



ILRI ASFV Projects Updates

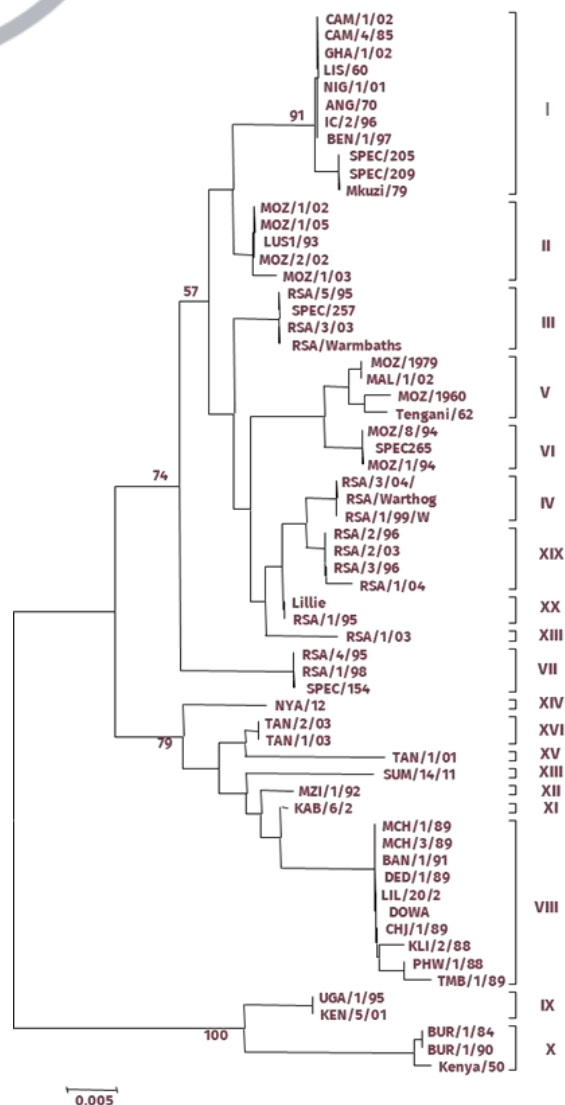
Hussein Abkallo and Anna Lacasta

14th October 2025

Lomé, Togo

Twenty-four different genotypes circulating in Africa

ASFV is endemic in 26 countries in SSA – all the 24 genotypes are present in Africa



Genotype I



Genotype II,III, IV, V, VI, VII, XIX, XX, XIII



Genotype VIII, XI, XII, XIII, XV, XVI, XIV



Genotype IX, X

Most of the efforts are focused on developing vaccines against genotype II

ASFV LAV based on genotype II are not fully protective against other genotypes

Vaccine	Genotypes	Developers	Num. Doses	Challenge	Outcome	Protection
GΔDKE-Cmut	G-II	TPI	2	Georgia07 (G-II)	7/7	Full
				Benin97/1 (G-I, exp 1)	5/7	Partial
				Benin 97/1 (G-I, exp 2)	4/7	Partial
				Ken1033 (G-IX)	0/7	No protection
ASFV-G-ΔI177L	G-II	USDA	1	Georgia10 (G-II)	5/5	Full
				Ghana2021 (G-I)	4/5	Partial
				Malawi LIL20 (G-VIII)	0/5	No protection
				Pret4 (G-XX)	0/5	No protection
				Ken1033 (G-IX)	0/5	No protection
				Uganda65 (G-X)	0/5	No protection

We need to start thinking about regional vaccines and not universal vaccines against ASFV.

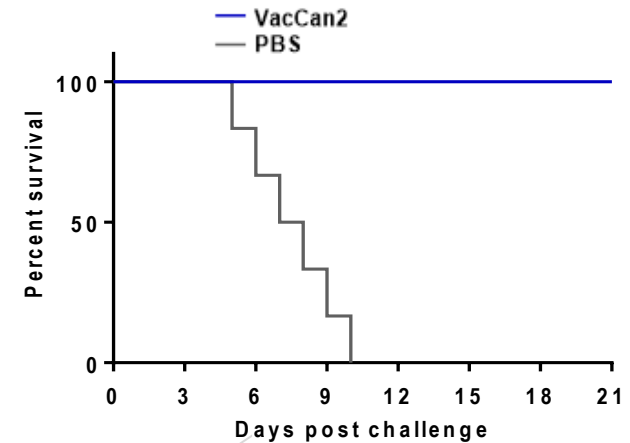
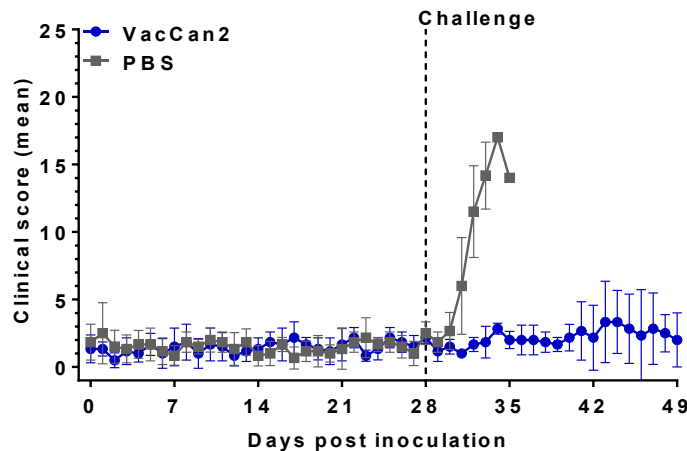
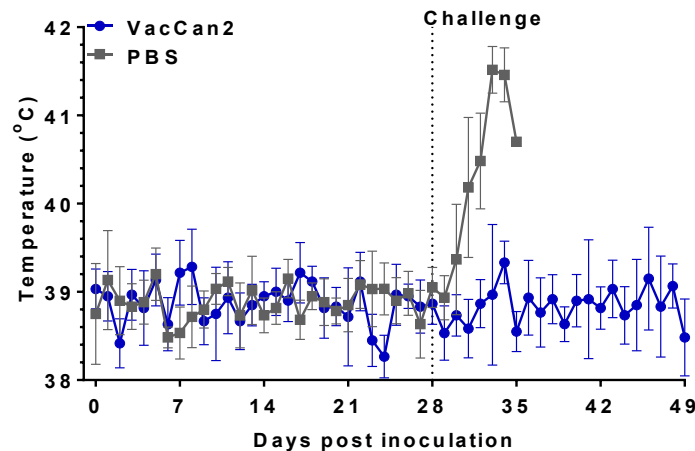
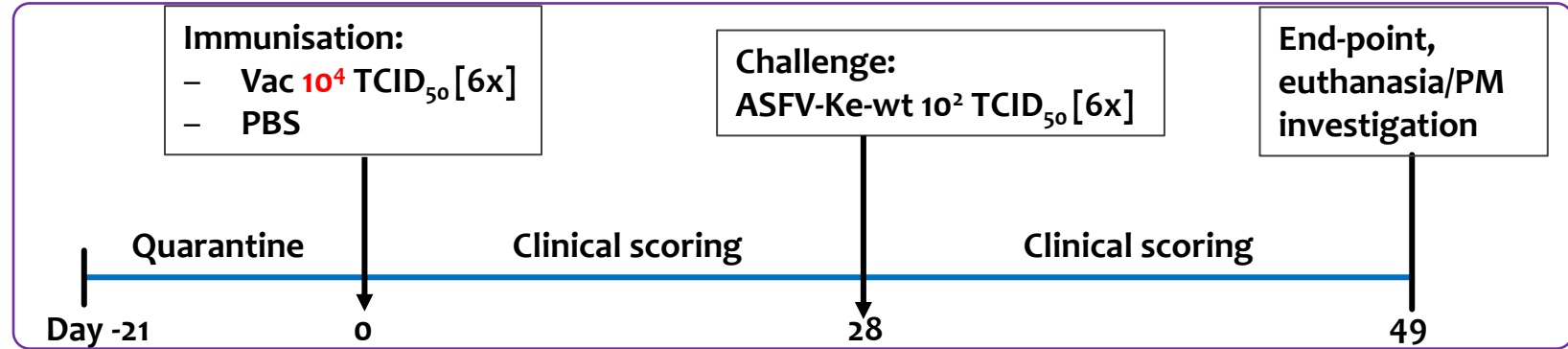
Do you want to know more?

•DOI: [10.1080/22221751.2025.2505645](https://doi.org/10.1080/22221751.2025.2505645)



Safety and efficacy of ASFV-Ke-Δ against homologous challenge – “ILRI vaccine candidate”

- A single gene deletion
- 10^4TCID_{50} dose confers excellent protection and safety profile
- A potential vaccine candidate?
- Heterologous protection?



100% attenuation and provided 100% protection against challenge with wild type ASFV-Ke!

ILRI contacts

Anna Lacasta

a.lacasta@cgiar.org



Hanneke Hemmink

h.hemmink@cgiar.org



Hussein Abkallo

h.abkallo@cgiar.org



Michel Dione

m.dione@cgiar.org



Vaccines & Diagnostic Team leader:

- Musa Mulongo

m.m.mulongo@cgiar.org

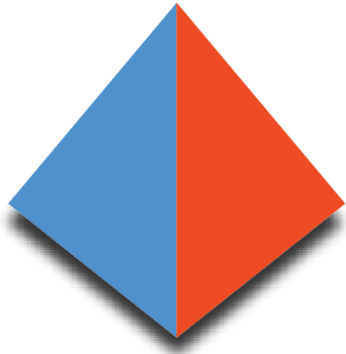


Head of the Uganda regional office:

- Emily Ouma

e.a.ouma@cgiar.org





GF-TADs

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PROGRESSIVE CONTROL OF
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