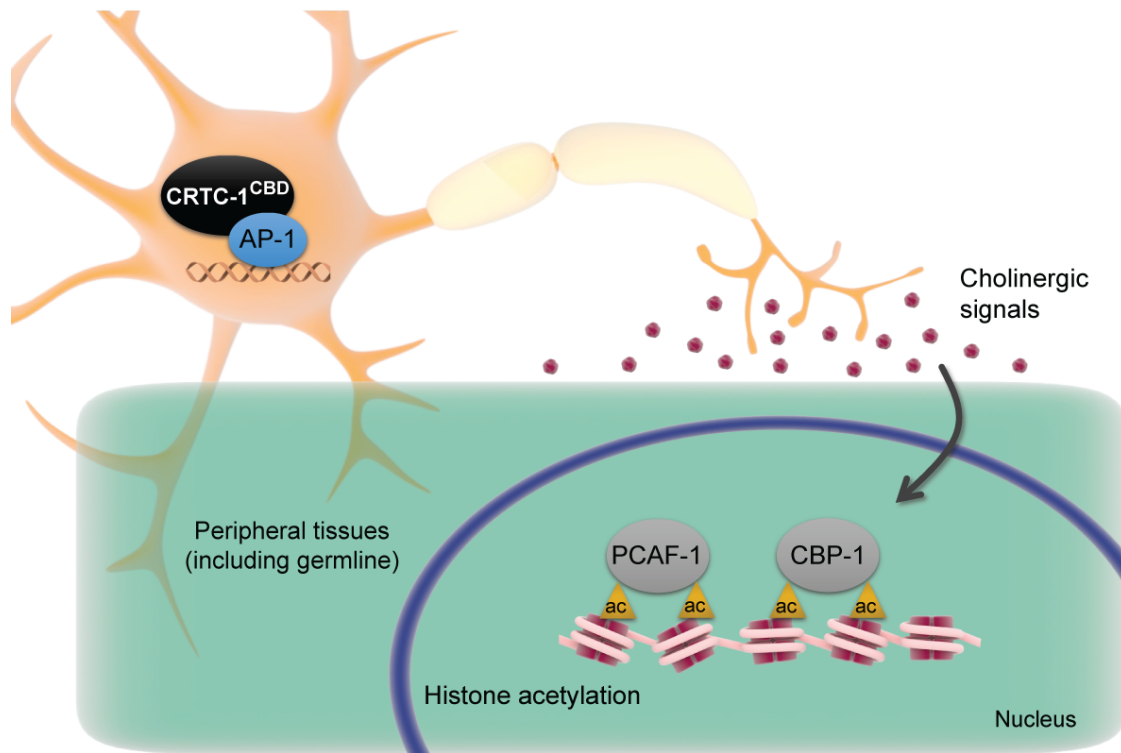


The CRTC-1 transcriptional domain is required for COMPASS complex-mediated longevity in *C. elegans*

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Supplementary Fig. 1. Model depicting CRTC-1 requirement for COMPASS-dependent longevity. Lifespan extension induced by H3K4me3 methyltransferase deficiency requires a specific function (co-transcriptional regulation) of CRTC-1 driven by its CREB-binding domain (CBD), which in turn triggers a neuron-to-periphery cholinergic signal via the transcription factor AP-1. This signal then leads to activation of histone acetylation and gene expression.