

Molecular Profiling Research Center for Drug Discovery (MolProf), AIST

KNIME workflow with the reporting functionality

Installation manual

AIST
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1 Introduction

This is an installation manual for KNIME workflow with reporting functionality.

The KNIME can provide report templates for each of workflows using Eclipse BIRT (<http://www.eclipse.org/birt/phenix/>). By using this reporting functionality, various workflow results can be reported visually and comprehensively in PDF, Word format and so on.

If you would like to know how to use the KNIME workflow, please visit a TOGO web site (<http://togo.medals.jp/>)

2 About workflow with reporting functionality

At present, the user can use the PhylogeneticTree_SOAP workflow with the KNIME reporting functionality.

2-1 KNIME workflow with reporting functionality

No.	workflow	OS	Explanation
1	PhylogeneticTree_SOAP workflow	Windows32bit Linux 64bit MacOS	Create multiple alignments and phylogenetic trees.

3 Installation

3.1 Download of the workflow with reporting functionality

The user can download the workflow from the TOGO Web site (<http://togo.medals.jp/>).

There are AIST-knime package files contained the workflow. Please select in accordance with your OS.

The following table shows the relation between OS and the AIST-knime package file.

3-1 AIST-knime package file and OS list

OS	file	File type
Windows 32bit	AIST-knime-[version].zip	ZIP data compressed file
Linux 64bit	AIST-knime-[version]-linux-64bit.tgz	gzipped tar ball
MacOS	AIST-knime-[version]-mac.tgz	gzipped tar ball

***For MacOS user:**

Following environments are needed to use the KNIME well:

- Intel architecture
- 64 bit
- Java 6 (Java 7 won't work reliably)

3.2 How to install

How to install the downloaded AIST-knime file is as follows.

3.2.1 Windows

1. Decompress the downloaded AIST-knime package using an unzipping program. A knime directory is extracted.
2. Open the directory and double-click on a knime.exe that exists in it.



3.2-2 KNIME Icon

3.2.2 Linux

1. By using following command, the download file is unzipped.

```
$ tar zxvf [download file]
```

2. Move to an extracted knime directory and start the KNIME by typing following commands.

```
$ cd knime  
$ ./knime
```

3.2.3 MacOS

1. By using following command, the download file is unzipped.

```
$ tar zxvf [download file]
```

2. Move to a MacOS folder in an extracted knime directory and start the KNIME by typing following commands.

```
$ cd knime/Knime.app/Contents/MacOS  
$ ./Knime
```

***For MacOS user:**

Following environments are needed to use the KNIME well:

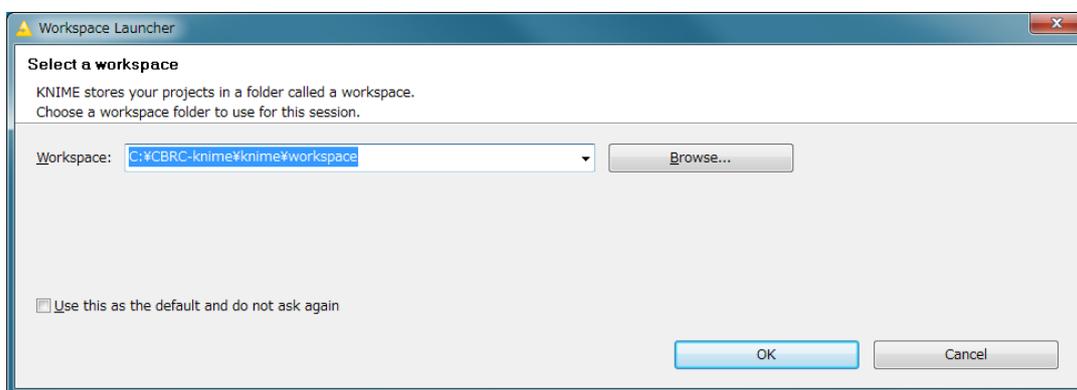
- Intel architecture
- 64 bit
- Java 6 (Java 7 won't work reliably)

3.3 KNIME setting

The user set a workspace in a "Workspace Launcher" Window pop upped when KNIME is started.

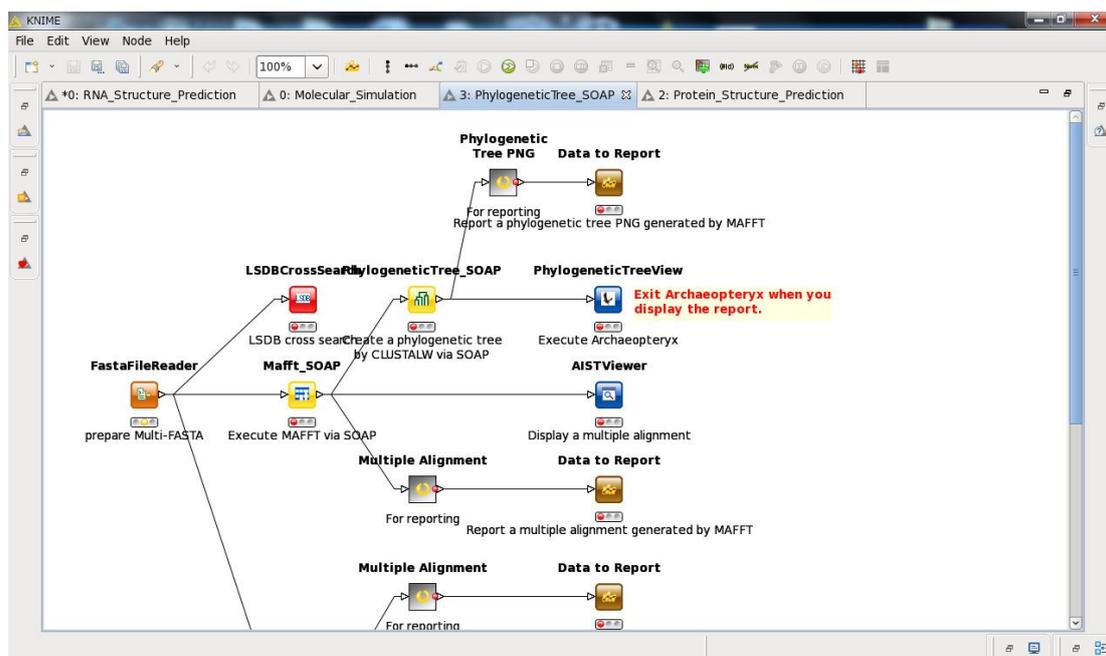
In a default setting, an absolute path of the workspace folder in the installed KNIME folder is specified in the "Workspace Launcher". We'll recommend the user not to change the path.

1. Check whether the absolute path of the workspace specifies the "workspace" folder in the knime folder or not, and Click "OK" button if the path is correct.



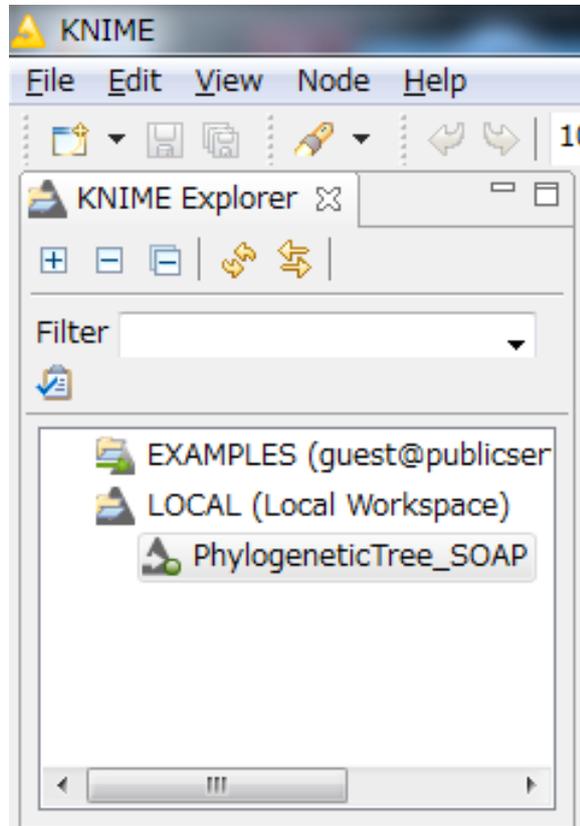
3.3-1 KNIME Workspace setting

2. The KNIME workbench is opened.



3.3-2 KNIME workbench

3. The PhylogeneticTree_SOAP workflow is displayed in the Workflow Projects column on the left of KNIME.



3.3-3 Workflow Projects

Please check the user manual how to use this workflow.

4 Contact

Please let me know if you have any questions.

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Molecular Profiling Research Center for Drug Discovery, AIST plans to take the user's demand positively, and to make it to a better system.

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