



Figure 1 – figure supplement 1 | Whisker movements are largely restricted to the period after the air-puff

A. During a prolonged period of 0.5 Hz whisker pad stimulation, in roughly half the trials the stereotypic whisker movement – retraction followed by a large active forward sweep – is followed by a prolonged period of more variable whisker movements. The traces show here the whisker movement (averaged over all trackable whiskers) during the two trials marked “I” and “II” in Figure 1D.

B. Violin plots showing the amplitudes (difference between maximal retraction and maximal protraction in three 200 ms interval (relative to the start of the air-puff: -200 – 0 ms (Pre-stim), 0 – 200 ms (Stim) and 200 – 400 ms (Post-stim))) of individual trials of 16 mice (with approximately 100 trials per mouse). Horizontal lines represent 10th, 25th, 50th, 75th and 90th percentiles. **C.** Fractions of trials with movements exceeding 10°. Asterisks indicate significantly different fractions of trials with movement. *** $p < 0.001$ ($\chi^2 = 1470.24$; 3x2 χ^2 test).