

Albrecht, M.A., S.L. Colegrove, and D.D. Friel
The Journal of General Physiology. Volume 119, No. 3, March 2002. 211–233.

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The abscissa of Fig. 5 D was not labeled and did not correspond to the inset. The corrected figure appears below:

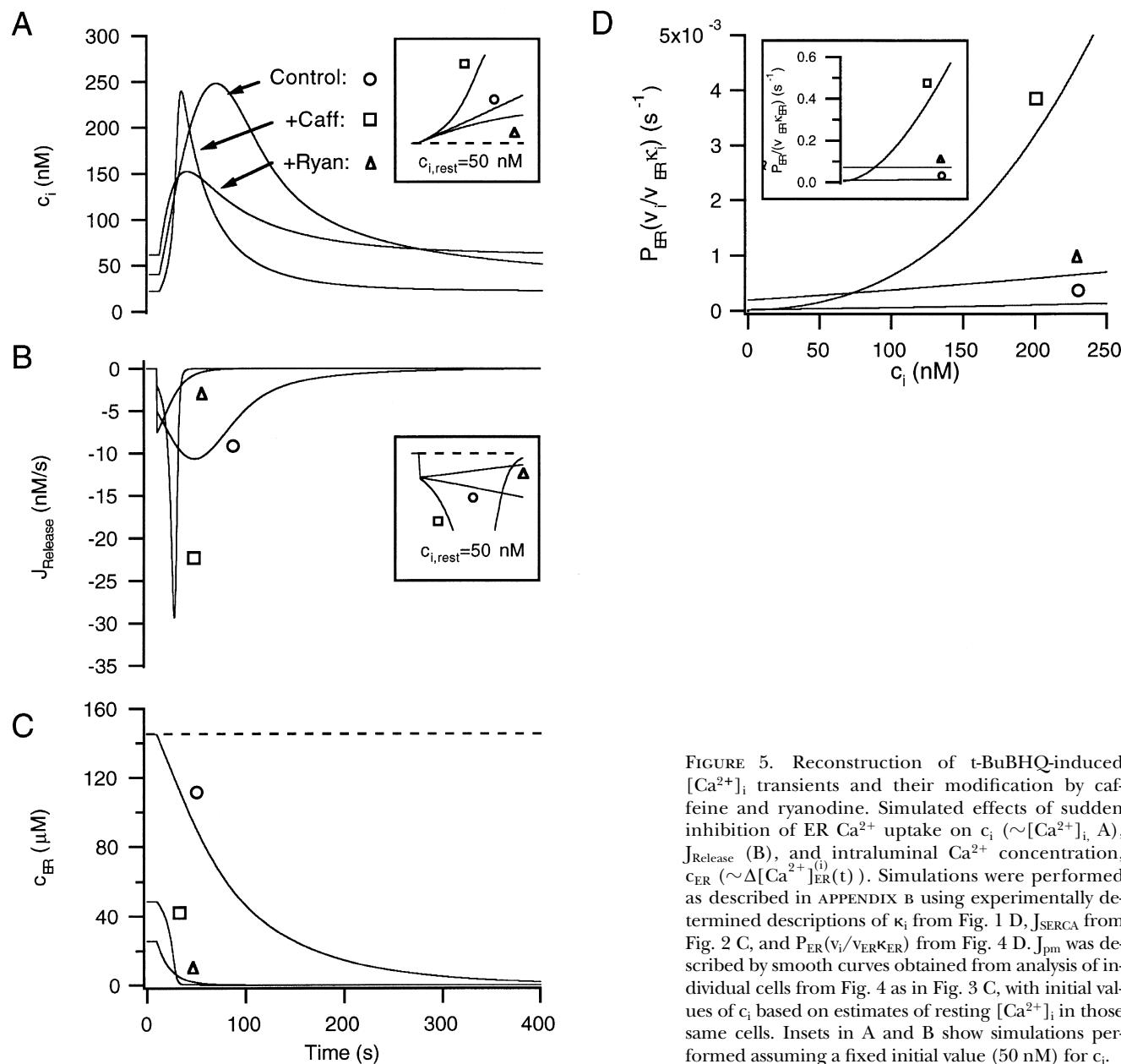


FIGURE 5. Reconstruction of t-BuBHQ-induced $[Ca^{2+}]_i$ transients and their modification by caffeine and ryanodine. Simulated effects of sudden inhibition of ER Ca^{2+} uptake on c_i ($\sim [Ca^{2+}]_i$, A), $J_{Release}$ (B), and intraluminal Ca^{2+} concentration, c_{ER} ($\sim \Delta [Ca^{2+}]_{ER}(t)$). Simulations were performed as described in APPENDIX B using experimentally determined descriptions of κ_i from Fig. 1 D, J_{SERCA} from Fig. 2 C, and $P_{ER}(v_i/v_{ER}\kappa_{ER})$ from Fig. 4 D. J_{pm} was described by smooth curves obtained from analysis of individual cells from Fig. 4 as in Fig. 3 C, with initial values of c_i based on estimates of resting $[Ca^{2+}]_i$ in those same cells. Insets in A and B show simulations performed assuming a fixed initial value (50 nM) for c_i .