

## Association of acute myeloid leukemia's most immature phenotype with risk groups and outcomes

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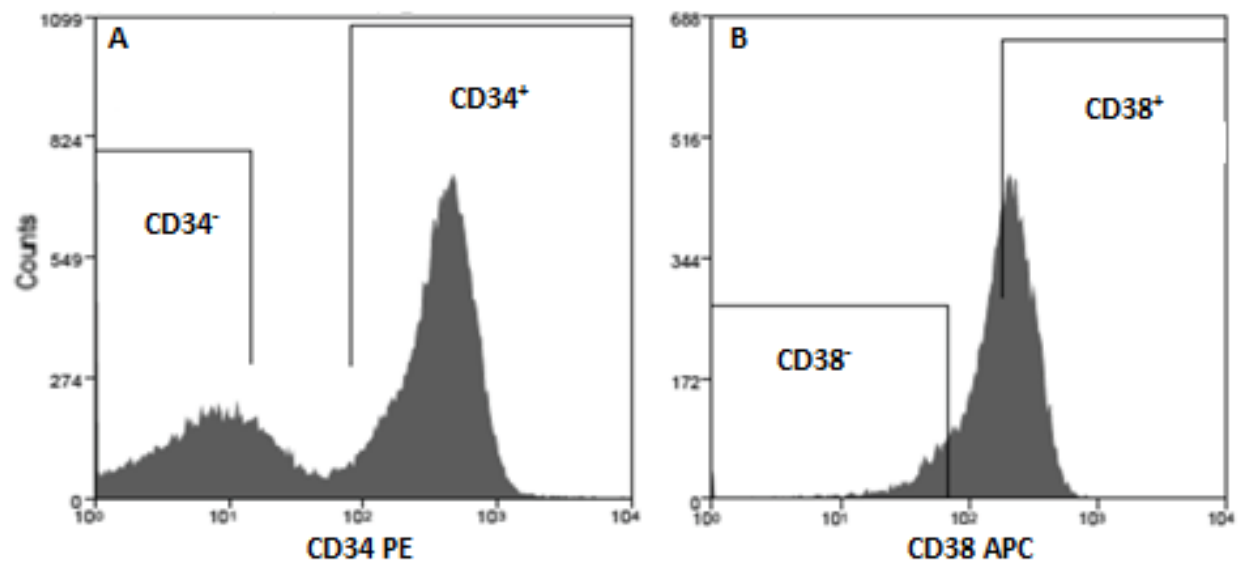
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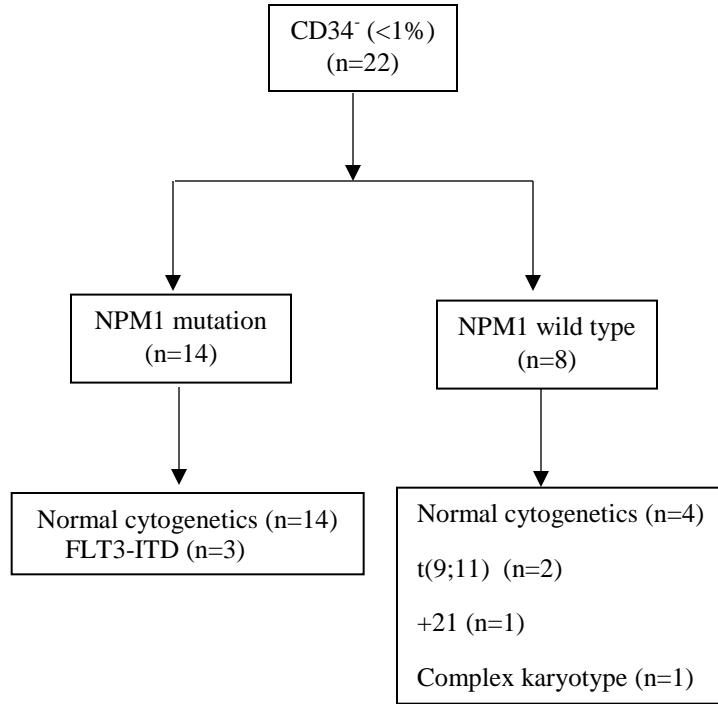
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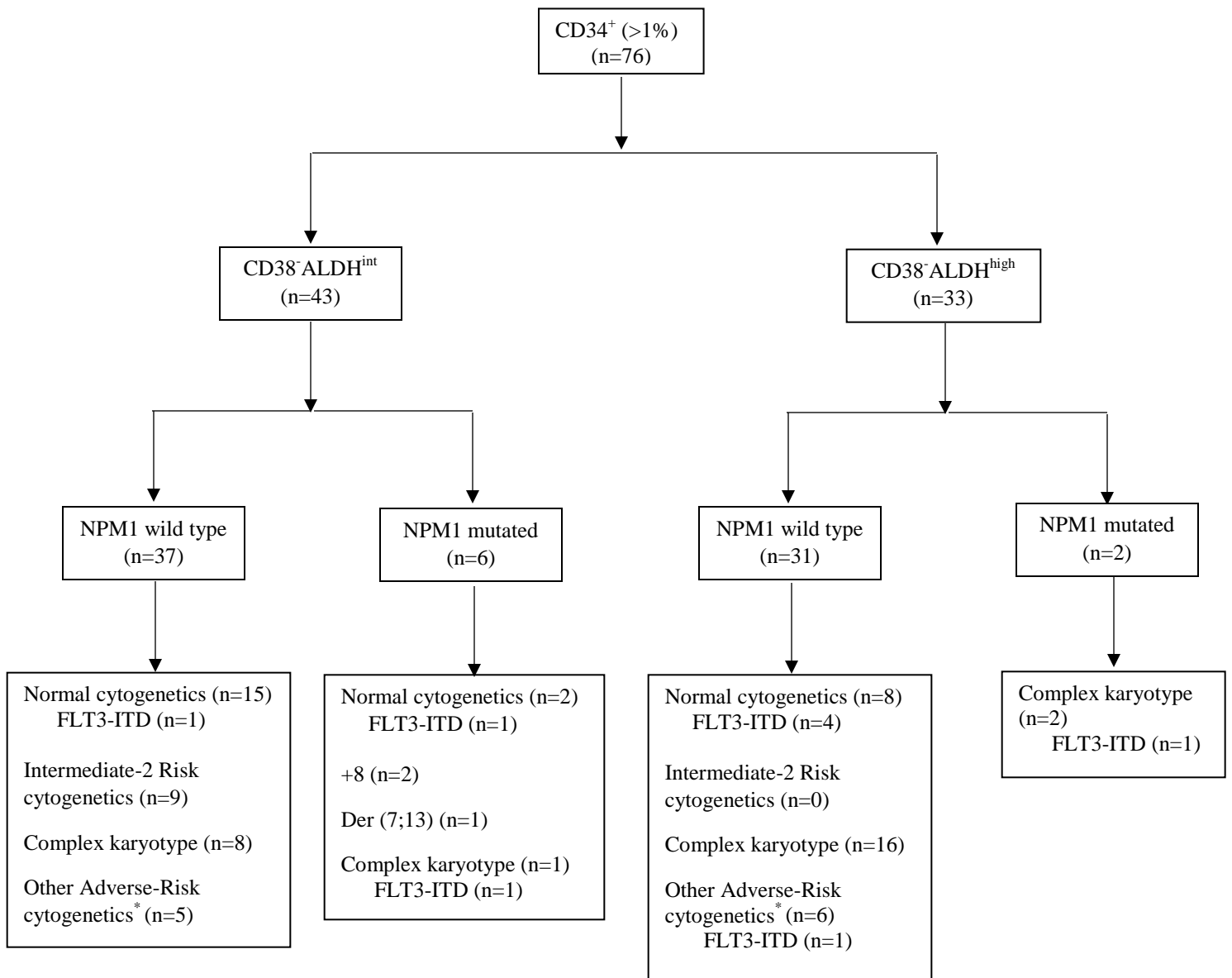
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**Supplementary Figure 1. Representative CD34 and CD38 staining profiles and gating strategies.** A newly diagnosed AML gated for A) CD34 and B) CD38 on the CD34<sup>+</sup> gated cells. CD38 gating was based on negative antibody control and yielded 9.6% of the CD34<sup>+</sup> cells.



**Supplementary Figure 2A.** Diagram of cytogenetic /molecular characteristics for AMLs on clinical trial NCT01349972 with < 1% CD34<sup>+</sup> cells in the diagnostic bone marrow.



\* Other Adverse-risk cytogenetics refers to patients with adverse-risk cytogenetics based on European LeukemiaNet Criteria but without complex karyotype.

**Supplementary Figure 2B.** Diagram of cytogenetic /molecular characteristics for AMLs on clinical trial NCT01349972 with > 1% CD34<sup>+</sup> cells in the diagnostic bone marrow. The ALDH<sup>high</sup> group includes 7 patients with dual ALDH<sup>int</sup> and ALDH<sup>high</sup> populations.