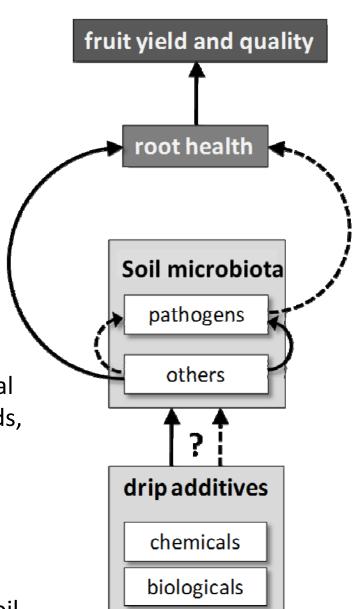
1 A microbial census of soils and plants in tomato fields

Aims

1) describe the microbial diversity associated with soils and roots in processing tomato fields, and 2) demonstrate the impact of field location and management and discover correlations with root health and plant yield

Setup

Three-year project, experimental plots within six commercial fields, drip-delivery of chemicals and biologicals, assessment of plant biomass and fruit yield, DNA-based analysis of microbial communities (aka 'microbiota') associated with bulk and root soil



People

Nilesh Maharaj, Gene Miyao, Mike Davis, Johan Leveau

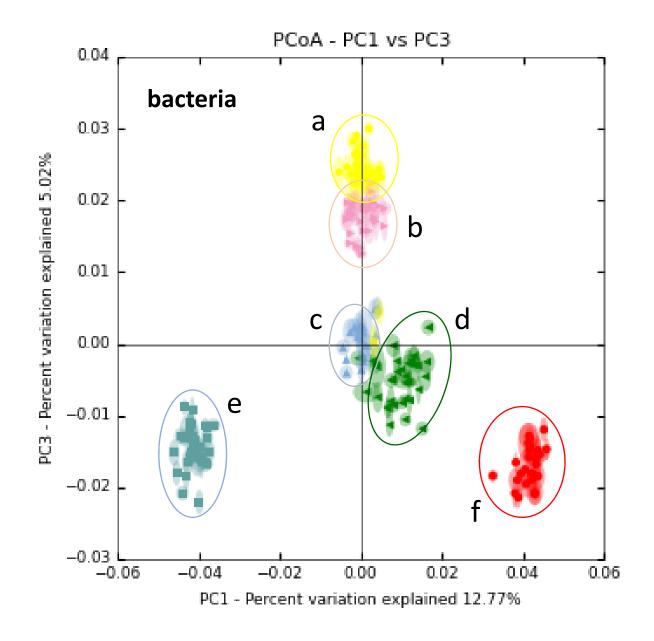
Sponsor

California Tomato Research Institute

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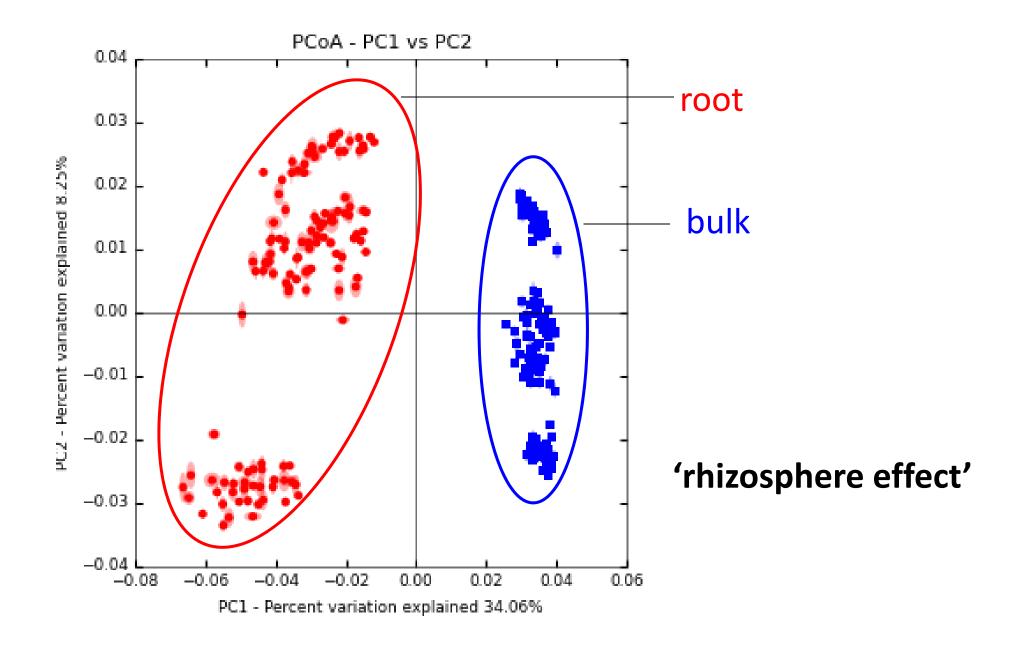
2 Tomato *terroir*?



different fields (a-f) have different microbiota

'field effect'

3 Bulk and root soil carry different microbiota



4 Tomato roots attract tomato pathogens

