

## 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	<b>Detected</b>	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
<b>4a</b>	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected
<b>4b</b>	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected
<b>5a</b>	Not detected	Not detected	Not detected	<b>Detected</b>	Not detected	Not detected	Not detected
<b>5b</b>	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected
<b>6a</b>	Not detected	Not detected	<b>Detected</b>	Not detected	Not detected	Not applicable	Not applicable
<b>6b</b>	Not detected	Not detected	<b>Detected</b>	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	<b>Detected</b>	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
<b>10a</b>	Not detected	<b>Detected</b>	Not detected	Not detected	Not detected	Not applicable	Not applicable
<b>10b</b>	Not detected	<b>Detected</b>	Not detected	Not detected	Not detected	Not applicable	Not applicable
11a	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	<b>Detected</b>
<b>12a</b>	<b>Detected</b>	Not detected	Not detected	Not detected	Not detected	Not applicable	Not applicable
<b>12b</b>	<b>Detected</b>	Not detected	Not detected	Not detected	Not detected	Not applicable	Not applicable
<b>13a</b>	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	<b>Detected</b>
<b>13b</b>	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	<b>Detected</b>
14a	Not detected	Not detected	Not detected	Not detected	Not detected	<b>Detected</b>	<b>Detected</b>
15a	Not detected	Not detected	Not detected	Not detected	Not detected	<b>Detected</b>	Not detected



<b>39b</b>	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected
40a	<b>Detected</b>	Not detected	Not detected	Not detected	Not detected	Not applicable	Not applicable
<b>41a</b>	Not detected	Not detected	Not detected	Not detected	Not detected	<b>Detected</b>	<b>Detected</b>
<b>41b</b>	Not detected	Not detected	Not detected	Not detected	Not detected	<b>Detected</b>	<b>Detected</b>
42a	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected
<b>43a</b>	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected
<b>43b</b>	Not detected	Not detected	Not detected	Not detected	Not detected	<b>Detected</b>	Not detected
44a	Not detected	<b>Detected</b>	Not detected	Not detected	Not detected	Not applicable	Not applicable
45a	Not detected	Not detected	Not detected	Not detected	<b>Detected</b>	Not detected	Not detected
46a	Not detected	Not detected	Not detected	Not detected	<b>Detected</b>	<b>Detected</b>	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
<b>49a</b>	Not detected	Not detected	<b>Detected</b>	Not detected	Not detected	Not applicable	Not applicable
<b>49b</b>	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected
50a	Not detected	<b>Detected</b>	Not detected	Not detected	Not detected	Not applicable	Not applicable
51a	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected	<b>Detected</b>
52a	<b>Detected</b>	Not detected	Not detected	Not detected	Not detected	Not applicable	Not applicable
53a	Not detected	Not detected	Not detected	Not detected	Not detected	<b>Detected</b>	<b>Detected</b>

“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.