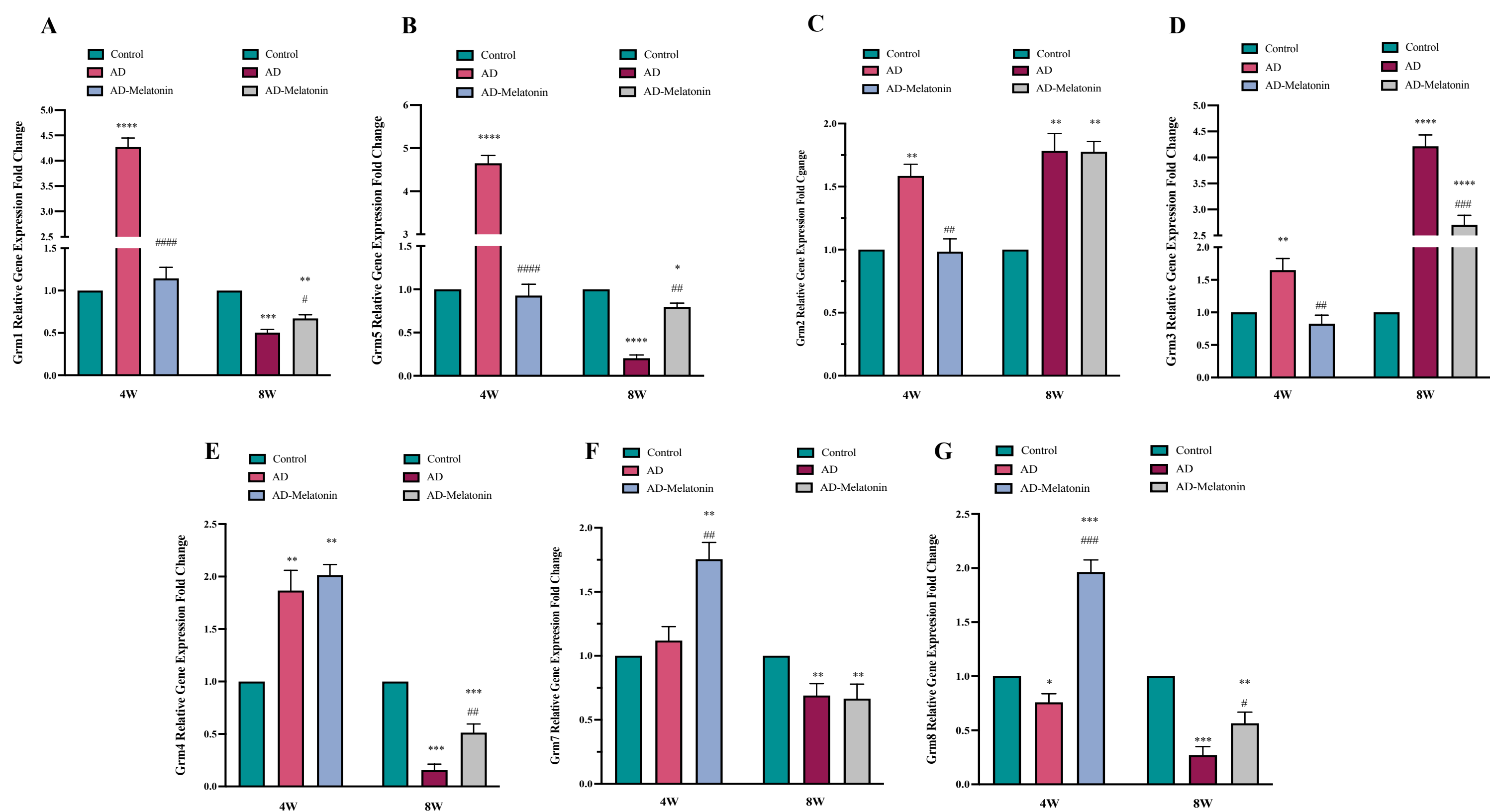




Positive Impact of Melatonin on mGluRs Gene Expression Changes Observed in AD-like Animal Models. (A) Changes in Grm1 gene expression. (B) Grm5 gene expression related to mGluR I group. (C) Changes in Grm2 gene expression. (D) Grm3 gene expression related to mGluR II group. (E) Changes in Grm4 gene expression. (F) Grm7 gene expression. (G) Grm8 gene expression related to mGluR III group in control animals, AD-like models (AD) with 4 weeks (4W) and 8 weeks (8W) of disorder, and models under melatonin treatment (AD-Melatonin) starting from the second week post-induction (4W) and starting from the fourth week post-induction (8W). Asterisks (*) denote statistically significant differences compared to Control, and hashtags (#) denote significant differences compared to untreated model animals.