

Recombination rate variation shapes barriers to introgression

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Unifying Theoretical and Empirical Perspectives on Genomic Differentiation. <i>Trends in Ecology and Evolution</i> , 2019, 34, 987-995.	4.2	11
2	Widespread selection and gene flow shape the genomic landscape during a radiation of monkeyflowers. <i>PLoS Biology</i> , 2019, 17, e3000391.	2.6	111
3	Mating system variation in hybrid zones: facilitation, barriers and asymmetries to gene flow. <i>New Phytologist</i> , 2019, 224, 1035-1047.	3.5	46
4	Dissecting the Effects of Selection and Mutation on Genetic Diversity in Three Wood White (Leptidea) Butterfly Species. <i>Genome Biology and Evolution</i> , 2019, 11, 2875-2886.	1.1	18
5	Evolutionary Models for the Diversification of Placental Mammals Across the KPg Boundary. <i>Frontiers in Genetics</i> , 2019, 10, 1241.	1.1	41
6	Genomic architecture and introgression shape a butterfly radiation. <i>Science</i> , 2019, 366, 594-599.	6.0	365
7	Inference of recombination maps from a single pair of genomes and its application to ancient samples. <i>PLoS Genetics</i> , 2019, 15, e1008449.	1.5	34
8	The role of recombination on genome-wide patterns of local ancestry exemplified by supplemented brook charr populations. <i>Molecular Ecology</i> , 2019, 28, 4755-4769.	2.0	14
9	Can genomics shed light on the origin of species?. <i>PLoS Biology</i> , 2019, 17, e3000394.	2.6	9
10	Per-Nucleus Crossover Covariation and Implications for Evolution. <i>Cell</i> , 2019, 177, 326-338.e16.	13.5	64
11	Genetic dissection of assortative mating behavior. <i>PLoS Biology</i> , 2019, 17, e2005902.	2.6	79
12	Eukaryote hybrid genomes. <i>PLoS Genetics</i> , 2019, 15, e1008404.	1.5	77
13	Multilocus population-genetic theory. <i>Theoretical Population Biology</i> , 2020, 133, 40-48.	0.5	10
14	Massive postglacial gene flow between European white oaks uncovered genes underlying species barriers. <i>New Phytologist</i> , 2020, 226, 1183-1197.	3.5	46
15	Phylogenomics of Auchenorrhyncha (Insecta: Hemiptera) using transcriptomes: examining controversial relationships via degeneracy coding and interrogation of gene conflict. <i>Systematic Entomology</i> , 2020, 45, 85-113.	1.7	45
16	Understanding Admixture: Haplodiploidy to the Rescue. <i>Trends in Ecology and Evolution</i> , 2020, 35, 34-42.	4.2	12
17	Divergent Selection and Primary Gene Flow Shape Incipient Speciation of a Riparian Tree on Hawaii Island. <i>Molecular Biology and Evolution</i> , 2020, 37, 695-710.	3.5	21
18	Replicated anthropogenic hybridisations reveal parallel patterns of admixture in marine mussels. <i>Evolutionary Applications</i> , 2020, 13, 575-599.	1.5	45

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19	Rapid and Predictable Evolution of Admixed Populations Between Two <i>Drosophila</i> Species Pairs. <i>Genetics</i> , 2020, 214, 211-230.	1.2	42
20	Using Haplotype Information for Conservation Genomics. <i>Trends in Ecology and Evolution</i> , 2020, 35, 245-258.	4.2	69
21	It's time to stop sweeping recombination rate under the genome scan rug. <i>Molecular Ecology</i> , 2020, 29, 4249-4253.	2.0	14
22	Natural variation in meiotic recombination rate shapes introgression patterns in intraspecific hybrids between wild and domesticated barley. <i>New Phytologist</i> , 2020, 228, 1852-1863.	3.5	26
23	The Origin and Spread of Locally Adaptive Seasonal Camouflage in Snowshoe Hares. <i>American Naturalist</i> , 2020, 196, 316-332.	1.0	29
24	Genomic Patterns of Introgression in Interspecific Populations Created by Crossing Wheat with Its Wild Relative. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 3651-3661.	0.8	13
25	Contrasting signatures of genomic divergence during sympatric speciation. <i>Nature</i> , 2020, 588, 106-111.	13.7	115
26	Visual mate preference evolution during butterfly speciation is linked to neural processing genes. <i>Nature Communications</i> , 2020, 11, 4763.	5.8	24
27	The importance of intrinsic postzygotic barriers throughout the speciation process. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190533.	1.8	114
28	Genome-wide patterns of divergence and introgression after secondary contact between <i>Pungitius</i> sticklebacks. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190548.	1.8	32
29	Genetic and phenotypic evidence of a contact zone between divergent colour morphs of the iconic red-eyed treefrog. <i>Molecular Ecology</i> , 2020, 29, 4442-4456.	2.0	12
30	Evolution of strong reproductive isolation in plants: broad-scale patterns and lessons from a perennial model group. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190544.	1.8	16
31	Genomic differentiation across the speciation continuum in three hummingbird species pairs. <i>BMC Evolutionary Biology</i> , 2020, 20, 113.	3.2	19
32	From molecules to populations: appreciating and estimating recombination rate variation. <i>Nature Reviews Genetics</i> , 2020, 21, 476-492.	7.7	81
33	Recent hybrids recapitulate ancient hybrid outcomes. <i>Nature Communications</i> , 2020, 11, 2179.	5.8	29
34	Contrasting genomic and phenotypic outcomes of hybridization between pairs of mimetic butterfly taxa across a suture zone. <i>Molecular Ecology</i> , 2020, 29, 1328-1343.	2.0	9
35	Stable species boundaries despite ten million years of hybridization in tropical eels. <i>Nature Communications</i> , 2020, 11, 1433.	5.8	53
36	Divergence of chemosensing during the early stages of speciation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 16438-16447.	3.3	25

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37	Genomic basis of homoploid hybrid speciation within chestnut trees. <i>Nature Communications</i> , 2020, 11, 3375.	5.8	41
38	Selective sweeps on novel and introgressed variation shape mimicry loci in a butterfly adaptive radiation. <i>PLoS Biology</i> , 2020, 18, e3000597.	2.6	60
39	Phylogeographic history of flat periwinkles, <i>Littorina fabalis</i> and <i>L. obtusata</i> . <i>BMC Evolutionary Biology</i> , 2020, 20, 23.	3.2	16
40	Evidence for widespread selection in shaping the genomic landscape during speciation of <i>Populus</i> . <i>Molecular Ecology</i> , 2020, 29, 1120-1136.	2.0	31
41	Emerging Frontiers in the Study of Molecular Evolution. <i>Journal of Molecular Evolution</i> , 2020, 88, 211-226.	0.8	8
42	Snake Recombination Landscapes Are Concentrated in Functional Regions despite PRDM9. <i>Molecular Biology and Evolution</i> , 2020, 37, 1272-1294.	3.5	45
43	Adaptive Introgression across Semipermeable Species Boundaries between Local <i>Helicoverpa zea</i> and Invasive <i>Helicoverpa armigera</i> Moths. <i>Molecular Biology and Evolution</i> , 2020, 37, 2568-2583.	3.5	64
44	Natural Selection Shapes Variation in Genome-wide Recombination Rate in <i>Drosophila pseudoobscura</i> . <i>Current Biology</i> , 2020, 30, 1517-1528.e6.	1.8	49
45	Comparative genomics approach to evolutionary process connectivity. <i>Evolutionary Applications</i> , 2020, 13, 1320-1334.	1.5	33
46	Patterns of genomic divergence and introgression between Japanese stickleback species with overlapping breeding habitats. <i>Journal of Evolutionary Biology</i> , 2021, 34, 114-127.	0.8	15
47	Chromosome-Scale Genome Assemblies of Aphids Reveal Extensively Rearranged Autosomes and Long-Term Conservation of the X Chromosome. <i>Molecular Biology and Evolution</i> , 2021, 38, 856-875.	3.5	54
48	How do species barriers decay? Concordance and local introgression in mosaic hybrid zones of mussels. <i>Journal of Evolutionary Biology</i> , 2021, 34, 208-223.	0.8	27
49	Genomic divergence landscape in recurrently hybridizing <i>Chironomus</i> sister taxa suggests stable steady state between mutual gene flow and isolation. <i>Evolution Letters</i> , 2021, 5, 86-100.	1.6	5
50	Phylogenomics of the North American Plecoptera. <i>Systematic Entomology</i> , 2021, 46, 287-305.	1.7	19
51	Phylogenomics and the Genetic Architecture of the Placental Mammal Radiation. <i>Annual Review of Animal Biosciences</i> , 2021, 9, 29-53.	3.6	32
52	Newly discovered cichlid fish biodiversity threatened by hybridization with non-native species. <i>Molecular Ecology</i> , 2021, 30, 895-911.	2.0	24
53	Signatures of Introgression across the Allele Frequency Spectrum. <i>Molecular Biology and Evolution</i> , 2021, 38, 716-726.	3.5	19
54	Hybridization: a "double-edged sword" for Neotropical plant diversity. <i>Botanical Journal of the Linnean Society</i> , 2022, 199, 331-356.	0.8	26

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55	Reproductive Patterns Drive the Gene Flow and Spatial Dispersal of <i>Euschistus heros</i> (Hemiptera: Pentatomidae). <i>Journal of Economic Entomology</i> , 2021, 114, 2346-2354.	0.8	7
56	<i>Paracoccidioides brasiliensis</i> Isolated from Nine-Banded Armadillos (<i>Dasyus novemcinctus</i>) Reveal Population Structure and Admixture in the Amazon Basin. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 54.	1.5	3
58	Asymmetric introgression reveals the genetic architecture of a plumage trait. <i>Nature Communications</i> , 2021, 12, 1019.	5.8	35
60	DILS: Demographic inferences with linked selection by using ABC. <i>Molecular Ecology Resources</i> , 2021, 21, 2629-2644.	2.2	32
61	Neural divergence and hybrid disruption between ecologically isolated <i>Heliconius</i> butterflies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	24
62	Adaptive introgression: how polyploidy reshapes gene flow landscapes. <i>New Phytologist</i> , 2021, 230, 457-461.	3.5	31
63	The Effects of GC-Biased Gene Conversion on Patterns of Genetic Diversity among and across Butterfly Genomes. <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	11
64	Most Genomic Loci Misrepresent the Phylogeny of an Avian Radiation Because of Ancient Gene Flow. <i>Systematic Biology</i> , 2021, 70, 961-975.	2.7	45
65	Chromosome-scale inference of hybrid speciation and admixture with convolutional neural networks. <i>Molecular Ecology Resources</i> , 2021, 21, 2676-2688.	2.2	13
67	Genetic Barriers to Historical Gene Flow between Cryptic Species of Alpine Bumblebees Revealed by Comparative Population Genomics. <i>Molecular Biology and Evolution</i> , 2021, 38, 3126-3143.	3.5	25
68	Associative Overdominance and Negative Epistasis Shape Genome-Wide Ancestry Landscape in Supplemented Fish Populations. <i>Genes</i> , 2021, 12, 524.	1.0	2
70	Complex reticulate evolution of speckled brush-furred rats (<i>Lophuromys</i>) in the Ethiopian centre of endemism. <i>Molecular Ecology</i> , 2021, 30, 2349-2365.	2.0	21
71	Synteny-Based Genome Assembly for 16 Species of <i>Heliconius</i> Butterflies, and an Assessment of Structural Variation across the Genus. <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	15
72	Homage to Felsenstein 1981, or why are there so few/many species?. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 978-988.	1.1	13
73	Positive selection plays a major role in shaping signatures of differentiation across the genomic landscape of two independent <i>Ficedula</i> flycatcher species pairs*. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 2179-2196.	1.1	18
74	Molecular Evolution of Ecological Specialisation: Genomic Insights from the Diversification of Murine Rodents. <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	11
76	Wheat speciation and adaptation: perspectives from reticulate evolution. <i>ABIOTECH</i> , 2021, 2, 386-402.	1.8	15
77	The Genomic Signature of Allopatric Speciation in a Songbird Is Shaped by Genome Architecture (Aves: Tj ETQq1 1,0,784314 rgBT /Ove	1.1	10

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78	Human-modified canids in human-modified landscapes: The evolutionary consequences of hybridization for grey wolves and free-ranging domestic dogs. <i>Evolutionary Applications</i> , 2021, 14, 2433-2456.	1.5	15
79	The Pleistocene species pump past its prime: Evidence from European butterfly sister species. <i>Molecular Ecology</i> , 2021, 30, 3575-3589.	2.0	35
80	Selection and isolation define a heterogeneous divergence landscape between hybridizing <i>Heliconius</i> butterflies. <i>Evolution; International Journal of Organic Evolution</i> , 2021, 75, 2251-2268.	1.1	18
81	The <i>Dryas iulia</i> Genome Supports Multiple Gains of a W Chromosome from a B Chromosome in Butterflies. <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	24
82	Chromosome Fusion Affects Genetic Diversity and Evolutionary Turnover of Functional Loci but Consistently Depends on Chromosome Size. <i>Molecular Biology and Evolution</i> , 2021, 38, 4449-4462.	3.5	51
83	Cortex cis-regulatory switches establish scale colour identity and pattern diversity in <i>Heliconius</i> . <i>ELife</i> , 2021, 10, .	2.8	40
87	Mitochondrial conflict in a macaque species exhibiting phylogenomic discordance. <i>Journal of Evolutionary Biology</i> , 2021, 34, 1568-1579.	0.8	8
88	Ancient divergence of Indian and Tibetan wolves revealed by recombination-aware phylogenomics. <i>Molecular Ecology</i> , 2021, 30, 6687-6700.	2.0	26
89	Evolutionary impacts of introgressive hybridization in a rapidly evolving group of jumping spiders (F. Tj ETQq0 0 0 rBT /Overlock 10 Tf	1.2	2
90	<i>Heliconius</i> butterflies: a window into the evolution and development of diversity. <i>Current Opinion in Genetics and Development</i> , 2021, 69, 72-81.	1.5	8
91	The genomic consequences of hybridization. <i>ELife</i> , 2021, 10, .	2.8	128
94	Genomic introgression from a distant congener in the Levant fritillary butterfly, <i>Melitaea acentria</i> . <i>Molecular Ecology</i> , 2021, 30, 4819-4832.	2.0	7
95	Variable Signatures of Selection Despite Conserved Recombination Landscapes Early in Speciation. <i>Journal of Heredity</i> , 2021, 112, 485-496.	1.0	3
96	Persistence and expansion of cryptic endangered red wolf genomic ancestry along the American Gulf coast. <i>Molecular Ecology</i> , 2022, 31, 5440-5454.	2.0	7
97	Prevalence and Adaptive Impact of Introgression. <i>Annual Review of Genetics</i> , 2021, 55, 265-283.	3.2	99
99	Radiation with reticulation marks the origin of a major malaria vector. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31583-31590.	3.3	29
113	<i>Paracoccidioides</i> Genomes Reflect High Levels of Species Divergence and Little Interspecific Gene Flow. <i>MBio</i> , 2020, 11, .	1.8	17
115	Selective sorting of ancestral introgression in maize and teosinte along an elevational cline. <i>PLoS Genetics</i> , 2021, 17, e1009810.	1.5	50

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130	The effects of introgression across thousands of quantitative traits revealed by gene expression in wild tomatoes. <i>PLoS Genetics</i> , 2021, 17, e1009892.	1.5	9
134	Widespread introgression across a phylogeny of 155 <i>Drosophila</i> genomes. <i>Current Biology</i> , 2022, 32, 111-123.e5.	1.8	132
135	Hidden Phylogenomic Signal Helps Elucidate Arsenurine Silkworm Phylogeny and the Evolution of Body Size and Wing Shape Trade-Offs. <i>Systematic Biology</i> , 2022, 71, 859-874.	2.7	5
140	A large deletion at the cortex locus eliminates butterfly wing patterning. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	0.8	6
141	Predictability and parallelism in the contemporary evolution of hybrid genomes. <i>PLoS Genetics</i> , 2022, 18, e1009914.	1.5	11
143	Demographic History and Natural Selection Shape Patterns of Deleterious Mutation Load and Barriers to Introgression across <i>Populus</i> Genome. <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	29
144	Predictors of genomic differentiation within a hybrid taxon. <i>PLoS Genetics</i> , 2022, 18, e1010027.	1.5	5
145	Cryptic Prophages Contribution for <i>Campylobacter jejuni</i> and <i>Campylobacter coli</i> Introgression. <i>Microorganisms</i> , 2022, 10, 516.	1.6	6
146	Parental Population Range Expansion before Secondary Contact Promotes Heterosis. <i>American Naturalist</i> , 2022, 200, E1-E15.	1.0	12
147	Response to Hill and Powers: It is irrelevant that the mode and tempo of <i>Cassia</i> crossbill speciation is not typical for birds. <i>Journal of Avian Biology</i> , 2022, 2022, .	0.6	0
148	Species Persistence with Hybridization in Toad-Headed Lizards Driven by Divergent Selection and Low Recombination. <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	3
149	Imbalanced segregation of recombinant haplotypes in hybrid populations reveals inter- and intrachromosomal Dobzhansky-Muller incompatibilities. <i>PLoS Genetics</i> , 2022, 18, e1010120.	1.5	2
150	Hybridization Dynamics and Extensive Introgression in the <i>Daphnia longispina</i> Species Complex: New Insights from a High-Quality <i>Daphnia galeata</i> Reference Genome. <i>Genome Biology and Evolution</i> , 2021, 13, .	1.1	11
152	Genome assembly, structural variants, and genetic differentiation between lake whitefish young species pairs (<i>Coregonus</i> sp.) with long and short reads. <i>Molecular Ecology</i> , 2023, 32, 1458-1477.	2.0	18
154	Population genomic evidence of selection on structural variants in a natural hybrid zone. <i>Molecular Ecology</i> , 2023, 32, 1497-1514.	2.0	9
155	Genome-wide analyses of introgression between two sympatric Asian oak species. <i>Nature Ecology and Evolution</i> , 2022, 6, 924-935.	3.4	32
156	Evolution of genes involved in the unusual genitals of the bear macaque, <i>Macaca arctoides</i> . <i>Ecology and Evolution</i> , 2022, 12, .	0.8	2
157	Interactions Between Natural Selection and Recombination Shape the Genomic Landscape of Introgression. <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	8

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158	Whole-genome phylogeography of the blue-faced honeyeater (<i>Entomyzon cyanotis</i>) and discovery and characterization of a neo-Z chromosome. <i>Molecular Ecology</i> , 2023, 32, 1248-1270.	2.0	4
159	Variation in the genomic basis of parallel phenotypic and ecological divergence in benthic and pelagic morphs of Icelandic Arctic charr (<i>Salvelinus alpinus</i>). <i>Molecular Ecology</i> , 2022, 31, 4688-4706.	2.0	3
161	Radiation and hybridization underpin the spread of the fire ant social supergene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	10
162	Repeated genetic adaptation to altitude in two tropical butterflies. <i>Nature Communications</i> , 2022, 13, .	5.8	17
165	Selection against admixture and gene regulatory divergence in a long-term primate field study. <i>Science</i> , 2022, 377, 635-641.	6.0	28
166	A butterfly pan-genome reveals that a large amount of structural variation underlies the evolution of chromatin accessibility. <i>Genome Research</i> , 2022, 32, 1862-1875.	2.4	10
167	Linkage mapping and genome annotation give novel insights into gene family expansions and regional recombination rate variation in the painted lady (<i>Vanessa cardui</i>) butterfly. <i>Genomics</i> , 2022, 114, 110481.	1.3	18
168	What is reproductive isolation?. <i>Journal of Evolutionary Biology</i> , 2022, 35, 1143-1164.	0.8	36
171	Linked selection, differential introgression and recombination rate variation promote heterogeneous divergence in a pair of yellow croakers. <i>Molecular Ecology</i> , 2022, 31, 5729-5744.	2.0	8
172	Widespread Gene Expression Divergence in Butterfly Sensory Tissues Plays a Fundamental Role During Reproductive Isolation and Speciation. <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	2
174	Inference of Gene Flow between Species under Misspecified Models. <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	10
177	Rapid and predictable genome evolution across three hybrid ant populations. <i>PLoS Biology</i> , 2022, 20, e3001914.	2.6	4
180	Predicting recombination frequency from map distance. <i>Heredity</i> , 0, , .	1.2	7
182	Re-evaluating Homoploid Reticulate Evolution in <i>Helianthus</i> Sunflowers. <i>Molecular Biology and Evolution</i> , 2023, 40, .	3.5	9
184	Recombination and selection against introgressed DNA. <i>Evolution; International Journal of Organic Evolution</i> , 2023, 77, 1131-1144.	1.1	16
186	Chromosome Fissions and Fusions Act as Barriers to Gene Flow between <i>Brenthis</i> Fritillary Butterflies. <i>Molecular Biology and Evolution</i> , 2023, 40, .	3.5	17
187	Recombination Variation Shapes Phylogeny and Introgression in Wild Diploid Strawberries. <i>Molecular Biology and Evolution</i> , 2023, 40, .	3.5	6
223	Admixture. , 2024, , 484-502.		0

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227	Translating genomic advances into biodiversity conservation. Nature Reviews Genetics, 0, , .	7.7	0