

Supplementary figure

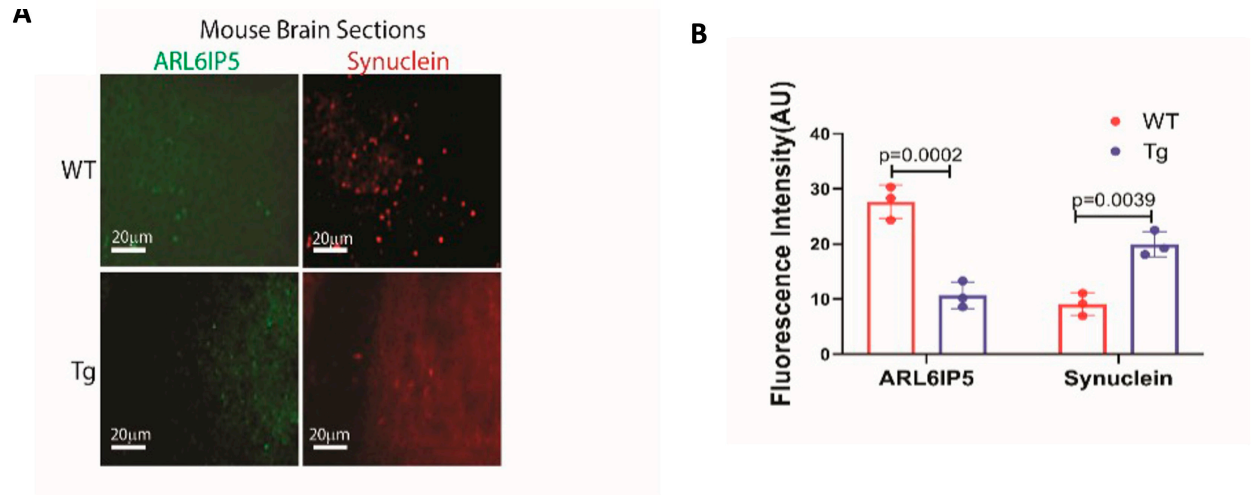


Figure S1. ARL6IP5 was downregulated in Tg-Parkinson's mice (A) Representative immunohistochemistry image showing the fluorescence intensity of ARL6IP5 (green) and synuclein (red) in wild type and Tg mouse brain section. (B) Graph showing the quantitative analysis of the fluorescence intensity measures in the immunohistochemistry. Results from three independent experiments are presented. *p*-value was calculated using one-way ANOVA with post hoc Tukey test.

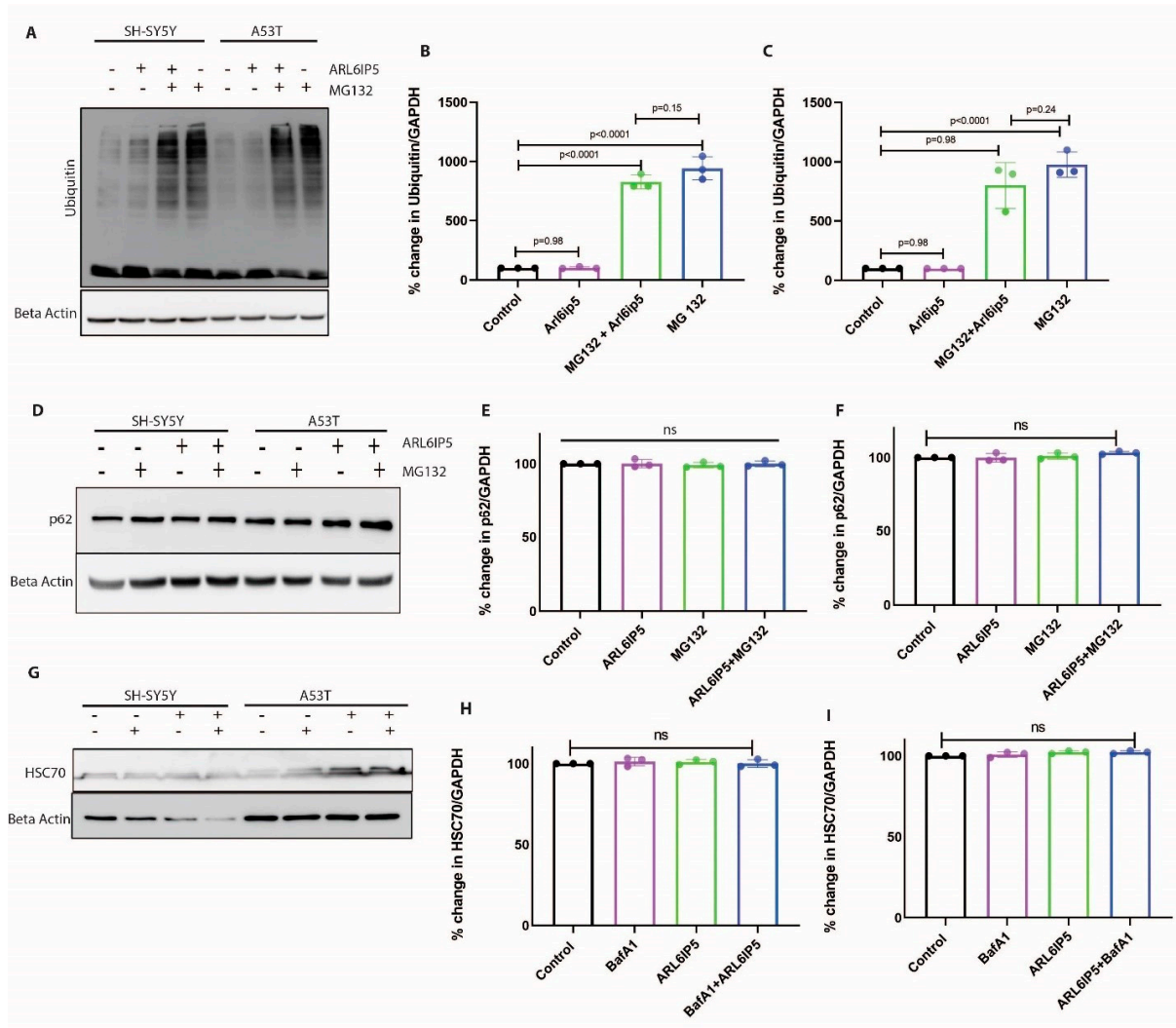


Figure S2. ARL6IP5 does not alter ubiquitination, p62, and HSC70: (A) Representative blot showing the level of ubiquitination in SH-SY5Y cells and cells expressing A53T α -synuclein (B) Densitometric analysis of change in ubiquitination in SH-SY5Y cells. (C) Densitometric analysis of change in ubiquitination in SH-SY5Y cells expressing A53T α -synuclein. (D) Representative blot showing the level of p62 in SH-SY5Y cells and SH-SY5Y cells expressing A53T α -synuclein. (E) Densitometric analysis of change in p62 in SH-SY5Y cells. (F) Densitometric analysis of change in p62 in SH-SY5Y cells expressing A53T α -synuclein. (G) Representative blot showing the level of HSC70 in SH-SY5Y cells and expressing A53T α -synuclein (H) Densitometric analysis of change in HSC70 in SH-SY5Y cells. (I) Densitometric analysis of HSC70 in SH-SY5Y cells expressing A53T α -synuclein. Results from three independent experiments are presented. p -value was calculated using one-way ANOVA with post hoc Tukey test.