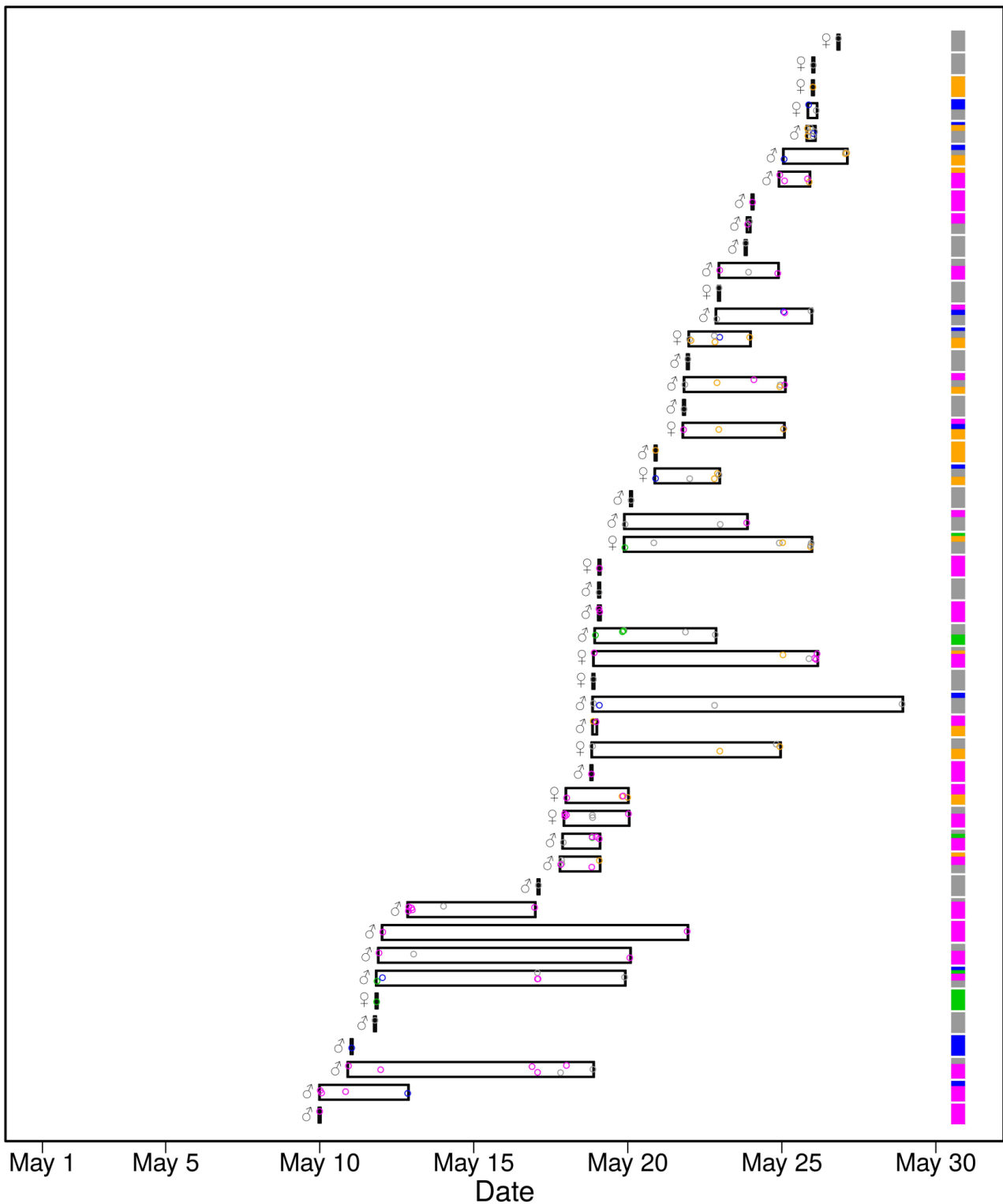


## **Appendix 1**

We studied individual specialisation and temporal changes in flower visitation of the Clouded Apollo butterfly (*Parnassius mnemosyne*). Here we show flower visitation data of those 48 individuals that were too scarcely observed to be included in the analyses.



**Figure A1. Individual visit patterns for butterflies observed on less than 8 occasions.** Horizontal bars show 48 individuals' observation timespan. Coloured circles represent the observed visits on a given flower species ordered horizontally according to time and jittered vertically within the horizontal bars. Colours represent the most visited flower species; green: *Fragaria viridis*, magenta: *Silene viscaria*, orange: *Dianthus giganteiformis subsp. pontederae*, blue: *Polygala comosa*, and grey: the rest of the species clumped into a single group, referred to as "other species". Butterfly sexes are on the left of the horizontal bars. The bars to the right of the horizontal bars show the proportion of visits to different flower species by each individual butterfly.