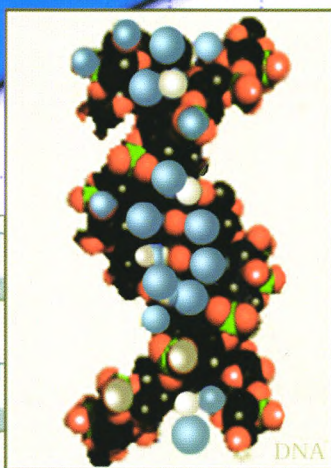


生物信息学

Chinese Journal of Bioinformatics

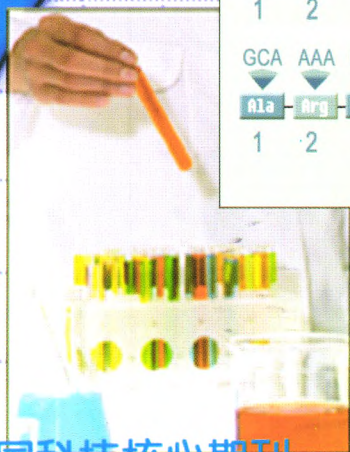
第 **1** 期

2013年3月



GCA	AGA	GAT	AAT		
Ala	Arg	Asp	Asn		
1	2	3	4		
GCA	AGA	GAT	AAT		
Ala	Arg	Asp	Asn		
1	2	3	4		
GCA	AAA	GAT	AAT	TGT	...
Ala	Arg	Asp	Asn	Cys	...
1	2	3	4	5	

遗传密码



■ 本刊为中国科技核心期刊

本刊被下列数据库收录:

中国期刊全文数据库 (CJFD)

中国核心期刊(遴选)数据库

中国学术期刊综合评价数据库 (CAJCED)

中国生物医学文献数据库 (SinoMed)

ISSN 1672-5565



哈尔滨工业大学主办

目 次

研究论文

- 基因网络相继故障机理分析 孙龙霄,王淑栋,李凯凯,孟大志(1)
- DNA 序列频繁近似模式挖掘 姜 华,孟志青,周克江(11)
- Profile-profile 比对方法用于发现远距离同源模板 邢龙生,李 娟,方慧生,陈凯先(16)
- Dehouck-Gilis-Rooman 统计势能函数的简化 陆文伟,黄日波,杜丽琴,韦宇拓(22)
- 影响因子(IF)即输即现快速查询的实现 闵 波,屈武斌,卢一鸣,张成岗(29)

综述

- 蛋白质功能预测方法概述 刘 言,沈素萍,方慧生,陈凯先(33)

研究快报

- 人腺病毒 B、D 亚种基因组中简单重复序列分析 田 优,谭钟扬,赵相艳,牛一乐,冯海平,欧阳清检(39)
- 基于结构的单链蛋白聚类图构建与分析 宋新蕊,李晓琴(44)
- 木质素生物合成酶 CCR 基因的生物信息学分析 陈 刚,徐秉良,白江平(50)
- 东方肉座菌 EU7-22 木聚糖酶和木糖苷酶基因克隆及生物信息学研究
..... 龙传南,蒋凤姣,邬小兵,刘 健,龙敏南(58)
- 家蝇小热休克蛋白(sHsp20.6)的生物信息学分析 李显航,刘红美(65)
- 基于 SVM 和平均影响值的人肿瘤信息基因提取 李凌波,张 静,陈 丹(72)

Chinese Journal of Bioinformatics

Vol. 11 No. 1 Mar. ,2013

Contents

Articles

- Analysis of cascading failure in gene networks
..... *SUN Long-xiao ,WANG Shu-dong ,LI Kai-kai ,MENG Da-zhi* (1)
- Discovery of frequent approximate patterns in Genomic DNA sequences
..... *JIANG Hua ,MENG Zhi-qing , ZHOU Ke-jiang* (11)
- Profile-profile alignment method for detection of distantly homologous template
..... *XING Long-sheng ,LI Juan ,FANG Hui-sheng ,CHEN Kai-xian*(16)
- Reduced representation of Dehouck-Gilis-Rooman potential function by selecting against decoy datasets
..... *LU Wen-wei ,HUANG Ri-bo ,DU Li-qin ,WEI Yu-tuo* (22)
- A web application for fast impact factor search in an input-as-a-show way
..... *MIN Bo , QU Wu-Bin ,LU Yi-Ming ,ZHANG Cheng-Gang*(29)

Reviews

- An Overview of protein function prediction methods
..... *LIU Yan ,SHEN Su-ping ,FANG Hui-sheng ,CHEN Kai-xian*(33)

Letters

- Analyses of simple sequence repeat in genomes of Human adenoviruses B and D subspecies
..... *TIAN You ,TAN Zhong-yang ,ZHAO Xiang-yan ,NIU Yi-le ,FENG Hai-ping ,OUYANG Qing-jian*(39)
- Clustering dendrograms construction and analysis of TIM-barrel proteins based on structure information
..... *SONG Xin-rui , LI Xiao-qin*(44)
- Bioinformatics analysis of CCR—one of the key enzymes mediated lignin biosynthesis in plants
..... *CHEN Gang ,XU Bing-liang ,BAI Jiang-ping*(50)
- Gene cloning and bioinformatics analysis of Xylanases and Xylosidase from *Hypocrea orientalis*
..... *LONG Chuan-nan ,JIANG Feng-jiao ,WU Xiao-bing ,LIU Jian ,LONG Min-nan*(58)
- Bioinformatic analysis of small heat shock protein (sHsp20.6) in *Musca Domestica L.*
..... *LI Xian-hang ,LIU Hong-mei*(65)
- Selection of human tumor information genes based on the support vector machine and mean impact value
..... *LI Ling-Bo , ZHANG Jing , CHEN Dan*(72)