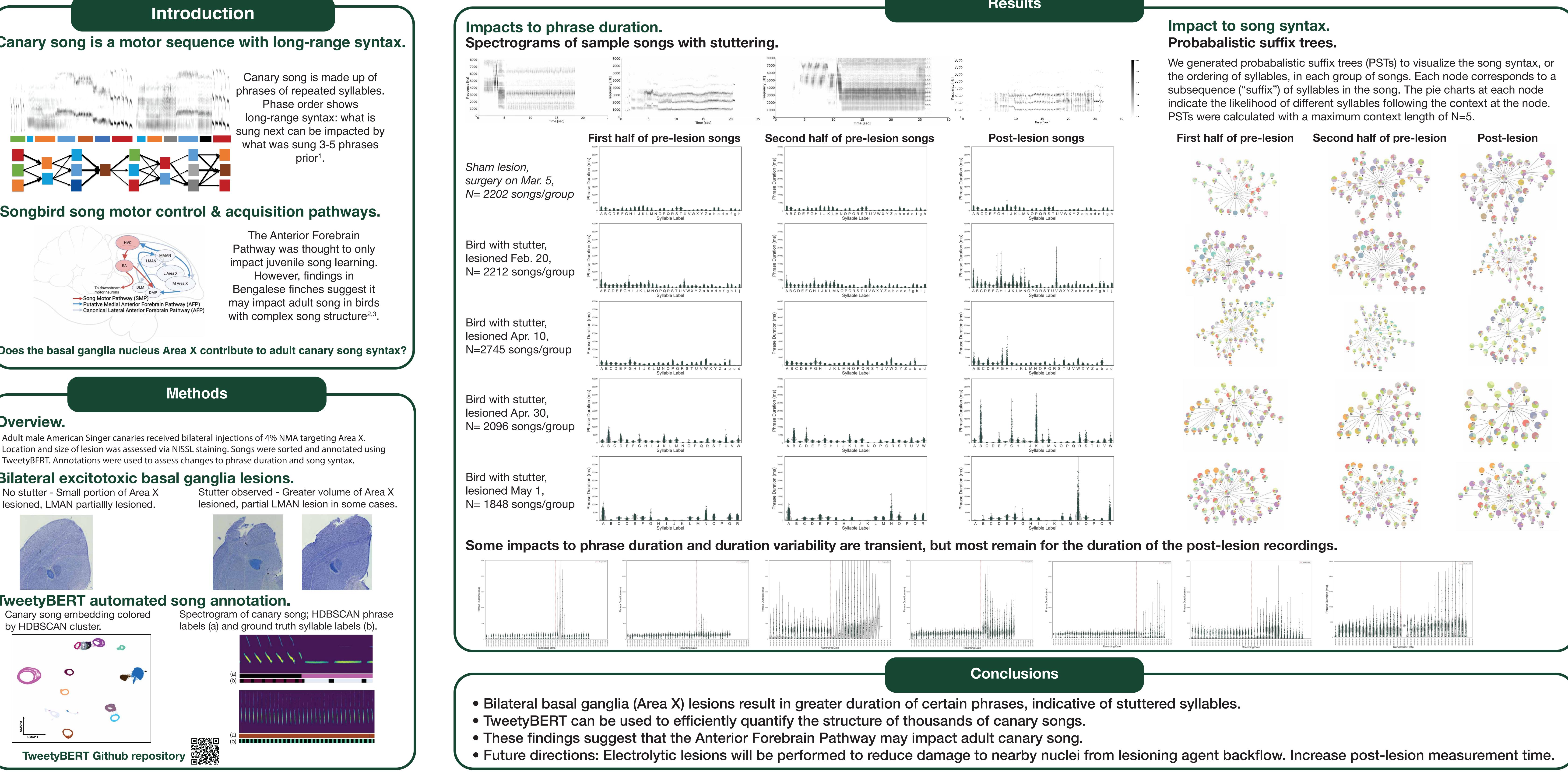
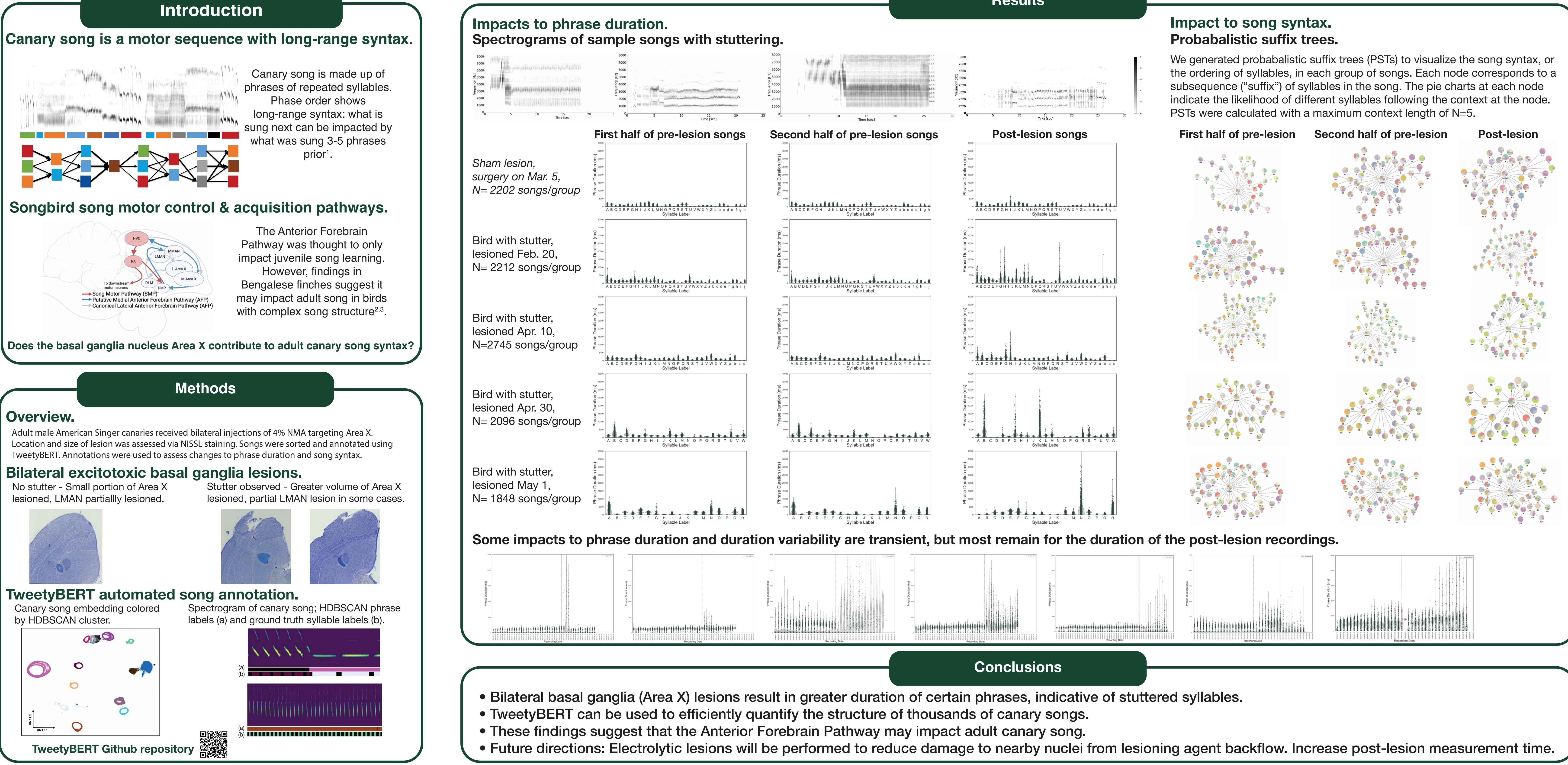
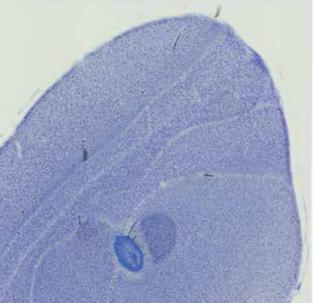
# Basal ganglia lesions induce stuttering in canaries.

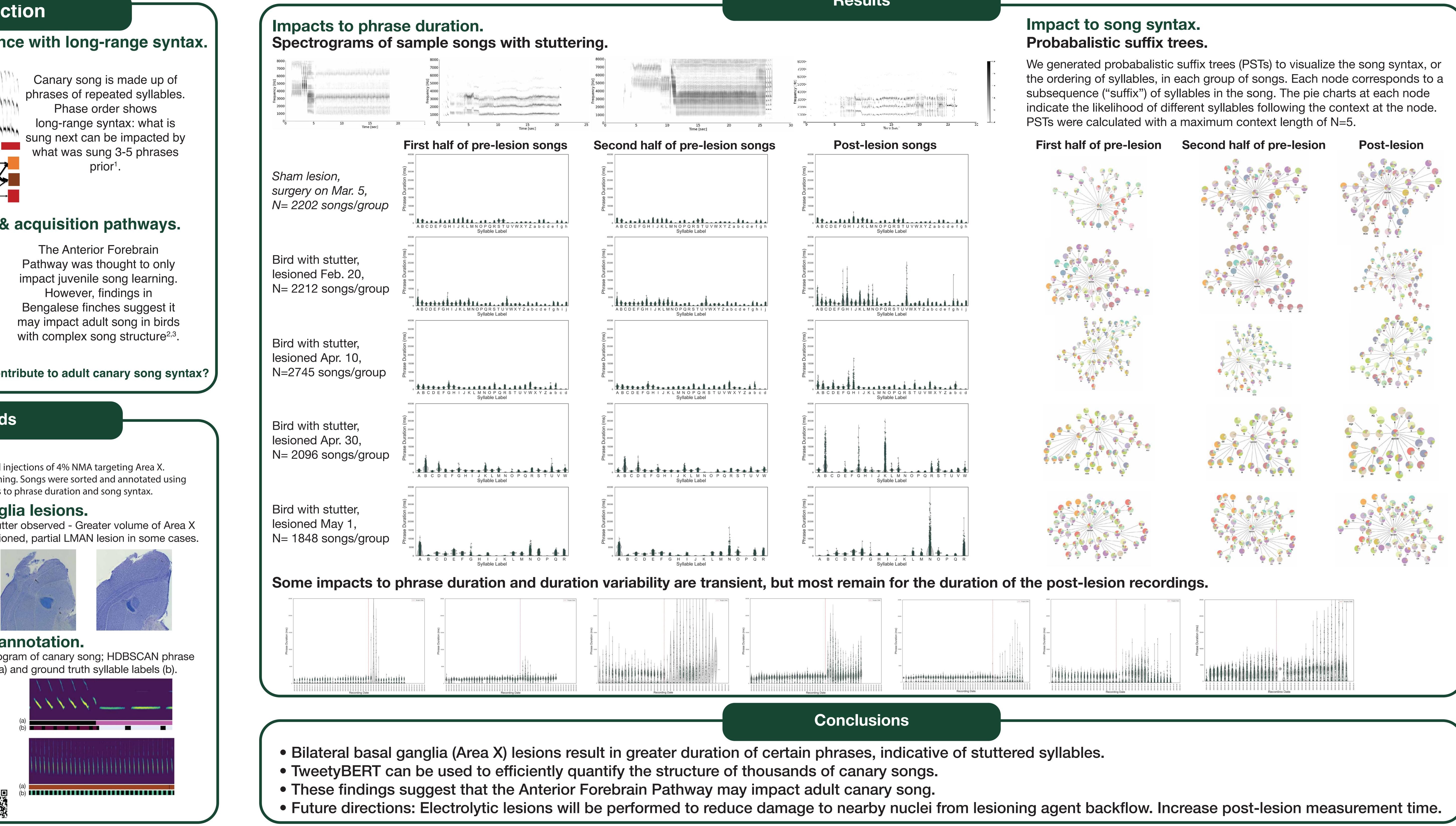
M.R. Hulsey-Vincent<sup>1</sup>, G. Vengrovski<sup>1</sup>, A. Kapoor, M.A. Bemrose<sup>2</sup>, T.J. Gardner<sup>1,2</sup>. <sup>1</sup>Department of Biology, University of Oregon. Eugene, OR, USA. <sup>2</sup>Department of Bioengineering, University of Oregon. Eugene, OR USA.

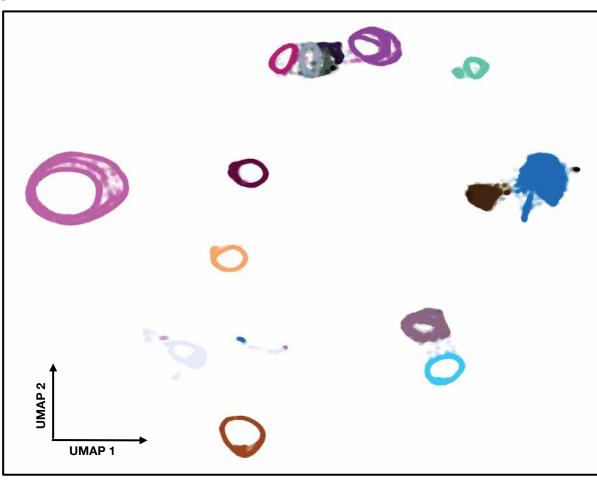


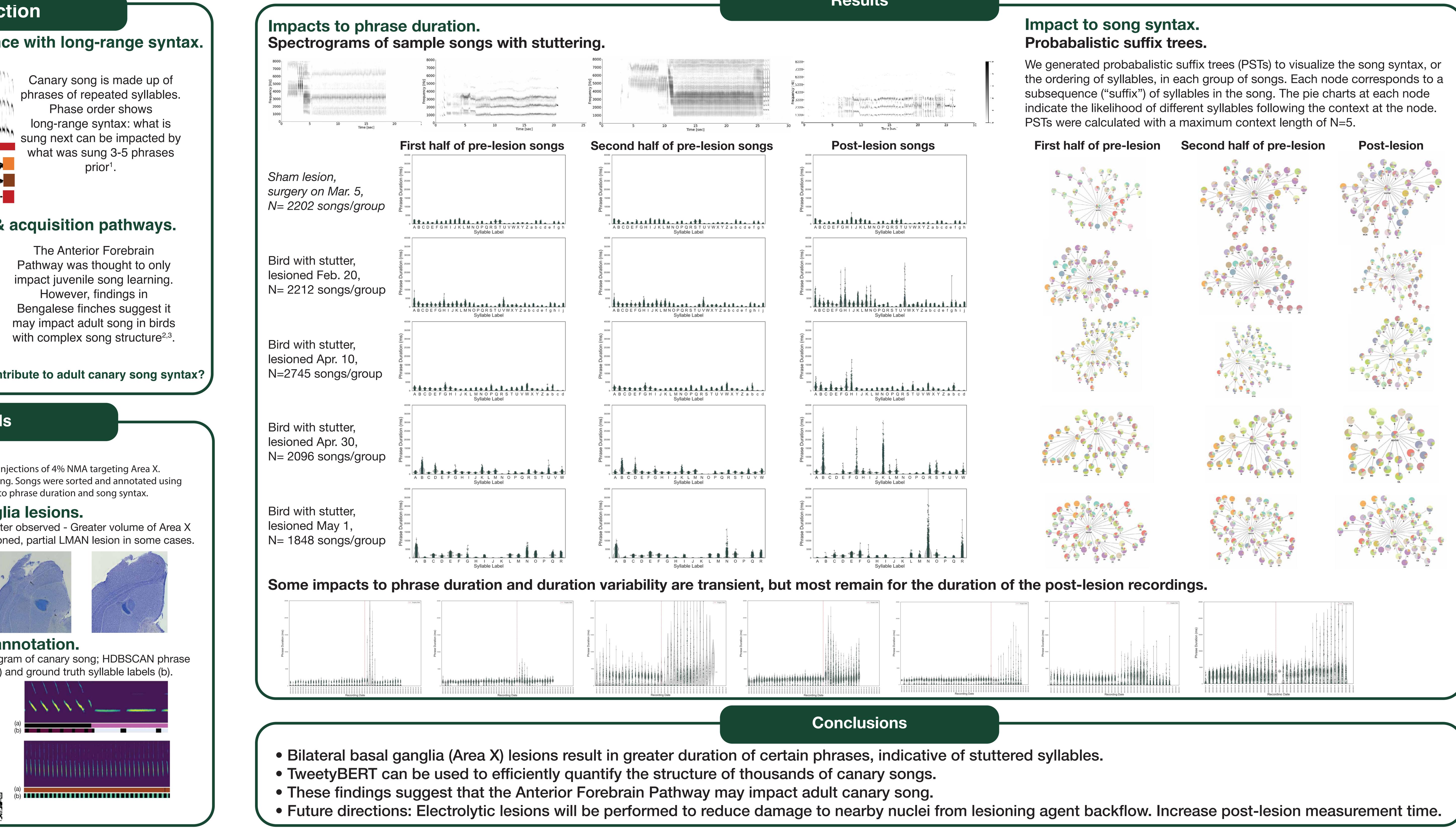












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References

Markowitz et al. (2013). Long-range order in canary song. PLoS Computational Biology, 9(5), e1003052.
Kobayashi et al. (2001). Partial lesions in the anterior forebrain pathway affect song production in adult Bengalese finches. Neuroreport, 12(2), 353–358.
Koparkar et al. (2024). Lesions in a songbird vocal circuit increase variability in song syntax. eLife, 13.

