

Table 2. Maximal Response ERG amplitudes and implicit times of ST3GAL5^{+/+} and ST3GAL5^{-/-} mice

Stimulus strength (cd-s/m ²)	Genotype	ST3GAL5 ^{+/+}			ST3GAL5 ^{-/-}			Effect of		
	Age (months)	4	9	12	4	9	12	Genotype	Age	Genotype X Age
	Eyes (n)	5	9	5	4	7	8			
a-wave										
2.5	Amplitude (μV)	174±25.5 ^{ab}	187 ± 48.1 ^{ab}	149 ± 76.0 ^{ab}	154±13.2 ^{ab}	214 ± 77.5 ^b	108 ± 59.7 ^a	NS	0.009	NS
	Implicit time (ms)	18 ± 2.8	17 ± 2.7	19 ± 4.0	19 ± 2.3	18 ± 3.5	18 ± 4.7	NS	NS	NS
0.6	Amplitude (μV)	127 ± 9.4	136 ± 45.1	116± 77.3	141 ± 23.9	156 ± 45.7	83 ± 44.5	NS	0.04	NS
	Implicit time (ms)	23 ± 2.0	22 ± 1.7	23± 2.6	24 ± 1.8	23 ± 2.2	26 ± 5.1	NS	NS	NS
0.25	Amplitude (μV)	65 ± 7.4	83 ± 22.4	84± 87.2	55 ± 42.8	96 ± 37.8	49 ± 28.5	NS	NS	NS
	Implicit time (ms)	25 ± 1.9	25 ± 2.3	25± 2.3	27 ± 2.3	25 ± 2.7	25 ± 4.5	NS	NS	NS
b-wave										
2.5	Amplitude (μV)	486 ± 90.3	507.4 ± 171.4	437 ± 249.4	467 ± 59.1	605 ± 239.1	321 ± 178.0	NS	NS	NS
	Implicit time (ms)	40 ± 5.9	39 ± 4.1	39 ± 2.4	42 ± 5.5	45 ± 10.9	50 ± 13.3	0.02	NS	NS
0.6	Amplitude (μV)	441 ± 77.6	444 ± 172.9	402 ± 232.5	455 ± 84.8	527 ± 151.1	286 ± 149.8	NS	NS	NS
	Implicit time (ms)	43 ± 4.8	40 ± 3.7	42 ± 3.1	49 ± 6.2	46± 8.2	52 ± 12.2	NS	NS	NS
0.25	Amplitude (μV)	384 ± 82.7 ^{ab}	395 ± 120.0 ^{ab}	353± 193.5 ^{ab}	387 ± 73.7 ^{ab}	511 ± 160.0 ^a	264 ± 130.5 ^b	NS	0.03	NS
	Implicit time (ms)	45 ± 4.4	43 ± 6.7	48 ± 8.3	56 ± 5.3	48± 9.6	50 ± 11.0	NS	NS	NS

NS: P value>0.05

The a-wave amplitude is described in absolute volume.