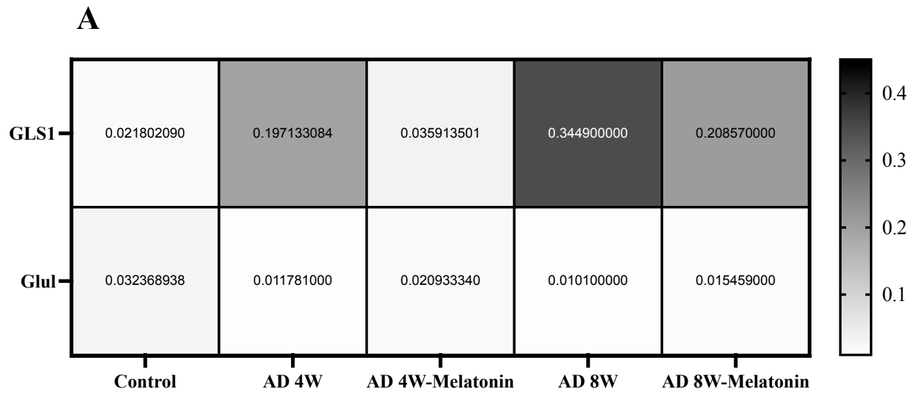

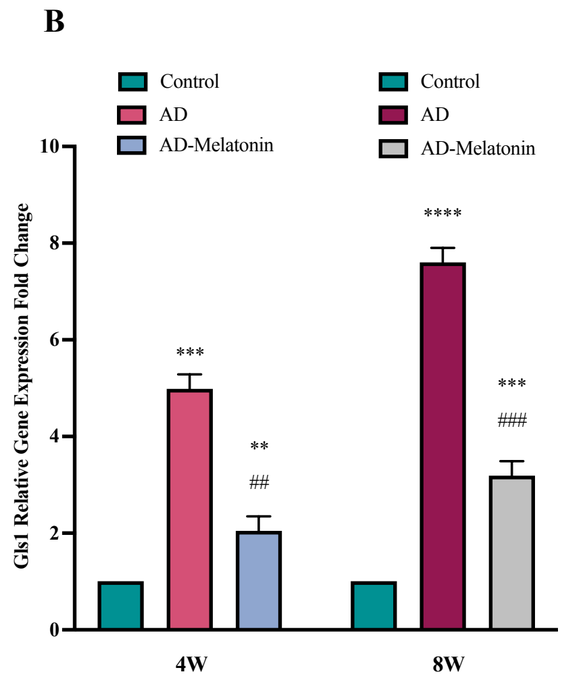

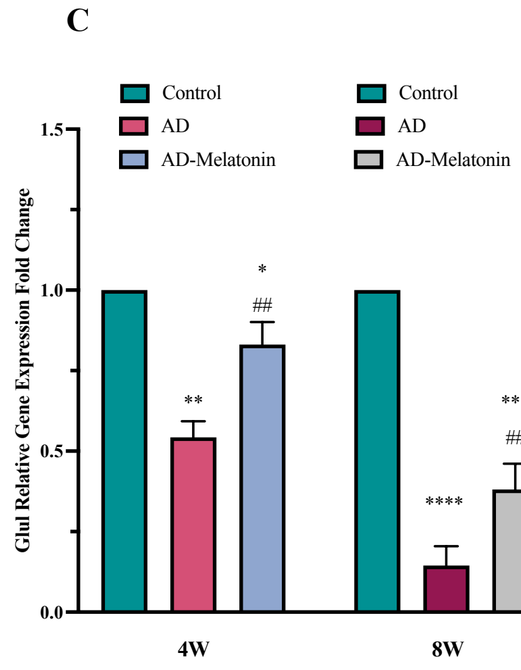

Positive Impact of Melatonin on Pathogenic Changes in Gls1 and Glul Gene Expression in the AD-like Model. (A) Heat map created from qPCR data reflecting gene expression in the model with 4 weeks of AD-like disorder (AD 4W), and under melatonin treatment starting from the second week post-induction (AD 4W Melatonin), the model with 8 weeks of AD-like disorder (AD 8W), and under melatonin treatment starting from the fourth week post-induction (AD 8W Melatonin). (B) Level changes in Gls1 gene expression and (C) Glul gene expression 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.