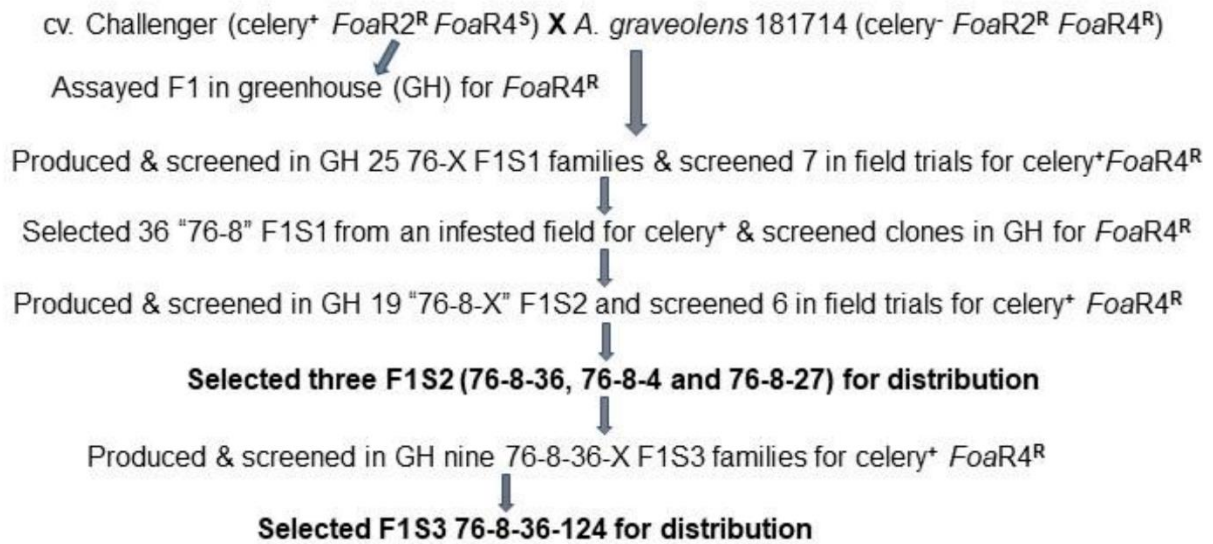
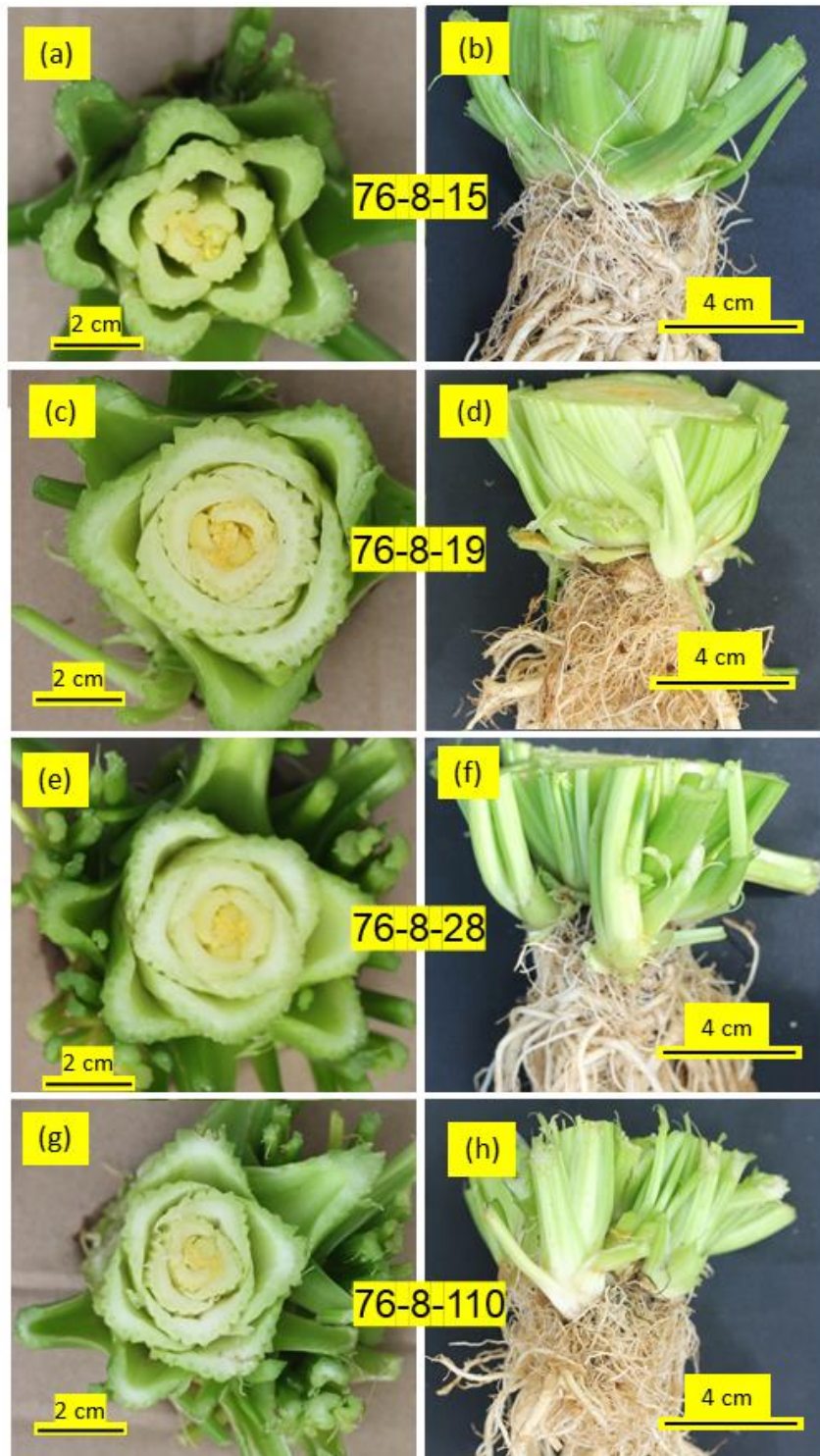


SUPPLEMENTAL FIGURE 1. The process used to select the F1S2 and F1S3 celery germplasm with resistance to *Foa* race 4.

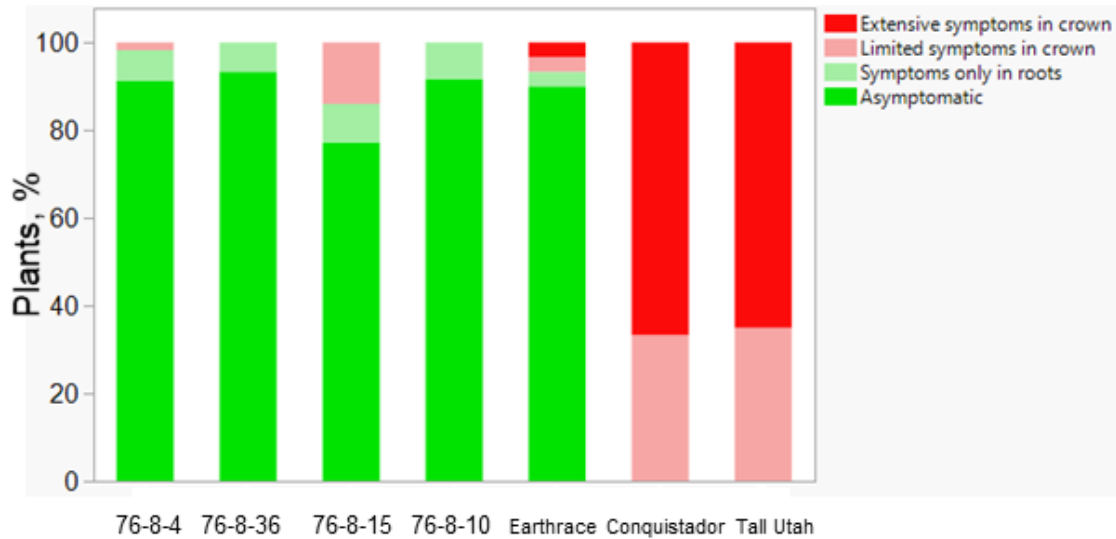


SUPPLEMENTAL FIGURE 2. Representatives of four “second-tier” F1S2 families from a field trial in soil infested with *Foa* race 4 in Camarillo, California in 2021.



76-8-15 didn't grow as well as the top-tier selections in either this trial or in the *Foa* race 2 field trial in Santa Maria, CA in 2021. 76-8-19 and 76-8-28 were the best germplasm of the second-tier. 76-8-110 was only included as a highly resistant control; it has a pronounced non-celery type.

SUPPLEMENTAL FIGURE 3. Vascular discoloration-based ratings of plants from four F1S2 selections and three commercial cultivars that were grown in 2021 in a field in Santa Maria, CA that was infested with *Foa* race 2.



Tall Utah 52-70R Improved is highly susceptible and Conquistador is moderately susceptible to *Foa* race 2. Earthrace is resistant to *Foa* race 2. None of the plants in the trial died. The percentage of plants in each symptom category was determined by randomly selecting twenty plants from each of three replicates in a randomized complete block design. The four categories correspond to the following “vd” severity scores: asymptomatic = 0; symptoms only in roots=2; limited symptoms in crown = 3; and extensive symptoms in crowns = 4. In this trial, no plants died. Fine roots are not retrieved in the field from these soils.