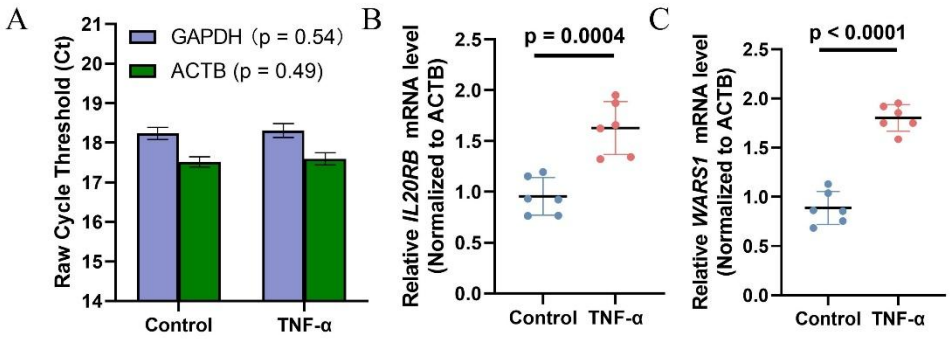
Supplementary figure

Integrative proteogenomics and single-cell transcriptomics prioritize candidate causal proteins and therapeutic targets in age-related macular degeneration

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Supplementary Figure S1. Validation of housekeeping gene stability and target expression using secondary reference gene ACTB. (A) Raw cycle threshold (Ct) values of GAPDH and ACTB in ARPE-19 cells treated with vehicle control or TNF-α (20 ng/mL, 24 h; n = 6 independent biological replicates). Differences between groups were evaluated by two-tailed unpaired Student's t-test (GAPDH, p = 0.54; ACTB, p = 0.49), confirming exceptional transcriptional stability under inflammatory stimulation. (B–C) Relative mRNA expression levels of *IL20RB* (B) and *WARS1* (C) in ARPE-19 cells normalized against ACTB. Data are presented as mean ± SD, with individual biological replicates shown as distinct dots. Statistical significance was assessed using two-tailed unpaired Student's t-test (*IL20RB*, p = 0.0004; *WARS1*, p < 0.0001).