

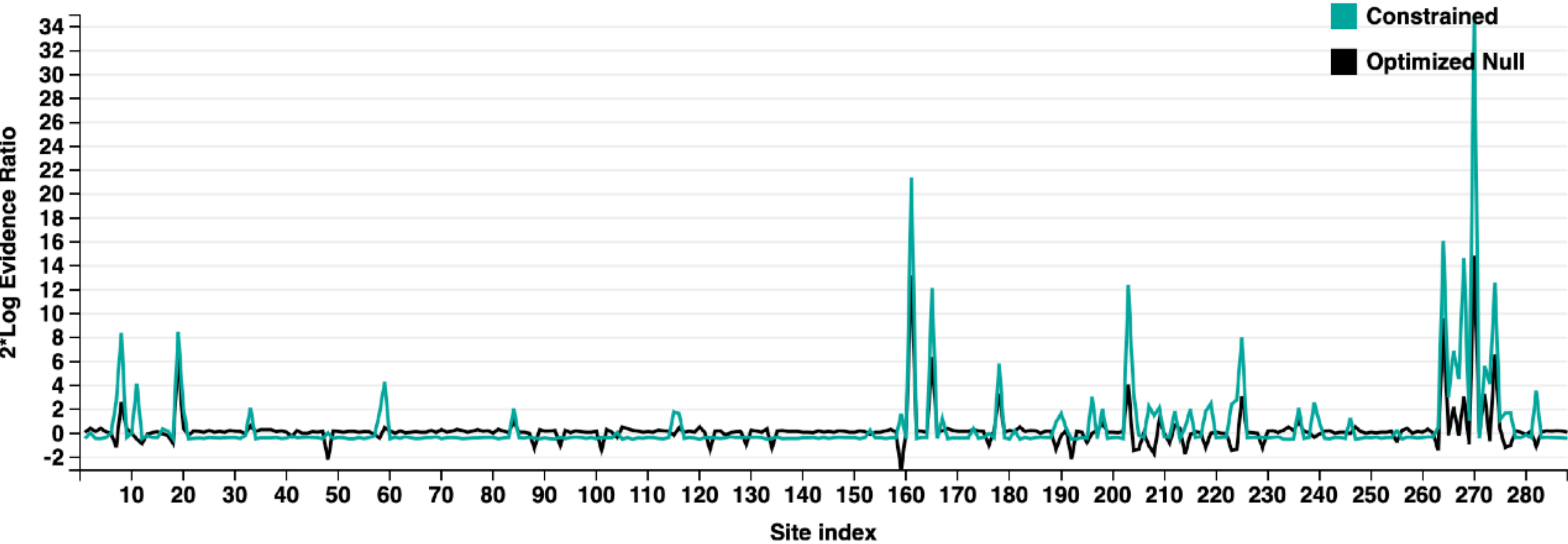
BUSTED site-level inference

- Because BUSTED is a random-effects method, it **pools** information across multiple sites and branches to gain power
- The cost to this pooling is lack of site-level **resolution**, i.e., it is not immediately obvious which sites and/or branches drive the signal
- Standard ways to extract individual site contributions to the overall signal is to perform a post-hoc analysis, such as empirical Bayes, or “category loading”
- For BUSTED, “category loading” is faster and experimentally better



Export Chart to PNG

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Constrained Test Statistic

5

Optimized Null Test Statistic

-Infinity

Showing entries 1 through 13 out of 13.

Export Table to CSV

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Site index ⬆	Unconstrained likelihood ⬆	Constrained likelihood ⬆	Optimized Null Likelihood	Constrained Statistic	Optimized Null Statistic
8	-25.12	-29.31	-26.42	8.38	2.6
19	-13.12	-17.34	-16.24	8.45	6.23