

Reprogrammable Recognition Codes in Bicoid Homeod

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Target Selectivity of Bicoid Is Dependent on Nonconsensus Site Recognition and Protein-Protein Interaction. <i>Molecular and Cellular Biology</i> , 2000, 20, 8112-8123.	1.1	32
2	Rapid restructuring of bicoid-dependent hunchback promoters within and between Dipteran species: implications for molecular coevolution. <i>Evolution & Development</i> , 2001, 3, 397-407.	1.1	87
3	Missense mutations of human homeoboxes: A review. <i>Human Mutation</i> , 2001, 18, 361-374.	1.1	60
4	Combinatorial interactions of two amino acids with a single base pair define target site specificity in plant dimeric homeodomain proteins. <i>Nucleic Acids Research</i> , 2001, 29, 4866-4872.	6.5	36
5	Pitx2 Regulates Procollagen Lysyl Hydroxylase (Plod) Gene Expression. <i>Journal of Cell Biology</i> , 2001, 152, 545-552.	2.3	78
6	Identification of a Dominant Negative Homeodomain Mutation in Rieger Syndrome. <i>Journal of Biological Chemistry</i> , 2001, 276, 23034-23041.	1.6	82
7	A single Hox3 gene with composite bicoid and zerknullt expression characteristics in non-Cyclorrhaphan flies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 274-279.	3.3	180
8	Pitx2a Expression Alters Actin-Myosin Cytoskeleton and Migration of HeLa Cells through Rho GTPase Signaling. <i>Molecular Biology of the Cell</i> , 2002, 13, 683-697.	0.9	60
9	Regulation of Prolactin, GH, and Pit-1 Gene Expression in Anterior Pituitary by Pitx2: An Approach Using Pitx2 Mutants. <i>Endocrinology</i> , 2002, 143, 2839-2851.	1.4	43
10	Coevolution in bicoid-dependent promoters and the inception of regulatory incompatibilities among species of higher Diptera. <i>Evolution & Development</i> , 2002, 4, 265-277.	1.1	76
11	Genetic dissection of Pitx2 in craniofacial development uncovers new functions in branchial arch morphogenesis, late aspects of tooth morphogenesis and cell migration. <i>Development (Cambridge)</i> , 2003, 130, 6375-6385.	1.2	137
12	Dlx proteins position the neural plate border and determine adjacent cell fates. <i>Development (Cambridge)</i> , 2003, 130, 331-342.	1.2	106
13	Enhancer Sequences Influence the Role of the Amino-Terminal Domain of Bicoid in Transcription. <i>Molecular and Cellular Biology</i> , 2003, 23, 4439-4448.	1.1	14
14	Site-directed mutagenesis and footprinting analysis of the interaction of the sunflower KNOX protein HAKN1 with DNA. <i>FEBS Journal</i> , 2004, 272, 190-202.	2.2	15
15	Nuclear Factor of Activated T Cells Regulates Transcription of the Surfactant Protein D Gene (Sftpd) via Direct Interaction with Thyroid Transcription Factor-1 in Lung Epithelial Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 34578-34588.	1.6	56
16	A kinetic mechanism for <i>Drosophila</i> bicoid cooperative binding. <i>Journal of Theoretical Biology</i> , 2005, 235, 185-198.	0.8	13
17	Pax3 target gene recognition occurs through distinct modes that are differentially affected by disease-associated mutations. <i>Pigment Cell & Melanoma Research</i> , 2005, 18, 051012082332001.	4.0	16
18	How to get ahead: the origin, evolution and function of bicoid. <i>BioEssays</i> , 2005, 27, 904-913.	1.2	74

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19	Solution Structure of the K50 Class Homeodomain PITX2 Bound to DNA and Implications for Mutations That Cause Rieger Syndrome. <i>Biochemistry</i> , 2005, 44, 7497-7511.	1.2	47
20	The Solution Structure of the Native K50 Bicoid Homeodomain Bound to the Consensus TAATCC DNA-binding Site. <i>Journal of Molecular Biology</i> , 2006, 356, 1137-1151.	2.0	46
21	Smad3 and Pitx2 cooperate in stimulation of FSH β gene transcription. <i>Molecular and Cellular Endocrinology</i> , 2008, 281, 27-36.	1.6	22
22	Analysis of Homeodomain Specificities Allows the Family-wide Prediction of Preferred Recognition Sites. <i>Cell</i> , 2008, 133, 1277-1289.	13.5	401
23	Paired-Like Homeodomain Transcription Factors 1 and 2 Regulate Follicle-Stimulating Hormone β -Subunit Transcription through a Conserved cis-Element. <i>Endocrinology</i> , 2008, 149, 3095-3108.	1.4	35
24	OTX5 Regulates Pineal Expression of the Zebrafish REV-ERB β through a New DNA Binding Site. <i>Molecular Endocrinology</i> , 2008, 22, 23-32.	3.7	7
25	Structural and Biophysical Insights into the Ligand-Free Pitx2 Homeodomain and a Ring Dermoid of the Cornea Inducing Homeodomain Mutant. <i>Biochemistry</i> , 2012, 51, 665-676.	1.2	7
26	Evolution of homeobox genes. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2013, 2, 31-45.	5.9	232
27	Pitx3 directly regulates Foxe3 during early lens development. <i>International Journal of Developmental Biology</i> , 2013, 57, 741-751.	0.3	27
28	Identification of a novel frameshift mutation in PITX2 gene in a Chinese family with Axenfeld-Rieger syndrome. <i>Journal of Zhejiang University: Science B</i> , 2014, 15, 43-50.	1.3	13
29	Probing the impact of temperature on molecular events in a developmental system. <i>Scientific Reports</i> , 2015, 5, 13124.	1.6	13
30	Identification of the GTPase-activating protein DEP domain containing 1B (DEPDC1B) as a transcriptional target of Pitx2. <i>Experimental Cell Research</i> , 2015, 333, 80-92.	1.2	14
31	The Functionality and Evolution of Eukaryotic Transcriptional Enhancers. <i>Advances in Genetics</i> , 2016, 96, 143-206.	0.8	27
32	Structure and Evolution of Plant Homeobox Genes. , 2016, , 101-112.		8
33	Conformational Heterogeneity and DNA Recognition by the Morphogen Bicoid. <i>Biochemistry</i> , 2017, 56, 2787-2793.	1.2	8
34	Lysine Side-Chain Dynamics in the Binding Site of Homeodomain/DNA Complexes As Observed by NMR Relaxation Experiments and Molecular Dynamics Simulations. <i>Biochemistry</i> , 2018, 57, 2796-2813.	1.2	11
35	Phylogenetic and mutational analyses of human LEUTX, a homeobox gene implicated in embryogenesis. <i>Scientific Reports</i> , 2018, 8, 17421.	1.6	17
37	The activity of the <i>Drosophila</i> morphogenetic protein Bicoid is inhibited by a domain located outside its homeodomain. <i>Development (Cambridge)</i> , 2002, 129, 1669-1680.	1.2	38

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38	Ancient mechanisms for the evolution of the bicoid homeodomain's function in fly development. <i>ELife</i> , 2018, 7, .	2.8	28
39	Dissecting the sharp response of a canonical developmental enhancer reveals multiple sources of cooperativity. <i>ELife</i> , 2019, 8, .	2.8	47
40	Site-directed mutagenesis and footprinting analysis of the interaction of the sunflower KNOX protein HAKN1 with DNA. <i>FEBS Journal</i> , 2005, 272, 190-202.	2.2	7
41	A novel PITX2 mutation in a Chinese family with Axenfeld-Rieger syndrome. <i>Molecular Vision</i> , 2008, 14, 2205-10.	1.1	7