An early thymic precursor phenotype predicts negative outcome exclusively in HOXA-overexpressing adult T-cell Acute Lymphoblastic Leukemia

209 adult T-cell acute lymphoblastic leukemia patients
Group for Research on Adult Acute Lymphoblastic Leukemia (GRAALL)-2003 and -2005 studies

- Gene expression profile
  - 154 HOXA9 negative
  - 55 HOXA9 positive

- Chemoresistance
  - 40.8% (p=0.026)
  - 59.3%

- Positive minimal residual disease
  - 23.5% (p=0.01)
  - 48.5%

- Early thymic precursor-like immunophenotype
  - 14.5% (p=0.0004)
  - 40.8%

- 5-year Overall survival
  - HOXA9 negative ETP-like negative: 57.2% (p=0.44)
  - HOXA9 negative ETP-like positive: 74.2%
  - HOXA9 positive ETP-like negative: 66.7%
  - HOXA9 positive ETP-like positive: 31.2% (p=0.03)

Bond et al., Haematologica, 2016