

Figure 1 is a complex pedigree chart illustrating the inheritance of the 14F polymorphism across 22 generations (R1 to R22). The chart is divided into two main branches, 3E and 5E, with various sub-branches and marriages indicated by horizontal lines. The 14F polymorphism is tracked through the generations, with specific individuals marked as carriers or affected.

Legend:

- Red border:** Affected individual
- Diagonal line:** Deceased individual
- Dashed box:** Individual with unknown status
- Black box:** Individual with known status
- Red box:** Individual with 14F polymorphism
- Black box:** Individual with 14F polymorphism

Key Individuals and Relationships:

- Generation R1:** IKHARBOUCHEN SAID-ALG-ALGERIE (affected, red box) and ABDELAH Yacine-ALG-ALGERIE (affected, red box).
- Generation R2:** IKHARBOUCHEN SAID-ALG-ALGERIE (affected, red box) and SLAL AYMEN-ALG-ALGERIE (affected, red box).
- Generation R3:** SLAL AYMEN-ALG-ALGERIE (affected, red box) and ABDELAH Yacine-ALG-ALGERIE (affected, red box).
- Generation R4:** ABDELAH Yacine-ALG-ALGERIE (affected, red box) and ABDELAH Yacine-ALG-ALGERIE (affected, red box).
- Generation R5:** RAHALI WASSIM-TUN-TUNISIE (affected, red box) and NOURI OMAR-TUN-TUNISIE (affected, red box).
- Generation R6:** RAHALI WASSIM-TUN-TUNISIE (affected, red box) and AGLI Lahcene-ALG-ALGERIE (affected, red box).
- Generation R7:** AGLI Lahcene-ALG-ALGERIE (affected, red box) and ABDELAH Djamel-ALG-ALGERIE (affected, red box).
- Generation R8:** ABDELAH Djamel-ALG-ALGERIE (affected, red box) and ABDELAH Djamel-ALG-ALGERIE (affected, red box).
- Generation R9:** ABDELAH Djamel-ALG-ALGERIE (affected, red box) and ABDELAH Djamel-ALG-ALGERIE (affected, red box).
- Generation R10:** ABDELAH Djamel-ALG-ALGERIE (affected, red box) and ABDELAH Djamel-ALG-ALGERIE (affected, red box).
- Generation R11:** SLAL AYMEN-ALG-ALGERIE (affected, red box) and ABDELAH Yacine-ALG-ALGERIE (affected, red box).
- Generation R12:** ABDELAH Yacine-ALG-ALGERIE (affected, red box) and NOURI OMAR-TUN-TUNISIE (affected, red box).
- Generation R13:** IKHARBOUCHEN SAID-ALG-ALGERIE (affected, red box) and SLAL AYMEN-ALG-ALGERIE (affected, red box).
- Generation R14:** IKHARBOUCHEN SAID-ALG-ALGERIE (affected, red box) and SLAL AYMEN-ALG-ALGERIE (affected, red box).
- Generation R15:** RAHALI WASSIM-TUN-TUNISIE (affected, red box) and AGLI Lahcene-ALG-ALGERIE (affected, red box).
- Generation R16:** AGLI Lahcene-ALG-ALGERIE (affected, red box) and ABDELAH Djamel-ALG-ALGERIE (affected, red box).
- Generation R17:** SLAL AYMEN-ALG-ALGERIE (affected, red box) and ABDELAH Yacine-ALG-ALGERIE (affected, red box).
- Generation R18:** ABDELAH Yacine-ALG-ALGERIE (affected, red box) and ABDELAH Yacine-ALG-ALGERIE (affected, red box).
- Generation R19:** AGLI Lahcene-ALG-ALGERIE (affected, red box) and ABDELAH Djamel-ALG-ALGERIE (affected, red box).
- Generation R20:** ABDELAH Djamel-ALG-ALGERIE (affected, red box) and ABDELAH Djamel-ALG-ALGERIE (affected, red box).
- Generation R21:** NOURI OMAR-TUN-TUNISIE (affected, red box) and NOURI OMAR-TUN-TUNISIE (affected, red box).
- Generation R22:** DZIRI OMAR-ALG-ALGERIE (affected, red box) and DZIRI OMAR-ALG-ALGERIE (affected, red box).