

Structure of halophilic fungi within hypersaline environments

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- Hypersaline fungi are known mostly from culture-based work
- Great Salt Lake, UT has strong salinity gradient
- Sequencing ITS1 from 50 locations along gradient
- Searching for tipping point where salinity is more important than other factors for community structure
- Building a living library of hypersaline fungi for bioprospecting

Extract DNA

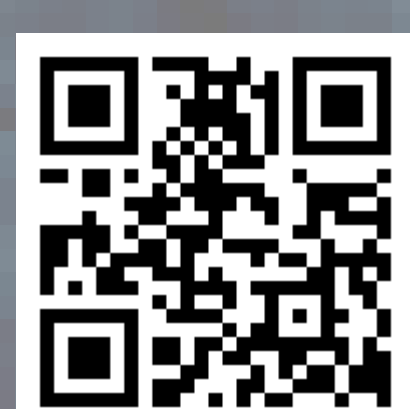
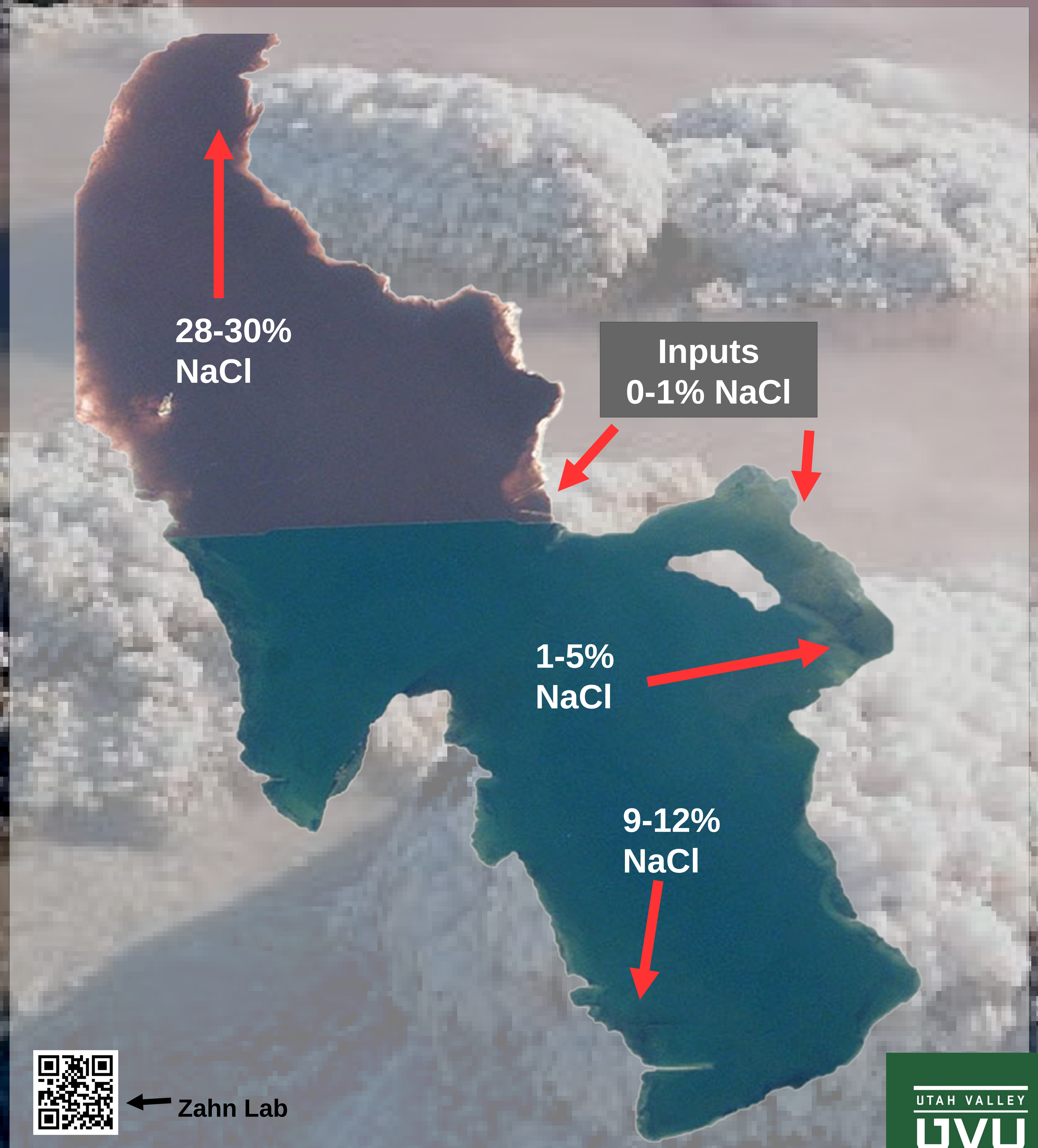
Amplify ITS1
(MiSeq)

Infer sequence
variants using DADA2

Taxonomic
Assignments (UNITE)

Abstract:

Predictive variables
(salinity, pH, N,
distance)



← Zahn Lab