## FORENSIC SOFTWARE RESOURCES

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The forensim package 🏰 the open source R statistical software is dedicated to ocensic DNA mixtures interpretation. It provides tools to simulate mixture cases, and analytical tours to inten-Haned (Lyon) Torben Tvedebrink's online mixture interpretation tool

If http://forensim.r-forge.r-pr

Recently, a paper has been initiative for the evaluation c 2010 (in press) DOI Link

MixtureCalc v1.2 (Breew

oterpretation of mixtures ba using uata norn an exported

Authority - submitted by Ber

in Forensic Genetics - June :

MixtureCalc v1 2 Excel sh

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Standard Operation I

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publications on population genetics, mi Mixture Analysis: >> freeware solution to aid the interpretation of mixtures using including drop-out events. He has cre peak height / or area information using an Excel spreadsheet (Copyright P.D. Gill, been designed to deconvolute 2-person Glasgow) described in his thesis (link as above) as

Evaluating the weight of evidence data in DNA mixtures. T. Tvedebrink

Identifying contributors of DNA mixtu STR typing. T. Tvedebrink, PS Erik: of Computational Biology (in press) (

package: "mixsep". The package

Torben Tvedebrink's thesis contail

Applied Statistics 59(5): 855-874

30.11.2010: Torben's mixture separatio project org/web/packages/mixsep/ incluc

David Balding's software described in

Excel sheet

PDF Documentation

Balding DJ, Buckleton J, Interpreting low template DNA profiles FSI Genetics, 4: 1-10, 2009 PDOI Link

Bruce Weir's DNA mixture calculation

DNAMIX is a semputer organizate that will Curran JM, Triggs CM, Buckleton J. structured populations. Journal of Fore appropriate for complex mixtures as well

Inttp://www.biostat.washington.edu/~bs merged into a single file LTDNALR.R"

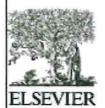
can be retrieved from his personal website (see section Software):

http://www.zebfontaine.eclipse.co.uk/djb.htm

mixed DNA samples encountered in for All software is written in R, and extra features are available: "the code also includes features not described in that paper, such as consideration of relatives of the alleged contributor, and incorporation of replicates and of two unknown contributors. \*\*\* 21/6/10 Previous two files LR1unk.R and LR2unk.R are now

- Prof.ssa Francesca Torricelli -

Of



Available online at www.sciencedirect.com



Forensic Science International 178 (2008) 7-15



www.elsevier.com/locate/forsciint

## Characterization of human DNA in environmental samples

Mary H. Toothman a, Karen M. Kester a, Jarrod Champagne b,d, Tracey Dawson Cruz b, W. Scott Street IVc, Bonnie L. Brown a.\*

- Prof.ssa Francesca Torricelli -

