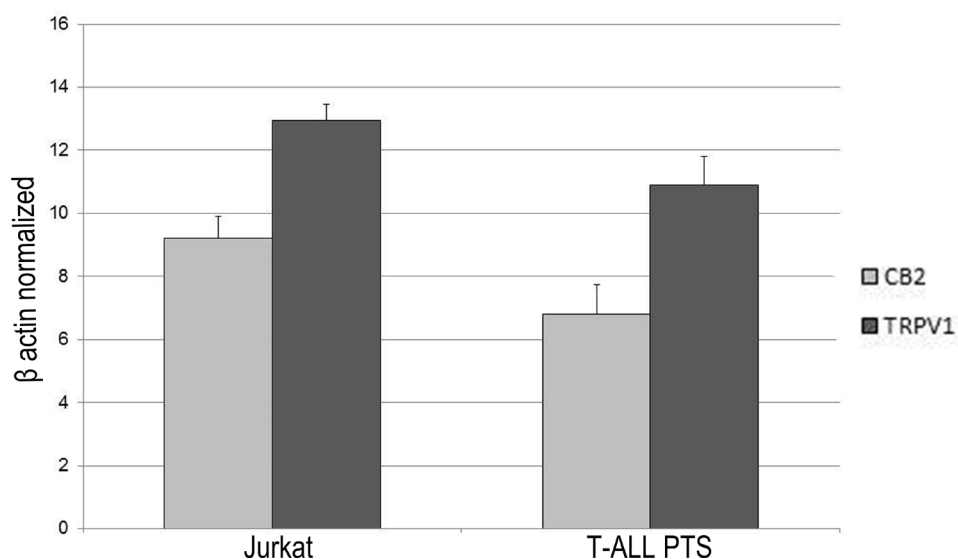
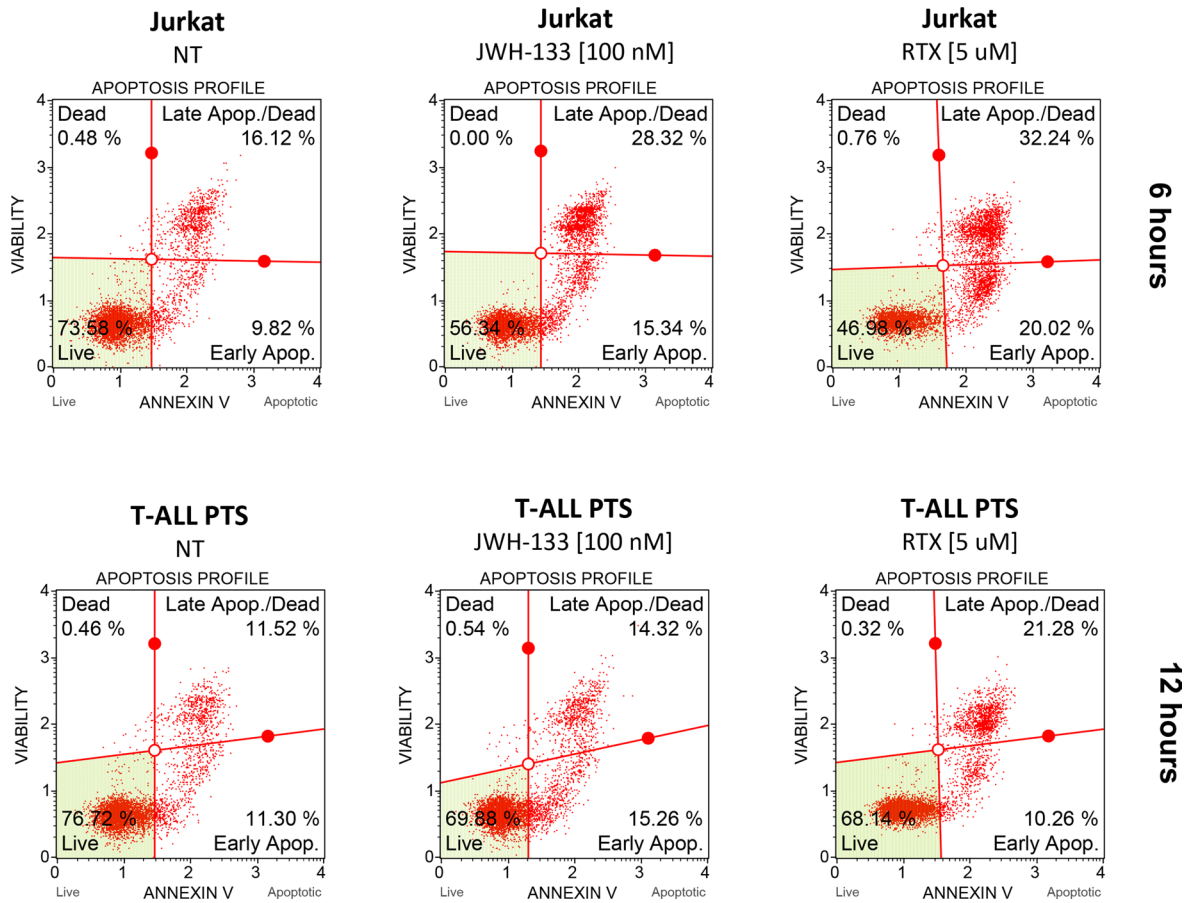


Effects of CB2 and TRPV1 receptors' stimulation in Pediatric Acute T-lymphoblastic Leukemia

SUPPLEMENTARY MATERIALS



Supplementary Figure 1: EC/EV receptors' expression in Jurkat cell line and in T-ALL patients' lymphoblasts. Jurkat cell line and T-ALL patients' lymphoblasts, obtained from 4 different patients, express the Cannabinoid receptor type 2 (CB2) and the Transient Receptor Potential Vanilloid type-1 (TRPV1). Data have been revealed by Q-PCR, starting from 1000 ng of total mRNA used in a Reverse Transcriptase reaction. Ct values were normalized for the housekeeping gene β -actin and were showed as mean \pm SD of three independent experiments for Jurkat cells and as mean \pm SD of one experiment, performed in triplicate, for each one of the 4 different patients.



Supplementary Figure 2: Representative selection of Apoptosis Assay's Dot Plots of Jurkat cells and T-ALL Patients' lymphoblasts after JWH-133 and RTX treatments. The panels show more representative cytofluorimetric scatter plots of Apoptosis Assay performed on Jurkat cell line and T-ALL patients' lymphoblasts. Apoptosis Assay was performed using "Cell dead and Annexin V Assay Kit" (Millipore) on a MUSE Cell Analyzer, following the manufacturer's protocol. The results were analyzed with "Muse 1.4 Analysis" software.