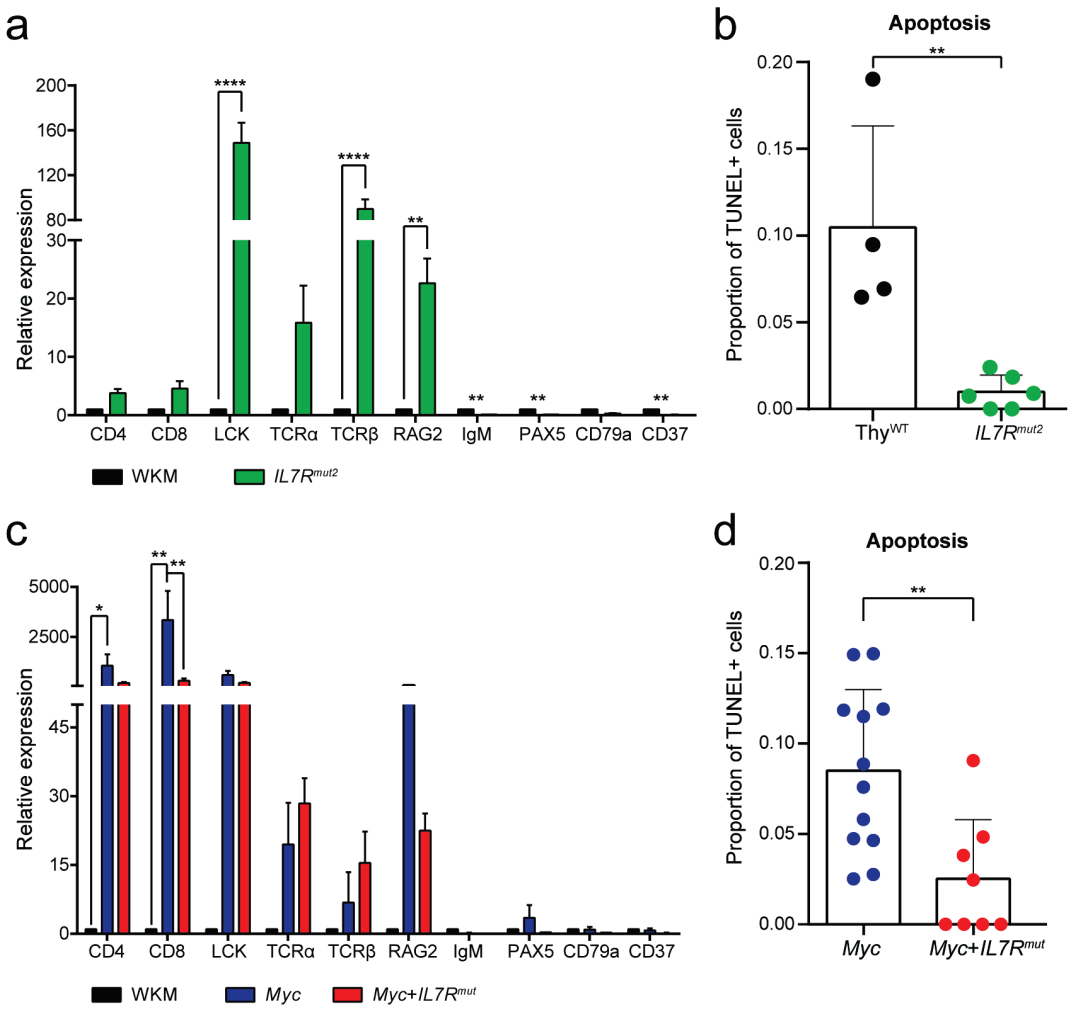

Supplementary Figure S1. Mutant *IL7R* decreases apoptosis of leukemia cells. (a) qRT-PCR gene expression analysis of the T-cell specific genes *lck, CD4, CD8, TCRα*(…), and the B-cell specific genes *IgM, Pax5, CD79a*(…), in tdTomato-positive T-ALL cells from stable transgenic animals (n = 5, run in triplicate); Samples were normalized to *β-actin* expression and gene expression is shown relative to bulk WKM cells isolated from normal CG1-strain fish; **, $P < 0.01$, ***, $P < 0.001$ and ****, $P < 0.0001$, Two-way ANOVA Error bars denote SEM. **(b)** Quantification of IHC data; Each dot represents a thymus or primary leukemia, and mean value is shown; **, $P < 0.01$; Error bars denote SD. **(c)** qRT-PCR gene expression comparing *Myc* and *Myc+IL7R*^{mut} expressing T-ALLs ($n > 3$ per genotype, run in triplicate) with bulk whole kidney marrow (WKM) cells isolated from normal Tu/AB-strain fish; *, $P < 0.05$ and **, $P < 0.01$, Two-way ANOVA; Error bars denote SEM. **(d)** Quantification of IHC data; Each dot represents a single primary leukemia and mean value is shown; **, $P < 0.01$, Mann Whitney test; NS, not significant; Error bars denote SEM.