

A: 35 pairs at diagnosis and relapse

Pair number	Diagnosis sample	Relapse sample	Timing of Relapse	Duration of CR1 (months)	Treatment protocol at diagnosis	Immuno-phenotype	Correlation Co-efficient
Pair 1	#D1	#R3	Early	18.9	CCG 1991	B-Precursor	0.469
Pair 2~	#D2	#R4	Early	17.63	CCG 1961	B-Precursor	0.39
Pair 3	#D3	#R20	Early	18	CCG 1961	B-Precursor	0.147
Pair 4	#D4	#R39	Early	13.47	CCG 1961	T-cell	0.555
Pair 5	#D5	#R37	Late	54.1	CCG 1952	B-Precursor	0.061
Pair 6	#D6	#R36	Late	49.33	Unknown	B-Precursor	0.005
Pair 7~	#D7	#R35	Late	51	CCG 1952	B-Precursor	0.331
Pair 8	#D8	#R38	Early	34.87	POG 9906	B-Precursor	0.392
Pair 9*^	#D9	#R12	Late	36.73	POG 9407	B-Precursor	0.375
Pair 10	#D11	#R59	Early	18.93	CCG 1961	B-Precursor	0.222
Pair 11	#D12	#R58	Late	43.63	CCG 1961	T-cell	0.658
Pair 12~	#D13	#R2	Late	48.17	POG 9201	B-Precursor	0.021
Pair 13	#D14	#R21	Early	15.63	POG 9906	B-Precursor	0.176
Pair 14	#D15	#R46	Early	30.87	POG 9906	B-Precursor	0.194
Pair 15	#D16	#R44	Late	46.7	CCG 1922	B-Precursor	-0.123
Pair 16*	#D17	#R60	Late	45.73	POG 9407	B-Precursor	0.5
Pair 17~	#D18	#R61	Early	7.57	POG 9905	B-Precursor	0.582
Pair 18	#D19	#R62	Early	19.86	POG 9905	B-Precursor	0.642
Pair 19	#D20	#R63	Early	14.36	POG 9905	B-Precursor	0.163
Pair 20	#D21	#R64	Early	15.37	POG 9906	B-Precursor	0.737
Pair 21	#D22	#R65	Early	23.11	Unknown	B-Precursor	0.5
Pair 22	#D23	#R66	Early	10.45	POG 9905	B-Precursor	0.795
Pair 23	#D24	#R67	Early	21.34	POG 9906	B-Precursor	0.477
Pair 24	#D26	#R69	Early	21.2	POG 9806	B-Precursor	0.074
Pair 25	#D27	#R70	Early	20.06	POG 9806	B-Precursor	0.178
Pair 26	#D29	#R72	Early	18.78	POG 9906	B-Precursor	0.295
Pair 27	#D30	#R73	Early	14.49	POG 9905	B-Precursor	0.503
Pair 28	#D31	#R74	Late	38.36	POG 9906	B-Precursor	0.163
Pair 29~	#D32	#R75	Late	41.34	POG 9905	B-Precursor	0.034
Pair 30	#D33	#R76	Late	36.49	POG 9906	B-Precursor	0.453
Pair 31	#D34	#R77	Late	40	POG 9906	B-Precursor	0.313
Pair 32	#D35	#R78	Early	29.7	POG 9905	B-Precursor	0.545
Pair 33	#D36	#R79	Early	16.88	POG 9906	B-Precursor	0.363
Pair 34	#D37	#R80	Early	13.08	POG 9906	B-Precursor	0.689
Pair 35	#D38	#R81	Early	16.03	AALL00P2	T-cell	0.82

\* Infant (at diagnosis)

^ Ph positive

~ TEL/AML1

B: 60 patients at relapse

	Patient ID	Timing of Relapse	Duration of CR1 (months)	MRD at Day 36	Marrow status at Day 36	Immuno-phenotype
1	#R45	Early	7.27	NA	M3	B-Precursor
2	#R61	Early	7.57	0.49%	M1	B-Precursor
3	#R33	Early	8.5	2.10%	M2	B-Precursor
4	#R7	Early	13.63	1.10%	M1	B-Precursor
5	#R10	Early	14.77	40%	M3	B-Precursor
6	#R21	Early	15.63	36%	M3	B-Precursor
7	#R29*	Early	17.47	2.70%	M1	B-Precursor
8	#R31	Early	17.53	Negative	M1	B-Precursor
9	#R4	Early	17.63	Negative	M1	B-Precursor
10	#R20	Early	18	0.55%	M1	B-Precursor
11	#R14	Early	18.33	0.02%	M1	B-Precursor
12	#R53*	Early	18.57	NA	M1	B-Precursor
13	#R3	Early	18.9	<.01%	M1	B-Precursor
14	#R59	Early	18.93	NA	M1	B-Precursor
15	#R30	Early	19.97	0.01%	M3	B-Precursor
16	#R52	Early	22.3	<.01%	M1	B-Precursor
17	#R8	Early	22.97	<.01%	M1	B-Precursor
18	#R13	Early	23.13	Negative	M1	B-Precursor
19	#R28	Early	24.77	3%	M1	B-Precursor
20	#R41	Early	27.1	1.60%	M1	B-Precursor
21	#R6	Early	27.6	0.03%	M1	B-Precursor
22	#R48	Early	29.1	NA	M3	B-Precursor
23	#R46	Early	30.87	1.17%	M1	B-Precursor
24	#R54	Early	32.07	0.62%	M1	B-Precursor
25	#R5	Early	32.3	Negative	M1	B-Precursor
26	#R55	Early	32.3	46%	M2	B-Precursor
27	#R25	Early	32.57	Negative	M1	B-Precursor
28	#R42	Early	33.03	0.85%	M1	B-Precursor
29	#R56	Early	34.3	NA	NA	B-Precursor
30	#R38	Early	34.87	NA	NA	B-Precursor
31	#R11	Early	35.83	Negative	M1	B-Precursor
32	#R1	Early	35.93	0.02%	M1	B-Precursor
33	#R12*^	Late	36.73	NA	NA	B-Precursor
34	#R27	Late	38.7	1.30%	M1	B-Precursor
35	#R47	Late	43.2	12.40%	M1	B-Precursor
36	#R16	Late	44.13	Negative	M1	B-Precursor
37	#R60*	Late	45.73	NA	NA	B-Precursor
38	#R26	Late	46.3	Negative	M1	B-Precursor
39	#R44	Late	46.7	0.65%	M1	B-Precursor
40	#R2	Late	48.17	Negative	NA	B-Precursor
41	#R36	Late	49.33	Negative	NA	B-Precursor
42	#R35	Late	51	Negative	M1	B-Precursor
43	#R23	Late	51.1	0.32%	M1	B-Precursor
44	#R37	Late	54.1	0.05%	M1	B-Precursor
45	#R34	Late	55.9	Negative	M1	B-Precursor
46	#R51	Late	56.37	Negative	M1	B-Precursor
47	#R17	Late	58.37	NA	M3	B-Precursor
48	#R49	Late	71.5	Negative	M1	B-Precursor
49	#R22	Late	72.93	NA	M1	B-Precursor
50	#R18	Late	74.07	<.01%	M1	B-Precursor
51	#R24	Late	79.83	Negative	M1	B-Precursor
52	#R50	Late	84.83	2%	M1	B-Precursor
53	#R32	Late	92.93	Negative	M1	B-Precursor
54	#R40	Late	105.87	0.04%	M1	B-Precursor
55	#R19	Early	8.5	53%	M3	T-cell
56	#R39	Early	13.47	16.70%	M1	T-cell
57	#R43	Early	18.07	NA	NA	T-cell
58	#R9	Early	23.1	23%	M2	T-cell
59	#R15	Early	27	NA	NA	T-cell
60	#R58	Late	43.63	0.73%	M1	T-cell

\* Infant (at diagnosis)

^ Ph positive

PD; Progressive disease

NA; Not available