

Table S1. $V_{1/2}$ (mV) for Activation, SSI 500 ms, SSI 200 ms, SI 1 s, SI 3 s, SI 5 s, and SI 10 s. These numbers are related to Figures 2, 3, and 4 \pm SEM. * indicates statistical significance.

Concentration	Activation	SSI 500 ms	SSI 200 ms	SI 1 s	SI 3 s	SI 5 s	SI 10 s
Veh	-45.0 \pm 1.6	-84.6 \pm 1.4	-79.9 \pm 0.3	-41.2 \pm 6.4	-34.8 \pm 2.0	-36.9 \pm 1.6	-44.7 \pm 1.6
1 μM	-41.9 \pm 1.3	-84.0 \pm 1.5	-80.1 \pm 0.4	-42.1 \pm 3.8	-33.6 \pm 2.0	-36.1 \pm 1.1	-45.0 \pm 0.9
4 μM	-44.7 \pm 1.8	-86.1 \pm 1.9	-81.0 \pm 0.5	-36.2 \pm 4.5	-34.4 \pm 2.6	-34.8 \pm 1.8	-44.5 \pm 1.3
7 μM	-44.0 \pm 1.3	-89.0 \pm 3.6	-80.0 \pm 0.2	-40.9 \pm 4.4	-38.9 \pm 2.2	-40.1 \pm 1.4	-46.5 \pm 1.0
15 μM	-39.6 \pm 1.1	-99.3 \pm 1.3*	-85.6 \pm 0.4*	-42.0 \pm 3.8	-39.2 \pm 2.0*	-45.4 \pm 1.1*	-56.7 \pm 1.0*
30 μM	-48.4 \pm 6.5	-100.6 \pm 2.7*	-88.1 \pm 0.3*	-35.8 \pm 3.2	-44.2 \pm 1.4*	-52.4 \pm 1.0*	-64.4 \pm 1.4*

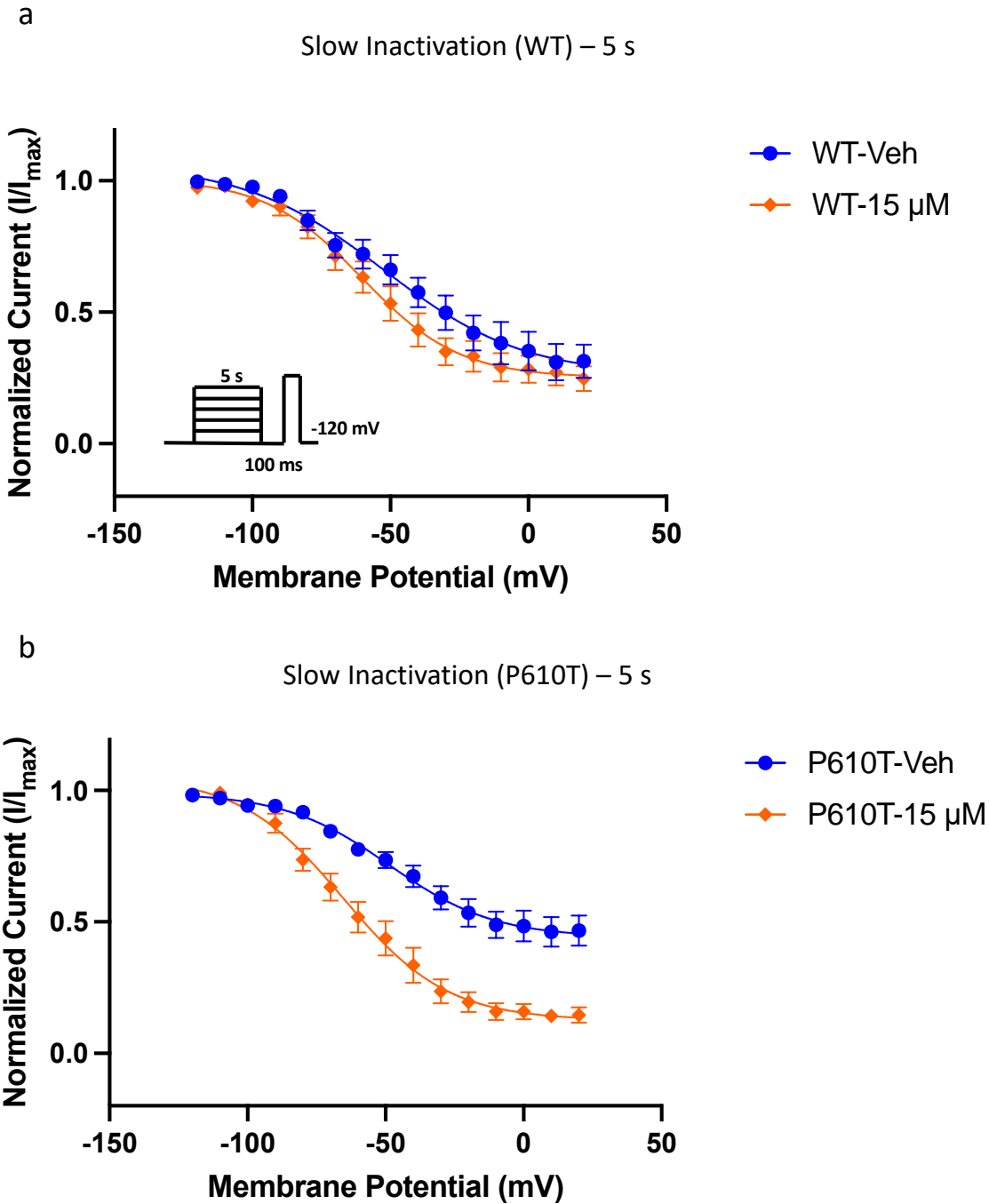
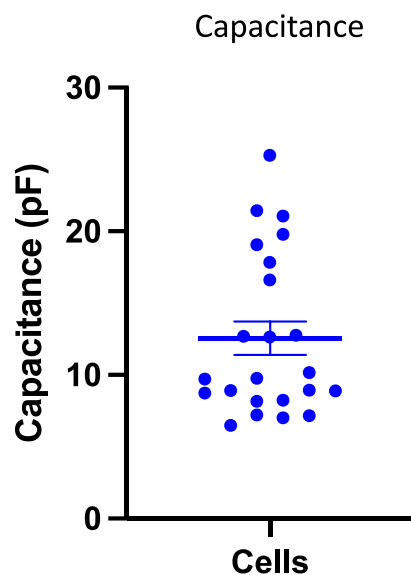


Figure S1 – CBN hyperpolarizes slow-inactivation curve in Nav1.7-P610T.

(a-b) Shows the curves associated with mutant and WT channels, transiently transfected into HEK cells. The time course that was used was 5 s. The concentration of CBN uses was 15 μ M. Data shown as means \pm SEM (n = 5-9).

a



b

CBN – Inhibition of Native TTX-R Current

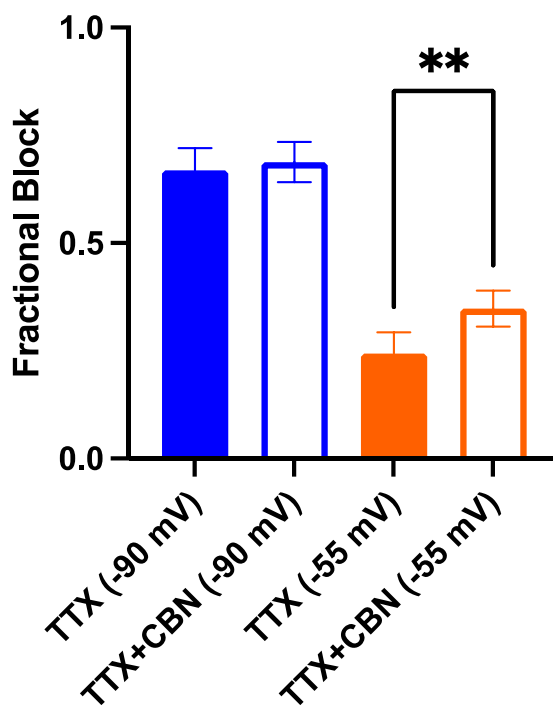


Figure S2 – CBN inhibits TTX-R current in freshly isolated DRG neurons.

(a) Shows the capacitance distribution of the cells that were tested at 10 μ M. (b) Shows the fractional inhibition that CBN imparted at -90 and -55 mV. Data shown as means \pm SEM (n = 21-26).