**Methods**

Lettuce genetic resources

We obtained seeds for selected lettuce genotypes in consultation with Dr. Katherine Denby and Dr. Guy Barker, at the University of Warwick Genomics Resource Centre. These include a diverse sample of wild L. sativa, as well as modern varieties with varying leaf traits.

We bulked all genotypes in long-day (16h) greenhouse conditions at UC Davis in winter 2015. Plants were grown under metal-halide lamps (temp, RH?) in (XX pot diameter) filled with potting soil (Sunshine mix #1, Sun Gro Horticulture) (XX fertilizer). Lower leaves were removed to control pathogen threat, plants were staked upright, and inflorescences were bagged during flowering to collect seed.

Seed was stored in a cool, dry, dark location until further use.

*We bleach-sterilized all seeds prior to germinating on germination paper in growth chambers. At XX days we transferred seedlings to soil (SunGro) and grew all plants in growth chambers in 24C, short-day (10h) conditions with 180-190 uM light intensity and 60% RH. We bottom-watered with DI H2O every two days for two weeks, and at week 3 watered every two days with added nutrient solution XX.*