



**The sequences of PCR products derived by PCR-based genotyping.** All sequences were homologous to mouse rhodopsin intron 1 (Fig. 1B). The genotyping primer pair amplified 399 bp from WT allele and 573 bp from P23H allele. PCR product from P23H allele had total 174 bp of targeting vector backbone sequence insertions (indicated by underline). Primer pair for genotyping was indicated by highlight. Sequences were corresponding to agarose gel analysis shown in Fig. 1D. Lane 1, +/+; lane 2, *P23H/P23H*; lane 3, *P23H/+*.