

Supporting information

An on-demand gas segmented flow generator with high spatiotemporal resolution for *in vivo* analysis of neuronal response in *C. elegans*

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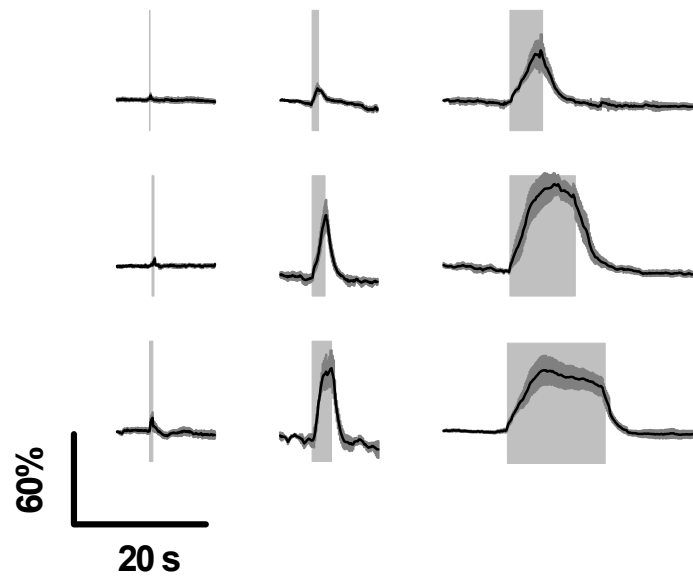


Figure S1 O₂ pulse-evoked URX neuronal activities in *C. elegans*. Stimuli durations are 0.1, 0.3, 0.5, 1, 2, 3, 5, 10 and 15 s respectively. Black line and dark grey shadow indicate the mean value and standard error of the mean (SEM). Each trail repeats 5 times.

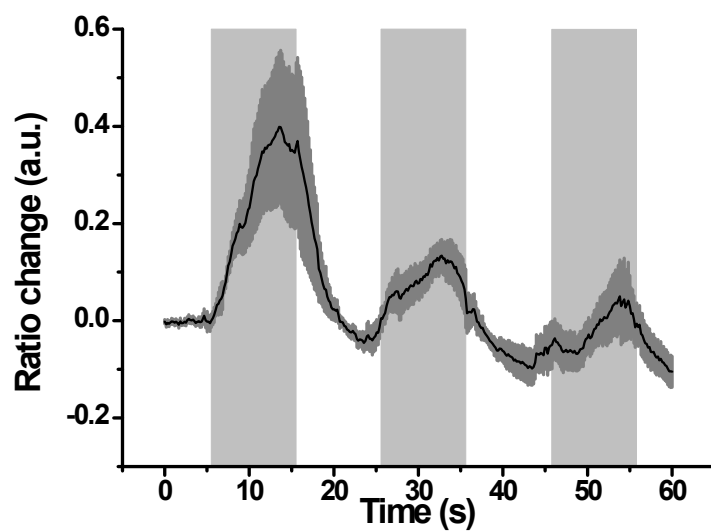


Figure S2 Multiple O₂ pulses with 10 s duration and 10 s interval evoked calcium transients in URX neurons. Black line and dark grey shadow indicate the mean value and SEM (n = 5).