

t(3;5)(q26;q34)

Clinics and Pathology

Disease	Acute myeloid leukaemia (AML)
Epidemiology	Only two cases to date, a 48 year old female patient and a male patient of unknown age, both with M2 AML
Prognosis	No data

Cytogenetics

Cytogenetics	Sole anomaly in both cases
Morphological	

Genes involved and Proteins

Note The partner of EVI1 is yet unknown.

Gene Name [EVI1](#)

Location 3q26.2

Protein Transcription factor; EVI1 targets include: GATA2, [ZBTB16 /PLZF](#), ZFPM2/FOG2, [JNK](#) and the PI3K/AKT pathway. Role in cell cycle progression, likely to be cell-type dependant; antiapoptotic factor; involved in neuronal development organogenesis; role in hematopoietic differnsntiation

External links

Other database [t\(3;5\)\(q26;q34\)](#) [Mitelman database \(CGAP - NCBI\)](#)

Other database [t\(3;5\)\(q26;q34\)](#) [CancerChromosomes \(NCBI\)](#)

To be noted

Additional cases are needed to delineate the epidemiology of this rare entity: **you are welcome to submit a paper to our new [Case Report](#) section.**

Bibliography

Cytogenetic analysis in 139 Tunisian patients with de novo acute myeloid leukemia.

Sendi HS, Elghezal H, Temmi H, Hichri H, Gribaa M, Elomri H, Meddeb B, Ben Othmane T, Elloumi M, Saad A

Annales de genetique. 2002 ; 45 (1) : 29-32.

PMID [11934387](#)

EVI1 is consistently expressed as principal transcript in common and rare recurrent 3q26 rearrangements.

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Genes, chromosomes & cancer. 2006 ; 45 (4) : 349-356.

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The oncogene and developmental regulator EVI1: expression, biochemical properties, and biological functions.

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Gene. 2007 ; 396 (2) : 346-357.

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