This zip archive contains phenotypic data: fecundity (Fecundity.txt), body fat content (bodyFatContent.txt) and resting metabolic rate (Metabolism.txt)

Fecundity.txt

This file contains the information about the fecundity assay. There are 7 columns in this file:

Column 1 Pop: population, H: hot-evolved and B: ancestral.

Column 2 Rep: replicate. There are 1 ancestral and 10 hot evolved replicates.

Column 3-4 Subrep and Subsubrep. For each hot evolved replicate 3 subreplicates were set up. Some of these subreplicates, if possible, were subreplicated.

Column 5 Female\_Num: the total number of females.

Column 6 Dry\_Weight: the total dry body weight (mg) of all female\_num females.

Column 7, Egg\_Num: the total number of eggs laid during 4 days by female\_num flies.

bodyFatContent.txt

This file contains the information about the body fat content assay. There are 7 columns in this file:

Column 1 Pop: population, H: hot-evolved and B: ancestral.

Column 2 Rep: replicate. There are 1 ancestral and 10 hot evolved replicates.

Column 3 Sex: F, female and M, male.

Column 4 Num\_Flies: the total number of flies used for assay.

Column 5 Wet\_Weight: the total body weight (mg) of Num\_Flies flies. NA specifies samples with error in weight measurement.

Column 6 Lipid: the amount of body fat (µg).

Column 7 LperFly: The amount of body fat per individual fly.

Metabolism.txt

This file contains the information about resting metabolic rate assay. There are 7 columns in this file:

Column 1 Pop: population, H: hot-evolved and B: ancestral.

Column 2 Rep: replicate. There are 1 ancestral and 10 hot evolved replicates.

Column 3 CO2: the amount of measured CO2 (VCO2 μL h-1)

Column 4 Dry\_weight: the average dry body weight (mg) of Num\_Flies flies.

Column 5 Num\_Flies: the total number of flies used for assay.

Column 6 Sex: F, female and M, male.

Column 7 CO2PerMg: the amount of measured CO2 per Dry\_weight