

**Suppl-Figure-1:** Ibogaine does not induce currents in *Xenopus laevis* oocytes expressing hSERT. *Xenopus laevis* expressing hSERT were voltage clamped using the two electrodes voltage clamp technique and continuously superfused with buffer solution either containing 100 mM  $\text{Li}^+$  (white bar) or 100 mM  $\text{Na}^+$  (black bar).  $\text{Li}^+$  caused a leak current that was decreased by  $\text{Na}^+$ . When Ibogaine was applied at the indicated concentrations no change in holding current amplitude was visible.

