

Supplementary material I-S4

Fauna collection protocol

In September 2019, we performed several fauna collection during our sampling campaign.

Soil mesofauna collection

Soil mesofauna was collected by heat extraction from two soil cores (5 cm diameter and 10 cm deep) sampled near the Common Garden experiment

Soil macrofauna collection

Soil macrofauna was collected by heat extraction from two soil cores (10 x 10 x 10 cm) sampled near the Common Garden experiment.

Ground macrofauna collection

Macrofauna was collected by hand on 50 x 50 cm square during the 10 minutes after litter removal near the Common Garden experiment.

Litter fauna

Litter fauna was collected by heat extraction from 2 L of litter collected near the Common Garden experiment.

Pitfall trap collected

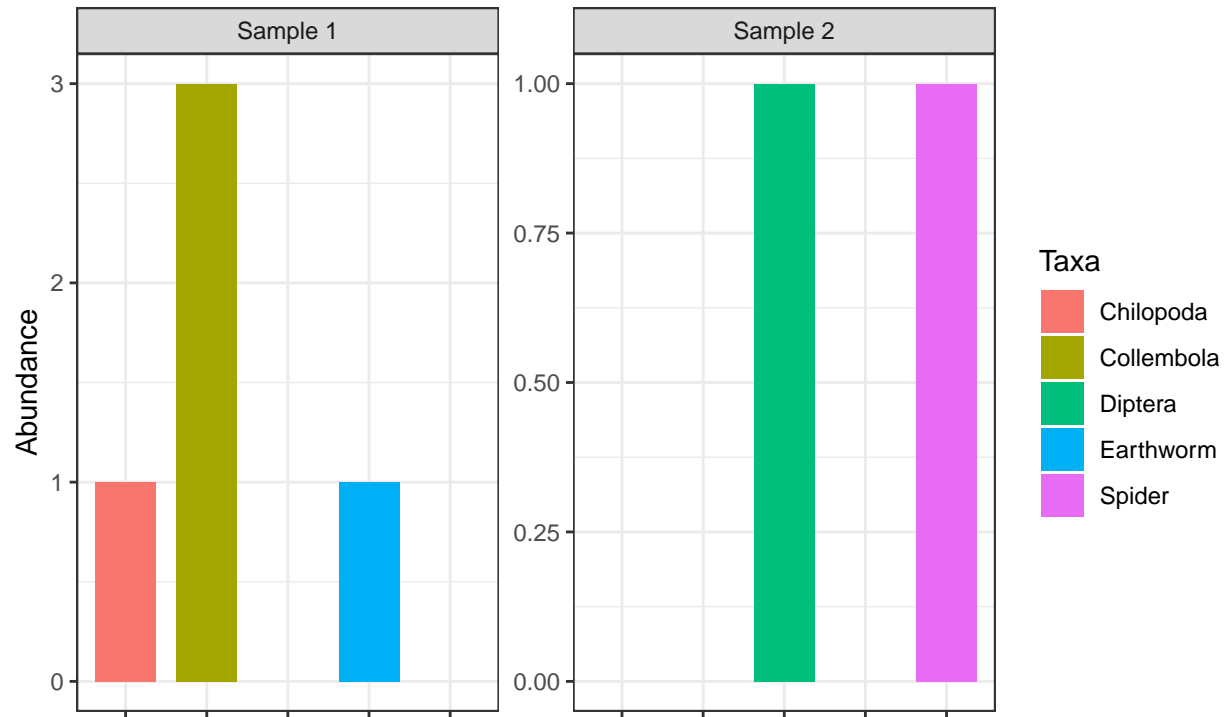
Four pitfall traps of 5 cm diameter filled with Glycerol were set for 20 days in 4 locations across BEF China.

Insect abundance

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## Warning: package 'ggplot2' was built under R version 4.1.1
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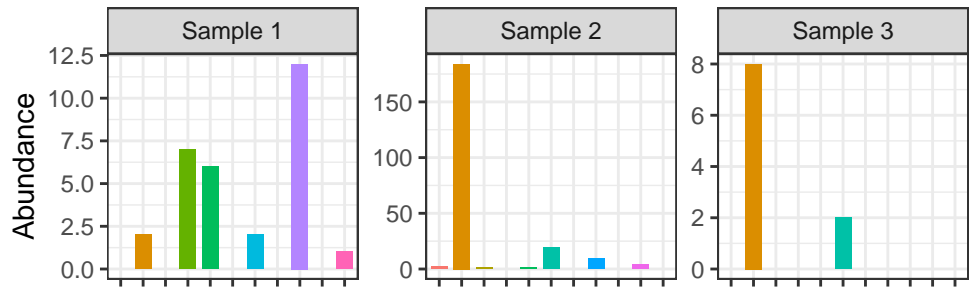
Soil mesofauna

heat extraction of 5 cm diameter and 10 cm deep soil core

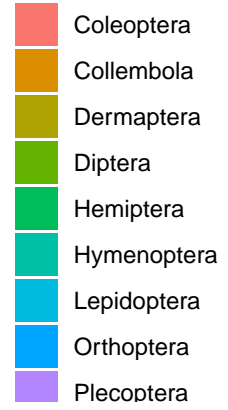


Soil macrofauna

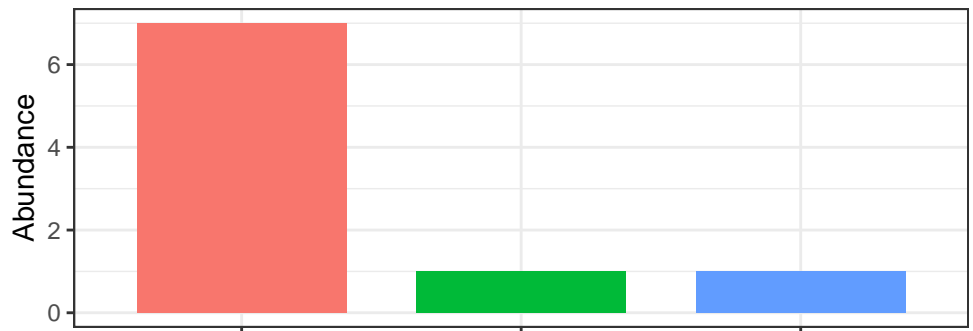
heat extraction of 10 x 10 x 10 cm soil core



taxa



manual collection on 50 x 50 cm during 10 mn after litter removal

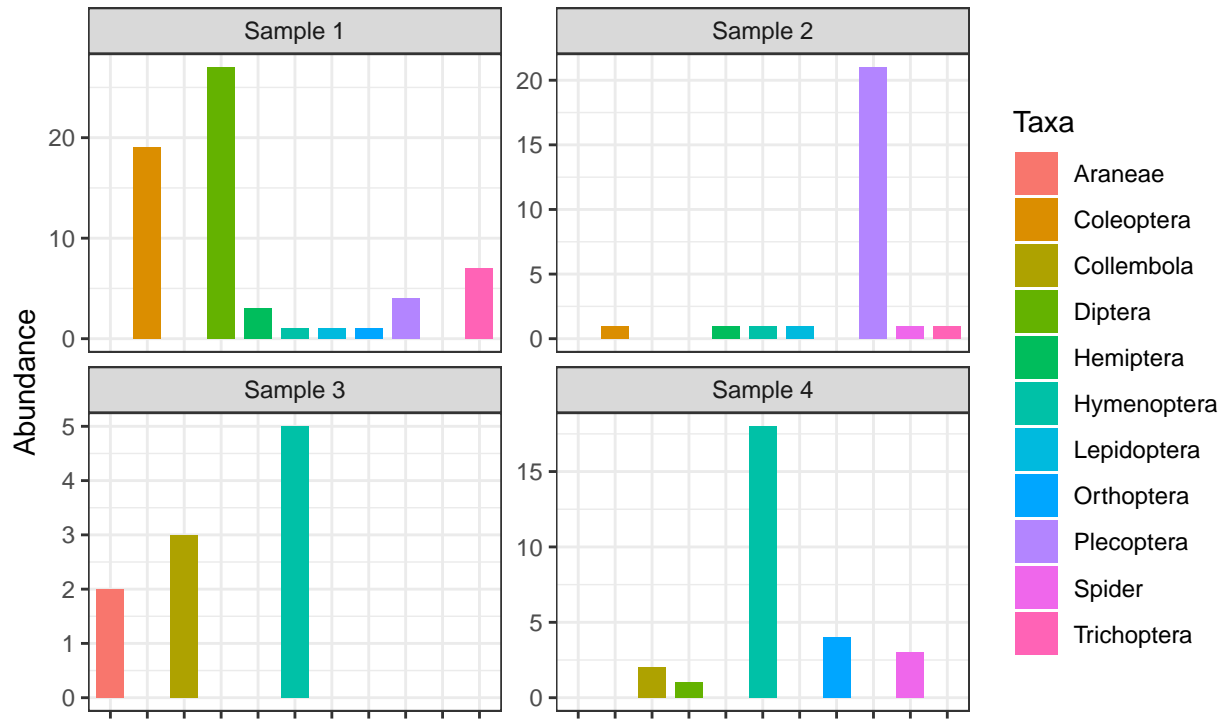


Taxa



Litter fauna

heat extraction of 1 L of litter



Ground fauna

5 cm diameter Pitfall traps set for 20 days

