

HASH License

January 10, 2013

HASH is an automated program for predicting H^α chemical shifts using the chemical shifts of nearby backbone atoms (i.e., adjacent atoms in the sequence). HASH combines a new fragment-based chemical shift search approach with a non-parametric regression model, called the generalized additive model, to effectively solve the prediction problem. HASH is developed in the lab of Prof. Bruce Donald at Duke University.

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<signature of Bruce Donald>, 01 May, 2012
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- [a] Jianyang Zeng, Pei Zhou, and Bruce Randall Donald. HASH: a program to accurately predict protein Ha shifts from neighboring backbone shifts. *Journal of Biomolecular NMR*, 2013 (in press).

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The “Minimal Corresponding Source” for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The “Corresponding Application Code” for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

- a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or
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The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

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You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by

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