Pless et al., http://www.jgp.org/cgi/content/full/jgp.201311036/DC1

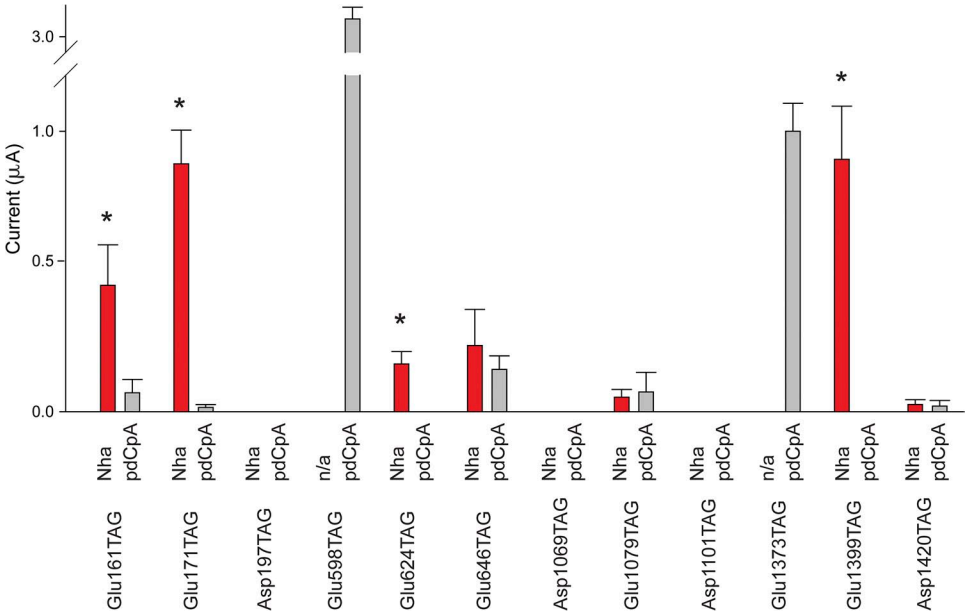

Figure S1. Analysis of Nha incorporation. Bar graph showing the average current size observed when TAG stop codons replaced the codons for acidic residues in S2 and S3 in Nav1.4; red bars show average current sizes after coinjection of $Na_v1.4$-TAG mRNA with (Nha)-acylated tRNA (Nha-pdCpA-tRNA; abbreviated as Nha in the figure), and gray bars show current sizes obtained after coinjection of $Na_v1.4$-TAG mRNA with pdCpA-tRNA lacking a conjugated amino acid (abbreviated as pdCpA in the figure). *, statistical difference to values obtained with pdCpA in an unpaired *t* test ($P < 0.05$). Note that Glu624TAG elicited currents when injected with Nha-coupled tRNA but not amino acid–free tRNA. However, given the limiting rescued current size obtained with Nha-pdCpA-tRNA (<200 nA), this substitution was not characterized but instead the conventional Glu624Gln mutant was analyzed (see Fig. 2). Furthermore, Glu598TAG and Glu1373TAG generated large currents in the presence of pdCpA-tRNA lacking a conjugated amino acid and were thus not further investigated. Note the break in the y axis.