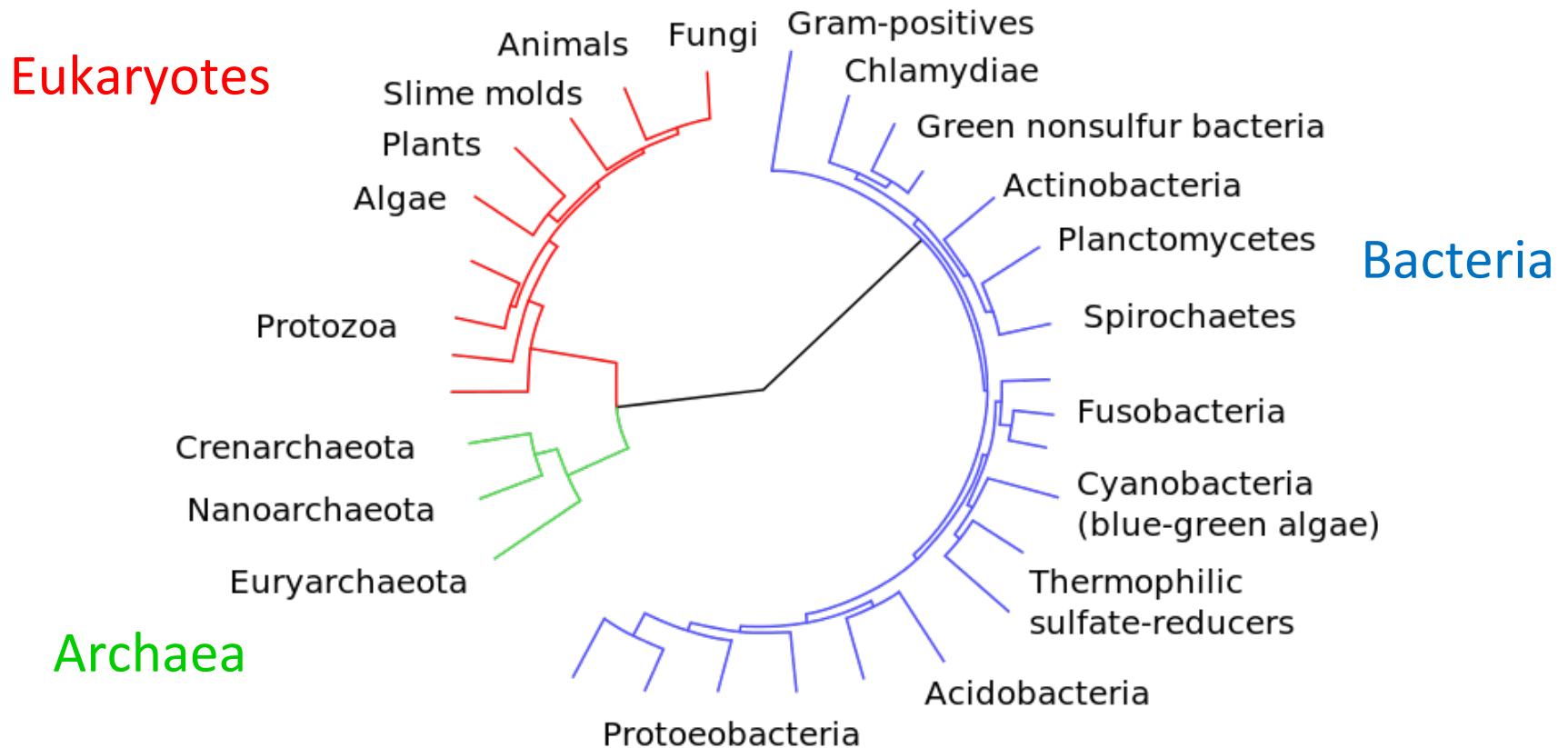


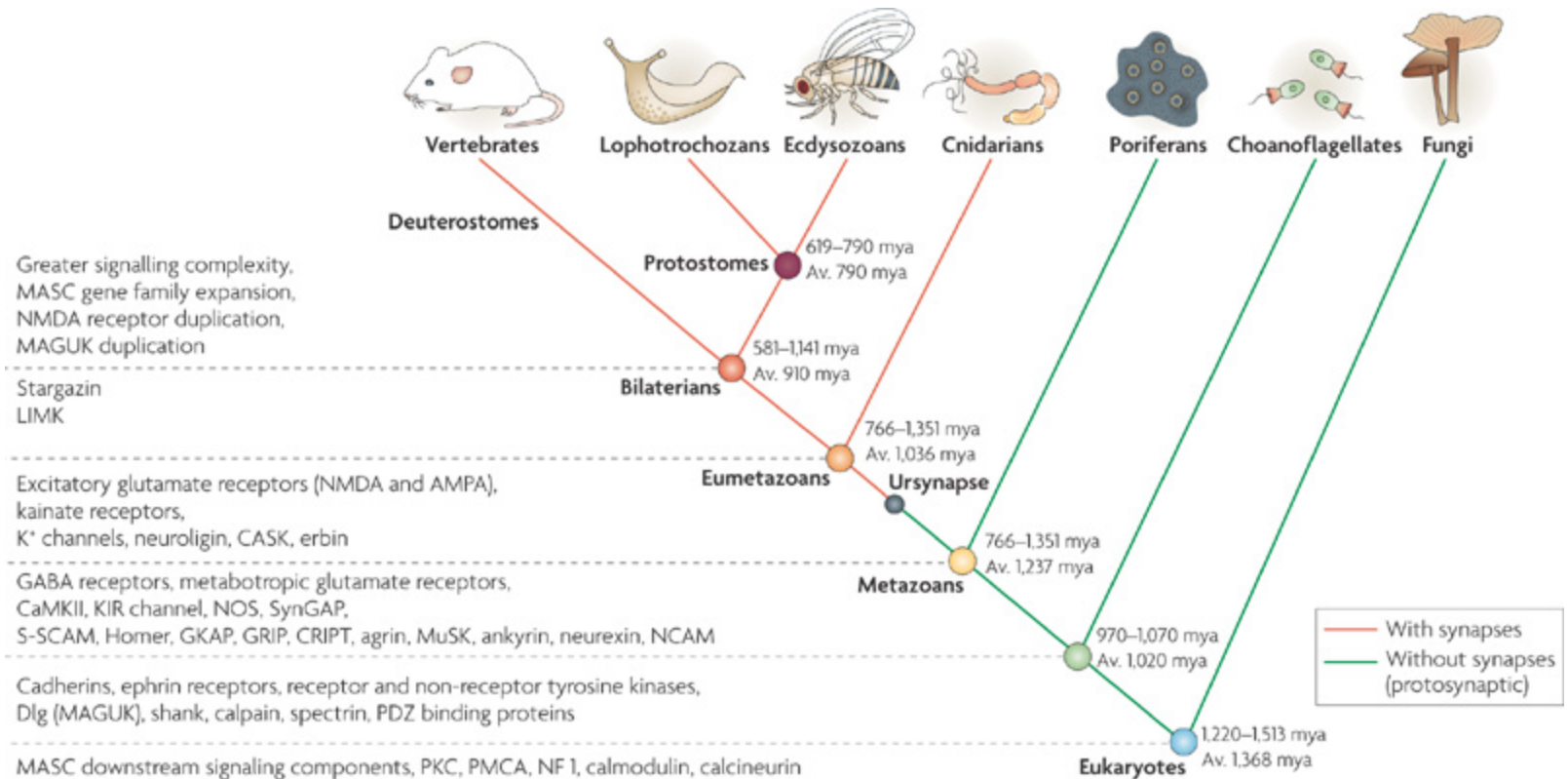
Tree of life from sequenced genomes



A highly resolved Tree of Life, based on completely sequenced genomes [1]. The image was generated using iTOL: Interactive Tree Of Life [2], an online phylogenetic tree viewer and Tree Of Life resource. Eukaryotes are colored red, archaea green and bacteria blue. PNG image traced by hand to produce SVG version.

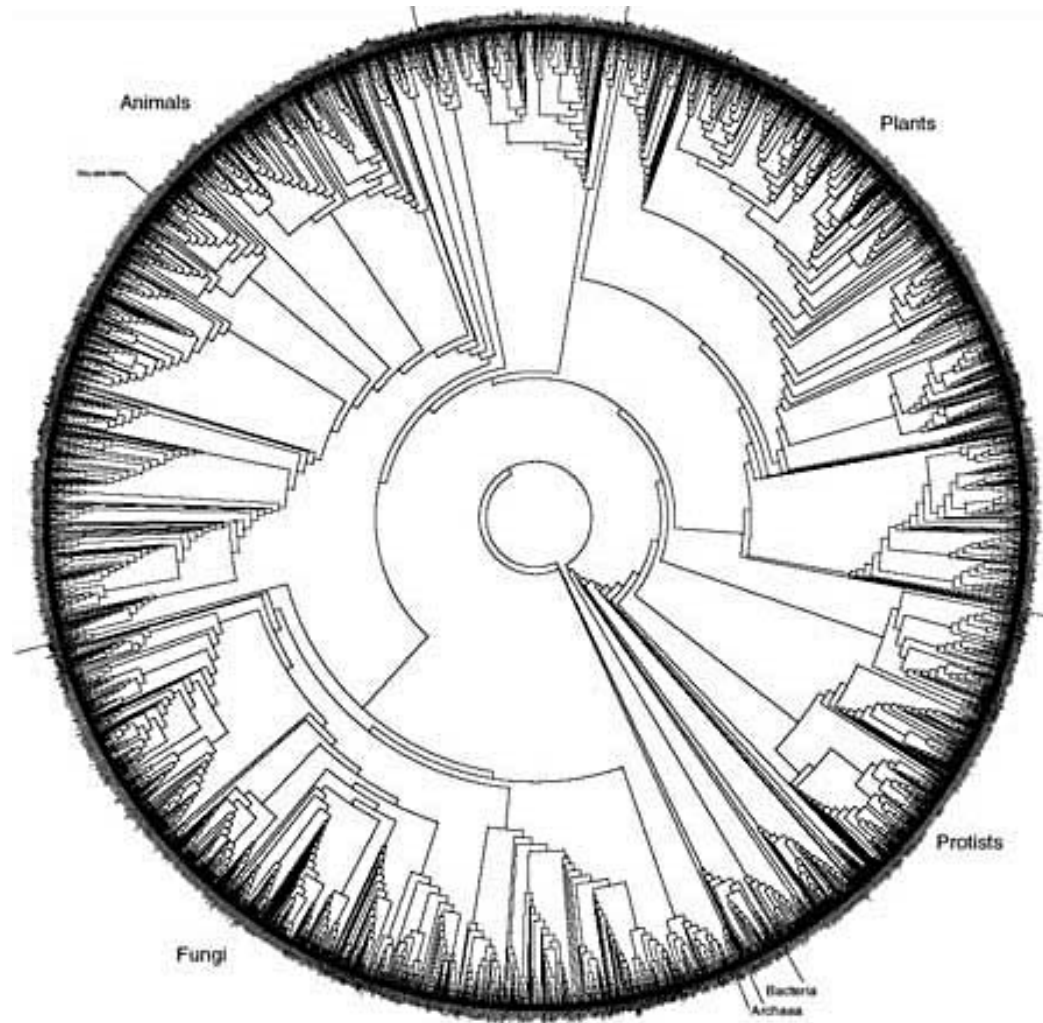
1. ↑ Ciccarelli, FD (2006). "Toward automatic reconstruction of a highly resolved tree of life." (Pubmed). *Science* 311(5765): 1283-7.
2. ↑ Letunic, I (2007). "Interactive Tree Of Life (iTOL): an online tool for phylogenetic tree display and annotation." *Bioinformatics* 23(1): 127-8.

The Evolution of Synapses



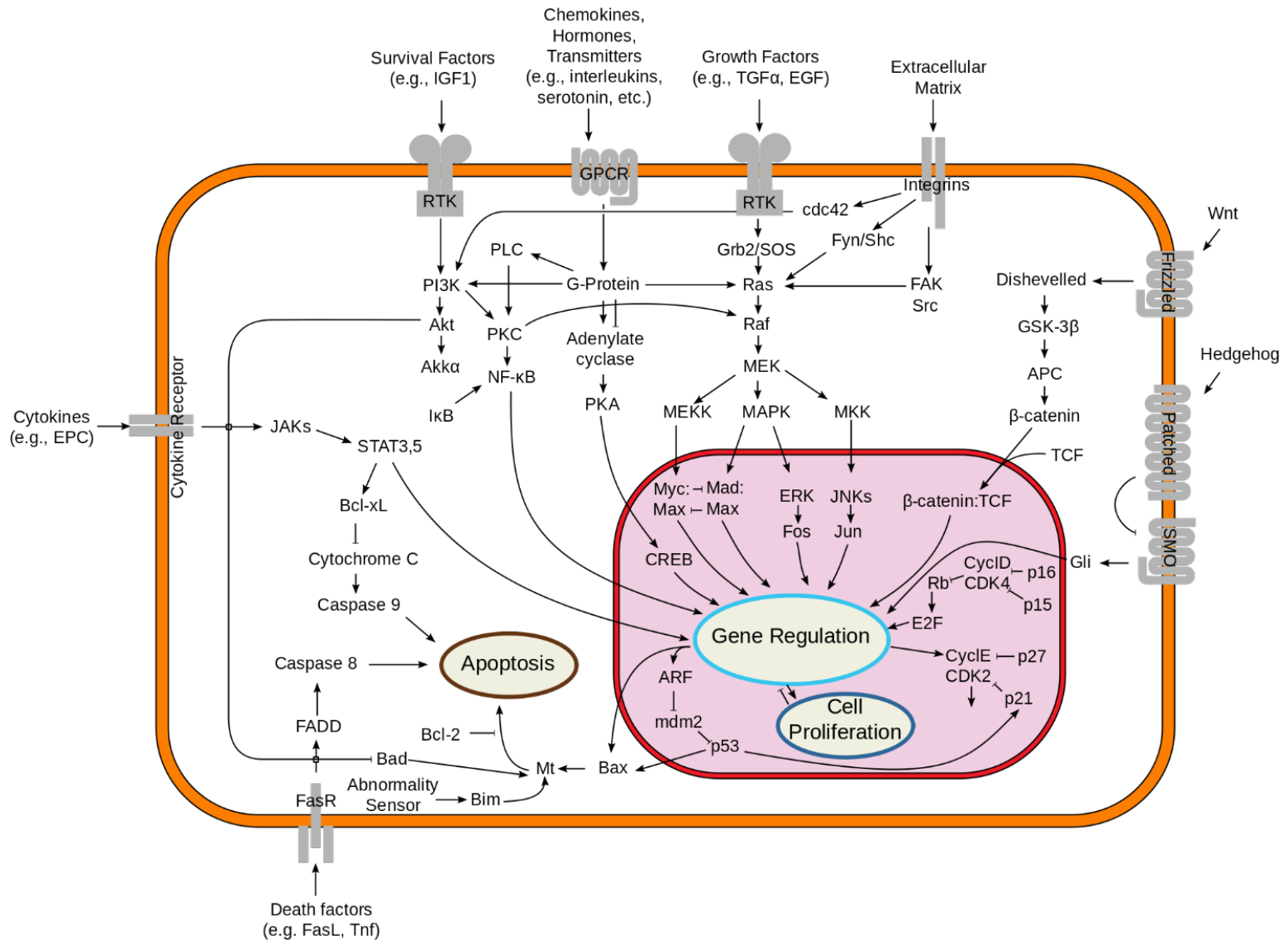
Nature Reviews | Neuroscience

— With synapses
— Without synapses

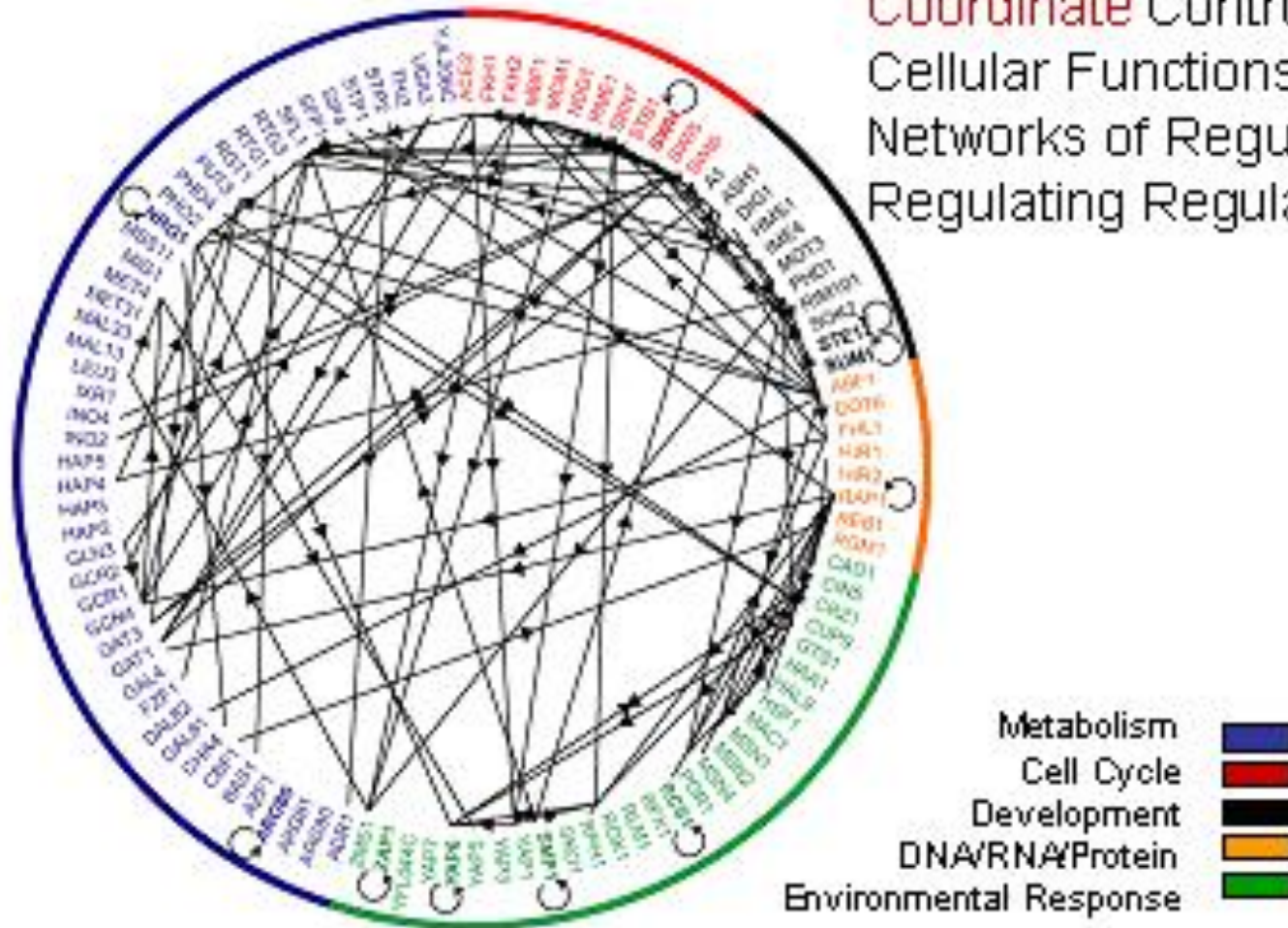


This phylogenetic tree, created by David Hillis, Derreck Zwickil and Robin Gutell, depicts the evolutionary relationships of about 3,000 species throughout the Tree of Life. Less than 1 percent of known species are depicted.

Signal Transduction Pathways

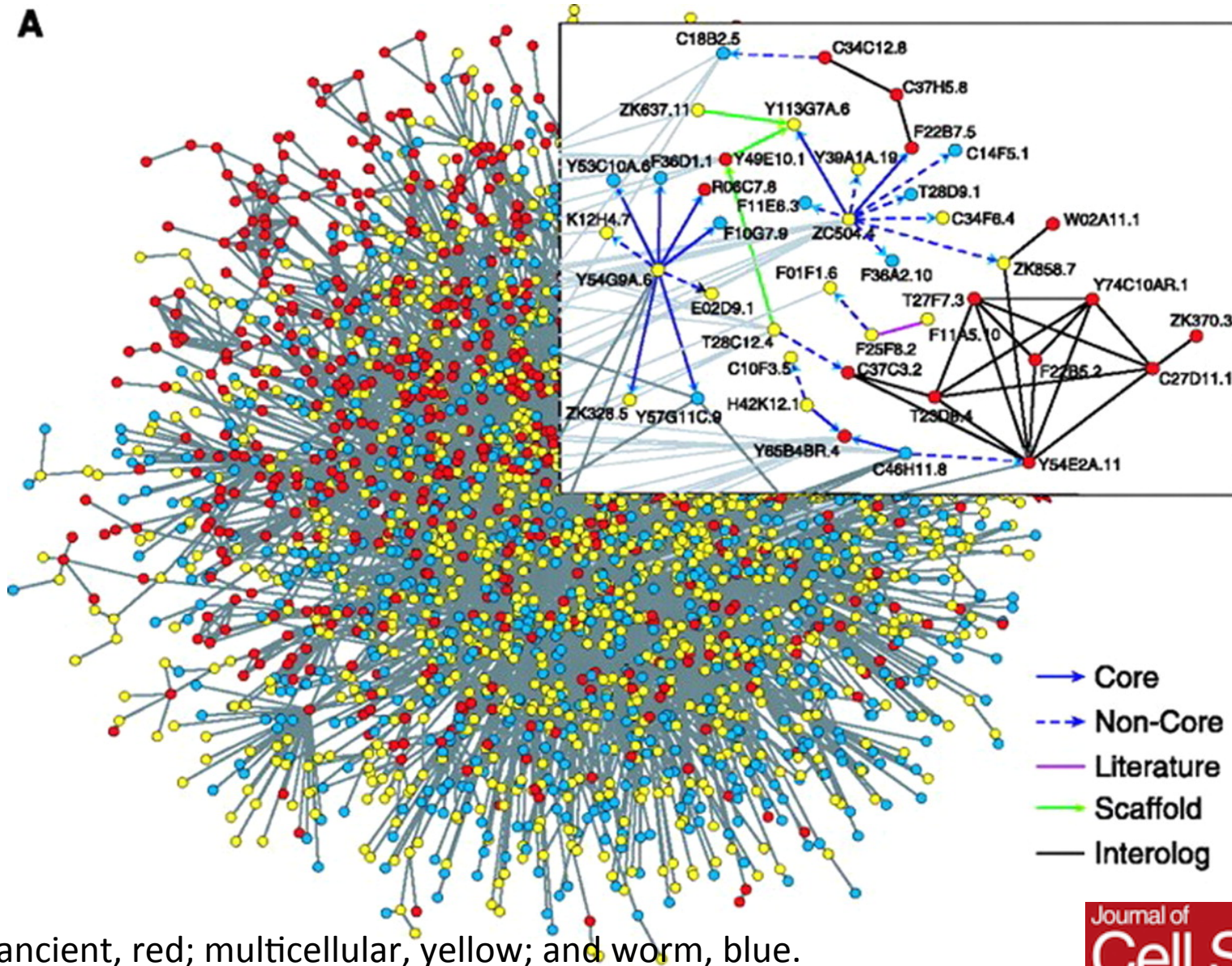


Coordinate Control of Cellular Functions: Networks of Regulators Regulating Regulators



<http://systemsbiology.case.edu/projects/Signal%20Transduction.shtml>

C. elegans protein interaction network.

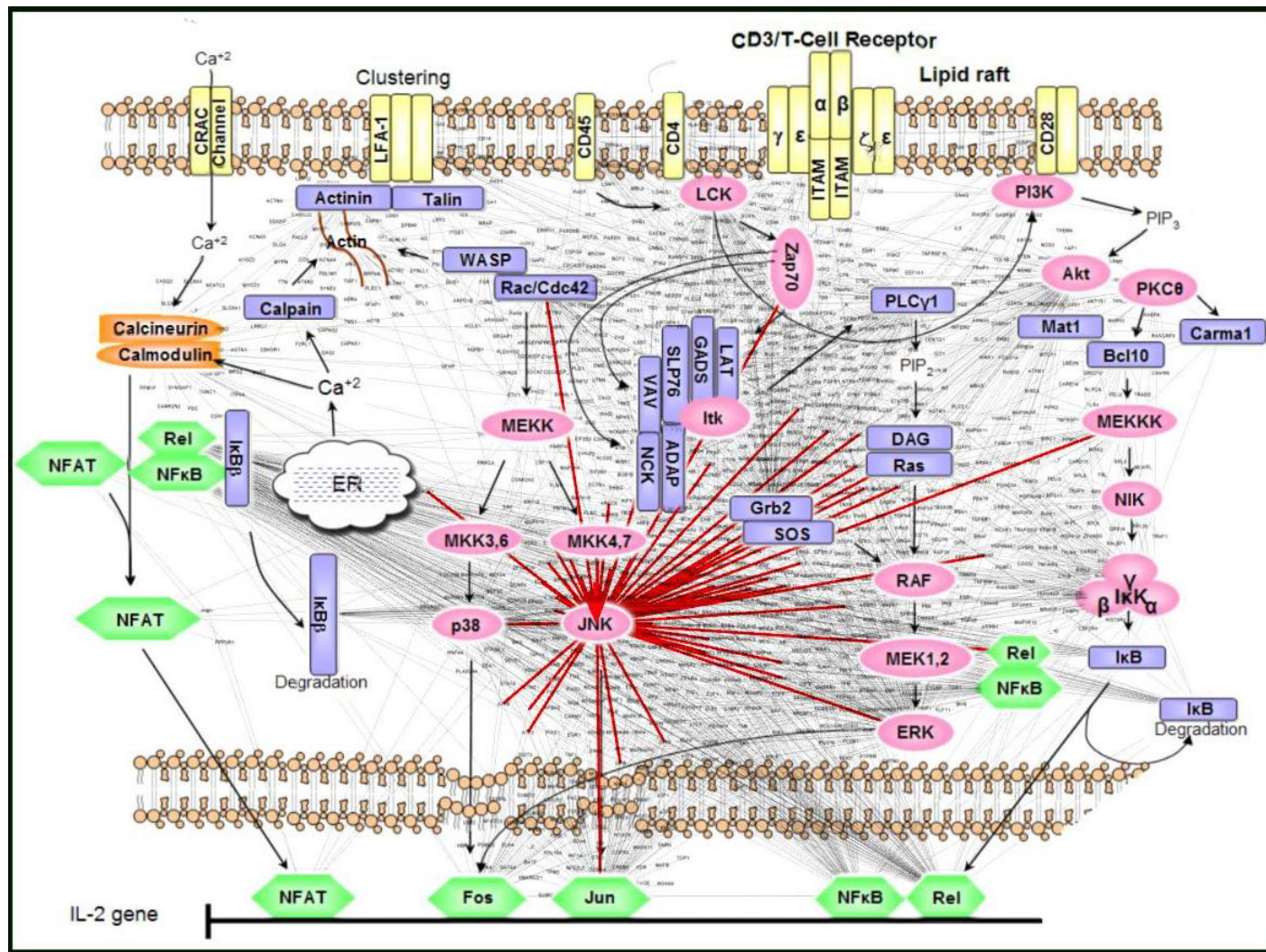


Downstream genes



- Cerebral plug-in, Cytoscape

Cell location + schematic shape



- <http://vis.cs.brown.edu/areas/projects/proteins.html>

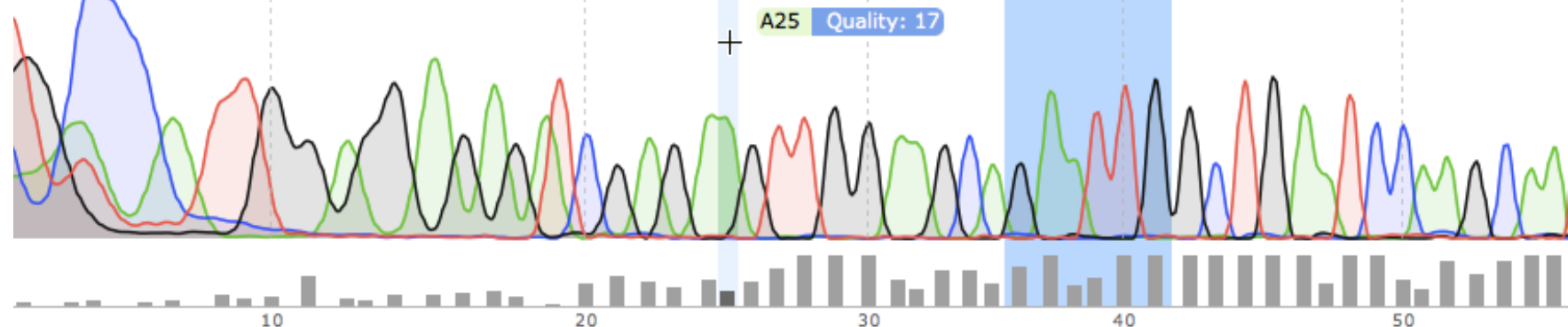
10A_A1_27_M13F.ab1 (1179 bases)

Selected: 36 .. 41 = 6 bases

1179

A AC T A TT G G AG G A G AG N C G A G A A G T T G G A A G C A G A A T T G G C T G A A T C C A A G C A A

A25 Quality: 17



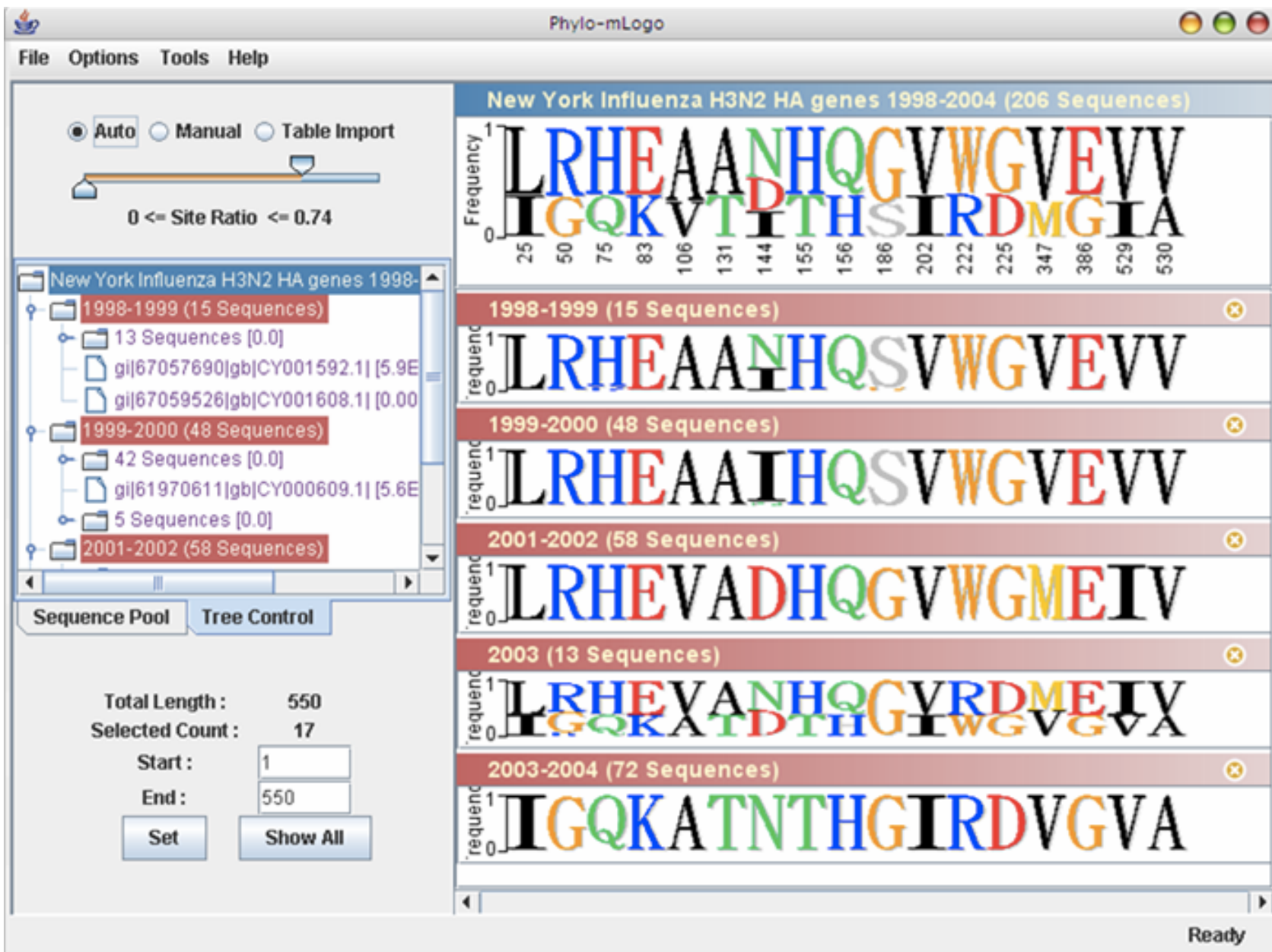
Find: GAATTG

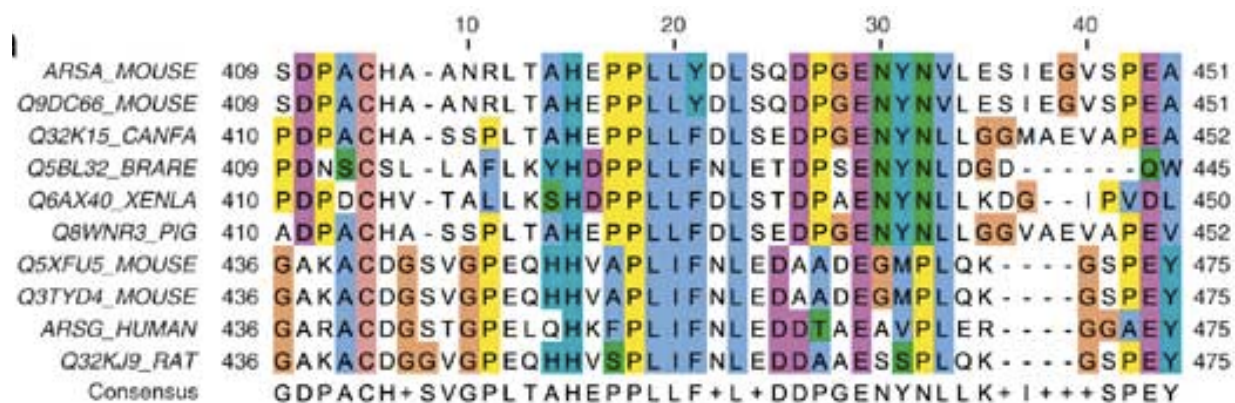
Previous

Next

1.0x

Show quality





c

Nucleic Acid Database
 Jalview/TOPALi
 ClustalX
 MacClade
 GC versus AT (Geneious)
 Purine versus pyrimidine

