To update, please contact:		lan Holmes <ihho< th=""><th>olmes+biomake@</th><th>gmail.com></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></ihho<>	olmes+biomake@	gmail.com>									
		Chris Mungall <cmungall+biomake@gmail.com></cmungall+biomake@gmail.com>											
Latest version of this table:		https://docs.google.com/spreadsheets/d/1EPyilhXoTC8BGK8SG4eUG7yCkOhR_SndYz22005dq3Y/edit?usp=sharing											
Earlier version of this table:		https://biowiki.org/wiki/index.php/Make_Comparisor											
	See also:	https://github.com/common-workflow-language/common-workflow-language/wiki/Existing-Workflow-systems											
Fool	URL			Implementation language	MD5/hash tests for file staleness?	Functional language extensions (e.g. for filename manipulation)?	Logic programming extension language (e.g. ontology integration)?	Multiple wildcards per rule?	Multi-threaded parallelism?	SGE (Sun Grid Engine) compatible?	PBS (Portable Batch System) compatible?	SLURM (Simple Linux Utility for Resource Management) compatible?	GNU Makefile syntax compatible?
SNU make	https://www.gnu.org/software/make/			С	no	yes	no	no	yes	no	no	no	yes
Biomake	http://biomake.or	<u>g/</u>		Prolog	yes	yes	yes	yes	yes	yes	yes	yes	yes
Erlang make	http://erlang.org/	http://erlang.org/doc/man/make.html			no	no	no	no	yes	no	no	no	no
make	http://omake.met	tp://omake.metaprl.org/index.html			yes	yes	yes	no	yes	no	no	no	no
nakepp	http://makepp.so	urceforge.net/		Perl	yes	yes	yes	no	yes	no	no	no	yes
nakemake	https://snakemak	https://snakemake.readthedocs.io/en/stable/			no	yes	yes	yes	yes	yes	yes	yes	no
ımake	http://gridschedu	http://gridscheduler.sourceforge.net/htmlman/			no	yes	no	no	yes	yes	no	no	yes
listmake	http://distmake.s	ourceforge.net/pm	wiki/pmwiki.php	С	no	yes	no	no	ves	yes	no	no	ves