

# pfiddler

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## A pedigree coordinates ‘fiddler’

J C. Loredó-Osti and Kenneth Morgan

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Version 0.5

### Abstract

*pfiddler* is a modified version of *graphedit* of **Pedpack**-v2.2 that allows editing pedc files (a small modification of the pedigree coordinates file as defined in **Pedpack**-v2.2). It is part of the **Pedfiddler** suite of programs for pedigree drawing.

## 1 Synopsis

*pfiddler* [ *pedcfile* ]

## 2 Description

*pfiddler* is a pedigree coordinates editor for working on files in pedc format. The coordinates can be moved in more ways than in its predecessor. In addition, *editpedc* allows color editing of icons.

## 3 Pointer usage

Button one is used to move nodes (marriages or individuals).

Button two is used to move the selected node and all nodes below it.

Button three is used to select the color of icon for the selected individual.

## 4 Menus

When starting *pfiddler*, it will pop up a window with a menu bar. The items in this menu bar are:

- File *Open* allows you select and open a pedc file.  
*Import* allows you gather data form a **Pedpack**-2.2 file or an ascii list.  
*Save* writes the contents of the buffer to the file with the same name.  
*Save As* lets you select a name and saves the buffer to a file with that name.  
*Export pedpack* writes a file in **Pedpack**-2.2 format.  
*Import labels* matches the first field in a row with the ID, then the remaining fields are assigned to the label.  
*Make eps* creates an EPS file that can be printed or included in documents.  
*Quit* exits *pfiddler*.
- Edit *Remove* allows you to remove families, individuals, and/or marriages.  
*Colors* allows you to set one color for the entire pedigree or to propagate downwards or upwards the color of any specific individual. Also, logical *Or* and *And* can be applied to the color propagation.  
*Tidy* 'tidies' the pedigree.  
*Align* 'aligns' individuals and/or marriages that may be horizontally mis-aligned to a small extent.  
*Annealing* tries to improve the looking of the graph by simulated annealing. Four variables are taken in account for the energy function: expansion, contraction, edges length and sibship aggregation. Just be careful with the proposed weights for those variables to avoid core dumps.  
*Wipe labels*
- Motion *Free* allows you to move nodes in any direction.  
*Horizontal* allows to move nodes only horizontally.  
*Vertical* allows to move nodes only vertically.  
*Rounding* the motion of nodes behaves as in *editpedc*. Nodes are aligned by generation.

## 5 Version

Version: 0.5 of August 15, 2005

## 6 Acknowledgments

As part of the **Pedfiddler** suite, *pfiddler* uses a modified subset of files from the publicly available version of **Pedpack**. Also, it makes use of the GNU library **fltk** (<http://fltk.easysw.com>). Bugs and pitfalls in *pfiddler* are solely the responsibility of J C. Loredó-Ostí and Kenneth Morgan.

## 7 Authors

J C. Loredó-Ostí  
 Department of Human Genetics, McGill University.

josti@bagel.epi.mcgill.ca

and

Kenneth Morgan

Departments of Human Genetics and Medicine, McGill University  
and McGill University Health Centre Research Institute, Montreal.  
ken@bagel.epi.mcgill.ca