti</i> (Diptera: Culicidae) in Southeast Asia and Australasia. <i>Evolutionary Applications</i> , 2023, 16, 849-862.	1.5	1
91	Biological, ecological and trophic features of invasive mosquitoes and other hematophagous arthropods: What makes them successful?. <i>Biological Invasions</i> , 0, , .	1.2	0