

DNA methylation dynamics, metabolic fluxes, gene splicing  
honey bees

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Genome-wide and Caste-Specific DNA Methylomes of the Ants <i>Camponotus floridanus</i> and <i>Harpegnathos saltator</i> . <i>Current Biology</i> , 2012, 22, 1755-1764.	1.8	361
2	Epigenetics: The Making of Ant Castes. <i>Current Biology</i> , 2012, 22, R835-R838.	1.8	27
3	Molecular and biochemical characterization of the major royal jelly protein in bumblebees suggest a non-nutritive function. <i>Insect Biochemistry and Molecular Biology</i> , 2012, 42, 647-654.	1.2	22
4	Patterns of DNA Methylation in Development, Division of Labor and Hybridization in an Ant with Genetic Caste Determination. <i>PLoS ONE</i> , 2012, 7, e42433.	1.1	52
5	Evidence of a conserved functional role for DNA methylation in termites. <i>Insect Molecular Biology</i> , 2013, 22, 143-154.	1.0	36
6	Life history trade-offs in cancer evolution. <i>Nature Reviews Cancer</i> , 2013, 13, 883-892.	12.8	207
7	Biased gene expression in early honeybee larval development. <i>BMC Genomics</i> , 2013, 14, 903.	1.2	80
8	Identical sets of methylated and nonmethylated genes in <i>Ciona intestinalis</i> sperm and muscle cells. <i>Epigenetics and Chromatin</i> , 2013, 6, 38.	1.8	29
9	Honeybees and cell lines as models of DNA methylation and aging in response to diet. <i>Experimental Gerontology</i> , 2013, 48, 614-619.	1.2	20
10	Genetic underpinnings of division of labor in the honeybee ( <i>Apis mellifera</i> ). <i>Trends in Genetics</i> , 2013, 29, 641-648.	2.9	42
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12	Extensive histone post-translational modification in honey bees. <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 125-137.	1.2	63
13	Neuropeptide F regulates male reproductive processes in the desert locust, <i>Schistocerca gregaria</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 252-259.	1.2	36
14	The pea aphid ( <i>Acyrtosiphon pisum</i> ) genome encodes two divergent early developmental programs. <i>Developmental Biology</i> , 2013, 377, 262-274.	0.9	27
15	Non-canonical functions of the DNA methylome in gene regulation. <i>Biochemical Journal</i> , 2013, 451, 13-23.	1.7	75
16	Functions of DNA Methylation and Hydroxymethylation in Mammalian Development. <i>Current Topics in Developmental Biology</i> , 2013, 104, 47-83.	1.0	133
17	Genomewide analysis indicates that queen larvae have lower methylation levels in the honey bee ( <i>Apis mellifera</i> ). <i>PLoS ONE</i> , 2013, 8, e64949.	0.6	49
19	The Function of Intragenic DNA Methylation: Insights from Insect Epigenomes. <i>Integrative and Comparative Biology</i> , 2013, 53, 319-328.	0.9	96

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21	Mechanisms regulating nutrition-dependent developmental plasticity through organ-specific effects in insects. Frontiers in Physiology, 2013, 4, 263.	1.3	106
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25	RNA interference knockdown of <i>DNA methyl-transferase 3</i> affects gene alternative splicing in the honey bee. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12750-12755.	3.3	237
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53	Reproduction of honeybee workers is regulated by epidermal growth factor receptor signaling. <i>General and Comparative Endocrinology</i> , 2014, 197, 1-4.	0.8	17
54	Insights into DNA hydroxymethylation in the honeybee from in-depth analyses of TET dioxygenase. <i>Open Biology</i> , 2014, 4, 140110.	1.5	60
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57	Dnmts and Tet target memory-associated genes after appetitive olfactory training in honey bees. <i>Scientific Reports</i> , 2015, 5, 16223.	1.6	44
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63	What Do Studies of Insect Polyphenisms Tell Us about Nutritionally-Triggered Epigenomic Changes and Their Consequences?. <i>Nutrients</i> , 2015, 7, 1787-1797.	1.7	21
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65	Proximate pathways underlying social behavior. <i>Current Opinion in Behavioral Sciences</i> , 2015, 6, 154-159.	2.0	25
66	A Search for Parent-of-Origin Effects on Honey Bee Gene Expression. <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 1657-1662.	0.8	41
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68	Epigenetics in Social Insects. <i>Advances in Insect Physiology</i> , 2015, 48, 227-269.	1.1	15
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71	Differentially expressed microRNAs between queen and worker larvae of the honey bee ( <i>Apis</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 0.9 32	0.9	32
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86	DNA Methylation in Social Insects: How Epigenetics Can Control Behavior and Longevity. <i>Annual Review of Entomology</i> , 2015, 60, 435-452.	5.7	156
87	The Function of DNA Methylation Marks in Social Insects. <i>Frontiers in Ecology and Evolution</i> , 2016, 4, .	1.1	48
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107	Resource base influences genome-wide DNA methylation levels in wild baboons ( <i>Papio</i> ) Tj ETQq0.0.0 rgBT /Overlock 1	2.0	84
108	Queen pheromones modulate DNA methyltransferase activity in bee and ant workers. <i>Biology Letters</i> , 2016, 12, 20151038.	1.0	21
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110	Epigenetic code and insect behavioural plasticity. <i>Current Opinion in Insect Science</i> , 2016, 15, 45-52.	2.2	56

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111	Parent-of-origin effects on genome-wide DNA methylation in the Cape honey bee ( <i>Apis mellifera</i> ) Tj ETQq0 0 0 rgBT <sub>1,2</sub> /Overlock <sub>10</sub> Tf 50 7	1.2	54
112	Complex patterns of differential expression in candidate master regulatory genes for social behavior in honey bees. <i>Behavioral Ecology and Sociobiology</i> , 2016, 70, 1033-1043.	0.6	23
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114	Toward an Upgraded Honey Bee ( <i>Apis mellifera</i> L.) Genome Annotation Using Proteogenomics. <i>Journal of Proteome Research</i> , 2016, 15, 411-421.	1.8	22
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117	Molecular mechanisms of phenotypic plasticity in social insects. <i>Current Opinion in Insect Science</i> , 2016, 13, 55-60.	2.2	144
118	Differentially methylated obligatory epialleles modulate context-dependent <i>LAM</i> gene expression in the honeybee <i>Apis mellifera</i> . <i>Epigenetics</i> , 2016, 11, 1-10.	1.3	56
119	DNA methylation comparison between 4-day-old queen and worker larvae of honey bee. <i>Journal of Asia-Pacific Entomology</i> , 2017, 20, 299-303.	0.4	4
120	The Role of Brood in Eusocial Hymenoptera. <i>Quarterly Review of Biology</i> , 2017, 92, 39-78.	0.0	58
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123	Epigenetic Regulation of Longevity in Insects. <i>Advances in Insect Physiology</i> , 2017, , 87-114.	1.1	10
124	Alternative splicing as a regulator of development and tissue identity. <i>Nature Reviews Molecular Cell Biology</i> , 2017, 18, 437-451.	16.1	929
126	Contrasting Sex-and Caste-Dependent piRNA Profiles in the Transposon Depleted Haplodiploid Honeybee <i>Apis mellifera</i> . <i>Genome Biology and Evolution</i> , 2017, 9, 1341-1356.	1.1	16
127	Making a queen: an epigenetic analysis of the robustness of the honeybee ( <i>Apis mellifera</i> ) Tj ETQq1 1 0.784314 rgBT <sub>2,0</sub> /Overlock <sub>46</sub>	2.0	46
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131	Genome-wide DNA methylation and transcriptome analyses reveal genes involved in immune responses of pig peripheral blood mononuclear cells to poly I:C. Scientific Reports, 2017, 7, 9709.	1.6	44
132	Do social insects support Haig's kin theory for the evolution of genomic imprinting?. Epigenetics, 2017, 12, 725-742.	1.3	25
133	Genome-wide DNA methylation changes associated with olfactory learning and memory in <i>Apis mellifera</i> . Scientific Reports, 2017, 7, 17017.	1.6	20
134	Effects of a parental exposure to diuron on Pacific oyster spat methylome. Environmental Epigenetics, 2017, 3, dx004.	0.9	56
135	DNA methylation of Kr-h1 is involved in regulating ovary activation in worker honeybees ( <i>Apis mellifera</i> ). <i>Journal of Experimental Biology</i> , 2017, 207, 107-113.	0.7	3
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137	No evidence that DNA methylation is associated with the regulation of fertility in the adult honey bee <i>Apis mellifera</i> (Hymenoptera: Apidae) worker ovary. <i>Austral Entomology</i> , 2017, 56, 115-121.	0.8	1
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139	Epigenetics in Insects: Mechanisms, Phenotypes and Ecological and Evolutionary Implications. <i>Advances in Insect Physiology</i> , 2017, 53, 1-30.	1.1	42
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142	Ecophysiological Studies of Hormone-Behavior Relations in Birds: Future Challenges in a Changing World. <i>Journal of Experimental Biology</i> , 2017, 207, 321-345.		2
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144	Longevity extension of worker honey bees ( <i>Apis mellifera</i> ) by royal jelly: optimal dose and active ingredient. <i>PeerJ</i> , 2017, 5, e3118.	0.9	34
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146	Brain mitochondrial bioenergetics change with rapid and prolonged shifts in aggression in the honey bee, <i>Apis mellifera</i> . <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	18
147	Recent advances in reproductive biology of stingless bees. <i>Insectes Sociaux</i> , 2018, 65, 201-212.	0.7	37

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149	Beyond Royalactin and a master inducer explanation of phenotypic plasticity in honey bees. <i>Communications Biology</i> , 2018, 1, 8.	2.0	44
150	Identification and caste-dependent expression patterns of DNA methylation associated genes in <i>Bombus terrestris</i> . <i>Scientific Reports</i> , 2018, 8, 2332.	1.6	24
151	Building a new research framework for social evolution: intralocus caste antagonism. <i>Biological Reviews</i> , 2018, 93, 1251-1268.	4.7	18
152	Epigenetics of Longevity in Social Insects. , 2018, , 271-289.		2
154	Signatures of DNA Methylation across Insects Suggest Reduced DNA Methylation Levels in Holometabola. <i>Genome Biology and Evolution</i> , 2018, 10, 1185-1197.	1.1	100
155	A review on Royal Jelly proteins and peptides. <i>Journal of Functional Foods</i> , 2018, 44, 255-264.	1.6	96
156	Epigenetics, nutrition and mental health. Is there a relationship?. <i>Nutritional Neuroscience</i> , 2018, 21, 602-613.	1.5	25
157	Epigenetics in aquaculture – the last frontier. <i>Reviews in Aquaculture</i> , 2018, 10, 994-1013.	4.6	42
158	DNA methylation affects the lifespan of honey bee ( <i>Apis mellifera</i> L.) workers – Evidence for a regulatory module that involves vitellogenin expression but is independent of juvenile hormone function. <i>Insect Biochemistry and Molecular Biology</i> , 2018, 92, 21-29.	1.2	41
159	A molecular concept of caste in insect societies. <i>Current Opinion in Insect Science</i> , 2018, 25, 42-50.	2.2	19
160	Behavioral and genetic mechanisms of social evolution: insights from incipiently and facultatively social bees. <i>Apidologie</i> , 2018, 49, 13-30.	0.9	46
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