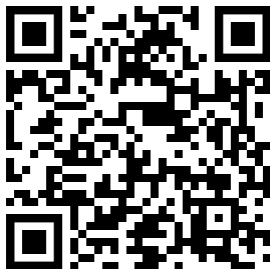


Rapid diagnosis of crop disease

The authors used the MinION to identify the begomoviruses causing a crop disease which is ravaging smallholder farmers crops in sub-Saharan Africa. Cassava, a carbohydrate crop from which tapioca originates, is a major source of calories for over eight hundred (800) million people worldwide. With this technology, farmers struggling with diseased crops can take immediate, restorative action to improve their livelihoods based on information about the health of their plants, generated using a portable, real-time DNA sequencing device.

Suitable	No: sample availability
Organism	Cassava Mosaic Virus
Substrate	DNA
Full Genome	Yes
Genome size	~ 10 Kb
Reference available	Some



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