

Additional Figure. Yusef et al.

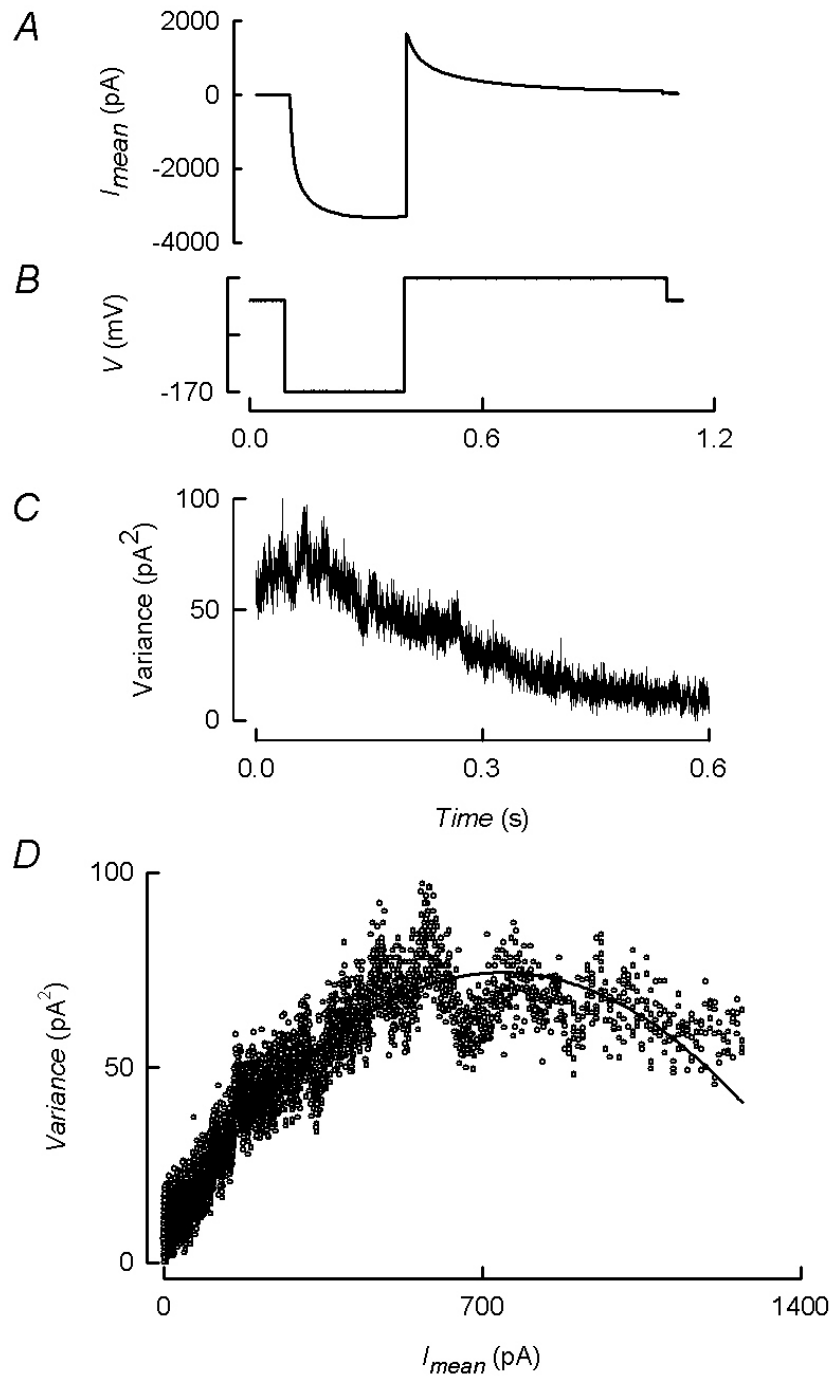


Fig. 1. Variance-mean current relation analysis for ClC-2 channels. A. Mean current obtained from 95 current traces elicited by repeating the pulse shown in B at 20 s intervals. C. Variance for the tail currents obtained during the 30 mV part of the current response. D. Plot of the variance versus the magnitude of the mean current. A parabola of the form $\sigma^2 = I \langle I \rangle - \langle I^2 \rangle / N$ has been fit to the points; i is the unitary current, $\langle I \rangle$ is the macroscopic mean current and N is the number of channels present. The fitted value of i was 0.18 pA, $N=8,341$. The fit implies that the channel are open at a $P_o = 0.85$ at the peak of the current.