



Extended Data Fig. 1 | GCaMP6 detects ABA-induced Ca^{2+} wave in the root. Fluorescence signals of GCaMP6s stimulated by ABA in 7-day-old plant root tip. $(F-F_0)/F_0$, relative fluorescence intensity. The red dotted box on the left indicates the area where the Ca^{2+} signal was detected. Instead of Ca^{2+} oscillations in guard cells, dual peaks (green arrow) were visible in the ABA-induced Ca^{2+} wave in the root tip. ABA, 10 μM . Error bars denote $\pm\text{s.e.m.}$, $n=7$. All results were conducted in at least three biological repeats with similar results.