

**Title:** Rhythmic displays of female gibbons offer insight into the origin of dance

**Authors:** Peng-Fei Fan<sup>a,b,1\*</sup>, Chang-Yong Ma<sup>a,b,1</sup>, Paul A. Garber<sup>c</sup>, Wen Zhang<sup>b</sup>, Han-Lan Fei<sup>b</sup>, Wen Xiao<sup>b\*</sup>

a. *School of Life Sciences, Sun Yat-sen University, Guangzhou 510275, P.R. China*

b. *Institute of Eastern-Himalaya Biodiversity Research, Dali University, Yunnan 671000, P. R. China.*

c. *Department of Anthropology Program in Ecology and Evolutionary Biology, University of Illinois, Urbana, Illinois 61801, United States of America*

1. These authors contributed equally to this study.

\*Corresponding author: Peng-Fei Fan

*School of Life Sciences, Sun Yat-sen University, Guangzhou 510275, P.R. China*

Tel: 86-139-295-45210

E-mail: [fanpf@mail.sysu.edu.cn](mailto:fanpf@mail.sysu.edu.cn).

\*Corresponding author: Wen Xiao

*Institute of Eastern-Himalaya Biodiversity Research, Dali University, Yunnan 671000, P. R. China.*

Tel: 86-138-872-17775

E-mail: [xiaowen.dali@gmail.com](mailto:xiaowen.dali@gmail.com)

Table S1. Birth dates of 12 infants produced by five adult female cao vit gibbons in four bi-female groups in Bangliang Nature Reserve, China. We distinguished G1 from G1A after the breeding male was replaced in this group. \*These two infants were born after male replacement.

| Group | Female | First                   | Second                   | Third*                 |
|-------|--------|-------------------------|--------------------------|------------------------|
| G1    | F11    | 2008.10.30 $\pm$ 6 days | 2011.12.10 $\pm$ 12 days | 2013.12.4 $\pm$ 5 days |
|       | F21    | 2008.11.30 $\pm$ 1 days | 2011.12.10 $\pm$ 12 days | 2013.11.3 $\pm$ 7 days |
| G2    | F21    | 2009.2.20               | 2011.1.24                | 2013.12.               |
| G4    | F14    | 2008.11.16              | 2012.1.31 $\pm$ 13 days  |                        |
|       | F24    | 2010.7.10 $\pm$ 5 days  | 2013.3.19                |                        |

Video legend: A short video of dancing display performed by a female (F11) in the main study group.