

Table S1. Patient characteristics. AE = t(8:21) and INV = inv(16)

Patient Code	Sex/Age	Karyotype		Time to relapse (months)	% blasts in D/R (Pre-Ficoll)	Germline DNA source ^a
		At diagnosis	At relapse			
AET1*	F/36	46,XX,t(8;21)(q22;q22)[20]	45,X,-X,t(8;21)(q22;q22),del(15)(q13q15)[15]/46,X,-X,t(8;21)(q22;q22),+15,del(15)(q13q15)[3]/46,XX[2]	6.4	36/35	BS@D
AET2	F/38	46,XX,t(8;21)(q22;q22)[2]/45,X,-X,t(8;21)(q22;q22)[15]/46,XX[3]	45,X,-X,t(1;17)(q42;p13),t(8;21)(q22;q22)[15]/45,X,-X,t(6;12)(p21;p13),t(8;21)(q22;q22)[5]	6.9	58/64	PB@CR
AET3	M/52	45,X,-Y,t(8;21)(q22;q22)[20]	88<4N>,XX,-Y,add(1)(p36),del(1)(p34),-4,add(4)(q33),-5,+8,t(8;21)(q22;q22)x2,-11,add(17)(p11.2)[14]/44,X,-Y,der(1)t(1;10)(p13;q11.2),der(5)ins(5;1)(q35;p36.3p31),t(7;11)(p15;q23),t(8;21)(q22;q22)[5] ^b	5.5	68/80	PB@CR
AET4	M/52	46,XY,t(8;21)(q22;q22)[19]/46,XY[1]	46,XY,del(1)(q25q32),add(2)(q24),t(8;21)(q22;q22)[19]/46,XY[1]	7.8	34/71	PB@CR
AET5	F/22	46,XX,t(8;21)(q22;q22)[20]	46,XX,t(8;21)(q22;q22)[19]/46,XY[1]	8.8	53/95	BM@CR
AET7	M/23	46,XY,t(8;21)(q22;q22)[20]	46,XY,t(3;12)(q21;q24.1),t(8;21)(q22;q22)[19]/46,XY[1]	9.2	56/65	PB@CR
INVT1*	M/51	46,XY,inv(16)(p13q22)[20]	46,XY,inv(16)(p13q22)[14]/46,XY[6]	6.4	53/77	BS@D
INVT2	M/52	46,XY,inv(16)(p13q22)[3]/46,XY,del(7)(q22q34),inv(16)(p13q22)[8]/47,XY,inv(16)(p13q22),add(18)(p11),+22[9]	46,XY,del(7)(q22q34),inv(16)(p13q22)[15]/46,XY[7]	6.8	71/24	BM@CR
INVT3	M/19	46,XY,inv(16)(p13q22)[8]/47,idem,+8[6]/48,idem,+4,+8[3]/48,idem,+2mar[2]/46,XY[1]	49,XY,del(3)(q13.2q25),+8,t(12;15)(q24.3;q15),inv(16)(p13.1q22),+2mar[18]/46,XY[1]*	7.9	23/73	PB@CR
INVT4	M/37	47,XY,+8,inv(16)(p13q22)[19]/46,XY[1]	47,XY,+8,inv(16)(p13.1q22)[5]/46,XY[15]	10.6	67/40	PB@CR
INVT5	M/29	51,XY,+14,+15,t(16;16)(p13.1;q22),+20,+21,+22[6]/47,XY,t(3;11)(p13;q2?3),t(16;16)(p13.1;q22),+22[2]/46,XY[11] ^b	46,XY,t(3;11)(p13;q2?3),t(16;16)(p13.1;q22),+22[12]/46,XY,del(3)(q21q21),inv(4)(p13q13),t(7;11)(p15;p12),t(16;16)(p13.1;q22)[2]/46,XY[6]	8.2	52/20	PB@CR
INVT6*	M/47	46,XY,inv(16)(p13q22)[20]	46,XY,inv(16)(p13q22)[29] ^b	13.9	59/78	BS@rx
INVT7	F/26	46,XX,inv(16)(p13.1q22)[16]/46,XX[4]	46,XX,inv(16)(p13.1q22)[17]/46,XX,inv(16)(p13.1q22),add(16)(q24)[3]	5.7	68/88	PB@CR

^a: BS@D: buccal smear at diagnosis, BS@rx: buccal smear during treatment, PB@CR: peripheral blood during remission, BM@CR: bone marrow during remission

^{*}: Paired tumor DNAs from diagnosis and relapse were used in WES and SNP arrays

^b: One additional cell with nonclonal abnormalities was also detected.