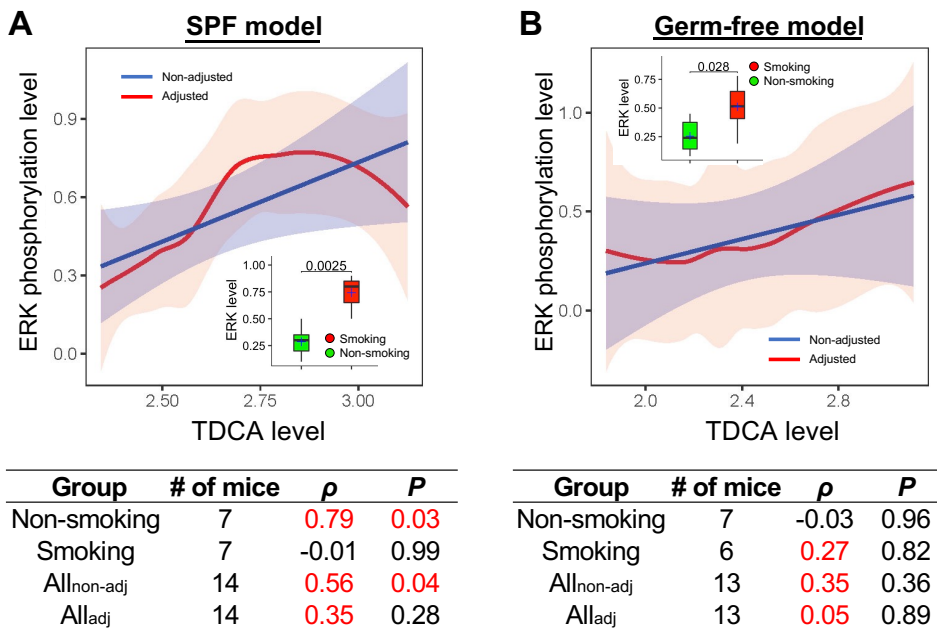


Supplementary Figure 4



Supplementary Figure 4. Correlation analysis between *ERK* phosphorylation and TDCa. The result showed positive correlation between *ERK* phosphorylation level and TDCa level in both SPF mice (AOM plus AOM+smoking group) (A) and germ-free mice (GF-AOM plus GF-AOMS group) (B). Pearson correlation was used to calculate the non-adjusted correlation. Partial's Spearman correlation was used to adjust the correlation by controlling the smoking parameter.