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Installation Notes - PIMA 1.2 - Feb 1992

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This package contains source code and auxilliary files for our pattern-induced multi-sequence alignment (PIMA) program. The following programs are included:

pima.sh - Pattern-Induced Multi-Alignment (PIMA) program
print-pima.sh - Creates a readable version of a PIMA alignment
extract-root-pat.sh - Extracts the "root" pattern from a pattern set
IG-to-tbl/tbl-to-IG - Sequence file format conversion programs
install.sh - Compiles and tests this package

Documentation for this package is in the file 'PIMA-MANUAL.doc'. A PostScript version is also provided (see below).

NOTE: This package currently runs only under the UNIX operating system.

Compilation Notes:

1- Decide on a permanent location for the package (e.g. /usr/local/src/MBCRR-Package/pima) then create an environmental variable called "PIMA_HOME" that points to that location. On our system, for example, the default shell is the C-shell and we have added the following line to our user's **~/.cshrc** file:
setenv PIMA_HOME /usr/local/src/MBCRR-Package/pima

2- cd into the pima/bin dir and type: install.sh
This will automatically compile the package and will run a test of pima.sh using sample input and output files provided with the program.

3- Either move all of the files in pima/bin dir to /usr/local/bin or add the pima/bin dir to your path.

Misc. Notes:

1- There may be minor floating-point format differences between your sample output files and ours.

2- The **PIMA-MANUAL.ps** file is the PIMA-MANUAL.nroff-man file formatted for printing on PostScript laser printers (we use 'ptroff' from Adobe's Transcript Package to create nroff-formatted PostScript files: ptroff -man -t PIMA-MANUAL.nroff-man > PIMA-MANUAL.ps) The PIMA-PAPER.ps file is a PostScript version of the Smith and Smith (1992) paper. On Macs, PostScript files can be sent directly to a PostScript laser printer using the LaserWriter Utility or the public-domain file from the Unix side, try printing it from a Macintosh.

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