



## AFRICAN ANCESTRY

March 12, 2010

Mr. Wallace L. Dillon, Jr.  
7644 Carter Creek Cove  
Memphis, TN 38125-5046

Dear Mr. Dillon,

It is with pleasure that I report that our PatriClan™ analysis successfully identified your paternal genetic ancestry. The Y chromosome DNA that we determined from your sample has **European** ancestry. We found markers similar to yours among people living in **Spain**.

We studied polymorphisms (different forms of DNA) on the non-recombining portion of your Y chromosome (NRY). This segment of DNA is transmitted identically from father to son. A panel of nine genetic markers (also called polymorphisms) on the NRY was analyzed using standard Polymerase Chain Reaction (PCR) methodology. The polymorphisms we examined consisted of the slowly evolving ALU insertion/deletion polymorphism; and 8 highly mutable microsatellites or short tandem repeats (STRs). Differences in Y chromosome markers correlate highly with the ethnic and geographic origin of the individual. When compared to Y chromosome markers in large databases such as our African Lineage Database (ALD), Y chromosomes collected from individuals like you could be interpreted as genealogies reflecting the paternal lineage history of the human species. Although the informative stretches of genetic information along the Y chromosome represents less than one percent of your entire genetic make-up, it has proven to be a powerful tool for identifying and defining paternal lineages.

This result means that you have inherited through your father a segment of DNA that was passed on consistently from father to son to you. This segment of DNA is presently found in Europe. We have enclosed materials that reflect the results of your analysis. There is a copy of your Y chromosome polymorphisms. We have also included a Certificate of Ancestry authenticating that your polymorphisms matched with people living in Spain. You can display it among other important family documents.

We understand that this information may be difficult to accept, especially if you are not aware of any European men on your paternal line. It is important to realize that this analysis does not mean that you are not African American. Nor does it mean that you don't have *any* African ancestry on your father's side. It just means that there was a European male at some point on your paternal line, which is only one branch of your family tree. In fact, we find this result for 35% of the paternal lineages that we trace.



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There is a much higher incidence of African ancestry among African American *maternal* lineages. Therefore, we can trace your father's maternal lineage using our MatriClan™ Test and are likely to find African ancestry. Or, we can trace your maternal lineage and will probably find African ancestry.

Please let us know if you have any questions. Thank you for your interest in African Ancestry.

Sincerely,

Gina Paige  
President

Re: Customer ID# 1012367