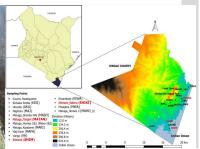
#### RESEARCH

**Open Access** 

# Molecular evidence confirms occurrence of *Rhipicephalus microplus* Clade A in Kenya and sub-Saharan Africa

Esther G. Kanduma<sup>1,2\*</sup>, David Emery<sup>2</sup>, Naftaly W. Githaka<sup>3</sup>, Edward K. Nguu<sup>1</sup>, Richard P. Bishop<sup>4</sup> and Jan Šlapeta<sup>2</sup>





## Mapping of invasive cattle ticks in Kenya

January 2019-December 2021



### **Objectives**

- I) Map the prevalence of the invasive cattle tick *Rhipicephalus microplus* in Kenya.
- 2) Characterize acaricide resistance of local strains of *R. microplus* and related tick species.
- 3) Develop decision tools to inform policy on the control of invasive ticks and tick-borne diseases.

Pls: Barbara Wieland, Naftaly Githaka

**Partners:** ICARDA, University of Nairobi, DVS, University of Sydney.

Funding: CRP Livestock-Herd Health

### Highlight of 2020 achievements

- Rhipicephalus microplus described in Kenya for the first since 1998.
- Four complete mitochondrial (mt) genomes for two R. microplus, one R. decoloratus and one R. appendiculatus ticks from Kenya were assembled from next generation sequence data.

