Experiment 1   Experiment 2   Experiment 3

Trade-off between distance and prioritization of high-reward sites in traplining bumblebees
by Lihoreau, Chittka & Raine

Fig. S3. Flower visitation sequences (excluding revisits to the same flower). For each bee (columns 1-15), visitation sequences are sorted in chronological order (bouts 1-40: phase 1; bouts 41-80: phase 2). Numbers 1-5 in each row refer to the spatial location of each flower in the array (see Fig. 1): hence a bee moving clockwise round the pentagonal array in order starting with a visit to flower 1 would be recorded as '12345'. Colour codes (44 combinations of font and cell colours) indicate the sequences observed significantly more often than expected by chance during phases 1 and 2 (multinomial test with a random probability 0.0083: $p < 0.05$). *: sequences minimizing travel distance (phases 1 and 2); †: sequences maximizing initial rate of food intake (phase 2). Incomplete sequences, in which at least one of the five flowers was not visited, are indicated using a red font and white cell background (these sequences were not included in analyses).