

BOTANIC-1: a series of long-context plant genomic foundation models in the agentic era

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Coverage: Video topic

What the source reports

Plant genomic foundation-model family; models evaluate genomic variation and support a generalist AI agent as a specialist analysis tool. [\[18\]](#)

Managing expectations

Retrospective benchmarks and a known causal variant; prospective lab validation is still required. Case study starts with an already narrowed chromosome region; full-genome scoring ranked the true variant sixteenth, not first. Authors are or were employed by Living Models; model/weights restrictions are separate from the paper CC BY license. [\[18\]](#)

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