

# COI Species Report

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**Cell line:** C2C12

**ACC-No.:** 565

**Date of analysis:** 13.10.2014

**DNA processing number:**

**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](http://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'-CAACGTCTTTTAAGTTTRGGGGGGTGGAAATMKGGGTYCTKTWTTTTGTGMCAGTGACT  
TTCTCTTATKCTTCTATWTTTTATGTGTATTARKGTSAAKTA AAAAYTTATAACAGATAA  
GTGGCATARGAKTAAACWTGAAAATTGTTTTTCTCCTAAAAATGCTCCATGTGAMCSAT  
TGTTSTTTGATTAAATTSKTAGGTTGTTACCCMGATCGCCCCCGGTTCCCCMTCTCS  
YTTTATTTCCAGGTCAWWTTTTTTRTRTTTTWKRAGCACACTATAGTCTCAACCARYCA  
YAARGAYATTGGAACCCTCTATCTACTATTCCGGAGCCTGAGCGGGAATAGTGGGTACTGC



MCTAAGTATTTTAATTTCGAGCAGAATTAGGTCAACCAGGTGCACTTTTAGGAGATGACCA  
AATTTACAATGTTATCGTAACTGCCCATGCTTTTGTATAATTTTCTTCATAGTAATACC  
ATAATAATTGGAGGCTTTGGAACTGACTTGTCCCACTAATAATCGGAGCCCCAGATAT  
AGCATTCCCACGAATAATAATATAAGTTTTTACTCCTACCACCATCATTCTCCTTCT  
CCTAGCATCATCAATAGTAGAAGCAGGAGCAGGAACAGGATGAACAGTCTACCCACCTCT  
AGCCGGAAATCTAGCCCATGCAGGAGCATCAGTAGACCTAACAATTTTCTCCCTTCATTT  
AGCTGGAGTGTTCATCTATTTTAGGTGCAATTAATTTTATTACCACTATTATCAACATGAA  
ACCCCCAGCCATAACACAGTATCAAACCTCCACTATTTGTCTGATCCGTACTTATTACAGC  
CGTACTGCTCCTATTATCACTACCAGTGCTAGCCGCAGGCATTACTATACTACTAACAGA  
CCGCAACCTAAACACAACCTTTTCTTTKATTCCCCGCYGGGARGGARGGGGAMCCCAAWYY

YTCYWCMRSMWTCYGTKYCKRTATYTCTGTGCCMACCTG-3`

Taxonomic Level Taxon Assignment Probability of Placement (%)  
Phylum Chordata 100  
Class Mammalia 100  
Order Rodentia 100  
Family Muridae 100  
Genus Mus 100  
Species Mus musculus 100

**Identification Summary:**

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