

Table S3. Results of the statistical analysis of E_{Gly} in N2a cells expressing different mCherry-KCC2 mutants. The mean and SEM values are shown in Figure 2. SD = standard deviation, SEM = standard error of the mean, CV = coefficient of variation.

E_{Gly}

	Mean	SD	SEM	Median	CV	n
Mock	-38.1	11.0	3.7	-35	-0.29	9
Wild-Type	-89.4	10.5	3.2	-90	-0.12	11
R1049C	-64.5	12.7	3.7	-64	-0.20	12
R952H	-59.4	18.9	5.7	-62	-0.32	11

***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	112.9	<0.001				
R1049C	24.9	<0.001	25.9	<0.001		
R952H	8.9	0.008	21.3	<0.001	0.6	0.45