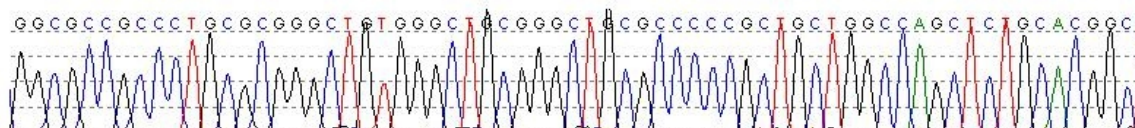




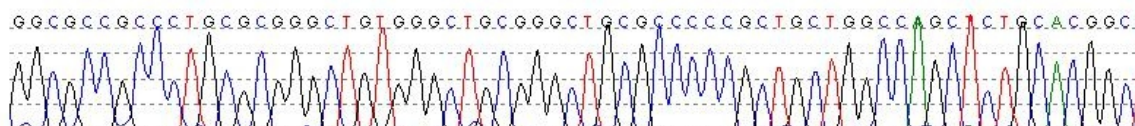
Open Journal of Genetics

(A) 10 minutes total denaturation

Forward

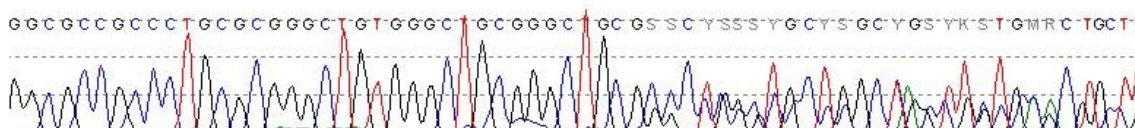


Reverse

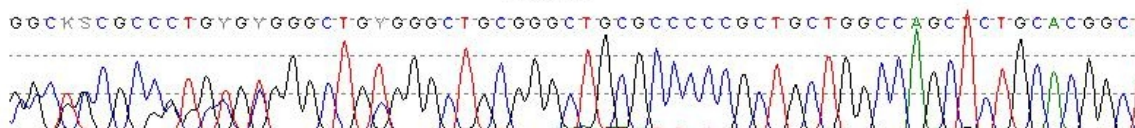


(B) 12 minutes total denaturation

Forward



Reverse



ISSN: 2162-4453



Journal Editorial Board

ISSN: 2162-4453 (Print)

ISSN: 2162-4461 (Online)

<http://www.scirp.org/journal/ojgen>

Editor-in-Chief

Prof. Benoît Chénais

Université du Maine, France

Editorial Board

Prof. Jinsong Bao

Zhejiang University, China

Dr. Gonzalo Blanco

University of York, UK

Prof. Yurov Yuri Boris

Russian Academy of Medical Sciences, Russia

Prof. Hassen Chaabani

University of Monastir, Tunisia

Dr. Craig E. Coleman

Brigham Young University, USA

Dr. Ming-Shun Chen

Kansas State University, USA

Dr. Philip D. Cotter

American College of Medical Genetics, USA

Dr. Clark Ford

Iowa State University, USA

Dr. Andreas Futschik

University of Vienna, Austria

Dr. Cenci Giovanni

University of L'Aquila, Italy

Dr. Tomonobu Hasegawa

Keio University School of Medicine, Japan

Dr. Karen Elise Heath

Hospital Universitario La Paz, Spain

Prof. Gregg E. Homanics

University of Pittsburgh, USA

Dr. Nilüfer Karadeniz

Ankara Training and Research Hospital, Germany

Prof. Presa Martínez

Universidad de Vigo, Spain

Dr. James Michael Mason

National Institute of Environmental Health Sciences, USA

Prof. Pratibha Nallari

Osmania University, India

Dr. Georges Nemer

American University of Beirut, Lebanon

Prof. Ettore Olmo

Università Politecnica delle Marche, Italy

Dr. Drewell A. Robert

Harvey Mudd College, Canada

Dr. Surasak Sangkhathat

Prince of Songkla University, Thailand

Prof. Bernd Schierwater

Yale University, USA

Prof. Genlou Sun

Saint Mary's University, Canada

Dr. Reshma Taneja

National University of Singapore, Singapore

Editorial Assistant

Joyce Yin

Scientific Research Publishing

Email: ojgen@scirp.org

TABLE OF CONTENTS
Volume 1, Number 2, September 2011

***PAH* mutational spectrum: still expanding**

L. Vilarinho, S. Esteves, E. Ramos, A. Amorim, L. Azevedo.....9

Different denaturation rates between methylated and non-methylated genomic DNA can result in allele-specific PCR amplification

D. J. Bunyan, H. M. S. Bullman, M. Lever, S. D. Saminathan, W. T. Keng, R. Araffin, D. O. Robinson.....13

Consequences of primer binding-sites polymorphisms on genotyping practice

E. M. Martins, L. Vilarinho, S. Esteves, M. Lopes-Marques, A. Amorim, L. Azevedo.....15

Wolbachia* induces sexual isolation in *Drosophila melanogaster* and *Drosophila simulans

N. I. Gazla, C. M. Carracedo.....18

The figure on the front cover is from the article published in Open Journal of Genetics, 2011, Vol. 1, No. 2, pp. 13-14, by David J. Bunyan, *et al.*

Open Journal of Genetics (OJGen)

Journal Information

SUBSCRIPTIONS

The *Advances in Molecular Imaging* (Online at Scientific Research Publishing, www.SciRP.org) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$39 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

Copyright©2011 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: ojgen@scirp.org



Open Journal of Genetics

ISSN: 2162-4453 (Print) ISSN: 2162-4461 (Online)

<http://www.scirp.org/journal/ojgen>

Editor-in-Chief

Prof. Benoît Chénais

Université du Maine, France

Editorial Board

Prof. Jinsong Bao

Dr. Gonzalo Blanco

Prof. Yurov Yuri Boris

Prof. Hassen Chaabani

Dr. Craig E. Coleman

Dr. Ming-Shun Chen

Dr. Philip D. Cotter

Dr. Clark Ford

Dr. Andreas Futschik

Dr. Cenci Giovanni

Dr. Tomonobu Hasegawa

Dr. Karen Elise Heath

Prof. Gregg E. Homanics

Dr. Nilüfer Karadeniz

Prof. Presa Martínez

Dr. James Michael Mason

Prof. Pratibha Nallari

Dr. Georges Nemer

Prof. Ettore Olmo

Dr. Drewell A. Robert

Dr. Surasak Sangkhathat

Prof. Bernd Schierwater

Prof. Genlou Sun

Dr. Reshma Taneja

Open Journal of Genetics (OJGen) is an international journal dedicated to the latest advancement of Genetics. The goal of this journal is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in different areas of Genetics. All manuscripts must be prepared in English, and are subject to a rigorous and fair peer-review process. Accepted papers will immediately appear online followed by printed hard copy. The journal publishes original papers including but not limited to the following fields:

- Behavioural genetics
- Classical genetics
- Conservation genetics
- Developmental genetics
- Ecological genetics
- Epigenetics
- Evolutionary genetics
- Genetic engineering
- Genetics of intelligence
- Genomics
- Human genetics
- Medical genetics
- Microbial genetics
- Molecular genetics
- Population genetics
- Psychiatric genetics
- Quantitative genetics
- Technical Tips and Improvement

We are also interested in: 1) Short Reports—2-5 page papers where an author can either present an idea with theoretical background but has not yet completed the research needed for a complete paper or preliminary data; 2) Book Reviews—Comments and critiques.

Website and E-Mail

<http://www.scirp.org/journal/ojgen>

E-mail: ojgen@scirp.org