Zhang L, GR Hood, IJ Carroo, JR Ott & SP Egan. Context-dependent reproductive isolation: host plant variability drives fitness of hybrid herbivores. *The American Naturalist*, *accepted*.

Comments and requests should be addressed to Linyi Zhang: linyizhange@cnu.edu.cn. All material is free of use, but please inform Linyi Zhang, and cite this dataset and the matching paper.

File list used for the analysis in the paper

OVdata.final.csv
HI.analysis.final.R

File descriptions

“OVdata.final.csv”- data for the analysis of hybrid viability part in the paper. The file included critical fitness variables including host immune response.

“HI.analysis.final.R”- R code for analyzing hybrid inviability in *B. tenebriosa*.

Note: All of the files must be within your working directory for the analysis to work.