

TABLE III.2. Primers for mitochondrial and nuclear gene regions surveyed in this study. The first two primers listed for each genome were used for amplifying and sequencing. The other primers were used for sequencing only. (*) indicates primers published by Macey *et al.* (1997a), (**) is taken from Macey *et al.* (1997b), and (***) is from J. R. Macey, unpublished. All other primers are variants of published primers or ones original to this study. Mitochondrial primers are designated by their 3' ends corresponding to the homologous position in the human genome (Anderson *et al.* 1981). Names in parentheses are laboratory names with annealing target gene indicated. Sample indicates the specimen/s each primer was used on; numbers without collector's initials are FMNH accession numbers.

mitochondrial DNA

<u>PRIMER</u>	<u>SEQUENCE (5' – 3')</u>	<u>SAMPLE</u>
L4437 (METf.6)*	AAGCTTTCGGGCCCATACC	All specimens.
H5934 (COIr.1)*	AGRGTGCCAATGTCTTTGTGRTT	All specimens.
H4996 (ND2r.564s)	AGTATGCTAAGAGTTTTTC	257555, 257760, 257733, 257803, 257570, 257566.
H4980 (ND2r.6)*	ATTTTTTCGTAGTTGGGTTTGRRT	257627, 257653, ENS8328, 257745, 257714, ENS7104.
H4980 (ND2r.B)	AATTTTCGAATTTGTGTTTGGTT	ENS10024, ENS8615, GAR 400, ENS10376, ENS10391, ENS9965, 257561, 257696, 257605.
H4980 (ND2r.D)	ATTTTCCGAACTTGTGTTTGATT	ENS9595, ENS9512, ENS9698, 257616.
H4980 (ND2r.C)	AGTTTACGAATTTGAGTTTGGTT	257687, 257611, 257700.
H4980 (ND2r.U1)	ATTTTTCGGGTTTGTGTTTGATT	ENS6751, MEA2248, 257746.
H4980 (ND2r.G1)	ATTTTTCGAATTTGTGTTTGATT	JAC20477, ENS7836.
H4980 (ND2r.L)	ATTTTTCGGACTTGTGTTTGGTT	ENS9368.
H4980 (ND2r.M)	AGTTTACGAACTTGTGTTTGGTT	ENS10311.
H4980 (ND2r.H)	ATTTTTCGTAGCTGTTTTTGGTT	GAR181.
H4980 (ND2r.G2)	ATTTTTCGAATCTGTGTTTGATT	JAC20478.
H4980 (ND2r.G3)	ATTTTTCGAAGTTGTGTTTGGTT	ENS9633.
L4811 (ND2f.7)	GGCATTGCCCCMTTYCACTTCTG	257611, 257700, 257570, 257566, ENS10024, ENS8615, ENS10311, GAR400, ENS10376, ENS9965, ENS9595, ENS8328, ENS9512, ENS9698, 257561, 257696, 257605, 257616, JAC20478, JAC20477, ENS7836.
L4882 (ND2f.15)*	TGACAAAAACTAGCACC	257653, 257746.
L4882 (E-ND2f.15)	TGACAAAAACTTCCACC	257733.
L4976 (ND2f.0533)	AATTGTAGCGGCTGAGGAGGC	257555, 257653.
L5038 (ND2f.590s)	GCTCACCTTGGCTGAAT	257803, 257616.
L5002 (ND2f.5)**	AACCAAACCCAACTACGAAAAAT	257745.
L5002 (ND2f.C)	AACCAAACCTCAAATTCGTAAAGT	257687, ENS10024, GAR400, ENS10376, ENS10391,

TABLE III.2, continued.

<u>PRIMER</u>	<u>SEQUENCE (5' – 3')</u>	<u>SAMPLE</u>
L5002 (E-ND2f.5)	AATCAAACCTCAACTACGAAAACCT	257627, 257611, 257760, 257733, 257566.
L5002 (ND2f.B)	AACCAAACCTCAAGTTCGAAAAAT	ENS9595, ENS9698, 257714, ENS9368.
L5002 (ND2f.U1)	AATCAAACCTCAAACCCGAAAAAT	ENS6751, MEA2248, 257746.
L5002 (ND2f.k)	AACCAAACACAAATTCGAAAAGT	257561, 257696.
L5002 (ND2f.M1)	AACCAAACACAACTTCGAAAGAT	ENS9965, ENS9633.
L5002 (ND2f.G1)	AATCAAACACAAATTCGAAAAAT	JAC20477, ENS7836.
L5002 (ND2f.U4)	AACCAAACCTCAAGTCCGAAAACCT	257570.
L5002 (ND2f.L)	AACCAAACACAAACACGAAAAAT	ENS7104.
L5002 (ND2f.M3)	AACCAAAAACAGCTACGAAAAAT	GAR181.
L5002 (ND2f.M2)	AATCAAACACAACTTCGAAAAAT	ENS9512.
L5002 (ND2f.G2)	AATCAAACACAGATTCGAAAAAT	JAC20478.
H5465 (ND2r.1413)	GGCGAGAAAGAGTGAGAGA	257653.
H5687 (ANSr.2)***	GCGTTTAGCTGTAACTAA	ENS9633, ENS9595, ENS8328, ENS9512, ENS9698, JAC20477.
H5687 (E-ANSr.2)	GTTCTTAGCTGTAAATTAAG	257733.
H5686 (ANSr.A)	GTATTTAGCTGTAAATTA	ENS6751, MEA2248.
H5686 (ANSr.B)	GTTTTTAGCTGTAACTAA	JAC20478, ENS9368.
H5686 (ANSr.C)	GTTTTTAGCTGTACCTAA	ENS7836.
H5575 (ALAr.2)	CGCAAGTCTTACAGAAAC	257555, 257687, 257611, 257700, 257760, 257803, 257570, 257566, ENS10024, ENS8615, ENS10311, GAR400, ENS10376, ENS10391, 257696, 257605, 257616, GAR181, 257746, ENS9368, ENS7104.
H5586 (ALAr.1)	GGTTAGTGTCCCGCAAGT	257627, ENS9965, 257561, 257745, 257714.
L5551 (TRPf.5)**	GACCAAAGGCCTTCAAAGCC	257555, 257687, 257611, 257700, 257566, 257653, 257746.
L5551 (TRPf.A)	AACCCTGAGCCTTCAAAGCT	ENS10024, ENS8615, ENS10311, GAR400, ENS10376, ENS10391, ENS9633, ENS9595, ENS8328, ENS9512, 257561, 257696, 257605, 257616, JAC20477, ENS7836, GAR181, MEA2248.
L5551 (E-TRPf.5)	AACCCTGGGCCTTCAAAGCC	257627, 257760, 257733, 257803, 257570, ENS9368.
L5551 (TRPf.C)	AACCCCGAGCCTTCAAAGCT	JAC20478.
L5551 (TRPf.D)	GACCAAAGCCTTCAAAGCT	ENS6751.
L5603 (ALAf.1)	AAGACTTGCGGGACACTAACC	ENS9965, ENS9698, 257745, 257714.
L5603 (ALAf.B)	AAGACCTGCAGGATATTAACC	ENS7104.

TABLE III.2, continued.

c-myc intron 2 and neighboring exon fragments

<u>PRIMER</u>	<u>SEQUENCE (5' – 3')</u>	<u>SAMPLE</u>
cmyc1U	GAGGACATCTGGAARAARTT	All specimens.
cmyc3L	GTCTTCCTCTTGTCRRTTCTCYTC	All specimens.
cmyc5L	ATGGGTGGYGTTTCCATRRTT	All except: 257745, <i>P. boiei</i> , <i>Hylomantis</i> .
cmyc5Lp	ATGGGCGGCGTGTCCATATT	<i>P. boiei</i> .
cmyc3U	TCTTTCCTTACCCGTTGAATGATRC	257611, 257700, 257733, 257801, 257566, 257595, 257689, ENS8615, ENS10311, GAR400, ENS10376, ENS10391, ENS9633, ENS9595, ENS8328, ENS9512, ENS9698, 257561, 257605, 257616, 257745, GAR181, ENS6751, MEA2248, GAR65, 257769, 257691, <i>Hylomantis</i> .
cmyc3Up	TTCCCTTACCCGTTGAATGA	<i>P. boiei</i> .
cmyc4U	TATGGAAACRCCACCCATCAG	257627, 257555, 257687, 257760, 257653, ENS10024, ENS9965, ENS9492, 257714, JAC19316, 257746, <i>E. sp.</i> Brazil.
cmyc6L	CAAAGCCAGMCATTGGAAGATAA	257627, 257555, 257733, 257801, 257566, 257689, 257605, 257714.
cmyc6Lg	CCAGCCATCGAAAAGATAA	257616.
cmyc6U	CGGCACGCTTTCTAAGAA	257700.
cmyc4La	CTTGGATGCGGTATATCKTTT	257687, 257733, 257566, ENS9633, GAR181.
cmyc4Lb	TTGGCTGCGGTATATCKTTTTYTC	257611, 257700, 257760, 257653, 257595, 257746.
cmyc7L	AATGCATACAAGTTAGTAAT	257611, 257700, ENS10311, GAR400, ENS10376, ENS10391, ENS8328, 257745, GAR65.
cmyc7La	AAGGCATACGAGTTAGTAAT	ENS9698.
cmyc7Lg	AATACATATGCGTTAGTAAT	257561.
cmyc7Lv	AATGCATACAAGTTAGTAAA	257769.
cmyc8L	GCGTCGCTGCCCTAAACTAYC	ENS10024, ENS8615, ENS9965, ENS9595, ENS9512, 257745, <i>Hylomantis</i> .
cmyc5U	TATACCGCATCCARGAAAA	257627, 257555, 257801, GAR400, ENS9965, ENS9633, ENS8328, ENS9512, ENS9698, 257745, 257714, GAR181, JAC19316, GAR65.