ERRATUM

Acute promyelocytic leukemias share cooperative mutations with other myeloid-leukemia subgroups

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Since the publication of this article, the authors have identified an error within Table 2, namely that the AML subgroups listed at the bottom of the table were incorrect.

The correct table is shown here.

The article has also been rectified, and now carries the correct information.

The Publishers apologize for any inconvenience this has caused.

Table 2. Genes with a significantly higher mutation rate in APLs and AMLs

| Mutated Gene | PML-RARA | NPM1* | NK-NPM1 | Complex karyotype | CBFB/ MYH11 | MLL-X | Trisomy 8 | RUNX1/ RUNX1T1 | Other | Total | TCGA * |
|--------------|----------|-------|---------|-------------------|-------------|-------|-----------|---------------|-------|-------|--------|
| FLT3         | 9        | 32    | 9       | 1                 | 3           | 2     | 1         | 1             | 1     | 63    | x      |
| CSMD1        | 3        | 1     | 0       | 1                 | 0           | 0     | 0         | 0             | 1     | 6     | x      |
| WT1          | 3        | 5     | 5       | 0                 | 1           | 1     | 0         | 0             | 2     | 17    | x      |
| DDRT2        | 2        | 0     | 1       | 0                 | 0           | 0     | 0         | 0             | 0     | 3     |        |
| KRA5         | 2        | 3     | 3       | 2                 | 0           | 1     | 0         | 0             | 1     | 11    | x      |
| CALR         | 2        | 0     | 0       | 0                 | 0           | 0     | 0         | 0             | 0     | 2     |        |
| REV3L        | 2        | 0     | 0       | 0                 | 0           | 0     | 0         | 0             | 0     | 2     |        |
| TCEG1L       | 2        | 0     | 0       | 0                 | 0           | 0     | 0         | 0             | 0     | 2     |        |
| FAM56C       | 1        | 2     | 0       | 0                 | 0           | 0     | 0         | 0             | 1     | 5     | x      |
| PHF6         | 1        | 1     | 2       | 1                 | 0           | 0     | 1         | 0             | 0     | 1     | 7      |
| PTENN11      | 1        | 7     | 0       | 2                 | 1           | 0     | 0         | 0             | 0     | 11    | x      |
| ASXL1        | 1        | 0     | 0       | 0                 | 0           | 0     | 2         | 0             | 1     | 6     |        |
| CEBPA        | 0        | 2     | 12      | 1                 | 0           | 0     | 1         | 0             | 3     | 19    | x      |
| DNMT3A       | 0        | 29    | 15      | 3                 | 0           | 0     | 5         | 0             | 4     | 56    | x      |
| EZH2         | 0        | 0     | 1       | 0                 | 0           | 0     | 0         | 0             | 3     | 4     | x      |
| GATA2        | 0        | 1     | 6       | 0                 | 0           | 0     | 0         | 0             | 0     | 7     |        |
| GRIK2        | 0        | 2     | 0       | 0                 | 0           | 1     | 0         | 0             | 0     | 3     |        |
| IDH1         | 0        | 12    | 2       | 1                 | 0           | 0     | 5         | 0             | 3     | 23    | x      |
| IDH2         | 0        | 5     | 8       | 1                 | 0           | 0     | 3         | 0             | 4     | 21    | x      |
| KIT          | 0        | 1     | 0       | 1                 | 3           | 0     | 0         | 2             | 1     | 8     | x      |
| NRRAS        | 0        | 5     | 4       | 2                 | 2           | 1     | 0         | 0             | 2     | 16    | x      |
| PHACTR1      | 0        | 0     | 0       | 1                 | 0           | 0     | 0         | 0             | 2     | 0     |        |
| PLCE1        | 0        | 0     | 1       | 0                 | 0           | 0     | 0         | 0             | 3     | 0     |        |
| RAD21        | 0        | 3     | 1       | 0                 | 0           | 0     | 1         | 0             | 5     | 0     | x      |
| RUNX11       | 0        | 12    | 1       | 0                 | 0           | 0     | 2         | 0             | 7     | 22    | x      |
| SMCTA        | 0        | 4     | 0       | 0                 | 0           | 0     | 1         | 1             | 0     | 7     | x      |
| SMC3         | 0        | 3     | 2       | 1                 | 0           | 0     | 1         | 1             | 0     | 8     | x      |
| STAGA2       | 0        | 3     | 3       | 0                 | 0           | 0     | 0         | 0             | 1     | 7     | x      |
| SUZ12        | 0        | 0     | 1       | 2                 | 0           | 0     | 0         | 0             | 3     | 0     |        |
| TET2         | 0        | 2     | 9       | 1                 | 0           | 0     | 1         | 1             | 4     | 18    | x      |
| TPS3         | 1        | 0     | 1       | 12                | 0           | 0     | 0         | 0             | 2     | 15    | x      |
| USAF1        | 0        | 1     | 2       | 0                 | 0           | 0     | 2         | 0             | 3     | 0     | x      |
| BCO2R        | 0        | 0     | 3       | 0                 | 0           | 0     | 0         | 0             | 0     | 3     |        |
| CHD4         | 0        | 0     | 2       | 0                 | 0           | 0     | 0         | 0             | 0     | 2     |        |
| CTCF         | 0        | 0     | 2       | 0                 | 0           | 0     | 0         | 0             | 0     | 2     |        |
| DDX41        | 0        | 0     | 2       | 0                 | 0           | 0     | 0         | 0             | 0     | 2     |        |
| FAM56B       | 0        | 2     | 0       | 0                 | 0           | 0     | 0         | 0             | 0     | 2     | x      |
| GIGYF2       | 0        | 0     | 0       | 2                 | 0           | 0     | 0         | 0             | 0     | 2     | x      |
| GJUS         | 0        | 0     | 0       | 2                 | 0           | 0     | 0         | 0             | 0     | 2     | x      |
| KDM3B        | 0        | 0     | 0       | 2                 | 0           | 0     | 0         | 0             | 0     | 2     | x      |
| KRT13        | 0        | 2     | 0       | 0                 | 0           | 0     | 0         | 0             | 0     | 2     | x      |
| PCDNA13      | 0        | 0     | 0       | 2                 | 0           | 0     | 0         | 0             | 0     | 2     | x      |
| SCN1A        | 0        | 0     | 0       | 2                 | 0           | 0     | 0         | 0             | 0     | 2     | x      |
| TBX15        | 0        | 2     | 0       | 0                 | 0           | 0     | 0         | 0             | 0     | 2     | x      |
| TECB3B       | 0        | 0     | 2       | 0                 | 0           | 0     | 0         | 0             | 0     | 2     | x      |

*Total number of mutations identified for each mutated gene. **Significantly mutated genes identified by The Cancer Genome Atlas Research network (TCGA).