



## Digital supplementary material to

**NIE, L., NI, M., NING, D., RAN, H., HASSAN, B. & XU, Y. 2019: Comparing mechanisms of competition among introduced and resident ants in China: from behavior to trophic position (Hymenoptera: Formicidae). – Myrmecological News 29: 125-133.**

The content of this digital supplementary material was subject to the same scientific editorial processing as the article it accompanies. However, the authors are responsible for copyediting and layout.

<b>Table S1: Walking Speed Test</b>						
<b>Colony ID</b>	<b><i>S. invicta</i></b>	<b><i>S. geminata</i></b>	<b><i>A. gracilipes</i></b>	<b><i>T. melanocephalum</i></b>	<b><i>P. yeensis</i></b>	<b><i>P. longicornis</i></b>
I	Guangzhou, Guangdong	Beihai, Guangxi	Guangzhou, Guangdong	Maoming, Guangdong	Zhangzhou, Fujian	Jieyang, Guangdong
II	Guangzhou, Guangdong	Beihai, Guangxi	Maoming, Guangdong	Shaoguan, Guangdong	Shaoguan, Guangdong	Jieyang, Guangdong
III	Guangzhou, Guangdong	Beihai, Guangxi	Zhongshan, Guangdong	Huidong, Guangdong	Zhongshan, Guangdong	Shaoguan, Guangdong
IV	Guangzhou, Guangdong	Beihai, Guangxi	Dongguan, Guangdong	Dongguan, Guangdong	Hechi, Guangxi	Dongguan, Guangdong
V	Guangzhou, Guangdong	Beihai, Guangxi	Dongguan, Guangdong	Guangzhou, Guangdong	Hechi, Guangxi	Dongguan, Guangdong

<b>Table S2: Individual Aggression</b>						
<b>Colony ID</b>	<b><i>S. invicta</i></b>	<b><i>S. geminata</i></b>	<b><i>A. gracilipes</i></b>	<b><i>T. melanocephalum</i></b>	<b><i>P. yeensis</i></b>	<b><i>P. longicornis</i></b>
I	Guangzhou, Guangdong	Beihai, Guangxi	Guangzhou, Guangdong	Maoming, Guangdong	Zhangzhou, Fujian	Jieyang, Guangdong
II	Guangzhou, Guangdong	Beihai, Guangxi	Maoming, Guangdong	Shaoguan, Guangdong	Shaoguan, Guangdong	Jieyang, Guangdong
III	Guangzhou, Guangdong	Beihai, Guangxi	Zhongshan, Guangdong	Huidong, Guangdong	Zhongshan, Guangdong	Shaoguan, Guangdong
IV	Guangzhou, Guangdong	Beihai, Guangxi	Dongguan, Guangdong	Dongguan, Guangdong	Hechi, Guangxi	Dongguan, Guangdong
V	Guangzhou, Guangdong	Beihai, Guangxi	Dongguan, Guangdong	Guangzhou, Guangdong	Hechi, Guangxi	Dongguan, Guangdong

**Table S3: Group Aggression**

Colony ID	<i>S. invicta</i>	<i>S. geminata</i>	<i>A. gracilipes</i>	<i>T. melanocephalum</i>	<i>P. yeensis</i>	<i>P. longicornis</i>
I	Guangzhou, Guangdong	Beihai, Guangxi	Guangzhou, Guangdong	Maoming, Guangdong	Zhangzhou, Fujiang	Jieyang, Guangdong
II	Guangzhou, Guangdong	Beihai, Guangxi	Maoming, Guangdong	Shaoguan, Guangdong	Shaoguan, Guangdong	Jieyang, Guangdong
III	Guangzhou, Guangdong	Beihai, Guangxi	Zhongshan, Guangdong	Huidong, Guangdong	Zhongshan, Guangdong	Shaoguan, Guangdong
IV	Guangzhou, Guangdong	Beihai, Guangxi	Dongguan, Guangdong	Dongguan, Guangdong	Hechi, Guangxi	Dongguan, Guangdong
V	Guangzhou, Guangdong	Beihai, Guangxi	Dongguan, Guangdong	Guangzhou, Guangdong	Hechi, Guangxi	Dongguan, Guangdong

**Table S4: Venom Toxicity**

Colony ID	<i>S. invicta</i>	<i>S. geminata</i>	<i>A. gracilipes</i>	<i>T. melanocephalum</i>	<i>P. yeensis</i>	<i>P. longicornis</i>
I	Guangzhou, Guangdong	Beihai, Guangxi	Guangzhou, Guangdong	Shaoguan, Guangdong	Zhangzhou, Fujiang	Jieyang, Guangdong
II	Guangzhou, Guangdong	Beihai, Guangxi	Maoming, Guangdong	Huidong, Guangdong	Shaoguan, Guangdong	Dongguan, Guangdong
III	Guangzhou, Guangdong	Beihai, Guangxi	Zhongshan, Guangdong	Dongguan, Guangdong	Zhongshan, Guangdong	Dongguan, Guangdong

**Table S5: Trophic Position**

Colony ID	<i>S. geminata</i> , <i>S. invicta</i>	<i>A. gracilipes</i> , <i>S. invicta</i>	<i>T. melanocephalum</i> , <i>S. invicta</i>	<i>P. yeensis</i> , <i>S. invicta</i>	<i>P. longicornis</i> , <i>S. invicta</i>
I	Beihai, Guangxi	Guangzhou, Guangdong	Shaoguan, Guangdong	Zhangzhou, Fujiang	Jieyang, Guangdong
II	Beihai, Guangxi	Maoming, Guangdong	Huidong, Guangdong	Shaoguan, Guangdong	Dongguan, Guangdong
III	Beihai, Guangxi	Zhongshan, Guangdong	Dongguan, Guangdong	Zhongshan, Guangdong	Dongguan, Guangdong