

COI Species Report



Cell line: CHO-K1

ACC-No.: 110

Date of analysis: 23.10.2014

DNA processing number: 10051

Method: DNA Barcoding by PCR amplification of 5' coding region of cytochrome c oxidase I (658 bp fragment size). Cycle sequencing of respective PCR products revealed following assignment upon submission to BOLD (Ratnasingham, S., Hebert, P. D. N. (2007) BOLD: The Barcode of Life Data System (www.Barcodinglife.org). Molecular Ecology Notes, 2007; 7(3): 355-364

Primer:

1x LepF1_t1: ATT TAG GTG ACA CTA TAG ATT CAA CCA ATC ATA AAG ATA TTG G

1x VF1_t1: ATT TAG GTG ACA CTA TAG TCT CAA CCA ACC ACA AAG ACA TTG G

1x VF1d_t1: ATT TAG GTG ACA CTA TAG TCT CAA CCA ACC ACA ARG AYA TYG G

3x VF1i_t1: ATT TAG GTG ACA CTA TAG TCT CAA CCA ACC ANA ANG ANA TNG G

1x LepR1_t1: TAA TAC GAC TCA CTA TAG GGT AAA CTT CTG GAT GTC CAA AAA ATC A

1x VR1d_t1: TAA TAC GAC TCA CTA TAG GGT AGA CTT CTG GGT GGC CRA ARA AYC A

1x VR1_t1: TAA TAC GAC TCA CTA TAG GGT AGA CTT CTG GGT GGC CAA AGA ATC A

3x VR1i_t1: TAA TAC GAC TCA CTA TAG GGT AGA CTT CTG GGT GNC CNA ANA ANC A

Sequence:

5`-GACGAAGMGTTCCGGSMTCTTATACYTWACTATTTGGTGCTTGAGCWGGWATAGTAGGAAC
YGCCYTWAGCMTWYTAATTCGMGCSGAACCTGGCCAACCMGGARCTYACTWGGAGATGA
YCAAATYTAYAACGTAATTGTWACMGCMCATGCATTYGTWATAATTTTCTTCATAGTAAT
RCCTATWATAATYGGTGGRTTYGGSAAATTGAYTAGTWCCTYTRATAATYGGAGCYCCWGA
TATAGCATTTCWYGKATAAATAACATAAGCTTYTGAYTWYTWCCCCWTCWTTCCTRTT
ACTMCTAGCMTCTATRGTWGAGGCMGGWGCAGGAACAGGWTGAACMGTWTACCCTCC



WTTAGCAGGMAACCTAGCCCATGCAGGAGCTTCRGTAGATCTWACTATYTTCTCACTACA
TYTRGCTGGTGTSTCYTCAATYCTWGGAGCTATTAATTTTATTACMACWATTATTAATAT
AAAACCCCCWGCYRTKWCACARTATCAAACACCATTTTTYGTWTGATCTGTWCTAATTAC
TGCTGTRCTATTACTTTTATCWCTWCCTGTTYTAGCWGCWGGTATTACTATRCTACTTAC
AGATCGGAACCTAAATACAACATTCTTTGAYCCTGCAGGTGGTGGAGATCCTATCTTATA
TCAACACCTATTCTGATTTTTTGGMCAYCCAGAAGTYACCCTATAGTGAGCGTTWWTWA
AATAATGKGWTTGGATMMYTGCCGTACTACTCCATCWTCACTTCCGTATTAACACCTGGC
ATAACAATAATAACACAACKAAACCTARACACRCCTTCTTTGGASCCAASWGGAKGAG
GAGAACCMTWTCTWTATAGTCARCMSCTYATTWCTGATTTYTGACGACAAAGAAGATTTA-3`
Taxonomic Level Taxon Assignment Probability of Placement (%)
Phylum Chordata 100
Class Mammalia 100
Order Rodentia 100
Family Cricetidae 100
Genus Cricetulus 100
Species Cricetulus barabensis 99.08

Identification Summary:

Search Result: The submitted sequence has been matched to **Cricetulus barabensis**. This identification is solid unless there is a very closely allied congeneric species that has not yet been analyzed. Such cases are rare.