

Supplementary Data S1: Primers targeting the D2 region from the 28S large subunit designed using Primrose 2.17 and tested in silico to determine their specificity for Neocallimastigomycetes.

Primer	Sequence 5' -> 3'
1_69489_57C	CCTTKACGAATTGTAGTTTAWAGA
2_71389_59C	GATACACTTTCAAMGAGUCGGA
3_72987_58C	GCGTTTGACACCAGTGTGT
4_739344_57C	ATGCACTTTTCRKTTAACAAGTC
5_76533_52C	YATAGACAACCTGTTGACTAT
6_74895_57C	TGAGGHCWGCAGCGTARA
7_GGNL1F_57C	CATAGAGGGTGAGAATCCCGTA
8_GGNL1R_56C_modif	TACCTACGCTTAGGATGTTGA
9_AF-LSU rev 1.3.1._45-60C modif	GCACTTYTYRKKKWACAAGTC