



Supp Fig. 1 An example dynamic power spectra and tracking path. (a) Dynamic power spectrum shows the power spectra as a function of time. Power spectra were calculated via a short time Fourier transform with a time window of 12.8s and an overlap of 6.4s. **(b)** A subject tracking path, shown in solid black line, with colored markers overlaid representing the instantaneous velocity at each point (ms^{-1}). The subject encounters the scent trail at 35 seconds and encounters the sharp turn at 80 seconds. Inset is an enlarged view of a section of the path. The dashed line represents the underlying scent trail.