HybPhyloMaker software

				0	1	2	3	4	4b	5	6	7	8a	8b	8c	8e	8f	9	10
Software	Source	Install (yes/no)	Used command(s)	Sample preparation	Raw data processing	Read mapping	Generate pslx	Process pslx	Correct frame,	Missing data handling	Gene tree building	Root trees	ASTRAL	ASTRID	MRL	Concatenated FastTree	ExaML	Update	Collapse trees & select
GNU parallel	http://www.gnu.org/software/parallel/	У	parallel	Х				Х											
Bowtie2	http://bowtie-bio.sourceforge.net/bowtie2/index.shtml	У	bowtie2-build, bowtie2		Х	Х													
BWA	http://bio-bwa.sourceforge.net/	У	bwa mem			Х													
SAMtools	http://samtools.sourceforge.net/	У	samtools		Х	Х													
bam2fastq	https://gsl.hudsonalpha.org/information/software/bam2fastq	У	bam2fastq		Х														
Trimmomatic	http://www.usadellab.org/cms/?page=trimmomatic	n	java -jar trimmomatic-0.33.jar		Х														
FastUniq	https://sourceforge.net/projects/fastuniq/	У	fastuniq		Х														
JDK/JRE	http://www.oracle.com/technetwork/java/javase/	У	java		Х								Х	Х	Х				Х
ососо	https://github.com/karel-brinda/ococo	У	ососо			х													
kindel	https://pypi.python.org/pypi/kindel	У	kindel			Х													
Perl	https://www.perl.org/	У	perl		Х			Х	Х		Х					Х			
BLAT suite	https://genome.ucsc.edu/goldenpath/help/blatSpec.html	У	blat				Х												
MAFFT	http://mafft.cbrc.jp/alignment/software/	У	mafft					Х											
Python	https://www.python.org/	У	python					х					Х	Х					
Python3	https://www.python.org/download/releases/3.0/	У	python3			Х			х	х									
AMAS	https://github.com/marekborowiec/AMAS/	n	python3 amas.py					Х	Х	Х	Х		Х	Х		Х	Х		
EMBOSS	http://emboss.open-bio.org/	У	transeq						х										
TrimAl	http://trimal.cgenomics.org/	У	trimal							Х									
MstatX	https://github.com/gcollet/MstatX	У	mstatx							Х									
FastTree	http://www.microbesonline.org/fasttree/	У	fasttree								Х					Х			
Newick Utilities	http://cegg.unige.ch/newick_utils	У	nw_reroot, nw_topology								Х	Х	Х	Х	Х				Х
RAxML	http://sco.h-its.org/exelixis/web/software/raxml/index.html	У	raxmIHPC								Х				Х		Х		
R	https://www.r-project.org/	У	R							Х	Х							х	
ASTRAL	https://github.com/smirarab/ASTRAL	n	java -jar astral.4.11.1.jar										Х						
ASTRID	https://github.com/pranjalv123/ASTRID	n	ASTRID											Х					
p4	http://p4.nhm.ac.uk	у	p4										Х	х					
mrpmatrix	https://github.com/smirarab/mrpmatrix	n	java -jar mrp.jar												Х				
ExaML	http://sco.h-its.org/exelixis/web/software/examl/index.html	у	examl														Х		