

Leukaemia Section

Mini Review

t(12;17)(p13;q11)

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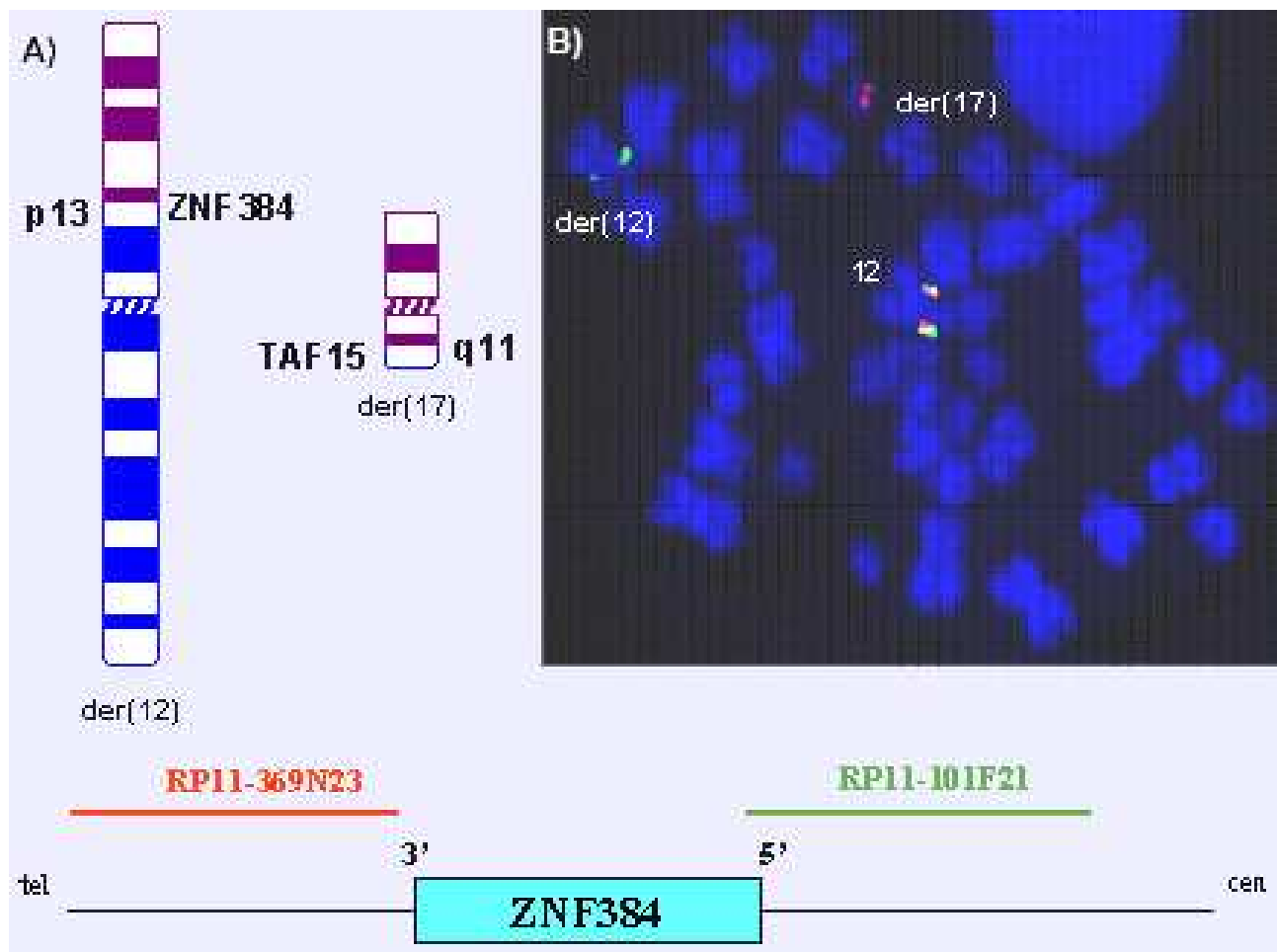
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Identity



A) Schematic representation of the reciprocal t(12;17)(p13;q11) translocation;
B) Break-a-part FISH: RP11-369N23 maps telomeric to the 3' ZNF384 while RP11-101F21 partially overlaps with the 5' end of ZNF384 (RP11 clones belong to the Peter De Jong library and were kindly provided by M Rocchi).



Schematic representation of the TAF15-ZNF384 fusion protein. SYQG, Ser-Tyr-Gln-Gly transactivating domain; RGG, Arg-Gly-Gly rich region, (RNA binding domain); LZ, leucine-rich domain; SR, serine rich domain; PR, Proline rich domain; NLS, Nuclear Localization signal; ZFs, Kruppel-type C2H2 zinc finger domains QA: Gln-Ala repeat (see also Martini et al., 2002).

Genes involved and Proteins

ZNF384 (Zinc Finger protein 384)

Location: 12p13.31

Protein

Belongs to the Kruppel C2H2-type zinc-finger protein family; contains 8 C2H2-type zinc fingers. Nucleocytoplasmic shuttling protein and transcription factor.

TAF15

Location: 17q12

Results of the chromosomal anomaly

Hybrid gene

Description

5' TAF15 - 3' ZNF384

Fusion protein

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