ADMIXTOOLS version 1.0, 9/7/12 (for Linux only)

The ADMIXTOOLS package implements 5 methods described in Patterson et al. (2012) Ancient Admixture in Human History. Details of the methods and algorithm can be found in this paper. This is an alpha release: qpGraph not yet released. The package was developed for internal use, and the output is not always self-explanatory and documentation is skimpy. If you use the package keep checking the Reich lab website. Improvements are coming...

The package contains 6 programs:
convertf: See README.CONVERTF for documentation of programs for converting file formats.
qp3Pop: See README.3PopTest for details of running f_3 test. This test can be used as a format test of admixture with 3 populations.
qpBound: See README.3PopTest for details of running qpBound. This test can be used for estimating bounds on the admixture proportions, given 3 populations (2 reference and one target).
qpDstat: See README.Dstatistics for details of running D-statistics. This is a formal test of admixture with 4 populations.
qpF4Ratio: See README.F4RatioTest for details of running F4 ratio estimation. This program computes the admixture proportion by taking the ratio of two f4 tests.
rolloff: See README.ROLLOFF/ README.ROLLOFF_OUTPUT for details for runningrolloff. This program can be used for dating admixture events.

Executables and source code:
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All C executables are in the bin/ directory.

Note: The executables included in the bin/ were compiled on Linux version 3.2.0-0.bpo.2-amd64 (Debian 3.2.20-1-bpo60+1) (debian-kernel@lists.debian.org) (gcc version 4.4.5 (Debian 4.4.5-8)) #1 SMP Fri Jun 29 20:42:29 UTC 2012

We have placed source code for all C executables in the src/ directory, for users who wish to modify and recompile our programs. For example, to recompile the programs, type
"cd src"
"make install"

Important: We do not support Mac installations.

If you have trouble compiling and running our code, try compiling and running the examples in the examples/ directory.
If you are unable to run the examples successfully, please contact your system administrator for help, as this is a systems issue which is beyond our scope. Your system administrator will be able to troubleshoot your systems issue using this trivial program.

Questions?
email Arti Tandon, atandon@broadinstitute.org

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