



Figure 11 – figure supplement 1. Temporal profiling of reach cycle for black and white mice with Dynamic Time Warping. Light gray and light blue lines indicate time-warped average reach cycles for individual Black and White mice respectively. Darker lines (black and blue) indicate time-warped group average reach cycles. “Time-warped average reach cycle” for each animal was found by the following steps; **1)** individual reach cycles were zero padded to make their lengths equal, **2)** average reach cycle was obtained from zero padded cycles, **3)** time warping of original cycles was done with average reach cycle obtained in step 2 using Matlab’s “dtw” function, **4)** averaging of individually time-warped reach cycles obtained in previous step provided time-warped average reach cycle for an animal (shown by light gray and light blue lines). By following similar steps, time-warped group average reach cycle was found (darker lines, black and blue).