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...

aBSREL

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aBSREL (**a**daptive**B**ranch-**S**ite **R**andom**E**ffects **L**ikelihood) is an improved version of the commonly-used "branch-site" models, which are used to test if positive selection has occurred on a proportion of branches.

For more information, please see the summary on hyphy.org or see Smith, MD et al. "Less is more: an adaptive branch-site random effects model for efficient detection of episodic diversifying selection." Mol. Biol. Evol. 32, 1342–1353 (2015).