Leukaemia Section
Short Communication

**t(11;15)(q23;q14)**

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**Identity**

t(11;15)(q23;q14) (R-banding) - Christiane Charrin.

**Clinics and pathology**

**Disease**

Only 1 case with the ascertainment of AF15q14 involvement; a the very few other cases may or may not carry the same rearrangement.

**Phenotype/cell stem origin**

M4 ANLL in the AF15q14 case.

**Clinics**

A 48 year old man with previous history of toxic exposure who died 4 mths after diagnosis.

**Cytogenetics**

**Additional anomalies**

+ mar.

**Genes involved and proteins**

**MLL**

**Location**

11q23

**DNA/RNA**

21 exons, spanning over 100 kb; 13-15 kb mRNA.

**Protein**

3969 amino acids; 431 KDa; contains two DNA binding motifs: a AT hook homologous to high mobility group proteins HMGI-(Y) and HMGI(C) that binds to the minor groove of DNA, and zinc fingers, a DNA methyl transferase motif, a bromodomain, and segments of homology with trithorax, in particular in the C-terminal SET domain.

**AF15q14**

**Location**

15q14

**DNA/RNA**

At least 10 exons; spans more than 35 kb.

**Protein**

1833 amino acids; 206 kDa; nuclear localization domain in the c-term.

**References**


This article should be referenced as such: