

Kontis, K.J., A. Rounaghi, and A.L. Goldin.

The Journal of General Physiology. Volume 110, No. 4, October 1997.

Page 400.

Table IV referred to previous data from Chen et al. (1996) concerning mutations in domain IV of the sodium channel. However, the numbering system for mutations in domain IV used by Chen et al. (1996) differed from that used in this paper. Therefore, two mutants were labeled incorrectly. Mutant 4R1Q should have been termed 4R0Q, and mutant 4R3Q should have been termed 4R2Q. The corrected table is reprinted below.

TABLE IV
Summary of Charge-neutralizing Mutation Effects on Activation

Mutant	$v_{1/2}$ shift*	z_m change (e_0)*
<i>mV</i>		
1R1Q [‡]	+3.3	-0.6
1R1Q [§]	-2.0	0.0
1R2Q	-1.0	+0.4
1R2Q [§]	-8.0	-1.8
1R3Q [‡]	+4.7 ^π	-1.7 ^π
1R3Q [§]	+12.0	-1.5
1K4Q	+18.5 ^π	-1.2 ^π
1K4Q [§]	+19.0	-0.9
2R1Q [‡]	+13.3 ^π	-1.2 ^π
2R2Q	+4.4 ^π	-1.1 ^π
2R3Q [‡]	+0.4 ^π	-1.6 ^π
2K4Q	+14.9 ^π	-0.7
2K5Q [§]	+10.0	0.0
3K1Q [‡]	-10.4 ^π	-0.5
3R2Q	-0.3	+0.4
3R3Q [‡]	+5.9 ^π	-2.1 ^π
3R4Q	-18.1 ^π	+0.3
4R0Q [‡]	+2.3	-1.6 ^π
4R2Q	+3.6 ^π	-0.5
4R2Q [‡]	+8.6 ^π	-1.6 ^π
4R4Q	+0.4	+0.9

* $v_{1/2}$ and z_m are the half-maximal voltage and gating valence of activation. Data from Stühmer et al. (1989) did not include an assessment of statistical significance. [‡]Data from Chen et al. (1996). [§]Data from Stühmer et al. (1989). ^{||}The values for z_m from Stühmer et al. (1989) were multiplied by three for comparison because those values were based on three identical gating charges (m^3). ^πValues statistically significant, with a probability <0.05 resulting from random variation.