Identification of mammalian-adapting mutations in the H5N1 influenza virus

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Citation Report

#	Article	IF	CITATIONS
1	Amino acid changes in PB2 and HA affect the growth of a recombinant influenza virus expressing a fluorescent reporter protein. Scientific Reports, 2016, 6, 19933.	1.6	8
2	First documented case of avian influenza (H5N1) virus infection in a lion. Emerging Microbes and Infections, 2016, 5, 1-3.	3.0	15
3	Multiple Natural Substitutions in Avian Influenza A Virus PB2 Facilitate Efficient Replication in Human Cells. Journal of Virology, 2016, 90, 5928-5938.	1.5	47
4	Human–Animal Interface: The Case for Influenza Interspecies Transmission. Advances in Experimental Medicine and Biology, 2016, 972, 17-33.	0.8	26
5	Pathogen population bottlenecks and adaptive landscapes: overcoming the barriers to disease emergence. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160727.	1.2	46
6	Amino acid substitutions V63I or A37S/I61T/V63I/V100A in the PA N-terminal domain increase the virulence of H7N7 influenza A virus. Scientific Reports, 2016, 6, 37800.	1.6	25
7	Coupling high-throughput genetics with phylogenetic information reveals an epistatic interaction on the influenza A virus M segment. BMC Genomics, 2016, 17, 46.	1.2	24
8	Genomic Analysis of the Emergence, Evolution, and Spread of Human Respiratory RNA Viruses. Annual Review of Genomics and Human Genetics, 2016, 17, 193-218.	2.5	38
9	Rapid acquisition of polymorphic virulence markers during adaptation of highly pathogenic avian influenza H5N8 virus in the mouse. Scientific Reports, 2017, 7, 40667.	1.6	13
10	A Novel A(H7N2) Influenza Virus Isolated from a Veterinarian Caring for Cats in a New York City Animal Shelter Causes Mild Disease and Transmits Poorly in the Ferret Model. Journal of Virology, 2017, 91, .	1.5	35
11	Characterization of influenza A viruses with polymorphism in PB2 residues 701 and 702. Scientific Reports, 2017, 7, 11361.	1.6	9
12	Prerequisites for the acquisition of mammalian pathogenicity by influenza A virus with a prototypic avian PB2 gene. Scientific Reports, 2017, 7, 10205.	1.6	20
13	A brief summary of the epidemiology and genetic relatedness of avian influenza H9N2 virus in birds and mammals in the Middle East and North Africa. Epidemiology and Infection, 2017, 145, 3320-3333.	1.0	74
14	Understanding the complex evolution of rapidly mutating viruses with deep sequencing: Beyond the analysis of viral diversity. Virus Research, 2017, 239, 43-54.	1.1	19
15	H7N9 virulent mutants detected in chickens in China pose an increased threat to humans. Cell Research, 2017, 27, 1409-1421.	5.7	209
16	Phylogenetic Tree based Method for Uncovering Co-mutational Site-pairs in Influenza Viruses. , 2017, , .		0
17	The significance of avian influenza virus mouse-adaptation and its application in characterizing the efficacy of new vaccines and therapeutic agents. Clinical and Experimental Vaccine Research, 2017, 6, 83.	1.1	5
18	From Variation of Influenza Viral Proteins to Vaccine Development. International Journal of Molecular Sciences, 2017, 18, 1554.	1.8	21

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19	In silico thermodynamic stability of mammalian adaptation and virulence determinants in polymerase complex proteins of H9N2 virus. Journal of Genetic Engineering and Biotechnology, 2018, 16, 757-767.	1.5	5
20	Genome-wide identification of interferon-sensitive mutations enables influenza vaccine design. Science, 2018, 359, 290-296.	6.0	64
21	H5N1 Influenza A Virus PB1-F2 Relieves HAX-1-Mediated Restriction of Avian Virus Polymerase PA in Human Lung Cells. Journal of Virology, 2018, 92, .	1.5	17
22	Altered virulence of Highly Pathogenic Avian Influenza (HPAI) H5N8 reassortant viruses in mammalian models. Virulence, 2018, 9, 133-148.	1.8	13
23	Influenza virus infection causes global RNAPII termination defects. Nature Structural and Molecular Biology, 2018, 25, 885-893.	3.6	48
24	Multiple polymerase gene mutations for human adaptation occurring in Asian H5N1 influenza virus clinical isolates. Scientific Reports, 2018, 8, 13066.	1.6	17
25	Characterization of H9N2 avian influenza viruses from the Middle East demonstrates heterogeneity at amino acid position 226 in the hemagglutinin and potential for transmission to mammals. Virology, 2018, 518, 195-201.	1.1	41
26	Differential Responses of Plants to Biotic Stress and the Role of Metabolites. , 2018, , 69-87.		13
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28	PB2 mutations arising during H9N2 influenza evolution in the Middle East confer enhanced replication and growth in mammals. PLoS Pathogens, 2019, 15, e1007919.	2.1	34
29	Insights into the Acquisition of Virulence of Avian Influenza Viruses during a Single Passage in Ferrets. Viruses, 2019, 11, 915.	1.5	3
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32	Diversity of A(H5N1) clade 2.3.2.1c avian influenza viruses with evidence of reassortment in Cambodia, 2014-2016. PLoS ONE, 2019, 14, e0226108.	1.1	10
33	Genetic Compatibility of Reassortants between Avian H5N1 and H9N2 Influenza Viruses with Higher Pathogenicity in Mammals. Journal of Virology, 2019, 93, .	1.5	24
34	Characterization of H7N9 avian influenza viruses isolated from duck meat products. Transboundary and Emerging Diseases, 2020, 67, 792-798.	1.3	6
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37	Dynamic PB2-E627K substitution of influenza H7N9 virus indicates the in vivo genetic tuning and rapid host adaptation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 23807-23814.	3.3	22
38	Suppression of Cytotoxic T Cell Functions and Decreased Levels of Tissue-Resident Memory T Cells during H5N1 Infection. Journal of Virology, 2020, 94, .	1.5	9
39	Host Innate Immune Response of Geese Infected with Clade 2.3.4.4 H5N6 Highly Pathogenic Avian Influenza Viruses. Microorganisms, 2020, 8, 224.	1.6	2
40	Human surveillance and phylogeny of highly pathogenic avian influenza A(H5N8) during an outbreak in poultry in South Africa, 2017. Influenza and Other Respiratory Viruses, 2020, 14, 266-273.	1.5	9
41	Rank orders of mammalian pathogenicity-related PB2 mutations of avian influenza A viruses. Scientific Reports, 2020, 10, 5359.	1.6	10
42	Comparison of Clinical Features and Outcomes of Medically Attended COVID-19 and Influenza Patients in a Defined Population in the 2020 Respiratory Virus Season. Frontiers in Public Health, 2021, 9, 587425.	1.3	8
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48	Multiple Gene Segments Are Associated with Enhanced Virulence of Clade 2.3.4.4 H5N8 Highly Pathogenic Avian Influenza Virus in Mallards. Journal of Virology, 2021, 95, e0095521.	1.5	16
49	Emergence of a novel reassortant avian influenza virus (H10N3) in Eastern China with high pathogenicity and respiratory droplet transmissibility to mammals. Science China Life Sciences, 2022, 65, 1024-1035.	2.3	20
50	Identification and molecular characterization of H9N2 viruses carrying multiple mammalian adaptation markers in resident birds in central-western wetlands in India. Infection, Genetics and Evolution, 2021, 94, 105005.	1.0	2
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55	Novel Polymerase Gene Mutations for Human Adaptation in Clinical Isolates of Avian H5N1 Influenza Viruses. PLoS Pathogens, 2016, 12, e1005583.	2.1	59
56	Comprehensive mapping of adaptation of the avian influenza polymerase protein PB2 to humans. ELife, 2019, 8, .	2.8	45
57	Encephalitis and Death in Wild Mammals at a Rehabilitation Center after Infection with Highly Pathogenic Avian Influenza A(H5N8) Virus, United Kingdom. Emerging Infectious Diseases, 2021, 27, 2856-2863	2.0	53

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60	Emergence, prevalence, and evolution of H5N8 avian influenza viruses in central China, 2020. Emerging Microbes and Infections, 2022, 11, 73-82.	3.0	15
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63	Emergence of H3N8 avian influenza viruses possessing tri-basic hemagglutinin cleavage sites in China. Journal of Infection, 2022, 85, e112-e114.	1.7	7
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