

**Figure S6.** SH3GLB1 phosphomutants modulate the abundance of regulators of RAB5 activity. Ten days after the transfection procedure, TA muscles from untransfected legs (WT), or legs transfected with either T145A (T145A), or T145E (T145E) were homogenized. Then, equal amounts of protein were subjected to western blot. (**A**) Displayed is a representative blot showing the relative amounts of RAB5, mCherry (transfection control), RABGEF1, USP6NL, and GAPDH (loading control). (**B-D**) Quantitative analyses of the relative band intensities for RAB5 (**B**), RABGEF1 (**C**), and USP6NL (**D**). All values were normalized to their corresponding internal GAPDH loading controls. Shown are mean ± S.E.M. of values obtained from 3 independent experiments. Statistical significance was probed using ANOVA, \* P < 0.05. [Change labels to “WT”, “RABGEF1” and “mCherry”.]