



Fig. 3 In vitro responses of PFC neurons to selective DA stimulation. (A) Single example showing inhibition of action potential generation to current injection following DA stimulation. (B) In subpopulation of cells, DA stimulation shifts the IV curve to the right, decreasing the number of action potentials generated. (C) This DA-evoked inhibition is blocked by D1 antagonist SCH23390, but not by D2 antagonist sulpiride (D). (E) Single example showing presence of the I_h current in response to hyperpolarizing current injection. (F) the absence of this current was predictive of a DA-induced decrease in excitability.