

Analysis summary

	WNV NS3	HIV-1 <i>env</i>	SARS-CoV-2 spike
Gene-wide episodic selection (BUSTED)	No	Yes	Yes
Branch-level selection (aBSREL)	No	Yes, three branches, including transmission	No
Site-level episodic selection (MEME)	Yes, 1 site	Yes, 8 sites	Yes, sites found depend on which branches are included

Questions about the previous material?



We covered the FEL and SLAC selection analyses, site-level methods

- Fixed Effects Likelihood (**FEL**)
 - A simpler alternative to MEME (looks for pervasive selection)
 - May be more suited for smaller datasets or datasets of low divergence
- Single Likelihood Ancestor Counting (**SLAC**)
 - A counting-based approach
 - Good for data exploration and visualization