

TABLE S5. Results of the statistical analysis of basal R430/500 fluorescence ratio of Cl⁻ Sensor in N2a cells expressing different mCherry-KCC2 mutants. The mean and SEM values are shown in Figure 3. SD = standard deviation, SEM = standard error of the mean, CV = coefficient of variation.

R430/500

	Mean	SD	SEM	Median	CV	n
Mock	1.2	0.10	0.05	1.16	0.09	4
Wild-Type	0.9	0.04	0.02	0.87	0.05	7
R1049C	1.1	0.13	0.06	1.07	0.12	4
R952H	1.1	0.15	0.08	1.09	0.15	4

***p* (One-way ANOVA between pairs of conditions)**

	Mock		Wild-Type		R1049C	
	F	<i>p</i>	F	<i>p</i>	F	<i>p</i>
Wild-Type	43.5	<0.001				
R1049C	0.9	0.36	16.7	0.003		
R952H	1.4	0.28	9.1	0.014	0.08	0.79