

Supplementary Data

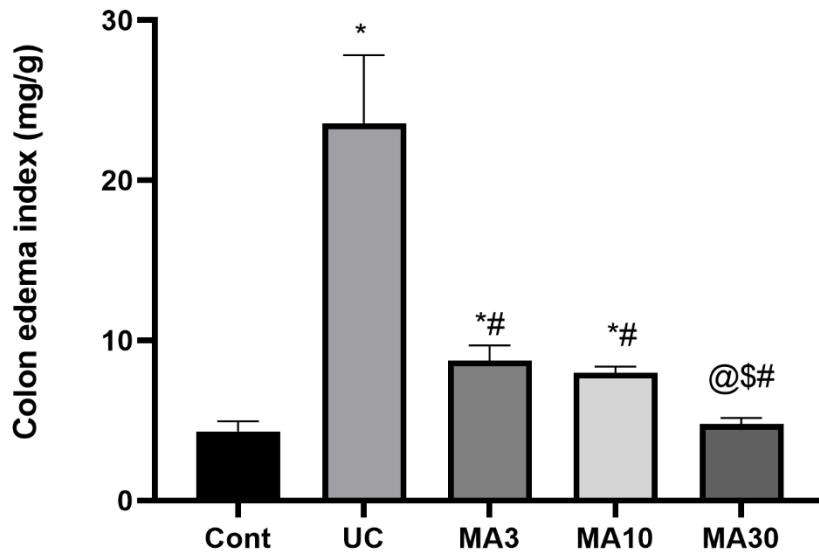


Figure 1S: Effect of MA3, MA10 and MA30 on colon edema index in rats with IAA-induced UC. Data are presented as mean \pm SD (n = 6). Statistical analysis was carried out using one-way ANOVA followed by Tukey's *posthoc* test; $P < 0.05$. As compared to (*) CONT, (#) UC, (@) MA3 and (\$) MA10 groups. CONT: control; MA: mirabegron and UC: ulcerative colitis.

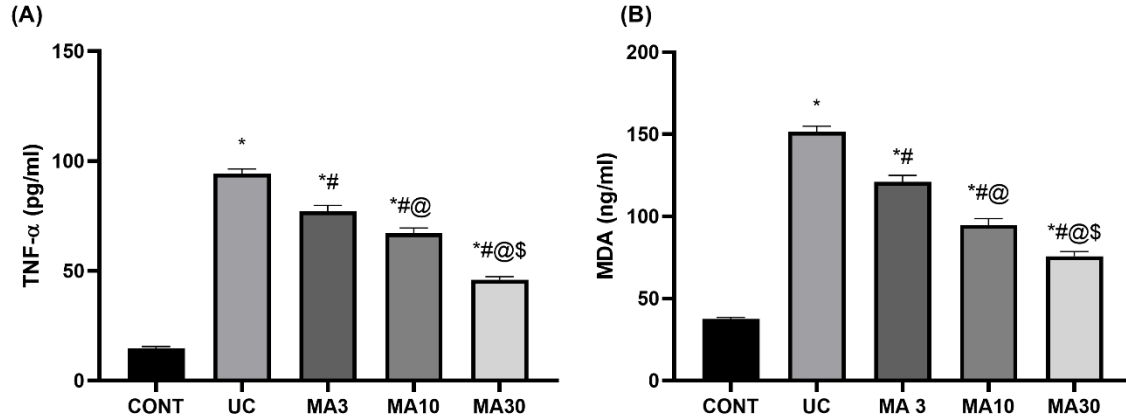
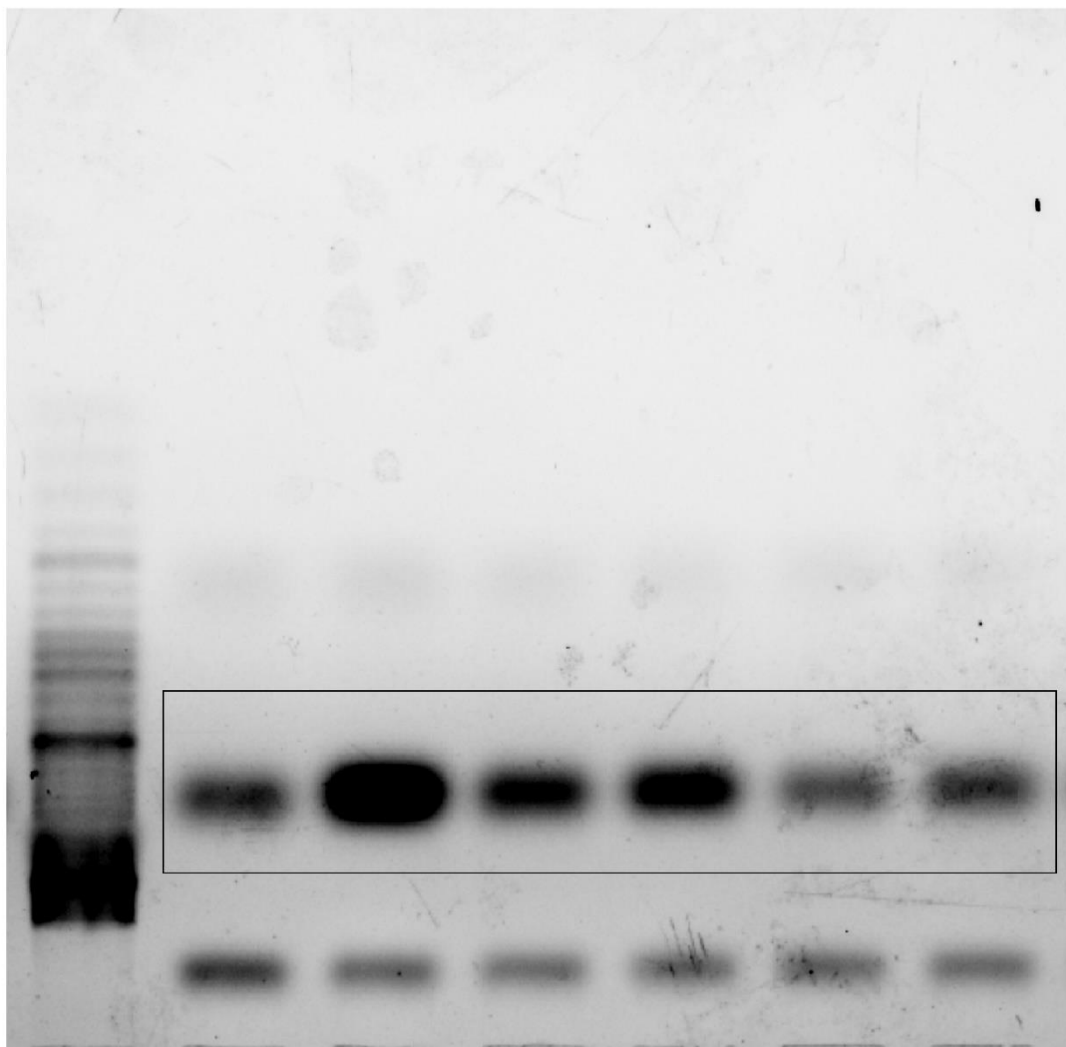


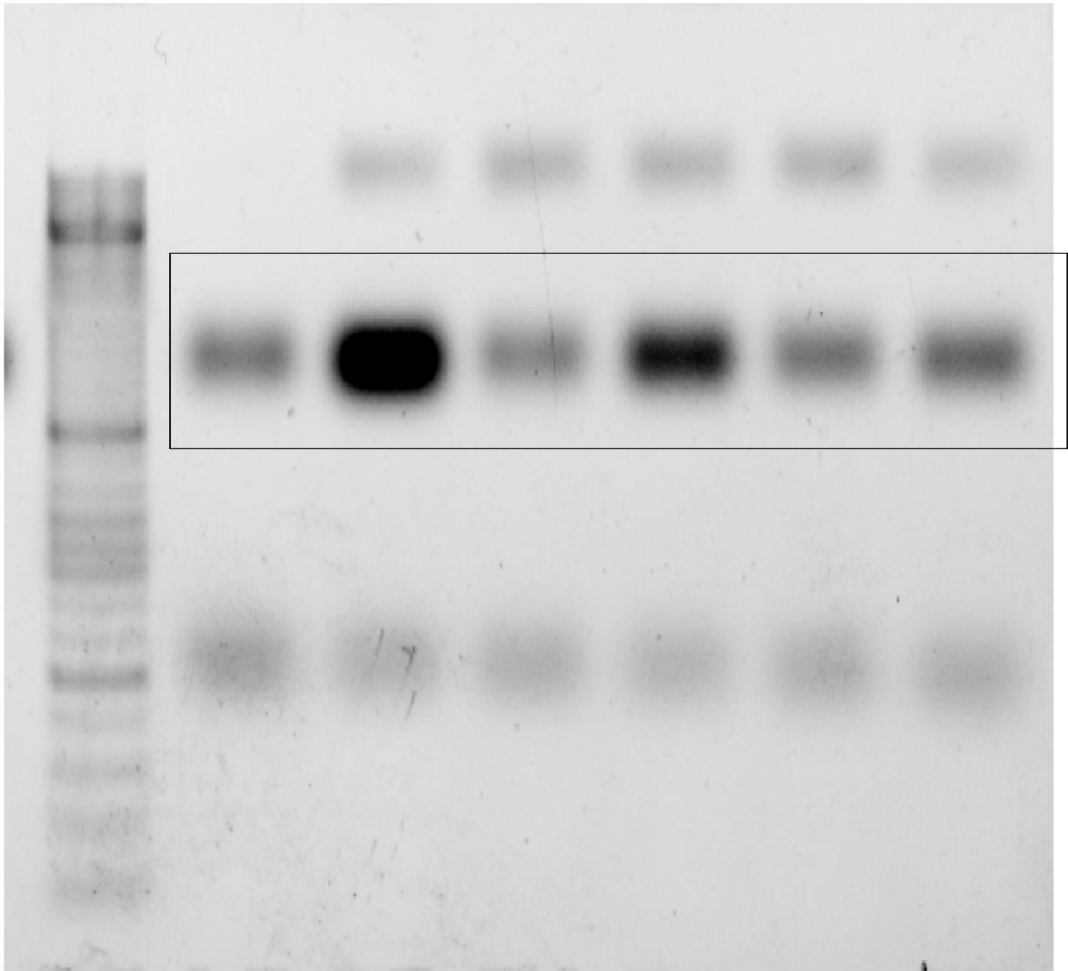
Figure 2S: Effect of MA3, MA10, and MA30 on the colon protein content of (A) TNF- α and (B) MDA in rats with IAA-induced UC. Data are presented as mean \pm SD (n = 6). Statistical analysis was carried out using one-way ANOVA followed by Tukey's *post-hoc* test; P < 0.05. As compared to (*) CONT, (#) UC, (@) MA3, and (\$) MA10 groups. CONT: control; MA: mirabegron; MDA: malondialdehyde; TNF- α : tumor necrosis factor-alpha; UC: ulcerative colitis.

Western uncropped photos

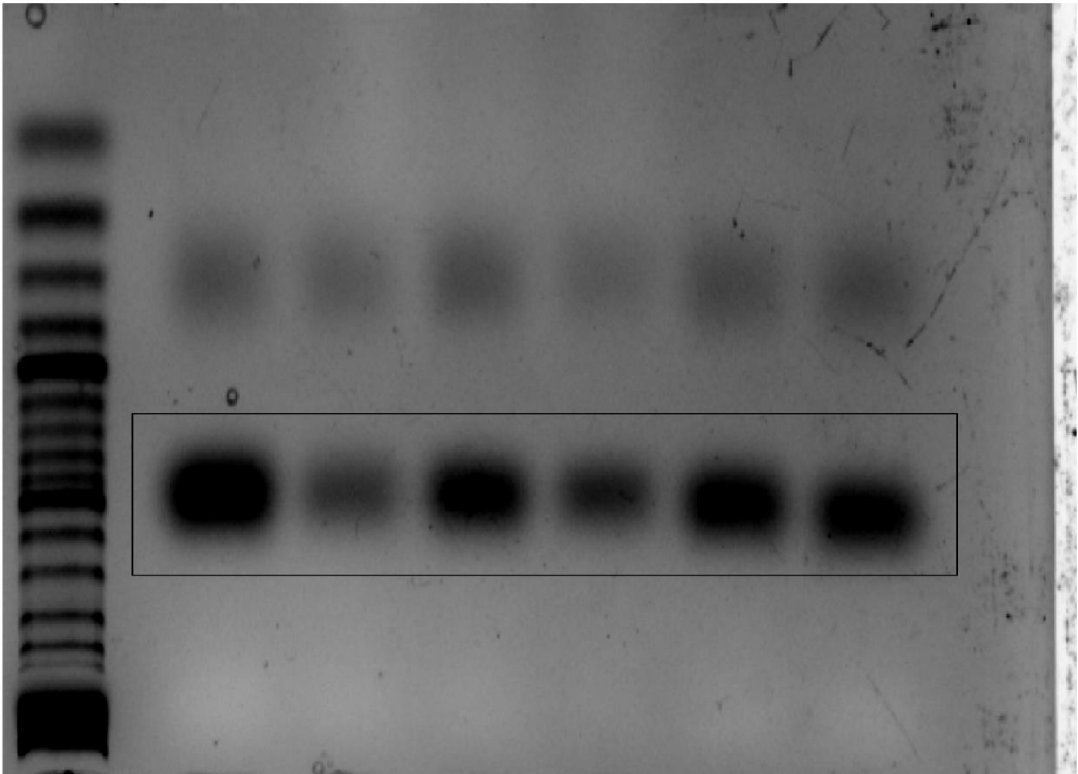
BACE-1



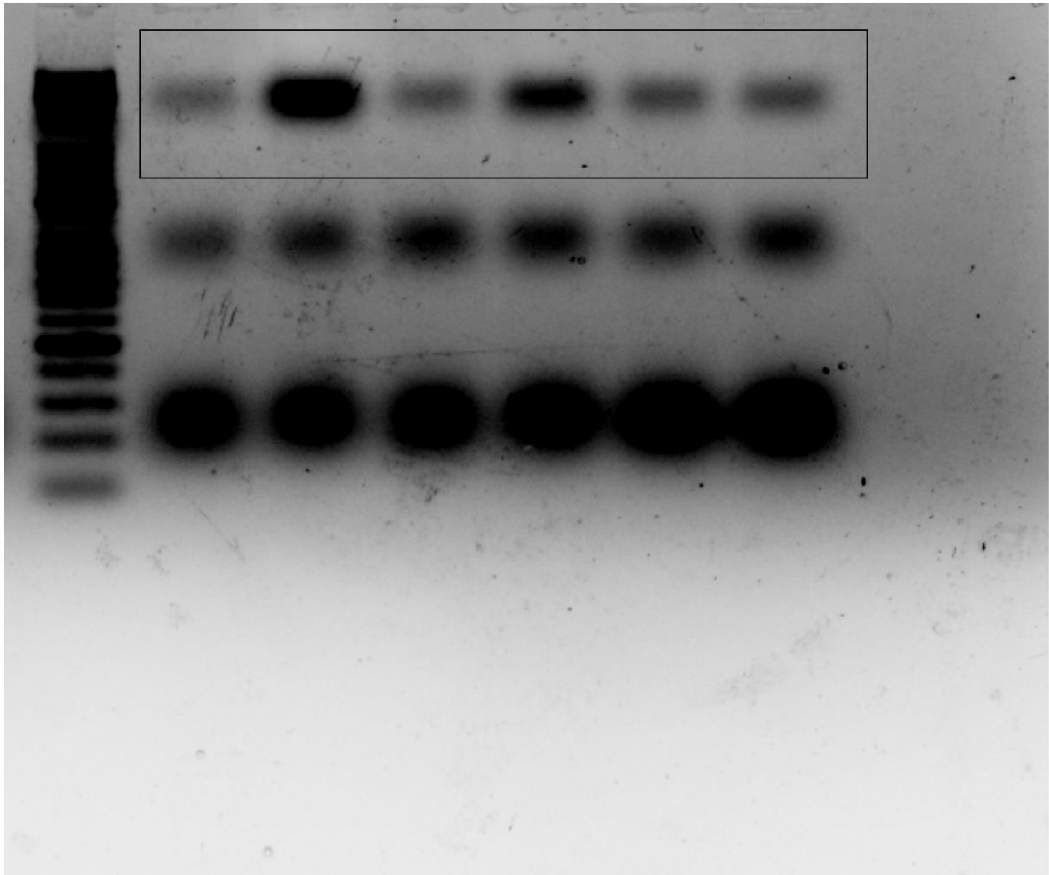
pY654-β-Catenin



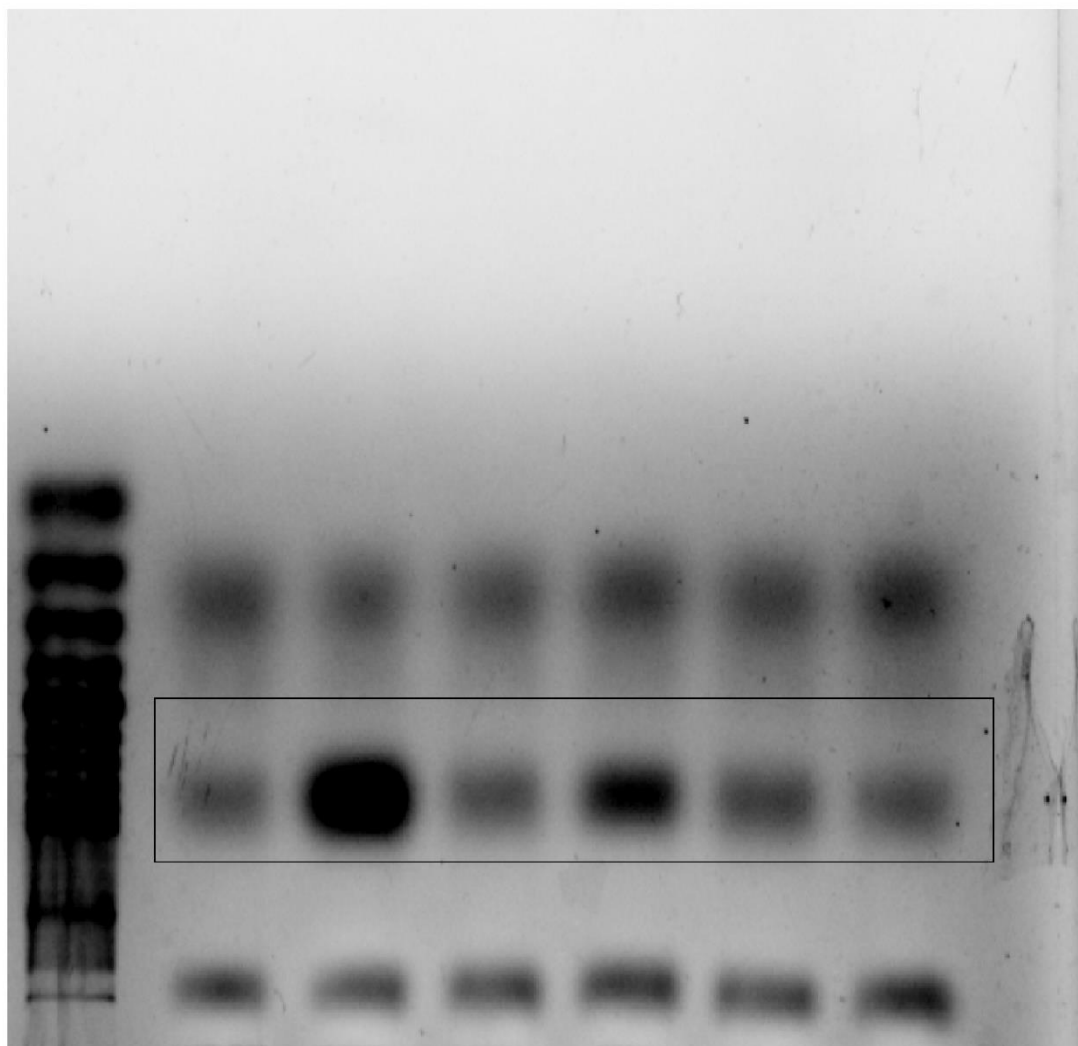
pS9-GSK3-β



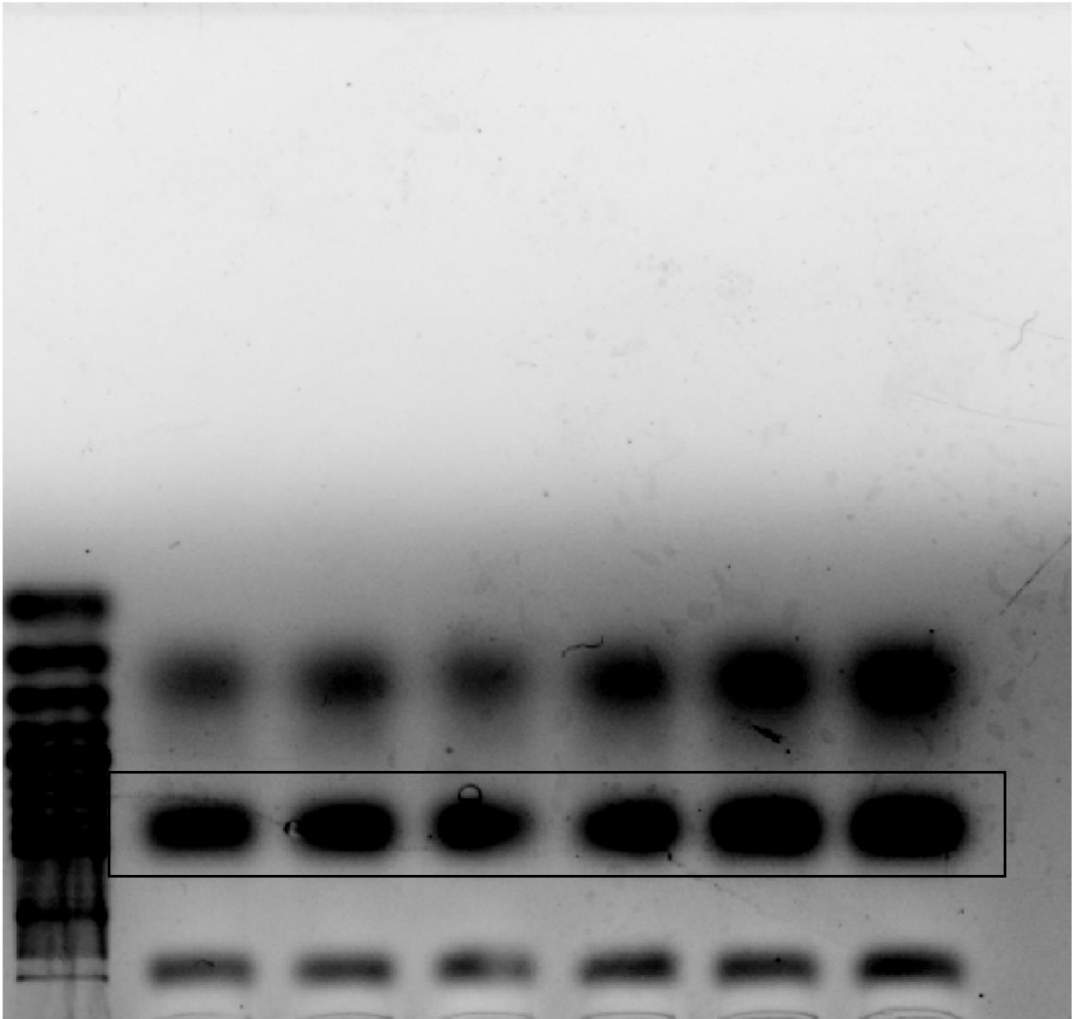
NICD



***p*S353-Presenilin**



Total presenilin



β -Actin

