Datamonkey

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Datamonkey

A Collection of State of the Art Statistical Models and Bioinformatics Tools

What evolutionary process would you like to detect?

Selection	Recombination

Would you like to detect selection across branches, individual sites, or an entire gene?

Branches	Sites	Gene

Do you want to detect episodic or relaxed selection?

Episodic	Relaxed

Datamonkey recommends that you use...

RELAX

RELAX is a hypothesis testing framework that asks whether the strength of natural selection has been relaxed or intensified along a specified set of test branches. RELAX is therefore *not* a suitable method for explicitly testing for positive selection. Instead, RELAX is most useful for identifying trends and/or shifts in the stringency of natural selection on a given gene.

For more information, please see the summary on hyphy.org or see Wertheim, JO et al. "RELAX: detecting relaxed selection in a phylogenetic framework." Mol. Biol. Evol. 32, 820–832 (2015).