

Figure 12—source data 1. TPC1-dependent lifetime of the post-stimulus depolarization phase.

Current stimulus (pA)	VfTPC1 t_{plateau} (s)	AtTPC1-triple mutant E457/E605A/D606N t_{plateau} (s)					
	Exp. 1-6	Exp. 1-3	Exp. 4	Exp. 5	Exp. 6		
10	> 10.0	> 10.0	0.28	0.48	0.04		
30	> 10.0	> 10.0	> 10.0	0.59	0.04		
70	> 10.0	> 10.0	> 10.0	> 10.0	0.09		
150	> 10.0	> 10.0	> 10.0	> 10.0	0.23		
300	> 10.0	> 10.0	> 10.0	> 10.0	0.40		
500	> 10.0	> 10.0	> 10.0	> 10.0	2.70		
1000	> 10.0	> 10.0	> 10.0	> 10.0	> 10.0		
Current stimulus (pA)	AtTPC1 wild type t_{plateau} (s)						
	Exp. 1	Exp. 2	Exp. 3	Exp. 4	Exp. 5	Exp. 6	mean \pm SE (n = 6)
10	0.05	0.05	0.06	0.02	0.12	0.05	0.06 \pm 0.13
30	0.08	0.06	0.12	0.04	0.25	0.09	0.11 \pm 0.03
70	0.10	0.07	0.15	0.05	0.26	0.12	0.13 \pm 0.03
150	0.14	0.08	0.22	0.05	0.28	0.21	0.16 \pm 0.04
300	0.19	0.08	0.31	0.06	0.36	0.28	0.21 \pm 0.05
500	0.38	0.08	0.40	0.06	0.48	0.45	0.31 \pm 0.08
1000	0.55	0.09	0.53	0.09	0.62	0.68	0.42 \pm 0.11

Exp. 1 to 6 each represent a current clamp experiment with an individual vacuole.