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In Ancient DNA: Methods and
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field describe many of the protocols
that are now commonly used to study
ancient DNA. These include
instructions for setting up an ancient
DNA laboratory, extraction protocols
for a wide range of different
substrates, details of laboratory
techniques including PCR and NGS
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for appropriate analytical approaches
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In Ancient DNA: Methods and Protocols expert researchers in the field describe many of the protocols that are now commonly used to study ancient DNA. These include instructions for setting up an ancient DNA laboratory, extraction protocols for a wide range of different

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substrates, details of laboratory techniques including PCR and NGS library preparation, and suggestions for appropriate analytical approaches to make sense of the sequences obtained.

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extraction protocols, laboratory techniques, and suggestions for appropriate analytical approaches to make sense of the sequences obtained.

Ancient DNA: Methods and Protocols
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In Ancient DNA: Methods and Protocols expert researchers in the field describe many of the protocols that are now commonly used to study ancient DNA. These include instructions for setting up an ancient DNA laboratory, extraction protocols for a wide range of different substrates, details of laboratory techniques including PCR and NGS library preparation, and suggestions for appropriate analytical approaches to make sense of the sequences obtained.

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In Ancient DNA: Methods and Protocols expert researchers in the field describe many of the protocols that are now commonly used to study ancient DNA. These include instructions for setting up an ancient DNA laboratory, extraction protocols for a wide range of different substrates, details of laboratory techniques including PCR and NGS library preparation, and suggestions for appropriate ...

Ancient DNA | SpringerLink
Abstract. Whereas the analysis of ancient DNA (aDNA) has become an increasingly popular mode of investigation in both archaeological and evolutionary studies, this

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approach is complicated by the degraded nature of ancient nucleic acids, the presence of enzymatic inhibitors in aDNA extracts, as well as the risk of contamination during either excavation or manipulation of samples.

Methods for the Study of Ancient DNA
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University, adhering to strict ancient
DNA protocols at all stages. We cut
each toe pad tissue into small pieces

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and isolated DNA using two different methods. First, we used the Qiagen DNeasy

Chapter 4

In this case study chapter, we describe the use of both a commercial DNA extraction method and a silica-based method to extract ancient DNA from desiccated toe pads from the extinct passenger pigeon, *Ectopistes migratorius*. Successful amplification of nuclear DNA was achieved from both methods, representing the first nuclear DNA sequence recovered from this extinct species.

Case Study: Recovery of Ancient Nuclear DNA from Toe Pads ...

Ancient DNA (aDNA) is DNA isolated from ancient specimens. Due to degradation processes (including

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cross-linking, deamination and fragmentation) ancient DNA is more degraded in comparison with contemporary genetic material. Even under the best preservation conditions, there is an upper boundary of 0.4–1.5 million years for a sample to contain sufficient DNA for sequencing technologies.

Ancient DNA - Wikipedia

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methods in molecular biology Sep 03,
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