

Mouse genomic variation and its effect on phenotypes a

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Citation Report

#	ARTICLE	IF	CITATIONS
1	As we come to the end of 2011, several members of the Genome Biology Editorial Board give their views on the state of play in genomics. <i>Genome Biology</i> , 2011, 12, 137.	13.9	0
2	DNA-binding factors shape the mouse methylome at distal regulatory regions. <i>Nature</i> , 2011, 480, 490-495.	13.7	1,203
3	A heavyweight knocked out. <i>Nature</i> , 2011, 479, 48-50.	13.7	5
4	The blessings and curses of C57BL/6 substrains in mouse genetic studies. <i>Annals of the New York Academy of Sciences</i> , 2011, 1245, 31-33.	1.8	99
5	Sequence-based characterization of structural variation in the mouse genome. <i>Nature</i> , 2011, 477, 326-329.	13.7	299
6	Research Highlights. <i>Pharmacogenomics</i> , 2011, 12, 1637-1639.	0.6	1
7	Man-made cyclones. <i>Nature</i> , 2011, 479, 50-51.	13.7	5
8	Multiple reference genomes and transcriptomes for <i>Arabidopsis thaliana</i> . <i>Nature</i> , 2011, 477, 419-423.	13.7	593
9	Cofilin-1: A Modulator of Anxiety in Mice. <i>PLoS Genetics</i> , 2012, 8, e1002970.	1.5	28
10	Interplay Between Heart and Skeletal Muscle Disease in Heart Failure. <i>Circulation Research</i> , 2012, 110, 749-754.	2.0	8
11	The Long Path from QTL to Gene. <i>PLoS Genetics</i> , 2012, 8, e1002975.	1.5	39
12	Modifier Genes and the Plasticity of Genetic Networks in Mice. <i>PLoS Genetics</i> , 2012, 8, e1002644.	1.5	70
13	Genome Patterns of Selection and Introgression of Haplotypes in Natural Populations of the House Mouse (<i>Mus musculus</i>). <i>PLoS Genetics</i> , 2012, 8, e1002891.	1.5	128
14	Interallelic and Intergenic Incompatibilities of the <i>Prdm9</i> (<i>Hst1</i>) Gene in Mouse Hybrid Sterility. <i>PLoS Genetics</i> , 2012, 8, e1003044.	1.5	68
15	Critical Evaluation of Imprinted Gene Expression by RNA-Seq: A New Perspective. <i>PLoS Genetics</i> , 2012, 8, e1002600.	1.5	226
16	Genomic Variation and Its Impact on Gene Expression in <i>Drosophila melanogaster</i> . <i>PLoS Genetics</i> , 2012, 8, e1003055.	1.5	102
17	A Dominantly Acting Murine Allele of <i>Mcm4</i> Causes Chromosomal Abnormalities and Promotes Tumorigenesis. <i>PLoS Genetics</i> , 2012, 8, e1003034.	1.5	33
18	Systematic Detection of Epistatic Interactions Based on Allele Pair Frequencies. <i>PLoS Genetics</i> , 2012, 8, e1002463.	1.5	15

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19	Csnk1e Is a Genetic Regulator of Sensitivity to Psychostimulants and Opioids. <i>Neuropsychopharmacology</i> , 2012, 37, 1026-1035.	2.8	60
20	Expression Quantitative Trait Loci for Extreme Host Response to Influenza A in Pre-Collaborative Cross Mice. <i>G3: Genes, Genomes, Genetics</i> , 2012, 2, 213-221.	0.8	78
21	“Good Enough Solutions” and the Genetics of Complex Diseases. <i>Circulation Research</i> , 2012, 111, 493-504.	2.0	94
22	Epigenetic control of alternative mRNA processing at the imprinted <i>Herc3/Nap115</i> locus. <i>Nucleic Acids Research</i> , 2012, 40, 8917-8926.	6.5	44
23	Ten Years of the Collaborative Cross. <i>G3: Genes, Genomes, Genetics</i> , 2012, 2, 153-156.	0.8	78
24	Transcriptome Atlases of Mouse Brain Reveals Differential Expression Across Brain Regions and Genetic Backgrounds. <i>G3: Genes, Genomes, Genetics</i> , 2012, 2, 203-211.	0.8	18
25	Trans-Species Polymorphism and Allele-Specific Expression in the CBF Gene Family of Wild Tomatoes. <i>Molecular Biology and Evolution</i> , 2012, 29, 3641-3652.	3.5	40
26	Ten Years of the Collaborative Cross. <i>Genetics</i> , 2012, 190, 291-294.	1.2	128
27	A Common Dataset for Genomic Analysis of Livestock Populations. <i>G3: Genes, Genomes, Genetics</i> , 2012, 2, 429-435.	0.8	90
28	Predicting the Outcome of Infectious Diseases: Variability among Inbred Mice as a New and Powerful Tool for Biomarker Discovery. <i>MBio</i> , 2012, 3, e00199-12.	1.8	6
29	Inferring ancestry in admixed populations using microarray probe intensities. , 2012, , .		16
30	Genetic Analysis of Hematological Parameters in Incipient Lines of the Collaborative Cross. <i>G3: Genes, Genomes, Genetics</i> , 2012, 2, 157-165.	0.8	80
32	X-chromosome hyperactivation in mammals via nonlinear relationships between chromatin states and transcription. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 56-61.	3.6	88
33	A brief overview of mouse models of pulmonary arterial hypertension: problems and prospects. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2012, 302, L977-L991.	1.3	171
34	Fine-Scale Maps of Recombination Rates and Hotspots in the Mouse Genome. <i>Genetics</i> , 2012, 191, 757-764.	1.2	82
35	Mouse Phenome Database (MPD). <i>Nucleic Acids Research</i> , 2012, 40, D887-D894.	6.5	66
36	Imputation of Single-Nucleotide Polymorphisms in Inbred Mice Using Local Phylogeny. <i>Genetics</i> , 2012, 190, 449-458.	1.2	42
37	Genetic control of high density lipoprotein-cholesterol in AcB/BcA recombinant congenic strains of mice. <i>Physiological Genomics</i> , 2012, 44, 843-852.	1.0	3

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38	A Novel Multi-Scale Modeling Approach to Infer Whole Genome Divergence. <i>Evolutionary Bioinformatics</i> , 2012, 8, EBO.S10194.	0.6	0
39	High-Resolution Genetic Mapping Using the Mouse Diversity Outbred Population. <i>Genetics</i> , 2012, 190, 437-447.	1.2	437
40	Mousing around with caspases and IAPs. <i>Biochemical Journal</i> , 2012, 443, e1-e2.	1.7	1
41	The Genome Architecture of the Collaborative Cross Mouse Genetic Reference Population. <i>Genetics</i> , 2012, 190, 389-401.	1.2	435
42	Chicks and single-nucleotide polymorphisms: an entrée into identifying genes conferring disease resistance in chicken. <i>Animal Production Science</i> , 2012, 52, 151.	0.6	4
43	Complex Quantitative Traits Cracked by the Mouse Inter-Subspecific Consomic Strains. <i>Experimental Animals</i> , 2012, 61, 375-388.	0.7	7
44	Susceptibility to Progressive <i>Cryptococcus neoformans</i> Pulmonary Infection Is Regulated by Loci on Mouse Chromosomes 1 and 9. <i>Infection and Immunity</i> , 2012, 80, 4167-4176.	1.0	12
45	Artemis: an integrated platform for visualization and analysis of high-throughput sequence-based experimental data. <i>Bioinformatics</i> , 2012, 28, 464-469.	1.8	1,029
46	A beginners guide to SNP calling from high-throughput DNA-sequencing data. <i>Human Genetics</i> , 2012, 131, 1541-1554.	1.8	92
47	The fine-scale architecture of structural variants in 17 mouse genomes. <i>Genome Biology</i> , 2012, 13, R18.	13.9	47
48	High levels of RNA-editing site conservation amongst 15 laboratory mouse strains. <i>Genome Biology</i> , 2012, 13, R26.	13.9	149
49	Genetic basis of transcriptome differences between the founder strains of the rat HXB/BXH recombinant inbred panel. <i>Genome Biology</i> , 2012, 13, r31.	13.9	32
50	The genomic landscape shaped by selection on transposable elements across 18 mouse strains. <i>Genome Biology</i> , 2012, 13, R45.	13.9	170
51	Sequencing and characterization of the FVB/NJ mouse genome. <i>Genome Biology</i> , 2012, 13, R72.	13.9	76
52	Genetic control of antibody production during collagen-induced arthritis development in heterogeneous stock mice. <i>Arthritis and Rheumatism</i> , 2012, 64, 3594-3603.	6.7	18
53	Emerging genetics of COPD. <i>EMBO Molecular Medicine</i> , 2012, 4, 1144-1155.	3.3	73
54	Next-generation sequencing of experimental mouse strains. <i>Mammalian Genome</i> , 2012, 23, 490-498.	1.0	53
55	Association studies in outbred mice in a new era of full-genome sequencing. <i>Mammalian Genome</i> , 2012, 23, 719-726.	1.0	30

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56	Status and access to the Collaborative Cross population. <i>Mammalian Genome</i> , 2012, 23, 706-712.	1.0	134
57	Hybrid mouse diversity panel: a panel of inbred mouse strains suitable for analysis of complex genetic traits. <i>Mammalian Genome</i> , 2012, 23, 680-692.	1.0	134
58	The diversity outbred mouse population. <i>Mammalian Genome</i> , 2012, 23, 713-718.	1.0	406
59	High throughput sequencing approaches to mutation discovery in the mouse. <i>Mammalian Genome</i> , 2012, 23, 499-513.	1.0	5
60	Chromosome substitution strains: gene discovery, functional analysis, and systems studies. <i>Mammalian Genome</i> , 2012, 23, 693-705.	1.0	32
61	Mouse genomics programs and resources. <i>Mammalian Genome</i> , 2012, 23, 479-489.	1.0	7
62	Parallel Selection Mapping Using Artificially Selected Mice Reveals Body Weight Control Loci. <i>Current Biology</i> , 2012, 22, 794-800.	1.8	82
63	Genomic and genome-wide association of susceptibility to radiation-induced fibrotic lung disease in mice. <i>Radiotherapy and Oncology</i> , 2012, 105, 350-357.	0.3	34
64	Genetic dissection of a model complex trait using the <i>Drosophila</i> Synthetic Population Resource. <i>Genome Research</i> , 2012, 22, 1558-1566.	2.4	199
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66	Base-Resolution Analyses of Sequence and Parent-of-Origin Dependent DNA Methylation in the Mouse Genome. <i>Cell</i> , 2012, 148, 816-831.	13.5	478
67	Cancer gene discovery in the mouse. <i>Current Opinion in Genetics and Development</i> , 2012, 22, 14-20.	1.5	10
68	Genetic divergence and the genetic architecture of complex traits in chromosome substitution strains of mice. <i>BMC Genetics</i> , 2012, 13, 38.	2.7	32
69	Discovery of novel variants in genotyping arrays improves genotype retention and reduces ascertainment bias. <i>BMC Genomics</i> , 2012, 13, 34.	1.2	61
70	Genomic variation in the vomeronasal receptor gene repertoires of inbred mice. <i>BMC Genomics</i> , 2012, 13, 415.	1.2	32
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75	Opportunities for Bioinformatics in the Classification of Behavior and Psychiatric Disorders. <i>International Review of Neurobiology</i> , 2012, 104, 183-211.	0.9	3
76	Neural Mechanisms of Stress Resilience and Vulnerability. <i>Neuron</i> , 2012, 75, 747-761.	3.8	410
77	After GWAS: mice to the rescue?. <i>Current Opinion in Immunology</i> , 2012, 24, 564-570.	2.4	27
78	Mammals: From Humble Vertebrate Beginnings to Global Terrestrial Dominance. <i>SpringerBriefs in Evolutionary Biology</i> , 2012, , 7-20.	0.2	1
79	Robustness and Polyphenisms in Mammals: "Core Processes," "Reprogramming," "Constrained Variation," and "Regulatory Logic." <i>SpringerBriefs in Evolutionary Biology</i> , 2012, , 45-70.	0.2	0
80	Spreading of X chromosome inactivation via a hierarchy of defined Polycomb stations. <i>Genome Research</i> , 2012, 22, 1864-1876.	2.4	143
81	Comparative Oncogenomics Implicates the Neurofibromin 1 Gene (<i>NF1</i>) as a Breast Cancer Driver. <i>Genetics</i> , 2012, 192, 385-396.	1.2	61
82	Genetic background affects induced pluripotent stem cell generation. <i>Stem Cell Research and Therapy</i> , 2012, 3, 30.	2.4	22
83	Mapping Genetic Variants Associated with Beta-Adrenergic Responses in Inbred Mice. <i>PLoS ONE</i> , 2012, 7, e41032.	1.1	8
84	Mutanlallemand (<i>mtl</i>) and Belly Spot and Deafness (<i>bsd</i>) Are Two New Mutations of <i>Lmx1a</i> Causing Severe Cochlear and Vestibular Defects. <i>PLoS ONE</i> , 2012, 7, e51065.	1.1	21
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88	Sex and the circuitry: progress toward a systems-level understanding of vertebrate sex determination. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2012, 4, 401-412.	6.6	47
89	Mouse endogenous retroviruses can trigger premature transcriptional termination at a distance. <i>Genome Research</i> , 2012, 22, 870-884.	2.4	43
90	Mouse genetic and phenotypic resources for human genetics. <i>Human Mutation</i> , 2012, 33, 826-836.	1.1	58
91	Congenic mice provide in vivo evidence for a genetic locus that modulates intrinsic transforming growth factor β -mediated signaling and bone acquisition. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 1345-1356.	3.1	13
92	Characterization of Enhancer Function from Genome-Wide Analyses. <i>Annual Review of Genomics and Human Genetics</i> , 2012, 13, 29-57.	2.5	86

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93	Endogenous retroviruses in mammals: An emerging picture of how ERVs modify expression of adjacent genes. <i>BioEssays</i> , 2012, 34, 734-738.	1.2	34
94	WNT1-Inducible Signaling Pathway Protein 1 Contributes to Ventilator-Induced Lung Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012, 47, 528-535.	1.4	38
95	Genetics and Evolution of Hybrid Male Sterility in House Mice. <i>Genetics</i> , 2012, 191, 917-934.	1.2	65
96	A pronounced evolutionary shift of the pseudoautosomal region boundary in house mice. <i>Mammalian Genome</i> , 2012, 23, 454-466.	1.0	37
97	Genome-Wide Association for Fear Conditioning in an Advanced Intercross Mouse Line. <i>Behavior Genetics</i> , 2012, 42, 437-448.	1.4	44
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99	Genome-wide association for methamphetamine sensitivity in an advanced intercross mouse line. <i>Genes, Brain and Behavior</i> , 2012, 11, 52-61.	1.1	38
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102	A better prognosis for genetic association studies in mice. <i>Trends in Genetics</i> , 2012, 28, 62-69.	2.9	20
103	<i>Staphylococcus</i> prevails in the skin microbiota of long-term immunodeficient mice. <i>Environmental Microbiology</i> , 2012, 14, 2087-2098.	1.8	13
104	Retrotransposition of gene transcripts leads to structural variation in mammalian genomes. <i>Genome Biology</i> , 2013, 14, R22.	13.9	102
105	Research progress in allele-specific expression and its regulatory mechanisms. <i>Journal of Applied Genetics</i> , 2013, 54, 271-283.	1.0	70
106	Anxiety genetics " findings from cross-species genome-wide approaches. <i>Biology of Mood & Anxiety Disorders</i> , 2013, 3, 9.	4.7	29
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112	Exome sequencing of senescence-accelerated mice (SAM) reveals deleterious mutations in degenerative disease-causing genes. BMC Genomics, 2013, 14, 248.	1.2	29
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115	Improved moderation for gene-wise variance estimation in RNA-Seq via the exploitation of external information. BMC Genomics, 2013, 14, S9.	1.2	2
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117	Impact of the Environment on the Skeleton: Is it Modulated by Genetic Factors?. Current Osteoporosis Reports, 2013, 11, 219-228.	1.5	13
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128	Animal Models of Metabolic Syndrome. , 2013, , 243-264.		4

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130	C57BL/6N Mutation in <i>Cytoplasmic FMRP interacting protein 2</i> Regulates Cocaine Response. <i>Science</i> , 2013, 342, 1508-1512.	6.0	198
131	Expression variation of the porcine ADRB2 has a complex genetic background. <i>Molecular Genetics and Genomics</i> , 2013, 288, 615-625.	1.0	6
132	A comparative phenotypic and genomic analysis of C57BL/6J and C57BL/6N mouse strains. <i>Genome Biology</i> , 2013, 14, R82.	13.9	403
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139	The humankind genome: from genetic diversity to the origin of human diseases. <i>Genome</i> , 2013, 56, 705-716.	0.9	18
140	Phenotypic impact of genomic structural variation: insights from and for human disease. <i>Nature Reviews Genetics</i> , 2013, 14, 125-138.	7.7	502
141	Presphenoidal synchondrosis fusion in DBA/2J mice. <i>Mammalian Genome</i> , 2013, 24, 54-62.	1.0	3
142	Deconstructing <i>Mus gemischus</i> : advances in understanding ancestry, structure, and variation in the genome of the laboratory mouse. <i>Mammalian Genome</i> , 2013, 24, 1-20.	1.0	56
143	mRNA expression, splicing and editing in the embryonic and adult mouse cerebral cortex. <i>Nature Neuroscience</i> , 2013, 16, 499-506.	7.1	130
144	Mechanistic basis of infertility of mouse intersubspecific hybrids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E468-77.	3.3	157
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151	Translational neuropharmacology: the use of human isolated gastrointestinal tissues. <i>British Journal of Pharmacology</i> , 2013, 168, 28-43.	2.7	32
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160	The ancestor of extant Japanese fancy mice contributed to the mosaic genomes of classical inbred strains. <i>Genome Research</i> , 2013, 23, 1329-1338.	2.4	83
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162	Fine-Scale Recombination Mapping of High-Throughput Sequence Data. , 2013, , .		2
163	Read Annotation Pipeline for High-Throughput Sequencing Data. , 2013, , .		10
164	Transforming Genomes Using MOD Files with Applications. , 2013, , .		9

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166	Genetic Architecture of Skewed X Inactivation in the Laboratory Mouse. <i>PLoS Genetics</i> , 2013, 9, e1003853.	1.5	41
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170	Functional Plasticity in the Type IV Secretion System of <i>Helicobacter pylori</i> . <i>PLoS Pathogens</i> , 2013, 9, e1003189.	2.1	135
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