La Rosa and Conner (2017); DOI: 10.3732/ajb.1600328

This file contains the data necessary to replicate Figure 3 and Tables 1, 3, and 4. Additional information, such as R code for the path analyses, may be accessible at <https://github.com/rjlarosa/publications>. All trait measurements are in centimeters, and landmarks are displayed in Figure 2.

Descriptions of the variables are as follows:

*species* Identifies the three species A. syriaca, A. tuberosa, and A. viridiflora

*plant-id* Identifies the individual plant (data collected from one ramet)

*gyn-width* Gynostegium width from the top view

*hood-length* Hood length from the top view

*hood-height* Hood height from the side view

*horn-reach* Horn reach from the top view

*slit-length* Slit length from the side view

*gap-width* Width between adjacent hoods from the top view (gap width)

*display-flowers-1day* Number of flowers blooming on the day pollination measures were made

*removals-per-flower* Pollinaria removals per flower averaged across all flowers from one or more umbels

*insertions-per-flower* Pollinia insertions per flower averaged across all flowers from one or more umbels

*fruits* Number of mature fruits at the end of the season

*geo\_mean* (gyn-width\*hood-length\*hood-height\*slit-length)^(0.25); calculated separately for each sp.

*relz-gyn-w* Gynostegium width divided by the geometric mean

*relz-hood-l* Hood length divided by the geometric mean

*relz-hood-h* Hood height divided by the geometric mean

*relz-horn-r* Horn reach divided by the geometric mean

*relz-slit-l* Slit length divided by the geometric mean

*relz-gap-w* Gap width divided by the geometric mean

*remins-std-gyn-w* Traits standardized, within species, from all plants with removal and insertion data

*remins-std-hood-l* Traits standardized, within species, from all plants with removal and insertion data

*remins-std-hood-h* Traits standardized, within species, from all plants with removal and insertion data

*remins-std-horn-r* Traits standardized, within species, from all plants with removal and insertion data

*remins-std-slit-l* Traits standardized, within species, from all plants with removal and insertion data

*remins-std-gap-w* Traits standardized, within species, from all plants with removal and insertion data

*std-floral-display-1day* Traits standardized, within species, from all plants with removal and insertion data

*rel-removal-per-flower* Pollinarium removals relativized within species

*rel-insertion-per-flower* Pollinia insertions relativized within species

*fruit-std-gyn-w* Traits standardized, within species, from all plants with fruit data

*fruit-std-hood-l* Traits standardized, within species, from all plants with fruit data

*fruit-std-hood-h* Traits standardized, within species, from all plants with fruit data

*fruit-std-horn-r* Traits standardized, within species, from all plants with fruit data

*fruit-std-slit-l* Traits standardized, within species, from all plants with fruit data

*fruit-std-gap-w* Traits standardized, within species, from all plants with fruit data

*fruit-std-display-size* Traits standardized, within species, from all plants with fruit data

*rel-fruits* Fruit quantity relativized within species

*notes* Notes on individual plants

*total-flower-quantity* Actual or estimated (from umbel number) total flower number per individual

*poll-duration-per10min(no-flies)* Average duration of pollinators during 10 minutes of video, excluding non-pollinating flies

*poll-visits-per10min(no-flies)* Average number of visits from pollinators during 10 minutes of video, excluding non-pollinating flies