Vpliv ravnanja s sečnimi ostanki na podlubnike

Maarten de Groot, Luka Capuder, Farah Kootstra, Martin Križaj, Marija Kolšek, Mitja Ferlan, Tine Hauptman

14. slovensko posvetovanje o varstvu rastlin, 9. maj, Dolenjske Toplice

GOZDARSKI INŠTITUT SLOVENIJE
SLOVENIAN FORESTRY INSTITUTE

Photo: Gilles San Martin


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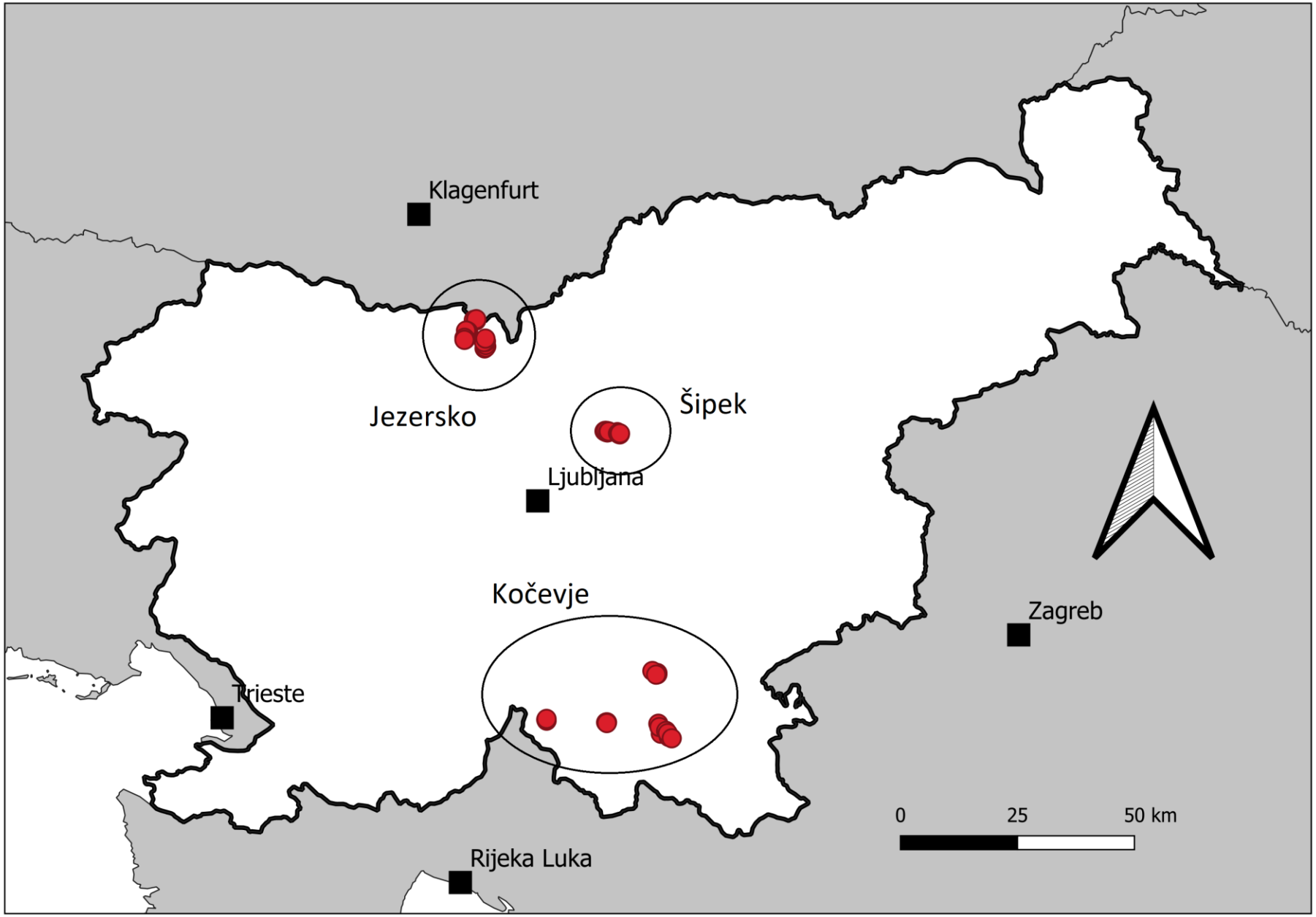
Dobra praksa

Cilji:

1. ugotoviti pomen sečnih ostankov po sečnji za nadaljnje izbruhe smrekovih podlubnikov;
2. ugotoviti vpliv geografskih in podnebnih dejavnikov ter različnih pristopov gozdnega reda za zmanjševanje tveganj za nadaljnje izbruhe podlubnikov.


Klagenfurt
Jezersko
Šipek
Ljubljana
Kočevje
Zagreb
Trieste
Rijeka Luka
0
25
50 km

vse ven

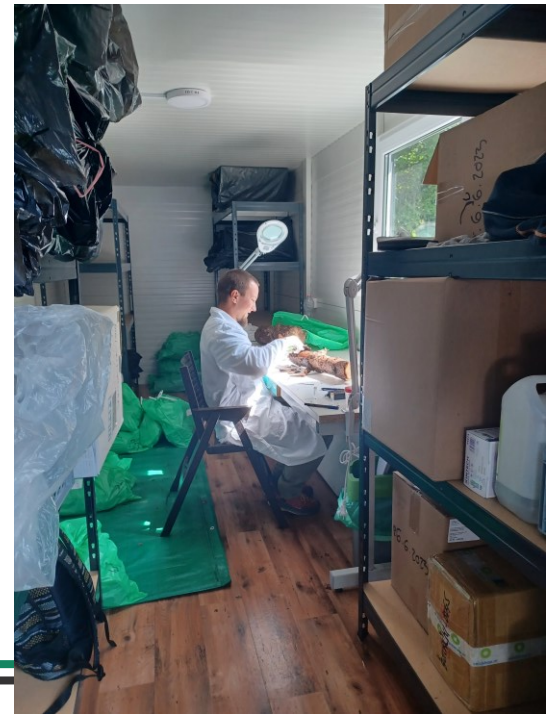
kupi

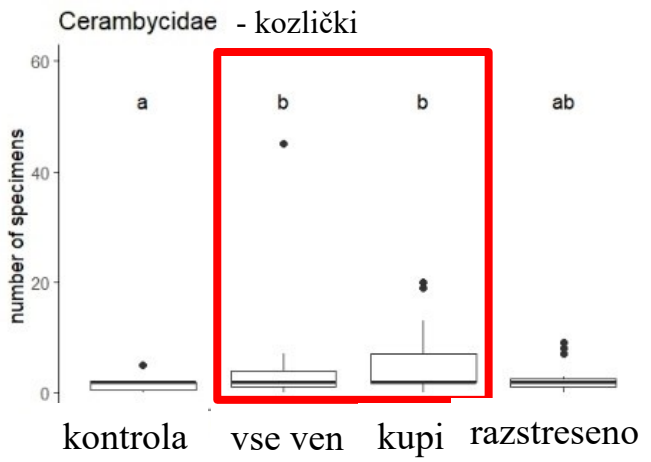
raztreseno

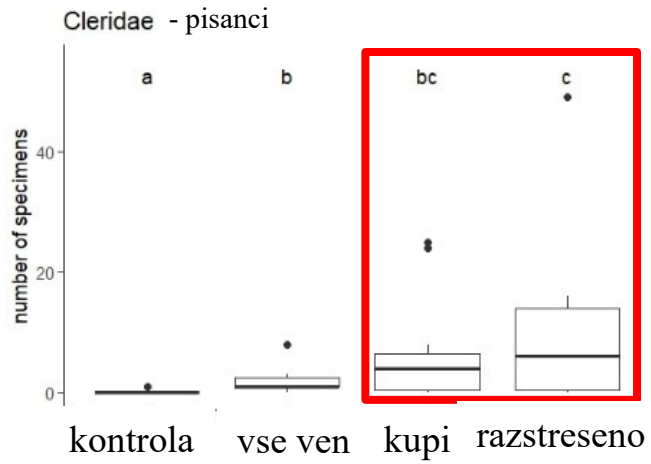
kontrola

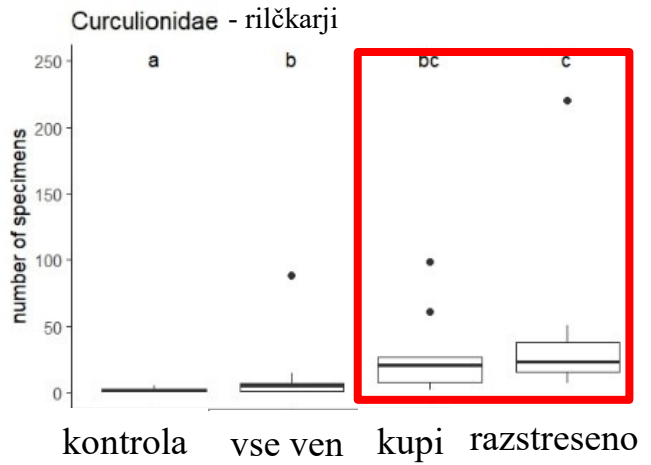
Kdaj

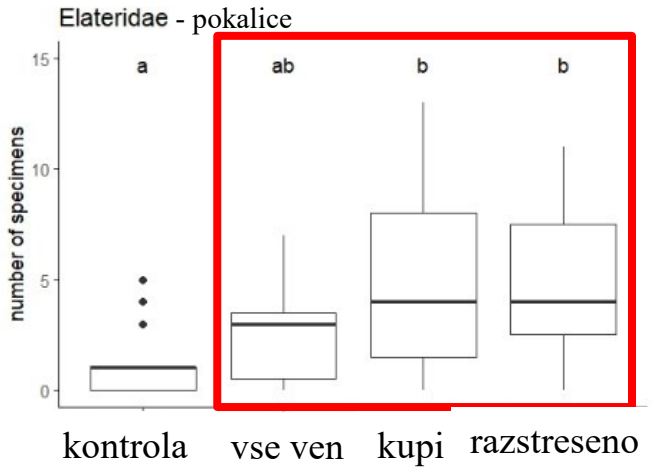
- Jezersko 28.6 – 28.7.2023;
- Šipek: 11.7 - 17.8.2023;
- Kočevje: 12.7 – 10.8.2023.

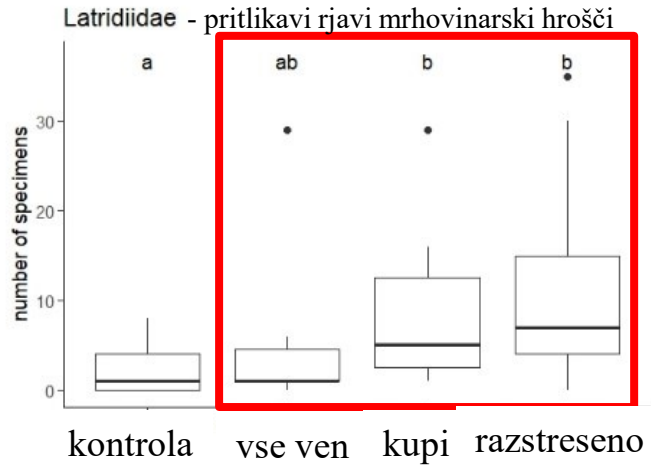


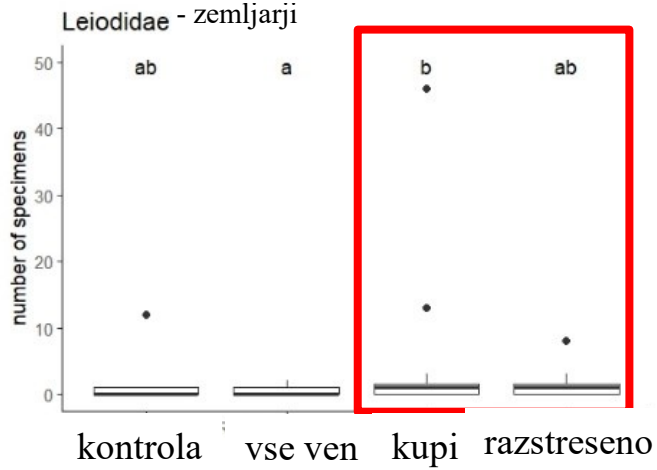

Cerambycidae - kozlički
number of specimens
a
b
b
ab
kontrola
vse ven
kupi
razstreseno

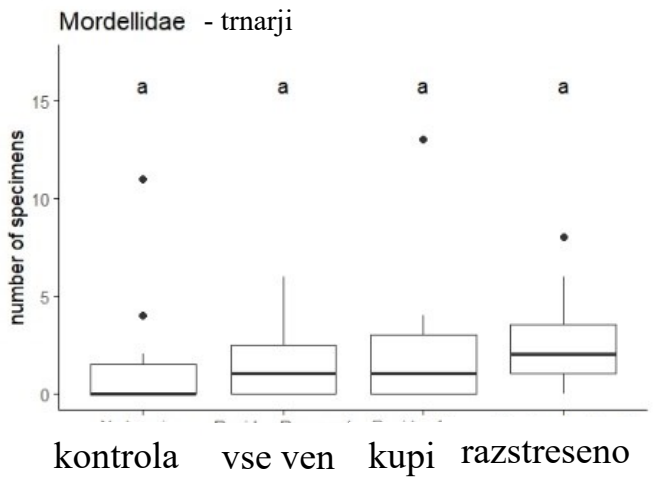

Cleridae - pisanci
number of specimens
a
b
bc
c
kontrola
vse ven
kupi
razstreseno

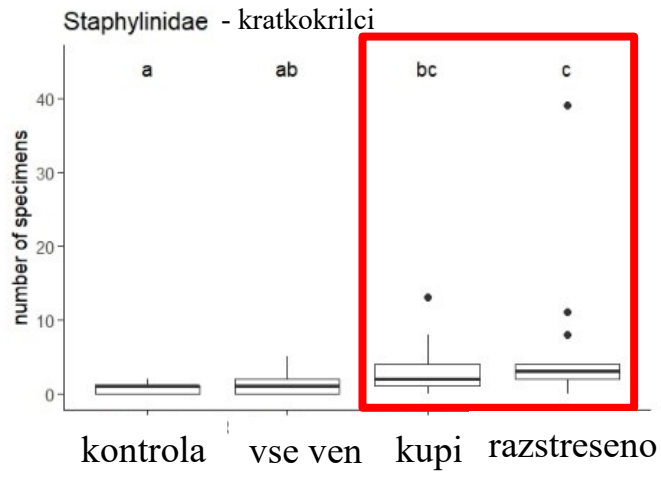

Curculionidae - rilčkarji
number of specimens
a
b
bc
c
kontrola
vse ven
kupi
razstreseno

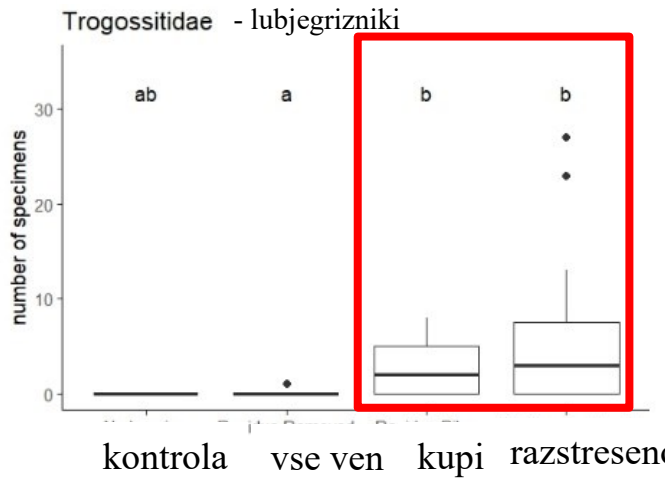

Elateridae - pokalice
number of specimens
a
ab
b
b
kontrola
vse ven
kupi
razstreseno


Latridiidae - pritlikavi rjavi mrhovinarski hrošči
number of specimens
a
ab
b
b
kontrola
vse ven
kupi
razstreseno

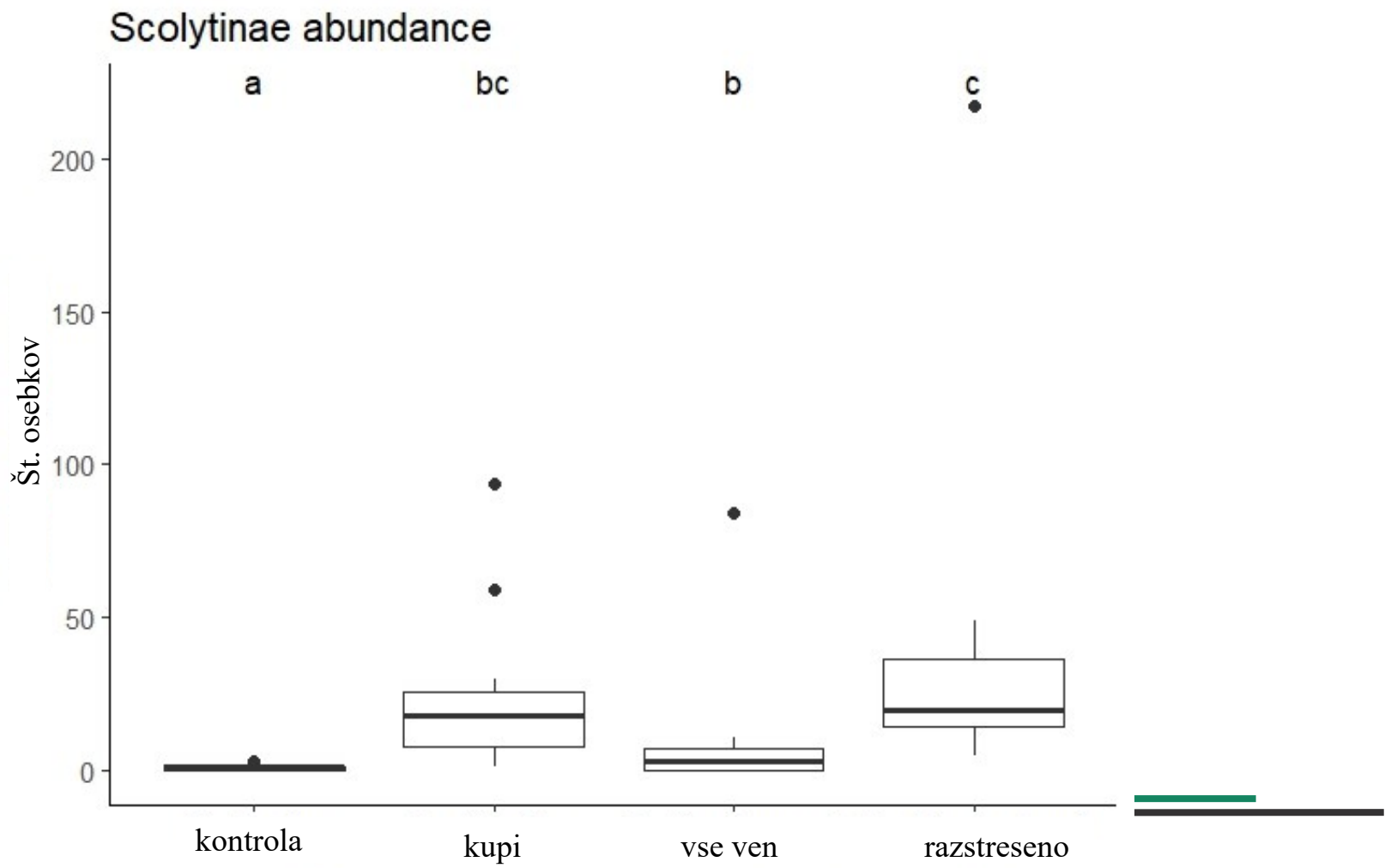

Leiodidae - zemljarji
number of specimens
ab
a
b
ab
kontrola
vse ven
kupi
razstreseno


Mordellidae - trnarji
number of specimens
a
a
a
a
kontrola
vse ven
kupi
razstreseno

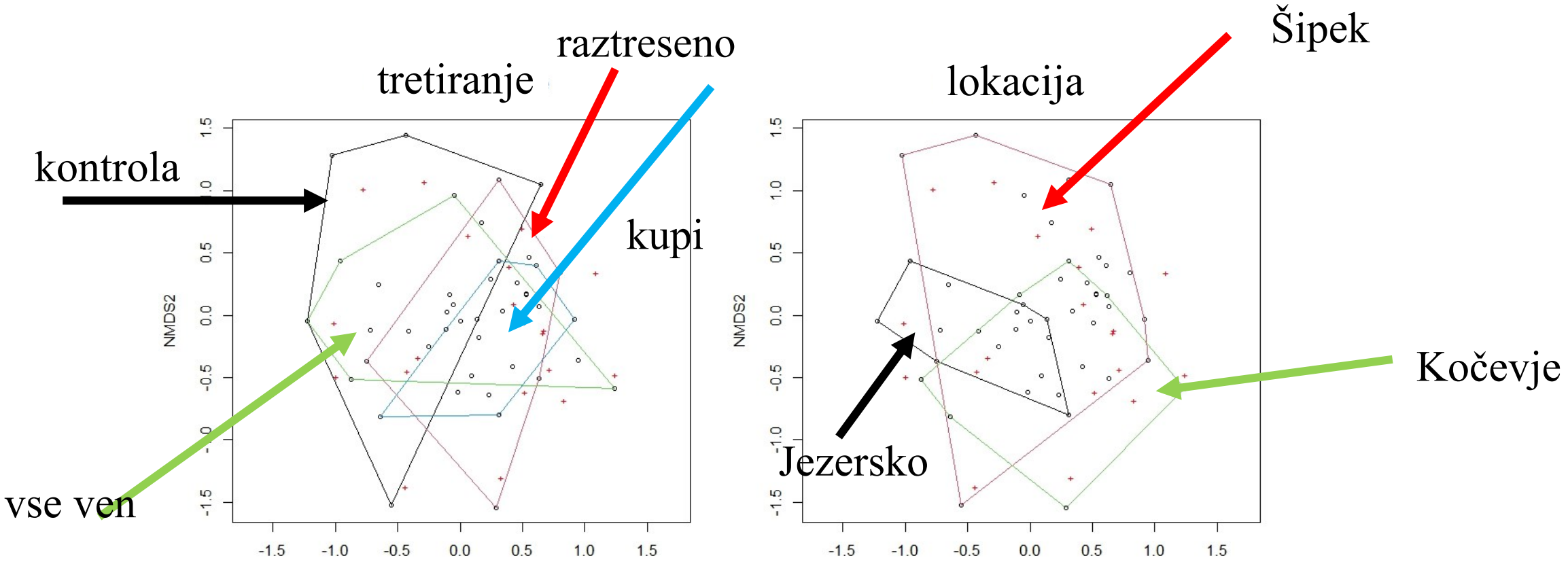

Staphylinidae - kratkokrilci
number of specimens
a
ab
bc
c
kontrola
vse ven
kupi
razstreseno


Trogossitidae - lubjegrizniki
number of specimens
ab
a
b
b
kontrola
vse ven
kupi
razstreseno

številčnost

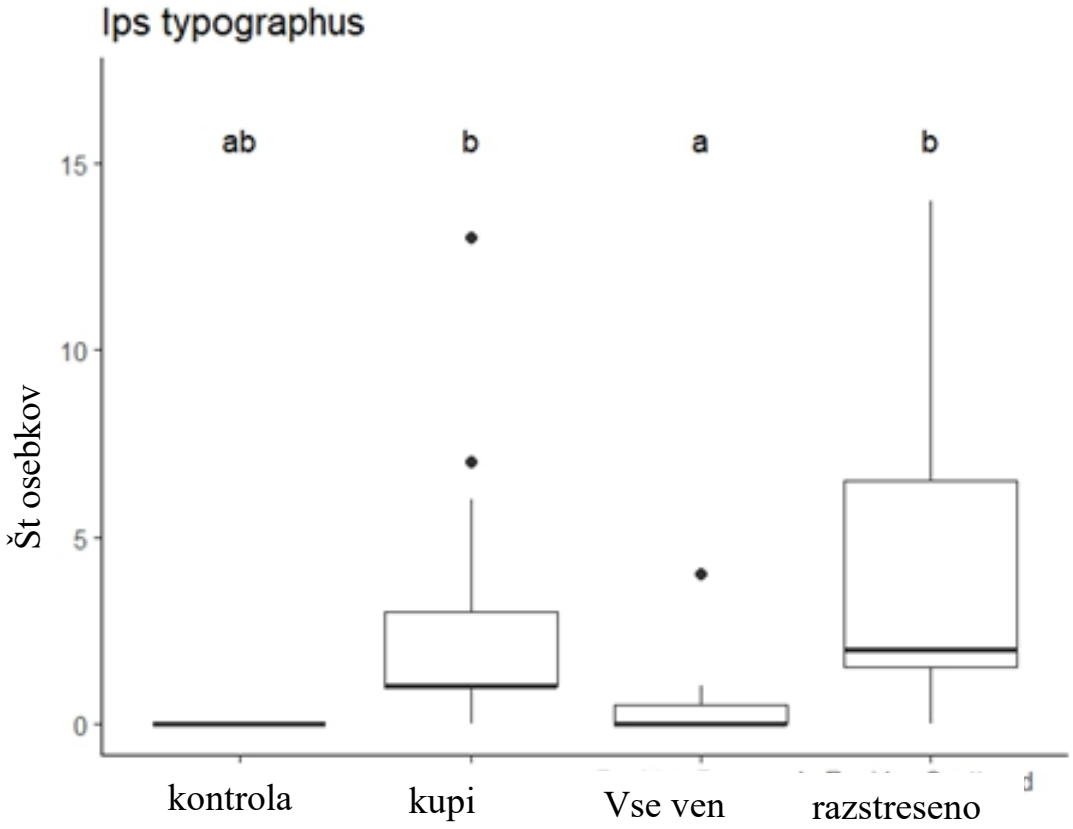


Vrstna sestava



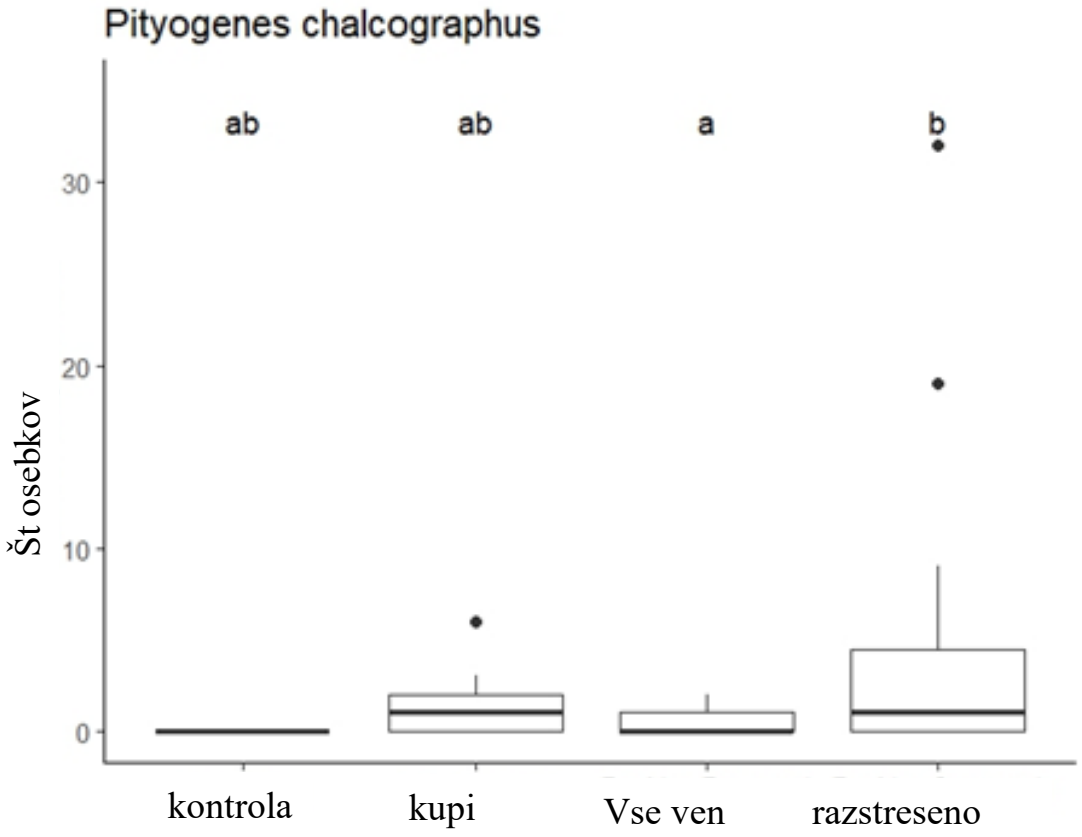
Osmerozobi smrekov lubadar - Ips typographus

Slika: Maja Jurc, University of Ljubljana, Bugwood.org

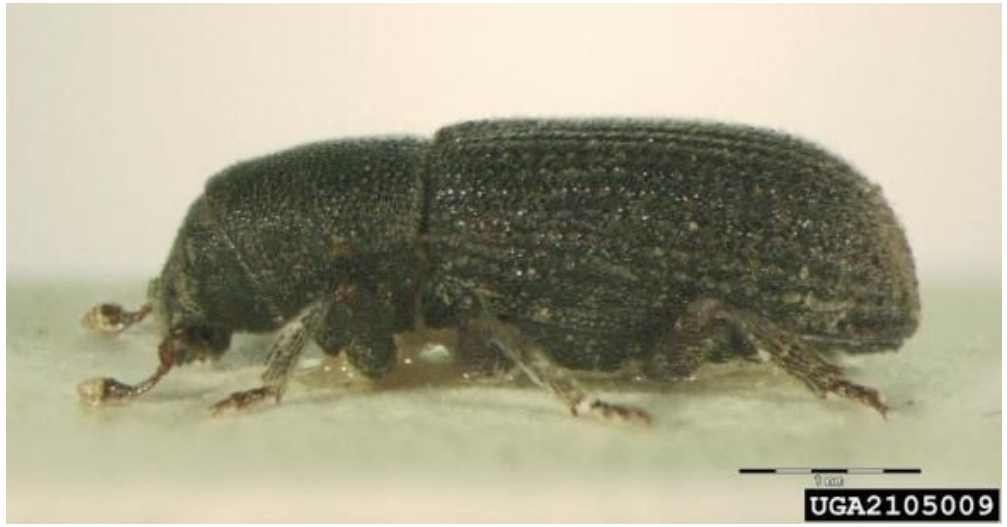


Šesterozobi smrekov lubadar - *Pityogenes chalcographus*

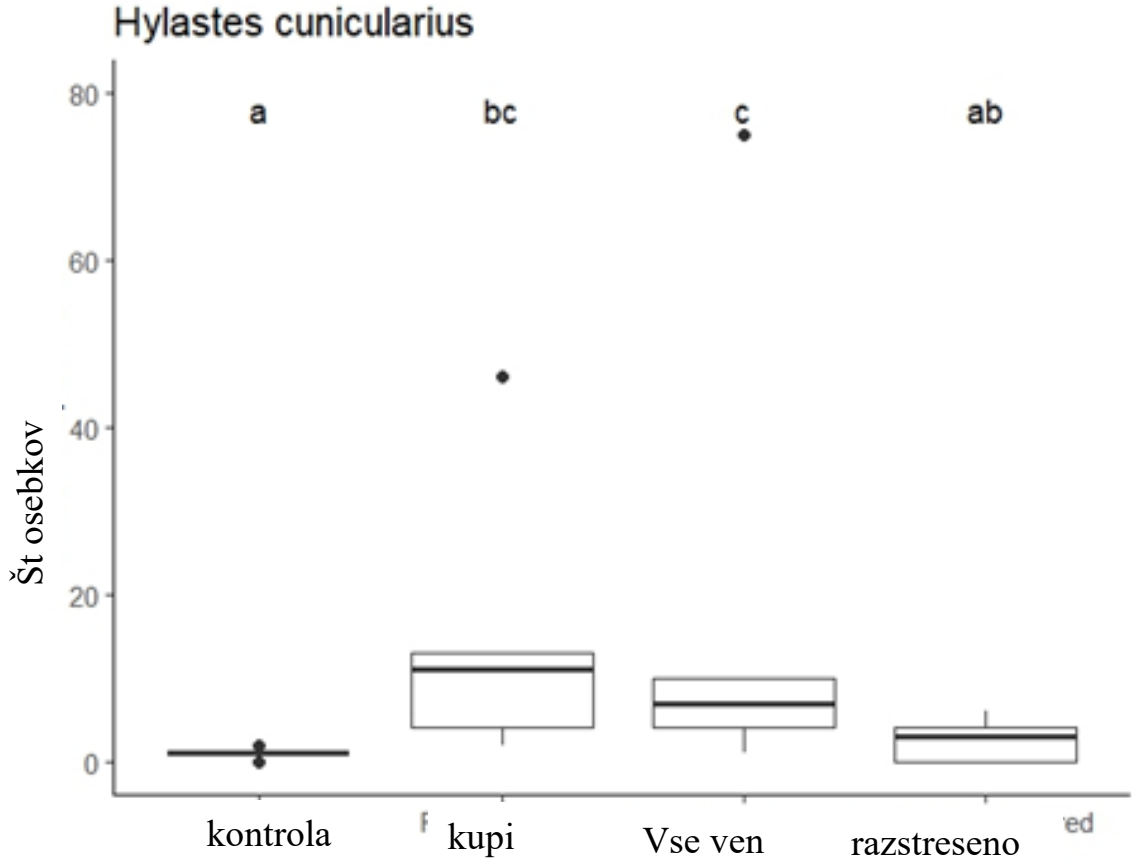
Slika: Maja Jurc, University of Ljubljana, Bugwood.org



Smrekov koreninar - *Hylastes cunicularius*

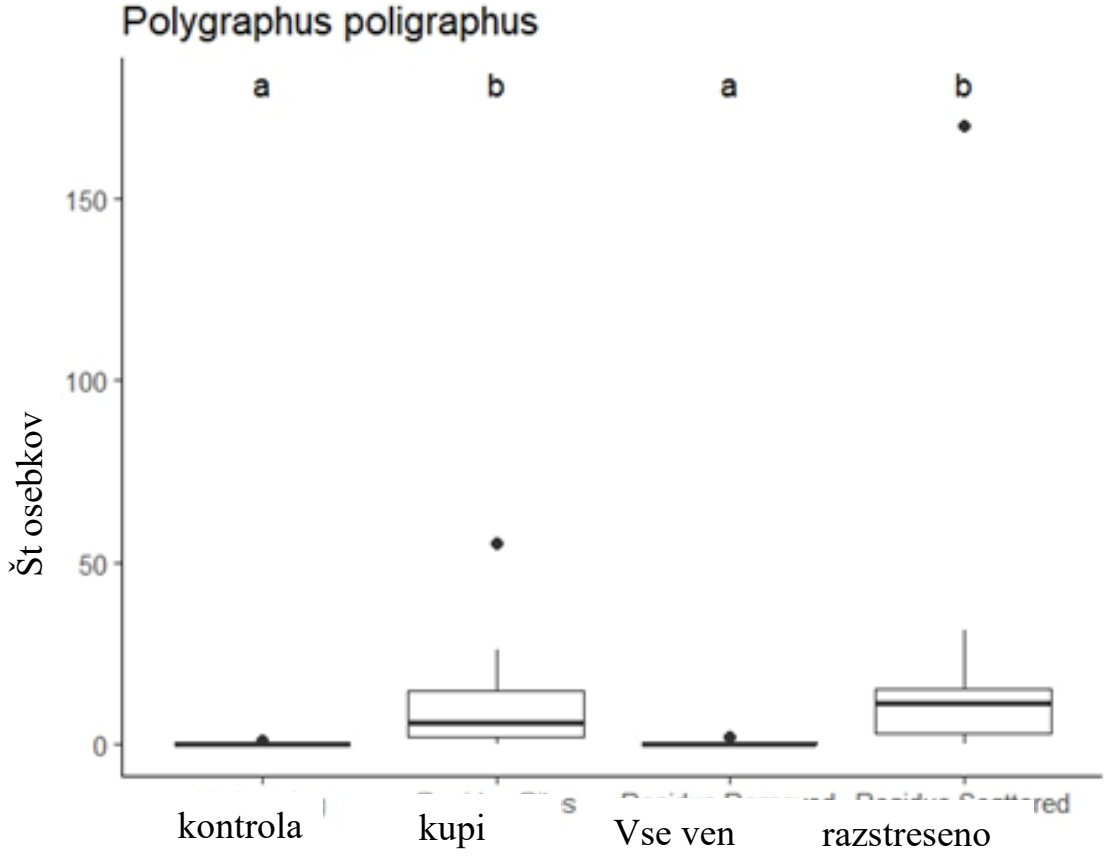


Slika: Maja Jurc, University of Ljubljana, Bugwood.org

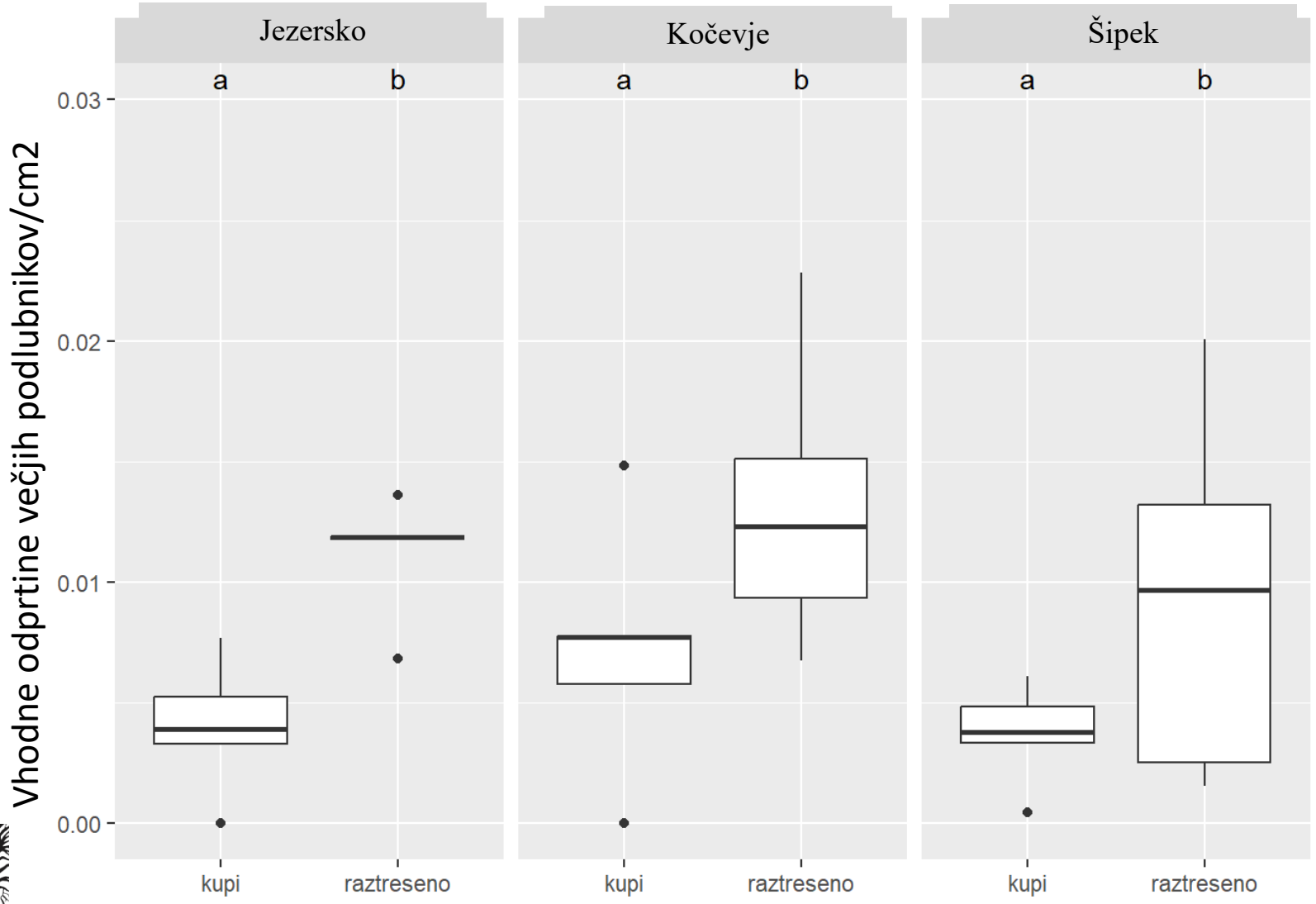


Dvojnooki smrekov ličar - *Polygraphus poligraphus*

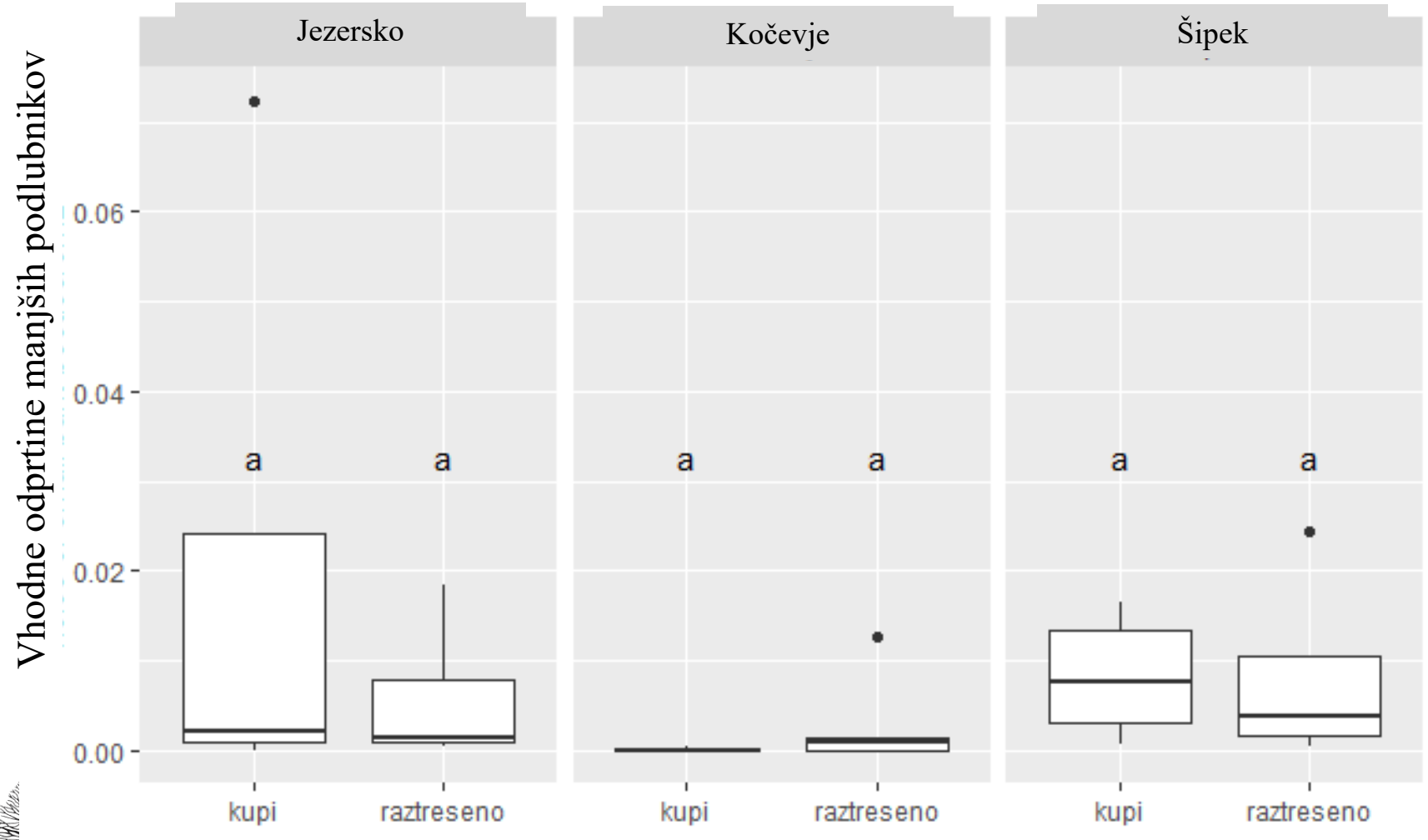
Slika: Maja Jurc, University of Ljubljana, Bugwood.org



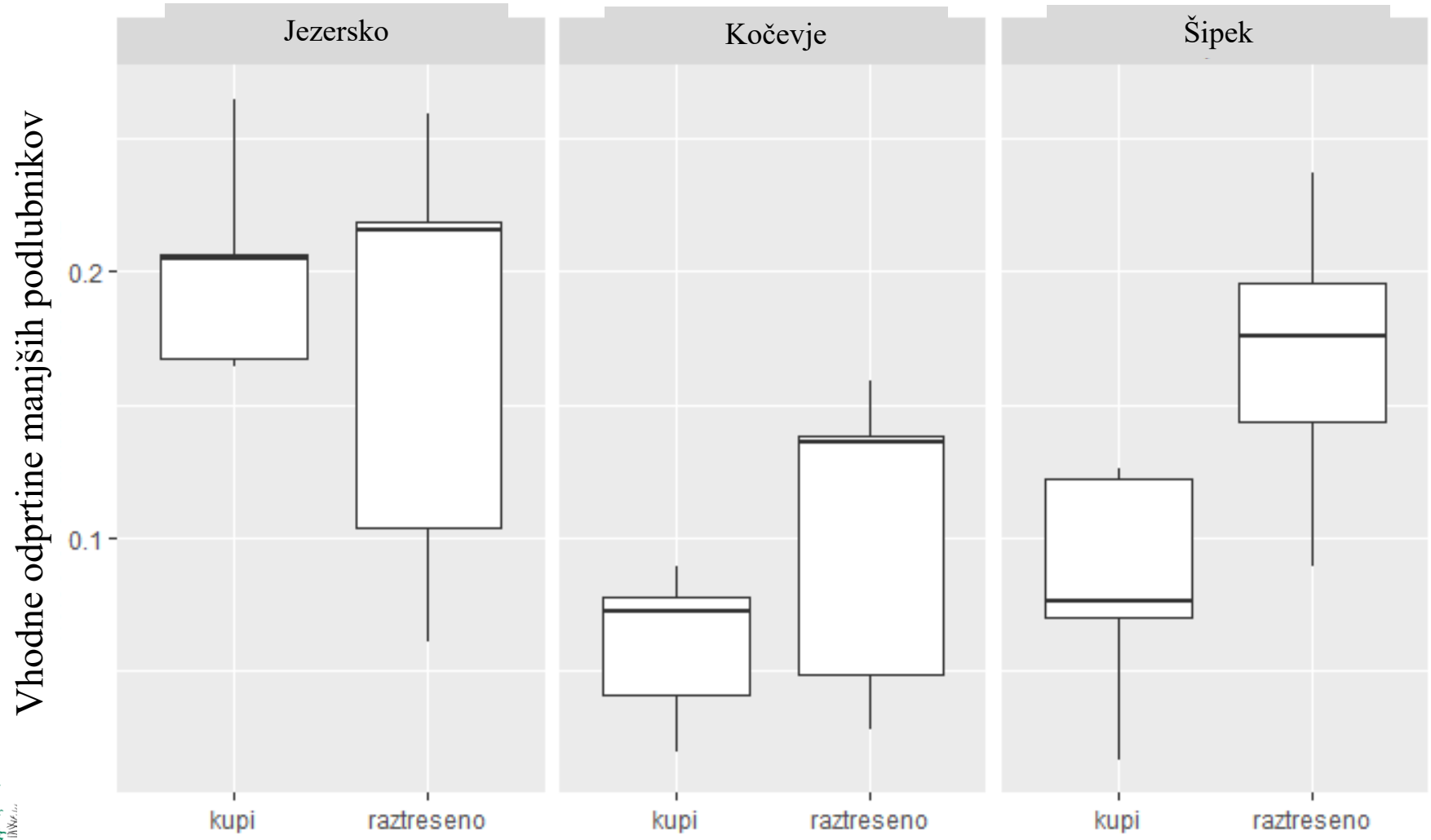
Napadenost debelejših vej



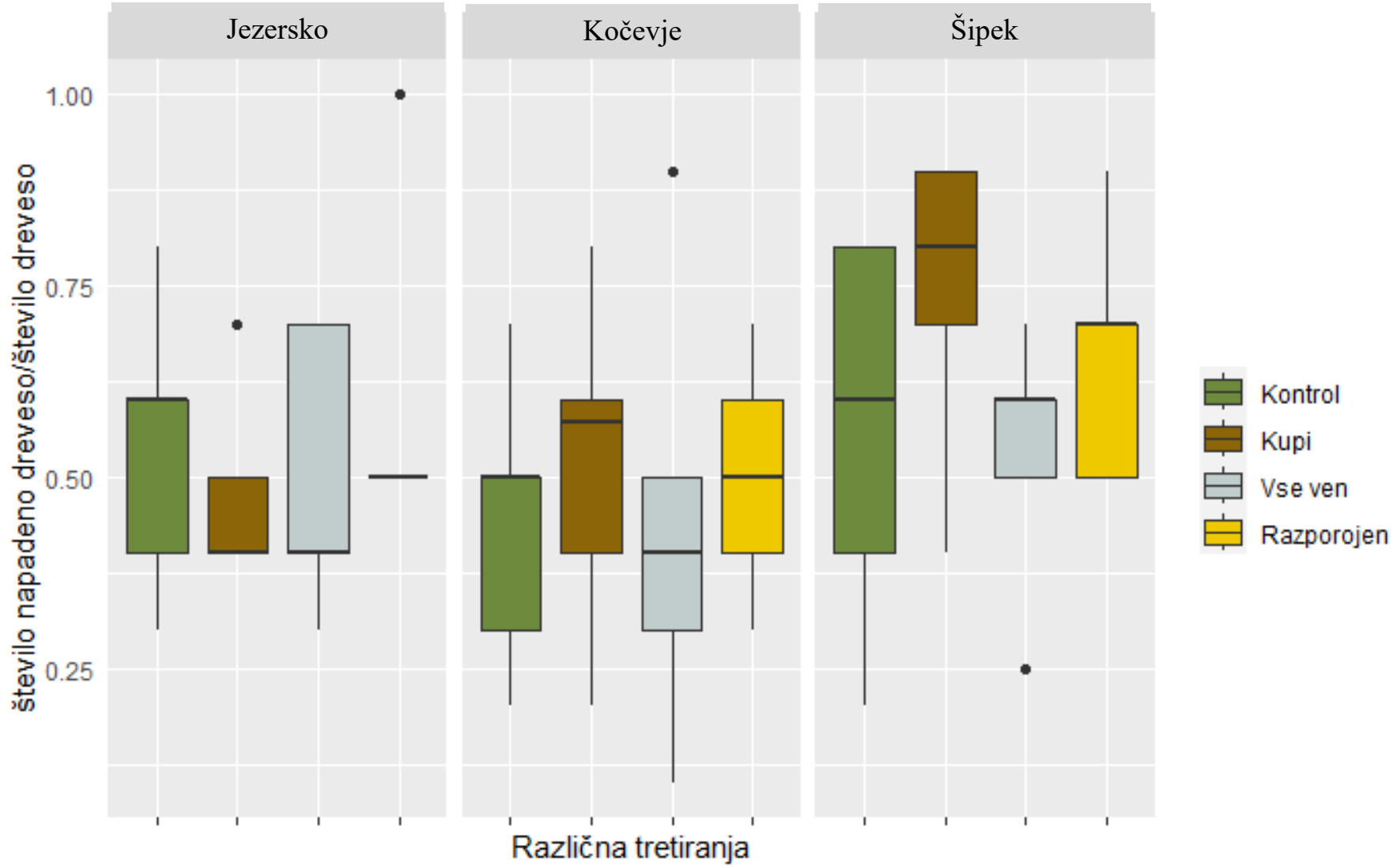
Napadenost debelejših vej



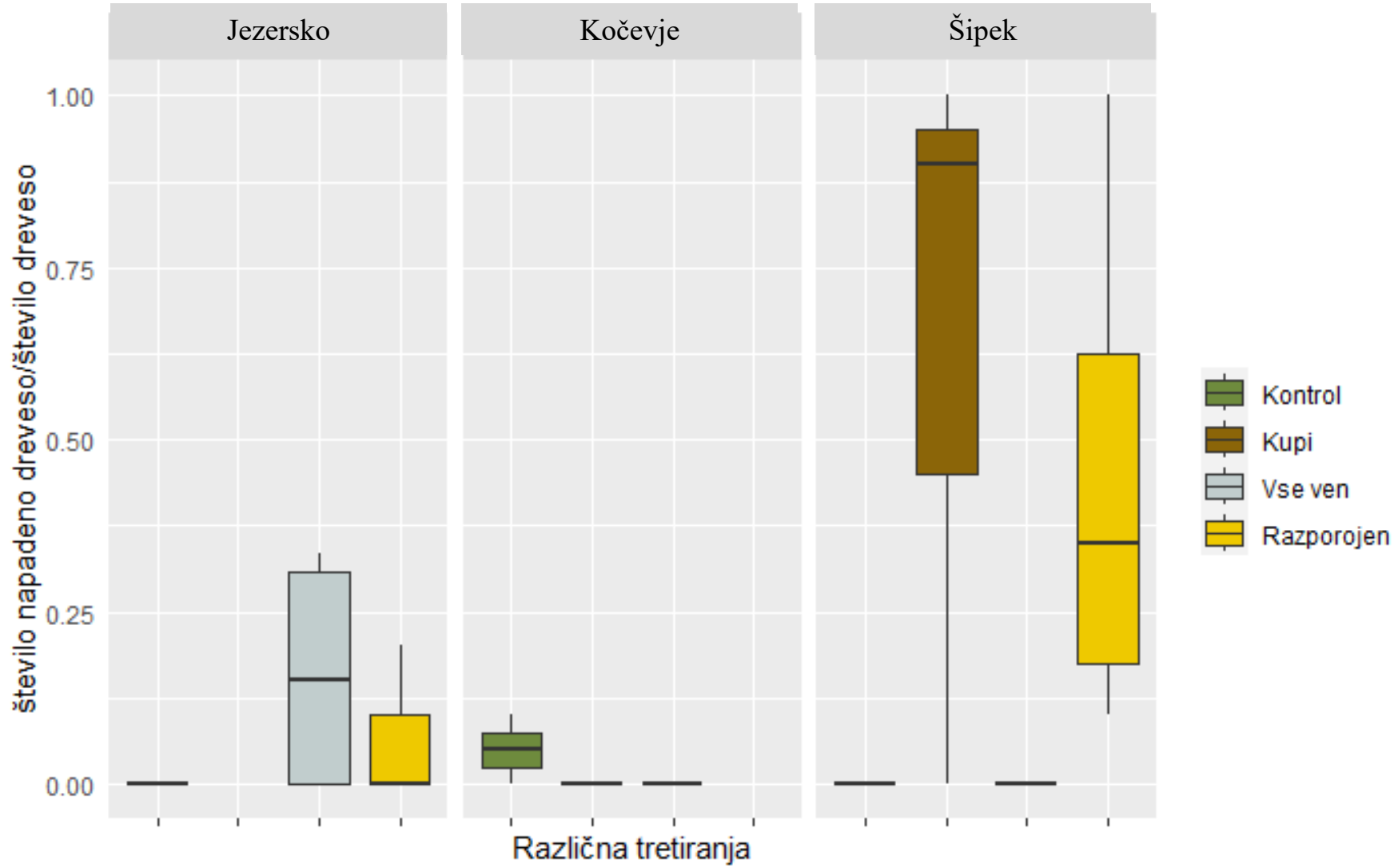
Napadenost tanjših vej



Napadenost odraslih dreves



Napadenost mladih dreves



Zaključki

- Tako raztreseni ostanki kot ostanki, zloženi v kupe, privabljajo večino podlubnikov.
- Smrekov koreninar – *H. cunicularius* je bil najbolj številčen na tretiranjih "kupi" in "vse ven".
- Osmerozobi smrekov lubadar - *I. typographus* je raje naselil debelejše veje, ki so bile raztresene, kot tiste v kupih.
- Razlik v napadenosti okoliških dreves med tretiranji nismo odkrili.

Zaključki

- Ostanki, zloženi v kupe:
  - več biotske raznovrstnosti,
  - najmanj podlubnikov.

Zahvala

- ZGS
- SiDG

Financiranje:

- MKGP (CRP V4-2218)
- ARIS (CRP V4-2218)
- ERASMUS