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Full Title: Glutamate-induced ATP synthesis: relationship between plasma membrane NCX and EAAT in brain and heart cell models

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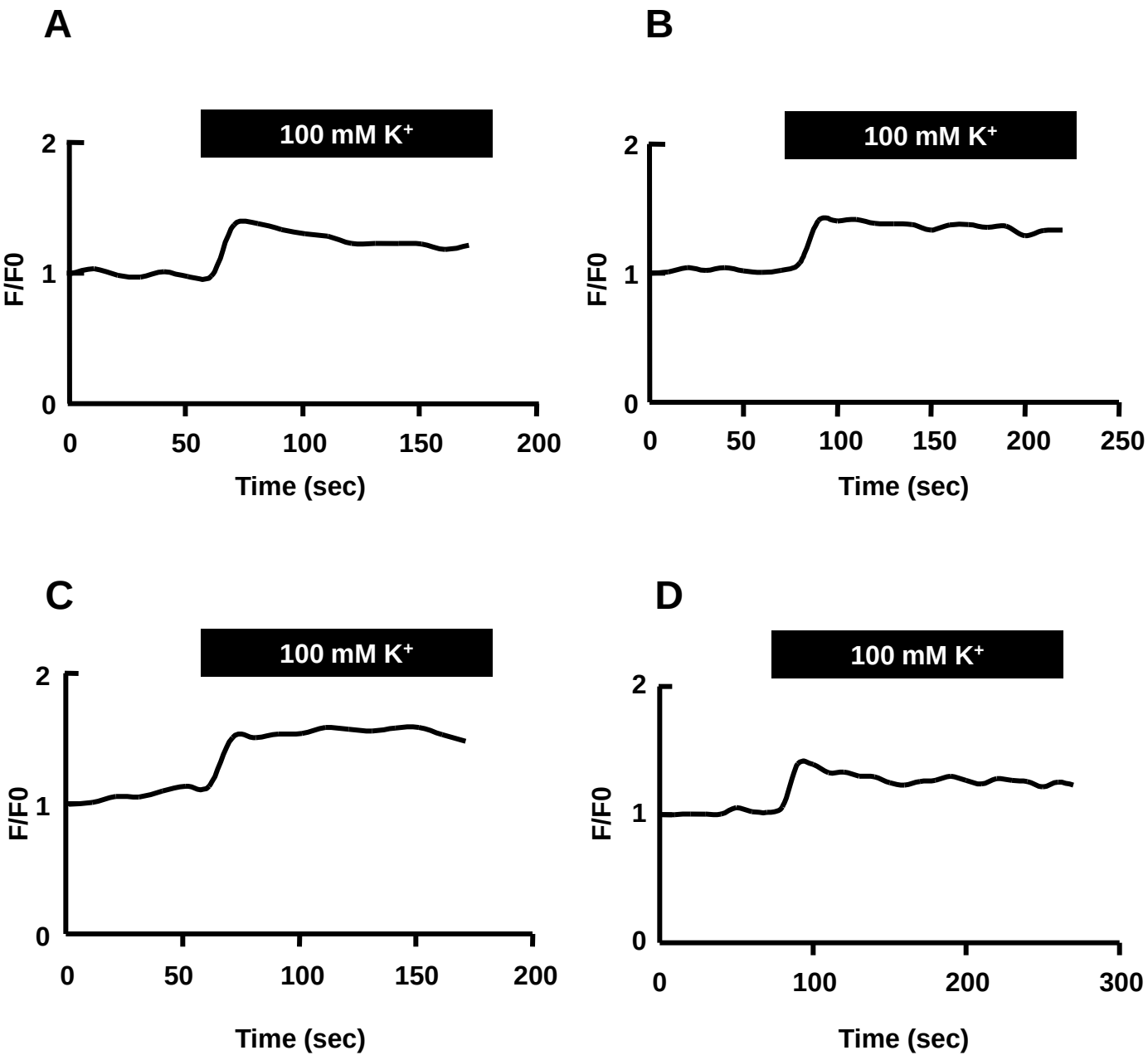

Fig. S1. Plasma membrane depolarization induced by perfusion with high K^+ extracellular solution.

Cell membrane potential was monitored in SH-SY5Y (A), C6 (B), H9c2-NCX1 (C) and H9c2-WT (D). Upon perfusing cells with an extracellular solution containing 100 mM K^+, a stable increase in fluorescence was observed in all the cell type analyzed, indicating plasma-membrane depolarization. Images were acquired at 10 sec intervals. For each cell line, 40-60 cells were analyzed in three different sessions with comparable results.