

ETV6 mutation in a cohort of 970 patients with hematologic malignancies

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Supplementary Table 1

Primer sequences and PCR conditions of ETV6 gene

Primer NO.	Sequence (5'to3')	Annealing temperature	Extend times
ETV6-1F	GGGAGAGGAAAGGAAAGTGG	58°C	60S
ETV6-1R	ATTGTCAAAAAGCAAGGGGG		
ETV6-2F	GTCTCATACCTCCATTCCAAG	57°C	35S
ETV6-2R	CCATCAATCCTCTGTCCCT		
ETV6-3F	AGACCTTCTCCCTTTATTCC	58°C	40S
ETV6-3R	AACACTTCCTCTTCTCCCT		
ETV6-4F	GCTTGGTGAGGGTAGGAG	57°C	35S
ETV6-4R	CTTCGCTTTGATCGTGAG		
ETV6-5F	ATACCTACACGCTCCTCCATT	57°C	50S
ETV6-5R	TTAGCCTCATCCAAGCAGAA		
ETV6-6F	TTGCCTCCCGTCTTTCA	52°C	45S
ETV6-6R	ATTATTTCTTCCCTTTGC		
ETV6-7F	AAGCGAGGCTGCTATGG	57°C	50S
ETV6-7R	TATTATTTGGTCACTGCGTTA		
ETV6-8F	TGGACCAAGGCTTTCTCGT	58°C	40S
ETV6-8R	CGCCTGTGCTGGGTAGTTT		

Supplementary Table 2

the Characteristics of patients with ETV6 mutation

Patient #	Age	Gender	Base pair changes (c.)	Amino acid change (p.)	Exon	Diagnosis	CR specimens	Karyotype	other mutations
20060939	M	28	343 G>T	E115X	6	B-ALL	NA	46,XY	IKZF1
20093944	F	40	691 G>T	E231X	5	MDS-RCMD	NA	47,XX,+19/46,XX	
20101808	M	49	1200insCC	H400fsX404	7	CML-AP (CP)	NA	46,XY	RUNX1
20103388	F	47	1261 A>G	K421E	8	MDS-RAEB2	NA	46, XX,del(7)(q21)	
20071974	M	26	313insCTC	R105LR	3	MPAL	NA	NA	
20081987	F	45	313insGGG	R105GR	3	AML	0	46,XX	
20112356	M	56	418 A>G	I140V	4	CLL	NA	46,XY,t(3;10)(q26;q21)	
20081335	F	20	589 G>A	E197K	5	CML-AP (CP)	NA	46,XX,t(9;22)(q34;q11)	
20105865	M	81	1070 T>A	F357Y	6	CLL	NA	46,XY,13q-,17p+	
20101704	F	42	161insCCdel TGCG	P54fsX63	2	B-ALL	NA	48,XX,+8,t(9;22),+ph	
20101603	F	64	416CTdel	S139fsX152	4	MDS-RAEB2	0	46,XX	
20072374	M	35	692delGGins TAATCCAAA	S232fsX246	5	AML-M1	NA	NA	
20063902	F	17	1052insTCC G	D351fsX384	6	AML-M3	0	t (15; 13)	
20051950	M	22	1146ins A	N382fsX383	6	AML	0	46,XY	

NA means not availabl