

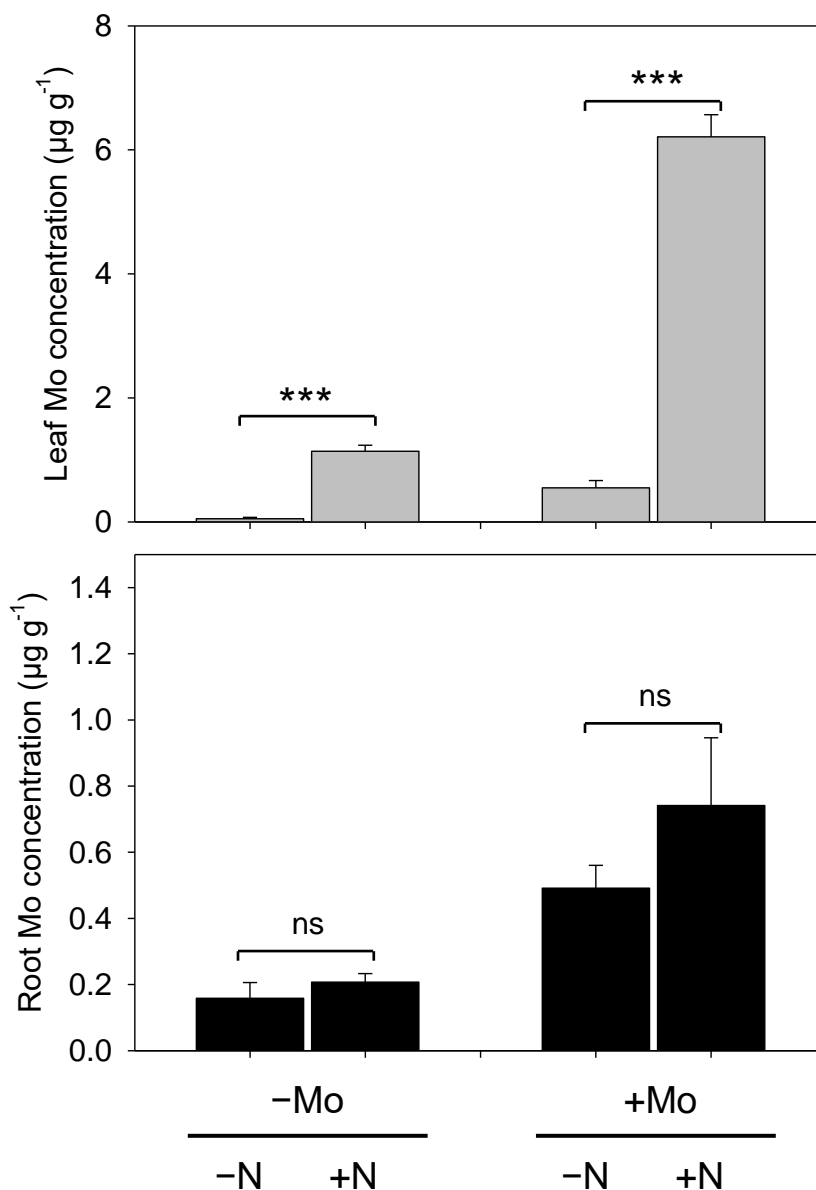


Title	Nitrogen deficiency-induced molybdenum accumulation in wheat
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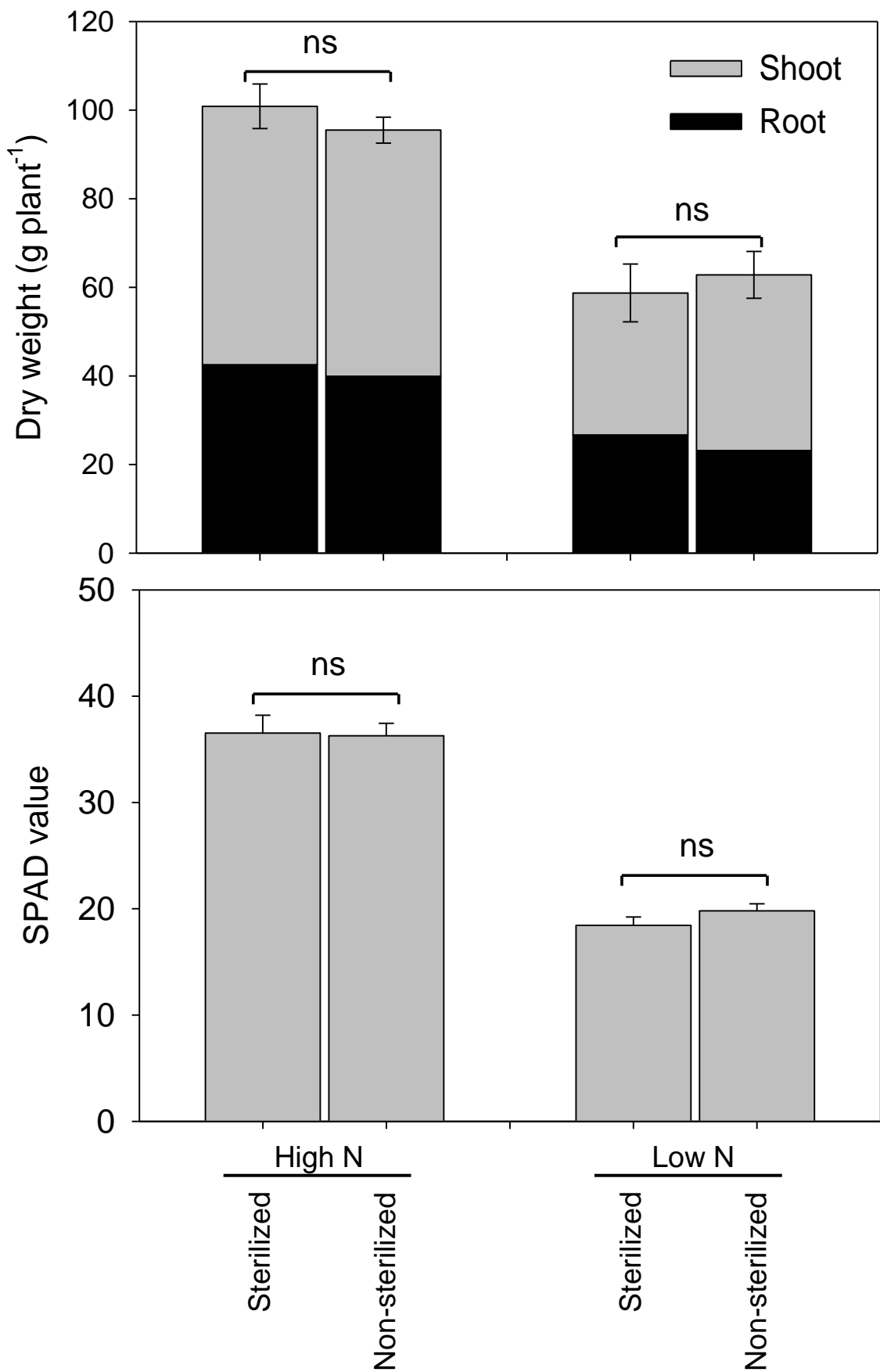


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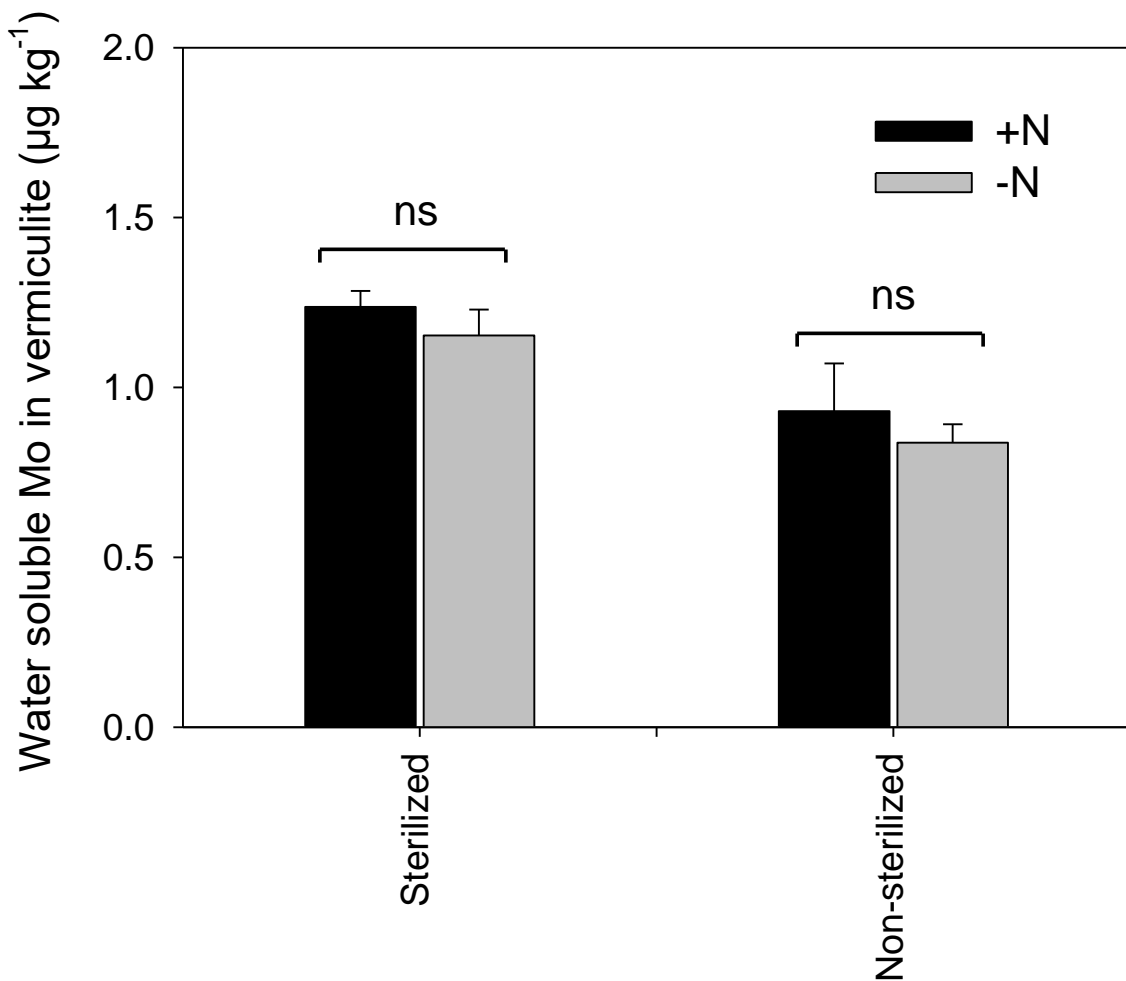
## Supplemental materials



**Figure S1.** Effects of nitrogen application on molybdenum concentration in leaves and roots of wheat with or without molybdenum supply. Asterisks indicate statistically significant differences between -N and +N treatments in each molybdenum treatment (Student's t-test, \*\*\*:  $P < 0.001$ , ns: not significant).



**Figure S2.** Dry weight and leaf chlorophyll content in wheat grown aseptically or nonaseptically under different nitrogen nutrient conditions. Data are means of five replicates ( $\pm$  standard error). High N: 45 mg N pot<sup>-1</sup>, Low N: 0.45 mg N pot<sup>-1</sup>. ns: no significant difference was found between High N and Low N treatments (Student's t-test).



**Figure S3.** Water soluble molybdenum concentration in vermiculite grown with wheat aseptically or nonaseptically under different nitrogen nutrient conditions. Data are means of five replicates ( $\pm$  standard error). High N: 45 mg N pot<sup>-1</sup>, Low N: 0.45 mg N pot<sup>-1</sup>. ns: no significant difference was found between High N and Low N treatments (Student's t-test).