Comparison of Different Mosquito Traps for Zoonotic Arbovirus Vectors in Papua New Guinea.

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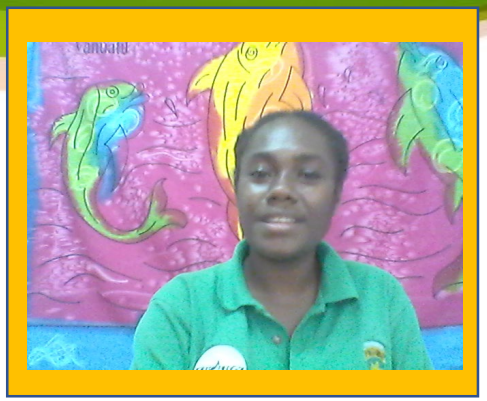
Introduction



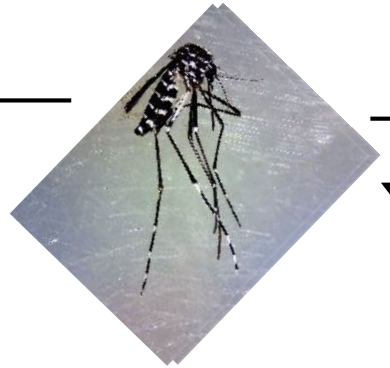
BGS TRAP

CDC_NORMAL LIGHT TRAP

CDC_UV LIGHT TRAP

Introduction

HUMANS
Dead end host



DOMESTIC ANIMALS
Incidental dead end host

Vertebrate Reservoirs

Amplification Host

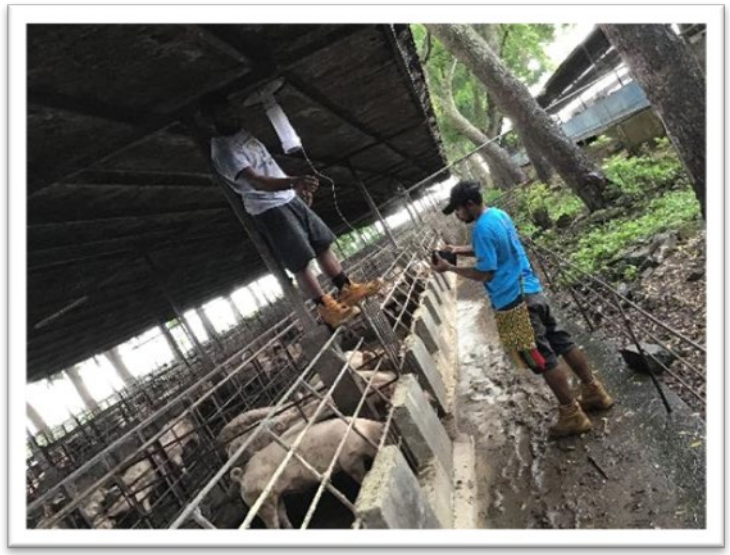
Vector

Method

2m from the ground

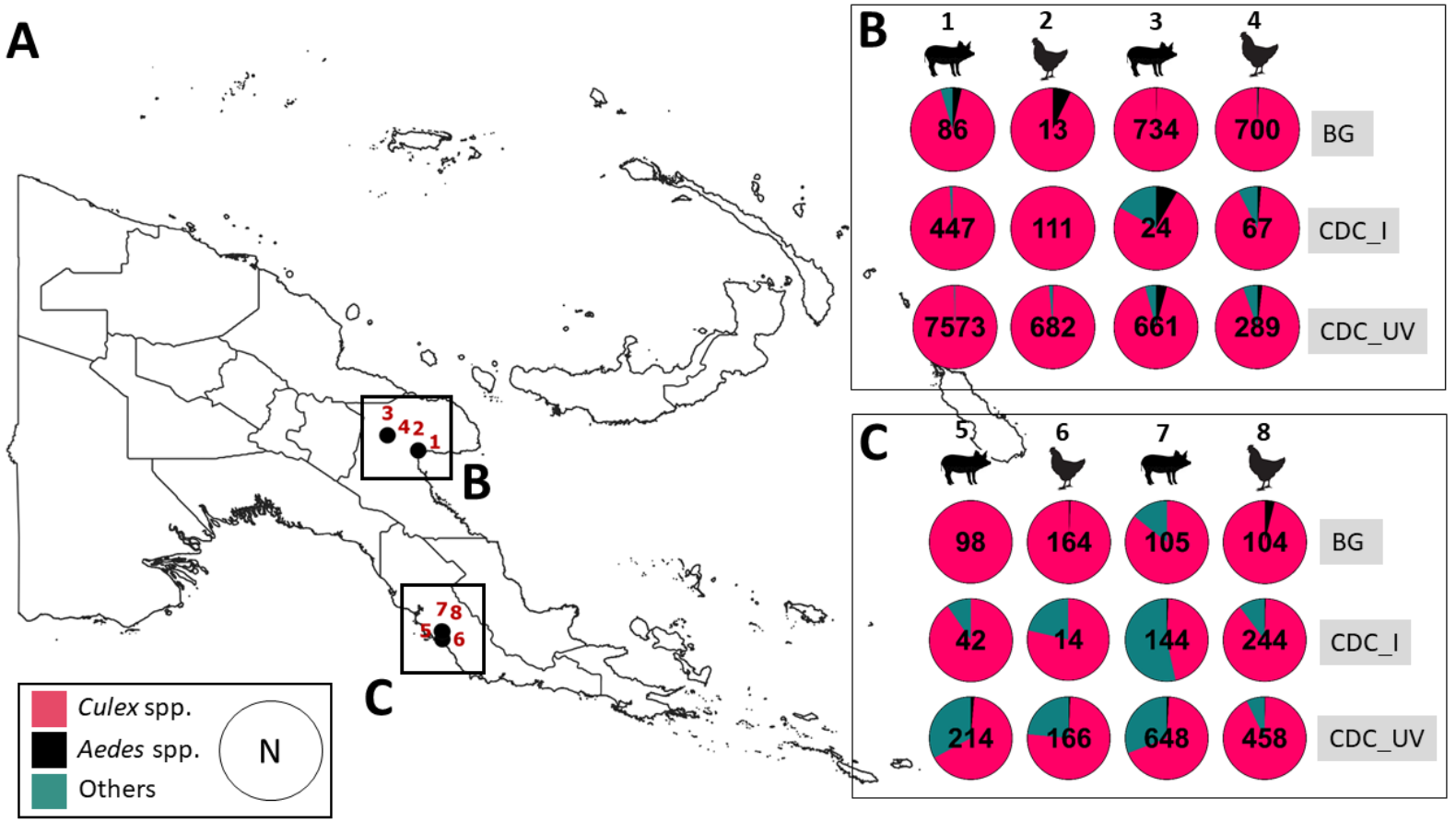
Collection done every 24hr for 5 consecutive days

BGS on the ground



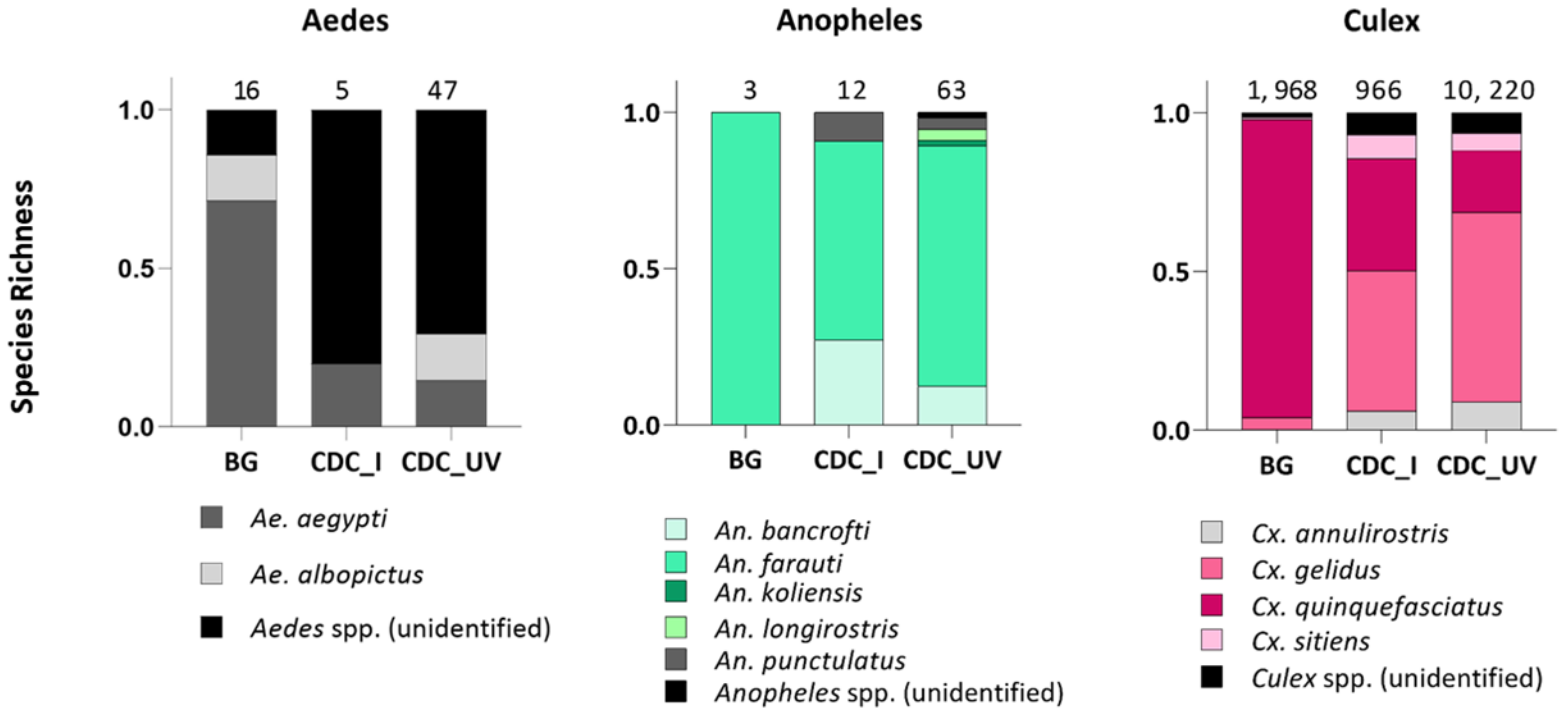
Result and Discussion

Summary of Mosquito collections in Central and Morobe



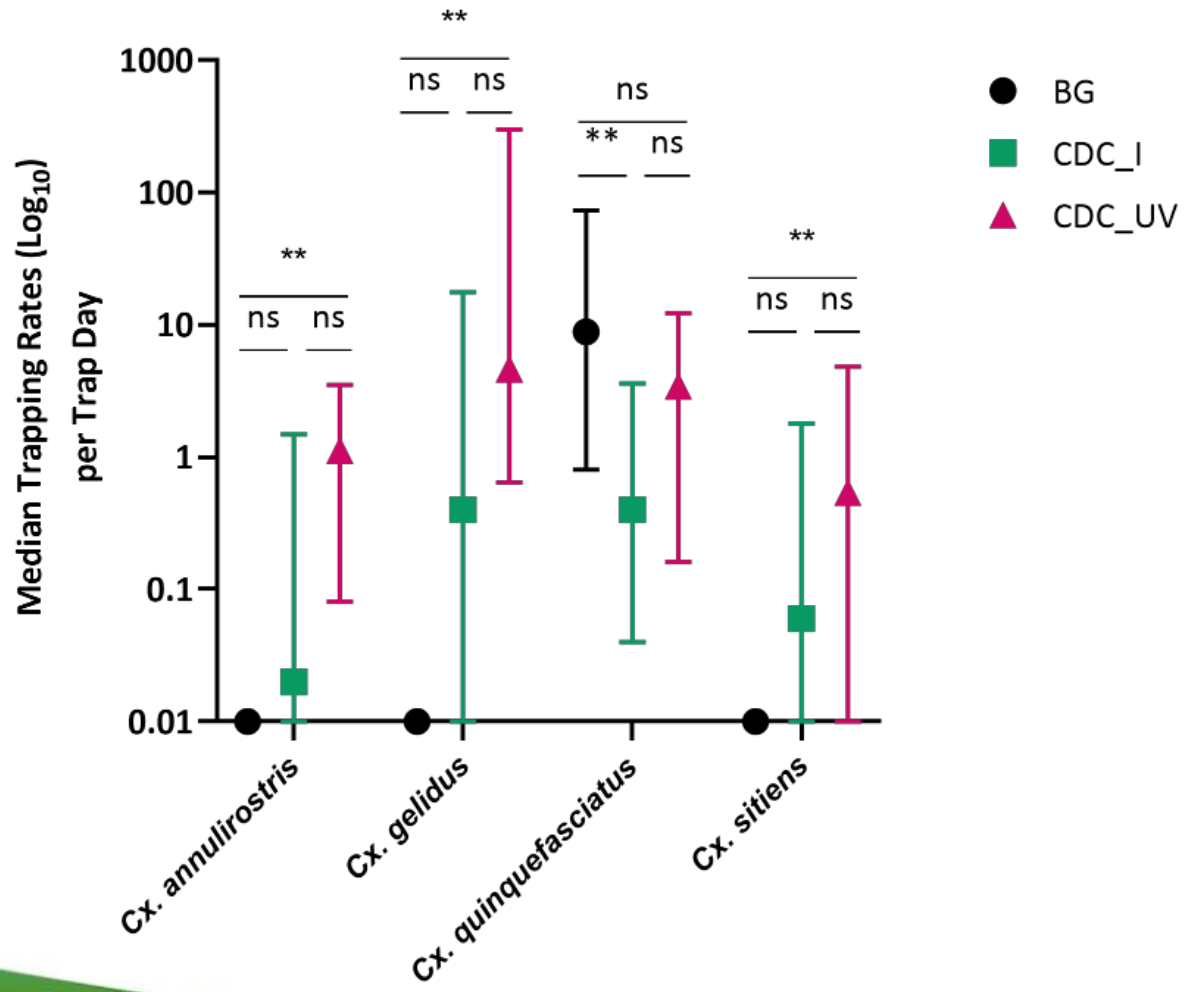
Result and Discussion

Species of mosquitoes caught among the three trapping devices



Result and Discussion

Median Trapping Rates



Conclusion

- This study represents the first assessment of mosquito trapping devices for zoonotic arbovirus vectors in PNG livestock farms. We recommend CDC_UV trap for future monitoring and surveillance programs for *Culex* species relevant for zoonotic arbovirus in PNG.

Acknowledgement

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Strengthened Surveillance Capacity for Aedes and Anopheline Vectors and Insecticide Resistance Profiles

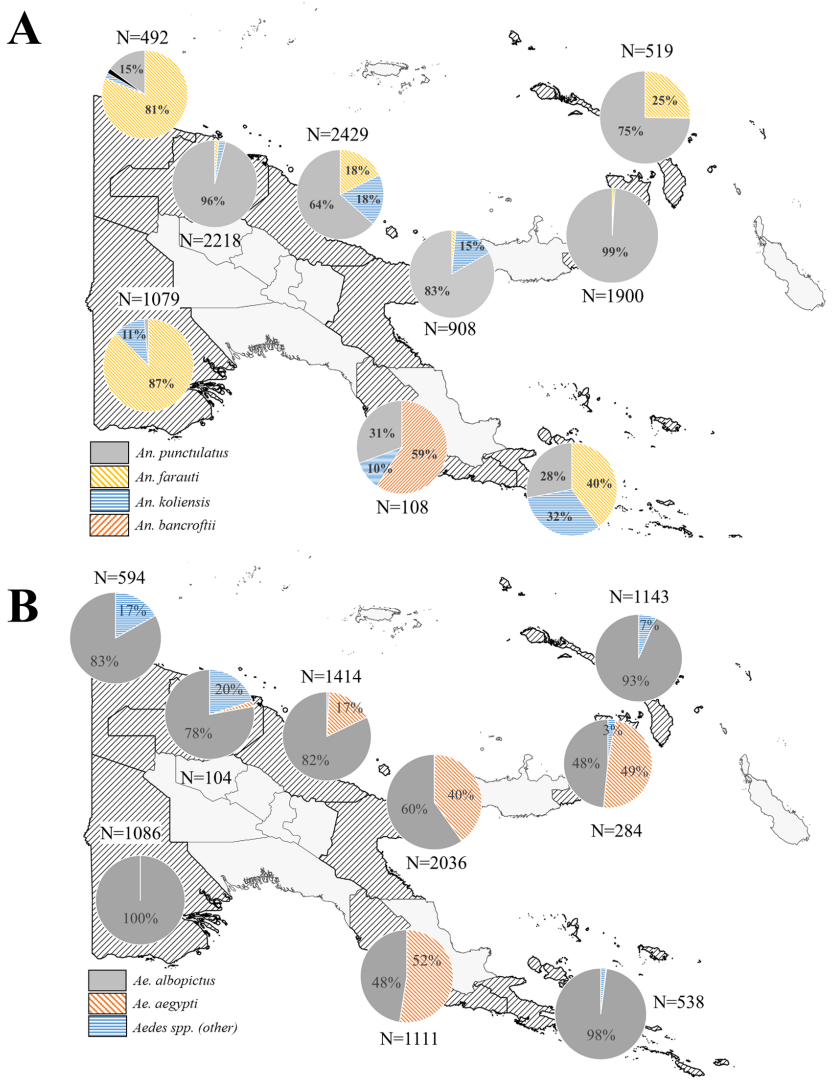

Image (Above) Aedes and Anopheles Insecticide Resistance Profiles

- Strengthened Provincial Vector Surveillance Capacity in three sites (Morobe, West Sepik, Kiunga). Training included;
  - Larval Habitat Surveillance
  - Adult Mosquito Surveillance
  - Insecticide Resistance Testing
- Establishment of small insectary and laboratory facilities in three provincial sites.
- Strengthening of especially *Aedes* vector and insecticide resistance surveillance across PNG

Papua New Guinea National Department of Health

Yumi Rausim Malaria PNG NATIONAL MALARIA CONTROL PROGRAM

PNGIMR Save Tambulm Sik

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STRIVE PNG STRONGER SURVEILLANCE FOR VECTOR BORNE PATHOGENS