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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:

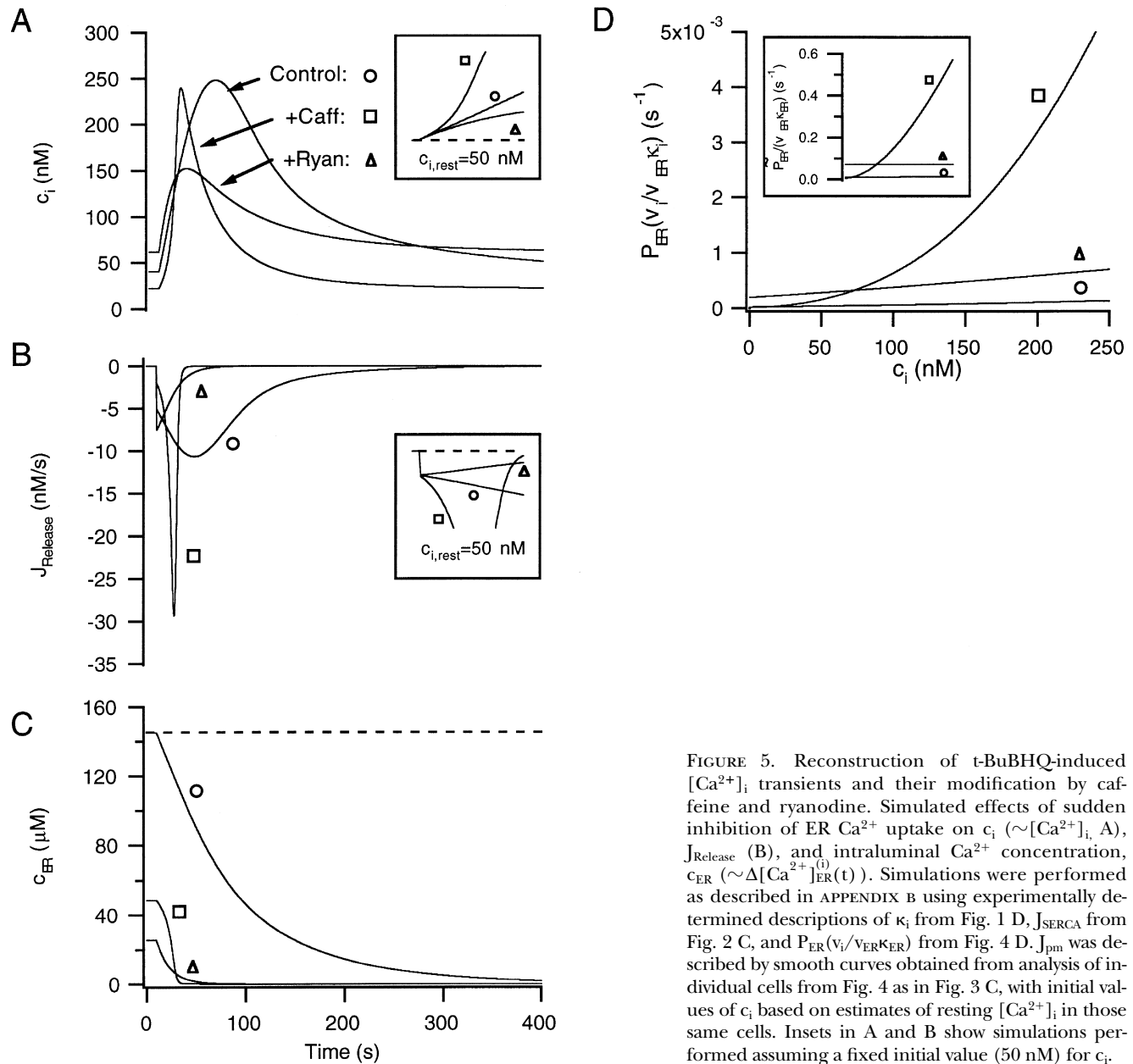


FIGURE 5. Reconstruction of t-BuBHQ-induced $[\text{Ca}^{2+}]_i$ transients and their modification by caffeine and ryanodine. Simulated effects of sudden inhibition of ER Ca^{2+} uptake on c_i ($\sim [\text{Ca}^{2+}]_i$, A), J_{Release} (B), and intraluminal Ca^{2+} concentration, c_{ER} ($\sim \Delta[\text{Ca}^{2+}]_{\text{ER}}^{(i)}(t)$). 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 $P_{\text{ER}}(v_i/v_{\text{ER}}\kappa_{\text{ER}})$ 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 $[\text{Ca}^{2+}]_i$ in those same cells. Insets in A and B show simulations performed assuming a fixed initial value (50 nM) for c_i .