Readme file of the dataset for Jennings, Jackson Hubbard; Snook, Rhonda R.; Hoikkala, Anneli REPRODUCTIVE ISOLATION AMONG ALLOPATRIC DROSOPHILA MONTANA POPULATIONS. . Evolution 2014.

The dataset file is called “Jennings et al 2014 Dryad text.txt”

This dataset contains all the data analysed for the manuscript.

# 3 populations of Drosophila montana were used. When referring to crosses within and between populations, as in the paper, females are listed first.

- C = flies from the Colorado stock

-O = flies from the Oulanka stock

-V –flies from the Vancouver stock

# 4 different sets of data are provided, each corresponding to a display item in the paper (either Figure, Table or to the reference sex ratio data).

- Columns A-F = Data for Table 2a and Figure 2

-Columns I-N = Data for Table 2b and Figure 3

-Columns Q-Y = Data from Figures 4 and 5

-Columns AB-AT = sex ratio data

# Columns A-F

Each row corresponds to an independent data point (also referred to on the spreadsheet as Column A Cross(replicate))

Column A = Cross(replicate) – which indicates which cross was performed. Eg. CC = Colorado female with Colorado male; CV = Colorado female with Vancouver male

Column B = Total EGGS = total number of eggs oviposited in that trial for that independent cross

Column C = Total OFFSPRING = total number of offspring emerging for that independent cross

Column D = sq rt egg = the square root transformation of Column B

Column E = sq rt off = the square root transformation of Column C

Column F = nominal form of Column A

#Columns I-N

Each row corresponds to an independent data point

Column I = Cross (ordered as in previous dataset)

Column J = Total laid = total number of eggs oviposited in that trial for that independent cross

Column K = Total hatched = total number of larvae hatching from eggs recorded in Column J

Column L = sq rt laid = the square root transformation of Column J

Column M = sq rt hatched = the square root transformation of Column K

Column N = hatchability is column L/column M

#Columns Q-Y

Each row corresponds to an independent data point

Column Q = Cross (ordered as in previous dataset)

Column R = Dev = total number of eggs counted that were developing

Column S = Non-Dev = total number of eggs counted that were considered nondeveloping due to lack of cell division

Column T = Total = sum of Column R and S

Column U = % Dev = Column R divided by Column T

Column V = present = total number of nondeveloping eggs in which sperm were seen

Column W = absent = total number of nondeveloping eggs in which sperm were not seen

Column X = total of Columns V+W

Column Y = % nondev with sperm = Column V divided by Column X

#Columns AB-AT

Sex ratio data

Row 1 notes that this is the Sex Ratio Data

Row 2 = Cross type

Row 3 – indicates the column association with the cross (listed in Row 2) and whether the data are in Row 4 is for number of sons (males) or daughters (females)

Row 4 = actual number of observed male or female offspring for each cross

Row 5 = Expected number of male or female offspring for each cross

Row 6 = Chisquare test results to determine if there was any sex ratio bias in each cross