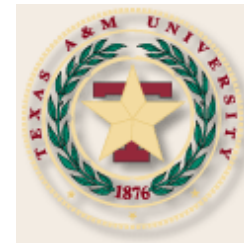




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SEQUENCE ANALYSIS REPORT

May 8, 2009

Re: ATCC_12453, 500-bp sequence

A 500-bp 16S rDNA fragment was sequenced from the sample received from Dr. Natalie Halbert on 05/06/09. The tube in which the DNA arrived was labeled "ATCC 12453".

The sequence was compared against the MicroSeq library (Applied Biosystems) and GenBank, and the top 5 matches to each of these libraries are provided below.

MicroSeq Result	% Identity	GenBank Result	% Identity
<i>Proteus mirabilis</i>	100.0	<i>Proteus mirabilis</i>	99.0
<i>Proteus penneri</i>	98.61	<i>Proteus vulgaris</i>	98.0
<i>Proteus vulgaris</i>	97.9	<i>Proteus penneri</i>	98.0
<i>Proteus myxofaciens</i>	97.75		
<i>Proteus hauseri</i>	97.57		

For bacterial species identification, a minimum of 99% sequence identity is generally recommended. The top match produced by MicroSeq and GenBank meets this criterion for this sample. Based on these results, we suspect this sample is *Proteus mirabilis*.