Use case: leukemia signatures (Den Boer, 2009)

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Analyse Statistique des données Génomiques (ASG)

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## Identification of signatures for subtypes of leukemia

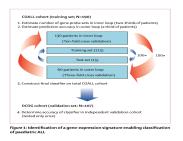
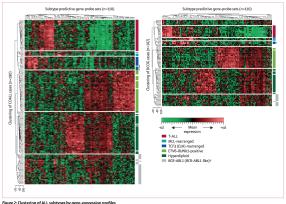


Figure 1: Figure 1 from Den Boer et al. (2009).

## Hierarchical clustering of genes and samples



Injury 2. Contening of course year by generous soon promes Hierarchical distanting of patients from the COAL (left) and COO (right) studies with 110 gene-probe sets selected to classify paediatric ALL. Heat map shows which gene-probe sets are overexpressed (in red) and which gene-probe sets are underexpressed (in gene) relative to mean expression of all gene-probe sets (see scale bar). "Patients with EA-rearmaned subcine (EG-25% postive roll). Right column of redy bar denotes EQ-ABL! like cases.

Figure 2: Figure 2 from Den Boer et al. (2009).

## **Survival curves**

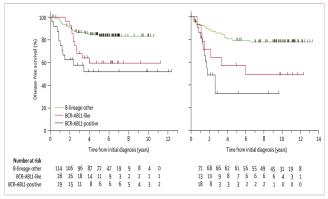


Figure 3: Caplan-Meier estimates for the probability of disease. Fire survival (pDFS) in children with precursor B-ALL

The COALL precursor B-ALL cohort (left) comprised 145 patients from COALL-92/97 and nine from DCOA ALJ-9 treated at Sophia Children's Hospital. As reference,
data for 22 patients with BCR-ABL1-positive disease enrolled in the COALL-92/97 protocol were included. Univariate analysis of pDFS comparing 30 BCR-ABL1-like
with 119 remaining precursor B-ALL cases (excluding five BCR-ABL1-positive case) protocol were included. The DCOS precursor B-ALL cohort (right) comparing 20 Children from DCOG-ALB. As reference, data for 25 BCR-ABL1-positive cases enrolled in DCOG-ALL7. 8,
and were included. Univariate analysis of pDFS comparing 140 RCR-ABL1-like enrolled.

The DCOS precursor B-ALL cohort (right) comprise 20 children from DCOG-ALB. As reference, data for 25 BCR-ABL1-positive cases enrolled in DCOG-ALL7. 8,
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Figure 3: Figure 3 from Den Boer et al. (2009).