Gerritsma S, de Haan A, van de Zande L & Wertheim B (2013). Natural variation in differentiated hemocytes is related to parasitoid resistance in Drosophila melanogaster. J. Insect Physiol. 59:148-158, DOI:10.1016/j.jinsphys.2012.09.017

This folder contains five subfolders with following information:

Description.txt: full citation of the publication

1.Final_version
PdF of the online version of the publication

2.Manuscript
-Manuscript_text: Manuscript text
-Tables&Figures

3.Raw_data
-Dissections_ER_22022012.xls: contains the raw data results from dissection experiment of Feb 2012 (Individual encapsulation ability)
-Raw_data_Hemocytes_feb2012.xls: raw data of hemocyte counts feb 2012
-Encapsulation_Assay_2010_sheets_A_to_I.xls: Raw data of encapsulation assay 2010 (Population level encapsulation rate). NOTE: only sheets A to I hold the raw data

-Folder Scanned_datasheets: contains all raw data from datasheets (scanned) for hemocyte experiments and encapsulation assay (population level encapsulation rate)

4.Processed_data
-EncapsulationAssay_2010:
Results encaps essay.xls
R script and datafile for R: EncapsR.txt

-HemocyteCounts&ER_Feb_2012
All_data_feb2012.xls: holds all the data for both hemocytes and the discession experiment
R_Hemocytes_Data.xls: all the data (hemocytes and ER) in one compiled data file. Can be used for R
R_Hemocytes_Data.txt: text file version of previous
Script_final: R script to analyse the data
Variables_explanation.doc: explains all the variables used in the R script

-HemocyteCounts_June_2011
GOTH_GRO_BAY_KAL_HemocyteCounts_June2011.xls: datafile with results from an earlier experiment in June 2011. Data of GOTH was used in discussion
To analyse the data use: GOTH_GRO_BAY_KAL.txt and Script GOTH_GRO_BAY_KAL

-HemocyteCounts_Okt_2011
All data_lamellocyte_exp_Okt_Sept_2011.xls: datafile with results from an earlier experiment in Okt 2011. Only control larvae were tested. Data of GOTH was used in discussion

To analyse the data use: R_Lamellocytes.txt and Script lamellocyte check

5.Protocols
-Dissection&HemocyteCounts: A pdf file discribing the whole experimental setup/protocol: Dissection_Hemocyte_counts_protocol.pdf

-EncapsulationAssay_2010
Screening field lines for encapsulation ability.doc: experimental setup
Schedule encaps assay.xls: time schedule for experiment

6.Fieldwork
-Veldwerk_Samplesheet.xls: contains all information about the captured flies from the natural populations in Europe during fieldwork, including location, number of males,females and species
-Culture_schedule_fieldlines_1stmonths.xls: shows the culture schedule of the fieldlines for the first months in the lab. It also shows when certain flies were merged into one line and when they were at 15 degrees and when at 20 degrees celsius
-Fieldlines_location.ppt: ppt with google map pictures showing the location of the fieldlines and some extra info

7.Scanned labbooks
-Labbook_AdH_Hemocyte_counting_and_more: some notes from Ammerins de Haan (second author)
-Pilot_experiments_2011: First pilot experiment hemocyte counts
-Labbook1_SG_EA_2010&HC_2011_part1: Contains notes on first hemocyte count experiments from 2011 (June/July)
-Labbook1_SG_EA_2010&HC_2011_part2
-Labbook2_SG_HC_2011_2012: Contains notes on hemocyte experiments from Oct/Nov 2011 and the big experiment in Jan/Feb 2012