# Supplemental Data Files

All data have been abstracted from their original sources for testing and demonstration.

1. Fig 4 Plant Height Ontology Import File.xls

DeltaBreed Import file, fictionalized trait ontology for Plant Height

1. Fig 5a Unknown GID 0 Import.xls

DeltaBreed Import file, fictionalized pedigree referencing Unknown GID 0

1. Fig 5b Tangled Pedigree Import.xls

DeltaBreed Import file, fictionalized pedigree referencing Unknown GID 7

1. Fig 6 DeltaBreed Germplasm with Pedigree Export.xls

DeltaBreed export file, adapted data courtesy of Warren Chatwin, USDA-ARS Pecan Somerville, TX.

1. Fig 7 DeltaBreed Experiment Export 2025\_Disease\_Screen\_001.xls

DeltaBreed export file, fictionalized two environment disease challenge experiment

1. Fig 9 Potato Experiment Adapted for DeltaBreed.xls

DeltaBreed import file, data adapted from published dataset.  
<https://github.com/jendelman/StageWise/blob/main/vignettes/Vignette1.Rmd>

# DeltaBreed v1.0 data import templates

1. bi\_ontology\_template\_v15.xls

DeltaBreed Import template for trait ontology

1. bi\_germplasm\_import\_template\_v11.xls

DeltaBreed Import template for germplasm

1. bi\_experimental\_template\_v07.xls

DeltaBreed Import template for experiments

1. bi\_sample\_submission\_template\_v01.xls

DeltaBreed Import template for genotypic sample submission