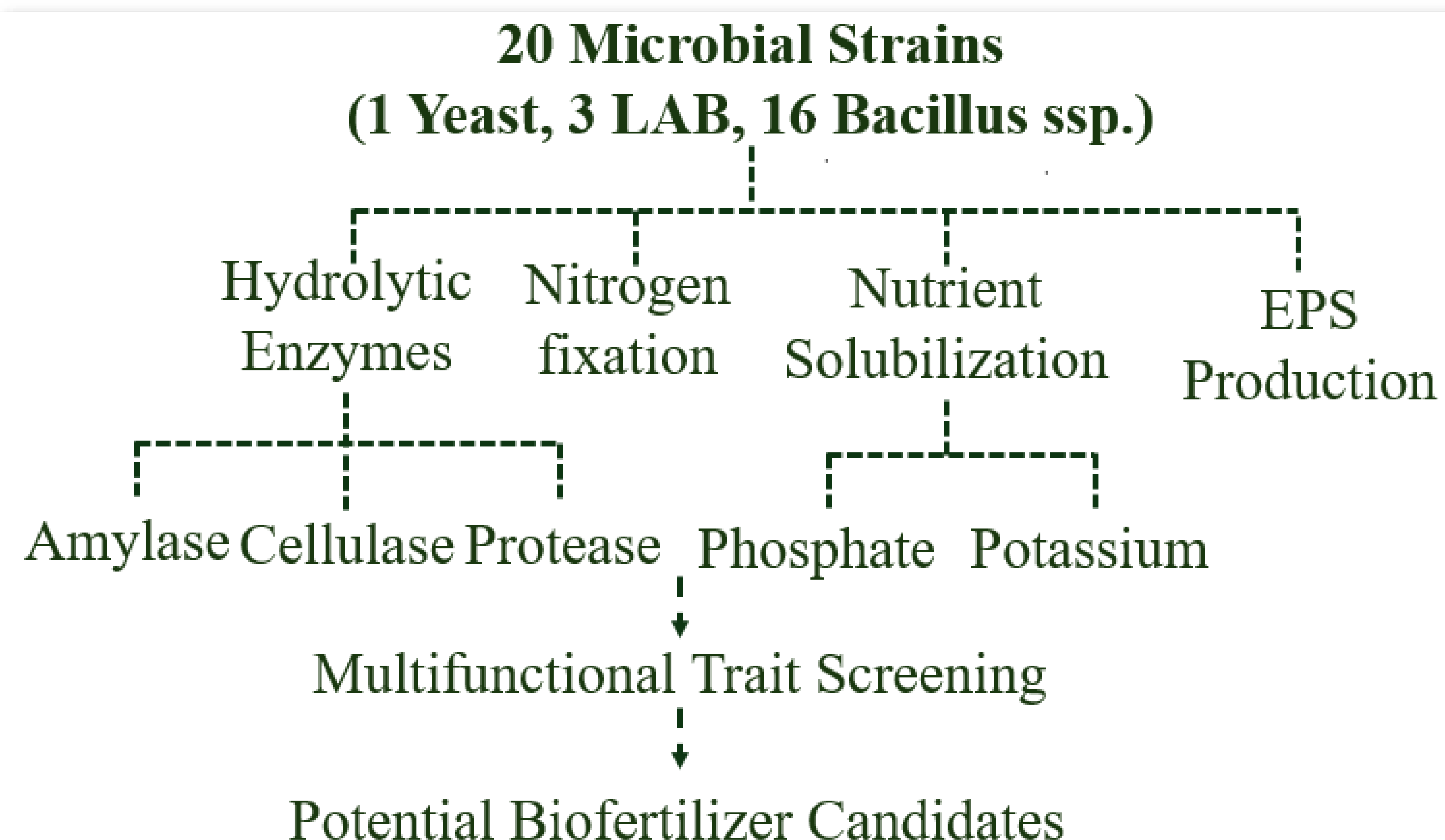


Beneficial Microbes in One Health Approaches: from Soil Remediation and Fertility to Plant Growth and Protection

Workflow



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Highlights

- **Yeast, LAB, and *Bacillus*** strains exhibited plant growth-promoting traits related to soil fertility and plant development.
- ***Saccharomyces cerevisiae* YA5** showed strong hydrolytic enzyme activities.
- ***Lactobacillus rhamnosus* GG** exhibited the highest phosphate solubilization capacity.
- **Several *Bacillus* strains** demonstrated multifunctional characteristics, including nitrogen fixation and EPS production.
- Selected strains represent promising candidates for sustainable biofertilizer development within a One Health framework.