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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 pervasive selection?		
Episodic		Pervasive
Is your dataset small (less than this many sequences/sizes) or large?		
Small		Large

Do you want to contrast selection pressures between two or more groups of branches?

No Yes

Datamonkey recommends that you use...

Contrast-FEL

Contrast-FEL is a simple extension of the popular fixed effects likelihood method. It is suitable for identifying individual alignment sites where any among the $K \ge 2$ sets of branches in a phylogenetic tree have detectably different ω ratios, indicative of different selective regimes. This method is particularly useful when comparing selective pressures among sets of branches in a phylogenetic tree and identifying specific sites within genes that may be evolving differently.

https://datamonkey.org



Job Queue

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