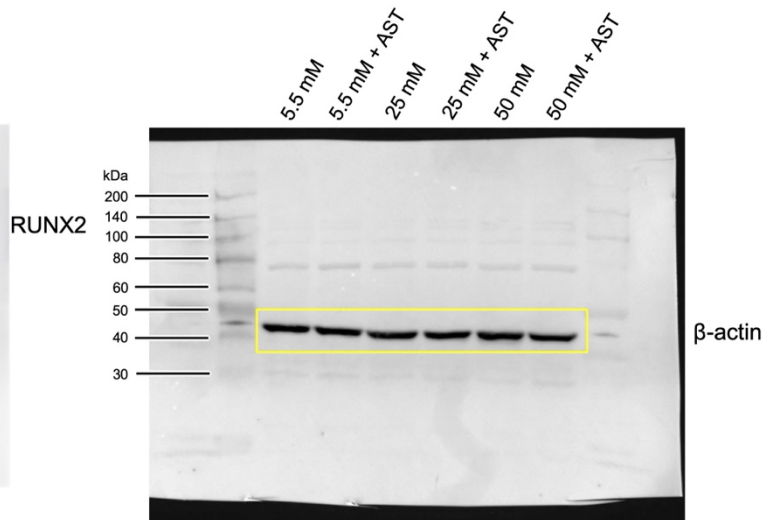
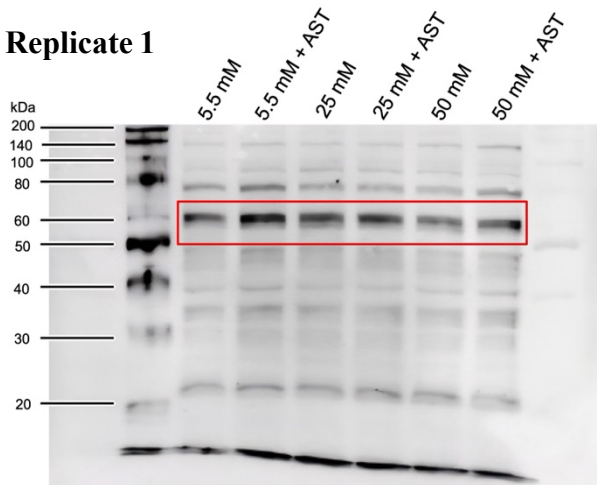
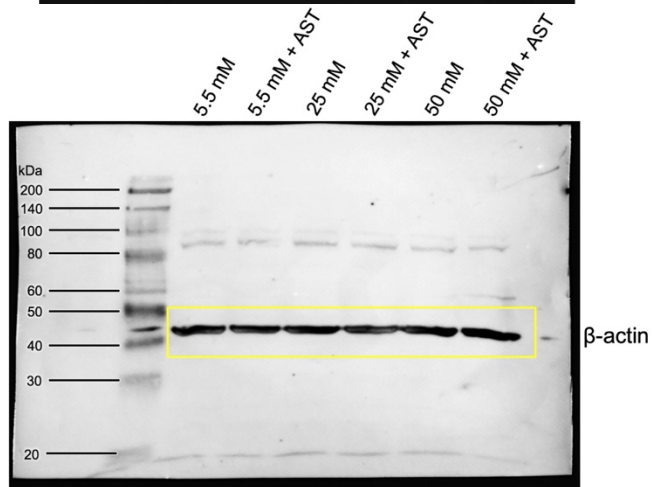
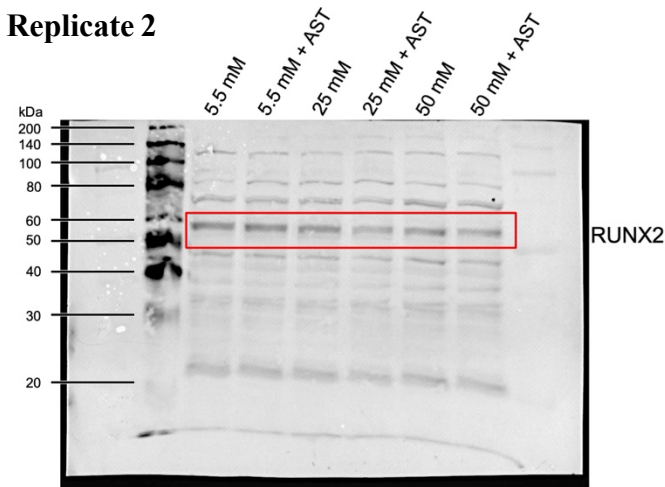


Additional file 1

Replicate 1



Replicate 2



Replicate 3

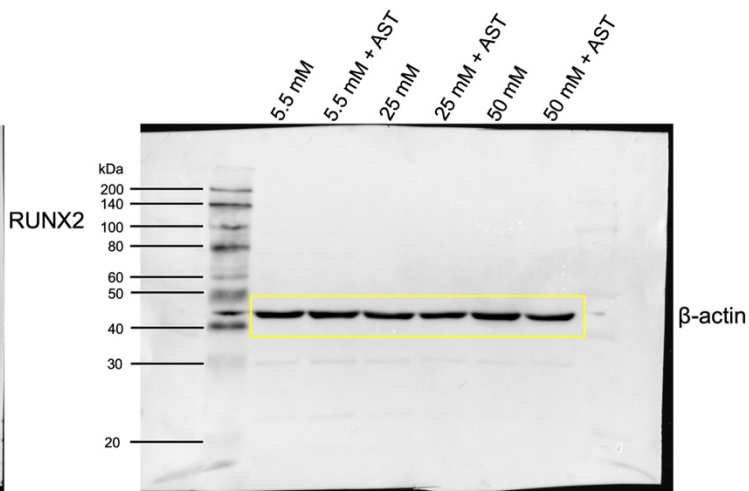
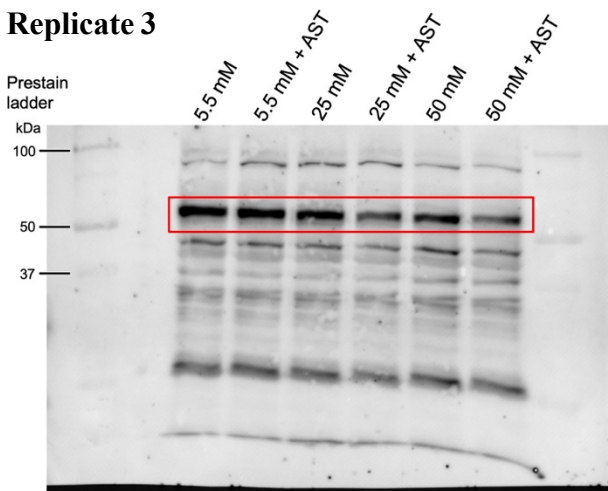
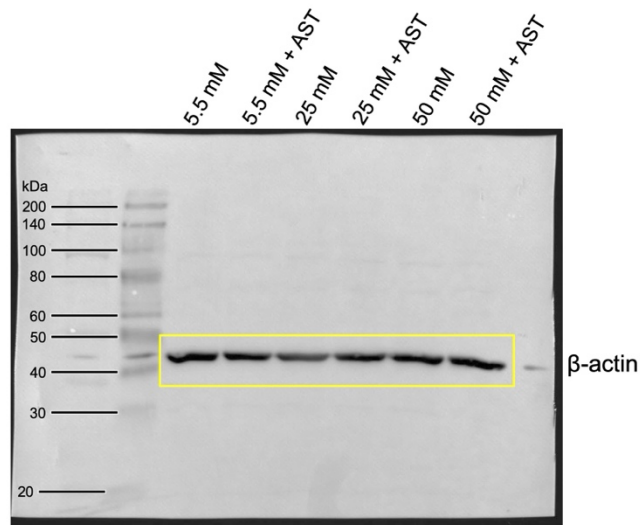
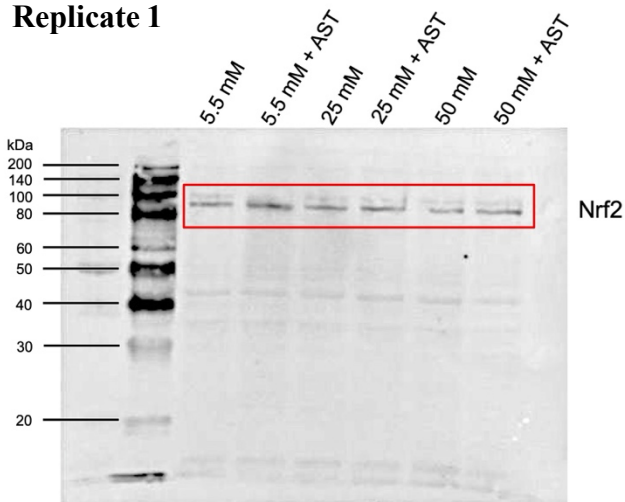


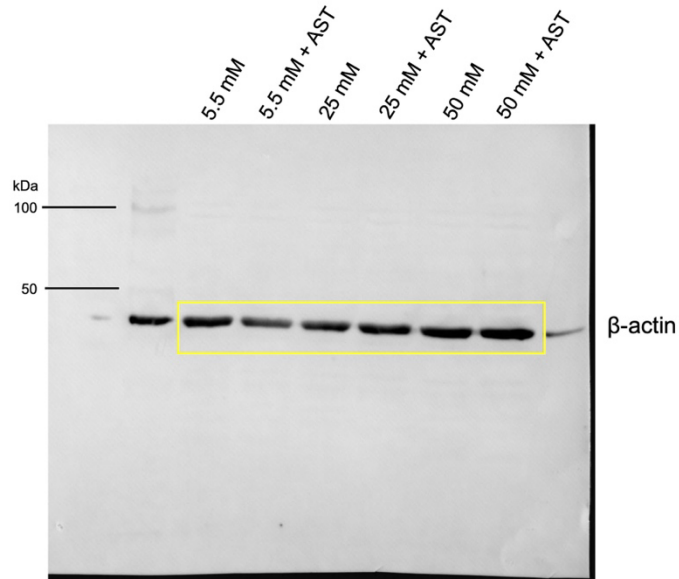
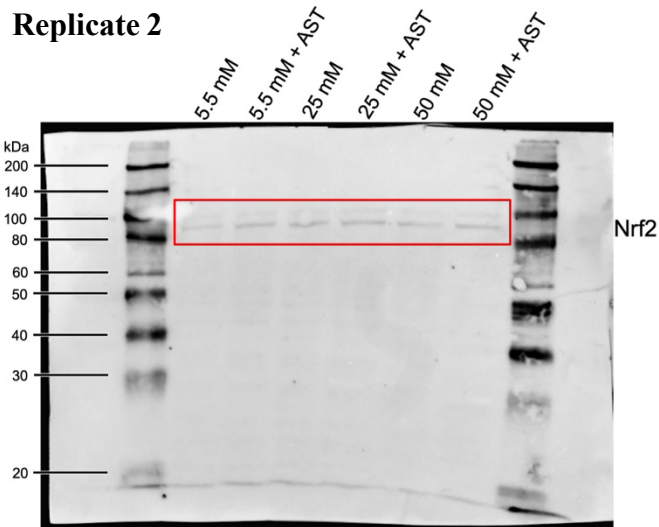
Fig S1. Original western blot images for Fig. 8B. showing RUNX2 and β -actin bands from three replicates. Red boxes indicate RUNX2 bands (55-62 kDa), and yellow boxes indicate β -actin bands (42 kDa). Abbreviations: RUNX2, Runt-related transcription factor 2; AST, Astaxanthin. Replicate 1 is shown in Fig. 8B.

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Replicate 1



Replicate 2



Replicate 3

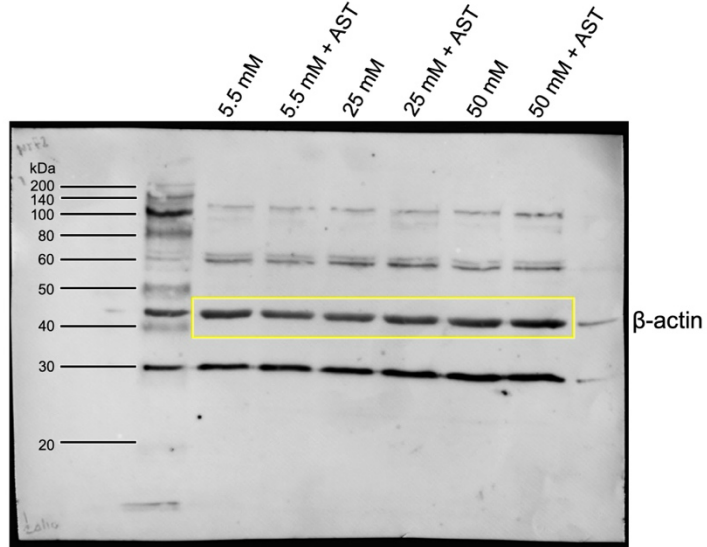
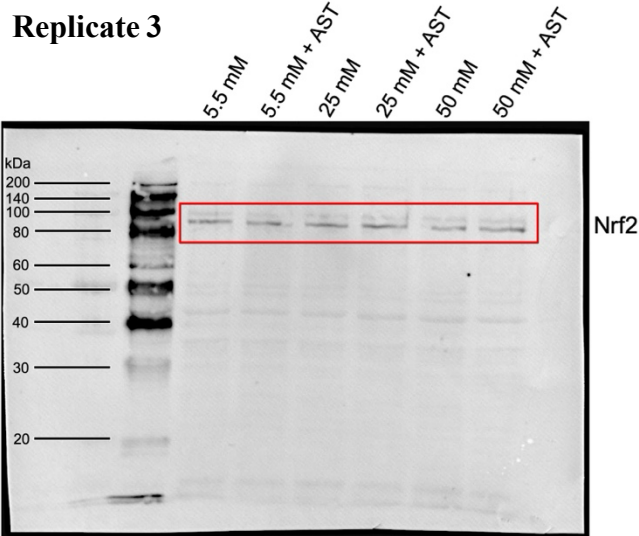


Fig S2. Original western blot images for Fig. 9B. showing Nrf2 and β -actin bands from three replicates. Red boxes indicate Nrf2 bands (97-100 kDa), and yellow boxes indicate β -actin bands (42 kDa). Abbreviations: Nrf2, nuclear factor erythroid 2-related factor 2; AST, Astaxanthin. Replicate 1 is shown in Fig. 9B.