Table 1. BLAST sequence similarities for the 3 top ranked species as well as the highest ranked cougar sequence, where n is the number of individual sequences for a given species.

	n	% similarity
Bobcat (*Lynx rufus*)	5	99
Canadian lynx (*Lynx canadensis*)	1	90
Eurasian lynx (*Lynx lynx*)	1	91
Cougar (*Felis concolor*)	1	87

Discussion:

The results of the BLAST query show that the bone sample is likely from a bobcat (*Lynx rufus*).

Literature Cited:

Branicki, W., T. Kupiec, and R. Pawlowski. 2003. Validation of cytochrome b sequence analysis as a method of species identification. Journal of Forensic Science 48: 83-87.

Parson, W., K. Pegoraro, N. Niederstätter, and M. Föger. 2000. Species identification by means of the cytochrome b gene. International Journal of Legal Medicine 114: 23-28.

Cost:

Extractions	$10.92
PCR	$10.22
Cycle Sequencing Reaction	$38.64
Sequencing on ABI	$60.58
Labor	$250.00
Total	**$370.35**

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