

A genomics approach reveals insights into the important adaptations

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Loss of Enzymes in the Bile Acid Synthesis Pathway Explains Differences in Bile Composition among Mammals. <i>Genome Biology and Evolution</i> , 2018, 10, 3211-3217.	1.1	23
2	Ancient Evolutionary Origin and Positive Selection of the Retroviral Restriction Factor <i>Fv1</i> in Muroid Rodents. <i>Journal of Virology</i> , 2018, 92, .	1.5	23
3	Loss of RXFP2 and INSL3 genes in Afrotheria shows that testicular descent is the ancestral condition in placental mammals. <i>PLoS Biology</i> , 2018, 16, e2005293.	2.6	69
4	Cetacea are natural knockouts for IL20. <i>Immunogenetics</i> , 2018, 70, 681-687.	1.2	19
5	High-quality genomes reveal new differences between the great apes. <i>Nature</i> , 2018, 559, 336-338.	13.7	0
6	Ancient convergent losses of <i>Paraoxonase 1</i> yield potential risks for modern marine mammals. <i>Science</i> , 2018, 361, 591-594.	6.0	79
7	Signatures of Relaxed Selection in the CYP8B1 Gene of Birds and Mammals. <i>Journal of Molecular Evolution</i> , 2019, 87, 209-220.	0.8	13
8	Lizards possess the most complete tetrapod Hox gene repertoire despite pervasive structural changes in Hox clusters. <i>Evolution & Development</i> , 2019, 21, 218-228.	1.1	2
9	Convergent vomeronasal system reduction in mammals coincides with convergent losses of calcium signalling and odorant-degrading genes. <i>Molecular Ecology</i> , 2019, 28, 3656-3668.	2.0	18
10	Evolutionary Analysis of Bile Acid-Conjugating Enzymes Reveals a Complex Duplication and Reciprocal Loss History. <i>Genome Biology and Evolution</i> , 2019, 11, 3256-3268.	1.1	11
11	Integrative analysis of transcriptomic data related to the liver of laying hens: from physiological basics to newly identified functions. <i>BMC Genomics</i> , 2019, 20, 821.	1.2	15
12	Genes lost during the transition from land to water in cetaceans highlight genomic changes associated with aquatic adaptations. <i>Science Advances</i> , 2019, 5, eaaw6671.	4.7	100
13	Network-based microsynteny analysis identifies major differences and genomic outliers in mammalian and angiosperm genomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2165-2174.	3.3	89
14	Odontogenic ameloblast-associated (ODAM) is inactivated in toothless/enamelless placental mammals and toothed whales. <i>BMC Evolutionary Biology</i> , 2019, 19, 31.	3.2	22
15	Convergent gene losses illuminate metabolic and physiological changes in herbivores and carnivores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3036-3041.	3.3	78
16	Emerging genomic applications in mammalian ecology, evolution, and conservation. <i>Journal of Mammalogy</i> , 2019, 100, 786-801.	0.6	12
17	Reducing MSH4 copy number prevents meiotic crossovers between non-homologous chromosomes in <i>Brassica napus</i> . <i>Nature Communications</i> , 2019, 10, 2354.	5.8	58
18	Contraction of the ROS Scavenging Enzyme Glutathione <i>S</i> -Transferase Gene Family in Cetaceans. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 2303-2315.	0.8	13

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19	Convergent inactivation of the skin-specific C-C motif chemokine ligand 27 in mammalian evolution. <i>Immunogenetics</i> , 2019, 71, 363-372.	1.2	9
20	Coding Exon-Structure Aware Realigner (CESAR): Utilizing Genome Alignments for Comparative Gene Annotation. <i>Methods in Molecular Biology</i> , 2019, 1962, 179-191.	0.4	1
21	Complete Inactivation of Sebum-Producing Genes Parallels the Loss of Sebaceous Glands in Cetacea. <i>Molecular Biology and Evolution</i> , 2019, 36, 1270-1280.	3.5	30
22	Evolution of CCL16 in Glires (Rodentia and Lagomorpha) shows an unusual random pseudogenization pattern. <i>BMC Evolutionary Biology</i> , 2019, 19, 59.	3.2	4
23	Gene copy number variations as signatures of adaptive evolution in the parthenogenetic, plant-parasitic nematode <i>Meloidogyne incognita</i> . <i>Molecular Ecology</i> , 2019, 28, 2559-2572.	2.0	39
24	Convergent regulatory evolution and loss of flight in paleognathous birds. <i>Science</i> , 2019, 364, 74-78.	6.0	189
25	The Singularity of Cetacea Behavior Parallels the Complete Inactivation of Melatonin Gene Modules. <i>Genes</i> , 2019, 10, 121.	1.0	34
26	Parallel selection on ecologically relevant gene functions in the transcriptomes of highly diversifying salmonids. <i>BMC Genomics</i> , 2019, 20, 1010.	1.2	8
27	Expansin gene loss is a common occurrence during adaptation to an aquatic environment. <i>Plant Journal</i> , 2020, 101, 666-680.	2.8	12
28	Losses of human disease-associated genes in placental mammals. <i>NAR Genomics and Bioinformatics</i> , 2020, 2, 1qz012.	1.5	16
29	Protein-Coding Genes in Euarchontoglires with Pseudogene Homologs in Humans. <i>Life</i> , 2020, 10, 192.	1.1	1
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35	Unraveling the Molecular Evolution of Blood Coagulation Genes in Fishes and Cetaceans. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	2
36	Noncoding regions underpin avian bill shape diversification at macroevolutionary scales. <i>Genome Research</i> , 2020, 30, 553-565.	2.4	24

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37	Diversifying selection detected in only a minority of xenobiotic-metabolizing <i>CYP1-3</i> genes among primate species. <i>Xenobiotica</i> , 2020, 50, 1406-1412.	0.5	1
38	Analysis of structural variants in four African cichlids highlights an association with developmental and immune related genes. <i>BMC Evolutionary Biology</i> , 2020, 20, 69.	3.2	6
39	Genetic evidence of widespread variation in ethanol metabolism among mammals: revisiting the 'myth' of natural intoxication. <i>Biology Letters</i> , 2020, 16, 20200070.	1.0	21
40	PseudoChecker: an integrated online platform for gene inactivation inference. <i>Nucleic Acids Research</i> , 2020, 48, W321-W331.	6.5	14
41	Convergent Losses of TLR5 Suggest Altered Extracellular Flagellin Detection in Four Mammalian Lineages. <i>Molecular Biology and Evolution</i> , 2020, 37, 1847-1854.	3.5	35
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46	Novel de Novo Genome of <i>Cynopterus brachyotis</i> Reveals Evolutionarily Abrupt Shifts in Gene Family Composition across Fruit Bats. <i>Genome Biology and Evolution</i> , 2020, 12, 259-272.	1.1	12
47	A genome alignment of 120 mammals highlights ultraconserved element variability and placenta-associated enhancers. <i>GigaScience</i> , 2020, 9, .	3.3	29
48	Foraging shifts and visual preadaptation in ecologically diverse bats. <i>Molecular Ecology</i> , 2020, 29, 1839-1859.	2.0	19
49	Recapitulating Evolutionary Divergence in a Single <i>Cis</i> -Regulatory Element Is Sufficient to Cause Expression Changes of the Lens Gene <i>Tdrd7</i> . <i>Molecular Biology and Evolution</i> , 2021, 38, 380-392.	3.5	4
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52	Population genomics reveal rapid genetic differentiation in a recently invasive population of <i>Rattus norvegicus</i> . <i>Frontiers in Zoology</i> , 2021, 18, 6.	0.9	8
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59	Dietary Diversification and Specialization in Neotropical Bats Facilitated by Early Molecular Evolution. <i>Molecular Biology and Evolution</i> , 2021, 38, 3864-3883.	3.5	24
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61	Interrogating Phylogenetic Discordance Resolves Deep Splits in the Rapid Radiation of Old World Fruit Bats (Chiroptera: Pteropodidae). <i>Systematic Biology</i> , 2021, 70, 1077-1089.	2.7	6
62	Study of non-metric characters of the skull to determine the epigenetic variability in populations of the European wildcat (<i>Felis silvestris silvestris</i>) and domestic cats (<i>Felis catus</i>). <i>Mammalian Biology</i> , 2021, 101, 407-417.	0.8	0
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67	Genomics of Adaptations in Ungulates. <i>Animals</i> , 2021, 11, 1617.	1.0	3
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75	Adipokines in metabolic and reproductive functions in birds: An overview of current knowns and unknowns. <i>Molecular and Cellular Endocrinology</i> , 2021, 534, 111370.	1.6	14
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110	Convergent and lineage-specific genomic differences in limb regulatory elements in limbless reptile lineages. <i>Cell Reports</i> , 2022, 38, 110280.	2.9	18
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144	Molecular evolution and signatures of selective pressures on Bos, focusing on the Nelore breed (<i>Bos</i>) Tj ETQq1 1 0.784314 rgBT /Ove	1.1	0
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146	The draft genome of the Tibetan partridge (<i>Perdix hodgsoniae</i>) provides insights into its phylogenetic position and high-altitude adaptation. Journal of Heredity, 0, , .	1.0	2
147	Molecular mechanisms of adaptive evolution in wild animals and plants. Science China Life Sciences, 2023, 66, 453-495.	2.3	22
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