Noriyuki Satoh

List of Publications by Year
in descending order

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469 papers	27,378 citations	7551 77 h-index	11581 135 g-index
508 all docs	508 docs citations	508 times ranked	13469 citing authors

#	Article	IF	Citations
1	The Draft Genome of Ciona intestinalis: Insights into Chordate and Vertebrate Origins. Science, 2002, 298, 2157-2167.	6.0	1,539
2	The amphioxus genome and the evolution of the chordate karyotype. Nature, 2008, 453, 1064-1071.	13.7	1,496
3	Using the Acropora digitifera genome to understand coral responses to environmental change. Nature, 2011, 476, 320-323.	13.7	758
4	Draft Assembly of the Symbiodinium minutum Nuclear Genome Reveals Dinoflagellate Gene Structure. Current Biology, 2013, 23, 1399-1408.	1.8	488
5	The amphioxus genome illuminates vertebrate origins and cephalochordate biology. Genome Research, 2008, 18, 1100-1111.	2.4	456
6	A Large and Consistent Phylogenomic Dataset Supports Sponges as the Sister Group to All Other Animals. Current Biology, 2017, 27, 958-967.	1.8	423
7	Horizontal Gene Transfer from Diverse Bacteria to an Insect Genome Enables a Tripartite Nested Mealybug Symbiosis. Cell, 2013, 153, 1567-1578.	13.5	373
8	Gene expression profiles of transcription factors and signaling molecules in the ascidian embryo: towards a comprehensive understanding of gene networks. Development (Cambridge), 2004, 131, 4047-4058.	1.2	371
9	Regulatory Blueprint for a Chordate Embryo. Science, 2006, 312, 1183-1187.	6.0	368
10	Genomic analysis of immunity in a Urochordate and the emergence of the vertebrate immune system: â€œwaiting for Godotâ€• Immunogenetics, 2003, 55, 570-581.	1.2	278
11	Draft Genome of the Pearl Oyster Pinctada fucata: A Platform for Understanding Bivalve Biology. DNA Research, 2012, 19, 117-130.	1.5	266
12	Deeply conserved synteny resolves early events in vertebrate evolution. Nature Ecology and Evolution, 2020, 4, 820-830.	3.4	250
13	Axial patterning in cephalochordates and the evolution of the organizer. Nature, 2007, 445, 613-617.	13.7	242
14	A cDNA resource from the basal chordateCiona intestinalis. Genesis, 2002, 33, 153-154.	0.8	233
15	Hemichordate genomes and deuterostome origins. Nature, 2015, 527, 459-465.	13.7	217
16	The ascidian tadpole larva: comparative molecular development and genomics. Nature Reviews Genetics, 2003, 4, 285-295.	7.7	210
17	A New Spiralian Phylogeny Places the Enigmatic Arrow Worms among Gnathiferans. Current Biology, 2019, 29, 312-318.e3.	1.8	201
18	Function of vertebrate T gene. Nature, 1993, 364, 582-583.	13.7	198

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19	Ciona intestinalis Hox gene cluster: Its dispersed structure and residual colinear expression in development. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15118-15123.	3.3	192
20	Ciona intestinalis: an emerging model for whole-genome analyses. Trends in Genetics, 2003, 19, 376-381.	2.9	187
21	Cell lineage analysis in ascidian embryos by intracellular injection of a tracer enzyme. Developmental Biology, 1983, 99, 382-394.	0.9	186
22	Brachyury downstream notochord differentiation in the ascidian embryo. Genes and Development, 1999, 13, 1519-1523.	2.7	181
23	Identification and expression of the lampreyPax6gene: evolutionary origin of the segmented brain of vertebrates. Development (Cambridge), 2001, 128, 3521-3531.	1.2	176
24	An Integrated Database of the Ascidian, Ciona intestinalis: Towards Functional Genomics. Zoological Science, 2005, 22, 837-843.	0.3	173
25	Assembly of polymorphic genomes: Algorithms and application to Ciona savignyi. Genome Research, 2005, 15, 1127-1135.	2.4	170
26	Cell lineage analysis in ascidian embryos by intracellular injection of a tracer enzyme. Developmental Biology, 1985, 110, 440-454.	0.9	169
27	The Lingula genome provides insights into brachiopod evolution and the origin of phosphate biomineralization. Nature Communications, 2015, 6, 8301.	5.8	159
28	Gene expression profiles inCiona intestinalistailbud embryos. Development (Cambridge), 2001, 128, 2893-2904.	1.2	159
29	The crown-of-thorns starfish genome as a guide for biocontrol of this coral reef pest. Nature, 2017, 544, 231-234.	13.7	157
30	An Ascidian Homolog of the Mouse Brachyury (T) Gene is Expressed Exclusively in Notochord Cells at the Fate Restricted Stage. (Ascidians/T (Brachyury) gene/sequence conservation/notochord) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 297 T	2.6	152
31	Chasing tails in ascidians: developmental insights into the origin and evolution of chordates. Trends in Genetics, 1995, 11, 354-359.	2.9	150
32	The evolutionary origin of animal cellulose synthase. Development Genes and Evolution, 2004, 214, 81-88.	0.4	142
33	Characterization of Brachyury-Downstream Notochord Genes in the Ciona intestinalis Embryo. Developmental Biology, 2000, 224, 69-80.	0.9	140
34	A genomewide survey of developmentally relevant genes in Ciona intestinalis. Development Genes and Evolution, 2003, 213, 235-244.	0.4	138
35	Action of morpholinos inCiona embryos. Genesis, 2001, 30, 103-106.	0.8	136
36	Early embryonic expression ofFGF4/6/9gene and its role in the induction of mesenchyme and notochord inCiona savignyiembryos. Development (Cambridge), 2002, 129, 1729-1738.	1.2	134

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37	Ciona intestinalis cDNA projects: expressed sequence tag analyses and gene expression profiles during embryogenesis. Gene, 2002, 287, 83-96.	1.0	133
38	Bivalve-specific gene expansion in the pearl oyster genome: implications of adaptation to a sessile lifestyle. Zoological Letters, 2016, 2, 3.	0.7	133
39	Chordate evolution and the three-phylum system. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141729.	1.2	132
40	Determination and regulation in the pigment cell lineage of the ascidian embryo. Developmental Biology, 1989, 132, 355-367.	0.9	131
41	A genomewide survey of developmentally relevant genes in Ciona intestinalis. Development Genes and Evolution, 2003, 213, 222-234.	0.4	130
42	A genomewide survey of developmentally relevant genes in Ciona intestinalis. Development Genes and Evolution, 2003, 213, 213-221.	0.4	129
43	Obligate bacterial mutualists evolving from environmental bacteria in natural insect populations. Nature Microbiology, 2016, 1, 15011.	5.9	129
44	Small genome symbiont underlies cuticle hardness in beetles. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8382-E8391.	3.3	127
45	Conservation of the Developmental Role ofBrachyuryin Notochord Formation in a Urochordate, the AscidianHalocynthia roretzi. Developmental Biology, 1998, 200, 158-170.	0.9	124
46	The ascidian Mesp gene specifies heart precursor cells. Development (Cambridge), 2004, 131, 2533-2541.	1.2	122
47	Mitigating Anticipated Effects of Systematic Errors Supports Sister-Group Relationship between Xenacoelomorpha and Ambulacraria. Current Biology, 2019, 29, 1818-1826.e6.	1.8	120
48	Comparative genome sequencing reveals genomic signature of extreme desiccation tolerance in the anhydrobiotic midge. Nature Communications, 2014, 5, 4784.	5.8	118
49	Metabolic and physiological interdependencies in the Bathymodiolus azoricus symbiosis. ISME Journal, 2017, 11, 463-477.	4.4	116
50	Two divergent Symbiodinium genomes reveal conservation of a gene cluster for sunscreen biosynthesis and recently lost genes. BMC Genomics, 2018, 19, 458.	1.2	114
51	Germ-line transgenesis of the Tc1/mariner superfamily transposon Minos in Ciona intestinalis. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 7726-7730.	3.3	113
52	Development of Ciona intestinalis Juveniles (Through 2nd Ascidian Stage). Zoological Science, 2004, 21, 285-298.	0.3	113
53	Transposon-mediated insertional mutagenesis revealed the functions of animal cellulose synthase in the ascidian Ciona intestinalis. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15134-15139.	3.3	110
54	Neural Tube Is Partially Dorsalized by Overexpression ofHrPax-37:The Ascidian Homologue ofPax-3andPax-7. Developmental Biology, 1997, 187, 240-252.	0.9	109

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55	The Complex NOD-Like Receptor Repertoire of the Coral Acropora digitifera Includes Novel Domain Combinations. Molecular Biology and Evolution, 2013, 30, 167-176.	3.5	109
56	Ci-opsin1 , a vertebrate-type opsin gene, expressed in the larval ocellus of the ascidian Ciona intestinalis. FEBS Letters, 2001, 506, 69-72.	1.3	106
57	The ANISEED database: Digital representation, formalization, and elucidation of a chordate developmental program. Genome Research, 2010, 20, 1459-1468.	2.4	105
58	Multiple functions of a Zic-like gene in the differentiation of notochord, central nervous system and muscle inCiona savignyiembryos. Development (Cambridge), 2002, 129, 2723-2732.	1.2	104
59	C6-Like and C3-Like Molecules from the Cephalochordate, Amphioxus, Suggest a Cytolytic Complement System in Invertebrates. Journal of Molecular Evolution, 2002, 54, 671-679.	0.8	103
60	Piecing together evolution of the vertebrate endocrine system. Trends in Genetics, 2004, 20, 359-366.	2.9	100
61	An essential role of aFoxDgene in notochord induction inCionaembryos. Development (Cambridge), 2002, 129, 3441-3453.	1.2	100
62	Novel pattern of Brachyury gene expression in hemichordate embryos. Mechanisms of Development, 1998, 75, 139-143.	1.7	99
63	Gene Expression Profiles in Tadpole Larvae of Ciona intestinalis. Developmental Biology, 2002, 242, 188-203.	0.9	99
64	Gene expression profiles in young adult Ciona intestinalis. Development Genes and Evolution, 2002, 212, 173-185.	0.4	99
65	A genomewide survey of developmentally relevant genes in Ciona intestinalis. Development Genes and Evolution, 2003, 213, 303-313.	0.4	99
66	Nemertean and phoronid genomes reveal lophotrochozoan evolution and the origin of bilaterian heads. Nature Ecology and Evolution, 2018, 2, 141-151.	3.4	98
67	The Global Invertebrate Genomics Alliance (GIGA): Developing Community Resources to Study Diverse Invertebrate Genomes. Journal of Heredity, 2014, 105, 1-18.	1.0	96
68	Ascidian homologs of mammalian thyroid peroxidase genes are expressed in the thyroid-equivalent region of the endostyle. , 1999, 285, 158-169.		94
69	Medusozoan genomes inform the evolution of the jellyfish body plan. Nature Ecology and Evolution, 2019, 3, 811-822.	3.4	94
70	Early embryonic expression of a LIM-homeobox geneCs-lhx3is downstream of Î²-catenin and responsible for the endoderm differentiation inCiona savignyiembryos. Development (Cambridge), 2001, 128, 3559-3570.	1.2	93
71	Comprehensive analysis of the ascidian genome reveals novel insights into the molecular evolution of ion channel genes. Physiological Genomics, 2005, 22, 269-282.	1.0	91
72	Trunk lateral cells are neural crest-like cells in the ascidian Ciona intestinalis: Insights into the ancestry and evolution of the neural crest. Developmental Biology, 2008, 324, 152-160.	0.9	90

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73	The Mitochondrial Genome of the Hemichordate Balanoglossus carnosus and the Evolution of Deuterostome Mitochondria. Genetics, 1998, 150, 1115-1123.	1.2	90
74	The ancestral gene repertoire of animal stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E7093-100.	3.3	88
75	The transcriptomic response of the coral Acropora digitifera to a competent Symbiodinium strain: the symbiosome as an arrested early phagosome. Molecular Ecology, 2016, 25, 3127-3141.	2.0	88
76	Patterning the protochordate neural tube. Current Opinion in Neurobiology, 2001, 11, 16-21.	2.0	87
77	A genomewide survey of developmentally relevant genes in Ciona intestinalis. Development Genes and Evolution, 2003, 213, 264-272.	0.4	87
78	Domain shuffling and the evolution of vertebrates. Genome Research, 2009, 19, 1393-1403.	2.4	86
79	Ependymal cells of chordate larvae are stem-like cells that form the adult nervous system. Nature, 2011, 469, 525-528.	13.7	85
80	Pattern of Brachyury gene expression in starfish embryos resembles that of hemichordate embryos but not of sea urchin embryos. Mechanisms of Development, 1999, 82, 185-189.	1.7	84
81	A zinc finger transcription factor, ZicL, is a direct activator of Brachyury in the notochord specification of Ciona intestinalis. Development (Cambridge), 2004, 131, 1279-1288.	1.2	84
82	Timing of initiation of muscle-specific gene expression in the ascidian embryo precedes that of developmental fate restriction in lineage cells. Development Growth and Differentiation, 1995, 37, 319-327.	0.6	83
83	Unprecedented Cyclization Catalyzed by a Cytochrome P450 in Benzastatin Biosynthesis. Journal of the American Chemical Society, 2018, 140, 6631-6639.	6.6	82
84	posterior end mark 2 (pem-2),pem-4,pem-5, andpem-6: Maternal Genes with Localized mRNA in the Ascidian Embryo. Developmental Biology, 1997, 192, 467-481.	0.9	81
85	Molecular evolution of fibrillar collagen in chordates, with implications for the evolution of vertebrate skeletons and chordate phylogeny. Evolution & Development, 2006, 8, 370-377.	1.1	81
86	Culture ofCiona intestinalisin closed systems. Developmental Dynamics, 2007, 236, 1832-1840.	0.8	81
87	A Nearly Complete Genome of Ciona intestinalis Type A (C.Ârobusta) Reveals the Contribution of Inversion to Chromosomal Evolution in the Genus Ciona. Genome Biology and Evolution, 2019, 11, 3144-3157.	1.1	81
88	Developmental expression of the hemichordate otx ortholog. Mechanisms of Development, 2000, 91, 337-339.	1.7	80
89	Molecular studies of hemichordate development: a key to understanding the evolution of bilateral animals and chordates. Evolution & Development, 2001, 3, 443-454.	1.1	79
90	Origin of patterning in neural tubes. Nature, 1996, 384, 123-123.	13.7	78

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91	Tachykinin and Tachykinin Receptor of an Ascidian, Ciona intestinalis. Journal of Biological Chemistry, 2004, 279, 53798-53805.	1.6	77
92	Fgf genes in the basal chordate Ciona intestinalis. Development Genes and Evolution, 2002, 212, 432-438.	0.4	75
93	Eighteen Coral Genomes Reveal the Evolutionary Origin of Acropora Strategies to Accommodate Environmental Changes. Molecular Biology and Evolution, 2021, 38, 16-30.	3.5	75
94	Profiles of Maternally Expressed Genes in Fertilized Eggs of Ciona intestinalis. Developmental Biology, 2001, 238, 315-331.	0.9	74
95	Timing Mechanisms in Early Embryonic Development. Differentiation, 1982, 22, 156-163.	1.0	73
96	A draft genome of the brown alga,Cladosiphon okamuranus, S-strain: a platform for future studies of â€˜mozukuâ€™ biology. DNA Research, 2016, 23, 561-570.	1.5	73
97	How was the notochord born?. Evolution & Development, 2012, 14, 56-75.	1.1	72
98	'METACHRONOUS' CLEAVAGE AND INITIATION OF GASTRULATION IN AMPHIBIAN EMBRYOS. Development Growth and Differentiation, 1977, 19, 111-117.	0.6	71
99	The Diversity of Shell Matrix Proteins: Genome-Wide Investigation of the Pearl Oyster, Pinctada fucata. Zoological Science, 2013, 30, 801.	0.3	71
100	ERK- and JNK-signalling regulate gene networks that stimulate metamorphosis and apoptosis in tail tissues of ascidian tadpoles. Development (Cambridge), 2007, 134, 1203-1219.	1.2	70
101	Gene expression profiles in Ciona intestinalis cleavage-stage embryos. Mechanisms of Development, 2002, 112, 115-127.	1.7	69
102	A genomewide survey of developmentally relevant genes in Ciona intestinalis. Development Genes and Evolution, 2003, 213, 245-253.	0.4	69
103	Pax1/Pax9-Related Genes in an Agnathan Vertebrate, Lampetra japonica: Expression Pattern of LjPax9 Implies Sequential Evolutionary Events toward the Gnathostome Body Plan. Developmental Biology, 2000, 223, 399-410.	0.9	68
104	Massive Gene Transfer and Extensive RNA Editing of a Symbiotic Dinoflagellate Plastid Genome. Genome Biology and Evolution, 2014, 6, 1408-1422.	1.1	68
105	macho-1-related genes in Ciona embryos. Development Genes and Evolution, 2002, 212, 87-92.	0.4	66
106	A genomewide survey of developmentally relevant genes in Ciona intestinalis. Development Genes and Evolution, 2003, 213, 254-263.	0.4	66
107	Ci-Tbx6b and Ci-Tbx6c are key mediators of the maternal effect gene Ci-macho1 in muscle cell differentiation in Ciona intestinalis embryos. Developmental Biology, 2005, 282, 535-549.	0.9	65
108	The Roles of Introgression and Climate Change in the Rise to Dominance of Acropora Corals. Current Biology, 2018, 28, 3373-3382.e5.	1.8	65

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109	Chitin-based barrier immunity and its loss predated mucus-colonization by indigenous gut microbiota. Nature Communications, 2018, 9, 3402.	5.8	65
110	Ascidian embryos as a model system to analyze expression and function of developmental genes. Differentiation, 2001, 68, 1-12.	1.0	64
111	Group BSoxGenes That Contribute to Specification of the Vertebrate Brain are Expressed in the Apical Organ and Ciliary Bands of Hemichordate Larvae. Zoological Science, 2002, 19, 57-66.	0.3	64
112	The invertebrate ancestry of endocannabinoid signalling: an orthologue of vertebrate cannabinoid receptors in the urochordate Ciona intestinalis. Gene, 2003, 302, 95-101.	1.0	64
113	Morpholino-based gene knockdown screen of novel genes with developmental function in Ciona intestinalis. Development (Cambridge), 2003, 130, 6485-6495.	1.2	64
114	Coordination of mitosis and morphogenesis: role of a prolonged G2 phase during chordate neurulation. Development (Cambridge), 2011, 138, 577-587.	1.2	64
115	Ancient origin of mast cells. Biochemical and Biophysical Research Communications, 2014, 451, 314-318.	1.0	64
116	Expression ofThyroid transcription factor-1 (TTF-1) gene in the ventral forebrain and endostyle of the agnathan vertebrate,Lampetra japonica. Genesis, 2001, 30, 51-58.	0.8	63
117	Expression of hedgehog genes in Ciona intestinalis embryos. Mechanisms of Development, 2002, 116, 235-238.	1.7	63
118	A Twist-like bHLH gene is a downstream factor of an endogenous FGF and determines mesenchymal fate in the ascidian embryos. Development (Cambridge), 2003, 130, 4461-4472.	1.2	62
119	Identification of downstream genes of the ascidian muscle determinant gene Ci-macho1. Developmental Biology, 2004, 274, 478-489.	0.9	62
120	Genomic overview of mRNA 5'-leader trans-splicing in the ascidian Ciona intestinalis. Nucleic Acids Research, 2006, 34, 3378-3388.	6.5	62
121	Field identification of â€˜typesâ€™ A and B of the ascidian Ciona intestinalis in a region of sympatry. Marine Biology, 2012, 159, 1611-1619.	0.7	62
122	Genomic cis-regulatory networks in the early Ciona intestinalis embryo. Development (Cambridge), 2010, 137, 1613-1623.	1.2	61
123	Stepwise Evolution of Coral Biomineralization Revealed with Genome-Wide Proteomics and Transcriptomics. PLoS ONE, 2016, 11, e0156424.	1.1	61
124	Large scale EST analyses in Ciona intestinalis. Development Genes and Evolution, 2003, 213, 314-318.	0.4	60
125	Three distinct lineages of mesenchymal cells in Ciona intestinalis embryos demonstrated by specific gene expression. Developmental Biology, 2004, 274, 211-224.	0.9	60
126	Microarray analysis of localization of maternal transcripts in eggs and early embryos of the ascidian, Ciona intestinalis. Developmental Biology, 2005, 284, 536-550.	0.9	60

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127	Gene expression profile during the life cycle of the urochordate Ciona intestinalis. Developmental Biology, 2007, 308, 572-582.	0.9	60
128	T-brainhomologue (HpTb) is involved in the archenteron induction signals of micromere descendant cells in the sea urchin embryo. Development (Cambridge), 2002, 129, 5205-5216.	1.2	60
129	Expression of AMD 1, a gene for a MyoD 1-related factor in the ascidian Halocynthia roretzi. Roux's Archives of Developmental Biology, 1994, 203, 320-327.	1.2	59
130	Coexpression and Promoter Function in Two Muscle Actin Gene Complexes of Different Structural Organization in the Ascidian Halocynthia roretzi. Developmental Biology, 1995, 169, 461-472.	0.9	59
131	T-box genes in the ascidianCiona intestinalis: Characterization of cDNAs and spatial expression. Developmental Dynamics, 2004, 230, 743-753.	0.8	59
132	Phylogenetic relationships among extant classes of echinoderms, as inferred from sequences of 18S rDNA, coincide with relationships deduced from the fossil record. Journal of Molecular Evolution, 1994, 38, 41-9.	0.8	58
133	A Novel Biological Role of Tachykinins as an Up-Regulator of Oocyte Growth: Identification of an Evolutionary Origin of Tachykininergic Functions in the Ovary of the Ascidian, Ciona intestinalis. Endocrinology, 2008, 149, 4346-4356.	1.4	58
134	The habu genome reveals accelerated evolution of venom protein genes. Scientific Reports, 2018, 8, 11300.	1.6	58
135	Autonomy of ascidian fork head/HNF-3 gene expression. Mechanisms of Development, 1997, 69, 143-154.	1.7	57
136	Molecular Characterization of Radial Spoke Subcomplex Containing Radial Spoke Protein 3 and Heat Shock Protein 40 in Sperm Flagella of the AscidianCiona intestinalis. Molecular Biology of the Cell, 2005, 16, 626-636.	0.9	57
137	brachyurynull mutant-induced defects in juvenile ascidian endodermal organs. Development (Cambridge), 2009, 136, 35-39.	1.2	57
138	Delineating metamorphic pathways in the ascidian Ciona intestinalis. Developmental Biology, 2009, 326, 357-367.	0.9	57
139	Genome-wide SNP analysis explains coral diversity and recovery in the Ryukyu Archipelago. Scientific Reports, 2016, 5, 18211.	1.6	57
140	Temporal expression patterns of 39 Brachyury-downstream genes associated with notochord formation in the Ciona intestinalis embryo. Development Growth and Differentiation, 1999, 41, 657-664.	0.6	56
141	Deciphering the nature of the coralâ€“Chromera association. ISME Journal, 2018, 12, 776-790.	4.4	56
142	Early Evolution of the Metazoa and Phylogenetic Status of Diploblasts as Inferred from Amino Acid Sequence of Elongation Factor-1Î±. Molecular Phylogenetics and Evolution, 1996, 5, 414-422.	1.2	55
143	Retinoic acid affects gene expression and morphogenesis without upregulating the retinoic acid receptor in the ascidian Ciona intestinalis. Mechanisms of Development, 2003, 120, 363-372.	1.7	55
144	A cDNA resource for the cephalochordate amphioxus Branchiostoma floridae. Development Genes and Evolution, 2008, 218, 723-727.	0.4	55

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145	T-brain expression in the apical organ of hemichordate tornaria larvae suggests its evolutionary link to the vertebrate forebrain. , 2000, 288, 23-31.		54
146	Genes Expressed in the Amphioxus Notochord Revealed by EST Analysis. Developmental Biology, 2000, 224, 168-177.	0.9	54
147	Hemocytes of Ciona intestinalis express multiple genes involved in innate immune host defense. Biochemical and Biophysical Research Communications, 2003, 302, 207-218.	1.0	54
148	Conserved Expression Pattern ofBMP-2/4in Hemichordate Acorn Worm and Echinoderm Sea Cucumber Embryos. Zoological Science, 2002, 19, 1113-1121.	0.3	53
149	Brachyuryâ€downstream gene sets in a chordate, Ciona intestinalis: integrating notochord specification, morphogenesis and chordate evolution. Evolution & Development, 2008, 10, 37-51.	1.1	53
150	Expression of epidermis-specific antigens during embryogenesis of the ascidian, Halocynthia roretzi. Developmental Biology, 1987, 121, 408-416.	0.9	52
151	Tunicate muscle actin genes. Journal of Molecular Biology, 1992, 227, 955-960.	2.0	51
152	Early development of amphioxus nervous system with special reference to segmental cell organization and putative sensory cell precursors: A study based on the expression of pan-neuronal marker geneHu/elav. The Journal of Experimental Zoology, 2001, 291, 354-364.	1.4	51
153	Expression pattern of theBrachyury gene in the arrow wormparaspadella gotoi (chaetognatha). Genesis, 2002, 32, 240-245.	0.8	51
154	EST analysis of gene expression in testis of the ascidianCiona intestinalis. Molecular Reproduction and Development, 2002, 62, 431-445.	1.0	51
155	The Mesoderm-Forming Gene brachyury Regulates Ectoderm-Endoderm Demarcation in the Coral Acropora digitifera. Current Biology, 2016, 26, 2885-2892.	1.8	51
156	CELLULAR MORPHOLOGY AND ARCHITECTURE DURING EARLY MORPHOGENESIS OF THE ASCIDIAN EGG : AN SEM STUDY. Biological Bulletin, 1978, 155, 608-614.	0.7	50
157	Mechanism of an Evolutionary Change in Muscle Cell Differentiation in Ascidians with Different Modes of Development. Developmental Biology, 1996, 174, 379-392.	0.9	50
158	Systematic analysis of embryonic expression profiles of zinc finger genes in Ciona intestinalis. Developmental Biology, 2006, 292, 546-554.	0.9	50
159	Abundant toxin-related genes in the genomes of beneficial symbionts from deep-sea hydrothermal vent mussels. ELife, 2015, 4, e07966.	2.8	50
160	Evolution of Chordate Actin Genes: Evidence from Genomic Organization and Amino Acid Sequences. Journal of Molecular Evolution, 1997, 44, 289-298.	0.8	49
161	A genomewide survey of developmentally relevant genes in Ciona intestinalis. Development Genes and Evolution, 2003, 213, 291-302.	0.4	49
162	Limited functions of Hox genes in the larval development of the ascidian Ciona intestinalis. Development (Cambridge), 2010, 137, 1505-1513.	1.2	49

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163	Retinoic acid-driven Hox1 is required in the epidermis for forming the otic/atrial placodes during ascidian metamorphosis. Development (Cambridge), 2012, 139, 2156-2160.	1.2	48
164	Metabolic co-dependence drives the evolutionarily ancient Hydraâ€“Chlorella symbiosis. ELife, 2018, 7, .	2.8	47
165	Short Upstream Sequences Associated with the Muscle-Specific Expression of an Actin Gene in Ascidian Embryos. Developmental Biology, 1994, 166, 763-769.	0.9	45
166	The Ascidian Genome Contains Another T-Domain Gene That Is Expressed in Differentiating Muscle and the Tip of the Tail of the Embryo. Developmental Biology, 1996, 180, 773-779.	0.9	45
167	Mitochondrial rDNA Phylogeny of the Asteroidea Suggests the Primitiveness of the Paxillosida. Molecular Phylogenetics and Evolution, 1996, 6, 97-106.	1.2	45
168	Chromosomal mapping of 170 BAC clones in the ascidian Ciona intestinalis. Genome Research, 2005, 16, 297-303.	2.4	45
169	Studies on the Cytoplasmic Determinant for Muscle Cell Differentiation in Ascidian Embryos: An Attempt at Transplantation of the Myoplasm. (ascidian embryos/morphogenetic determinant/muscle) Tj ETQq1 1 0.784314 rgBT /Ove Growth and Differentiation, 1984, 26, 43-46.	0.6	44
170	An enhancer trap in the ascidian Ciona intestinalis identifies enhancers of its Musashi orthologous gene. Developmental Biology, 2004, 275, 459-472.	0.9	44
171	Autonomous muscle cell differentiation in partial ascidian embryos according to the newly verified cell lineages. Developmental Biology, 1984, 104, 322-328.	0.9	43
172	Functional and structural characterization of hemocytes of the solitary ascidian,Halocynthia roretzi. The Journal of Experimental Zoology, 1993, 265, 309-316.	1.4	43
173	Region specific gene expressions in the central nervous system of the ascidian embryo. Mechanisms of Development, 2002, 119, S275-S277.	1.7	43
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