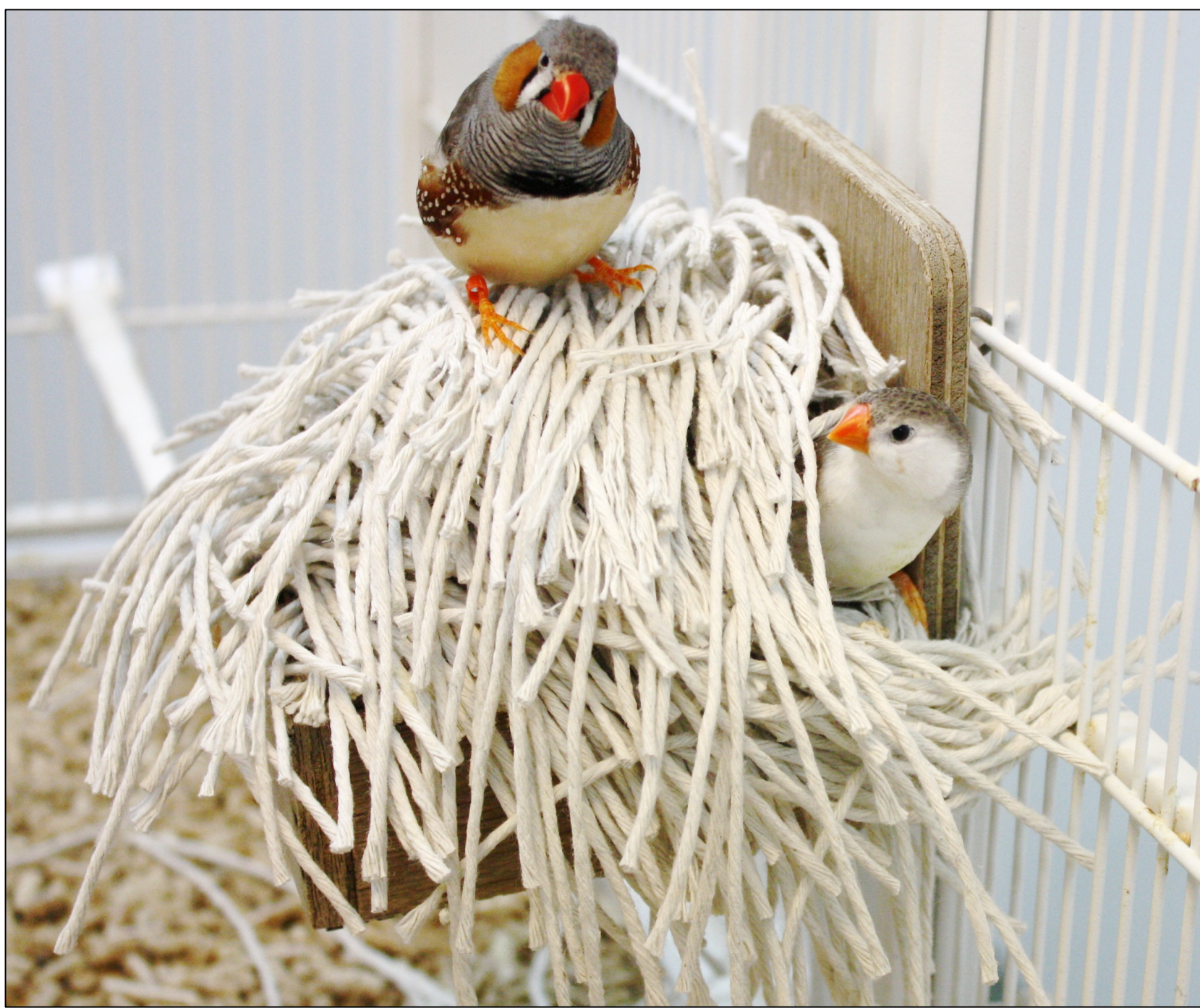


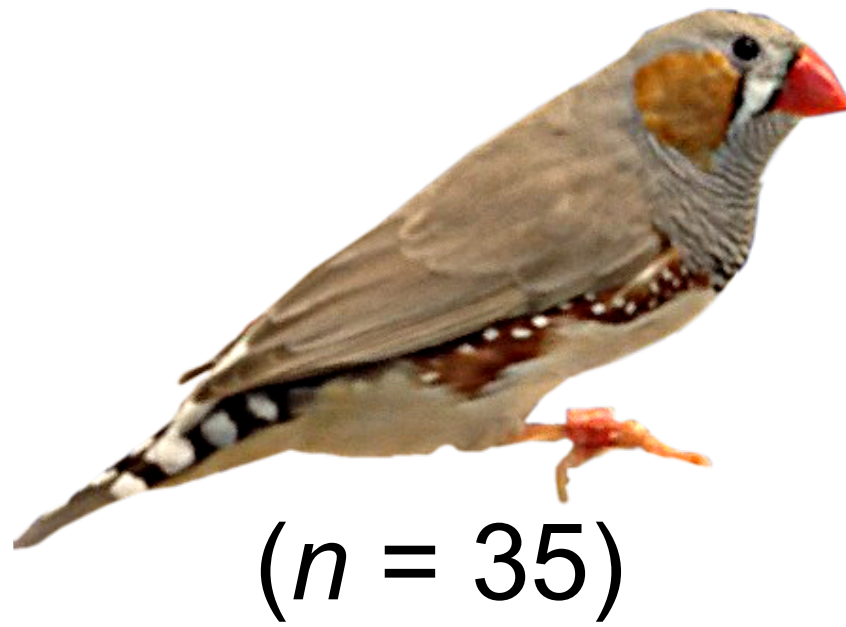
## Introduction

- Recent evidence shows that **nest building** in birds **involves flexibility** and **learning**.
- Nest building is therefore a model system to investigate material-choice decisions.
- Do birds base their choice of nest material on the physical properties of those materials?**

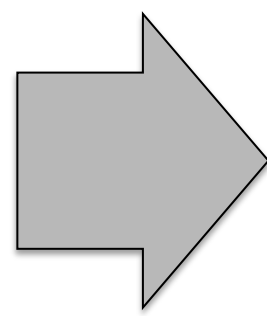


## Methods

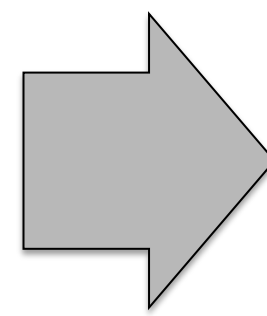
Male Zebra Finch



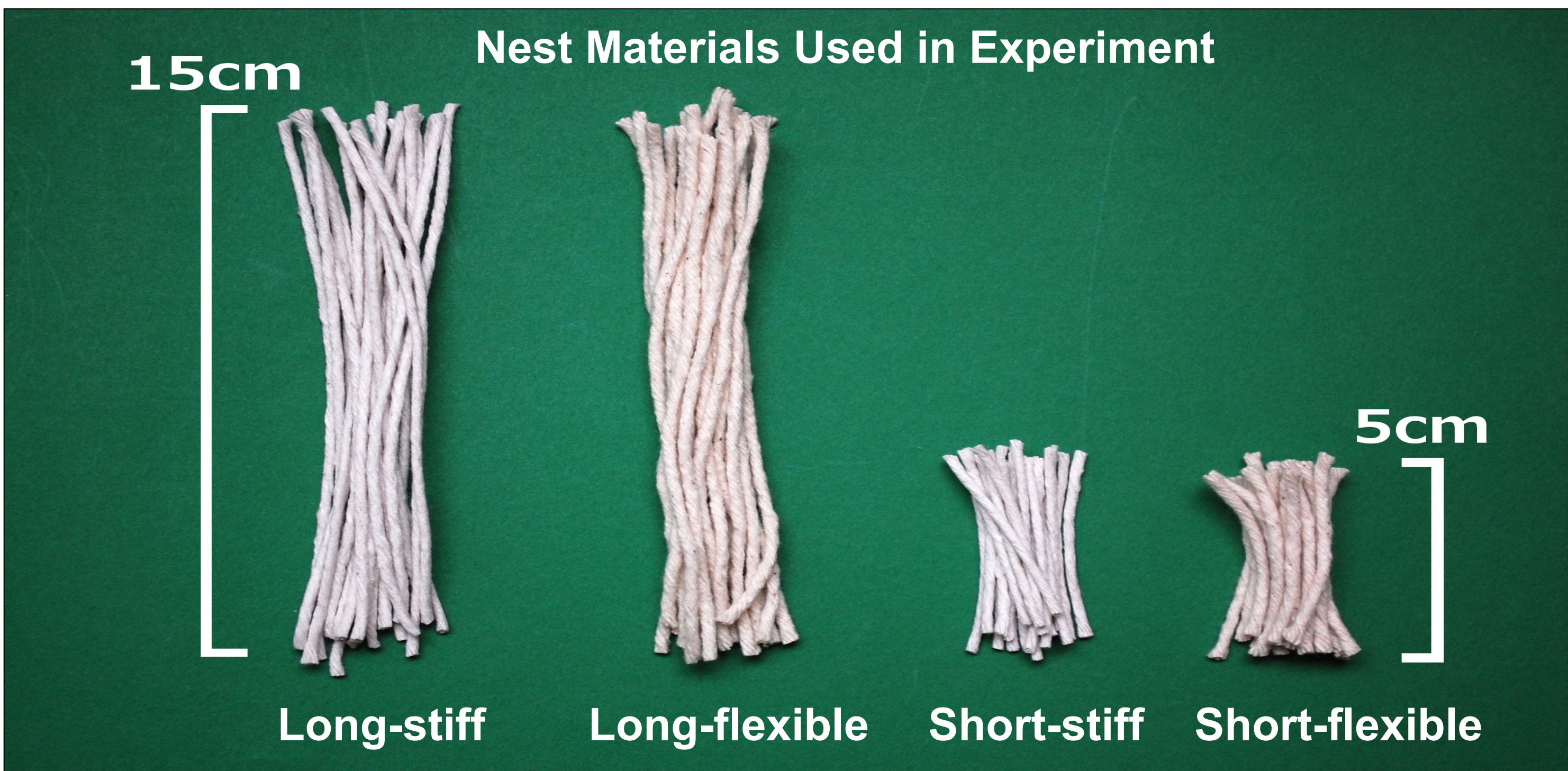
1<sup>st</sup> Preference Test



Build with one Material



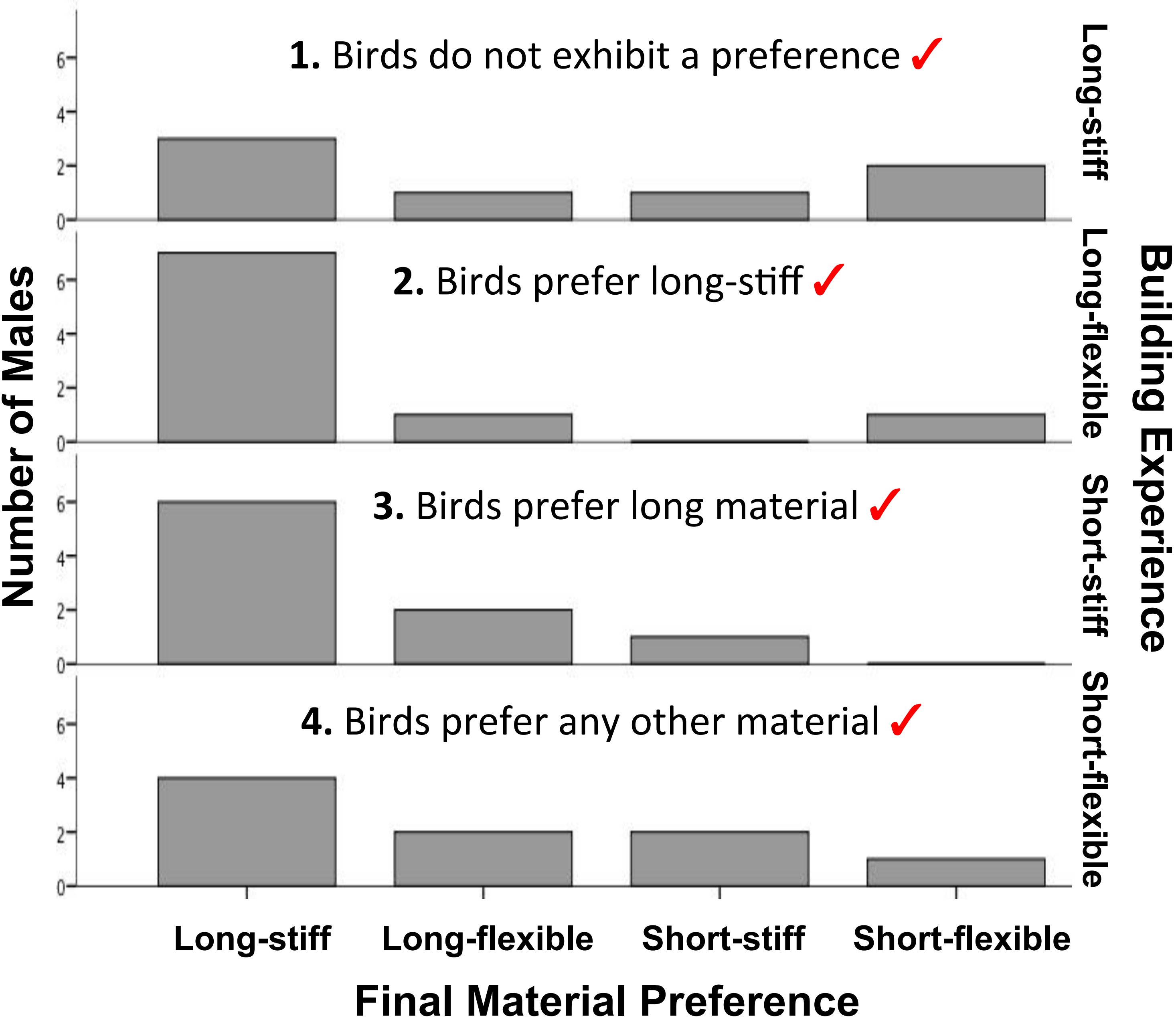
2<sup>nd</sup> Preference Test



	Building Experience	Predicted Final Preference
1.	Long-stiff	Long-stiff <i>or</i> none
2.	Long-flexible	Long-stiff <i>and/or</i> long material
3.	Short-stiff	Long-stiff <i>and/or</i> long material
4.	Short-flexible	Any other material

## Results

Building experience predicts change in material preference.



## Conclusions

- Males attend to and learn about multiple physical properties of nest materials.
- Physical cognition is a key component in nest building.
- Therefore nest building & tool use may be more alike than is currently recognized.

