Molly L. Lewis Department of Psychology Stanford University Jordan Hall 450 Serra Mall Stanford, CA 94305-2130

mll@stanford.edu

August 26, 2015

Editorial Board Cognition

Dear Editors,

Please accept the manuscript "The length of words reflects their conceptual complexity," which I am submitting with my coauthor Michael C. Frank. The manuscript reports original data on a previously undescribed regularity in language: longer words tend to refer to more complex meanings. In a series of ten studies, we find this regularity both in speaker's inferences about novel words, as well as in the structure of natural languages. This result suggests that pragmatic pressures may constrain the arbitrary character of the lexicon.

This manuscript is not currently submitted elsewhere and will not be submitted elsewhere prior to editorial decision.

APA ethical standards on the collection of data from human participants were followed. My coauthor and I do not have any interests that might be interpreted as influencing the research.

I will be serving as the corresponding author for this manuscript. My coauthor and I have agreed to the byline order and to submission of the manuscript in this form. I have assumed responsibility for keeping my co-author informed of our progress through the editorial review process, the content of the reviews, and any revisions made. I understand that, if accepted for publication, a certification of authorship form will be required that all authors will sign.

Sincerely,

Molly L. Lewis Department of Psychology Stanford University