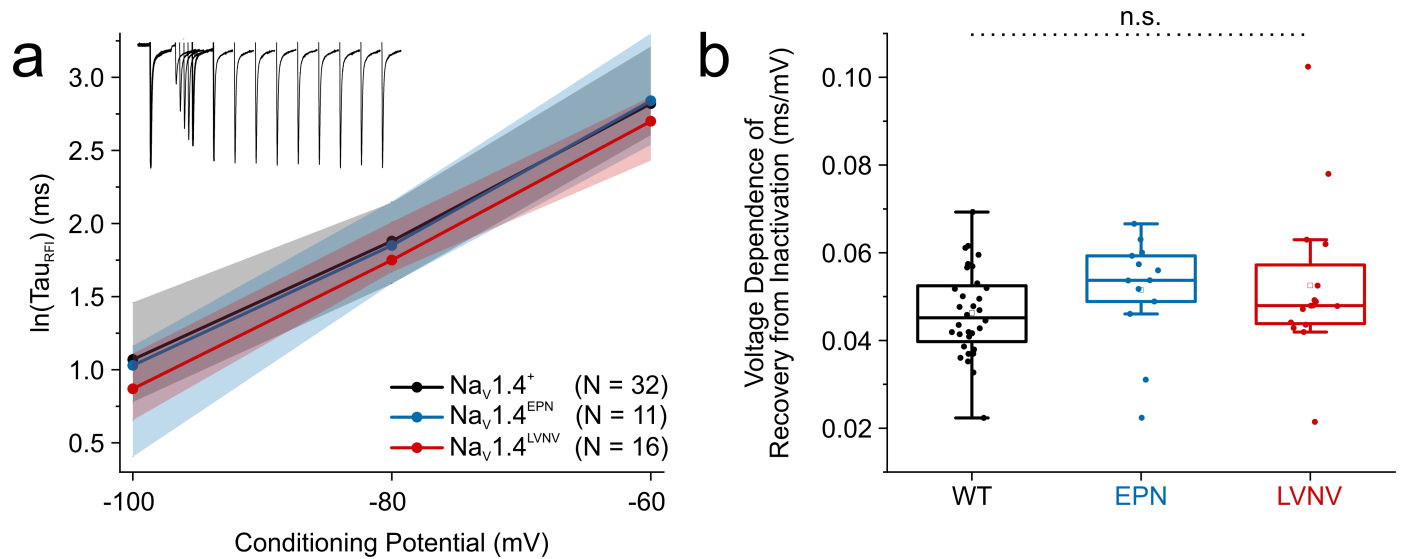


Supp.Fig. 3. Voltage-dependence of recovery from inactivation not affected by resistance-conferring pore-domain mutations in muscle-type sodium channel



a, The time constant of a single exponential fitting of recovery from inactivation as a function of conditioning potential (V_{cond}). Solid lines and symbols are medians; shaded areas represent the interquartile range. Over the V_{cond} range tested, the recovery time constant is log linear. Sample -80 V_{cond} data inset. **b**, The slope of the time constant of recovery over the voltage range is not affected by the pore-domain mutations which confer TTX-resistance. The molecular site of voltage-sensitivity and the inactivation are physically disparate from the pore, albeit connected by the single amino acid chain which comprises the functional channel, but under these conditions, does not appear to induce far-reaching effects on the structure-function relationship.