Read me

Title: Data description – Ecological comparison of native (Apis mellifera mellifera) and hybrid (Buckfast) honeybee drones in southwestern Sweden indicates local adaptation.

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The RFIDregistrations_system1.csv file refers to the registrations that were captured with the movement direction. In RFIDregistrations_system2.csv, only unknown movement directions are present.

Each row represents a registration by the reader at the entrance of a hive.

Timestamp.UTC – Date and Time of a registration in UTC time.

ReaderID – Reader ID Number of an RFID reader. One for each experimental hive (4 in total).

UID – Unique Identification Number of an RFID tag.

Direction – Direction of Registration. Either Arriving (enter the hive), Departing (exit the hive) or Unknown (tag has been registered without a movement direction).

Ant1 – First antenna registration. If field crossed, the antennae registered a tag.

Ant2 – Second antenna registration. If field crossed, the antennae registered a tag.

RFID data was collected with tags, reader and controller developed by Microsensys GmbH for the identification of small insects.

The files RFID_alldrones.xlsx and RFID_allworkers.xlsx contain information about all tagged bees in spring and in summer. This includes:

Location - Uddevalla

Season – Either spring or summer

Subspecies – Buck = Buckfast, Mel = *Apis mellifera mellifera*

Name – Name of the breed

Reader ID – as above

UID – as above

Status – newborn, if tagged directly after hatching

Notes