

# COI Species Report

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**Cell line:** SF-21

**ACC-No.:** 119

**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`-TWTTTWWRRGSGACACTATAGWYTCAACCAAYCAYAAAGAYATTGGAACATTATATTTTA  
TTTTTGGAAATTTGAGCAGGGATAGTAGGTA CTTCTTTAAGTTTATTAATTCGAGCTGAAT  
TAGGGACTCCAGGATCTTTAATTGGAGATGATCAAATTTATAATACTATTGTAACAGCTC  
ATGCTTTTATTATAATTTTTTTTATAGTTATACCTATTATAATTGGAGGATTTGGAAATT  
GACTTGTACCTTTAATATTAGGAGCCCCTGATATAGCTTTCCCACGTATAAATAATATAA  
GTTTTGACTTTTACCCCATCTTTAACTTTATTAATTTCTAGTAGCATTGTAGAAAATG

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GAGCAGGAACTGGATGAACAGTTTACCCCCCTCTCCTCTAATATTGCTCATGGTGGTA  
GTTTCAGTAGATTTAGCTATTTTCTCACTTCATTTAGCTGGAATTTTCATCTATTTTAGGAG  
CTATTAACTTTATTACTACTATTATTAATATACGATTAATAAATTTATCATTGATCAAA  
TACCTTTATTTATTTGAGCTGTAGGTATTACTGCATTCTTATTATTATTATCTTTACCTG  
TTTTAGCCGGAGCTATTACTATATTACTTACTGATCGAAATTTAAATACATCATTTTTTCG

ATCCTGCAGGTGGAGGTGWYYTATTCYTTTAYCAAMWTTWATTKKTATTCTKSCMWC-3`

Taxonomic Level Taxon Assignment Probability of Placement (%)

Phylum Arthropoda 100

Class Insecta 100

Order Lepidoptera 100

Family Noctuidae 100

Genus Spodoptera 100

## Identification Summary:

**Search Result:** A species level match could not be made, the queried specimen is likely to be one of the following:

**Spodoptera frugiperda sp. 2**

**Spodoptera frugiperda**

**Spodoptera frugiperdaDHJ02**

**Spodoptera frugiperda sp. 1**