Table 1. 12S sequence differences between taxon pairs included in study using General Time Reversable (GTR) parameter values.

| Taxa | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 *L. diedrus* | - | | | | | | | | | | | | | |
| 2 *L. riveroi* | .0148 | - | | | | | | | | | | | | |
| 3 *L. silvanimbus* | 0.126 | 0.137 | - | | | | | | | | | | | |
| 4 *L. bufonius* | 0.139 | 0.144 | 0.115 | - | | | | | | | | | | |
| 5 *L. fuscus* | 0.136 | 0.165 | 0.135 | 0.077 | - | | | | | | | | | |
| 6 *L. chaquensis* | 0.128 | 0.119 | 0.078 | 0.095 | 0.097 | - | | | | | | | | |
| 7 *L. insularum* | 0.123 | 0.133 | 0.094 | 0.094 | 0.096 | 0.065 | - | | | | | | | |
| 8 *L. leptodactyloides* | 0.131 | 0.135 | 0.086 | 0.107 | 0.116 | 0.042 | 0.087 | - | | | | | | |
| 9 *L. melanonotus* | 0.137 | 0.146 | 0.101 | 0.105 | 0.117 | 0.087 | 0.088 | 0.097 | - | | | | | |
| 10 *L. pentadactylus* | 0.144 | 0.160 | 0.116 | 0.118 | 0.118 | 0.107 | 0.113 | 0.115 | 0.131 | - | | | | |
| 11 *V. discodactylus* | 0.113 | 0.166 | 0.141 | 0.136 | 0.129 | 0.126 | 0.116 | 0.130 | 0.136 | 0.134 | - | | | |
| 12 *A. hylaedactyla* | 0.177 | 0.197 | 0.177 | 0.156 | 0.157 | 0.145 | 0.151 | 0.156 | 0.174 | 0.161 | 0.168 | - | | |
| 13 *Lith. lineatus* | 0.207 | 0.203 | 0.175 | 0.168 | 0.173 | 0.175 | 0.187 | 0.178 | 0.182 | 0.165 | 0.190 | 0.161 | - | |
| 14 *P. gracilis* | 0.185 | 0.212 | 0.167 | 0.151 | 0.156 | 0.161 | 0.164 | 0.162 | 0.164 | 0.171 | 0.182 | 0.160 | 0.174 | - |

Table 2. 16S sequence differences between taxon pairs included in study using General Time Reversable (GTR) parameter values.

| Taxa | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 *L. diedrus* | - | | | | | | | | | | | | | |
| 2 *L. riveroi* | 0.129 | - | | | | | | | | | | | | |
| 3 *L. silvanimbus* | 0.099 | 0.111 | - | | | | | | | | | | | |
| 4 *L. bufonius* | 0.118 | 0.136 | 0.101 | - | | | | | | | | | | |
| 5 *L. fuscus* | 0.096 | 0.132 | 0.099 | 0.053 | - | | | | | | | | | |
| 6 *L. chaquensis* | 0.085 | 0.105 | 0.072 | 0.093 | 0.079 | - | | | | | | | | |
| 7 *L. insularum* | 0.088 | 0.098 | 0.060 | 0.088 | 0.072 | 0.039 | - | | | | | | | |
| 8 *L. leptodactyloides* | 0.092 | 0.124 | 0.109 | 0.117 | 0.116 | 0.085 | 0.092 | - | | | | | | |
| 9 *L. melanonotus* | 0.083 | 0.100 | 0.079 | 0.097 | 0.091 | 0.060 | 0.063 | 0.084 | - | | | | | |
| 10 *L. pentadactylus* | 0.108 | 0.128 | 0.099 | 0.096 | 0.082 | 0.086 | 0.074 | 0.117 | 0.080 | - | | | | |
| 11 *V. discodactylus* | 0.104 | 0.118 | 0.125 | 0.132 | 0.114 | 0.099 | 0.094 | 0.087 | 0.100 | 0.114 | - | | | |
| 12 *A. hylaedactyla* | 0.135 | 0.136 | 0.128 | 0.144 | 0.133 | 0.128 | 0.124 | 0.131 | 0.111 | 0.128 | 0.147 | - | | |
| 13 *Lith. lineatus* | 0.155 | 0.146 | 0.116 | 0.138 | 0.125 | 0.125 | 0.120 | 0.156 | 0.121 | 0.131 | 0.160 | 0.105 | - | |
| 14 *P. gracilis* | 0.160 | 0.163 | 0.126 | 0.150 | 0.139 | 0.126 | 0.124 | 0.148 | 0.145 | 0.145 | 0.165 | 0.143 | 0.133 | - |

Table 3. Combined 12S & 16S sequence differences between taxon pairs included in study using General Time Reversable (GTR) parameter values.

| Taxa | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 *L. diedrus* | - | | | | | | | | | | | | | |
| 2 *L. riveroi* | 0.140 | - | | | | | | | | | | | | |
| 3 *L. silvanimbus* | 0.114 | 0.125 | - | | | | | | | | | | | |
| 4 *L. bufonius* | 0.130 | 0.140 | 0.109 | - | | | | | | | | | | |
| 5 *L. fuscus* | 0.118 | 0.150 | 0.118 | 0.066 | - | | | | | | | | | |
| 6 *L. chaquensis* | 0.109 | 0.113 | 0.075 | 0.094 | 0.089 | - | | | | | | | | |
| 7 *L. insularum* | 0.108 | 0.118 | 0.079 | 0.092 | 0.085 | 0.054 | - | | | | | | | |
| 8 *L. leptodactyloides* | 0.114 | 0.130 | 0.096 | 0.111 | 0.116 | 0.060 | 0.089 | - | | | | | | |
| 9 *L. melanonotus* | 0.113 | 0.126 | 0.092 | 0.101 | 0.106 | 0.075 | 0.077 | 0.091 | - | | | | | |
| 10 *L. pentadactylus* | 0.128 | 0.146 | 0.109 | 0.108 | 0.102 | 0.098 | 0.096 | 0.116 | 0.108 | - | | | | |
| 11 *V. discodactylus* | 0.109 | 0.144 | 0.134 | 0.134 | 0.123 | 0.114 | 0.106 | 0.111 | 0.120 | 0.125 | - | | | |
| 12 *A. hylaedactyla* | 0.158 | 0.170 | 0.155 | 0.151 | 0.147 | 0.138 | 0.139 | 0.145 | 0.146 | 0.146 | 0.159 | - | | |
| 13 *Lith. lineatus* | 0.184 | 0.178 | 0.148 | 0.155 | 0.152 | 0.153 | 0.157 | 0.168 | 0.154 | 0.150 | 0.177 | 0.136 | - | |
| 14 *P. gracilis* | 0.174 | 0.190 | 0.149 | 0.150 | 0.149 | 0.145 | 0.147 | 0.156 | 0.155 | 0.160 | 0.175 | 0.152 | 0.156 | - |

Appendix 1. Morphological (primarily) data matrix used for phylogenetic analysis
(See text and Heyer, 1998, for character state descriptions).

| Characters | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *L. bufonius* | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 0 | 3 | 0 | 1 | 1 | 1 | 0 | 2 | 0 | 0 |
| *L. fuscus* | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 4 | 0 | 3 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 |
| *L. leptodactyloides* | 1 | 0 | 2 | 1 | 1 | 0 | 1 | 0 | 3&5 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| *L. melanonotus* | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 5 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| *L. chaquensis* | 2 | 0 | 2 | 3 | 0 | 0 | 1 | 2 | 2 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| *L. insularum* | 1 | 0 | 2 | 2 | 0 | 0 | 1 | 1 | 3 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| *L. pentadactylus* | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 4 | 0 | 3 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| *L. diedrus* | 1 | 0 | 2 | 0 | 2 | 0 | 1 | ? | ? | ? | ? | ? | 1 | ? | 1 | 0 | 0&1 | 0 | 0 |
| *L. riveroi* | 0 | 0 | 2 | 2 | 0 | 0 | 1 | 0 | 4 | 0 | 2 | 0 | ? | ? | 1 | 0 | 0 | 0 | 0 |
| *L. silvanimbus* | 1 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 5 | 0 | 2 | 0 | 0 | ? | 1 | 0 | 0 | 0 | 0 |
| *A.. hylaedactyla* | 1 | 0 | 0 | 0 | 1 | 0 | 0 | ? | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |
| *Lith. lineatus* | 1 | 0 | 0 | 2 | 4 | 0 | 0 | ? | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 |
| *V. discodactylus* | 1 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 5 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 |
| *P. gracilis* | 4 | 1 | 3 | 0 | 0 | 1 | 0 | 3 | 4 | 1 | 3 | 0 | 1 | 0 | 0 | 1 | 2 | 2 | 0 |

| | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *L. bufonius* | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 0 |
| *L. fuscus* | 0 | 0 | 1 | 0 | 0&2 | 0 | 0 | 0 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 2 | 1 | 0 |
| *L. leptodactyloides* | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0&1 |
| *L. melanonotus* | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| *L. chaquensis* | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 3 | 0&3 | 1&3 | 0&1 |
| *L. insularum* | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0&1 |
| *L. pentadactylus* | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 2 | 0 |
| *L. diedrus* | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 2 | 1&2 | 1 |
| *L. riveroi* | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 3 | 3 | 0 |
| *L. silvanimbus* | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 0 | 1 | 1 |
| *A.. hylaedactyla* | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 |
| *Lith. lineatus* | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 |
| *V. discodactylus* | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 1 | 1 | 0 |
| *P. gracilis* | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 3 | 1 |

Appendix 2. Molecular data matrix used for phylogenetic analysis. Regions in brackets corresponds to ambiguous alignment and were not included in the analyses.

```
BEGINS 12S DATA
Diedrus  [AGCGCTGAAGATGCTGAGATGGACCCTAAAAAGTCCTTTAAACA]CAAAGGTTTGGTCCTAACCCTAAGATCAAC
Riveroi  [-GCGCTGAAGATGCTGAGATGGACCCTAAAAAGTCCTTTAAACA]CAAAGGCTTGGTCCCGGCCTTAAGATCAAC
Silvani  [-GCGCTGAAGATGCTGAGATGGACCCTAAAAAGTCCTTTAGACA]CAAAGGTTTGGTCCTGACCTTAAGATCAAC
Bufoniu  [--CGCTGAAGATGCTGAGATGGACCCTAAAAAGTCCTTTAAACA]CAAAGGTTTGGTCCTGACCTTAGAATCAAT
Fuscuss  [--CGCTGAAGATGCTGAGATGGACCCTAAAAAGTCCTTTAGACA]CAAAGGTTTGGTCCTGACCTTAAAATCAAT
Chaquen  [-GCGCTGAAGATGCTGAGATGGACCCTAAAAAGTCCTTTAAACA]CAAAGGTTTGGTCCTGACCTTAAAATCAAT
Insular  [AGCGCTGAAGATGCTGAGATGGACCCTAAAAAGTCCTTTAAACA]CAAAGGTTTGGTCCTGACCTTAAGATCAAT
Tyloide  [----CTGAAGATGCTGAGATGGACCCTAAAAAGTCCTTTAAATA]CAAAGGTTTGGTCCTGACCTTAAAATCAAT
Melanon  [--CGCTGAAAATGCTGAGATGGACCCTAAAAAGTCCTTTAAACA]CAAAGGTTTGGTCCTGACCTTAATATCAAC
Pentada  [-GCGCTGAAGATGCTGAGATGGACCCTAAAAAGTCCTTTAAACA]CAAAGGTTTGGTCCTGACCTTAAAATCAAT
Vanzoli  [AGCGCTGAAGATGCTGAGATGGACCTTAAAAAGTCCTTTAGACA]TAAAGGTTTGGTCCTGACCTTAAAATCAGC
Adenhya  [---GCTGAAGATGCTGAGATGAACCCTAAAAAGTCCTTTAAACA]CAAAGGTTTGGTCCTAGCCTTGTAGTCAAT
Lithody  [---GCTGAAGATGCTGAGATGGGCCCTAAAAAGCCCTTTAAACA]CAAAGGTTTGGTCCTAGCCTTGCAATCAAC
Physala  [---GCTGAAGATGCTGAGATGAACCCTAAAAAGTTCTTTAAACA]CAAAGGTTTGGTCCTGGCCTTGAGATCAGT

Diedrus  TCTTACTTAACTTACACATGCAAGTCTCAGCACCCCTGTGAAAACGCCCTTCAACTCCT-ACA-AGGGGCAAGGAG
Riveroi  TCTTACTTAACCTACACATGCAAGTCTCAGCGCCCCGGTGAGAACGCCCTTCAACTCCA-CTA-AGGAACAAGGAG
Silvani  TCTTACTTAACTTACACATGCAAGKCTCAGCACCCCTGTGAAAACGCCCTTCAACTCCC-CC--TGGAGTAAGGAG
Bufoniu  TTTTACTTAATTTACACATGCAAGTCTCCGCACCCCTGTGAAAACGCCCTTAAATTCCCCCTAGCGGGACAAGGAG
Fuscuss  TTTTACTTAATTTACACATGCAAGTCTCCGCACCCCTGTGAGAACGCCCTCAAACCCCT-AAA-AGGGACGAGGAG
Chaquen  TTTTACTTAACTTACACATGCAAGTCTCAGCACCCCTGTGAGAACGCCCTTTAACTCCC-ATT-AGGAACAAGGAG
Insular  TTTTACTTAATTTACACATGCAAGTCTCAGCATCCCTGTGAGAACGCCCTTTAACTCCCCCTA-AGGAGCAAGGAG
Tyloide  TTTTACTTAACTTACACATGCAAGTCTCAGCACCCCTGTGAGAACGCCCTTTAACTCCC-GTT-AGGAACAAGGAG
Melanon  TTTTACTTAATTTACACATGCAAGTCTCAGCATTCCTGTGAAAACGCCCTTTAACTCCT-TTA-CGGAACAAGGAG
Pentada  TGTTACTTAACTTACACATGCAAGTCTCCGCACTCCTGTGAGAACACCCTTTAACCCCT-TTA-AGGGGAAAGGAG
Vanzoli  TCTTACTTAACTTACACATGCAAGTCTCCGCCTTCCTGTGAAAACGCCCTTAGACCCCT-CAA-AGGGGAAAGGAG
Adenhya  TTTTACTTAATTTACACATGCAAGTATCCGCACCCCTGTGAAAACGCCCTTTAATTCCT-TAT-AGGGATAAGGAG
Lithody  TTTTTCTTAACTTACACATGCAAGTATCCGCACCCCCGTGAAAACGCCCTTATATCCCC-GA--TAGGATAAGGAG
Physala  TATTACTTAATATACACATGCAAGTCTCCGCACCCCTGTGAAAACGCCCTTTAATCCCC-TCT-CGGGATAAGGAG
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Diedrus  CCGGTATCAGGCACACCAA--AAGCCCAAGACACCTAGCTATGCCACACCCACAAGGGAACTCAGCAGTGATTAAC
Riveroi  CCGGTATCAGGCACAAGTTTTTAGCCCAAGACACCTAGCCACGCCACACCCACAAGGGAACTCAGCAGTGATTAAC
Silvani  CTGGTATCAGGCGCAAACCT-TAGCCCAAGACACCTAGCTATGCCACACCCACAAGGGAATTCAGCAGTGATTAAC
Bufoniu  CTGGTATCAGGCACAAACAT-TAGCCCAAGACACCTAGCTTTGCCACACCCACACGGGAACTCAGCAGTGATTAAC
Fuscuss  CTGGTATCAGGCACAAACAT-TAGCCCAAGACACCTAGCCATGCCACACCCACAAGGGAAATCAGCAGTGATTAAC
Chaquen  CTGGTATCAGGCACAACCTT-TAGCCCAAGACACCTAGCTACGCCACACCCACAAGGGAATTCAGCAGTGATTAAC
Insular  CTGGTATCAGGCACAAATCT-TAGCCCAAGACACCTAGCCATGCCACACCCACAAGGGAATTCAGCAGTGATTAAC
Tyloide  CTGGTATCAGGCACAACCTT-TAGCCCAAGACACCTAGCTACGCCACACCCACAAGGGAATTCAGCAGTGATTAAC
Melanon  CTGGTATCAGGCACAAATAT-TAGCCCAAGACACCTAGCTACGCCACACCCACAAGGGATCTCAGCAGTGATTAAC
Pentada  TTGGTATCAGGCTCAAACAT-TAGCCCAAGACACCTAGCTAGGCCACACCCACAAGGGAACTCAGCAGTGATTAAC
Vanzoli  CCGGTATCAGGCACATCTCT-TAGCCCAAGACACCTAGCTATGCCACACCCACAAGGGACCTCAGCAGTGATTAAT
Adenhya  CCGGTATCAGGCACATCAATATAGCCCAAAACACCTAGCTATGCCACACCCACAAGGGACCTCAGCAGTGATTAAC
Lithody  CTGGTATCAGGCACAAAATT-TAGCCCAAAACACCTAGCTCAGCCACACCCCCACGGGAACTCAGCAGTGATCAAC
Physala  CTGGTATCAGGCCCAAAATTCT-GCCCAAAACACCTAGCTATGCCACATCCACAAGGAAACTCAGCAGTGATTAAC

Diedrus  ATTAAACATGAGCGACAGCTTGATTCAGTTAAAGAAAAGAGAGCCGGCAAATCTGGTGCCAGCCGCCGCGGTTACA
Riveroi  ATTGTGCATGAGCGCCAGCTCGACTCAATTAAAGTAAAAAGGGCCGGCAAATCTGGTGCCAGCCGCCGCGGTTACA
Silvani  ATTGAATATAAGCGACAGCTTGACTCAGTTAAAGTAAAAAGAGCCGGCAAATCTGGTGCCAGCCGCCGCGGTTACA
Bufoniu  ATTGAATATAAGCGACAGCTTGACTCAGTTAAAGTAAGAAGAGCCGGCTAATCTGGTGCCAGCCGCCGCGGTTACA
Fuscuss  ATTGAATATAAGCGACAGCTTGATTCAGTTAAAGTAAGAAGAGCCGGCTAATCTGGTGCCAGCCGCCGCGGTTACA
Chaquen  ATTGAATATAAGCGCCAGCTTGATTCAGTTAAAGTAAAAAGAGCCGGCTAATCTGGTGCCAGCCGCCGCGGTTACA
Insular  ATTGAATATAAGCGCCAGCTTGATTCAGTTAAAGTAAAGAGAGCCGGCAAATCTGGTGCCAGCCGCCGCGGTTACA
Tyloide  ATTGAATATAAGCGCCAGCTTGATTCAGTTAAAGTAAAAAGAGCCGGCTAATCTGGTGCCAGCCGCCGCGGTTACA
Melanon  ATTGGACATAAGCGACAGCTTGATTCAGTTAAAGTAAAAAGAGCCGGCAAATCTGGTGCCAGCCGCCGCGGTTACA
Pentada  ATTGAATATAAGCGATAGCTTGATTCAGTTAAAGTAAAAAGAGCCGGCTAATCTGGTGCCAGCCGCCGCGGTTACA
Vanzoli  ATTAAACATAAGCGACAGCTTGATTCAGTTAAAGAAAAGAGAGCCGGCAAATCTGGTGCCAGCCGCCGCGGTTACA
Adenhya  ATTAAATATCAGCGACAGCTTGATTCAGTTAAAGTAAATAGAGCCGGCTAATCTGGTGCCAGCCGCCGCGGTTACA
Lithody  ATTGAACATCAGCGACAGCTGGATTCAGTTAAAGTTTACAGAGCCGGCTAATCTGGTGCCAGCCGCCGCGGTTACA
Physala  ATTGAACATAAGCGACAGCTTGATTCAGTTATGGTAAAAAGAACCGGCAAATCTGGTGCCAGCCGCCGCGGTTACA
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Diedrus  CCACGTGGCTCAAGTTGACCTTGCTCGGCGTAAAGCGTGATTTAAGAAATATGCCCA-TGGTGTCAAAAA-AGTTT
Riveroi  CCACGTGGCTCAAATTGATCTCATCCGGCGTAAAGCGTGATTTAAGAGACAATCCCA-TGGTGCTAAACATGGCAC
Silvani  CCATGAGGCCCTAGTTGACCTTTCTCGGCGTAAAGCGTGATTTAAGAAA-ATATTTA-TGATGTCAAAAA-CTCAC
Bufoniu  CCACGTGGCTCAAATTGATTCTTCTCGGCGTAAAGCGTGATTTAAGGGACATCCTTT-TGGTGTTAAACA-AGCAC
Fuscuss  CCACGTGGCTCTAATTGATTCTGATCGGCGTAAAGCGTGATTTAAGAGATTCCTCCTTTGGTGTCAAAAA-GATAC
Chaquen  CCACGTGGCTCAAATTGATTTTGCTCGGCGTAAAGCGTGATTTAAGAGACCAATTCA-TGGTGTCAAAAA-AGCAC
Insular  CCACGTGGCTCAAATTGATCTTACTCGGCGTAAAGCGTGATTTAAGGGATTAACCAA-TGGTGTCAAAAA-ATTAT
Tyloide  CCACGTGGCTCAAATTGATTTTGCTCGGCGTAAAGCGTGATTTAAGAGATCAATTCA-TGGTGTCAAAAA-AGCAC
Melanon  CCACGTGGCTCTAGTTGATTCTACTCGGCGTAAAGCGTGATTTAAGATA-CTACTCA-TGATGCCAAAAA-AACAT
Pentada  CCACGTGGCTCAAATTGACCTAACTCGGCGTAAAGCGTGATTTAAGGAA-ATACTTT-TGGTGCCAAAAA-TATAC
Vanzoli  CCATGTGGCTCAAGTTGATTTTGTTCGGCGTAAAGCGTGGTTTAAGCGT-TTAATTA-TGGTGTCAAAAA-AGTAC
Adenhya  CCACGTGGCTCAAATTGACCATTTTCGGCGTAAAGAGTGATTTAAGAGT-CCTATAATTGGTGTCAAATT-TTTAC
Lithody  CCACGTGGCTCAAGTTGACCCCCATCGGCGTAAAGCGTGATTTAAGAGACCCAAATT-TGGTACCAAATT-TTTAC
Physala  CCACGTGGTTCAAATTGATTCTTATCGGCGTAAAGCGTGATTTAAGCCATATACGAT-TGAAGTTGAACT-TAAAT

Diedrus  TAAGCTGTGACACGCTTGCTCTTAATAAGACCAAAAACGAAAGTTACACCAACCGCACCTACTTGAACCCACGACA
Riveroi  TAAGCTGTGACACGCTTGTGCCCCCGAAACCCCAAGACGAAAGTTACACCAGCCAAACCAACTTGAACTCACGACA
Silvani  TAAGCTGTGACACGCTTGTGCCCCAGAAGCCCAGAAACGAAAGCTACATCAACC-AACCAACTTGAATTCACGACA
Bufoniu  TAAGCCGTGACACGCTTGTGCTTAAGAAAATCAAAAACGAAAGTTACACCAACTCAACCAACTTGAACTCACGACA
Fuscuss  TAAGCCGTGACACGCTTGTATTCAAGAAGATCAGAAACGAAAGTTACACCAACTTAATCAACTTGAGCTCACGACA
Chaquen  TAAGCTGTGACACGCTTGTGCCTCAGAAGCCCAGAAACGAAAGCTACACCAATATTACCCACTTGAACTCACGACA
Insular  TAAGCCGTGACACGCTTGTGATTTAGAAGCTCAAAAACGAAAGCTACACCAAATATATCAACTTGAACTCACGACA
Tyloide  TAAGCTGTGACACGCTTGTGCCTCAGAAGCCCAGAAACGAAAGCTACACCAATATTACCCACTTGAACTCACGACA
Melanon  TAAGCTGTGACACGCTTATGCTCTAGAAGCTCAAAAACGAAAGTTGCATCAATT-AACCAACTTGAATTCACGACA
Pentada  TAAGCCGTGACACGCTTGTACATTAGAAGACCAAAATCGAAAGCTACACCAACCTAACCAACTTGAACTCACGACA
Vanzoli  TAAGCCGTGACACGCTTGTACATAAGAAGACCTAAAACGAAAGTTACACCAGTCACATAAACTTGAACCCACGACA
Adenhya  TAAGCCGTAACACGCTTGCCTCTTAGAAGCTCTAACACGAAAGTTACCCCAATTTAATCAACTTGAACTCACGACA
Lithody  TAAGCCGTGACACGCTTGTGCAAAAGATGACCTAAAACGAAAGTTGTACCAACTTAGCCAACTTGAACTCACGACA
Physala  TAAGCTGTGACACGCTTGTTTATCAGAAAACCATAAACGAAAGTTACTCCAATTACCTCTACTTGAACTCACGACA
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Diedrus  GCTAGGAAACAAACTGGGATTAGATACCCCACTATGCCTAGCCGTAAACTTTAACTTACACCT-CAATCGCCCGGG
Riveroi  GCCGGGGAACAAACTGGGATTAGATACCCCACTATGCCTGGCCATAAACTTTAATTTACAACT-CAATCGCCTGGG
Silvani  GCTTGGGAACAAACTGGGATTAGATACCCCACTATGCCTAGCCGTAAACTTTAATTTACA-CTCCAATCGCCAGGG
Bufoniu  GCTAGGAAACAAACTGGGATTAGATACCCCACTATGCCTAGCCGTAAACTTTAACTTACAACT-TGATCGCCTGGG
Fuscuss  GTTAGGAAACAAACTGGGATTAGATACCCCACTATGCCTAACCGTAAACTTTAATTTACACCTTTTATCGCCCGGG
Chaquen  GCTTGGAAACAAACTGGGATTAGATACCCCACTATGCCTAGCCGTAAACTTTAATTTACACCT-CAATCGCCAGGG
Insular  GCTTGGAAACAAACTGGGATTAGATACCCCACTATGCCTAGCCGTAAACTTTAACTTACACCT-CCATCGCCAGGG
Tyloide  GCTTGGAAACAAACTGGGATTAGATACCCCACTATGCCTAGCCGTAAACNTTAANTTACACCT-NAATCGCCNGGG
Melanon  GCTTGGAAACAAACTGGGATTAGATACCCCACTATGCCTAGCCGTAAACTTTAATTTACA-TTCTTATCGCCAGGG
Pentada  GCTAGGAAACAAACTGGGATTAGATACCCCACTATGCCTAGCCGTAAACTTTTATTTACACCC-ACATCGCCAGGG
Vanzoli  GCTAGGAAACAAACTGGGATTAGATACCCCACTATGCCTAACCGTAAACTTTAACTTACACCC-CGATCGCCAGGG
Adenhya  GCTAAGAAACAAACTGGGATTAGATACCCCACTATGCTTGGCAATAAACCTTAAATTACACCCCCAATCGCCCGGG
Lithody  GTCAAGACACAAACTGGGATTAGATACCCCACTATGCTTGACCGTAAAACTTTATTTACAATATCTATCGCCAGGG
Physala  GTTAAGATACAAACTGGGATTAGATACCCCACTATGCTTAACCGTAAACTTA-ATTTACACCT-TAATCGCCCGGG

Diedrus  AACTACGAGCAAAGCTTAAAACCCAAAGGACTTGACGGTACCCCAAATCCACCTAGAGGAGCCTGTCCTACAATCG
Riveroi  AACTACAAGCCAAGCTTTAAACCCAAAGGACTTGACGGTACCCCAAATCCACCTAGAGGAGCCTGTCCTATAATCG
Silvani  AACTACGAGCAAAGCTTAAAACCCAAAGGACTTGACGGTACCCCAAATCCATCTAGAGGAGCCTGTCCTATAATCG
Bufoniu  AACTACGAGCCAAGCTTAAAACCCAAAGGACTTGACGGTACCCCAAATCCACCTAGAGGAGCCTGTCCTATAATCG
Fuscuss  AACTACGAGCCAAGCTTAAAACCCAAAGGACTTGACGGTACCCCAAATCCACCTAGAGGAGCCTGTCCTATAATCG
Chaquen  AACTACGAGCAAAGCTTAAAACCCAAAGGACTTGACGGTACCCCAAATCCATCTAGAGGAGCCTGTCCTATAATCG
Insular  AACTACGAGCAAAGCTTAAAACCCAAAGGACTTGACGGTACCCCAAATCCATCTAGAGGAGCCTGTCCTATAATCG
Tyloide  AACTACGAGCAAAGCTTAAAACCCAAAGGACTTGACGGTACCCCAAATCCACCTAGAGGAGCCTGTCCTATAATCG
Melanon  AACTACGAGCAAAGCTTAAAACCCAAAGGACTTGACGGTACCCCAAATCCACCTAGAGGAGCCTGTCCTATAATCG
Pentada  AACTACGAGCCAAGCTTAAAACCCAAAGGACTTGACGGTACCCCAAATCCCTCTAGAGGAGCCTGTCCTGTAATCG
Vanzoli  AACTACGAGCAAAGCTTAAAACCCAAAGGACTTGACGGTACCCCAAATCCACCTAGAGGAGCCTGTCCTATAATCG
Adenhya  AACTATGAGCAAAGCTTAAAACCCAARGGACTTGACGGTACCCCAAATCCACCTAGAGGAGCCTGTCCTATAATCG
Lithody  AACTACGAGCTATGCTTAAAACCCAARGGACTTGACGGTACCCCAAATCCACCTAGAGGAGCCTGTCCTATAATCG
Physala  AACTACGAGCAAAGCTTAAAACCCAAAGGACTTGACGGTACCCCATATCCACCTAGAGGAGCCTGTCCTATAATCG
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Diedrus  ATACTCCCCGCTTAACCTCACCTCTTTTAGTCATTCAGTCTGTATACCTCCGTCGCCAGCTTACCCTATGAGCGTC
Riveroi  ATAACCCCCGCTTAACCTCACCTCTTTTTGTTAATCAGCCTGTATACCTCCGTCGTCAGCTTACCGCGTGAGCGCG
Silvani  ATAACCCCCGTTTAACCTCACCACTTTTAGCCTATCAGCCTGTATACCTCCGTCGTCAGCTTACCACGTGAGCGTC
Bufoniu  ATAACCCCCGTTCAACCTCACCACTTCTTGTCTTTCAGCCTGTATACCTCCGTCGCCAGCTTACCGCATGAGCGCT
Fuscuss  ATAACCCCCGTTCAACCTCACCACTTCTTGTCTATCAGCCTGTATACCTCCGTCGCCAGCTTACCGCATGAGCGTT
Chaquen  ATAACCCCCGTTTAACCTCACCACTTTTTGCCTATCAGCCTGTATACCTCCGTCGTCAGCTTACCACGTGAGCGCT
Insular  ATAACCCCCGTTTAACCTCACCACTTATTGTTTGTCAGCCTGTATACCTCCGTCGTCAGCTTACCACGTGAGCGTT
Tyloide  ATAACCCCCGCTTAACCTCACCTCTTATTGCCCGTCAGCCTGTATACCTCCGTCGTCAGCTTACCACGTGAGCGCC
Melanon  ATAACCCCCGTTAAACCTCACCACTTATTGCCTTTCAGCCTGTATACCTCCGTCGTCAGCTTACCTCGTGAGCGTT
Pentada  ATAACCCCCGCTTAACCTCACCACTTCTAGCAAATCAGCCTGTATACCTCCGTCGTCAGCTTACCTCGTGAGCGCC
Vanzoli  ATAACCCCCGCTTAACCTCACCTCTTGTTGTCCATCAGCCTGTATACCTCCGTCGTCAGCTTACCTCGTGAGCGTC
Adenhya  ATAACCCCCGCTTTACCTCACCACTTCTAGCTAATCAGCCTGTATACCTCCGTCGTCAGCTTACCTCGTGAGCGAA
Lithody  ATAACCCCCGCTTAACCTCACCATTTTTTGAAAATCAGCCTGTATACCTCCGTCGTCAGCTTACCATGTGAACGTC
Physala  ATAACCCCCGCTTAACCTCACCAACTCTTGCTATTCAGCCTGTATACCTCCGTCGTCAGCTTACCTCGTGAGCGAA

Diedrus  ACTAAGTGAGCCAAATGCCCGCACGCCAACACGTCAGGTCAAGGTGCAGCTAATAAAGAGGGAAGAGATGGGCTAC
Riveroi  ACTCAGTGAGCTTAATGCCCGTAAGCCAACACGTCAGGTCAAGGTGCAGCTAATAAAGAGGGAAGAGATGGGCTAC
Silvani  ACTAAGTGAGCTTAATGTCTATACATCAACACGTCAGGTCAAGGTGCAGTCAATGAAGTGGAAAGAGATGGGCTAC
Bufoniu  ATTAAGTGAGCTTAATGACAATACGCCAACACGTCAGGTCAAGGTGCAGCTAATGAAGTGGGAAAAGATGGGCTAC
Fuscuss  CTTAAGTGAGCCCAATGCCCATACGCCAACACGTCAGGTCAAGGTGCAGCTAATGAAGTGGGAAGAGATGGGCTAC
Chaquen  ATTGAGTGAGCTTAATGCCCCTACGCCAACACGTCAGGTCAAGGTGCAGCTAATGAAGTGGGAAGAGATGGGCTAC
Insular  ATTAAGTGAGCTTAATGCCCCTACGCCAACACGTCAGGTCAAGGTGCAGCTAATGAAGTGGGAAGAGATGGGCTAC
Tyloide  ACTAAGTGAGCCCAATGTTTATACATCAACACGTCAGGTCAAGGTGCAGCTAATGAAAAGGGAAGAGATGGGCTAC
Melanon  ACCAAGTGAGCTTAATGCCTGTCCGCCAACACGTCAGGTCAAGGTGCAGCTAATAAAGTGGGAAGAGATGGGCTAC
Pentada  TTTAAGTGAGCCCAATGCCAATACGCCAATACGTCAGGTCAAGGTGCAGCTAATGAAATGGGAAGAGATCGGCTAC
Vanzoli  ATTAAGTGAGCCTAATGCCCCCGCGTCAACACGTCAGGTCAAGGTGCAGCTAATAAAGAGGGAAGAGATGGGCTAC
Adenhya  ATATAGTGAGCTCAATGCCATTTCACCAATACGTCAGGTCAAGGTGCAACTCATGAAGTGGGAAGAGATGGGCTAC
Lithody  TTATAGTGAGCTTAACGCTTATTCACCAGTACGTCAGGTCAAGGTGCAGCTAATGAAATGGACAGAGATGGGCTAC
Physala  TATTAGTGAGCTTAATGTCT-TTCACCAATACGTCAGGTCAAGGTGCAGCACATGAGCTGGAAAGAGATGGGCTAC
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Diedrus  ACTCTCTACT-CTAGAAGAAA-CAAAAGACTA--TATGAAAC-TTAGTCTGAAGGAGGATTTAGTAGTAAAAAGAA
Riveroi  ACTCTCTAAA-ATAGAAGAAA-CGAAAGACT--TTATGAAAC-CTAGTCGAAAGGAGGATTTAGTAGTAAAAAGGG
Silvani  ACTTTCTAGT-ATAGAAGAAA-CGAAAGACTATTTATGAAAC-CTGGTCAGAAGGAGGATTTAGTAGTAAAAAGAA
Bufoniu  ACTTTCTACC-GTAGAAAAAA-CGAAAAACTATTTATGAAAT-CTAGTCGGAAGGAGGATTTAGTAGTAAAAAGAA
Fuscuss  ACTTTCTACC-CTAGAAAAAAACGAAAGACTACCTATGAAAT-CTAGTCAGAAGGAGGATTTAGTAGTAAAAAGAA
Chaquen  ACTTTCTATT-TTAGAAGAAA-CGAAAGACTATATATGAAAT-CTAGTCAGAAGGAGGATTTAGTAGTAAAAAGAA
Insular  ACTTTCTACG-ATAGAAAAAA-CGAAAGACTATATATGAAAC-CTAGTTAGAAGGAGGATTTAGTAGTAAAAAGAA
Tyloide  ACTTTCTAAT-TTAGAAAAAA-CGAAAAGCTATTTATGAAAC-CTAGCCAGAAGGAGAATTTAGTAGTAAAAAGAA
Melanon  ACTTTCTAAT-TTAGAAAAAA-CGAAAGGCTATATATGAAAC-CTAACCAGAAGGAGGATTTAGTAGTAAAAAGAA
Pentada  ACTCTCTATTTATAGAAAAAA-CGAAAGACCACTTATGAAAC-CTGGTCAGAAGGAGGATTTAGCAGTAAAAAGAG
Vanzoli  ACTCTCTACC-TTAGAAAAAA-CAAAAGACTACATATGAAACCCTAGTCAGAAGGCGGATTTAGTAGTAAAAAGAA
Adenhya  ACTCCCTAAA-CTAAGGCACA-CGAAAAACTATCTATGAAAT-CTAGTTTGAAGGCGGATTTAGAAGTAAAAAGAA
Lithody  ACTTTCTAAC-ATAGAATATA-CGAAAGATTACTTATGAAAC-CTAATCTGAAGGCGGATTTAGAAGTAAAAAGAA
Physala  ACTTTCTAAT-CTAGAAAATA-CAAAAGACTACCTATGAAAT-CTAGTCTGAAGGCGGATTTAGAAGTAAAAAGAA

Diedrus  ATCAGAATGTTCTCTTTAACCCGGCACTGGGGCATGTACACACNGCCCG
Riveroi  ATCAGAGAGCTCTTTTTAACCCGGCACTGGGGTGTGCACACACCGCCCG
Silvani  ACCAGAGTGTTCTTTTTAACCCGGCACTGGGGTGTGTACACACCGCCCG
Bufoniu  ACCAGAGTGTTCTTTTTAACCTGGCACTGGGGTGTGTACACACCGCCCG
Fuscuss  ATCAGAGCGTTCTTTTTAATCTGGCACTGGGGTGTGTACACACCGCCCG
Chaquen  AACAGAGAGTTCTTTTTAACCCGGCACTGGGGTGTGTACACACCGCCCG
Insular  AGCAGAGTGTTCTTTTTAACCCGGCACTGGGGTGTGTACACACCGCCCG
Tyloide  ACTAGAGTGTTCTTTTTAACCCGGCACTGGGGTGCGTACACACCGCCCG
Melanon  AACAGAGTGTTCTTTTAAACCCGGCACTGGGGTGTGTACACACCGCCCG
Pentada  AACATAGTGCTCTTTTTAACCCGGCACTGGGGTGTGTACACACCGCCCG
Vanzoli  AACAGAGTGTTCTTTTTAACTTGGCCCTGGGGTGCGTACACACCGCCCG
Adenhya  ACCAAAGAGTTCTTTTTAACCCGGCACTGGGGTGTGTACACACCGCCCG
Lithody  ACCAGAGTGTTCTTTTTAACCCGGCACTGGGGTGTGTACACACCGCCCG
Physala  ACAAGAGTGTTCTCTTTAAATAGGCACTGGGGTGTGTACACACCGCCCG
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BEGINS 16S DATA
Diedrus  ATAAGAGGTCCAGCCTGCCCA-GTGAC-TCT--GTTCAACGGCCGCGGTATCCTAACCGTGCGAAGGTAGCGTAAT
Riveroi  ATAAGAGGTCCGGCCTGCCCA-GTGAC-TCT--GTTCAACGGCCGCGGTATCCTAACCGTGCAAAGGTAGCGTAAT
Silvani  ATAAGAGGTCCAGCCTGCCCA-GTGAC-TCT--GTTCAACGGCCGCGGTATCCTAACCGTGCGAAGGTAGCGTAAT
Bufoniu  ATAAGAGGTCCAGCCTGCCCA-GTGAC-TTT--GTTCAACGGCCGCGGTATCCTAACCGTGCGAAGGTAGCGTAAT
Fuscuss  ATGAGAGGTCCAGCCTGCCCA-GTGAC-TCT--GTTCAACGGCCGCGGTATCCTAACCGTGCGAAGGTAGCGTAAT
Chaquen  ATAAGAGGTCCAGCCTGCCCA-GTGAC-TTT--GTTCAACGGCCGCGGTATCCTAACCGTGCGAAGGTAGCGTAAT
Insular  ATAAGAGGTCCAGCCTGCCCA-GTGAC-TCT--GTTCAACGGCCGCGGTATCCTAACCGTGCGAAGGTAGCGTAAT
Tyloide  ATTAAAGGTCTAGCCTGCCCA-GTGAC-TTT--GTTCAACGGCCGCGGTATCCTAACCGTGCGAAGGTAGCGTAAT
Melanon  ATAAGAGGTCCAGCCTGCCCA-GTGAC-TCT--GTTCAACGGCCGCGGTATCCTAACCGTGCGAAGGTAGCGTAAT
Pentada  ATAAGAGGTCCAGCCTGCCCA-GTGAC-TCT--GTTCAACGGCCGCGGTATCCTAACCGTGCGAAGGTAGCGTAAT
Vanzoli  ATGAGAGGTCCAGCCTGCCCA-GTGAC-TTT--GTTCAACGGCCGCGGTATCCTAACCGTGCGAAGGTAGCGTAAT
Adenhya  ATAAGAGGTCTAGCCTGCCCA-GTGAC-ATT--GTTCAACGGCCGCGGTATCCTAACCGTGCGAAGGTAGCGTAAT
Lithody  ATAAGAGGTCCAGCCTGCCCA-GTGAC-TCT--GTTCAACGGCCGCGGTATCCTAACCGTGCGAAGGTAGCGTAAT
Physala  ATAAGAGGTCCAGCCTGCCCA-GTGAC-TCA--ATTCAACGGCCGCGGTATCCTAACCGTGCGAAGGTAGCGTAAT

Diedrus  CACTTGTTCTCTAAATAAGGACTAGTATGAATGGCACCACGAGGGTTATACTGTCTCCTTCCTCCAATCAGTGAAA
Riveroi  CACTTGTTCTTTAAATGAGGACCGGTATGAATGGCACCACGAAGGTTATACTGTCTCCTTTTTCTAATCAGTGAAA
Silvani  CACTTGTTCTTTAAATGAGGACTAGTATGAATGGCACCACGAAGGTTATACTGTCTCCTTTTTTTAATCAGTGAAA
Bufoniu  CACTTGTTCTTTAAATGAGGACTAGTATGAATGGCACCACGAAGGTTATACTGTCTCCTTTTTCTAATCAGTGAAA
Fuscuss  CACTTGTTCTTTAAATGAGGACTAGTATGAATGGCACCACGAAGGTTATACTGTCTCCTTTTTCTAATCAGTGAAA
Chaquen  CACTTGTTCTTTAAATGAGGACTAGTATGAATGGCACCAGCAAGGTTATACTGTCTCCTTTCTTTAATCAGTGAAA
Insular  CACTTGTTCTTTAAATGAGGACTAGTATGAATGGCACCACGAAGGTTATACTGTCTCCTTTCTTTAATCAGTGAAA
Tyloide  CACTTGTTCTTTAAATGAGGACTAGTATGAATGGCATCACGAGGGTTTTACTGTCTCCTCCCTCTAATCAGTGAAA
Melanon  CACTTGTTCTTTAAATGAGGACTAGTATGAATGGCACCACGAAGGTTATACTGTCTCCTTCCTCTAATCAGTGAAA
Pentada  CACTTGTTCTTTAAATGAGGACTAGTATGAATGGCACCACGAAGGTTATACTGTCTCCTCTCTCTAATCAGTGAAA
Vanzoli  CATTTGTTCTTTAATTGAGGACTAGTATGAACGGCACCACGAAGGTTATACTGTCTCCTCTCTCTAATCAGTGAAA
Adenhya  CACTTGTTCTTTAAATGAGGACTAGTATGAAAGGCATCACGAGAGTCATACTGTCTCCTTTCTCTAATCAGTGAAA
Lithody  CACTTGTTCTTTAAATAAGGACTAGTATGAAAGGCACCACGAGGGTTGCACTGTCTCCTTTCTCTAATCAGTGAAA
Physala  CACTTGTTCTTTAAATGAGGACTAGTATGAATGGCATCACGAGGGTTACACTGTCTCCCTTTTTTAATCAGTGAAA
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Diedrus  CTAATCCCCCCGTGAAGAAGCGAGGATAAACCTATAAGACGAGAAGACCCTATGGAGCTTTAAACAC-AGTAACAA
Riveroi  CTAACCCCCCCGTGAAGAGGCGGGGATGAGCCTATAAGACGAGAAGACCCTATGGAGCTTAAAACTC-AATAACAT
Silvani  CTAATCTTCCCGTGAAGAAGCGGGAATAAATATATAAGACGAGAAGACCCTATGGAGCTTTAAACACAAGTAACAA
Bufoniu  CTAATCTTCCCGTGAAGAAGCGGGAATAAACATATAAGACGAGAAGACCCTATGGAGCTTTAAACA-AACATACAA
Fuscuss  CTAATCTTCCCGTGAAGAAGCGGGAATAAAAATATAAGACGAGAAGACCCTATGGAGCTTTAAACA-AACATACAA
Chaquen  CTAATCTCCCCGTGAAGAAGCGGGGATAAGCCTATAAGACGAGAAGACCCTATGGAGCTTTAAACATAAGTAACAA
Insular  CTAATCTCCCCGTGAAGAAGCGGGGATAAATATATAAGACGAGAAGACCCTATGGAGCTTTAAACA--AGTAACAA
Tyloide  CTAATCTCCCCGTGAAGAAGCGGGGATAAACCTATAAGACGAGAAGACCCTATGGAGCTTTAAACAC--ACAACAA
Melanon  CTAATCTCCCCGTGAAGAAGCGGGGATAAACCTATAAGACGAGAAGACCCTATGGAGCTTTAAACAT-AGTAATAA
Pentada  CTAATCTCCCCGTGAAGAAGCGGGGGTAATTATATAAGACGAGAAGACCCTATGGAGCTTTAAACT-AAGAATCAA
Vanzoli  CTATTCTCCCCGTGAAGAAGCGGGGATGAACTTATAAGACGAGAAGACCCTATGGAGCTTTAAACAT-AACAACAA
Adenhya  CTAATCCCCCCGTGAAGAAGCGGGGATAGAAATATAAGACGAGAAGACCCTATGGAGCTTTAAACAC--ATAATAT
Lithody  CTAATCTTCCCGTGAAGAAGCGGGAATAAAAATATAAGACGAGAAGACCCTATGGAGCTTTAAACT-AAATAATAA
Physala  CTAATCTTCCCGTGAAGAAGCGGGAATACAATTATAAGACGAGAAGACCCTATGGAGCTTTAAACT-AAACAGCAA

Diedrus [-CTGCCC-----ACACCCCC---------TTCCTGGGGG-TTAAGTAT---TTGGGCTCC--]TTGATTACAAGTT
Riveroi [-TTGCCCAACACCCACCC---------AATCTCAGGAAACTCGCCCACCACCCGGACATA--]TTGATTACAAGTT
Silvani [-TTGCCCCCTTCCCTATTTTC------AA---CAGAAAATTAATCTATAT-TTAGGCATT--]TTGATTACAAGTT
Bufoniu [-TTGCCTTCA-ACAAAAAAA--------ATTCCAGAAGAAAAACCTTTAT-TTAGGCATC--]CTGTCATGACGTT
Fuscuss [-TTGCCTT-TTCTCATAAAA--------ATTCCAGAAAAAACACTTCT-ATTCAGGCACT--]TTGATATAAAGTT
Chaquen [-CTGCCCTAAATTTTTT----------AATCTCAGGAAATTAATCACGACACTTAGCACT--]TTGATTACAAGTT
Insular [-CTGCCTTATTAATCTCTTA--------ATCTCAGGAAATTTACCCCTTATCCAGGCATT--]TTGATTACAAGTT
Tyloide [-TTGCCCTGCTTCCCCCCCCC------AATCTCCGGAAAGCCACATACTC---GGGCATT--]TTGATTGCAAGTT
Melanon [-ATGCCCCCCCCCCTTTTTTCTATTTAAATCTCCGGAAAACTACT--TTATCTGGGCATC--]CTAATTACAAGTT
Pentada [-CTGCTTTATTCCCCTACA--------AATTTCAGAAGACTAACTTTTAC-CAAAGCACT--]CTGATTTCTAGTT
Vanzoli [-CTGCCCCGCCCCAGTTTTAT-------GTTCCCGAAAAATTATTT---ACCTAAGCATT--]TTGATTGTACGTT
Adenhya [-ATGCCCTTTTAACTTCAAA---------TTCCAGAAAAATCTCTTAT---CTTGGTATA--]ATAACTAATAGTT
Lithody [-TAGCCTACTCATTTACACA--------ACTCCAGATGAATA--CTTTAC-CCTGGCTCG--]ATAATTATTAGTT
Physala [-TTGT-TATATGTTTCCACC---------CTTCAGAGAAATAAATTCTAC-TTTAACATA--]ATGCTCACCAGTT
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Diedrus  TTAGGTTGGGGTGACCACGGAGCAAAAAACAACCTCCGCAGTGAATAGGGCCTTTTTTCCCTAAACCCAGGACTAC
Riveroi  TTTGGTTGGGGTGACCGCGGAG-AAAAAACAACCTCCACAATGAATGGGACCCCCC-CCCCTAATTTCAGGGCCAC
Silvani  TTAGGTTGGGGTGACCGCGGAGAAAAAATAA-CCTCCACAATGAACAGGACTTA---TCCTTAAATTTAGGATTAC
Bufoniu  TTAGGTTGGGGTGACCACGGAGTAAAATTTAACCTCCGCAATGAACGGGGCTTT---CCCCTAAGATAAGAGCTAC
Fuscuss  TTAGGTTGGGGTGACCACGGAGTAAAAAACAACCTCCGCAGTGAAAGGGGCTTTT--CCCCTAAGCCAAGGGCTAC
Chaquen  TTAGGTTGGGGTGACCGCGGAGCAAAAAATAACCTCCGCAGTGAATGGAACTTAT--TTCCTAAACCCAGGGCTAC
Insular  TTAGGTTGGGGTGACCGCGGAGCATAAAATAACCTCCACAGTGAACGGGACTCAT--TCCCTAAACCAAGGGCTAC
Tyloide  TTAGGTTGGGGTGACCGCGGAGTAAAAATTAGCCTCCACAGCGAATGGGACTTC---TCCCTAAACTCAGGGCTAC
Melanon  TTAGGTTGGGGTGACCCCGGGGTAAAAAATAACCTCCACAGTGAATGGGG-TCTT--CCCCTAAACTCAGGGCCAC
Pentada  TTAGGTTGGGGTGACCACGGAGTAAAAACCAACCTCCGCAATGAACAGGGATCT---TCCCTTAACCAAGGGCCAC
Vanzoli  TTAGGTTGGGGTGACCGCGGAGCAAAAAACAACCTCCACACTGGAAGGGACCTT---TCCCTAAACCCAGGGCCAC
Adenhya  TTTGGTTGGGGTGACCACGGAATAAAAAACAACTTCCACAATGAA-AGAT-TCTCCTTCACTAAGTTAAGGACTAC
Lithody  TTTGGTTGGGGTGACCACGGAGAAAAAAGAAACCTCCGCAATGAAAGACT--CTC--CTTCTTAGTTTAGGACTAC
Physala  TTCGGTTGGGGTGACCACGGAGAATAAAACAACCTCCACGATAAAAGAAACTTAA--TCTCTTAATCCAGAATTAC

Diedrus  AACCCTAAGATTCAACAAAT-TGACACCCATT-GACCCAGTT--TCTGATCAATGAACCAAGTTACCCTAGGGATA
Riveroi  AGCCCTAAAAATCAACAAAT-TGACATATATTTGACCCAATTCTTTTGRGCAACGAACCAAGTTACCCTAGGGATA
Silvani  AATCCCAAAAATCAATAAAT-TGACATCTATT-GACCCAATATTTTTGATCAATGAACCAAGTTACCCTAGGGATA
Bufoniu  GACTCTAATAATCAACAAAT-TGACACCAATT-GACCCAATACACTTGATCAATGAACCAAGTTACCCTAGGGATA
Fuscuss  GACCCTAAGAATCAATAGAT-TGACACTAATT-GACCCAATT-AATTGATCAATGAACCAAGTTACCCTAGGGATA
Chaquen  GACCCTAAGAATCAATAAAT-TGACACTGATT-GACCCAATATTTTTGATCAATGAACCAAGTTACCCTAGGGATA
Insular  AACCCTAAGCATCAATAAAT-TGACACCTATT-GACCCAATA-TTTTGATCAATGAACCAAGTTACCCTAGGGATA
Tyloide  GACCCTAAGAATCAATAAAT-TGACACCCATT-GACCCAATT-TTTTGACCAATGAACCAAGTTACCCTAGGGATA
Melanon  AACCCTAAAAATCAATAAAT-TGACACCCATT-GACCCAATA-TTTTGATCAATGAACCAAGTTACCCTAGGGATA
Pentada  AACCCTAAGAATCAATACAT-TGACATCAATT-GATCCAAAAAATTTGCCCAATGAACCAAGTTACCCTAGGGATA
Vanzoli  AGCCCCCAGAATCAATAAAT-TGACACCTGTT-GACCCAATA-TTTTGACCAATGAACCAAGTTACCCTAGGGATA
Adenhya  AACCCTATACATCAATAAAT-TGACATA-ATT-GACCCAACA-TATTGATCAATGAACCAAGTTACCCTAGGGATA
Lithody  TTTCCTACGCATCAATAAAT-TGACACATATT-GACCCAACAACGTTGATCAATGAACCAAGTTACCCTAGGGATA
Physala  GATTCTAAGTACCAAAAATT-TGATATACATT-GATCCAATT-TATTGATCAACGAACCAAGTTACCCTAGGGATA
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Diedrus  ACAGCGCAATCCACTTCAAGAGCTCCTATCGACAAGTGGGTTTACGACCTCGATGTTGG-ATCAGGGCATCCTAGT
Riveroi  ACAGGGAAATCCACTTTAAGGGCCCCTATCGACAAGTGGGTTTACGACCTCGATGTTGG-ATCAGGGTACCCCAGT
Silvani  ACAGCGCAATCCACTTCAAGAGCCCCTATCGACAAGTGGGTTTACGACCTCGATGTTGG-ATCAGGGTGTCCCAGT
Bufoniu  ACAGCGCAATCCACTTCAAGAGCCCCTATCGACAAGTGGGTTTACGACCTCGATGTTGG-ATCAGGGTATCCTAGT
Fuscuss  ACAGCGCAATCCACTTCAAGAGCCCCTATCGACAAGTGGGTTTACGACCTCGATGTTGG-ATCAGGGTATCCTAGT
Chaquen  ACAGCGCAATCCACTTCAAGAGCCCCTATCGACAAGTGGGTTTACGACCTCGATGTTGG-ATCAGGGTATCCCAGT
Insular  ACAGCGCAATCCACTTCAAGAGCCCCTATCGACAAGTGGGTTTTCGACCTCGATGTTGG-ATCAGGGTATCCCAGT
Tyloide  ACAGCGCAATCCATTTCAAGAGCTCCTATCGACAAGTGGGTTTACGACCTCGATGTTGG-ATCAGGGTACCCCAGT
Melanon  ACAGCGCAATCCACTTCAAGAGCTCCTATCGACAAGTGGGTTTACGCCCTCGATGTTGG-ATCAGGGNNCCN-AGT
Pentada  ACAGCGCAATCCACTTCAAGAGCTCCTATCGACAAGTGGGTTTACGACCTCGATGTTGG-ATCAGGGTATCCTAGT
Vanzoli  ACAGCGCAATCCACTTTAAGAGCTCCTATCGACAAGTGGGTTTACGACCTCGATGTTGG-ATCAGGGTTCCCTAGT
Adenhya  ACAGCGCAATCCACTTTAAGAGCTCTTATCGACAAGTGGGCTTACGACCTCGATGTTGG-ATCAGGGTACCCCAGT
Lithody  ACAGCGCAATCCACTTCAAGAGCCCCTATCGACAAGTGGGTTTACGACCTCGATGTTGG-ATCAGGGTATCCCAGT
Physala  ACAGCGCAATCCACTTCAAGAGCTCTTATCGACAAGTGGGTTTACGACCTCGATGTTGG-ATCAGGGTATCCCAGT

Diedrus  GGTGTAGCCGCTACTAAAGGTTCGTTTGTTCAACGATTAAAACCCTACGTGATCTGAGTTCAGACCGGAGTAATCC
Riveroi  GGTGCAGCCGCTGCTTACGGTTCGTTTGTTCAACGATTAAAACCCTACGTGATCTGAGTTCAGACCGGAGTAATCC
Silvani  GGTGCAGCCGCTACTAAAGGTTCGTTTGTTCAACGATTAAAACCCTACGTGATCTGAGTTCAGACCGGAGTAATCC
Bufoniu  GGTGCAGCCGCTACTGATGGTTCGTTTGTTCAACGATTAAAACCCTACGTGATCTGAGTTCAGACCGGAGTAATCC
Fuscuss  GGTGCAGCCGCTACTAATGGTTCGTTTGTTCAACGATTAAAACCCTACGTGATCTGAGTTCAGACCGGAGTAATCC
Chaquen  GGTGCAGCCGCTACTAAAGGTTCGTTTGTTCAACGATTAAAACCCTACGTGATCTGAGTTCAGACCGGAGTAATCC
Insular  GGTGCAGCCGCTACTAATGGTTCGTTTGTTCAACGATTAAAACCCTACGTGATCTGAGTTCAGACCGGAGTAATCC
Tyloide  GGTGCAGCCGCTGCTAACGGTTCGTTTGTTCAACGATTAAAACCCTACGTGATCTGAGTTCAGACCGGAGCAATCC
Melanon  GGTGNAGCCGCTNCTAAAGGTTCGTTTGTTCAACGATTAAAACCCTACGTGATCTGAGTTCAGACCGGAGTAATCC
Pentada  GGTGCAGCCGCTACTAACGGTTCGTTTGTTCAACGATTAAAACCCTACGTGATCTGAGTTCAGACCGGAGTAATCC
Vanzoli  GGTGCAGCCGCTGCTAACGGTTCGTTTGTTCAACGATTAAAACCCTACGTGATCTGAGTTCAGACCGGAGCAATCC
Adenhya  GGTGCAGCCGCTACTAAAGGTTCGTTTGTTCAACGATTAAAACCCTACGTGATCTGAGTTCAGACCGGAGTAATCC
Lithody  GGTGCAGCCGCTACTAAAGGTTCGTTTGTTCAACGATTAAAACCCTACGTGATCTGAGTTCAGACCGGAGTAATCC
Physala  GGTGCAGCCGCTACTAAAGGTTCGTTTGTTCAACGATTAAAACCCTACGTGATCTGAGTTCAGACCGGAGTAATCC
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Diedrus  AGGTCAGTTTCTATCTATAAAGAGTTTTCTCCAGTACGAAAGGACCGAAAAAACATGGCCAATGCCCCCAGTAAGCC
Riveroi  AGGTCAGTTTCTATCTATAAAGAGCTTTTTCTAGTACGAAAGGACCGGAAAAGCATGGCCCATGCTAACTGCAAGCC
Silvani  AGGTCAGTTTCTATCTATAAAGAGTTTTTTCCAGTACGAAAGGACCGAAAAAACATGGCCCATACTTCATGCAAGCC
Bufoniu  AGGTCAGTTTCTATCTATAAAGAGCTTTTTCTAGTACGAAAGGACCGAAAAAGCACGGCCTATACCTAACGCAAGCC
Fuscuss  AGGTCAGTTTCTATCTATAAAGAGCTTTTTCTAGTACGAAAGGACCGAAAAAGCACGGCCTATACTCTAAGCAAGCC
Chaquen  AGGTCAGTTTCTATCTATAAAGAGCTTTTTCTAGTACGAAAGGACCGAAAAAGCATGGCCTATACTTCATGCAAGCC
Insular  AGGTCAGTTTCTATCTATAAAGAGCCTTTTCTAGTACGAAAGGACCGAAAAAGCATGGCCTATACTATATGCAAGCC
Tyloide  AGGTCAGTTTCTATCTATAAAGAGTTTCTTCTAGTACGAAAGGACCGAAGAAACATGGCCAATGCCTC-CGTAAGCC
Melanon  AGGTCAGTTTCTATCNATAAAGAGATTTTTCTAGTACGAAAGGACCGAAAAAGCATGGCCCATACTTCATGCAAGCC
Pentada  AGGTCAGTTTCTATCTATAAAAAGCTCTTTCTAGTACGAAAGGACCGAAAAAGCATGGCCTATACTTAATGCAAGCC
Vanzoli  AGGTCAGTTTCTATCTATAAAGAGCTTTTTCTAGTACGAAAGGACCGAAAAAACATGGCCAATGCCAA-AGTAAGCC
Adenhya  AGGTCAGTTTCTATCTATAAAGAGCTTTTTTTAGTACGAAAGGACCAAAAAAGCATGGCCAATGCTTC-AATAAGCC
Lithody  AGGTCAGTTTCTATCTATAAAGAGCTTTTTTTAGTACGAAAGGACCAAAAAAGCATGGTCCATGTTTATTACAAACC
Physala  AGGTCAGTTTCTATCTATAAAGAGCTTTTTCTAGTACGAAAGGACCGAAAAAGCATGGCCAATATTTTATATAAGCC

Diedrus  ATAACAACCTATTTATG-ACACAAT
Riveroi  ATAACAATTA-TTTATG-ATACAAC
Silvani  ATAACAATCAATTTTATGACACAAC
Bufoniu  GTAGCAACCAATTTATG-ACACAGC
Fuscuss  GTAACAACCAACTTATG-ACATAGT
Chaquen  ATAACAGATAATTTATG-ACACAAC
Insular  ATAACAACTAATTTATG-ACACAAC
Tyloide  ATAGCAACTTATTTATG-ACTTAAC
Melanon  ATAACGCTCAATTTATG-ACTAAAC
Pentada  ATAACAGCCAATTTATG-ACATAAC
Vanzoli  ATAATACCTTATTTATG-ACCAAAT
Adenhya  ATACCATTC-ATTTATG-AATTTAT
Lithody  ATTCTAATTAACTTTTG-ACTTAAC
Physala  ATAGT--CTAATTTATG-TTTATAC
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