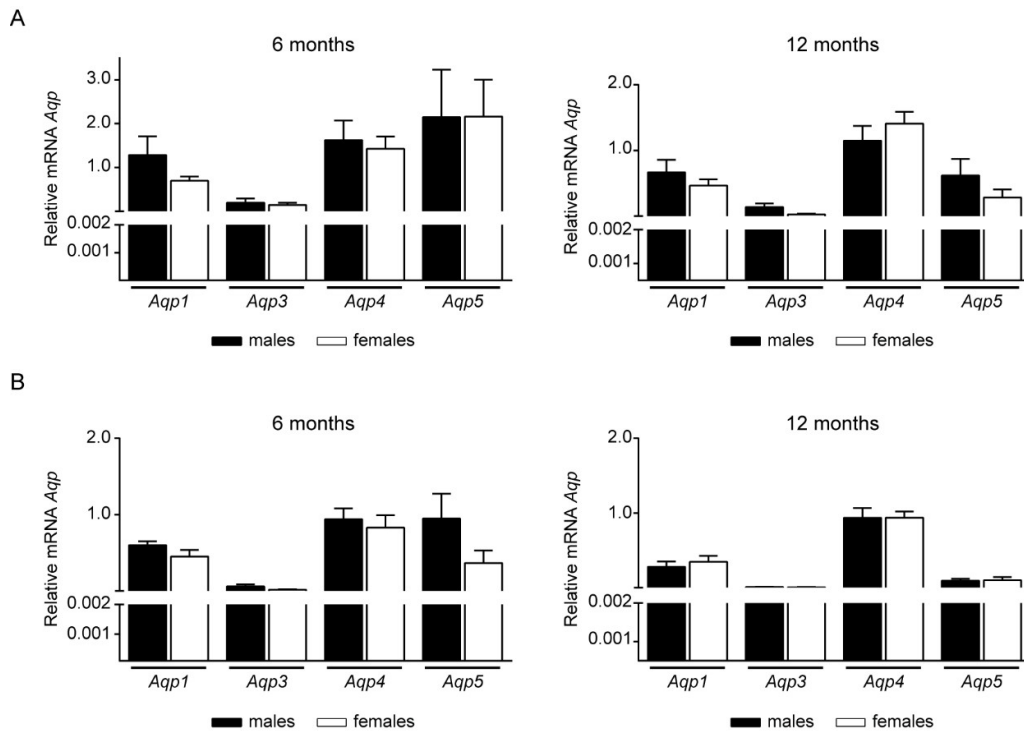


Supplementary Table S1. Real-time PCR oligonucleotides.

Gene	Sequence (5'>3')	
	Forward	Reverse
<i>Clock</i>	ccttgcgctctgtgggtgtt	tgcatcttctccaccaatcca
<i>Arntl</i>	cgctctacctgttcaagaaaa	tcaccgatttccccgttc
<i>Per1</i>	aaacggcaagcggatgg	gccatacagtgaggacgaaa
<i>Per2</i>	cagaggagaagactccgcac	ttgctgctgctggatgatgt
<i>Per3</i>	acgaagctctcgaatccct	gaatctgacggcgagtggt
<i>Cry1</i>	cggtagaggaagtccgggtg	tgaagaactgaccaagcggg
<i>Cry2</i>	tgaagaactgaccaagcggg	gttggtgattggcttctctgc
<i>Hprt</i>	gttggcttacctcaactgct	taatcacgacgctgggactg
<i>AQP0</i>	cgtgctctgcatctttgcta	accctccccacagtctcttt
<i>Aqp1</i>	tcccctaacttccccttg	agcacagggacaattccaag
<i>Aqp3</i>	cttgtgatgttggtgtgg	aagccaagttgatggtgagg
<i>Aqp4</i>	ttccgttcgatcttcagagg	tatcagcccatttcccagag
<i>Aqp5</i>	ttcaggaccatcccagaaag	taagatggcactcgacgaac
<i>AQP7</i>	atatgtgctgggtcagttcctg	aatgtttgcagtggccttgg
<i>Aqp8</i>	ttgctacctggggaacatc	caatcagccctccaaatagc
<i>Aqp9</i>	tgcgacttttggtgtctctg	ttgaaccactccatccttc
<i>AQP11</i>	ctgctggctgcactcatc	ttgagaaatacaggctac
<i>Gs</i>	actgtgagcccaagtgtgtg	ggaggtacatgtcgtgttg
<i>Glast</i>	gagcctcaccaaggaagatg	cctcccggtagctcatttta

HPRT: hypoxanthine-guanine phosphoribosyltransferase; AQP: aquaporin.



Supplementary Figure S1. RT-PCR analysis of the differential gene expression of *Aqps* in retinal samples derived from 6- and 12-month-old female and male APP/PS1 (**A**) and wt (**B**) mice. Data expressed as media \pm SEM. * $p < 0.05$, *** $p < 0.001$, $n = 12$ (6 male and 6 female) mice per group, using two-way ANOVA and Bonferroni's multiple comparison post-test. wt: wild type.