

1 **Root traits vary as much as leaf traits and have consistent phenotypic plasticity among 14**  
2 **populations of a globally widespread herb**

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### 40 **Conflicts of Interest**

41 There are no Conflicts of Interest

### 42 **Author Contributions**

43 W Dawson and YM Buckley conceived the ideas and designed methodology; W Dawson set up the  
44 experiment and collected the data with help from YM Buckley and A Finn; W Dawson analysed the  
45 data; W Dawson and YM Buckley led the writing of the manuscript. All other authors contributed  
46 seeds for the experiment, contributed critically to the drafts and gave final approval for publication.

47 **Data Availability Statement**

48 The data used in this study are available in the Zenodo data repository:

49 <https://doi.org/10.5281/zenodo.10473872>