

Table 1. Rod ERG amplitudes and implicit times of ST3GAL5<sup>+/+</sup> and ST3GAL5<sup>-/-</sup> mice

Stimulus strength (cd-s/m <sup>2</sup> )	Genotype	ST3GAL5 <sup>+/+</sup>			ST3GAL5 <sup>-/-</sup>			Effect of		
	Age (months)	4	9	12	4	9	12	Genotype	Age	Genotype X Age
	Eyes (n)	5	9	5	4	7	8			
<b>a-wave</b>										
0.008	Amplitude (μV)	14 ± 9.4	13 ± 8.9	14 ± 21.1	13 ± 12.5	17 ± 9.2	8 ± 5.2	NS	NS	NS
	Implicit time (ms)	24 ± 6.1	22 ± 9.2	25 ± 14.5	23 ± 15.8	27 ± 5.5	23.3 ± 11.8	NS	NS	NS
0.0008	Amplitude (μV)	9 ± 6.9	9 ± 5.9	9 ± 8.6	6 ± 10.5	10 ± 8.2	8 ± 8.3	NS	NS	NS
	Implicit time (ms)	22 ± 14.5	25 ± 4.9	26 ± 15.9	16 ± 18.9	25 ± 12.0	20.4 ± 13.5	NS	NS	NS
0.0008	Amplitude (μV)	10 ± 19.5	N.D.	N.D.	N.D.	N.D.	N.D.	NS	NS	NS
	Implicit time (ms)	8.6 ± 17.3	N.D.	N.D.	N.D.	N.D.	N.D.	NS	NS	NS
<b>b-wave</b>										
0.008	Amplitude (μV)	284 ± 108.1	292 ± 145.9	261 ± 185.1	284 ± 111.6	391 ± 127.2	189 ± 107.2	NS	NS	NS
	Implicit time (ms)	55 ± 6.8 <sup>c</sup>	60 ± 10.7 <sup>bc</sup>	76 ± 10.7 <sup>ab</sup>	75 ± 15.3 <sup>ab</sup>	75 ± 8.2 <sup>ab</sup>	78 ± 9.0 <sup>a</sup>	0.001	0.002	NS
0.0008	Amplitude (μV)	229 ± 104.0	254 ± 140.9	186 ± 152.5	263 ± 97.1	325 ± 86.2	156 ± 93.6	NS	0.04	NS
	Implicit time (ms)	64 ± 14.0 <sup>b</sup>	66 ± 13.5 <sup>b</sup>	98 ± 16.0 <sup>a</sup>	81 ± 16.2 <sup>ab</sup>	85 ± 4.9 <sup>a</sup>	88 ± 6.8 <sup>a</sup>	0.03	0.001	NS
0.0008	Amplitude (μV)	85 ± 39.2	68 ± 32.4	66 ± 45.0	59 ± 27.8	97 ± 36.6	66 ± 29.6	NS	NS	NS
	Implicit time (ms)	84 ± 8.2	83 ± 11.4	90 ± 22.5	95 ± 14.0	96 ± 8.0	101 ± 7.4	NS	NS	NS

NS: P value > 0.05 The a-wave amplitude is described in absolute volume.

If the a-wave was undetectable then b-wave amplitude was measured from the baseline at stimulus onset.