

Genetic Convergence in the Adaptation of Dogs and Humans to the High-Altitude Environment of the Tibetan Plateau

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Sightings <i>edited by Erik Swenson and Peter BÄrtsch</i>. High Altitude Medicine and Biology, 2014, 15, 430-433.	0.9	0
2	Advances and limits of using population genetics to understand local adaptation. Trends in Ecology and Evolution, 2014, 29, 673-680.	8.7	329
3	Genetic adaptations of the plateau zokor in high-elevation burrows. Scientific Reports, 2015, 5, 17262.	3.3	48
4	Archaic inheritance: supporting high-altitude life in Tibet. Journal of Applied Physiology, 2015, 119, 1129-1134.	2.5	31
5	DoGSD: the dog and wolf genome SNP database. Nucleic Acids Research, 2015, 43, D777-D783.	14.5	76
6	A Positive Correlation between Elevated Altitude and Frequency of Mutant Alleles at the EPAS1 and HBB Loci in Chinese Indigenous Dogs. Journal of Genetics and Genomics, 2015, 42, 173-177.	3.9	9
7	Comparative transcriptomic analysis revealed adaptation mechanism of Phrynocephalus erythrurus, the highest altitude Lizard living in the Qinghai-Tibet Plateau. BMC Evolutionary Biology, 2015, 15, 101.	3.2	50
8	Evidence for Adaptation to the Tibetan Plateau Inferred from Tibetan Loach Transcriptomes. Genome Biology and Evolution, 2015, 7, 2970-2982.	2.5	70
9	Altitude Adaptation: A Glimpse Through Various Lenses. High Altitude Medicine and Biology, 2015, 16, 125-137.	0.9	121
10	Genome-wide analysis reveals signatures of selection for important traits in domestic sheep from different ecoregions. BMC Genomics, 2016, 17, 863.	2.8	67
11	Genomic analysis of snub-nosed monkeys (Rhinopithecus) identifies genes and processes related to high-altitude adaptation. Nature Genetics, 2016, 48, 947-952.	21.4	109
12	Genomewide scan for adaptive differentiation along altitudinal gradient in the Andrew's toad <i>Bufo andrewsi</i>. Molecular Ecology, 2016, 25, 3884-3900.	3.9	38
13	Time Domains of the Hypoxic Ventilatory Response and Their Molecular Basis. , 2016, 6, 1345-1385.		97
14	Whole-genome resequencing of Xishuangbanna fighting chicken to identify signatures of selection. Genetics Selection Evolution, 2016, 48, 62.	3.0	36
15	Genomic analysis identified a potential novel molecular mechanism for high-altitude adaptation in sheep at the Himalayas. Scientific Reports, 2016, 6, 29963.	3.3	36
16	Genomic Analysis Reveals Hypoxia Adaptation in the Tibetan Mastiff by Introgression of the Grey Wolf from the Tibetan Plateau. Molecular Biology and Evolution, 2017, 34, msw274.	8.9	75
17	Genetic signals of high-altitude adaptation in amphibians: a comparative transcriptome analysis. BMC Genetics, 2016, 17, 134.	2.7	21
18	Identifying molecular signatures of hypoxia adaptation from sex chromosomes: A case for Tibetan Mastiff based on analyses of X chromosome. Scientific Reports, 2016, 6, 35004.	3.3	12

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19	Positive Darwinian selection within interferon regulatory factor genes of <i>Gymnocypris przewalskii</i> (Cyprinidae) on the Tibetan Plateau. <i>Fish and Shellfish Immunology</i> , 2016, 50, 34-42.	3.6	8
20	Exome sequencing reveals genetic differentiation due to high-altitude adaptation in the Tibetan cashmere goat (<i>Capra hircus</i>). <i>BMC Genomics</i> , 2016, 17, 122.	2.8	87
21	Population transcriptomes reveal synergistic responses of <scp>DNA</scp> polymorphism and <scp>RNA</scp> expression to extreme environments on the Qinghaiâ€“Tibetan Plateau in a predatory bird. <i>Molecular Ecology</i> , 2017, 26, 2993-3010.	3.9	39
22	Comprehensive transcriptomic analysis of Tibetan Schizothoracinae fish <i>Gymnocypris przewalskii</i> reveals how it adapts to a high altitude aquatic life. <i>BMC Evolutionary Biology</i> , 2017, 17, 74.	3.2	47
23	Genetic signatures of high-altitude adaptation in Tibetans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4189-4194.	7.1	181
24	High-altitude adaptation in humans: from genomics to integrative physiology. <i>Journal of Molecular Medicine</i> , 2017, 95, 1269-1282.	3.9	76
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26	Dissecting evolution and disease using comparative vertebrate genomics. <i>Nature Reviews Genetics</i> , 2017, 18, 624-636.	16.3	46
27	The companion dog as a unique translational model for aging. <i>Seminars in Cell and Developmental Biology</i> , 2017, 70, 141-153.	5.0	42
28	Comparative transcriptomic analysis of Tibetan <i>Gynaephora</i> to explore the genetic basis of insect adaptation to divergent altitude environments. <i>Scientific Reports</i> , 2017, 7, 16972.	3.3	15
29	Genomic signature of highland adaptation in fish: a case study in Tibetan Schizothoracinae species. <i>BMC Genomics</i> , 2017, 18, 948.	2.8	26
30	Hypoxia Inducible Factor (HIF) transcription factor family expansion, diversification, divergence and selection in eukaryotes. <i>PLoS ONE</i> , 2017, 12, e0179545.	2.5	75
31	Evidence of high-altitude adaptation in the glyptosternoid fish, <i>Creteuchiloglanis macropterus</i> from the Nujiang River obtained through transcriptome analysis. <i>BMC Evolutionary Biology</i> , 2017, 17, 229.	3.2	33
32	Migration-Selection Balance Drives Genetic Differentiation in Genes Associated with High-Altitude Function in the Speckled Teal (<i>Anas flavirostris</i>) in the Andes. <i>Genome Biology and Evolution</i> , 2018, 10, 14-32.	2.5	18
34	Whole-Genome Sequencing of African Dogs Provides Insights into Adaptations against Tropical Parasites. <i>Molecular Biology and Evolution</i> , 2018, 35, 287-298.	8.9	41
36	Sequence Characterization of DSG3 Gene to Know Its Role in High-Altitude Hypoxia Adaptation in the Chinese Cashmere Goat. <i>Frontiers in Genetics</i> , 2018, 9, 553.	2.3	10
37	Whole-genome sequencing reveals selection signatures associated with important traits in six goat breeds. <i>Scientific Reports</i> , 2018, 8, 10405.	3.3	93
38	Structural variation during dog domestication: insights from gray wolf and dhole genomes. <i>National Science Review</i> , 2019, 6, 110-122.	9.5	30

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39	EPAS1 Gain-of-Function Mutation Contributes to High-Altitude Adaptation in Tibetan Horses. <i>Molecular Biology and Evolution</i> , 2019, 36, 2591-2603.	8.9	80
40	Parallel Molecular Evolution in Pathways, Genes, and Sites in High-Elevation Hummingbirds Revealed by Comparative Transcriptomics. <i>Genome Biology and Evolution</i> , 2019, 11, 1573-1585.	2.5	49
41	Comparative analysis of peripheral blood reveals transcriptomic adaptations to extreme environments on the Qinghai-Tibetan Plateau in the gray wolf (<i>Canis lupus chanco</i>). <i>Organisms Diversity and Evolution</i> , 2019, 19, 543-556.	1.6	5
42	Divergent Fine-Scale Recombination Landscapes between a Freshwater and Marine Population of Threespine Stickleback Fish. <i>Genome Biology and Evolution</i> , 2019, 11, 1552-1572.	2.5	44
43	Dog10K: an international sequencing effort to advance studies of canine domestication, phenotypes and health. <i>National Science Review</i> , 2019, 6, 810-824.	9.5	65
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46	Comparative genome analyses reveal the unique genetic composition and selection signals underlying the phenotypic characteristics of three Chinese domestic goat breeds. <i>Genetics Selection Evolution</i> , 2019, 51, 70.	3.0	26
47	Genetic Diversity and Signatures of Selection in 15 Chinese Indigenous Dog Breeds Revealed by Genome-Wide SNPs. <i>Frontiers in Genetics</i> , 2019, 10, 1174.	2.3	12
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49	Whole-Genome Sequencing of Three Native Cattle Breeds Originating From the Northernmost Cattle Farming Regions. <i>Frontiers in Genetics</i> , 2018, 9, 728.	2.3	57
50	Convergent evolution on the hypoxia-inducible factor (HIF) pathway genes EGLN1 and EPAS1 in high-altitude ducks. <i>Heredity</i> , 2019, 122, 819-832.	2.6	52
51	Convergent genomic signatures of high-altitude adaptation among domestic mammals. <i>National Science Review</i> , 2020, 7, 952-963.	9.5	52
52	Accelerated evolution and positive selection of rhodopsin in Tibetan loaches living in high altitude. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 2598-2606.	7.5	3
53	Molecular characterization of the ACSS2 gene involved in adaptation to hypoxia in high-altitude cattle breeds. <i>Animal Biology</i> , 2020, 71, 49-66.	1.0	1
54	Cross-Species Insights Into Genomic Adaptations to Hypoxia. <i>Frontiers in Genetics</i> , 2020, 11, 743.	2.3	48
55	Comparative microRNA Transcriptomes in Domestic Goats Reveal Acclimatization to High Altitude. <i>Frontiers in Genetics</i> , 2020, 11, 809.	2.3	12
56	Goat Genomic Resources: The Search for Genes Associated with Its Economic Traits. <i>International Journal of Genomics</i> , 2020, 2020, 1-13.	1.6	20

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58	Selection signatures for high-altitude adaptation in ruminants. <i>Animal Genetics</i> , 2020, 51, 157-165.	1.7	34
59	The Genomics and Genetics of Oxygen Homeostasis. <i>Annual Review of Genomics and Human Genetics</i> , 2020, 21, 183-204.	6.2	71
60	Genomes reveal selective sweeps in kiang and donkey for high-altitude adaptation. <i>Zoological Research</i> , 2021, 42, 450-460.	2.1	9
61	Population Genomics of High-Altitude Adaptation. <i>Evolutionary Studies</i> , 2021, , 67-100.	0.1	0
62	<i>FGF5</i> and <i>EPAS1</i> gene polymorphisms are associated with high-altitude adaptation in Nepalese goat breeds. <i>Animal Science Journal</i> , 2021, 92, e13640.	1.4	4
63	Genome and population evolution and environmental adaptation of <i>Glyptosternon maculatum</i> on the Qinghai-Tibet Plateau. <i>Zoological Research</i> , 2021, 42, 502-513.	2.1	7
64	Genome-wide comparative analyses reveal selection signatures underlying adaptation and production in Tibetan and Poll Dorset sheep. <i>Scientific Reports</i> , 2021, 11, 2466.	3.3	15
65	Pervasive Genomic Signatures of Local Adaptation to Altitude Across Highland Specialist Andean Hummingbird Populations. <i>Journal of Heredity</i> , 2021, 112, 229-240.	2.4	10
66	Adaptive introgression of the beta-globin cluster in two Andean waterfowl. <i>Heredity</i> , 2021, 127, 107-123.	2.6	2
67	Using seasonal genomic changes to understand historical adaptation to new environments: Parallel selection on stickleback in highly-variable estuaries. <i>Molecular Ecology</i> , 2021, 30, 2054-2064.	3.9	20
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72	Hb adaptation to hypoxia in high-altitude fishes: Fresh evidence from schizothoracinae fishes in the Qinghai-Tibetan Plateau. <i>International Journal of Biological Macromolecules</i> , 2021, 185, 471-484.	7.5	8
73	Recent progress in research on the gut microbiota and highland adaptation on the Qinghai-Tibet Plateau. <i>Journal of Evolutionary Biology</i> , 2021, 34, 1514-1530.	1.7	20
74	<i>Aconiti lateralis Radix Praeparata</i> inhibits Alzheimer's disease by regulating the complex regulation network with the core of <i>GRIN1</i> and <i>MAPK1</i> . <i>Pharmaceutical Biology</i> , 2021, 59, 309-318.	2.9	6

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86	Comparing wolves and dogs: current status and implications for human "self-domestication"™. <i>Trends in Cognitive Sciences</i> , 2022, 26, 337-349.	7.8	37
87	Comparative genomic analysis of high-altitude adaptation for Mongolia Mastiff, Tibetan Mastiff, and Canis Lupus. <i>Genomics</i> , 2022, , 110359.	2.9	0
128	A highland-adaptation mutation of the <i>Epas1</i> protein increases its stability and disrupts the circadian clock in the plateau pika. <i>Cell Reports</i> , 2022, 39, 110816.	6.4	8
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134	The Socio-Ecology of Free-Ranging Dogs. <i>Fascinating Life Sciences</i> , 2022, , 83-110.	0.9	2
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144	Deletion of prolyl hydroxylase domain-containing enzyme 3 (phd3) in zebrafish facilitates hypoxia tolerance. <i>Journal of Biological Chemistry</i> , 2023, 299, 105420.	3.4	1
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