

# Genome Sequence of the Pea Aphid *Acyrtosiphon pisum*

PLoS Biology

8, e1000313

DOI: [10.1371/journal.pbio.1000313](https://doi.org/10.1371/journal.pbio.1000313)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Dynamics of genome evolution in facultative symbionts of aphids. <i>Environmental Microbiology</i> , 2010, 12, 2060-2069.	1.8	81
2	Relationship Between Aphid Infestation and Chlorophyll Content in Fabaceae Species. <i>Acta Biologica Cracoviensia Series Botanica</i> , 2010, 52, .	0.5	12
3	The role of octopamine in locusts and other arthropods. <i>Journal of Insect Physiology</i> , 2010, 56, 854-867.	0.9	142
4	Aphid reproductive investment in response to mortality risks. <i>BMC Evolutionary Biology</i> , 2010, 10, 251.	3.2	35
5	Bioinformatic prediction, deep sequencing of microRNAs and expression analysis during phenotypic plasticity in the pea aphid, <i>Acyrtosiphon pisum</i> . <i>BMC Genomics</i> , 2010, 11, 281.	1.2	95
6	Massively parallel pyrosequencing-based transcriptome analyses of small brown planthopper ( <i>Laodelphax striatellus</i> ), a vector insect transmitting rice stripe virus (RSV). <i>BMC Genomics</i> , 2010, 11, 303.	1.2	115
7	Genomic survey of the ectoparasitic mite <i>Varroa destructor</i> , a major pest of the honey bee <i>Apis mellifera</i> . <i>BMC Genomics</i> , 2010, 11, 602.	1.2	118
8	A peptide that binds the pea aphid gut impedes entry of Pea enation mosaic virus into the aphid hemocoel. <i>Virology</i> , 2010, 401, 107-116.	1.1	49
9	Bioactivity of essential oils from leaves and bark of <i>Laurelia sempervirens</i> and <i>Drimys winteri</i> against <i>Acyrtosiphon pisum</i> . <i>Pest Management Science</i> , 2010, 66, 1324-1331.	1.7	38
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11	A full-length cDNA resource for the pea aphid, <i>Acyrtosiphon pisum</i> . <i>Insect Molecular Biology</i> , 2010, 19, 23-31.	1.0	30
12	Chromatin remodelling proteins of the pea aphid, <i>Acyrtosiphon pisum</i> (Harris). <i>Insect Molecular Biology</i> , 2010, 19, 201-214.	1.0	25
13	Combining Next-Generation Sequencing Strategies for Rapid Molecular Resource Development from an Invasive Aphid Species, <i>Aphis glycines</i> . <i>PLoS ONE</i> , 2010, 5, e11370.	1.1	77
14	Genome-Enabled Research on the Ecology of Plant-Insect Interactions. <i>Plant Physiology</i> , 2010, 154, 475-478.	2.3	18
15	Expansion of the miRNA Pathway in the Hemipteran Insect <i>Acyrtosiphon pisum</i> . <i>Molecular Biology and Evolution</i> , 2010, 27, 979-987.	3.5	56
16	Aphid wing dimorphisms: linking environmental and genetic control of trait variation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 605-616.	1.8	136
17	The helper-component protease transmission factor of tobacco etch potyvirus binds specifically to an aphid ribosomal protein homologous to the laminin receptor precursor. <i>Journal of General Virology</i> , 2010, 91, 2862-2873.	1.3	34
18	Evolution of a genomic regulatory domain: The role of gene co-option and gene duplication in the Enhancer of split complex. <i>Genome Research</i> , 2010, 20, 917-928.	2.4	22

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20	Pervasive Horizontal Transfer of Rolling-Circle Transposons among Animals. Genome Biology and Evolution, 2010, 2, 656-664.	1.1	93
21	Functional Conservation of DNA Methylation in the Pea Aphid and the Honeybee. Genome Biology and Evolution, 2010, 2, 719-728.	1.1	109
22	Economical Evolution: Microbes Reduce the Synthetic Cost of Extracellular Proteins. MBio, 2010, 1, .	1.8	112
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27	Genome sequences of the human body louse and its primary endosymbiont provide insights into the permanent parasitic lifestyle. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12168-12173.	3.3	482
28	Insecticidal properties of <i>Sclerotinia sclerotiorum</i> agglutinin and its interaction with insect tissues and cells. Insect Biochemistry and Molecular Biology, 2010, 40, 883-890.	1.2	45
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33	Dynamic affairs“could be if we let it!. Trends in Ecology and Evolution, 2010, 25, 430-431.	4.2	1
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35	Immunity and other defenses in pea aphids, <i>Acyrtosiphon pisum</i> . Genome Biology, 2010, 11, R21.	13.9	389
36	The pea aphid genome sequence brings theories of insect defense into question. Genome Biology, 2010, 11, 106.	13.9	45

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38	Transcriptomics of the Bed Bug ( <i>Cimex lectularius</i> ). <i>PLoS ONE</i> , 2011, 6, e16336.	1.1	120
39	Advances in plant disease and pest management. <i>Journal of Agricultural Science</i> , 2011, 149, 91-114.	0.6	78
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44	Lessons from Studying Insect Symbioses. <i>Cell Host and Microbe</i> , 2011, 10, 359-367.	5.1	207
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48	Laccase2 is required for cuticular pigmentation in stinkbugs. <i>Insect Biochemistry and Molecular Biology</i> , 2011, 41, 191-196.	1.2	82
49	Identification and tissue distribution of odorant binding protein genes in the lucerne plant bug <i>Adelphocoris lineolatus</i> (Goeze). <i>Insect Biochemistry and Molecular Biology</i> , 2011, 41, 254-263.	1.2	125
50	Interaction of the <i>Bacillus thuringiensis</i> delta endotoxins Cry1Ac and Cry3Aa with the gut of the pea aphid, <i>Acyrtosiphon pisum</i> (Harris). <i>Journal of Invertebrate Pathology</i> , 2011, 107, 69-78.	1.5	62
51	Genomic organization of the glutathione S-transferase family in insects. <i>Molecular Phylogenetics and Evolution</i> , 2011, 61, 924-932.	1.2	88
52	Biostable multi-Aib analogs of tachykinin-related peptides demonstrate potent oral aphicidal activity in the pea aphid <i>Acyrtosiphon pisum</i> (Hemiptera: Aphidae). <i>Peptides</i> , 2011, 32, 587-594.	1.2	33
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73	Evolution and molecular mechanisms of adaptive developmental plasticity. <i>Molecular Ecology</i> , 2011, 20, 1347-1363.	2.0	311

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109	How the insect immune system interacts with an obligate symbiotic bacterium. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 333-338.	1.2	59

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111	Genomics of Environmentally Induced Phenotypes in 2 Extremely Plastic Arthropods. <i>Journal of Heredity</i> , 2011, 102, 512-525.	1.0	41
112	Large-Scale Label-Free Quantitative Proteomics of the Pea aphid-Buchnera Symbiosis. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.007039.	2.5	133
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120	Draft genome of the red harvester ant <i>Pogonomyrmex barbatus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5667-5672.	3.3	222
121	The evolution of dorsal-ventral patterning mechanisms in insects. <i>Genes and Development</i> , 2011, 25, 107-118.	2.7	98
122	<i>Serratia symbiotica</i> from the Aphid <i>Cinara cedri</i> : A Missing Link from Facultative to Obligate Insect Endosymbiont. <i>PLoS Genetics</i> , 2011, 7, e1002357.	1.5	208
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125	CycADS: an annotation database system to ease the development and update of BioCyc databases. <i>Database: the Journal of Biological Databases and Curation</i> , 2011, 2011, bar008-bar008.	1.4	16
126	The Salivary Secretome of the Tsetse Fly <i>Glossina pallidipes</i> (Diptera: Glossinidae) Infected by Salivary Gland Hypertrophy Virus. <i>PLoS Neglected Tropical Diseases</i> , 2011, 5, e1371.	1.3	21
127	PhylomeDB v3.0: an expanding repository of genome-wide collections of trees, alignments and phylogeny-based orthology and paralogy predictions. <i>Nucleic Acids Research</i> , 2011, 39, D556-D560.	6.5	134



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129	Evolution of symbiotic organs and endosymbionts in lygaeid stinkbugs. <i>ISME Journal</i> , 2012, 6, 397-409.	4.4	80
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135	Identification of distinct quantitative trait loci associated with defence against the closely related aphids <i>Acyrtosiphon pisum</i> and <i>A. kondoi</i> in <i>Medicago truncatula</i> . <i>Journal of Experimental Botany</i> , 2012, 63, 3913-3922.	2.4	36
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137	Endosymbiont Tolerance and Control within Insect Hosts. <i>Insects</i> , 2012, 3, 553-572.	1.0	59
138	Aphids: A Model for Polyphenism and Epigenetics. <i>Genetics Research International</i> , 2012, 2012, 1-12.	2.0	53
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142	<i>Insect Genomics.</i> , 2012, , 1-29.		0
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145	Aspects of insect chemical ecology: exploitation of reception and detection as tools for deception of pests and beneficial insects. <i>Physiological Entomology</i> , 2012, 37, 2-9.	0.6	41

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581	Genome Sequence of <i>Candidatus</i> <i>Serratia symbiotica</i> Strain IS, a Facultative Bacterial Symbiont of the Pea Aphid <i>Acyrtosiphon pisum</i> . <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.3	9
582	Evolutionary costs and benefits of infection with diverse strains of <i>Spiroplasma</i> in pea aphids*. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 1466-1481.	1.1	27
583	Effects of RNAi-based silencing of chitin synthase gene on moulting and fecundity in pea aphids ( <i>Acyrtosiphon pisum</i> ). <i>Scientific Reports</i> , 2019, 9, 3694.	1.6	52
584	Unity Makes Strength: A Review on Mutualistic Symbiosis in Representative Insect Clades. <i>Life</i> , 2019, 9, 21.	1.1	25
585	The Evolutionary History and Functional Divergence of Trehalase (treh) Genes in Insects. <i>Frontiers in Physiology</i> , 2019, 10, 62.	1.3	25
586	Genome sequence of the corn leaf aphid ( <i>Rhopalosiphum maidis</i> Fitch). <i>GigaScience</i> , 2019, 8, .	3.3	60
587	Transmission of a Protease-Secreting Bacterial Symbiont Among Pea Aphids via Host Plants. <i>Frontiers in Physiology</i> , 2019, 10, 438.	1.3	23
588	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
589	Molecular evolutionary trends and feeding ecology diversification in the Hemiptera, anchored by the milkweed bug genome. <i>Genome Biology</i> , 2019, 20, 64.	3.8	114
590	Functional crosstalk across IMD and Toll pathways: insight into the evolution of incomplete immune cascades. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20182207.	1.2	78
591	Invasive invertebrates associated with highly duplicated gene content. <i>Molecular Ecology</i> , 2019, 28, 1652-1663.	2.0	14
592	Untargeted Metabolomics Approach Reveals Differences in Host Plant Chemistry Before and After Infestation With Different Pea Aphid Host Races. <i>Frontiers in Plant Science</i> , 2019, 10, 188.	1.7	50
593	Potential Pathways and Genes Involved in Lac Synthesis and Secretion in <i>Kerria chinensis</i> (Hemiptera: Tj ETQq0 0 0 rgBT /Overlock 10 T	1.9	5
594	Draft genome of the cotton aphid <i>Aphis gossypii</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2019, 105, 25-32.	1.2	55
595	Long Range Sequencing and Validation of Insect Genome Assemblies. <i>Methods in Molecular Biology</i> , 2019, 1858, 33-44.	0.4	3
596	Molecular Mechanisms of Wing Polymorphism in Insects. <i>Annual Review of Entomology</i> , 2019, 64, 297-314.	5.7	88
597	Identification and functional characterization of an odorant receptor in pea aphid, <i>Acyrtosiphon pisum</i> . <i>Insect Science</i> , 2019, 26, 58-67.	1.5	23
598	Whole genome sequence of the soybean aphid, <i>Aphis glycines</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2020, 123, 102917.	1.2	91

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600	High levels of arbuscular mycorrhizal fungus colonization on <i>Medicago truncatula</i> reduces plant suitability as a host for pea aphids ( <i>Acyrtosiphon pisum</i> ). <i>Insect Science</i> , 2020, 27, 99-112.	1.5	20
601	Expression profiling of winged and wingless destined pea aphid embryos implicates insulin/insulin growth factor signaling in morph differences. <i>Evolution &amp; Development</i> , 2020, 22, 257-268.	1.1	18
602	Phylogenomics Identifies an Ancestral Burst of Gene Duplications Predating the Diversification of Aphidomorpha. <i>Molecular Biology and Evolution</i> , 2020, 37, 730-756.	3.5	29
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604	Telomere structure in insects: A review. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2020, 58, 127-158.	0.6	36
605	Influence of cell wall polymers and their modifying enzymes during plant-aphid interactions. <i>Journal of Experimental Botany</i> , 2020, 71, 3854-3864.	2.4	29
606	The Role of Bacterial Symbionts in Triatomines: An Evolutionary Perspective. <i>Microorganisms</i> , 2020, 8, 1438.	1.6	26
607	Satellitome Analysis in the Ladybird Beetle <i>Hippodamia variegata</i> (Coleoptera, Coccinellidae). <i>Genes</i> , 2020, 11, 783.	1.0	18
608	Micromorphology of the model species pea aphid <i>Acyrtosiphon pisum</i> (Hemiptera, Aphididae) with special emphasis on the sensilla structure. , 2020, 87, 336-356.		3
609	Hosting certain facultative symbionts modulates the phenoloxidase activity and immune response of the pea aphid <i>Acyrtosiphon pisum</i> . <i>Insect Science</i> , 2021, 28, 1780-1799.	1.5	9
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613	Prevalence and Implications of Contamination in Public Genomic Resources: A Case Study of 43 Reference Arthropod Assemblies. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 721-730.	0.8	25
614	Proteomics in Non-model Organisms: A New Analytical Frontier. <i>Journal of Proteome Research</i> , 2020, 19, 3595-3606.	1.8	40
615	Involvement of chemosensory proteins in host plant searching in the bird cherry-oat aphid. <i>Insect Science</i> , 2021, 28, 1338-1353.	1.5	18
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617	Genome Sequence of the Banana Aphid, <i>Pentalonia nigronervosa</i> Coquerel (Hemiptera: Aphididae) and Its Symbionts. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 4315-4321.	0.8	18
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623	Hemiptera phylogenomic resources: Tree-based orthology prediction and conserved exon identification. <i>Molecular Ecology Resources</i> , 2020, 20, 1346-1360.	2.2	5
624	AcDCXR Is a Cowpea Aphid Effector With Putative Roles in Altering Host Immunity and Physiology. <i>Frontiers in Plant Science</i> , 2020, 11, 605.	1.7	11
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632	Defensive Symbioses in Social Insects Can Inform Human Health and Agriculture. <i>Frontiers in Microbiology</i> , 2020, 11, 76.	1.5	6
633	Dynamics of Insect-Microbiome Interaction Influence Host and Microbial Symbiont. <i>Frontiers in Microbiology</i> , 2020, 11, 1357.	1.5	98
634	The first complete mitochondrial genome of <i>Adelges tsugae</i> Annand (Hemiptera: Adelgidae). <i>Mitochondrial DNA Part B: Resources</i> , 2020, 5, 2288-2290.	0.2	3

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638	Genomic organization of Polycomb Response Elements and its functional implication in <i>Drosophila</i> and other insects. <i>Journal of Biosciences</i> , 2020, 45, 1.	0.5	8
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650	Chemosensory proteins participate in insecticide susceptibility in <i>Rhopalosiphum padi</i> , a serious pest on wheat crops. <i>Insect Molecular Biology</i> , 2021, 30, 138-151.	1.0	18
651	Multi-approach comparative study of the two most prevalent genotypes of pea aphid <i>Acyrtosiphon pisum</i> (Hemiptera: Aphididae) in Chile. <i>Entomological Science</i> , 2021, 24, 55-67.	0.3	0
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