

**SUPPLEMENTAL TABLE 6.** Antigen expression by FCM-MRD levels in T-ALL patients treated with ALL IC-BFM 2002/2009 protocols\*

| <b>T-ALL</b>           |                       |            |           |                          |                       |           |           |
|------------------------|-----------------------|------------|-----------|--------------------------|-----------------------|-----------|-----------|
| <b>Antigen</b>         | <b>FCM-MRD day 15</b> |            | <b>P†</b> | <b>Pooled categories</b> | <b>FCM-MRD day 15</b> |           | <b>P†</b> |
|                        | MRD<10%               | MRD≥10%    |           |                          | MRD<10%               | MRD≥10%   |           |
|                        | n (%)                 | n (%)      |           |                          | n (%)                 | n (%)     |           |
| <b>CD1a</b>            |                       |            | 0.075     |                          |                       |           |           |
| N                      | 16 (44.4)             | 12 (70.6)  |           |                          |                       |           |           |
| P                      | 20 (55.6)             | 5 (29.4)   |           |                          |                       |           |           |
| No information         | 2                     | 0          |           |                          |                       |           |           |
| <b>CD2</b>             |                       |            | 0.310     |                          |                       |           |           |
| N                      | 2 (7.7)               | 3 (23.1)   |           |                          |                       |           |           |
| P                      | 24 (92.3)             | 10 (76.9)  |           |                          |                       |           |           |
| No information         | 12                    | 4          |           |                          |                       |           |           |
| <b>Cytoplasmic CD3</b> |                       |            |           |                          |                       |           |           |
| P                      | 38 (100.0)            | 17 (100.0) |           |                          |                       |           |           |
| <b>Membrane CD3</b>    |                       |            | 0.328     |                          |                       |           |           |
| N                      | 20 (55.6)             | 7 (41.2)   |           |                          |                       |           |           |
| P                      | 16 (44.4)             | 10 (58.8)  |           |                          |                       |           |           |
| No information         | 2                     | 0          |           |                          |                       |           |           |
| <b>CD4</b>             |                       |            | 0.108     |                          |                       |           |           |
| N                      | 9 (25.0)              | 8 (47.1)   |           |                          |                       |           |           |
| P                      | 27 (75.0)             | 9 (52.9)   |           |                          |                       |           |           |
| No information         | 2                     | 0          |           |                          |                       |           |           |
| <b>CD5</b>             |                       |            | 0.255     |                          |                       |           |           |
| N                      | 1 (2.9)               | 2 (11.8)   |           |                          |                       |           |           |
| P                      | 33 (97.1)             | 15 (88.2)  |           |                          |                       |           |           |
| No information         | 4                     | 0          |           |                          |                       |           |           |
| <b>CD7</b>             |                       |            |           |                          |                       |           |           |
| P                      | 37 (100.0)            | 17 (100.0) |           |                          |                       |           |           |
| No information         | 1                     | 0          |           |                          |                       |           |           |
| <b>CD8</b>             |                       |            | 0.006     |                          |                       |           |           |
| N                      | 11 (30.6)             | 12 (70.6)  |           |                          |                       |           |           |
| P                      | 25 (69.4)             | 5 (29.4)   |           |                          |                       |           |           |
| No information         | 2                     | 0          |           |                          |                       |           |           |
| <b>CD10</b>            |                       |            | 0.031     |                          |                       |           |           |
| N                      | 11 (33.3)             | 10 (66.7)  |           |                          |                       |           |           |
| P                      | 22 (66.7)             | 5 (33.3)   |           |                          |                       |           |           |
| No information         | 5                     | 2          |           |                          |                       |           |           |
| <b>CD13</b>            |                       |            | 0.598     |                          |                       |           |           |
| N                      | 27 (84.4)             | 11 (73.3)  |           |                          |                       |           |           |
| Dim                    | 2 (6.3)               | 2 (13.3)   |           |                          |                       |           |           |
| Medium                 | 3 (9.4)               | 2 (13.3)   |           |                          |                       |           |           |
| No information         | 6                     | 2          |           |                          |                       |           |           |
| <b>CD33</b>            |                       |            | 0.029     |                          |                       |           | 0.030     |
| N                      | 29 (93.5)             | 12 (80.0)  |           | N/weak                   | 31 (100.0)            | 12 (80.0) |           |
| Dim                    | 2 (6.5)               | 0 (0.0)    |           |                          |                       |           |           |
| Medium                 | 0 (0.0)               | 3 (20.0)   |           | Strong                   | 0 (0.0)               | 3 (20.0)  |           |
| No information         | 7                     | 2          |           |                          |                       |           |           |

SUPPLEMENTAL TABLE 6. Continued.

| T-ALL          |                |           |                       |                   |                |           |                       |
|----------------|----------------|-----------|-----------------------|-------------------|----------------|-----------|-----------------------|
| Antigens       | FCM-MRD day 15 |           | <i>P</i> <sup>†</sup> | Pooled categories | FCM-MRD day 15 |           | <i>P</i> <sup>†</sup> |
|                | MRD<10%        | MRD≥10%   |                       |                   | MRD<10%        | MRD≥10%   |                       |
|                | n (%)          | n (%)     |                       |                   | n (%)          | n (%)     |                       |
| <b>CD34</b>    |                |           | 0.004                 |                   |                |           |                       |
| <i>N</i>       | 26 (78.8)      | 6 (37.5)  |                       |                   |                |           |                       |
| <i>P</i>       | 7 (21.2)       | 10 (62.5) |                       |                   |                |           |                       |
| No information | 5              | 1         |                       |                   |                |           |                       |
| <b>CD45</b>    |                |           | 0.664                 |                   |                |           | 0.338                 |
| <i>N</i>       | 0 (0.0)        | 0 (0.0)   |                       |                   |                |           |                       |
| <i>Dim</i>     | 1 (2.9)        | 0 (0.0)   |                       | N/weak            | 23 (67.6)      | 8 (53.3)  |                       |
| <i>Medium</i>  | 22 (64.7)      | 8 (53.3)  |                       |                   |                |           |                       |
| <i>Bright</i>  | 11 (32.4)      | 7 (46.7)  |                       | Bright            | 11 (32.4)      | 7 (46.7)  |                       |
| No information | 4              | 2         |                       |                   |                |           |                       |
| <b>CD79a</b>   |                |           | 0.929                 |                   |                |           |                       |
| <i>N</i>       | 14 (37.8)      | 6 (35.3)  |                       |                   |                |           |                       |
| <i>Dim</i>     | 16 (43.2)      | 9 (52.9)  |                       |                   |                |           |                       |
| <i>Medium</i>  | 4 (10.8)       | 1 (5.9)   |                       |                   |                |           |                       |
| <i>Bright</i>  | 3 (8.1)        | 1 (5.9)   |                       |                   |                |           |                       |
| No information | 1              | 0         |                       |                   |                |           |                       |
| <b>TdT</b>     |                |           | 0.216                 |                   |                |           | 0.021                 |
| <i>N</i>       | 3 (7.9)        | 2 (11.8)  |                       |                   |                |           |                       |
| <i>Dim</i>     | 11 (28.9)      | 10 (58.8) |                       | N/weak            | 14 (36.8)      | 12 (70.6) |                       |
| <i>Medium</i>  | 15 (39.5)      | 4 (23.5)  |                       |                   |                |           |                       |
| <i>PP2</i>     | 5 (13.2)       | 1 (5.9)   |                       | Strong            | 24 (63.2)      | 5 (29.4)  |                       |
| <i>Bright</i>  | 4 (10.5)       | 0 (0.0)   |                       |                   |                |           |                       |
| <b>CD117</b>   |                |           | 0.038                 |                   |                |           | 0.020                 |
| <i>N</i>       | 28 (87.5)      | 9 (64.3)  |                       |                   |                |           |                       |
| <i>Dim</i>     | 2 (6.3)        | 0 (0.0)   |                       | N/weak            | 30 (93.8)      | 9 (64.3)  |                       |
| <i>Medium</i>  | 2 (6.3)        | 5 (35.7)  |                       | Strong            | 2 (6.3)        | 5 (35.7)  |                       |
| No information | 6              | 3         |                       |                   |                |           |                       |
| <b>HLA-DR</b>  |                |           | 0.652                 |                   |                |           |                       |
| <i>N</i>       | 25 (89.3)      | 13 (81.3) |                       |                   |                |           |                       |
| <i>P</i>       | 3 (10.7)       | 3 (18.8)  |                       |                   |                |           |                       |
| No information | 10             | 1         |                       |                   |                |           |                       |

\*Abbreviations: FCM – flow cytometry; MRD – minimal residual disease; N – negative; P – positive; PP1 – partially positive in <50% of blasts; PP2 – partially positive in ≥50% of blasts.

<sup>†</sup> $\chi^2$  or Monte Carlo simulated Fisher's exact test comparing patient groups; patients without data or with an inadequate sample were excluded from the test.