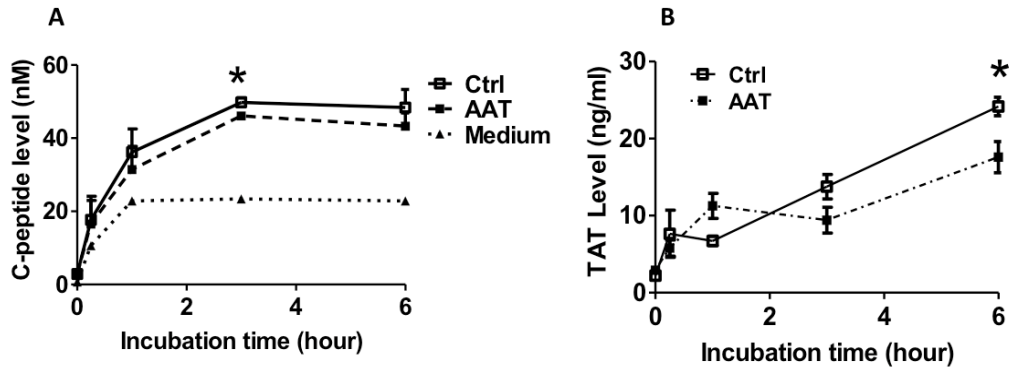


SUPPLEMENTARY DATA

Supplementary Figure S1. AAT decreases C-peptide and TAT levels *in vitro*. (A) C-peptide level in the *in vitro* miniature tube model from islets treated with blood (Ctrl), islets treated with AAT and blood (AAT) and islets cultured with complete medium (Medium). (B) TAT levels in the *in vitro* miniature tube model from islets treated with blood, compared to islets treated with AAT and blood. * $P < 0.05$, Student's *t* test.



SUPPLEMENTARY DATA

Supplementary Figure S2. AAT reduces cytokine-induced human islet cell death as analyzed by TUNEL assay. (A) TUNEL staining of human islets incubated with cytokine cocktail for 72 hours in the presence or absence of 0.5 mg/ml AAT. (B) Fewer TUNEL⁺ cells per islets were observed in AAT treated human islets when exposed to cytokine. More than 20 islets were counted in each group. * $p < 0.05$ by one-way ANOVA with Turkey post test analysis.

