

## Supplementary data

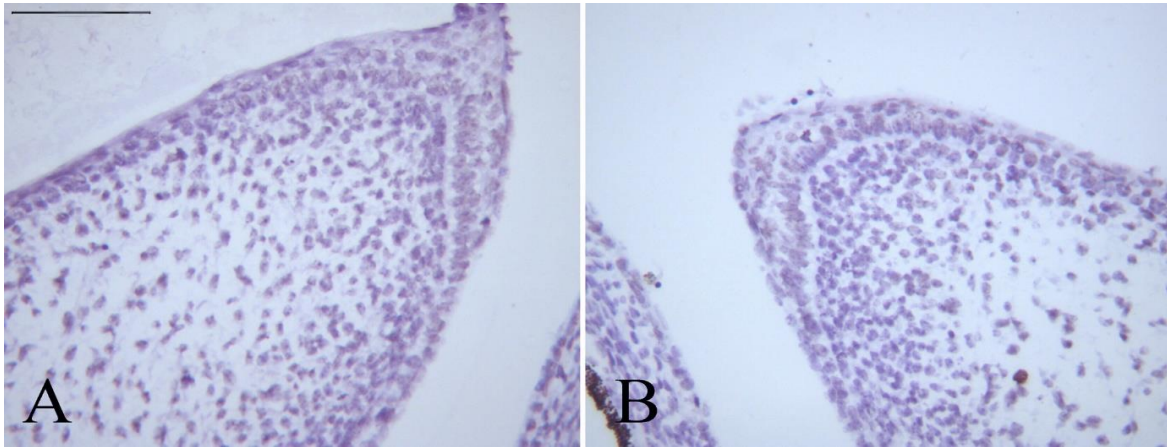


Figure S1. Neither wild-type nor *Map3k1*<sup>L314Q/+</sup> E15.5 fetuses showed significant apoptosis in the eyelid cells.

(A) Wild type      (B) *Map3k1*<sup>L314Q/+</sup>      Scale bar = 100  $\mu$ m

Supplementary Table 1. List of PCR primers

Primer	Sequence (5'-3')	Fragment size (bp)	Template
Exon1-1	F: 5'-CGCAGGCACGAGCGAATGT -3' R: 5'-CGGCGACGGGGAAGTAGATG -3'	328	genomic DNA
Exon1-2	F: 5'- CCGCCCTGCCCATCTACTTCC -3' R: 5'- GCCCCGCTCGCTTCATTCA -3'	252	genomic DNA
Exon 2	F: 5'- GCTGTTTACTTGTGCTTAGGAATCA -3' R: 5'- CTGTGACGGCTTAAGTGGCTTA -3'	347	genomic DNA
1	F: 5'- GAGAGAATGATCCGGGAGAAGCTCA-3' R: 5'- GCTTGTTCTGACCCATCTTCA-3'	856	cDNA
2	F: 5'- CACGCATGTCAAATTGTCACACACTG-3' R: 5'- AGTGTATACCAGCATGGCTCTCAAT-3'	761	cDNA
3	F: 5'- CTTACTCATTTTGGAAACCCAGCAGA-3' R: 5'- CTGGATGACCTCGGCAATTTCTA-3'	990	cDNA
4	F: 5'- CAAGCTGGTAACCATGCTTAATGC -3' R: 5'- CCTGAGACGCTGACATCGCCAT -3'	1049	cDNA
5	F: 5'- GACGACACCTACAAAGACGACG -3' R: 5'- GGGATGGACGGTGCAGTAGTT -3'	932	cDNA
6	F: 5'- GTATGGTAGGAGCTGTGATGTATGGA-3' R: 5'- GCATATCCTGTCTCCATTAGAGCTG-3'	304	cDNA