Beta-thalassemia

with near normal Hb F

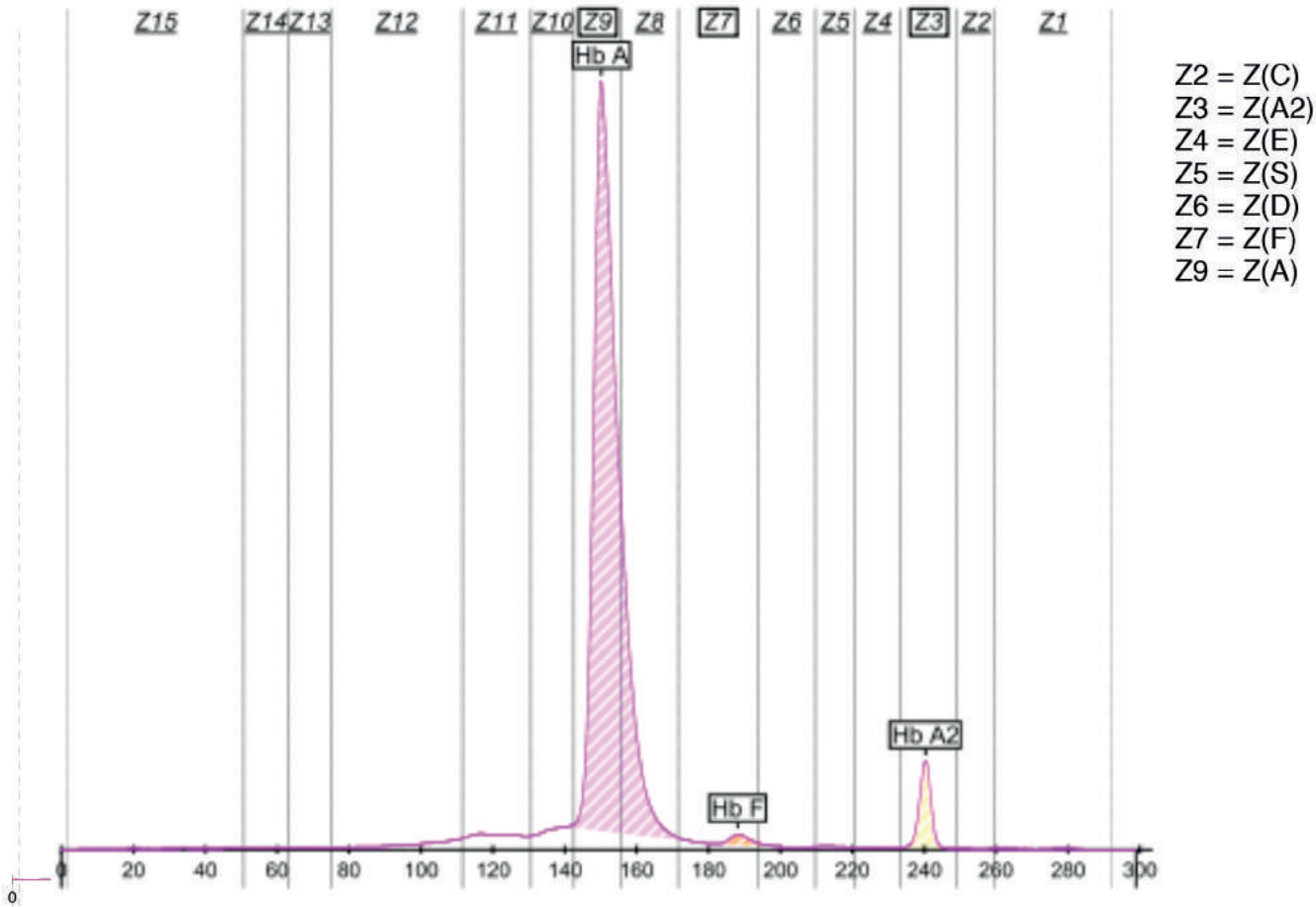
Globin chain(s) involved: **Beta**

Status: **Heterozygous**

Migration in zone(s): **Z(A) (=Z9), Z(F) (=Z7) and Z(A2) (=Z3)**

Migration in position(s): **150 and 243**

Peak position may vary +/- 1



Capillary Electrophoresis

Fractions	Value %
Hb A	93,8
Hb F	1,1
Hb A2	5,1

Comments on this profile: Hb A2 elevation is compatible with Beta-thalassemia trait. Hb F elevation is minimal, probably not associated with gamma gene polymorphism and erythropoietic stress.

Confirmed by amino acid or DNA sequencing

Profile generated with Phoresis Software release < 6.50

Beta-thalassemia

with slightly elevated Hb F

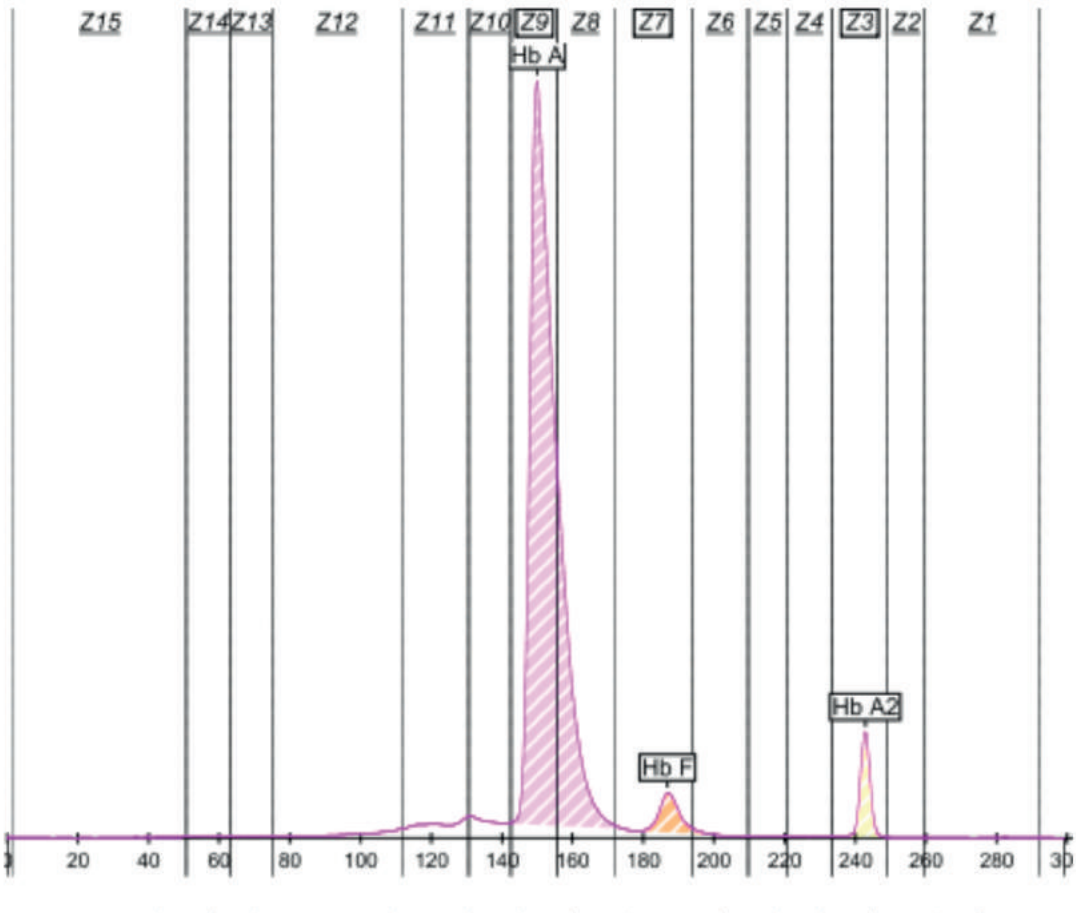
Globin chain(s) involved: **Beta**

Status: **Heterozygous**

Migration in zone(s): **Z(A) (=Z9), Z(F) (=Z7) and Z(A2) (=Z3)**

Migration in position(s): **150 and 243**

Peak position may vary +/- 1



Capillary Electrophoresis

Fractions	Value %
Hb A	91,4
Hb F	3,8
Hb A2	4,8

Comments on this profile: Hb A2 elevation is compatible with Beta-thalassemia trait. Hb F elevation is probably associated with gamma gene polymorphism and erythropoietic stress.

Confirmed by amino acid or DNA sequencing

Profile generated with Phoresis Software release < 6.50

Beta-thalassemia

with variably elevated Hb F

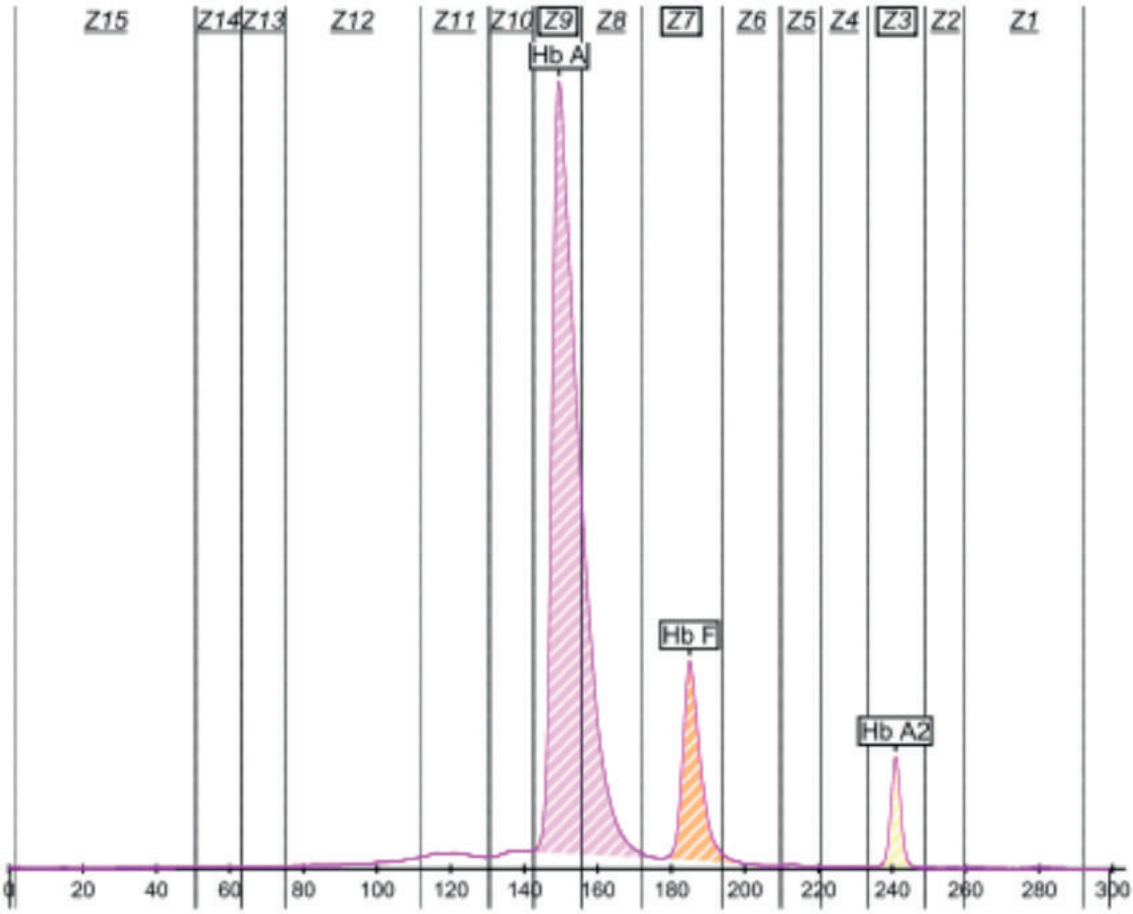
Globin chain(s) involved: **Beta**

Status: **Heterozygous**

Migration in zone(s): **Z(A) (=Z9), Z(F) (=Z7) and Z(A2) (=Z3)**

Migration in position(s): **150 and 243**

Peak position may vary +/- 1



Z2 = Z(C)
Z3 = Z(A2)
Z4 = Z(E)
Z5 = Z(S)
Z6 = Z(D)
Z7 = Z(F)
Z9 = Z(A)

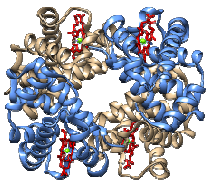
Capillary Electrophoresis

Fractions	Value %
Hb A	82,0
Hb F	13,7
Hb A2	4,3

Comments on this profile: Hb A2 elevation is compatible with Beta-thalassemia trait. Hb F elevation is probably associated with gamma gene polymorphism and erythropoietic stress.

Confirmed by amino acid or DNA sequencing

Profile generated with Phoresis Software release < 6.50



Beta-thalassemia
with presence of elevated Hb F

Mutation data

Status:	Heterozygous
Beta-thalassemia	
Mutation	One of the many described Beta gene defects reported on http://globin.cse.psu.edu/hbvar/menu.html
Nomenclature	
In combination with:	
Mutation	
Nomenclature	

Comments:

Hematology

Hematological parameters	**Results**
RBC	Normal or elevated
Hemoglobin	Low
Hematocrit	Low
MCV	Low

Hematological parameters	**Results**
MCH	Low
Blood smear	Thalassemic smear.
Serum iron and ferritin	Normal or elevated ferritin

Comments on hematology:	Microcytic, hypochromic, eventually elevated RBC counts.

Other information

Clinical context:	
Clinical presentation	Mild chronic anemia symptoms
Genetic risk	Severe risk in combination with Beta-thalassemia, Hb S, Hb E, Hb Lepore and other less common hemoglobin variants
Advice	Partner and family analysis
About this variant:	
Stability	
Oxygen affinity	
Found in	All ethnic groups from tropic and sub-tropic origin

Comments:

References: -