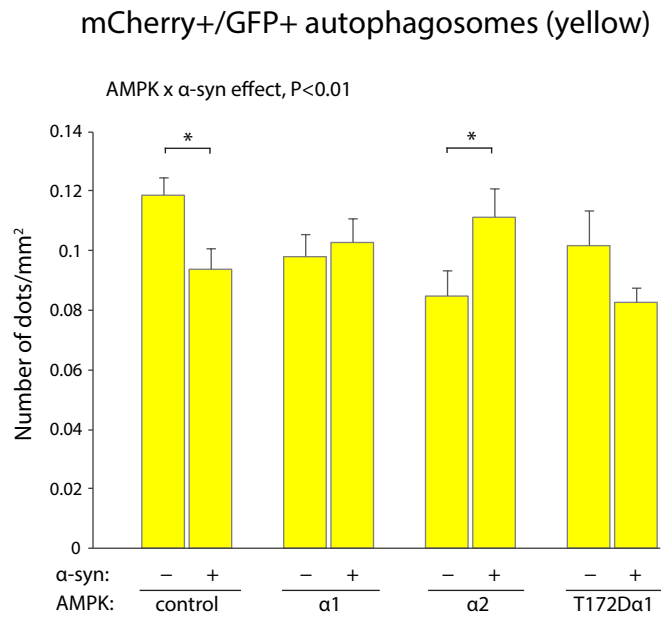


**Figure S5**



**Fig S5. Number of mCherry+/GFP+ autophagosomes in primary cortical neurons overexpressing AMPK $\alpha$  and/or  $\alpha$ -syn**

Quantification of the average number of EGFP-positive autophagosomes per cell, normalized to cytosol area. Note that in neurons overexpressing  $\alpha$ -syn, the number of autophagosomes remains similar across the different conditions, regardless of AMPK $\alpha$  overexpression.

Values are expressed as mean $\pm$ SEM. *Statistical analysis*: two-way factorial ANOVA with Fisher's LSD post hoc test; for each condition n=22-30 neurons from 3 separately infected wells; \* $P < 0.05$ .