



Fig S1. Pilot experiments with free-flying *A. cerana* foragers that were experienced with natural flowers. Bees generalized towards short wavelength colours after training with Pale-Blue stimuli ($sst = 758.99$, $p=0.0002$, $\chi^2_1 = 59.29$, $df = 1$, $p < 0.001$) and long wavelength colours ($sst = 141.71$, $p=0.0062$, $\chi^2_1 = 47.61$, $df = 1$, $p < 0.001$) after training with a Pale-Yellow stimuli. After training to UV-Grey stimuli, bees did not exhibit any preference patterns ($sst = 4.85$, $p=0.860$, $\chi^2_1 = 1.21$, $df = 1$, $p = 0.27$), which is likely to be an effect of mixed previous experiences with flower colours that the foragers had.