

S5 Table: Electrophysiology data on *Myrf* conditional knockout mice.

Conditions	Stimulus intensity		Control, n= 4 eyes		<i>Rxcre;Myrf^{fl/fl}</i> , n=4 eyes		p value	<i>Rxcre;Myrf^{fl/fl}</i> , n=12 eyes		p value	
			Mean	SD	Mean	SD	wt vs. het	Mean	SD	wt vs. mut	
SCOTOPIC	0.01 cd*s/m ²	B	Amplitude (μV)	80	14	80	23	0.98	51	25	0.02*
			Implicit time (ms)	81	1	87	2		85	4	
	10 cd*s/m ²	a	Amplitude (μV)	-89	22	-102	15	0.38	-43	13	0.02*
			Implicit time (ms)	9	0	8	0		9	3	
		B	Amplitude (μV)	134	22	154	31	0.35	80	31	0.006**
			Implicit time (ms)	76	2	77	2		78	4	
32 cd*s/m ²	a	Amplitude (μV)	-106	26	-122	16	0.35	-48	13	0.02*	
		Implicit time (ms)	6.9	0.2	6.9	0.3		6.9	0.4		
	B	Amplitude (μV)	151	33	177	33	0.31	83	32	0.02*	
		Implicit time (ms)	71	3	74	1		76	4		
PHOTOPIC	10 cd*s/m ²	B	Amplitude (μV)	48	3	54	4	0.04*	20	9	3x10 ⁻⁷ ***
			Implicit time (ms)	40	2	39	1		46	4	
	32 cd*s/m ²	B	Amplitude (μV)	52	5	56	4	0.38	23	9	9x10 ⁻⁶ ***
			Implicit time (ms)	39	2	38	1		44	4	
	100 cd*s/m ²	B	Amplitude (μV)	53	7	59	6	0.23	25	9	0.0004***
			Implicit time (ms)	39	2	38	1		43	3	
FLICKER	20 cd*s/m ²	P1	Amplitude (μV)	30.75	0.86	35.96	3.39	0.05	17.53	6.35	1x10 ⁻⁵ ***
			Implicit time (ms)	49.00	1.73	47.13	0.63		51.5	2.71	

a, a-wave; B, B-wave; P1, peak flicker amplitude; SD, standard deviation; *** p<0.001; ** p<0.01; * p<0.05