

**Materials List for:**

# **A Practical Guide to Phylogenetics for Nonexperts**

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URL: <https://www.jove.com/video/50975>

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## **Materials**

| <b>Name</b>                  | <b>Company</b> | <b>Catalog Number</b> | <b>Comments</b>                                                                                                                       |
|------------------------------|----------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| BLAST webpage                |                |                       | <a href="http://blast.ncbi.nlm.nih.gov/Blast.cgi">http://blast.ncbi.nlm.nih.gov/Blast.cgi</a>                                         |
| BLAST executables            |                |                       | <a href="ftp://ftp.ncbi.nlm.nih.gov/blast/executables/blast+/LATEST/">ftp://ftp.ncbi.nlm.nih.gov/blast/executables/blast+/LATEST/</a> |
| Preformatted BLAST databases |                |                       | <a href="ftp://ftp.ncbi.nlm.nih.gov/blast/db/">ftp://ftp.ncbi.nlm.nih.gov/blast/db/</a>                                               |
| Clustal                      |                |                       | <a href="http://www.clustal.org/">http://www.clustal.org/</a>                                                                         |
| Kalign                       |                |                       | <a href="http://msa.sbc.su.se/cgi-bin/msa.cgi">http://msa.sbc.su.se/cgi-bin/msa.cgi</a>                                               |
| MAFFT                        |                |                       | <a href="http://mafft.cbrc.jp/alignment/software/">http://mafft.cbrc.jp/alignment/software/</a>                                       |
| MUSCLE                       |                |                       | <a href="http://www.drive5.com/muscle/">http://www.drive5.com/muscle/</a>                                                             |
| T-Coffee                     |                |                       | <a href="http://www.tcoffee.org/Projects/tcoffee/">http://www.tcoffee.org/Projects/tcoffee/</a>                                       |
| PROBCONS                     |                |                       | <a href="http://toolkit.tuebingen.mpg.de/probcons">http://toolkit.tuebingen.mpg.de/probcons</a>                                       |
| Se-AI                        |                |                       | <a href="http://tree.bio.ed.ac.uk/software/seal/">http://tree.bio.ed.ac.uk/software/seal/</a>                                         |
| BSEdit                       |                |                       | <a href="http://www.bsedit.org/">http://www.bsedit.org/</a>                                                                           |
| JalView                      |                |                       | <a href="http://www.jalview.org/">http://www.jalview.org/</a>                                                                         |
| SeaView                      |                |                       | <a href="http://pbil.univ-lyon1.fr/software/seaview.html">http://pbil.univ-lyon1.fr/software/seaview.html</a>                         |
| ProtTest                     |                |                       | <a href="https://code.google.com/p/prottest3/">https://code.google.com/p/prottest3/</a>                                               |
| Java Runtime                 |                |                       | <a href="http://www.java.com/en/download/chrome.jsp">http://www.java.com/en/download/chrome.jsp</a>                                   |
| Readseq                      |                |                       | <a href="http://iubio.bio.indiana.edu/cgi-bin/readseq.cgi">http://iubio.bio.indiana.edu/cgi-bin/readseq.cgi</a>                       |
| jModelTest                   |                |                       | <a href="https://code.google.com/p/jmodeltest2/">https://code.google.com/p/jmodeltest2/</a>                                           |
| PhyML                        |                |                       | <a href="https://code.google.com/p/phyml/">https://code.google.com/p/phyml/</a>                                                       |
| MrBayes                      |                |                       | <a href="http://mrbayes.sourceforge.net/download.php">http://mrbayes.sourceforge.net/download.php</a>                                 |
| TreeView                     |                |                       | <a href="http://taxonomy.zoology.gla.ac.uk/rod/treeview.html">http://taxonomy.zoology.gla.ac.uk/rod/treeview.html</a>                 |
| TreeDyn                      |                |                       | <a href="http://www.treedyn.org/">http://www.treedyn.org/</a>                                                                         |