

Supporting information for Wiemels *et al.* (2002) *Proc. Natl. Acad. Sci. USA*, 10.1073/pnas.222481199.

**Table 4. IGH and TCR sequences from t(1;19) E2A-PBX1<sup>+</sup> patients**

Germ-line-derived V, D, and J segments are shown along with nontemplate N-nucleotides (N). Specific J and D segments are noted when homology was

**IgH**

Pt.	V	N	D	N	J	F
398	TGCGA	GGGAGACTACAGATAGTC	(D2-2)AGAGATATTGTAGTAGTACCAGCTGCTAT	CGCGGAGATT	ACAACTGGTTCGACCCC(J5)	I
913	TGCCAG	GATAC	(D3-22)ATTACTATGATAGTAGTGGTTACT	CCGG	TGATGCTTTTGATATCT(J3)	I
482	TGCGCAGAG		(D2-2)AGTAGTACCAGTCTG	TGAGGG	ACTGGTTCGTACCCCT(J5b)	O
777	TGCAAGA	GCTCCATCTGGGATG	(D2-2)GCAGCTGGT	GGGG	ATTACTACTACTACG(J6b)	I
697	TGCGAGAGAA	CACCCCCTTGTGCCGATTCGGCTGAATG	(D3-22)TTACTATGATAGTAGTGGTTAT	TGGTGA	ACTGGTACTTCGAT(J2)	S
348	TGCGA	AAGC	(D3-13)GGGGGAG GGGGGTGGGCGCATCAACAGTTCACCCACTTCATC	CGGTATGGA(J6b)		I
228	TGTACCAC		(D2-2)AGAAGTACCAGCTGC	GCCT	TTTGACTACTGGGG(J4b)	I
633	TGCGAGAGA	GCTCCCTT	(D3-3)TTTTTGGAGTGGTTATTA	AGGGG	TACTACTACTACGGTA(J6b)	I
295	TGCGAG	TCGGGGT	(D6-13)GTACCAGCTGCT	TCGTACT	ACTTTGACTACTGGGG(J4b)	I
780	TGCGAGAGA	TAAAAATTCCC	(D3-22)TTACTACGATAGTAGTGGTTATT A	GTT	ACTACTTTGACTACTG(J4b)	I
69	TGCAAGA	GTTTCGCAAGCT	(D2-2)AGGATATTGTAGTAGTACCAGCTGC	CC	TTACTACTACGGTAT(J6b)	I
498	TGCGAGAG	CCTCGGGCCACTA	(D6-13)TATAGCAGCAGCTGGTAC	GGGT	TGGTTCGACCCCTGGG(J5b)	I
513	TGCGAGAGA	TGGTTGGCGTCAGGGTA			ACTACTACTACTACGG(J6b)	I
RCH	TGCGAA	GCGGACCCGGTC	(D5-18)GATACAGCTTATGGT	ATCG	ACTGGGGCCAGGGA(J4b)	O
71	TGCGAGA	GGCGTCAGAAT	(D3-16)TTATGATTACATTTGGGGGAGTTATCGT	CCAGAACCCAACCTAC	TTGACTACTGGGGC(J4b)	I
58	TGCGA	AAGCGGGGGAC	(D3-22)TATTACTATGATAGTAGTGGTT	ACATAAGGGG	CTACTACTACTACGGT(J6b)	I
D1	TGCAAGAG	ATTTAC	(D2-2)ATTGTAGTAGTA	CTGGCCCCCT	CTTTGACTACTGGG(J4b)	I
416	TCCGAGAGA	TGAAGGGTCC	(D3-10)ATGGTTCGGGGAG	GAGC	CTGGTTCGACCCCTG(J5b)	I
62	TGCGAGAG	CTCCAACCCCCCACCCTTTT	(D2-15)TTGTAGTGGTGGTAGCTGCTACT	G	ACAACTGGTTCGACCC(J5b)	I
D3	TGCGAGA	CATCCGGGC	(D5-18)TACAGCTATGGT	CCACAGGG	TTACTACTACTACT(J6b)	I
D4	TGCGAGA	TCCC GCCAGCAGG	(D3-22)ATTACTATGATAGTAGTGGTTAT	CG	TGAATACTTCCAGC(J1)	I
S1	TGCGA	CCTAATCAGGC	(D3-10) GTATTACTATGGTTCG-GGGAG	CCTATAGGGGGAA	TTGACTACTGGGG(J4b)	S

significant to assign one. Column “F” signifies whether the rearrangement encodes a functional gene. “I” – in frame and functional, “O” – out of frame and non functional, “S” – in frame but the rearrangement creates a stop codon.

**Table 4. (continued)**

<b>TCR</b>			
<b>Pt.</b>	<b>V<math>\delta</math>2</b>	<b>N</b>	<b>D<math>\delta</math>3</b>
697	TACTACTGTGCCTGTGACAC	TCGGCGGA	GGGGATACGCACAG
131A*	TACTACTGTGCCTGTGACACC	GAG	CTGGGGGATACGCACAG
131B	TAC TACTGTGCCT	G	CTGGGGGGATACGCACAG
780	TACTACTGTG	CCTGTGCC	CTGGGGGATACGCACAG
498	TACTACTGTGCCTGTG	CCCCTTGCTT	ACTGGGGGATACGCACAG
RCH	TACTACTGTGCCTGTGACAC	TTCGGC GGA	GGGGATACGCACAG
71	TACTACTGTGCCTGTGACACC	TTCTGCCGCTGTTA	ACTGGGGGATACGCACAG
58	TACTACTGTG	CCTGTCC	CGCACAG
HS	TACTACTGTGCCTGTGACACC	GATTTA	GGGGATACCGCACC
BD	TACTACTGTGCCTGTGACACC	GGGA	TGGGGGATACGCACAG
416	TACTACTGTGCCTGTGAC	GCC	GGGGGATACGCACAG
TG	TACTACTGTGCCTGTGACACC	GGGTCT	ACTGGGGGATACGCACAG

\*A and B indicate two different sequences from separate clones in this patient.