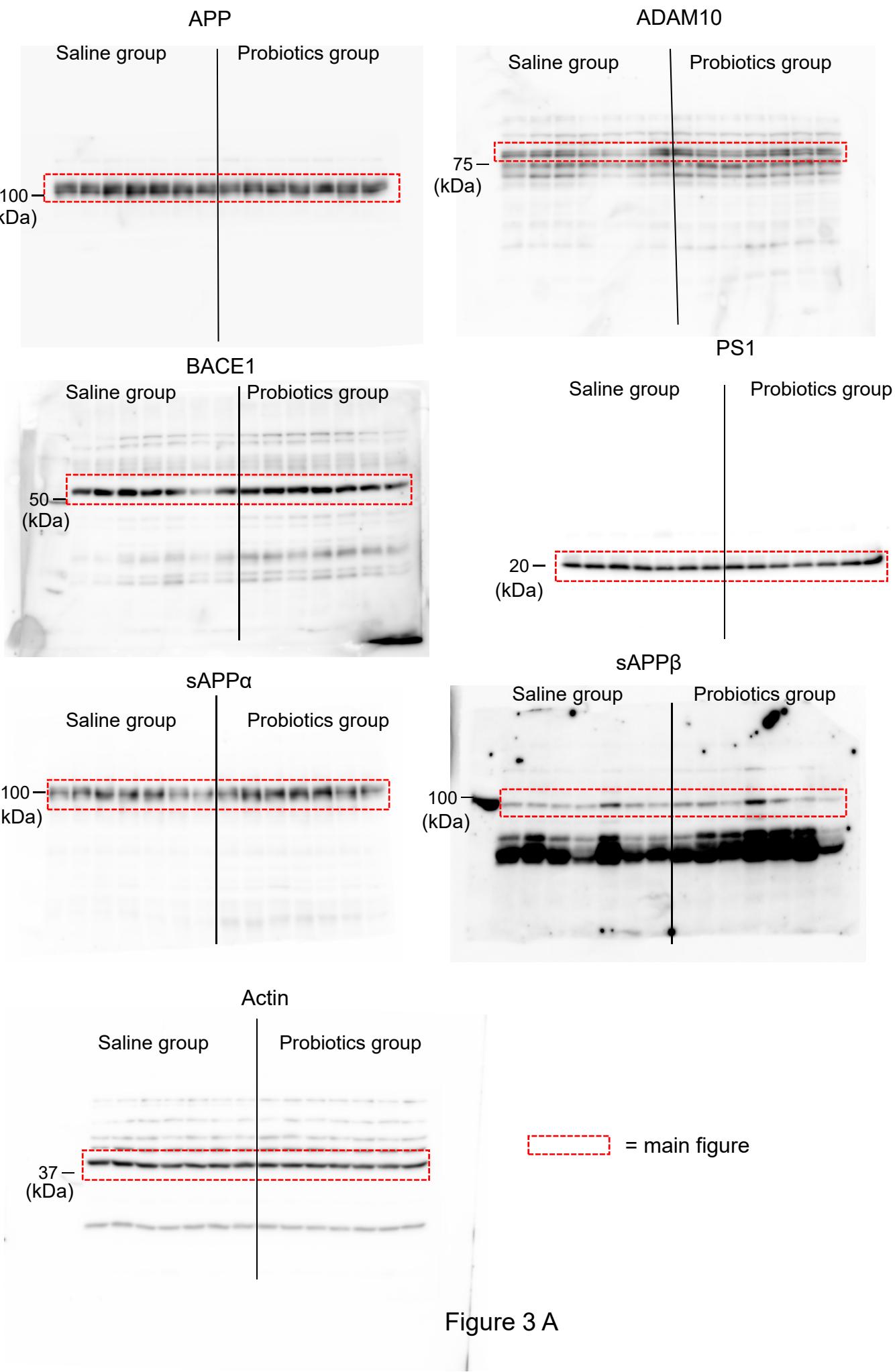


Supplementary Figure S1: Oral supplementation of *B. breve* MCC1274 does not affect JNK, P53, and mTOR protein levels in both the hippocampus and cortex of WT mice. Western blot analysis of phosphorylated (p-) JNK, total (t-) JNK, p-p53, t-p53, p-mTOR, t-mTOR, and actin in the hippocampus (A) and cortex (B). The protein levels were quantified by densitometry, normalized to the actin level, and expressed as a relative protein level. Data are represented as mean \pm SD, n = 7 per group, n.s. no significant difference compared with the saline group, as determined by Student's *t*-test.



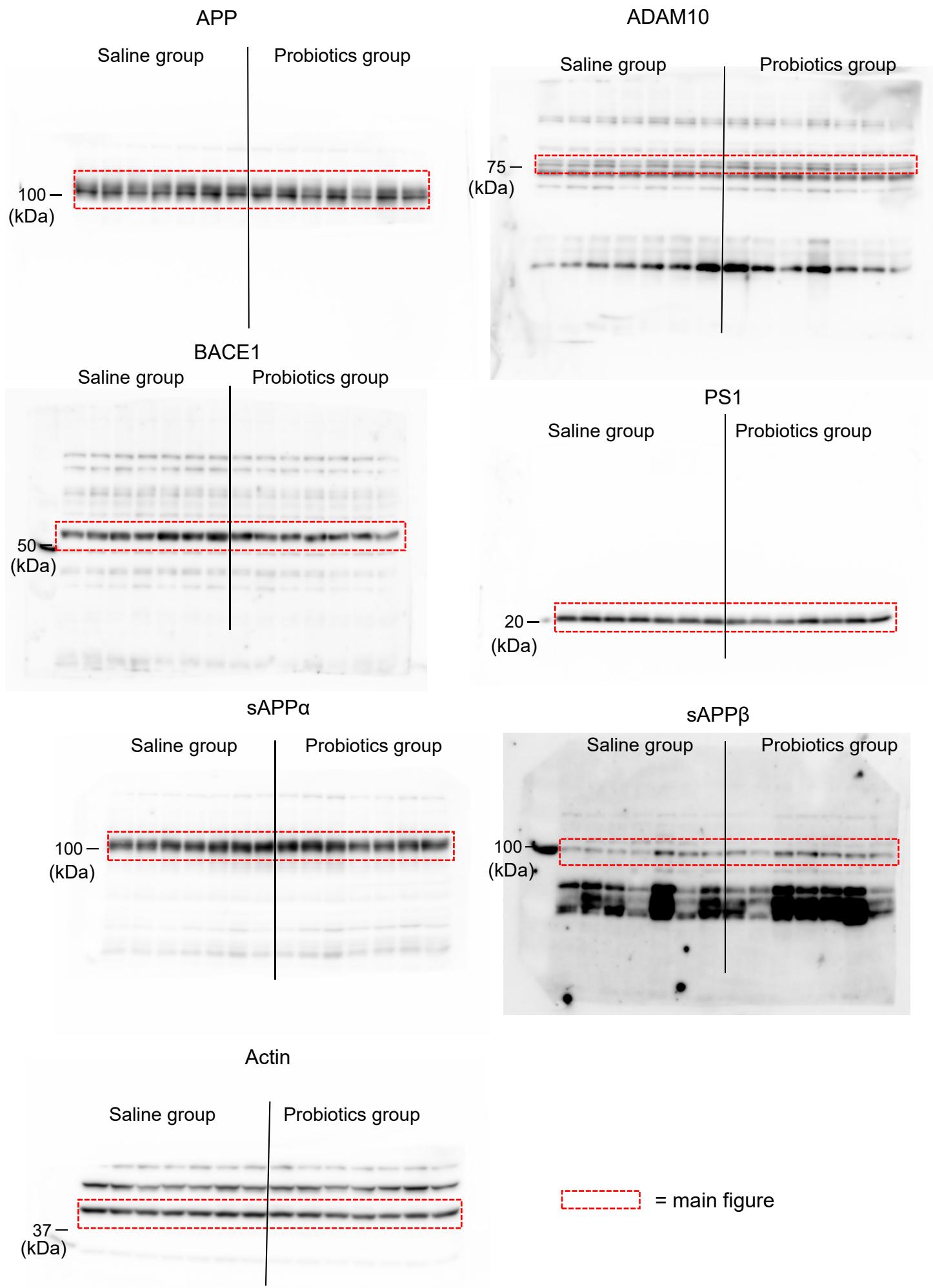


Figure 3 B

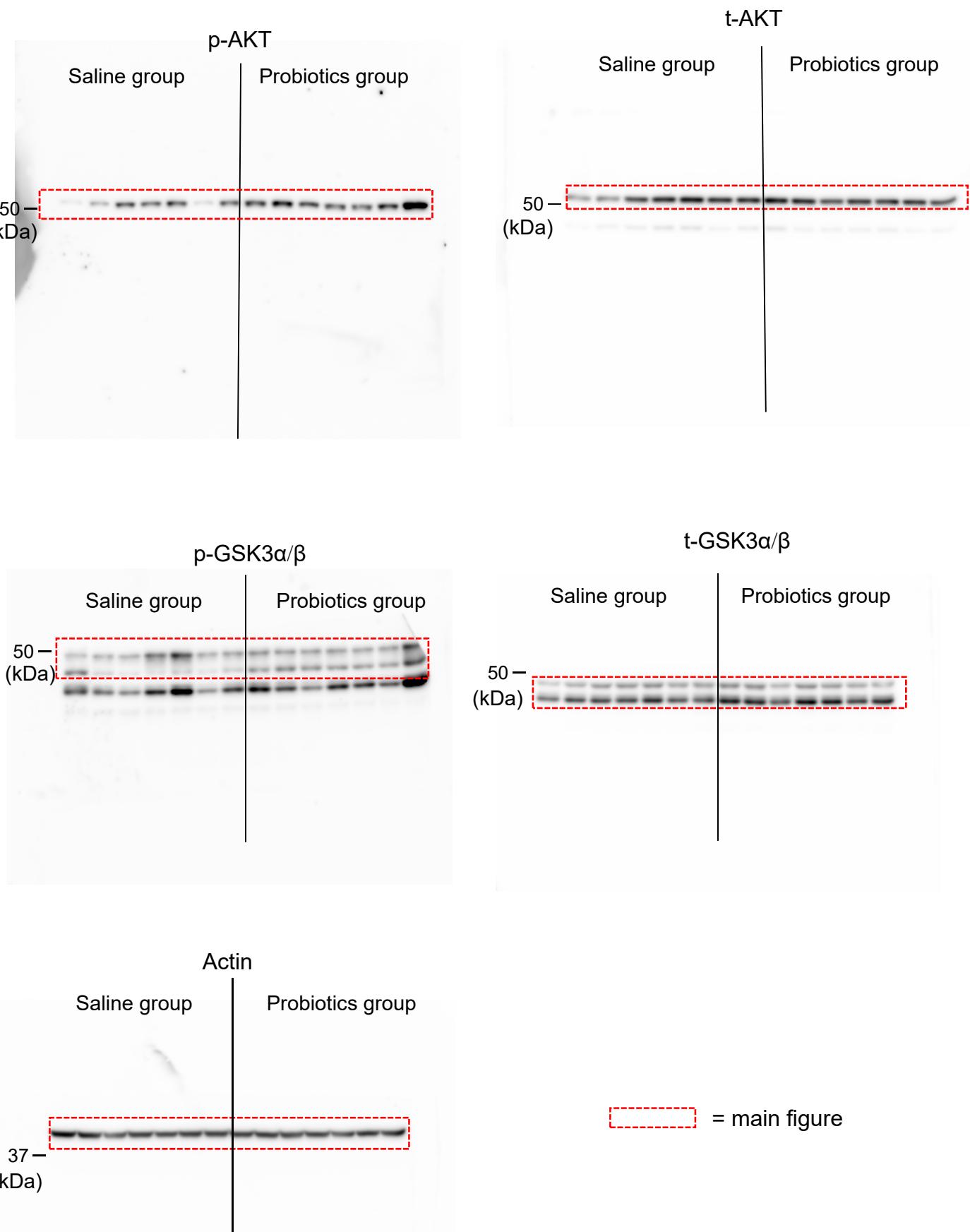


Figure 4 A

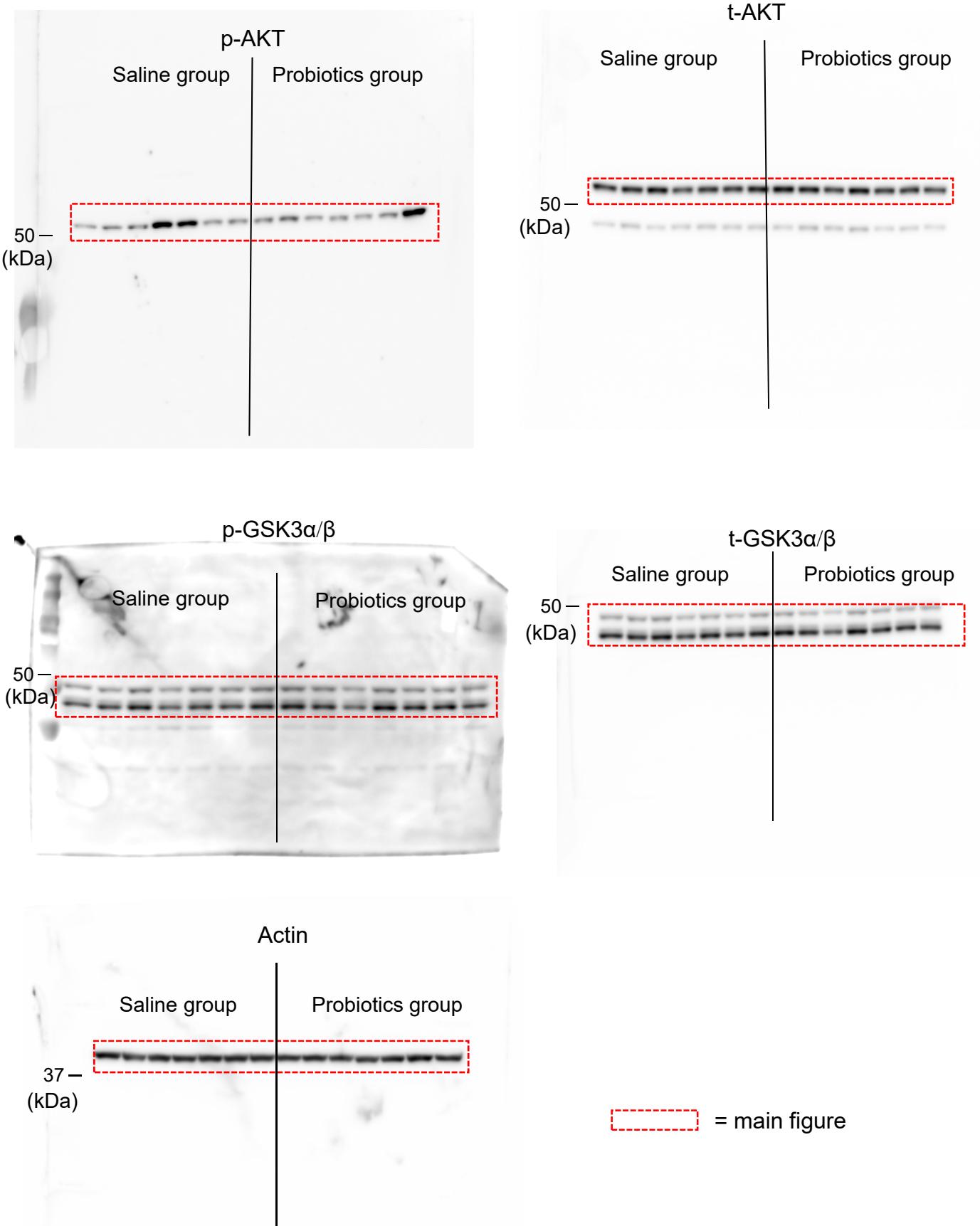
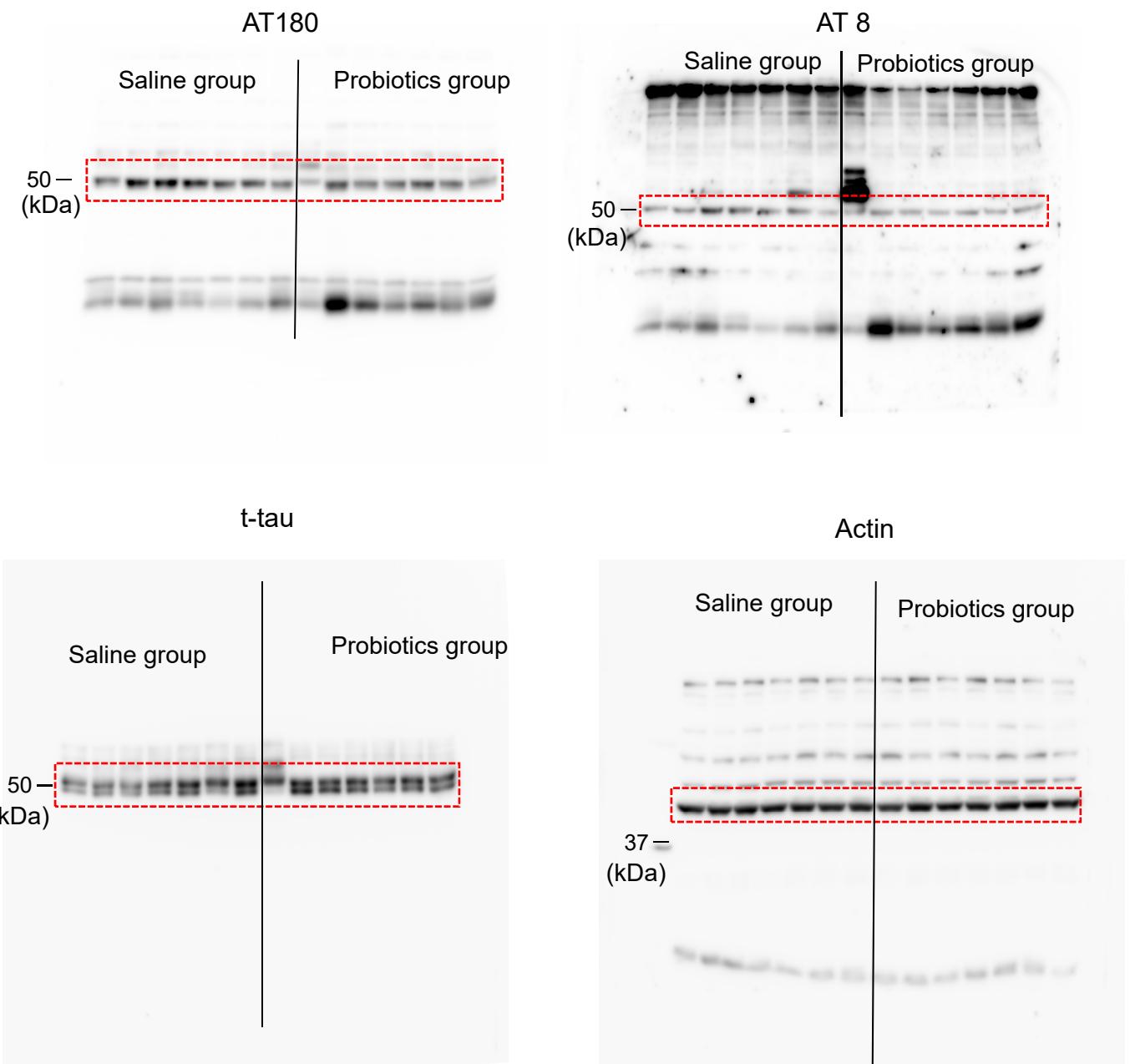


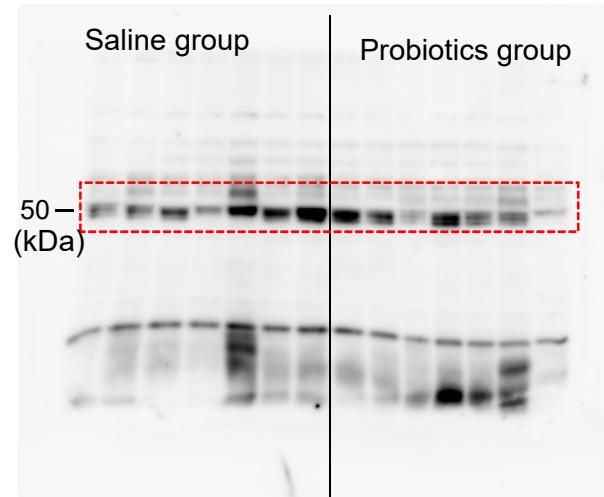
Figure 4 B



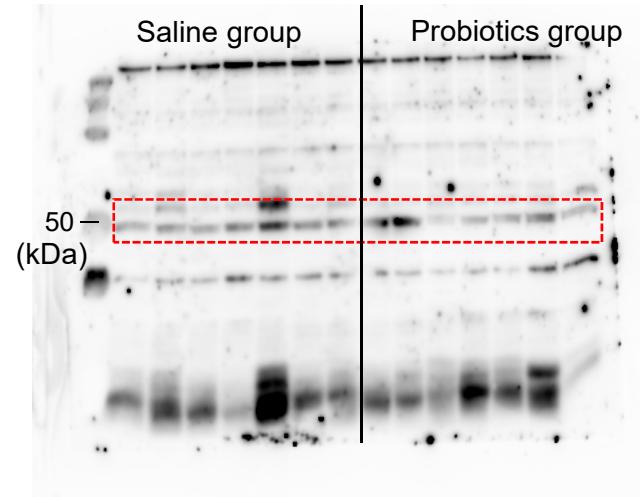
□ = main figure

Figure 5 A

AT180

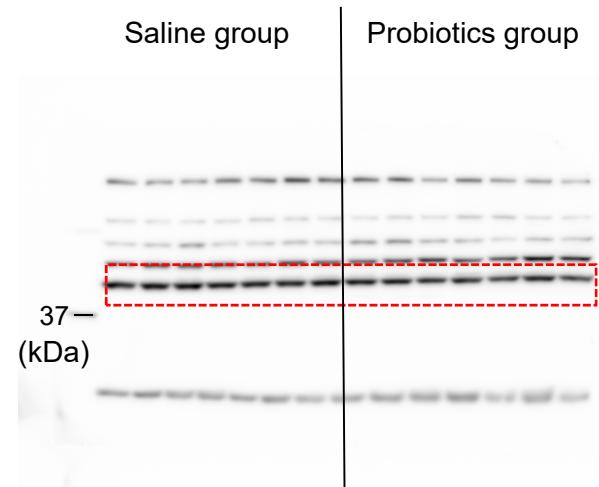
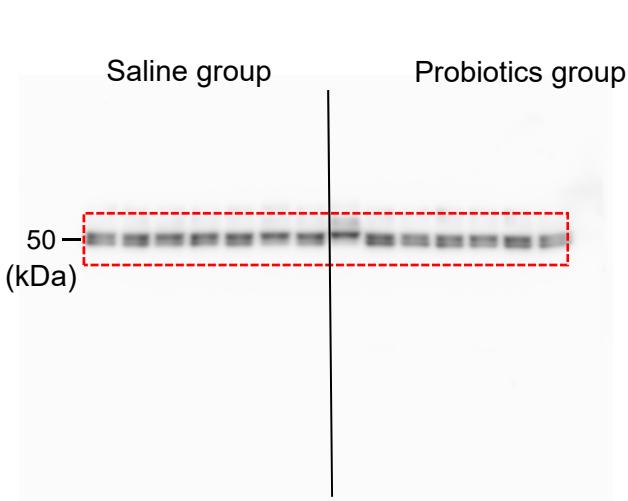


AT8



t-tau

Actin



□ = main figure

Figure 5 B

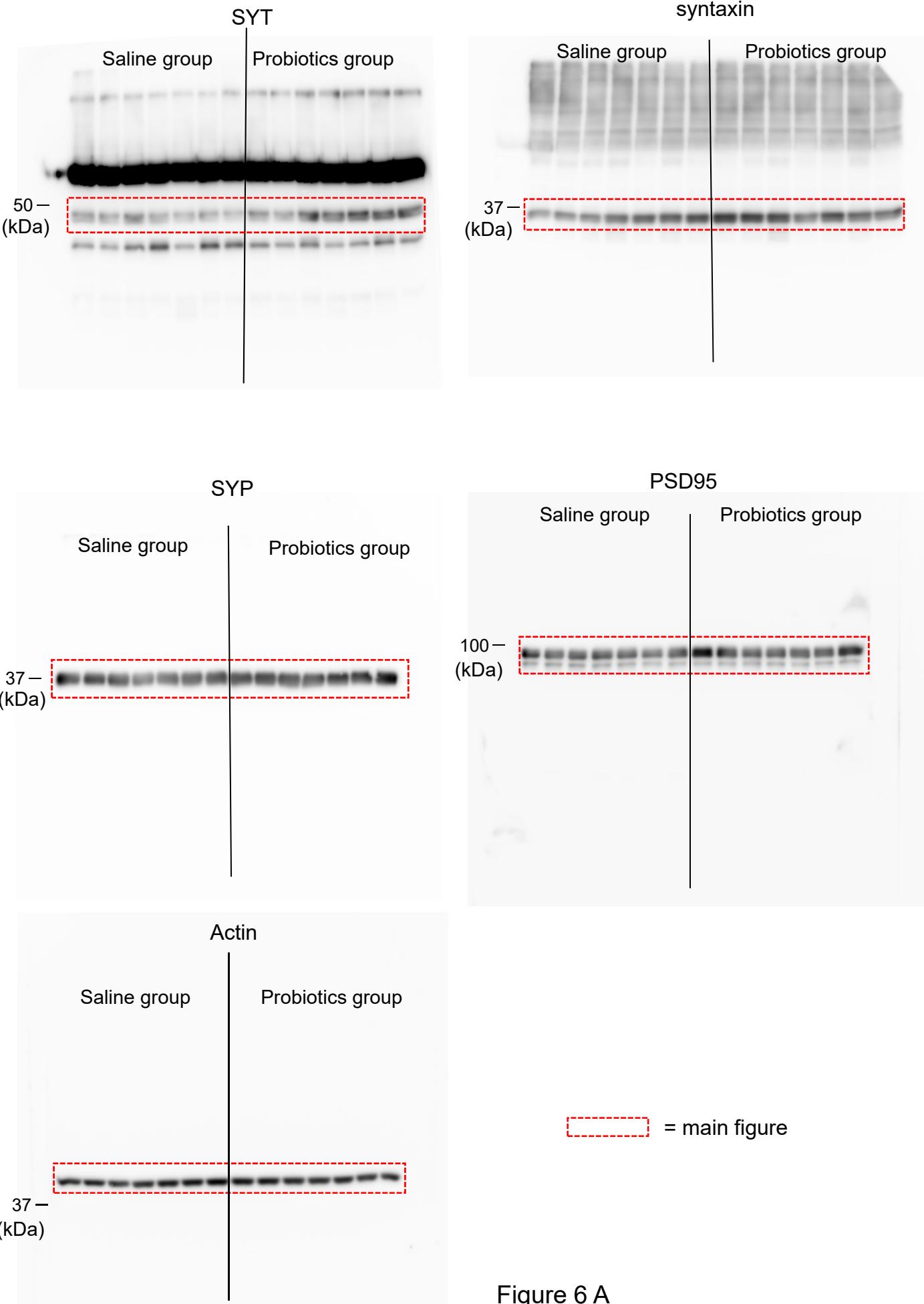


Figure 6 A

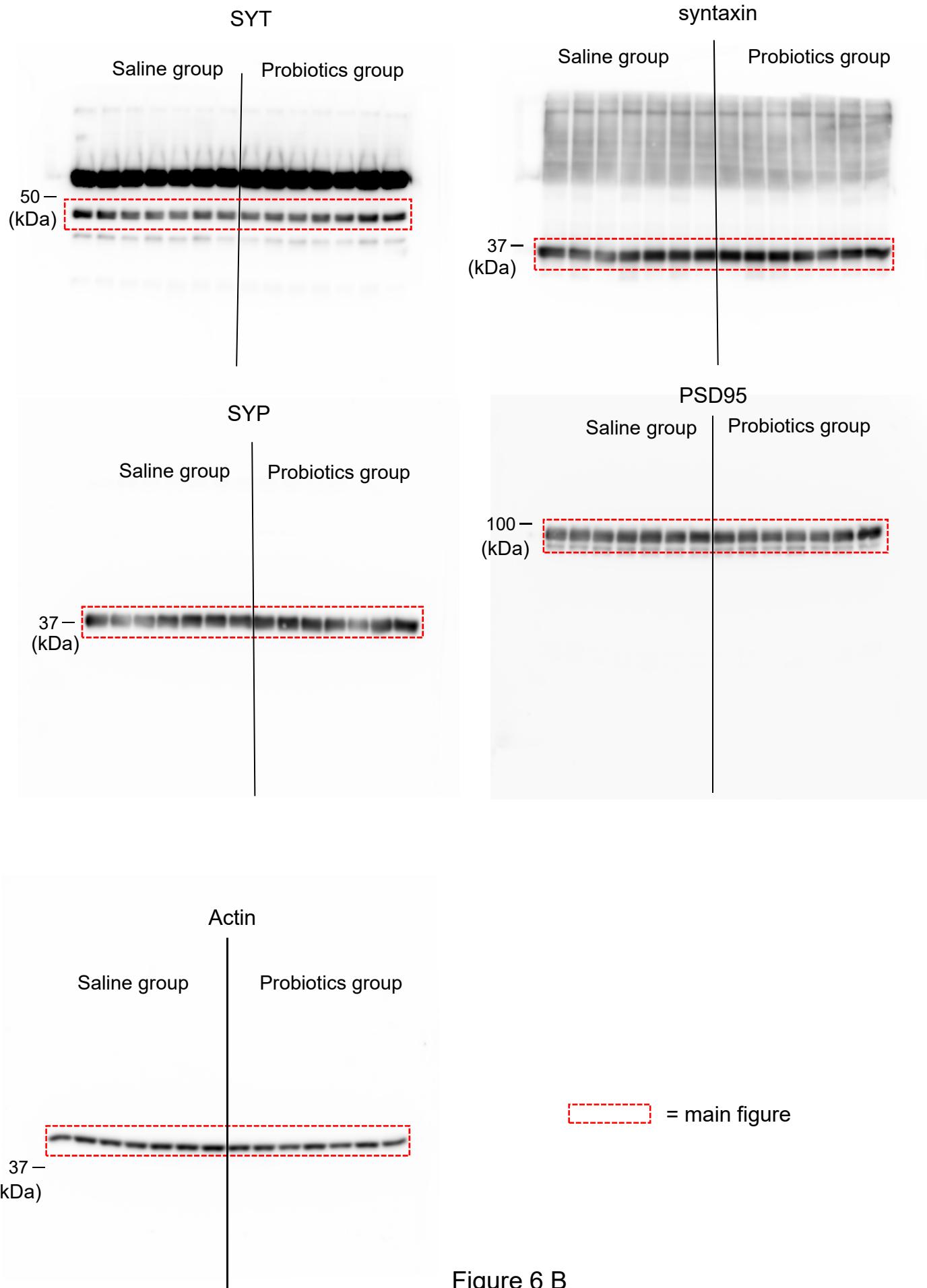


Figure 6 B

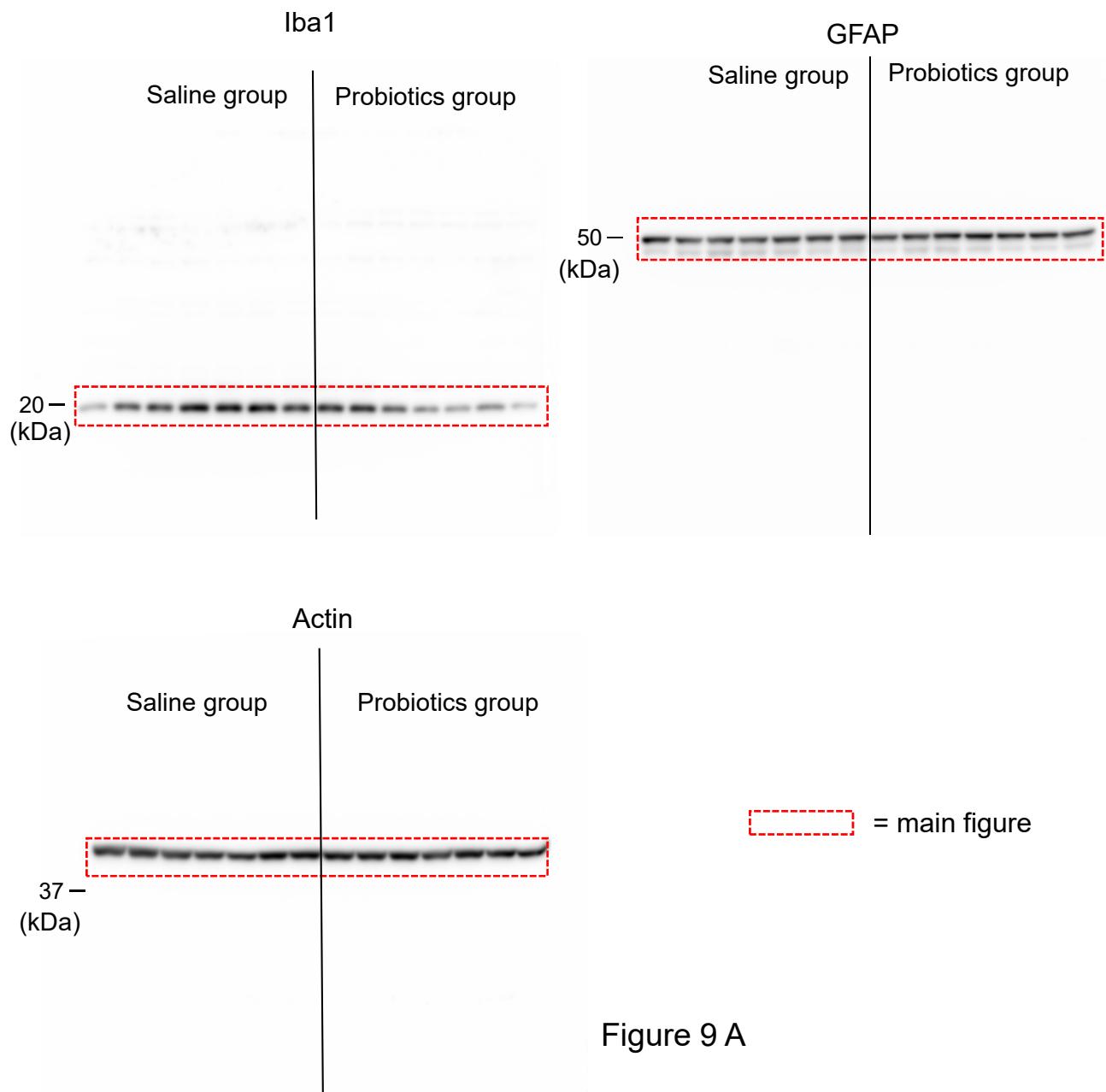


Figure 9 A

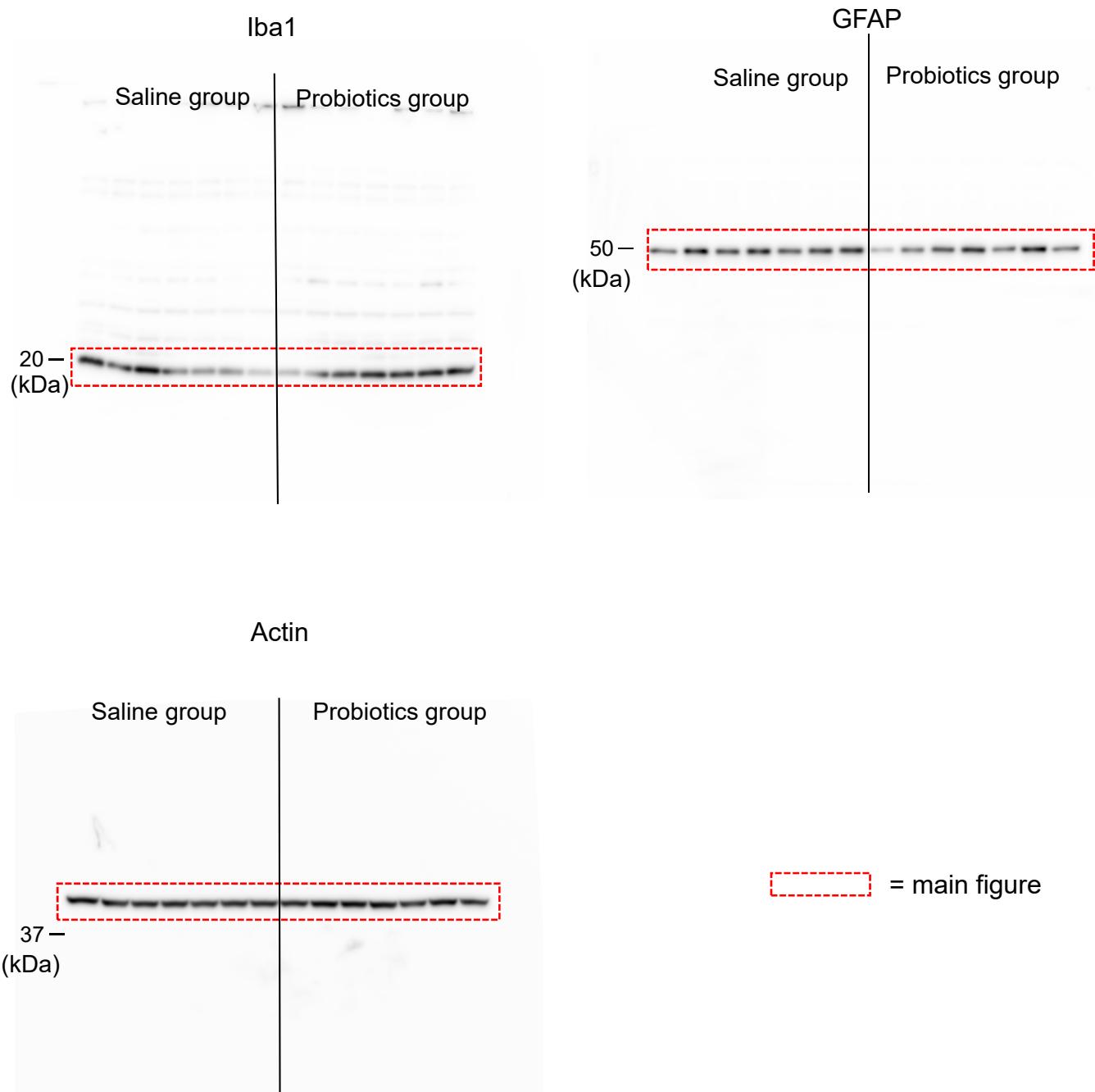
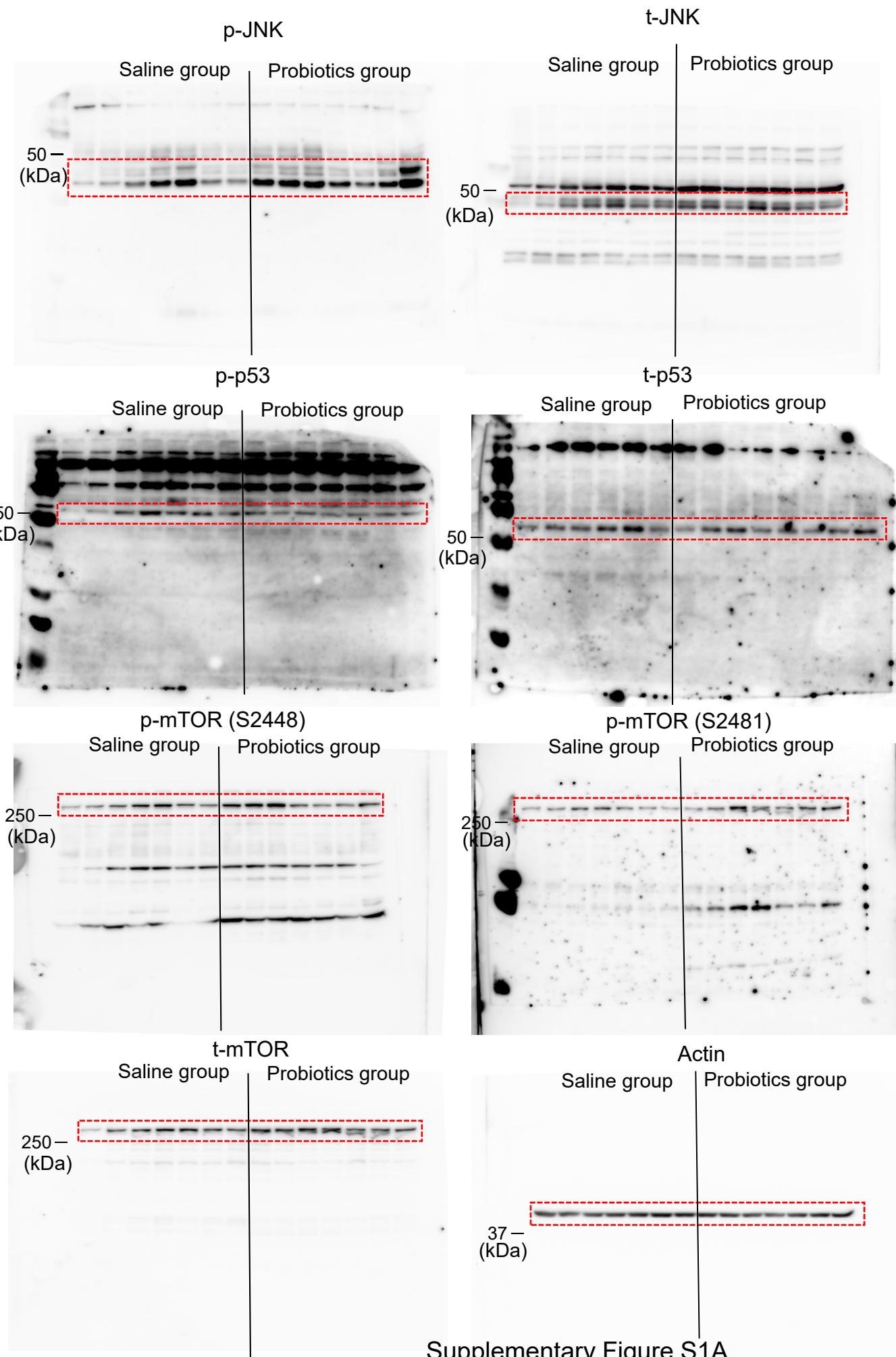
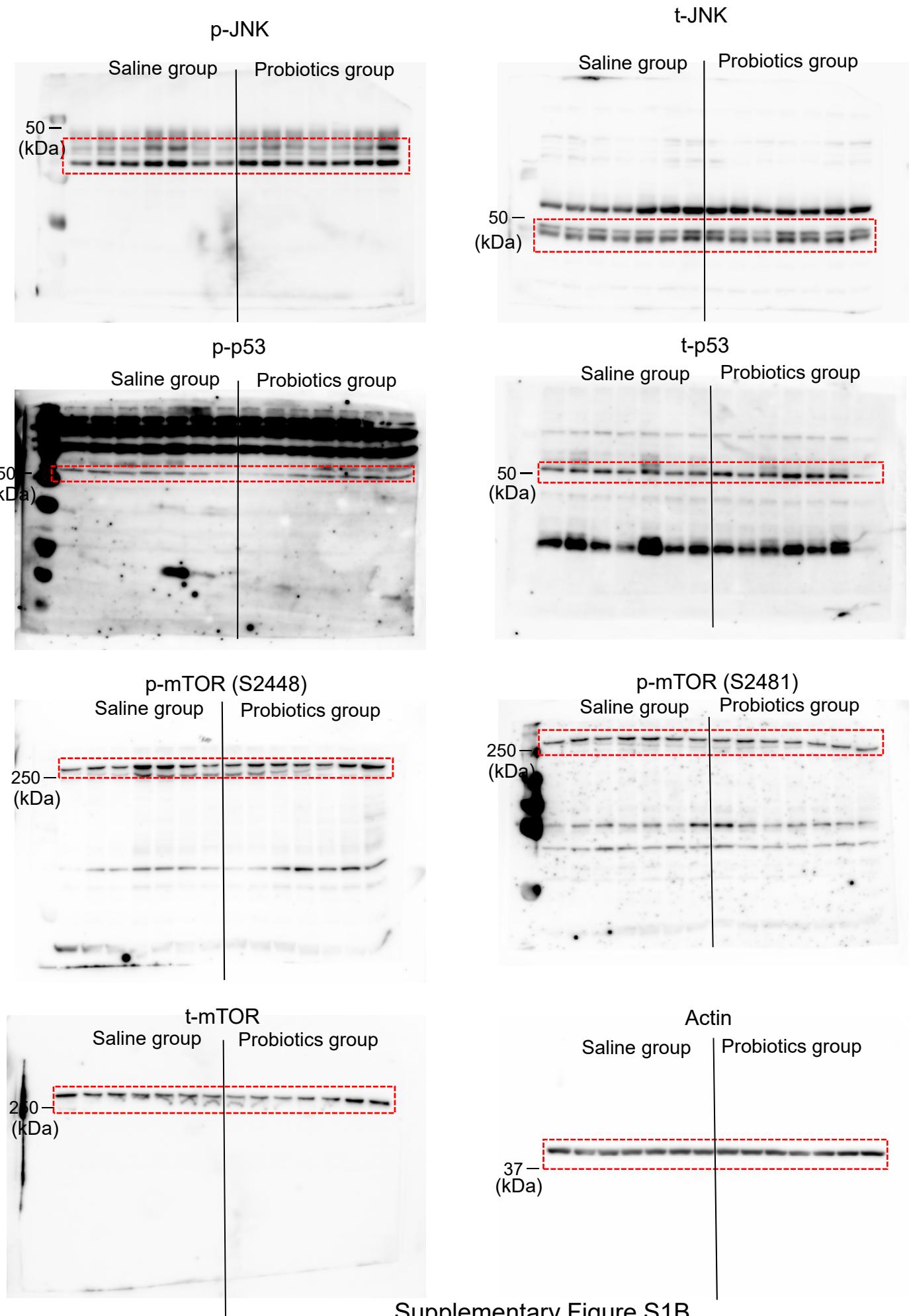


Figure 9 B



Supplementary Figure S1A



Supplementary Figure S1B