

<<家蚕基因组研究2008-2009>>

图书基本信息

书名：<<家蚕基因组研究2008-2009>>

13位ISBN编号：9787562151869

10位ISBN编号：7562151865

出版时间：2011-5

出版时间：西南师范大学出版社

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页数：825

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内容概要

《家蚕基因组研究（2008-2009）（套装上下册）》更多地集中于一些关键基因的功能研究和调控机制分析等方面，研究水平和深度都有很大的进步。

《家蚕基因组研究（2008-2009）（套装上下册）》还收集了大量有关家蚕重要突变、重要生理生化过程、人工选择与进化、家蚕重要病原微生物基因组和家蚕遗传素材创新等方面的研究论文，也总体上反映了我国家蚕基础研究的整体实力和水平。

书籍目录

Complete resequencing of 40 genomes reveals domestication events and genes in silkworm(*Bombyx*)SilkDB v2. 0. a platform for silkworm (*Bombyxmori*) genome biologyEditorial. silkworm genomeThe genome of a lepidopteran model insect, the silkworm *Bombyxmori*Aligning the proteome and genome of the silkworm, *Bombyx mori*KAIKObase. An integrated silkworm genome database and data mining toolThe odorant binding protein gene family from the genome of silkworm, *Bombyxmori* ""Annotation and expression of carboxylesterasesin the silkworm, *Bombyxmori*The small heat shock protein (sHSP) genes in the silkworm, *Bombyx mori*, and comparative analysis with other insect sHSP genesThe UDP-glucosyltransferase multigene family in *Bombyx mori*Identification and analysis of Toll-related genes in the domesticated silkworm, *Bombyx mori*Immunoglobulin superfamily is conserved but evolved rapidly and is active in the silkworm, *Bombyx mori*上册Species-specific expansion of C2H2 zinc-finger genes and their expression profile in silkworm, *Bombyx mori*Nuclear receptors in *Bombyxmori*. insights into genomic structure and developmental expressionA genomewide survey of homeobox genes and identification of novel structure of the Hox cluster in the silkworm, *Bombyx mori*Identification, genomic organization and expression pattern of glutathione S-transferase in the silkworm, *Bombyx mori*A genome-wide survey for host response of silkworm, *Bombyx mori* during pathogen *Bacillus bombyseptieus* infectionDosage analysis of Z chromosome genes using microarray in silkworm, *Bombyx mori*BmHrp28 is a RNA-binding protein that binds to the female-specific exon 4 of *Bombyx mori* dax pre-mRNAIdentification and function of Abdominal-A in the silkworm, *Bombyx mori*Identification and expression of the achaete-scute complex in the silkworm, *Bombyx mori*Cathepsin B protease is required for metamorphosis in silkworm, *Bombyx mori*Reference genes identified in the silkworm *Bombyx mori* during metamorphosis based on oligonucleotide microarray and confirmed by qRT-PCR下册Characterization of the mitochondrial genome of the Chinese wild mulberry silkworm, *Bombyx mandarina* (Lepidoptera.. Bombycidae)Identification of a novel spore wall protein (SWP26) from microsporidia *Nosema bombycis*.SWP25, a novel protein associated with the *Nosema bombycis* endosporeProteomic analysis of spore wall proteins and identification of two spore wall proteins from *Nosema bombycis* (Microsporidia)Multiple rDNA units distributed on all chromosomes of *Nosema bombycis*Identification and comparative analysis of immune-related genes and signaling pathways in the silkworm, *Bombyx mori*An analysis to expressed sequence tags from the gonads of *Bombyx mori* larvaeMitochondrial pyruvate dehydrogenase E1 of *Nosema bombycis*: a marker in microsporidian evolutionHistopathological characteristics of a densovirus-like from silkworm, *Bombyx mori*家蚕27、28号染色体基因的生物信息学分析家蚕表皮蛋白基因的生物信息学分析转植酸酶基因家蚕的制作及表达检测家蚕转基因技术中若干因素对转基因效率的影响人脑源性神经营养因子基因(hBDNF)在转基因家蚕丝腺中的特异表达利用转基因RNA干涉提高家蚕对BmNPV的抗性初探一种新的家蚕体形突变体——短体蚕(Sq)的遗传分析与基因定位家蚕体形突变新缙蚕(co-n)的遗传分析与基因定位研究家蚕新突变楔形眼纹(Wes)的遗传与基因定位研究家蚕体形突变第2数珠蚕(mf-2)的遗传学研究家蚕心形眼纹(ces)的遗传与基因定位研究家蚕突变型第2煤色(so2)的遗传学研究家蚕体液低分子蛋白Apolipoporphin 的质谱鉴定及表达分析家蚕5龄第3天血液蛋白的双向电泳及质谱分析家蚕蛹七天卵巢组织蛋白质标准图谱的构建家蚕细胞色素C基因的克隆及其蛋白在家蚕凋亡细胞中的释放家蚕先天免疫基因Bmimd的克隆、表达及序列分析家蚕CyPA基因的克隆、表达谱及进化分析家蚕P450基因CyP18A1的克隆、序列分析及转录活性研究家蚕表皮基因BmGCP2的克隆及表达谱分析家蚕周期蛋白A基因(BmcyclinA)的克隆和表达谱分析家蚕尿酸氧化酶基因BmUo的克隆及序列分析与原核表达家蚕gapdh基因的克隆及分析阳离子脂质体转染家蚕培养细胞的技术体系研究家蚕血液对BmE-SWU1细胞凋亡的抑制作用TILLING技术应用于家蚕化学诱导突变检测的体系优化家蚕丝素轻链蛋白多克隆抗体的制备及应用重度感染家蚕微孢子虫的家蚕丝腺cDNA文库构建及EST测序分析家蚕微孢子虫丝氨酸蛋白酶抑制剂蛋白serPin基因NbSPN106的鉴定线粒体型蛋白Frataxin在家蚕微孢子虫中的鉴定与分析重庆地区家蚕微孢子虫遗传多态性分析家蚕微孢子虫孢壁蛋白与其发芽的相关性分析家蚕微孢子虫孢壁蛋白SWP25、SWP30、SWP32的表达谱分析家蚕微孢子虫细菌人工染色体文库的构建

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