

Supplementary Table 1

AMLprofiler cytogenetic and molecular marker results from individual patient samples

Sample ID	Inv (16)	t(8;21)	t(15;17)	CEBPA	NPM1	BAALC	EVI1
1a	Not detected	Not detected	Not detected	Not detected	Not detected	Detected	Not detected
2a	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected
3a	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected
4a	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected
4b	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected
5a	Not detected	Not detected	Not detected	Detected	Not detected	Not detected	Not detected
5b	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected
6a	Not detected	Not detected	Detected	Not detected	Not detected	Not applicable	Not applicable
6b	Not detected	Not detected	Detected	Not detected	Not detected	Not applicable	Not applicable
7b	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected
8a	Not detected	Detected	Not detected	Not detected	Not detected	Not applicable	Not applicable
9b	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected
10a	Not detected	Detected	Not detected	Not detected	Not detected	Not applicable	Not applicable
10b	Not detected	Detected	Not detected	Not detected	Not detected	Not applicable	Not applicable
11a	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Detected
12a	Detected	Not detected	Not detected	Not detected	Not detected	Not applicable	Not applicable
12b	Detected	Not detected	Not detected	Not detected	Not detected	Not applicable	Not applicable
13a	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Detected
13b	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Detected
14a	Not detected	Not detected	Not detected	Not detected	Not detected	Detected	Detected
15a	Not detected	Not detected	Not detected	Not detected	Not detected	Detected	Not detected

39b	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected
40a	Detected	Not detected	Not detected	Not detected	Not detected	Not applicable	Not applicable
41a	Not detected	Not detected	Not detected	Not detected	Not detected	Detected	Detected
41b	Not detected	Not detected	Not detected	Not detected	Not detected	Detected	Detected
42a	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected
43a	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected
43b	Not detected	Not detected	Not detected	Not detected	Not detected	Detected	Not detected
44a	Not detected	Detected	Not detected	Not detected	Not detected	Not applicable	Not applicable
45a	Not detected	Not detected	Not detected	Not detected	Detected	Not detected	Not detected
46a	Not detected	Not detected	Not detected	Not detected	Detected	Detected	Not detected
47a	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected
48a	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected
49a	Not detected	Not detected	Detected	Not detected	Not detected	Not applicable	Not applicable
49b	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected
50a	Not detected	Detected	Not detected	Not detected	Not detected	Not applicable	Not applicable
51a	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Detected
52a	Detected	Not detected	Not detected	Not detected	Not detected	Not applicable	Not applicable
53a	Not detected	Not detected	Not detected	Not detected	Not detected	Detected	Detected

“Detected” indicates that a cytogenetic or molecular (gene mutation/expression) marker is present; “Not detected” indicates that it is absent. Where one of the three markers is present that would stratify the patient into the cytogenetically favorable risk group i.e. inv(16)(p13q22)/t(16;16)(p13;q22), t(8;21)(q22;q22), or t(15;17)(q24;q21), the patient cannot be stratified into the intermediate risk group. Since in these cases the expression marker results are not applicable, the report output field reads “Not applicable” for these markers. “a” and “b” in sample ID represents bone marrow and peripheral blood respectively; sample numbers highlighted in bold indicate matched bone marrow and peripheral blood pairs.