

SUPPLEMENTAL MATERIAL

Schochat et al., <http://www.jem.org/cgi/content/full/jem.20110580/DC1>

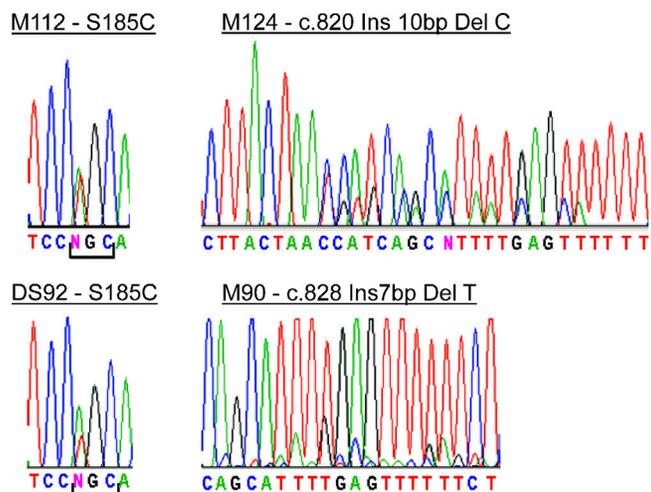


Figure S1. The mutated *IL7R* alleles are expressed. Examples of four mutated *IL-7R* RNA sequences from diagnostic sample. The ID numbers of the patients corresponds to the numbers in Table I.

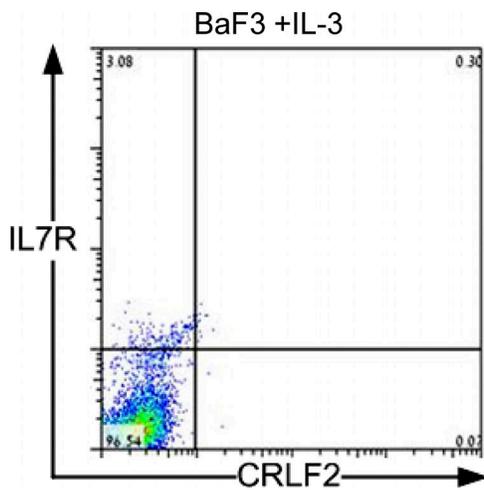


Figure S2. FACS analysis of parental BaF3 cells in the presence of IL-3. Experiments were performed four times.

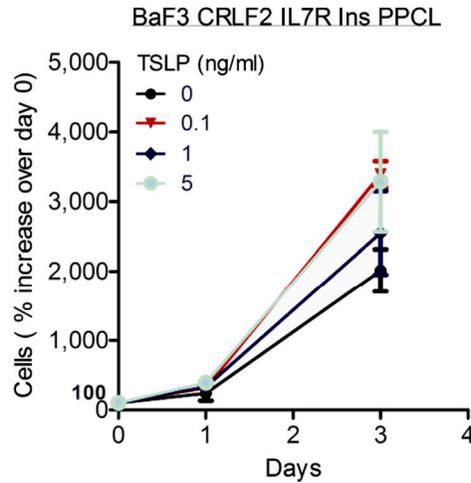


Figure S3. CRLF2 and IL7R Ins PPCL respond to TSLP. Transduced cells were treated with increasing doses of TSLP in the absence of IL-3. The number of cells was normalized to day 0 (therefore relative growth was measured). Experiments were performed two times. Error bars indicate SE.

Table S1. Clinical characteristics of T-ALL patients with *IL7R* mutations

Characteristic	<i>IL7R</i> Mutation			P value
	Positive	Negative	Data not available	
	%	%		
Sex				
Male	23(77)	195(74)	1	P = 1
Female	7(23)	67(26)		
Age at diagnosis				
Younger than 10 yr	21(70)	132(50.4)	1	P = 0.05
10 yr or older	9(30)	130(49.6)		
Presenting WBC count at diagnosis				
Less than 10 × 10 ⁹ /liter	3(10)	38(15)	2	P = 0.060
10 × 10 ⁹ /liter to less than 50x 10 ⁹ /liter	5(17)	75((29)		
50 × 10 ⁹ /liter to less than 100x 10 ⁹ /liter	6(20)	49(19)		
100x 10 ⁹ /liter or more	16(53)	99(37)		
T cell immunophenotype				
Pro/Pre	4(13.3)	56(21)	1	P = 0.7
Cortical	22(73.3)	168(64)		
Mature	4(13.3)	33(13)		
T not further classified	0	5(2)		
MRD-Risk classification				
High risk	8(29)	47(20)	27	P = 0.4
Medium risk	16(57)	138(58)		
Standard risk	4(14)	53(22)		

For *IL7-R* mutation-positive patients, *n* = 30; for *IL7R* mutation-negative patients, *n* = 263. WBC, white blood cell. P = χ^2 test. cyCD3⁺, cytoplasmic CD3⁺; sCD3⁺, Surface CD3⁺; Pro/Pre, cyCD3⁺, CD7⁺/ CD1, and sCD3⁻; cortical, CD1a⁺; mature, CD1a⁻, sCD3⁺.

Table S2. Primers used for genomic amplification of *IL7R* exons

Primer	Sequence (5' to 3')	Exon
IL-7R E1F	AAGTATAAAGCCCTAGATCTAAGC	1
IL-7R E1R	CTGAAACCATGCTACAGATAATCC	
IL-7R E2F	CTGCTATTTTATTAAGGTCATGCC	2
IL-7R E2R	AAGAGAGACAGAGGATGTCTAAGC	
IL-7R E3F	CCACTGCATACAGGAACCTCTACC	3
IL-7R E3R	GACACAGTGTTTTTCAGGTAGCCC	
IL-7R E4F	AAATACTATAATTATTCCTTGGC	4
IL-7R E4R	CCAGGGGAAATGCACTACTAGGCC	
IL-7R E5F	TTCCCATCCTAAGAATGTAAGTGC	5
IL-7R E5R	TGAGGGAACAAAACTCTACCACC	
IL-7R E6F	CAACTTTCAGGAAATAATAAGTGG	6
IL-7R E6R	TAAATTCGTGAAATGCCTTAATCC	
IL-7R E7F	CTCAGTGTGCCTGTGCCCTCTGCC	7
IL-7R E7R	AGGTTCAACTGTTCTTGTCTGG	
IL-7R E8F	GTGCCATCTTAATACCCTTTCTCC	8
IL-7R E8R	CGCTCACGGTAAGTTCAGTCTGGG	