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INSIGHTS INTO ANCIENT EGYPTIAN GENOMES IN THE FIRST MILLENNIUM BC

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Egypt provides a privileged location to study historical population dynamics as it is at the crossroads between the ancient civilizations in Africa, Asia, and Europe. In the first millennium BC, ancient Egypt witnessed foreign domination by the neighboring populations including Libyans, Nubians, Assyrians, Greeks, Romans, and others, whose roles vary from trade exchange to invasion and rule. Despite being potential to addressing questions on the population's demographic, retrieval of ancient DNA from the Egyptian mummies has greatly been challenged by the presence of contamination. Here we report a preliminary, rigorously tested genome-wide dataset from mummies using high-throughput DNA sequencing and targeted capture techniques. The individuals in our study are recovered from Upper and Lower Egypt sites and spanning around 900 years of ancient Egyptian history, from the Third Intermediate to the Roman period. Our study aims to characterize the major ancestry components for ancient Egyptians and to explore the genetic continuation and admixture through times and regions.

Keywords

Egyptian Mummies, Ancient DNA, Population Genomics

Note/comment