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## ● A check-list of longicorn beetles (Coleoptera: Cerambycidae) of Huanglong Nature Reserve, Sichuan, China

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**Abstract:** The paper listed 18 species of 16 genera belonging to the family Cerambycidae from Huanglong Nature Reserve, Sichuan, China, three of which are new record species from Sichuan, China.

**Keywords:** longicorn beetles, new records, taxonomy

## ● 中国四川黄龙保护区天牛名录

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**摘要:** 本文记录了中国四川黄龙保护区鞘翅目天牛科昆虫 16 属 18 种, 其中 3 种为四川省新纪录种。

**关键词:** 天牛, 新纪录, 分类学

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## Introduction

The Sichuan Huanglong Provincial Nature Reserve is located in Songpan County, Aba Tibetan and Qiang Autonomous Prefecture, Sichuan Province, China. It serves as a critical corridor for the exchange of giant panda populations within the Minshan Mountain Range and has been designated as a Class A priority conservation area.

From July to August 2024, the corresponding author was invited by Professor Fu-Ming Shi (Hebei University, Baoding, China) to participate in an insect resource survey in Huanglong Nature Reserve, Sichuan. During this survey, a total of 18 species belonging to three subfamilies were collected and identified, including three species were reported for the first time in the Sichuan Province, China.

## Material and methods

All habitus photographs were taken with a Canon 5D Mark II digital camera equipped with a Canon EF 100mm f/2.8L IS USM lens. All photographs were edited using Adobe Photoshop CC.

The materials examined for this study also referenced the works of Hua *et al.* (2009) and Jiang & Chen (2001). The specimens are deposited in the Insect Collection, College of Agriculture, Yangtze University, Jingzhou, Hubei, China (YZU).

## List of species

### Family Cerambycidae Latreille, 1802

#### Subfamily Lepturinae Latreille, 1802

##### 1. *Carilia latiuscula* (Holzschuh, 1993) 阔翅银花天牛

Fig. 1A

**Material examined.** 1♂, **China: Sichuan**, Songpan, Munigou, July 21, 2024, coll. by Yun Li.

**Distribution.** China (Sichuan).

##### 2. *Ischnostrangalis davidi* (Pic, 1934) 大卫纤花天牛

Figs 1B, C

**Material examined.** 1♂, **China: Sichuan**, Songpan, Fengping Village, July 26, 2024, coll. by Quan Zhang; 4♂♂3♀♀, **China: Sichuan**, Songpan, Niuqingshan, July 18, 2024, coll. by Chao-Kun Yang.

**Distribution.** China (Sichuan).

##### 3. *Lemula pilifera* Holzschuh, 1991 毛圆眼花天牛

Fig. 1D

**Material examined.** 1♀, **China: Sichuan**, Songpan, Munigou, July 21, 2024, coll. by Xiao Yang.

**Distribution.** China (Sichuan, Fujian, Hubei).

##### 4. *Leptura rufoannulata* Pic, 1933 弱带花天牛

Fig. 1E

**Material examined.** 1♀, **China: Sichuan**, Songpan, Munigou, July 21, 2024, coll. by Xiao Yang.

**Distribution.** China (Sichuan, Fujian, Hubei).

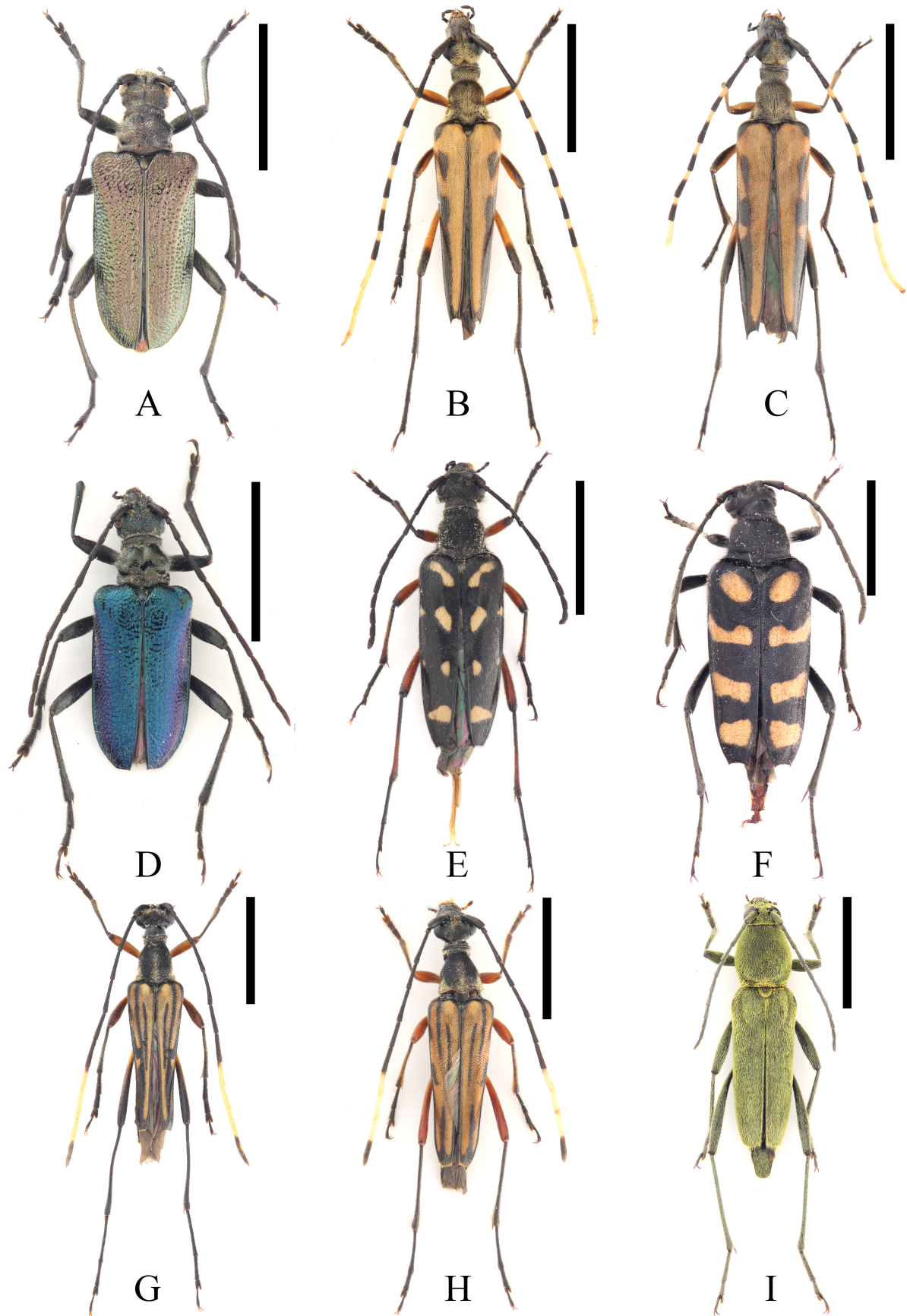


FIGURE 1. A *Carilia latiuscula* (Holzschuh, 1993) B, C *Ischnostrangalis davidi* (Pic, 1934) D *Lemula pilifera* Holzschuh, 1991 E *Leptura rufoannulata* Pic, 1933 F *Leptura barkamica* Holzschuh, 1998 G, H *Parastrangalis communis* Holzschuh, 1993 I *Chlorophorus eleodes* (Fairmaire, 1889). Scales = 5mm.

**5. *Leptura barkamica* Holzschuh, 1998 巴花天牛**

Fig. 1F

**Material examined.** 1♀, **China: Sichuan**, Songpan, Munigou (Erdaohai), August 1, 2024, coll. by Li-Kun Zhong; 1♀, **China: Sichuan**, Songpan, Munigou (Erdaohai), August 7, 2024, coll. by Ping Wang.

**Distribution.** China (Sichuan, Yunnan, Xizang).

**6. *Parastrangalis communis* Holzschuh, 1993 普异花天牛**

Figs 1G–H

**Material examined.** 1♂1♀, **China: Sichuan**, Songpan, Niuqingshan, July 18, 2024, coll. by Chao-Kun Yang.

**Distribution.** China (Sichuan).

**Subfamily Cerambycinae Latreille, 1802****7. *Chlorophorus eleodes* (Fairmaire, 1889) 榄绿虎天牛**

Figs 1I, 2A

**Material examined.** 1♂, **China: Sichuan**, Songpan, Fengping Village, July 26, 2024, coll. by Wen-Bo Yi; 1♀, **China: Sichuan**, Songpan, Shuanghe Village, August 7, coll. by Ping Wang.

**Distribution.** China (Sichuan, Hubei, Guizhou, Xizang, Shaanxi, Yunnan, Xinjiang, Jiangxi, Chongqing, Guangxi).

**8. *Cleomenes tenuipes tenuipes* Gressitt, 1939 三带纤天牛 new provincial record**

Fig. 2B

**Material examined.** 1♂, **China: Sichuan**, Songpan, Niuqingshan, July 18, 2024, coll. by Chao-Kun Yang.

**Distribution.** China (Sichuan, Shaanxi, Hubei, Zhejiang, Guangxi, Yunnan, Taiwan), Vietnam, Laos, India, Malaysia.

**9. *Demonax venosulus* Holzschuh, 2006 连纹刺虎天牛**

Fig. 2C

**Material examined.** 1♂, **China: Sichuan**, Songpan, Fengping Village, July 26, 2024, coll. by Yun Li.

**Distribution.** China (Sichuan).

**10. *Callidium flavosignatum* (Pu, 1991) 黄斑扁胸天牛 new provincial record**

Fig. 2D

**Material examined.** 1♀, **China: Sichuan**, Songpan, Munigou, July 21, 2024, coll. by Chao-Kun Yang.

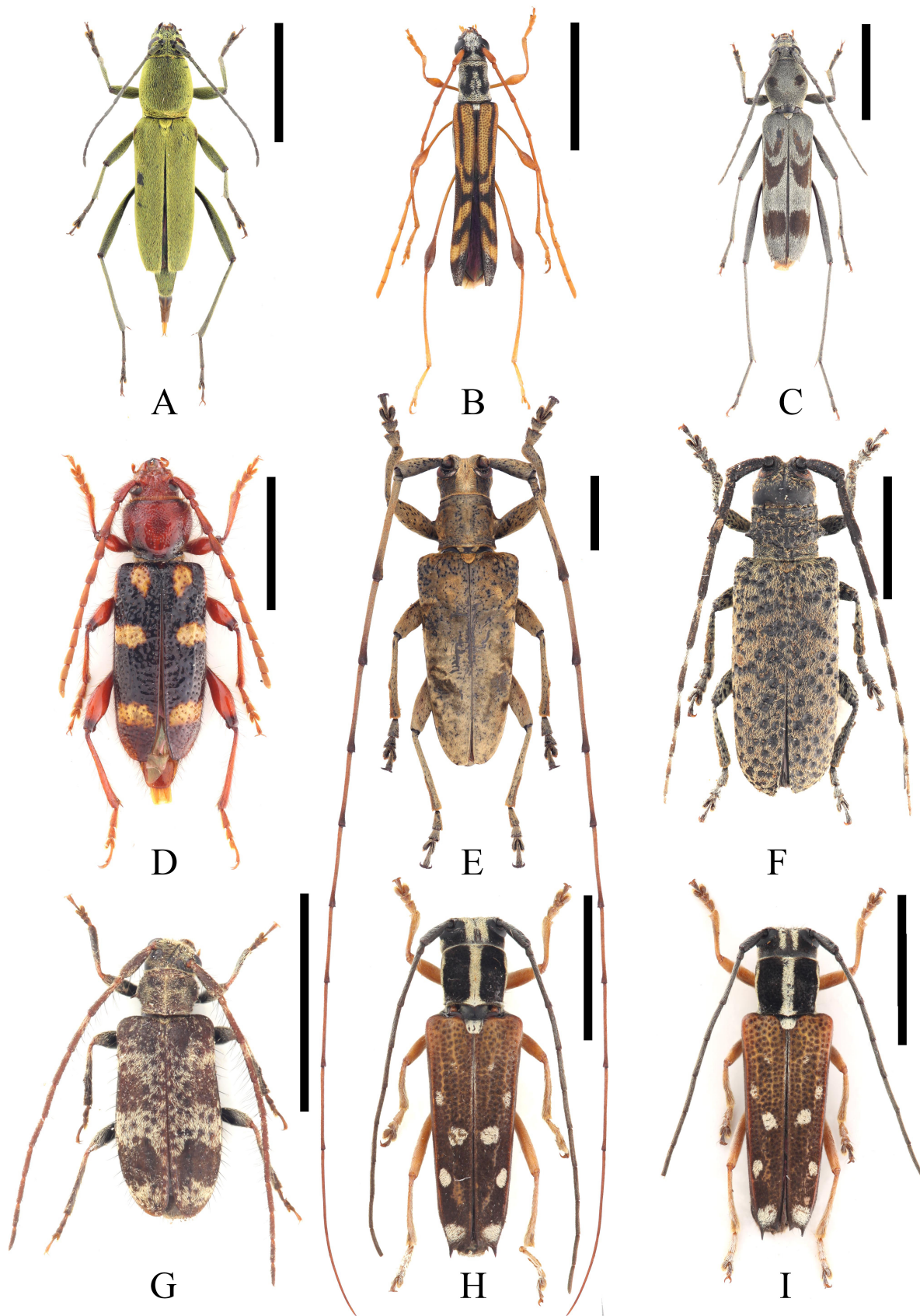
**Distribution.** China (Sichuan, Gansu, Qinhai).

**Subfamily Lamiinae Latreille, 1825****11. *Acalolepta permutans permutans* (Pascoe, 1857) 金绒锦天牛**

Fig. 2E

**Material examined.** 1♂, **China: Sichuan**, Songpan, Munigou, July 26, 2024, coll. by Chao-Kun Yang.

**Distribution.** China (Sichuan, Shaanxi, Henan, Hubei, Hunan, Anhui, Jiangxi, Zhejiang, Xizang, Guangdong, Guizhou, Guangxi, Hong Kong, Taiwan), Vietnam, Japan.



**FIGURE 2.** A *Chlorophorus eleodes* (Fairmaire, 1889) B *Cleomenes tenuipes tenuipes* Gressitt, 1939 C *Demonax venosulus* Holzschuh, 2006 D *Callidium flavosignatum* (Pu, 1991) E *Acalolepta permutans permutans* (Pascoe, 1857) F *Coscinesthes porosa* Bates, 1890 G *Exocentrus spineus* Holzschuh, 2007 H, I *Glenea relicta relicta* Pascoe, 1858. Scales = 5mm.

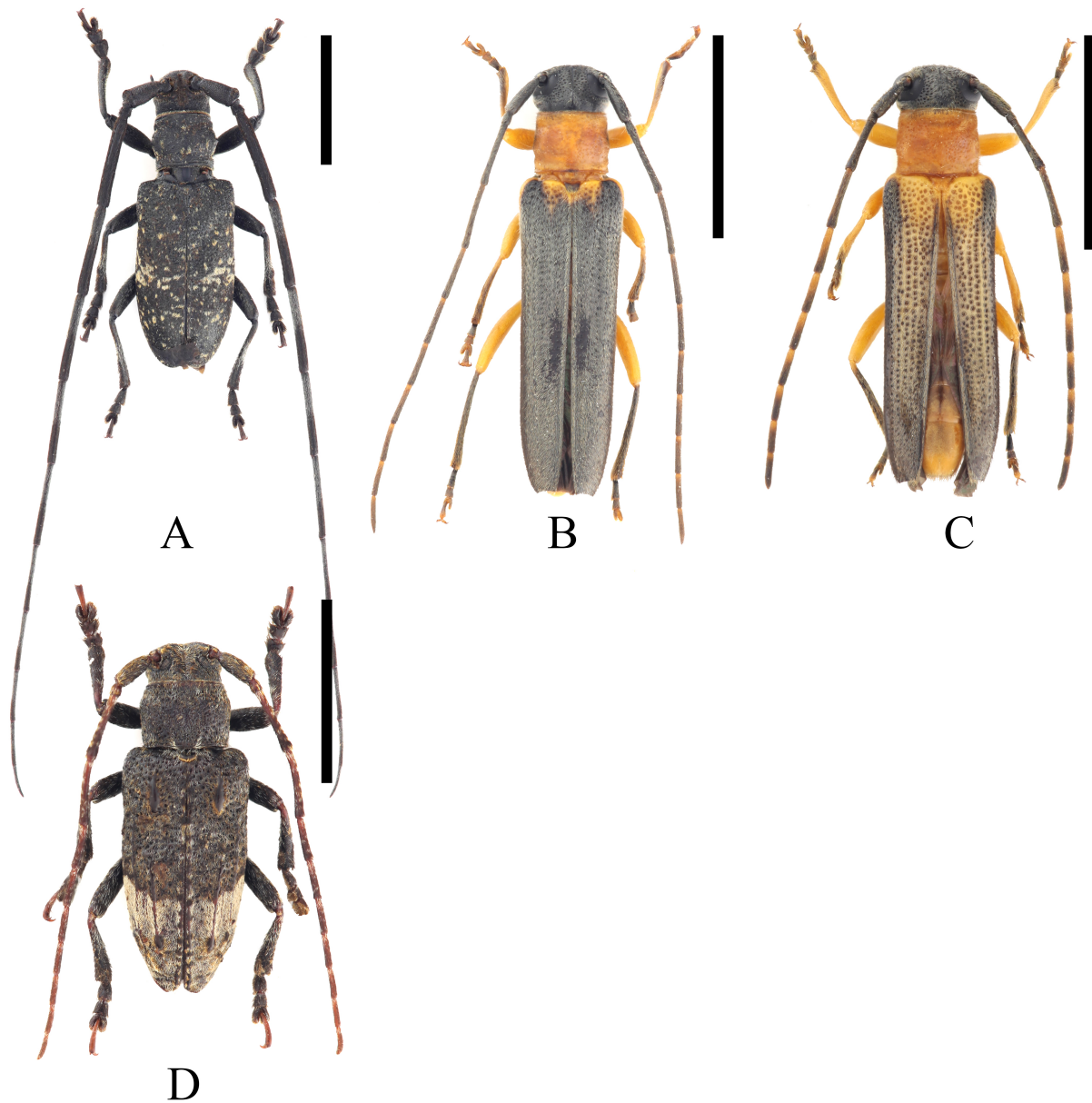


FIGURE 3. A *Monochamus sparsutus* Fairmaire, 1889 B *Nupserha infantula* (Ganglbauer, 1889) C *Nupserha testaceipes* Pic, 1926 D *Pterolophia zonata* (Bates, 1873). Scales = 5mm.

12. *Coscinesthes porosa* Bates, 1890 豹天牛

Fig. 2F

**Material examined.** 1♂, China: Sichuan, Songpan, Mofanggou, July 17, 2024, coll. by Chao-Kun Yang.

**Distribution.** China (Sichuan, Yunnan, Xizang, Zhejiang).

13. *Exocentrus spineus* Holzschuh, 2007 刺勾天牛

Fig. 2G

**Material examined.** 1♂, China: Sichuan, Songpan, Fengping Village, July 26, 2024, coll. by Wen-Bo Yi.

**Distribution.** China (Sichuan, Shaanxi, Guizhou).

14. *Glenea relicta relicta* Pascoe, 1858 榆并脊天牛

Figs 2H-I

**Material examined.** 1♀, **China: Sichuan**, Songpan, Niuqingshan, July 18, 2024, coll. by Chao-Kun Yang; 1♂, **China: Sichuan**, Songpan, Shuanghe Village, August 7, 2024, coll. by Ping Wang.

**Distribution.** China (Sichuan, Hubei, Jiangxi, Zhejiang, Jiangsu, Anhui, Shaanxi, Guizhou, Hunan, Fujian, Guangxi, Hainan, Guangdong), Vietnam, India, South Korea.

**15. *Monochamus sparsutus* Fairmaire, 1889 麻斑墨天牛**

Fig. 3A

**Material examined.** 1♂, **China: Sichuan**, Songpan, Fengping Village, July 26, 2024, coll. by Wen-Bo Yi.

**Distribution.** China (Sichuan, Anhui, Fujian, Henan, Hubei, Hunan, Jiangxi, Shaanxi, Taiwan, Yunnan, Zhejiang).

**16. *Nupserha infantula* (Ganglbauer, 1889) 黑翅脊筒天牛**

Fig. 3B

**Material examined.** 5♂♂5♀♀, **China: Sichuan**, Songpan, Shuanghe Village, August 7, coll. by Ping Wang.

**Distribution.** China (Sichuan, Hubei, Shaanxi, Yunnan, Gansu, Guizhou, Hebei, Hunan, Zhejiang, Guangxi, Fujian, Jiangxi, Guangdong).

**17. *Nupserha testaceipes* Pic, 1926 黄腹脊筒天牛**

Fig. 3C

**Material examined.** 1♂, **China: Sichuan**, Songpan, Niuqingshan, July 24, 2024, coll. by Yun Li.

**Distribution.** China (Sichuan, Hubei, Guizhou, Heilongjiang, Jilin, Guangxi, Hainan, Shandong, Guangdong, Gansu, Fujian, Hunan, Jiangsu, Jiangxi, Zhejiang, Anhui).

**18. *Pterolophia zonata* (Bates, 1873) 黄带坡天牛 new provincial record**

Fig. 3D

**Material examined.** 1♂, **China: Sichuan**, Songpan, Fengping Village, July 26, 2024, coll. by Quan Zhang.

**Distribution.** China (Sichuan, Taiwan), North Korea, South Korea, Japan.

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## Additional information

**Author contributions:** Conceptualization, Resources, Visualization: P Wang; Writing–original draft: N-Y Pan and M-Y Sun; Writing–review and editing: P Wang; Funding acquisition: P Wang and T-H Zhou.

**Conflict of interest:** The authors have declared that no competing interests exist.

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**Ethical statement:** No ethical statement was reported.

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