

Supplemental Information S1

Genotyping of the rd8 mutation by DNA sequencing in P2rx7^{-/-} mice.

Recently, the rd8 mutation has been reported to be widely inherited across strains supplied by common commercial vendors and ES cell lines [45] [46]. To confirm that P2rx7^{-/-} mice do not carry the rd8 mutation, we performed genotyping of the Crb1^{rd8} allele carrying a single base pair deletion in exon 9 of the Crb1 gene. PCR amplification using flanking primers (5'-GCC CCT GTT TGC ATG GAG GAA ACT-3' and 5'-GCC CCA TTT GCA CAC TGA TGA C-3') and subsequent DNA sequencing demonstrated that the genotype of P2rx7^{-/-} mice is the wild type allele ($n = 6$). Ocular fundus examination also confirmed that P2rx7^{-/-} mice have no phenotype of retinal degeneration, namely drusen-like lesions, which are found in mice carrying the rd8 mutation [46].