

	Desensitization		Activation	Cysteamine Response
	Weighted τ (s)	Norm Current at 20s	τ (ms)	EC ₅₀ (mM cysteamine)
WT	1.95 ± 0.48	0.100 ± 0.041	134 ± 50	5.1 ± 1.2
R117Q	1.49 ± 0.40	0.060 ± 0.020	54 ± 40 *	3.3 ± 0.9 *
R123Q	1.20 ± 0.39	0.067 ± 0.015	112 ± 65	3.7 ± 0.9
R286Q	1.67 ± 0.24	0.091 ± 0.023	106 ± 34	4.3 ± 0.4
R299Q	2.2 ± 0.17	0.074 ± 0.008	71 ± 27	4.7 ± 0.3
R301Q	0.66 ± 0.28 **	0.045 ± 0.017 **	72 ± 15	5.2 ± 0.8
R117Q/R299Q	1.13 ± 0.24 *	0.025 ± 0.004 **	54 ± 26 *	2.4 ± 0.7 **
R123Q/R299Q	1.66 ± 0.17	0.041 ± 0.005 **	74 ± 35	3.7 ± 0.6
R286Q/R299Q	2.08 ± 0.65	0.103 ± 0.032	92 ± 27	4.7 ± 1.5
R301Q/R299Q	0.45 ± 0.28 **	0.030 ± 0.017 **	71 ± 21	3.9 ± 0.9