

S2 Table. Potencies of GABA on *X. laevis* oocytes injected with CsRDL cRNA

	cRNA	EC₅₀ (95% CI) (μM)	Hill Slope (95% CI)	I_{max} ± SE (nA)	Number
1	wild-type	18.07 (13.94-23.42)	1.86 (1.09-2.62)	-5663 ± 394	6
2	I258T	26.69 (17.96-39.67)	0.95 (0.63-1.28)	-575 ± 223****	5
3	L275I	50.46 [#] (43.73-58.23)	2.48 (1.89-3.06)	-4526 ± 791	5
4	V288I	170.80 [#] (153.80-189.70)	1.96 (1.63-2.30)	-2134 ± 775**	5
5	M298N	161.60 [#] (117.50-222.40)	1.15 (0.77-1.53)	-186 ± 90****	5
6	AA303-304NS	319.80 [#] (268.60-380.70)	1.76 (1.26-2.26)	-2698 ± 961**	5
7	G3'M _{TMD3}	615.90 [#] (506.80-748.50)	1.41 (1.08-1.74)	-6265 ± 753	5
8	G319S	1156.00 [#] (977.00-1368.00)	2.84 (1.19-4.48)	-3413 ± 1025*	5
9	A327S	108.60 [#] (89.24-132.20)	2.40 (1.10-3.70)	-1735 ± 547****	5
10	G336N	140.00 [#] (124.10-158.10)	2.45 (1.85-3.05)	-4949 ± 1366	5
11	MA338-339IF	121.40 [#] (90.61-162.70)	2.02 (0.89-3.15)	-2021 ± 739***	5
12	M473V	17.58 (16.07-19.24)	2.03 (1.72-2.33)	-2363 ± 1101*	5
13	I477D	ND	ND	ND	12

CI, confidence interval; ND, not detectable.

indicates significant difference relative to wild-type CsRDL as determined by the 95% CI without overlapping.

*, **, *** and **** indicate significant difference relative to wild-type CsRDL as determined by Student's *t*-test with SPSS 17.0 (SPSS Inc., Chicago, IL) when $P < 0.05$, $P < 0.01$, $P < 0.001$ or $P < 0.0001$, respectively.