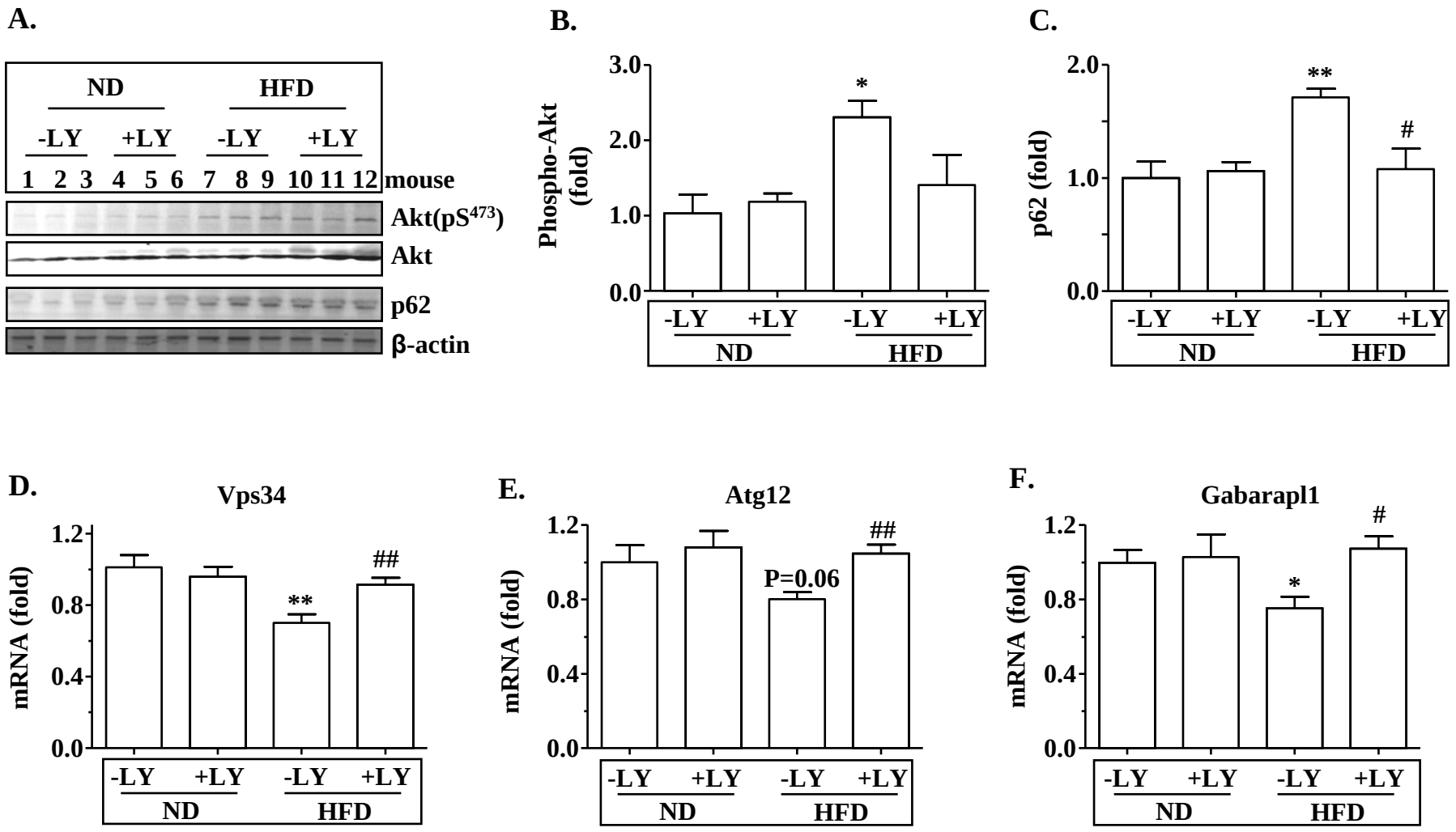
Sup. Fig. 1, Liu et al.



Sup. Fig. 1. Insulin may be responsible for the suppressed autophagy induced by the HFD in mice. B6 mice were fed with either ND (n = 12) or HFD (n = 12) for 4 weeks. During the last week, six mice of each group were administrated LY(I.P., once a day, 10 mg/kg body weight, × 7 days) during the day time. Levels of Akt (total and phospho-), p62 and β-actin were measure with immunoblotting and quantified (n = 6 each group)(*A-C*). Transcripts of Vps34, Atg12, and Gabarap11 genes were determined by using Real-Time PCR and normalized to the level of 36B4 transcript (*C-F*). Results presented in bar graphs represent mean ± SEM. *$p < 0.05$ and **$p < 0.01$ HFD only vs. ND only. $^{\#}p < 0.05$ and $^{\#\#}p < 0.01$ HFD + LY group vs. HFD only group. ND, normal chow diet; HFD, high fat diet; LY: LY294002.