Metadata

**Plant-driven changes in soil microbial communities influence seed germination through negative feedbacks**Miller, E.C., Perron, G.G., Collins. C.D.

**Data file**: Miller\_et-al\_FeedbackDistance.csv

**Description:** Distance between centroids between fungal communities in soil conditioned by two different plant species.

**Columns**

Species 1: Species identity of plant that conditioned the soil

*Bromus* = *Bromus inermis*

 *Desmodium*=*Desmodium illinoense*

 *Solidago* = *Solidago Canadensis*

 *Geum* = *Geum candense*

 *Ageratina* = *Ageratina altissima*

 *Pycnanthemum* = *Pycnanthemum tenuifolium*

 *Poa* = *Poa pratensis*

Species 2: Species identity of plant that conditioned the soil (using same names as in previous column)

Mean.LN.Ratio: natural log of the ratio between germination success in conspecific (C) and heterospecific (H) soils [ln(C/H)]. The value in this column represents mean values for feedbacks generated by averaging all possible conspecific and heterospecific pairings of each of our replicates (raw data found in the Germination data file).

Ab.Value: The absolute value of feedbacks calculated in the “Mean.LNRatio” column.

Sig..FB: Y/N indicates whether the feedback was deemed statistically significant in linear models.

Distance: Centroid distances between fungal communities in soils conditioned by two different plants species. Distances were calculated using Primer v.7.0 on Morisita-Horn distance matrix calculated for abundance data (number of reads) transformed using log (x +1).