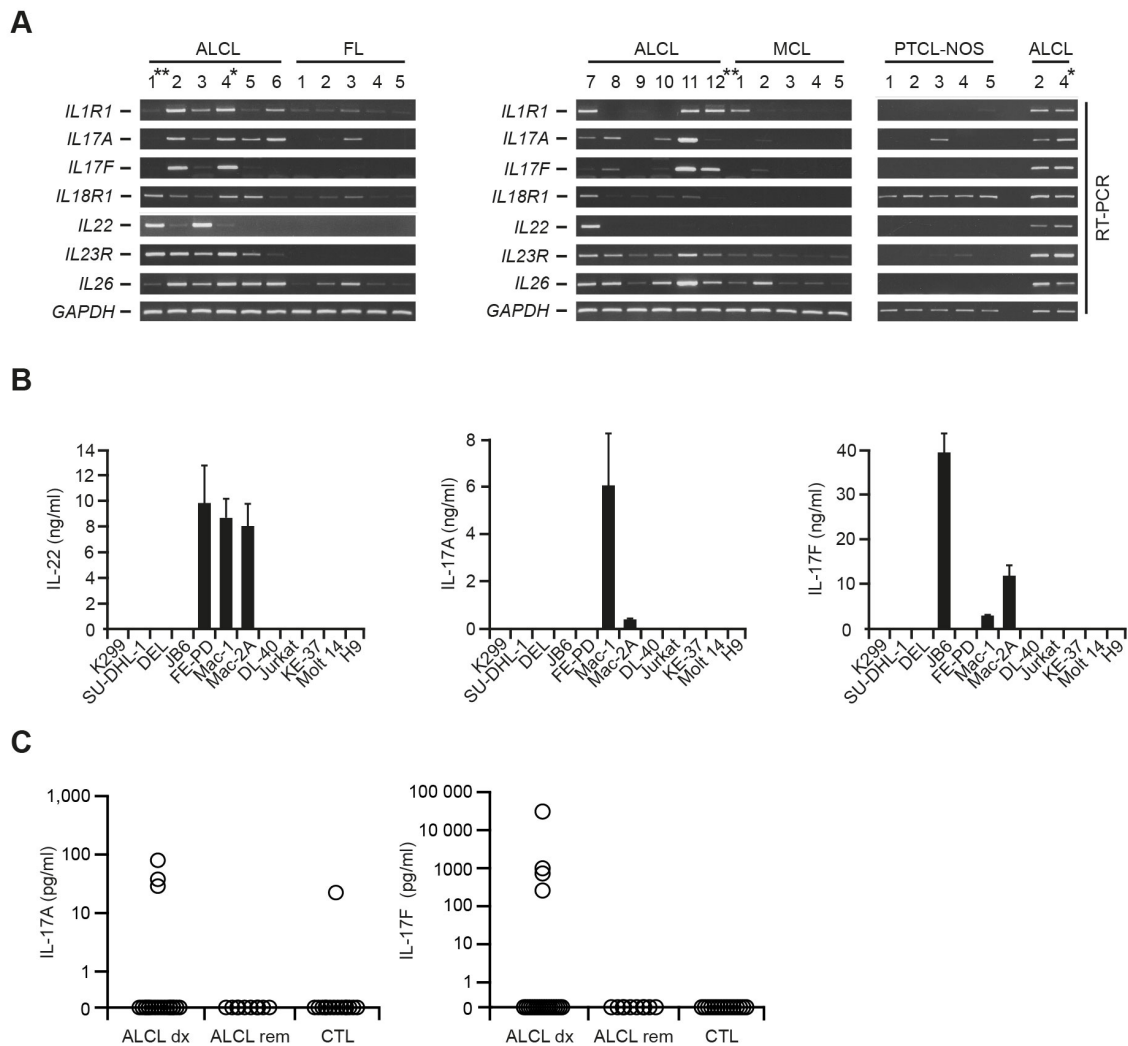


Supplementary Figure 4



Supplementary Figure 4. TH17 / ILC3 genes in ALCL. **(A)** mRNA expression of TH17 / ILC3-associated genes in 12 ALCL (9 ALK⁻ ALCL; *, ALK⁺ ALCL; **, ALK status not known), 5 follicular lymphoma, 5 mantle cell lymphoma (MCL) and 5 PTCL-NOS samples as analyzed by RT-PCR. Expression of *GAPDH* was analyzed as a control. **(B)** Secretion of IL-22 (left panel), IL-17A (center) and IL-17F (right) of ALCL and non-ALCL cell lines measured in cell culture supernatants by ELISA. One of three independent experiments is shown. The amount of the respective secreted cytokine is shown in ng/ml. Error bars denote SDs. **(C)** IL-17A (left) and IL-17F (right) levels in pretreatment serum/plasma of children and adolescents with ALK⁺ ALCL. Serum/plasma of 21 ALK⁺ ALCL patients was analyzed by a cytometric bead array. The respective cytokine levels of patients at initial diagnosis (ALCL dx), patients in remission (ALCL rem) and healthy donors (CTL) are shown in pg/ml on a logarithmic scale.