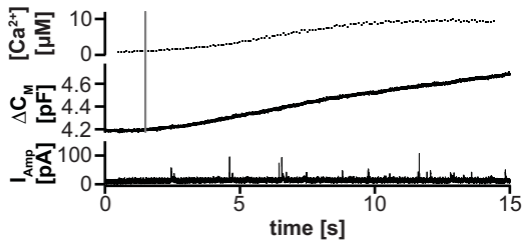
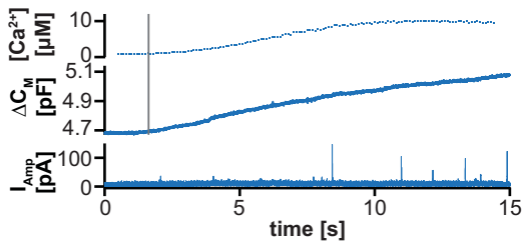
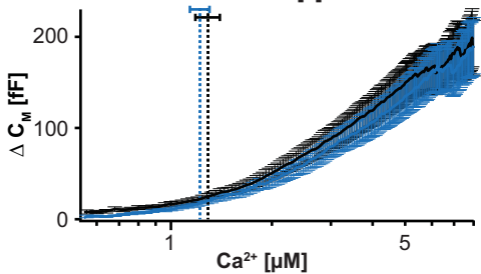


A**B****C**

Supplementary Figure S3. Experiments with slowly increasing Ca^{2+} -levels (ramp experiments) reveal similar release thresholds in *vtila* nulls and littermate wildtypes. (A and B) Representative examples of ramp experiments in wildtypes (A) and *vtila* nulls (B). The top panel shows the increase in intracellular Ca^{2+} -concentration. The middle panels show the resulting capacitance increase and the bottom panel the amperometric current. The vertical lines represent the time point of maximal acceleration of the capacitance response that provides a sensitive readout of the Ca^{2+} -sensitivity of exocytosis. C. Many capacitance responses were replotted from experiments like the ones shown in A and B to reveal the Ca^{2+} -dependency of the capacitance increase. The dashed vertical lines represent the average Ca^{2+} -concentrations of maximum acceleration. All panels: wildtype control is shown in black, *vtila* nulls in blue. Traces and histograms show means, error bars are SEM. Number of cells (n): wildtype: n=48; *vtila* nulls: n=50.