



BELOWGROUND COVER CROP INTERACTIONS WITH INTER- AND INTRASPECIFIC NEIGHBORS

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Agroscope

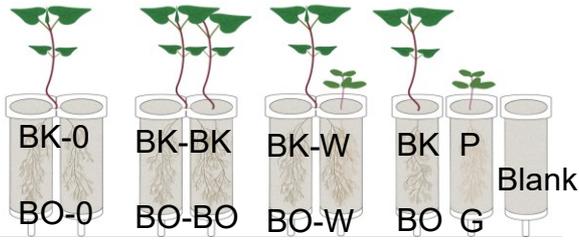


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Plant Growth

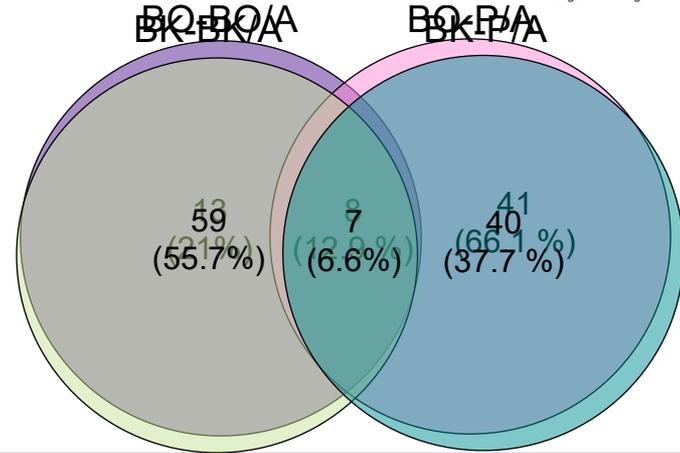
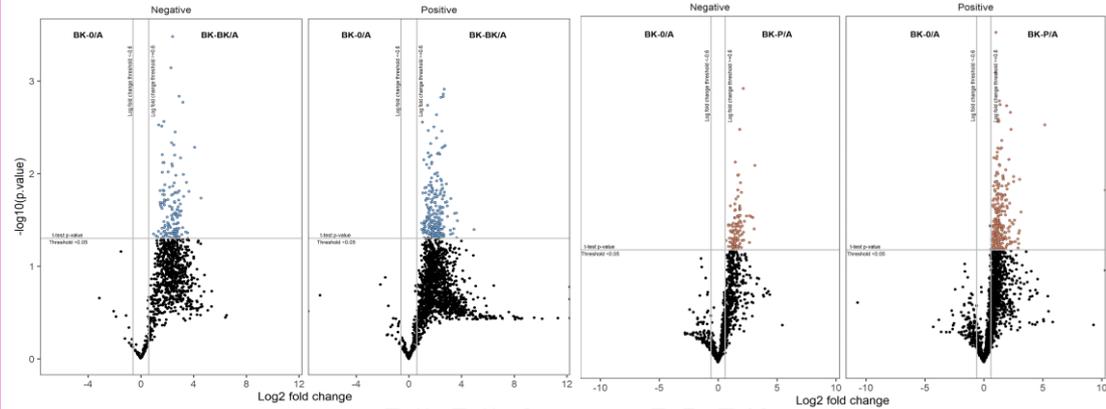


BO: Black oat
BK: Buckwheat
P: Redroot pigweed
G: Black grass

Metabolomics

Q1: Does the root exudate profile change in the presence of neighbors?
Q2: Are the responses different depending on the identity of the neighbor?

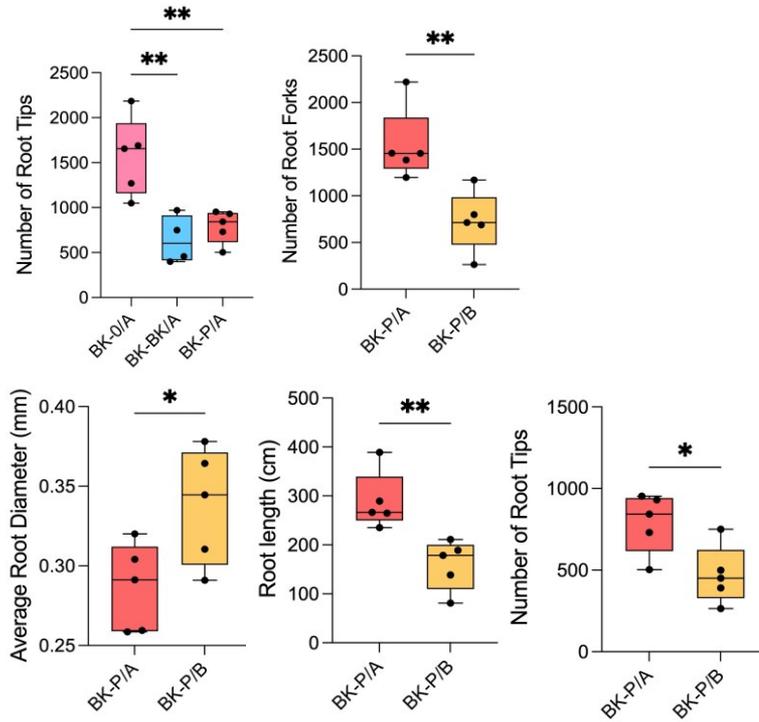
Non-targeted LC/MS Analysis of **BO** Root Exudates



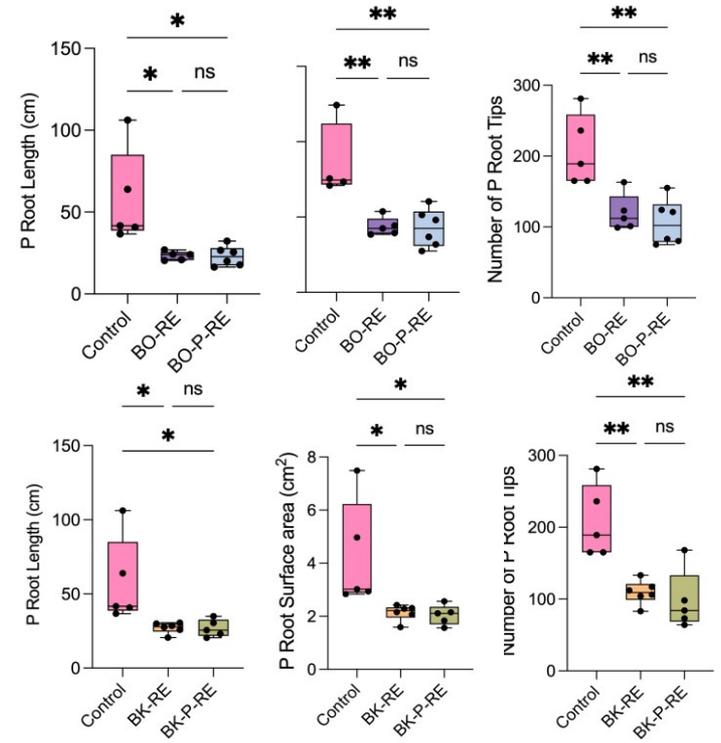
Changes in root system architecture



BK & BO split root systems



Pigweed following the application of root exudates



Transcriptomics

