



Figure S1. *Saussurea esthonica* sites in Latvia and Estonia, used in the present study.

A, site in Apšuciems, Latvia.



B, site in Pope, Latvia.



C, site in Pärnu-Jaagupi, Estonia.



D, site in Kalevi, Estonia.



Figure S2. Typical *Saussurea esthonica* individuals in mineral nutrient experiment in controlled conditions. From left to right: control, "Apšuciems", "Pope", "Pope+".



Figure S3. Typical *Saussurea esthonica* individuals in water availability experiment in controlled conditions. From left to right: 80, 100, 150, 200% substrate water content.