This package contains three files:

**1. Database of estimates of selection on plant functional traits in experiments**

Database of estimates of phenotypic selection on plant functional traits from experiments that manipulate the environment and measure selection. Only records that report directional selection gradients and/or differentials, as well as their associated standard errors, are included. There are two worksheets: one containing the database, and one describing the information included in each column of the database.

File name: Plant functional traits experimental database master Dryad.xlsx

**2. Database of estimates of selection on plant functional traits in experiments w/some records duplicated**

Database of estimates of phenotypic selection on plant functional traits from experiments that manipulate the environment and measure selection. Only records that report directional selection gradients and/or differentials, as well as their associated standard errors, are included. There are two worksheets: one containing the database, and one describing the information included in each column of the database. To facilitate the analyses reported in the associated manuscript, some records of selection have been duplicated. See manuscript for more information.

File name: Plant functional traits experimental database duplicated Dryad.xlsx

3. **Database of estimates of selection on plant functional traits in observational studies**

Database of estimates of phenotypic selection on plant functional traits from observational studies in unmanipulated environments. Only records that report directional selection gradients and/or differentials, as well as their associated standard errors, are included. There are two worksheets: one containing the database, and one describing the information included in each column of the database.

File name: Plant functional traits observational database Dryad.xlsx