

Introduction

- The Lion Localizer maps localities from which mitochondrial DNA sequences have been reported for lions, *Panthera leo*, using mitochondrial (mt) DNA sequences reported in the literature.
- The Lion Localizer uses mtDNA sequences from the Cytochrome B region. Please enter the sequence into the box below (see trimming protocol [here](#)). The query is compared to geo-referenced lion sequences previously reported in the scientific literature.

Input Sequences

Enter a CytB sequence that is appropriately trimmed (see trimming protocol [here](#)), ensuring it runs in the correct direction (5'-3').

Or select an existing sequence for demonstration:

Citation

The citation for this software is pending. Citations for the source of geographic reference sequences are listed in the [FAQs](#) and with localizer output results.

Additional Information

Protocols: DNA from blood, tissue or faecal samples may be extracted using commercially available DNA extraction kits. We have provided a [protocol](#) for amplification and Sanger sequencing of the fragment of DNA required for a query to the Lion Localizer, and an important protocol on [trimming](#) the sequences for use as a query. Alternative protocols can be for each of these steps as long as the correct sequence is amplified.

Papers by other authors that were the source of sequences are listed in the FAQs.

Disclaimer: The Lion Localizer web site is provided as a service to the public. We are not responsible for, and expressly disclaim all liability for, damages of any kind arising out of use, reference to, or reliance on any information contained within the site. While the information contained within the site may be periodically updated, no guarantee is given that the information provided in this web site is correct, complete, and up-to-date. For any links providing direct access to other Internet resources, including Web sites, we are not responsible for the accuracy or content of information contained in those sites. Links or mentions do not constitute an endorsement of the parties or their products and services.