Table S3. Mitochondrial genome features.

*Turrilatirus turritus* 15,076 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-748 | incomplete | — | TAA | 18 |
| tRNA-*Lys* | H | 767-832 | 66 |  |  | 3 |
| tRNA-*Ala* | H | 836-902 | 67 |  |  | 0 |
| tRNA-*Arg* | H | 903-971 | 69 |  |  | 3 |
| tRNA-*Asn* | H | 975-1041 | 67 |  |  | 11 |
| tRNA-*Ile* | H | 1053-1120 | 68 |  |  | 3 |
| *Nad3* | H | 1124-1477 | 354 | ATG | TAA | 0 |
| tRNA-*Ser* | H | 1478-1545 | 68 |  |  | 0 |
| *Nad2* | H | 1546-2600 | 1055 | ATG | TA | 0 |
| *Cox1* | H | 2601-4136 | 1536 | ATG | TAA | 16 |
| *Cox2* | H | 4153-4839 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4838-4905 | 68 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4907-5065  5068-5763  5796-5860 | 159  696  65 | ATG  ATG | TAA  TAA | 2  32  5 |
| tRNA-*Tyr* | L | 5866-5931 | 66 |  |  | 1 |
| tRNA-*Cys* | L | 5933-5996 | 64 |  |  | 0 |
| tRNA-*Trp* | L | 5997-6063 | 67 |  |  | 1 |
| tRNA-*Gln* | L | 6065-6126 | 62 |  |  | 1 |
| tRNA-*Gly* | L | 6127-6194 | 67 |  |  | 0 |
| tRNA-*Glu* | L | 6195-6262 | 68 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6263-7215  7216-7283  7284-8639 | 953  68  1356 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8640-8709 | 70 |  |  | 3 |
| tRNA-*Leu* | H | 8713-8781 | 69 |  |  | 0 |
| *Nad1* | H | 8782-9723 | 942 | ATG | TAA | 5 |
| tRNA-*Pro* | H | 9729-9798 | 70 |  |  | 1 |
| *Nad6* | H | 9800-10300 | 501 | ATG | TAA | 2 |
| *Cytb* | H | 10303-11442 | 1140 | ATG | TAA | 8 |
| tRNA-*Ser* | H | 11451-11514 | 64 |  |  | 0 |
| tRNA-*Thr* | L | 11515-11580 | 66 |  |  | 16 |
| *Nad4L* | H | 11597-11893 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 11905-13260 | 1356 | CTG | TAA | 0 |
| tRNA-*His* | H | 13261-13329 | 69 |  |  | 0 |
| *Nad5* | H | 13330-15048 | 1719 | ATG | TAG | 28 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Tomlinia frausseni* 15,269 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-755 | incomplete | — | TAA | 47 |
| tRNA-*Lys* | H | 803-869 | 67 |  |  | 6 |
| tRNA-*Ala* | H | 876-943 | 68 |  |  | 5 |
| tRNA-*Arg* | H | 949-1017 | 69 |  |  | 1 |
| tRNA-*Asn* | H | 1019-1088 | 70 |  |  | 17 |
| tRNA-*Ile* | H | 1106-1174 | 69 |  |  | 3 |
| *Nad3* | H | 1178-1531 | 354 | ATG | TAG | 8 |
| tRNA-*Ser* | H | 1540-1607 | 68 |  |  | 0 |
| *Nad2* | H | 1608-2663 | 1056 | ATG | TAG | 10 |
| *Cox1* | H | 2674-4209 | 1536 | ATG | TAG | 19 |
| *Cox2* | H | 4229-4915 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4914-4982 | 69 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4984-5142  5152-5847  5895-5961 | 159  696  67 | ATG  ATG | TAA  TAG | 9  47  21 |
| tRNA-*Tyr* | L | 5983-6047 | 65 |  |  | 2 |
| tRNA-*Cys* | L | 6050-6114 | 65 |  |  | 0 |
| tRNA-*Trp* | L | 6115-6182 | 68 |  |  | 1 |
| tRNA-*Gln* | L | 6184-6245 | 62 |  |  | 1 |
| tRNA-*Gly* | L | 6247-6312 | 66 |  |  | 0 |
| tRNA-*Glu* | L | 6313-6380 | 68 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6381-7356  7357-7423  7424-8788 | 976  67  1365 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8789-8858 | 70 |  |  | 11 |
| tRNA-*Leu* | H | 8870-8938 | 69 |  |  | 0 |
| *Nad1* | H | 8939-9880 | 942 | ATG | TAA | 7 |
| tRNA-*Pro* | H | 9888-9955 | 68 |  |  | 1 |
| *Nad6* | H | 9957-10454 | 498 | ATG | TAA | 7 |
| *Cytb* | H | 10462-11601 | 1140 | ATG | TAA | 13 |
| tRNA-*Ser* | H | 11615-11680 | 66 |  |  | 0 |
| tRNA-*Thr* | L | 11681-11747 | 67 |  |  | 23 |
| *Nad4L* | H | 11771-12067 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 12079-13432 | 1354 | TTA | T | 0 |
| tRNA-*His* | H | 13433-13498 | 66 |  |  | 1 |
| *Nad5* | H | 13500-15221 | 1722 | ATG | TAA | 48 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Aplus scacchianus* 15,167 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-756 | incomplete | — | TAA | 18 |
| tRNA-*Lys* | H | 775-843 | 69 |  |  | 5 |
| tRNA-*Ala* | H | 849-915 | 67 |  |  | 0 |
| tRNA-*Arg* | H | 916-984 | 69 |  |  | 13 |
| tRNA-*Asn* | H | 998-1066 | 69 |  |  | 15 |
| tRNA-*Ile* | H | 1082-1152 | 71 |  |  | 3 |
| *Nad3* | H | 1156-1509 | 354 | ATG | TAA | -1 |
| tRNA-*Ser* | H | 1509-1576 | 68 |  |  | 0 |
| *Nad2* | H | 1577-2634 | 1058 | ATG | TA | 0 |
| *Cox1* | H | 2635-4170 | 1536 | ATG | TAA | 28 |
| *Cox2* | H | 4199-4885 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4884-4951 | 68 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4953-5111  5119-5814  5851-5916 | 159  696  66 | ATG  ATG | TAA  TAA | 7  36  6 |
| tRNA-*Tyr* | L | 5923-5988 | 66 |  |  | 1 |
| tRNA-*Cys* | L | 5990-6053 | 64 |  |  | 6 |
| tRNA-*Trp* | L | 6060-6126 | 67 |  |  | 1 |
| tRNA-*Gln* | L | 6128-6189 | 62 |  |  | 1 |
| tRNA-*Gly* | L | 6191-6257 | 67 |  |  | 0 |
| tRNA-*Glu* | L | 6258-6325 | 68 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6326-7274  7275-7343  7344-8710 | 949  69  1367 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8711-8780 | 70 |  |  | 8 |
| tRNA-*Leu* | H | 8789-8857 | 69 |  |  | 0 |
| *Nad1* | H | 8858-9799 | 942 | ATG | TAG | 10 |
| tRNA-*Pro* | H | 9810-9879 | 70 |  |  | 1 |
| *Nad6* | H | 9881-10381 | 501 | ATG | TAA | 7 |
| *Cytb* | H | 10389-11528 | 1140 | ATG | TAA | 9 |
| tRNA-*Ser* | H | 11538-11602 | 65 |  |  | 0 |
| tRNA-*Thr* | L | 11603-11671 | 69 |  |  | 13 |
| *Nad4L* | H | 11685-11981 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 11993-13348 | 1356 | CTC | TAA | 5 |
| tRNA-*His* | H | 13354-13418 | 65 |  |  | 1 |
| *Nad5* | H | 13419-15140 | 1722 | ATG | TAG | 27 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Turrilatirus lautus* 15,089

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-750 | incomplete | — | TAA | 14 |
| tRNA-*Lys* | H | 765-830 | 66 |  |  | 5 |
| tRNA-*Ala* | H | 836-903 | 68 |  |  | 0 |
| tRNA-*Arg* | H | 904-972 | 69 |  |  | 8 |
| tRNA-*Asn* | H | 981-1048 | 68 |  |  | 14 |
| tRNA-*Ile* | H | 1063-1129 | 67 |  |  | 3 |
| *Nad3* | H | 1133-1486 | 354 | ATG | TAG | 0 |
| tRNA-*Ser* | H | 1487-1554 | 68 |  |  | 0 |
| *Nad2* | H | 1555-2609 | 1055 | ATG | TA | 0 |
| *Cox1* | H | 2610-4145 | 1536 | ATG | TAA | 12 |
| *Cox2* | H | 4158-4844 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4843-4910 | 68 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4912-5070  5077-5772  5806-5871 | 159  696  66 | ATG  ATG | TAA  TAG | 6  33  6 |
| tRNA-*Tyr* | L | 5878-5943 | 66 |  |  | 2 |
| tRNA-*Cys* | L | 5946-6010 | 65 |  |  | 6 |
| tRNA-*Trp* | L | 6011-6077 | 67 |  |  | 1 |
| tRNA-*Gln* | L | 6079-6140 | 62 |  |  | 1 |
| tRNA-*Gly* | L | 6142-6208 | 67 |  |  | 0 |
| tRNA-*Glu* | L | 6209-6275 | 67 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6276-7233  7234-7300  7301-8651 | 958  67  1351 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8652-8721 | 70 |  |  | 5 |
| tRNA-*Leu* | H | 8727-8795 | 69 |  |  | 0 |
| *Nad1* | H | 8796-9737 | 942 | ATG | TAG | 6 |
| tRNA-*Pro* | H | 9744-9813 | 70 |  |  | 1 |
| *Nad6* | H | 9815-10315 | 501 | ATG | TAA | 3 |
| *Cytb* | H | 10319-11458 | 1140 | ATG | TAA | 9 |
| tRNA-*Ser* | H | 11468-11531 | 64 |  |  | 0 |
| tRNA-*Thr* | L | 11532-11598 | 67 |  |  | 19 |
| *Nad4L* | H | 11618-11914 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 11926-13279 | 1354 | CTA | T | 0 |
| tRNA-*His* | H | 13280-13348 | 69 |  |  | 0 |
| *Nad5* | H | 13349-15067 | 1719 | ATG | TAG | 22 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Phrontis luteostoma* 15,142 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-758 | incomplete | — | TAA | 15 |
| tRNA-*Lys* | H | 774-838 | 65 |  |  | 2 |
| tRNA-*Ala* | H | 841-907 | 67 |  |  | 4 |
| tRNA-*Arg* | H | 912-980 | 69 |  |  | 5 |
| tRNA-*Asn* | H | 986-1053 | 68 |  |  | 12 |
| tRNA-*Ile* | H | 1066-1133 | 68 |  |  | 3 |
| *Nad3* | H | 1137-1490 | 354 | ATG | TAA | 0 |
| tRNA-*Ser* | H | 1491-1558 | 68 |  |  | 0 |
| *Nad2* | H | 1559-2613 | 1055 | ATG | TA | 0 |
| *Cox1* | H | 2614-4149 | 1536 | ATG | TAA | 29 |
| *Cox2* | H | 4179-4865 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4864-4931 | 68 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4933-5091  5105-5800  5834-5900 | 159  696  67 | ATG  ATG | TAA  TAA | 13  33  2 |
| tRNA-*Tyr* | L | 5903-5969 | 67 |  |  | 1 |
| tRNA-*Cys* | L | 5971-6035 | 65 |  |  | 0 |
| tRNA-*Trp* | L | 6036-6101 | 66 |  |  | 1 |
| tRNA-*Gln* | L | 6103-6164 | 62 |  |  | 1 |
| tRNA-*Gly* | L | 6166-6232 | 67 |  |  | 12 |
| tRNA-*Glu* | L | 6245-6309 | 65 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6310-7266  7267-7334  7335-8692 | 957  68  1358 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8693-8761 | 69 |  |  | 0 |
| tRNA-*Leu* | H | 8762-8830 | 69 |  |  | 0 |
| *Nad1* | H | 8831-9772 | 942 | ATG | TAG | 11 |
| tRNA-*Pro* | H | 9784-9852 | 69 |  |  | 1 |
| *Nad6* | H | 9854-10354 | 501 | ATG | TAA | 4 |
| *Cytb* | H | 10359-11498 | 1140 | ATG | TAA | 6 |
| tRNA-*Ser* | H | 11505-11569 | 65 |  |  | 0 |
| tRNA-*Thr* | L | 11570-11635 | 66 |  |  | 18 |
| *Nad4L* | H | 11654-11950 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 11962-13317 | 1356 | TTG | TAA | 0 |
| tRNA-*His* | H | 13318-13383 | 66 |  |  | 1 |
| *Nad5* | H | 13385-15106 | 1722 | ATG | TAG | 36 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Phrontis vibex* 15,115 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-748 | incomplete | — | TAA | 15 |
| tRNA-*Lys* | H | 764-828 | 65 |  |  | 2 |
| tRNA-*Ala* | H | 831-897 | 67 |  |  | 4 |
| tRNA-*Arg* | H | 902-970 | 69 |  |  | 5 |
| tRNA-*Asn* | H | 976-1043 | 68 |  |  | 12 |
| tRNA-*Ile* | H | 1056-1123 | 68 |  |  | 3 |
| *Nad3* | H | 1127-1480 | 354 | ATG | TAA | 0 |
| tRNA-*Ser* | H | 1481-1548 | 68 |  |  | 0 |
| *Nad2* | H | 1549-2603 | 1055 | ATG | TA | 0 |
| *Cox1* | H | 2604-4139 | 1536 | ATG | TAA | 29 |
| *Cox2* | H | 4169-4855 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4854-4921 | 68 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4923-5081  5095-5790  5824-5890 | 159  696  67 | ATG  ATG | TAA  TAA | 13  33  2 |
| tRNA-*Tyr* | L | 5893-5959 | 67 |  |  | 1 |
| tRNA-*Cys* | L | 5961-6024 | 64 |  |  | 0 |
| tRNA-*Trp* | L | 6025-6090 | 66 |  |  | 1 |
| tRNA-*Gln* | L | 6092-6153 | 62 |  |  | 1 |
| tRNA-*Gly* | L | 6155-6221 | 67 |  |  | 12 |
| tRNA-*Glu* | L | 6234-6298 | 65 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6299-7255  7256-7323  7324-8680 | 957  68  1357 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8681-8749 | 69 |  |  | 0 |
| tRNA-*Leu* | H | 8750-8818 | 69 |  |  | 0 |
| *Nad1* | H | 8819-9760 | 942 | ATG | TAG | 11 |
| tRNA-*Pro* | H | 9772-9840 | 69 |  |  | 1 |
| *Nad6* | H | 9842-10342 | 501 | ATG | TAA | 4 |
| *Cytb* | H | 10347-11486 | 1140 | ATG | TAA | 6 |
| tRNA-*Ser* | H | 11493-11557 | 65 |  |  | 0 |
| tRNA-*Thr* | L | 11558-11623 | 66 |  |  | 20 |
| *Nad4L* | H | 11644-11940 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 11952-13307 | 1356 | TTA | TAA | 0 |
| tRNA-*His* | H | 13308-13374 | 67 |  |  | 1 |
| *Nad5* | H | 13376-15097 | 1722 | ATG | TAG | 18 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Phrontis candidissima* 15,124 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-747 | incomplete | — | TAA | 11 |
| tRNA-*Lys* | H | 759-823 | 65 |  |  | 2 |
| tRNA-*Ala* | H | 826-893 | 68 |  |  | 6 |
| tRNA-*Arg* | H | 900-968 | 69 |  |  | 3 |
| tRNA-*Asn* | H | 972-1038 | 67 |  |  | 12 |
| tRNA-*Ile* | H | 1051-1118 | 68 |  |  | 3 |
| *Nad3* | H | 1122-1475 | 354 | ATG | TAA | 0 |
| tRNA-*Ser* | H | 1476-1543 | 68 |  |  | 0 |
| *Nad2* | H | 1544-2598 | 1055 | ATG | TA | 0 |
| *Cox1* | H | 2599-4134 | 1536 | ATG | TAG | 31 |
| *Cox2* | H | 4166-4852 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4851-4918 | 68 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4920-5078  5084-5779  5818-5884 | 159  696  67 | ATG  ATG | TAA  TAA | 5  38  2 |
| tRNA-*Tyr* | L | 5887-5953 | 67 |  |  | 1 |
| tRNA-*Cys* | L | 5955-6020 | 66 |  |  | 0 |
| tRNA-*Trp* | L | 6021-6087 | 67 |  |  | 1 |
| tRNA-*Gln* | L | 6089-6150 | 62 |  |  | 1 |
| tRNA-*Gly* | L | 6152-6218 | 67 |  |  | 8 |
| tRNA-*Glu* | L | 6227-6291 | 65 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6292-7246  7247-7314  7315-8671 | 955  68  1357 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8672-8740 | 69 |  |  | 15 |
| tRNA-*Leu* | H | 8756-8824 | 69 |  |  | 0 |
| *Nad1* | H | 8825-9766 | 942 | ATG | TAA | 7 |
| tRNA-*Pro* | H | 9774-9841 | 68 |  |  | 1 |
| *Nad6* | H | 9843-10343 | 501 | ATG | TAA | 3 |
| *Cytb* | H | 10347-11486 | 1140 | ATG | TAA | 8 |
| tRNA-*Ser* | H | 11495-11559 | 65 |  |  | 0 |
| tRNA-*Thr* | L | 11560-11625 | 66 |  |  | 20 |
| *Nad4L* | H | 11646-11942 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 11954-13309 | 1356 | CTA | TAG | -1 |
| tRNA-*His* | H | 13309-13378 | 70 |  |  | 1 |
| *Nad5* | H | 13380-15101 | 1722 | ATG | TAA | 23 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Phrontis antillarum* 15,129 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-750 | incomplete | — | TAA | 10 |
| tRNA-*Lys* | H | 761-825 | 65 |  |  | 2 |
| tRNA-*Ala* | H | 828-894 | 67 |  |  | 4 |
| tRNA-*Arg* | H | 899-967 | 69 |  |  | 5 |
| tRNA-*Asn* | H | 973-1040 | 68 |  |  | 16 |
| tRNA-*Ile* | H | 1057-1124 | 68 |  |  | 3 |
| *Nad3* | H | 1128-1481 | 354 | ATG | TAA | 0 |
| tRNA-*Ser* | H | 1482-1549 | 68 |  |  | 0 |
| *Nad2* | H | 1550-2604 | 1055 | ATG | TA | 0 |
| *Cox1* | H | 2605-4140 | 1536 | ATG | TAA | 24 |
| *Cox2* | H | 4165-4851 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4850-4917 | 68 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4919-5077  5087-5782  5822-5888 | 159  696  67 | ATG  ATG | TAA  TAA | 9  39  3 |
| tRNA-*Tyr* | L | 5892-5958 | 67 |  |  | 1 |
| tRNA-*Cys* | L | 5960-6024 | 65 |  |  | 0 |
| tRNA-*Trp* | L | 6025-6091 | 67 |  |  | 1 |
| tRNA-*Gln* | L | 6093-6154 | 62 |  |  | 1 |
| tRNA-*Gly* | L | 6156-6222 | 67 |  |  | 10 |
| tRNA-*Glu* | L | 6233-6297 | 65 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6298-7256  7257-7324  7325-8683 | 959  68  1359 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8684-8752 | 69 |  |  | 1 |
| tRNA-*Leu* | H | 8754-8822 | 69 |  |  | 0 |
| *Nad1* | H | 8823-9764 | 942 | ATG | TAA | 7 |
| tRNA-*Pro* | H | 9772-9840 | 69 |  |  | 1 |
| *Nad6* | H | 9842-10342 | 501 | ATG | TAA | 3 |
| *Cytb* | H | 10346-11485 | 1140 | ATG | TAA | 12 |
| tRNA-*Ser* | H | 11498-11562 | 65 |  |  | 0 |
| tRNA-*Thr* | L | 11563-11629 | 67 |  |  | 22 |
| *Nad4L* | H | 11652-11948 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 11960-13315 | 1356 | CTT | TAG | -1 |
| tRNA-*His* | H | 13315-13379 | 65 |  |  | 1 |
| *Nad5* | H | 13381-15102 | 1722 | ATG | TAG | 27 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Phrontis alba* 15,123 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-750 | incomplete | — | TAA | 9 |
| tRNA-*Lys* | H | 760-824 | 65 |  |  | 1 |
| tRNA-*Ala* | H | 826-892 | 67 |  |  | 5 |
| tRNA-*Arg* | H | 898-966 | 69 |  |  | 5 |
| tRNA-*Asn* | H | 972-1036 | 65 |  |  | 17 |
| tRNA-*Ile* | H | 1054-1121 | 68 |  |  | 3 |
| *Nad3* | H | 1125-1478 | 354 | ATG | TAG | 0 |
| tRNA-*Ser* | H | 1479-1546 | 68 |  |  | 0 |
| *Nad2* | H | 1547-2601 | 1055 | ATG | TA | 0 |
| *Cox1* | H | 2602-4137 | 1536 | ATG | TAA | 26 |
| *Cox2* | H | 4164-4850 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4849-4916 | 68 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4918-5076  5090-5785  5825-5891 | 159  696  67 | ATG  ATG | TAA  TAA | 13  39  3 |
| tRNA-*Tyr* | L | 5895-5961 | 67 |  |  | 1 |
| tRNA-*Cys* | L | 5963-6027 | 65 |  |  | 0 |
| tRNA-*Trp* | L | 6028-6093 | 66 |  |  | 1 |
| tRNA-*Gln* | L | 6095-6156 | 62 |  |  | 1 |
| tRNA-*Gly* | L | 6158-6224 | 67 |  |  | 9 |
| tRNA-*Glu* | L | 6234-6298 | 65 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6299-7255  7256-7323  7324-8679 | 957  68  1356 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8680-8748 | 69 |  |  | 4 |
| tRNA-*Leu* | H | 8753-8821 | 69 |  |  | 0 |
| *Nad1* | H | 8822-9763 | 942 | ATG | TAA | 7 |
| tRNA-*Pro* | H | 9771-9839 | 69 |  |  | 1 |
| *Nad6* | H | 9841-10341 | 501 | ATG | TAG | 3 |
| *Cytb* | H | 10345-11484 | 1140 | ATG | TAA | 12 |
| tRNA-*Ser* | H | 11497-11561 | 65 |  |  | 0 |
| tRNA-*Thr* | L | 11562-11629 | 68 |  |  | 21 |
| *Nad4L* | H | 11651-11947 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 11959-13314 | 1356 | CTG | TAG | -1 |
| tRNA-*His* | H | 13314-13378 | 65 |  |  | 1 |
| *Nad5* | H | 13380-15101 | 1722 | ATG | TAG | 22 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Phos hirasei* 15,196 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-747 | incomplete | — | TAA | 18 |
| tRNA-*Lys* | H | 766-833 | 68 |  |  | 8 |
| tRNA-*Ala* | H | 842-908 | 67 |  |  | 1 |
| tRNA-*Arg* | H | 910-978 | 69 |  |  | 10 |
| tRNA-*Asn* | H | 989-1057 | 69 |  |  | 5 |
| tRNA-*Ile* | H | 1063-1131 | 69 |  |  | 3 |
| *Nad3* | H | 1135-1488 | 354 | ATG | TAG | -2 |
| tRNA-*Ser* | H | 1487-1554 | 68 |  |  | 0 |
| *Nad2* | H | 1555-2610 | 1056 | ATG | TAG | 3 |
| *Cox1* | H | 2614-4149 | 1536 | ATG | TAA | 23 |
| *Cox2* | H | 4173-4859 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4858-4925 | 68 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4927-5085  5101-5796  5842-5907 | 159  696  66 | ATG  ATG | TAA  TAA | 15  45  9 |
| tRNA-*Tyr* | L | 5917-5983 | 67 |  |  | 4 |
| tRNA-*Cys* | L | 5988-6053 | 66 |  |  | 0 |
| tRNA-*Trp* | L | 6054-6119 | 66 |  |  | 1 |
| tRNA-*Gln* | L | 6121-6182 | 62 |  |  | 1 |
| tRNA-*Gly* | L | 6184-6250 | 67 |  |  | 0 |
| tRNA-*Glu* | L | 6251-6315 | 65 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6316-7293  7294-7362  7363-8721 | 978  69  1359 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8722-8791 | 70 |  |  | 8 |
| tRNA-*Leu* | H | 8800-8868 | 69 |  |  | 0 |
| *Nad1* | H | 8869-9810 | 942 | ATG | TAA | 11 |
| tRNA-*Pro* | H | 9822-9893 | 72 |  |  | 1 |
| *Nad6* | H | 9895-10395 | 501 | ATG | TAA | 17 |
| *Cytb* | H | 10413-11552 | 1140 | ATG | TAA | 7 |
| tRNA-*Ser* | H | 11560-11624 | 65 |  |  | 0 |
| tRNA-*Thr* | L | 11625-11692 | 68 |  |  | 20 |
| *Nad4L* | H | 11713-12009 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 12021-13376 | 1356 | CTT | TAA | 4 |
| tRNA-*His* | H | 13381-13445 | 65 |  |  | 1 |
| *Nad5* | H | 13447-15168 | 1722 | ATG | TAA | 28 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Phos cf. roseatus* 15,199 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-750 | incomplete | — | TAA | 19 |
| tRNA-*Lys* | H | 770-837 | 68 |  |  | 9 |
| tRNA-*Ala* | H | 847-913 | 67 |  |  | 2 |
| tRNA-*Arg* | H | 916-984 | 69 |  |  | 10 |
| tRNA-*Asn* | H | 995-1063 | 69 |  |  | 4 |
| tRNA-*Ile* | H | 1068-1136 | 69 |  |  | 1 |
| *Nad3* | H | 1138-1491 | 354 | ATG | TAA | 0 |
| tRNA-*Ser* | H | 1492-1559 | 68 |  |  | 0 |
| *Nad2* | H | 1560-2615 | 1056 | ATG | TAA | 2 |
| *Cox1* | H | 2618-4153 | 1536 | ATG | TAA | 20 |
| *Cox2* | H | 4174-4860 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4859-4926 | 68 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4928-5086  5101-5796  5842-5907 | 159  696  66 | ATG  ATG | TAA  TAA | 14  45  13 |
| tRNA-*Tyr* | L | 5921-5988 | 68 |  |  | 4 |
| tRNA-*Cys* | L | 5993-6058 | 66 |  |  | 0 |
| tRNA-*Trp* | L | 6059-6124 | 66 |  |  | 1 |
| tRNA-*Gln* | L | 6126-6187 | 62 |  |  | 1 |
| tRNA-*Gly* | L | 6189-6255 | 67 |  |  | 0 |
| tRNA-*Glu* | L | 6256-6321 | 66 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6322-7298  7299-7367  7368-8734 | 977  69  1367 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8735-8804 | 70 |  |  | 4 |
| tRNA-*Leu* | H | 8809-8877 | 69 |  |  | 0 |
| *Nad1* | H | 8878-9819 | 942 | ATG | TAG | 10 |
| tRNA-*Pro* | H | 9830-9900 | 71 |  |  | 1 |
| *Nad6* | H | 9902-10402 | 501 | ATG | TAA | 17 |
| *Cytb* | H | 10420-11559 | 1140 | ATG | TAA | 9 |
| tRNA-*Ser* | H | 11569-11633 | 65 |  |  | 0 |
| tRNA-*Thr* | L | 11634-11701 | 68 |  |  | 23 |
| *Nad4L* | H | 11725-12021 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 12033-13388 | 1356 | CTA | TAA | 3 |
| tRNA-*His* | H | 13392-13456 | 65 |  |  | 1 |
| *Nad5* | H | 13458-15179 | 1722 | ATG | TAG | 20 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Peristernia nassatula* 15,106 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-747 | incomplete | — | TAA | 15 |
| tRNA-*Lys* | H | 763-830 | 68 |  |  | 4 |
| tRNA-*Ala* | H | 835-902 | 68 |  |  | 2 |
| tRNA-*Arg* | H | 903-971 | 69 |  |  | 2 |
| tRNA-*Asn* | H | 974-1040 | 67 |  |  | 16 |
| tRNA-*Ile* | H | 1057-1123 | 67 |  |  | 3 |
| *Nad3* | H | 1127-1480 | 354 | ATG | TAA | 0 |
| tRNA-*Ser* | H | 1481-1548 | 68 |  |  | 0 |
| *Nad2* | H | 1549-2603 | 1055 | ATG | TA | 0 |
| *Cox1* | H | 2604-4139 | 1536 | ATG | TAG | 23 |
| *Cox2* | H | 4163-4849 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4848-4915 | 68 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4917-5075  5082-5777  5809-5874 | 159  696  66 | ATG  ATG | TAA  TAA | 6  31  8 |
| tRNA-*Tyr* | L | 5883-5947 | 65 |  |  | 1 |
| tRNA-*Cys* | L | 5949-6013 | 65 |  |  | 0 |
| tRNA-*Trp* | L | 6014-6080 | 67 |  |  | 1 |
| tRNA-*Gln* | L | 6082-6143 | 62 |  |  | 1 |
| tRNA-*Gly* | L | 6145-6211 | 67 |  |  | 0 |
| tRNA-*Glu* | L | 6212-6277 | 66 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6278-7240  7241-7307  7308-8660 | 963  67  1353 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8661-8730 | 70 |  |  | 6 |
| tRNA-*Leu* | H | 8737-8805 | 69 |  |  | 0 |
| *Nad1* | H | 8806-9747 | 942 | ATG | TAA | 6 |
| tRNA-*Pro* | H | 9754-9823 | 70 |  |  | 1 |
| *Nad6* | H | 9825-10325 | 501 | ATG | TAG | 2 |
| *Cytb* | H | 10328-11467 | 1140 | ATG | TAA | 9 |
| tRNA-*Ser* | H | 11477-11540 | 64 |  |  | 0 |
| tRNA-*Thr* | L | 11541-11608 | 68 |  |  | 17 |
| *Nad4L* | H | 11626-11922 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 11934-13287 | 1354 | ATA | T | 0 |
| tRNA-*His* | H | 13288-13356 | 69 |  |  | 0 |
| *Nad5* | H | 13357-15075 | 1719 | ATG | TAG | 31 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Peristernia marquesana* 15,088 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-738 | incomplete | — | TAG | 16 |
| tRNA-*Lys* | H | 755-824 | 70 |  |  | 5 |
| tRNA-*Ala* | H | 830-897 | 68 |  |  | 0 |
| tRNA-*Arg* | H | 898-966 | 69 |  |  | 2 |
| tRNA-*Asn* | H | 969-1035 | 67 |  |  | 17 |
| tRNA-*Ile* | H | 1053-1119 | 67 |  |  | 3 |
| *Nad3* | H | 1123-1476 | 354 | ATG | TAA | 0 |
| tRNA-*Ser* | H | 1477-1544 | 68 |  |  | 0 |
| *Nad2* | H | 1545-2599 | 1055 | ATG | TA | 0 |
| *Cox1* | H | 2600-4135 | 1536 | ATG | TAA | 12 |
| *Cox2* | H | 4148-4834 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4833-4900 | 68 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4902-5060  5067-5762  5796-5861 | 159  696  66 | ATG  ATG | TAA  TAA | 6  33  9 |
| tRNA-*Tyr* | L | 5871-5936 | 66 |  |  | 1 |
| tRNA-*Cys* | L | 5938-6002 | 65 |  |  | 0 |
| tRNA-*Trp* | L | 6003-6069 | 67 |  |  | 1 |
| tRNA-*Gln* | L | 6071-6133 | 63 |  |  | 1 |
| tRNA-*Gly* | L | 6135-6201 | 67 |  |  | 0 |
| tRNA-*Glu* | L | 6202-6268 | 67 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6269-7229  7230-7296  7297-8647 | 961  67  1351 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8648-8716 | 69 |  |  | 5 |
| tRNA-*Leu* | H | 8722-8790 | 69 |  |  | 0 |
| *Nad1* | H | 8791-9732 | 942 | ATG | TAA | 6 |
| tRNA-*Pro* | H | 9739-9808 | 70 |  |  | 1 |
| *Nad6* | H | 9810-10310 | 501 | ATG | TAA | 3 |
| *Cytb* | H | 10314-11453 | 1140 | ATG | TAA | 9 |
| tRNA-*Ser* | H | 11463-11526 | 64 |  |  | 0 |
| tRNA-*Thr* | L | 11527-11593 | 67 |  |  | 19 |
| *Nad4L* | H | 11613-11909 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 11921-13274 | 1354 | ATA | T | 0 |
| tRNA-*His* | H | 13275-13344 | 70 |  |  | 0 |
| *Nad5* | H | 13345-15063 | 1719 | ATG | TAG | 25 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Naytia priscardi* 15,178bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-750 | incomplete | — | TAA | 15 |
| tRNA-*Lys* | H | 766-832 | 67 |  |  | 3 |
| tRNA-*Ala* | H | 836-903 | 68 |  |  | 6 |
| tRNA-*Arg* | H | 910-978 | 69 |  |  | 5 |
| tRNA-*Asn* | H | 984-1050 | 67 |  |  | 17 |
| tRNA-*Ile* | H | 1068-1135 | 68 |  |  | 3 |
| *Nad3* | H | 1139-1492 | 354 | ATG | TAG | 0 |
| tRNA-*Ser* | H | 1493-1560 | 68 |  |  | 0 |
| *Nad2* | H | 1561-2616 | 1056 | ATG | TAA | 0 |
| *Cox1* | H | 2617-4152 | 1536 | ATG | TAA | 30 |
| *Cox2* | H | 4183-4869 | 687 | ATG | TAA | 1 |
| tRNA-*Asp* | H | 4871-4938 | 68 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4940-5098  5105-5800  5844-5911 | 159  696  68 | ATG  ATG | TAA  TAA | 6  43  8 |
| tRNA-*Tyr* | L | 5920-5986 | 67 |  |  | 1 |
| tRNA-*Cys* | L | 5988-6052 | 65 |  |  | 0 |
| tRNA-*Trp* | L | 6053-6118 | 66 |  |  | 1 |
| tRNA-*Gln* | L | 6120-6181 | 62 |  |  | 1 |
| tRNA-*Gly* | L | 6183-6249 | 67 |  |  | 15 |
| tRNA-*Glu* | L | 6265-6329 | 65 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6330-7285  7286-7353  7354-8711 | 956  68  1358 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8712-8780 | 69 |  |  | 2 |
| tRNA-*Leu* | H | 8783-8851 | 69 |  |  | 0 |
| *Nad1* | H | 8852-9793 | 942 | ATG | TAA | 8 |
| tRNA-*Pro* | H | 9802-9869 | 68 |  |  | 1 |
| *Nad6* | H | 9871-10371 | 501 | ATG | TAA | 13 |
| *Cytb* | H | 10385-11524 | 1140 | ATG | TAA | 16 |
| tRNA-*Ser* | H | 11541-11605 | 65 |  |  | 0 |
| tRNA-*Thr* | L | 11606-11673 | 68 |  |  | 31 |
| *Nad4L* | H | 11705-12001 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 12013-13368 | 1356 | TTA | TAG | -1 |
| tRNA-*His* | H | 13368-13432 | 65 |  |  | 1 |
| *Nad5* | H | 13434-15158 | 1725 | ATG | TAG | 20 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Naytia glabrata* 15,111 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-747 | incomplete | — | TAA | 15 |
| tRNA-*Lys* | H | 763-828 | 66 |  |  | 1 |
| tRNA-*Ala* | H | 830-897 | 68 |  |  | 6 |
| tRNA-*Arg* | H | 904-972 | 69 |  |  | 3 |
| tRNA-*Asn* | H | 976-1042 | 67 |  |  | 17 |
| tRNA-*Ile* | H | 1060-1127 | 68 |  |  | 3 |
| *Nad3* | H | 1131-1484 | 354 | ATG | TAA | 1 |
| tRNA-*Ser* | H | 1486-1553 | 68 |  |  | 0 |
| *Nad2* | H | 1554-2608 | 1055 | ATG | TA | 0 |
| *Cox1* | H | 2609-4144 | 1536 | ATG | TAG | 29 |
| *Cox2* | H | 4174-4860 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4859-4926 | 68 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4928-5086  5094-5789  5826-5892 | 159  696  67 | ATG  ATG | TAA  TAA | 7  36  6 |
| tRNA-*Tyr* | L | 5899-5964 | 66 |  |  | 1 |
| tRNA-*Cys* | L | 5966-6030 | 65 |  |  | 0 |
| tRNA-*Trp* | L | 6031-6096 | 66 |  |  | 1 |
| tRNA-*Gln* | L | 6098-6159 | 62 |  |  | 1 |
| tRNA-*Gly* | L | 6161-6227 | 67 |  |  | 13 |
| tRNA-*Glu* | L | 6241-6305 | 65 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6306-7259  7260-7327  7328-8677 | 954  68  1350 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8678-8746 | 69 |  |  | 6 |
| tRNA-*Leu* | H | 8753-8821 | 69 |  |  | 0 |
| *Nad1* | H | 8822-9763 | 942 | ATG | TAA | 7 |
| tRNA-*Pro* | H | 9771-9838 | 68 |  |  | 1 |
| *Nad6* | H | 9840-10340 | 501 | ATG | TAA | 5 |
| *Cytb* | H | 10346-11485 | 1140 | ATG | TAG | 11 |
| tRNA-*Ser* | H | 11497-11561 | 65 |  |  | 0 |
| tRNA-*Thr* | L | 11562-11628 | 67 |  |  | 19 |
| *Nad4L* | H | 11648-11944 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 11956-13311 | 1356 | CTA | TAG | -1 |
| tRNA-*His* | H | 13311-13376 | 66 |  |  | 1 |
| *Nad5* | H | 13378-15099 | 1722 | ATG | TAG | 12 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Fasciolaria tulipa* 15,042 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-747 | incomplete | — | TAA | 12 |
| tRNA-*Lys* | H | 760-822 | 63 |  |  | 0 |
| tRNA-*Ala* | H | 823-889 | 67 |  |  | 0 |
| tRNA-*Arg* | H | 890-958 | 69 |  |  | 3 |
| tRNA-*Asn* | H | 962-1027 | 66 |  |  | 9 |
| tRNA-*Ile* | H | 1037-1102 | 66 |  |  | 3 |
| *Nad3* | H | 1106-1459 | 354 | ATG | TAA | 0 |
| tRNA-*Ser* | H | 1460-1527 | 68 |  |  | 0 |
| *Nad2* | H | 1528-2582 | 1055 | ATG | TA | 0 |
| *Cox1* | H | 2583-4118 | 1536 | ATG | TAA | 25 |
| *Cox2* | H | 4144-4830 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4829-4896 | 68 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4898-5056  5059-5751  5792-5856 | 159  693  65 | ATG  ATG | TAA | 2  40  5 |
| tRNA-*Tyr* | L | 5862-5927 | 66 |  |  | 1 |
| tRNA-*Cys* | L | 5929-5991 | 63 |  |  | 0 |
| tRNA-*Trp* | L | 5992-6058 | 67 |  |  | 1 |
| tRNA-*Gln* | L | 6060-6121 | 62 |  |  | 1 |
| tRNA-*Gly* | L | 6123-6188 | 66 |  |  | 0 |
| tRNA-*Glu* | L | 6189-6254 | 66 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6255-7208  7209-7275  7276-8608 | 954  67  1333 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8609-8678 | 70 |  |  | 4 |
| tRNA-*Leu* | H | 8683-8751 | 69 |  |  | 0 |
| *Nad1* | H | 8752-9693 | 942 | ATG | TAG | 6 |
| tRNA-*Pro* | H | 9700-9767 | 68 |  |  | 1 |
| *Nad6* | H | 9769-10269 | 501 | ATG | TAA | 2 |
| *Cytb* | H | 10272-11411 | 1140 | ATG | TAG | 11 |
| tRNA-*Ser* | H | 11423-11486 | 64 |  |  | 0 |
| tRNA-*Thr* | L | 11487-11551 | 65 |  |  | 16 |
| *Nad4L* | H | 11568-11864 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 11876-13231 | 1356 | CTT | TAA | 0 |
| tRNA-*His* | H | 13232-13296 | 65 |  |  | 0 |
| *Nad5* | H | 13297-15012 | 1716 | ATG | TAG | 30 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Engoniophos unicinctus* 15,215 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-757 | incomplete | — | TAA | 16 |
| tRNA-*Lys* | H | 774-841 | 68 |  |  | 5 |
| tRNA-*Ala* | H | 847-913 | 67 |  |  | 0 |
| tRNA-*Arg* | H | 914-982 | 69 |  |  | 5 |
| tRNA-*Asn* | H | 988-1055 | 68 |  |  | 23 |
| tRNA-*Ile* | H | 1079-1146 | 68 |  |  | 3 |
| *Nad3* | H | 1150-1503 | 354 | ATG | TAA | 0 |
| tRNA-*Ser* | H | 1504-1571 | 68 |  |  | 0 |
| *Nad2* | H | 1572-2625 | 1054 | ATG | T | 0 |
| *Cox1* | H | 2626-4161 | 1536 | ATG | TAA | 27 |
| *Cox2* | H | 4189-4875 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4874-4941 | 68 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4943-5101  5113-5808  5874-5939 | 159  696  66 | ATG  ATG | TAA  TAA | 11  65  9 |
| tRNA-*Tyr* | L | 5949-6016 | 68 |  |  | 2 |
| tRNA-*Cys* | L | 6019-6083 | 65 |  |  | 0 |
| tRNA-*Trp* | L | 6084-6149 | 66 |  |  | 1 |
| tRNA-*Gln* | L | 6151-6212 | 62 |  |  | 1 |
| tRNA-*Gly* | L | 6214-6280 | 67 |  |  | 0 |
| tRNA-*Glu* | L | 6281-6347 | 67 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6348-7321  7322-7390  7391-8759 | 974  69  1369 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8760-8829 | 70 |  |  | 7 |
| tRNA-*Leu* | H | 8837-8905 | 69 |  |  | 0 |
| *Nad1* | H | 8906-9847 | 942 | ATG | TAA | 11 |
| tRNA-*Pro* | H | 9859-9929 | 71 |  |  | 1 |
| *Nad6* | H | 9931-10431 | 501 | ATG | TAA | 12 |
| *Cytb* | H | 10444-11583 | 1140 | ATG | TAA | 10 |
| tRNA-*Ser* | H | 11594-11658 | 65 |  |  | 0 |
| tRNA-*Thr* | L | 11659-11726 | 68 |  |  | 19 |
| *Nad4L* | H | 11746-12042 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 12054-13409 | 1356 | TTA | TAA | 0 |
| tRNA-*His* | H | 13410-13475 | 66 |  |  | 1 |
| *Nad5* | H | 13477-15198 | 1722 | ATG | TAG | 17 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Cyllene parvula* 15,207 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-771 | incomplete | — | TAA | 6 |
| tRNA-*Lys* | H | 778-846 | 69 |  |  | 4 |
| tRNA-*Ala* | H | 851-918 | 68 |  |  | 0 |
| tRNA-*Arg* | H | 919-987 | 69 |  |  | 18 |
| tRNA-*Asn* | H | 1006-1074 | 69 |  |  | 9 |
| tRNA-*Ile* | H | 1084-1154 | 71 |  |  | 3 |
| *Nad3* | H | 1158-1511 | 354 | ATG | TAA | -1 |
| tRNA-*Ser* | H | 1511-1580 | 70 |  |  | -1 |
| *Nad2* | H | 1580-2638 | 1059 | ATG | TAA | 0 |
| *Cox1* | H | 2639-4174 | 1536 | ATG | TAA | 22 |
| *Cox2* | H | 4197-4883 | 687 | ATG | TAA | -3 |
| tRNA-*Asp* | H | 4881-4950 | 70 |  |  | 0 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4951-5109  5117-5812  5849-5915 | 159  696  67 | ATG  ATG | TAG  TAA | 7  36  2 |
| tRNA-*Tyr* | L | 5918-5988 | 71 |  |  | 0 |
| tRNA-*Cys* | L | 5989-6053 | 65 |  |  | 0 |
| tRNA-*Trp* | L | 6054-6121 | 68 |  |  | 0 |
| tRNA-*Gln* | L | 6122-6185 | 64 |  |  | 1 |
| tRNA-*Gly* | L | 6187-6253 | 67 |  |  | 0 |
| tRNA-*Glu* | L | 6254-6322 | 69 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6323-7283  7284-7351  7352-8714 | 961  68  1363 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8715-8783 | 69 |  |  | 7 |
| tRNA-*Leu* | H | 8791-8860 | 70 |  |  | 0 |
| *Nad1* | H | 8861-9802 | 942 | ATG | TAA | 13 |
| tRNA-*Pro* | H | 9816-9885 | 70 |  |  | 1 |
| *Nad6* | H | 9887-10387 | 501 | ATG | TAA | 9 |
| *Cytb* | H | 10397-11536 | 1140 | ATG | TAA | 14 |
| tRNA-*Ser* | H | 11551-11614 | 64 |  |  | 0 |
| tRNA-*Thr* | L | 11615-11681 | 67 |  |  | 16 |
| *Nad4L* | H | 11698-11994 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 12006-13361 | 1356 | CTA | TAA | 1 |
| tRNA-*His* | H | 13363-13429 | 67 |  |  | 0 |
| *Nad5* | H | 13430-15154 | 1725 | ATG | TAG | 53 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Cyllene lamarcki* 15,187 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-750 | incomplete | — | TAA | 16 |
| tRNA-*Lys* | H | 767-835 | 69 |  |  | 5 |
| tRNA-*Ala* | H | 841-907 | 67 |  |  | 0 |
| tRNA-*Arg* | H | 908-976 | 69 |  |  | 20 |
| tRNA-*Asn* | H | 997-1062 | 66 |  |  | 4 |
| tRNA-*Ile* | H | 1067-1135 | 69 |  |  | 3 |
| *Nad3* | H | 1139-1492 | 354 | ATG | TAA | 0 |
| tRNA-*Ser* | H | 1493-1560 | 68 |  |  | 0 |
| *Nad2* | H | 1561-2619 | 1059 | ATG | TAA | 0 |
| *Cox1* | H | 2620-4155 | 1536 | ATG | TAA | 20 |
| *Cox2* | H | 4176-4862 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4861-4928 | 68 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4930-5088  5096-5791  5828-5893 | 159  696  66 | ATG  ATG | TAA  TAG | 7  36  6 |
| tRNA-*Tyr* | L | 5900-5964 | 65 |  |  | 3 |
| tRNA-*Cys* | L | 5968-6032 | 65 |  |  | 0 |
| tRNA-*Trp* | L | 6033-6100 | 68 |  |  | 1 |
| tRNA-*Gln* | L | 6102-6163 | 62 |  |  | 1 |
| tRNA-*Gly* | L | 6165-6231 | 67 |  |  | 0 |
| tRNA-*Glu* | L | 6232-6297 | 66 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6298-7276  7277-7344  7345-8709 | 979  68  1365 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8710-8778 | 69 |  |  | 7 |
| tRNA-*Leu* | H | 8786-8854 | 69 |  |  | 0 |
| *Nad1* | H | 8855-9796 | 942 | ATG | TAA | 8 |
| tRNA-*Pro* | H | 9805-9875 | 71 |  |  | 1 |
| *Nad6* | H | 9877-10377 | 501 | ATG | TAA | 5 |
| *Cytb* | H | 10383-11522 | 1140 | ATG | TAA | 9 |
| tRNA-*Ser* | H | 11532-11597 | 66 |  |  | 0 |
| tRNA-*Thr* | L | 11598-11665 | 68 |  |  | 15 |
| *Nad4L* | H | 11681-11977 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 11989-13344 | 1356 | CTA | TAA | 30 |
| tRNA-*His* | H | 13375-13440 | 66 |  |  | 0 |
| *Nad5* | H | 13441-15165 | 1725 | ATG | TAG | 22 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Crassicantharus noumeensis* 15,112 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-758 | incomplete | — | TAA | 17 |
| tRNA-*Lys* | H | 776-841 | 66 |  |  | 1 |
| tRNA-*Ala* | H | 843-909 | 67 |  |  | 6 |
| tRNA-*Arg* | H | 916-984 | 69 |  |  | 5 |
| tRNA-*Asn* | H | 990-1057 | 68 |  |  | 3 |
| tRNA-*Ile* | H | 1061-1127 | 67 |  |  | 3 |
| *Nad3* | H | 1131-1484 | 354 | ATG | TAA | -1 |
| tRNA-*Ser* | H | 1484-1551 | 68 |  |  | 0 |
| *Nad2* | H | 1552-2603 | 1052 | ATG | TA | 0 |
| *Cox1* | H | 2604-4136 | 1533 | ATG | TAA | 21 |
| *Cox2* | H | 4158-4844 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4843-4911 | 69 |  |  | 0 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4912-5070  5090-5785  5821-5885 | 159  696  65 | ATG  ATG | TAG  TAA | 19  35  2 |
| tRNA-*Tyr* | L | 5888-5953 | 66 |  |  | 1 |
| tRNA-*Cys* | L | 5955-6018 | 64 |  |  | 0 |
| tRNA-*Trp* | L | 6019-6086 | 68 |  |  | 1 |
| tRNA-*Gln* | L | 6088-6150 | 63 |  |  | 1 |
| tRNA-*Gly* | L | 6152-6219 | 68 |  |  | 0 |
| tRNA-*Glu* | L | 6220-6285 | 66 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6286-7239  7240-7305  7306-8674 | 954  66  1369 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8675-8743 | 69 |  |  | 5 |
| tRNA-*Leu* | H | 8749-8817 | 69 |  |  | 0 |
| *Nad1* | H | 8818-9759 | 942 | ATG | TAA | 2 |
| tRNA-*Pro* | H | 9762-9829 | 68 |  |  | 1 |
| *Nad6* | H | 9831-10337 | 507 | ATG | TAA | 6 |
| *Cytb* | H | 10344-11483 | 1140 | ATG | TAA | 7 |
| tRNA-*Ser* | H | 11491-11555 | 65 |  |  | 1 |
| tRNA-*Thr* | L | 11557-11621 | 65 |  |  | 13 |
| *Nad4L* | H | 11635-11931 | 297 | ATG | TAA | 11 |
| *Nad4* | H | 11943-13298 | 1356 | GTT | TAA | 2 |
| tRNA-*His* | H | 13301-13366 | 66 |  |  | 0 |
| *Nad5* | H | 13367-15088 | 1722 | ATG | TAG | 24 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Cosmioconcha nitens* 15,041 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-750 | incomplete | — | TAG | 14 |
| tRNA-*Lys* | H | 765-829 | 65 |  |  | 5 |
| tRNA-*Ala* | H | 835-901 | 67 |  |  | 2 |
| tRNA-*Arg* | H | 904-972 | 69 |  |  | 0 |
| tRNA-*Asn* | H | 973-1041 | 69 |  |  | 1 |
| tRNA-*Ile* | H | 1043-1110 | 68 |  |  | 2 |
| *Nad3* | H | 1113-1466 | 354 | ATG | TAA | 7 |
| tRNA-*Ser* | H | 1474-1541 | 68 |  |  | 0 |
| *Nad2* | H | 1542-2594 | 1053 | ATG | TAA | 0 |
| *Cox1* | H | 2595-4127 | 1533 | ATG | TAA | 20 |
| *Cox2* | H | 4148-4834 | 687 | ATG | TAA | 2 |
| tRNA-*Asp* | H | 4837-4905 | 69 |  |  | 0 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4906-5064  5073-5768  5807-5873 | 159  696  67 | ATG  ATG | TAA  TAA | 8  38  5 |
| tRNA-*Tyr* | L | 5879-5944 | 66 |  |  | 2 |
| tRNA-*Cys* | L | 5947-6010 | 64 |  |  | 0 |
| tRNA-*Trp* | L | 6011-6077 | 67 |  |  | 1 |
| tRNA-*Gln* | L | 6079-6140 | 62 |  |  | 2 |
| tRNA-*Gly* | L | 6143-6209 | 67 |  |  | 0 |
| tRNA-*Glu* | L | 6210-6274 | 65 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6275-7232  7233-7302  7303-8651 | 958  70  1349 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8652-8720 | 69 |  |  | 3 |
| tRNA-*Leu* | H | 8724-8793 | 70 |  |  | 0 |
| *Nad1* | H | 8794-9733 | 940 | ATG | T | 0 |
| tRNA-*Pro* | H | 9734-9801 | 68 |  |  | 1 |
| *Nad6* | H | 9803-10301 | 499 | ATG | T | 0 |
| *Cytb* | H | 10302-11441 | 1140 | ATG | TAA | 2 |
| tRNA-*Ser* | H | 11444-11512 | 69 |  |  | 0 |
| tRNA-*Thr* | L | 11513-11580 | 68 |  |  | 7 |
| *Nad4L* | H | 11588-11884 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 11896-13251 | 1356 | AGT | TAG | -1 |
| tRNA-*His* | H | 13251-13315 | 65 |  |  | 1 |
| *Nad5* | H | 13317-15038 | 1722 | ATG | TAA | 3 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Bullia* sp*.* 15,103 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-750 | incomplete | — | TAA | 12 |
| tRNA-*Lys* | H | 763-832 | 70 |  |  | 2 |
| tRNA-*Ala* | H | 835-902 | 68 |  |  | 0 |
| tRNA-*Arg* | H | 903-971 | 69 |  |  | 4 |
| tRNA-*Asn* | H | 976-1043 | 68 |  |  | 4 |
| tRNA-*Ile* | H | 1048-1116 | 69 |  |  | 3 |
| *Nad3* | H | 1120-1473 | 354 | ATG | TAG | 10 |
| tRNA-*Ser* | H | 1484-1551 | 68 |  |  | 0 |
| *Nad2* | H | 1552-2606 | 1055 | ATG | TA | 0 |
| *Cox1* | H | 2607-4142 | 1536 | ATG | TAG | 20 |
| *Cox2* | H | 4163-4849 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4848-4915 | 68 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4917-5075  5083-5778  5817-5882 | 159  696  66 | ATG  ATG | TAA  TAG | 7  38  3 |
| tRNA-*Tyr* | L | 5886-5952 | 67 |  |  | 6 |
| tRNA-*Cys* | L | 5959-6022 | 64 |  |  | 5 |
| tRNA-*Trp* | L | 6028-6093 | 66 |  |  | 1 |
| tRNA-*Gln* | L | 6095-6157 | 63 |  |  | 1 |
| tRNA-*Gly* | L | 6159-6226 | 68 |  |  | 0 |
| tRNA-*Glu* | L | 6227-6293 | 67 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6294-7239  7240-7307  7308-8653 | 946  68  1346 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8654-8724 | 71 |  |  | 5 |
| tRNA-*Leu* | H | 8730-8798 | 69 |  |  | 0 |
| *Nad1* | H | 8799-9740 | 942 | ATG | TAA | 4 |
| tRNA-*Pro* | H | 9745-9814 | 70 |  |  | 1 |
| *Nad6* | H | 9816-10316 | 501 | ATG | TAA | 1 |
| *Cytb* | H | 10318-11457 | 1140 | ATG | TAA | 13 |
| tRNA-*Ser* | H | 11471-11535 | 65 |  |  | 0 |
| tRNA-*Thr* | L | 11536-11603 | 68 |  |  | 12 |
| *Nad4L* | H | 11616-11912 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 11924-13279 | 1356 | CTT | TAA | -1 |
| tRNA-*His* | H | 13279-13344 | 66 |  |  | 0 |
| *Nad5* | H | 13345-15061 | 1717 | ATG | T | 42 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Bullia natalensis* 15,103 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-749 | incomplete | — | TAA | 13 |
| tRNA-*Lys* | H | 763-831 | 69 |  |  | 2 |
| tRNA-*Ala* | H | 834-901 | 68 |  |  | 0 |
| tRNA-*Arg* | H | 902-970 | 69 |  |  | 6 |
| tRNA-*Asn* | H | 977-1044 | 68 |  |  | 3 |
| tRNA-*Ile* | H | 1048-1116 | 69 |  |  | 3 |
| *Nad3* | H | 1120-1473 | 354 | ATG | TAA | 1 |
| tRNA-*Ser* | H | 1475-1542 | 68 |  |  | 0 |
| *Nad2* | H | 1543-2597 | 1055 | ATG | TA | 0 |
| *Cox1* | H | 2598-4133 | 1536 | ATG | TAG | 23 |
| *Cox2* | H | 4157-4843 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4842-4909 | 68 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4911-5069  5077-5772  5811-5876 | 159  696  66 | ATG  ATG | TAA  TAG | 7  38  9 |
| tRNA-*Tyr* | L | 5886-5951 | 66 |  |  | 5 |
| tRNA-*Cys* | L | 5957-6023 | 67 |  |  | 7 |
| tRNA-*Trp* | L | 6031-6097 | 67 |  |  | 1 |
| tRNA-*Gln* | L | 6099-6160 | 62 |  |  | 1 |
| tRNA-*Gly* | L | 6162-6228 | 67 |  |  | 0 |
| tRNA-*Glu* | L | 6229-6294 | 66 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6295-7248  7249-7317  7318-8671 | 954  69  1354 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8672-8742 | 71 |  |  | 5 |
| tRNA-*Leu* | H | 8748-8816 | 69 |  |  | 0 |
| *Nad1* | H | 8817-9758 | 942 | ATG | TAA | 4 |
| tRNA-*Pro* | H | 9763-9832 | 70 |  |  | 1 |
| *Nad6* | H | 9834-10334 | 501 | ATG | TAG | 1 |
| *Cytb* | H | 10336-11475 | 1140 | ATG | TAG | 15 |
| tRNA-*Ser* | H | 11491-11555 | 65 |  |  | 0 |
| tRNA-*Thr* | L | 11556-11623 | 68 |  |  | 11 |
| *Nad4L* | H | 11635-11931 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 11943-13298 | 1356 | TTT | TAA | -1 |
| tRNA-*His* | H | 13298-13364 | 67 |  |  | 0 |
| *Nad5* | H | 13365-15081 | 1717 | ATG | T | 22 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Bullia perlucida* 15,099 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-750 | incomplete | — | TAA | 12 |
| tRNA-*Lys* | H | 763-832 | 70 |  |  | 2 |
| tRNA-*Ala* | H | 835-902 | 68 |  |  | 0 |
| tRNA-*Arg* | H | 903-971 | 69 |  |  | 4 |
| tRNA-*Asn* | H | 976-1043 | 68 |  |  | 4 |
| tRNA-*Ile* | H | 1048-1116 | 69 |  |  | 3 |
| *Nad3* | H | 1120-1473 | 354 | ATG | TAG | 10 |
| tRNA-*Ser* | H | 1484-1551 | 68 |  |  | 0 |
| *Nad2* | H | 1552-2606 | 1055 | ATG | TA | 0 |
| *Cox1* | H | 2607-4142 | 1536 | ATG | TAG | 21 |
| *Cox2* | H | 4164-4850 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4849-4916 | 68 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4918-5076  5084-5779  5818-5883 | 159  696  66 | ATG  ATG | TAA  TAG | 7  38  7 |
| tRNA-*Tyr* | L | 5891-5957 | 67 |  |  | 4 |
| tRNA-*Cys* | L | 5962-6026 | 65 |  |  | 4 |
| tRNA-*Trp* | L | 6031-6096 | 66 |  |  | 1 |
| tRNA-*Gln* | L | 6098-6159 | 62 |  |  | 1 |
| tRNA-*Gly* | L | 6161-6227 | 67 |  |  | 0 |
| tRNA-*Glu* | L | 6228-6294 | 67 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6295-7241  7242-7309  7310-8655 | 947  68  1346 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8656-8725 | 70 |  |  | 5 |
| tRNA-*Leu* | H | 8731-8799 | 69 |  |  | 0 |
| *Nad1* | H | 8800-9741 | 942 | ATG | TAA | 4 |
| tRNA-*Pro* | H | 9746-9815 | 70 |  |  | 1 |
| *Nad6* | H | 9817-10317 | 501 | ATG | TAA | 1 |
| *Cytb* | H | 10319-11458 | 1140 | ATG | TAA | 13 |
| tRNA-*Ser* | H | 11472-11536 | 65 |  |  | 0 |
| tRNA-*Thr* | L | 11537-11604 | 68 |  |  | 12 |
| *Nad4L* | H | 11617-11913 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 11925-13280 | 1356 | CTT | TAA | -1 |
| tRNA-*His* | H | 13280-13345 | 66 |  |  | 0 |
| *Nad5* | H | 13346-15064 | 1717 | ATG | T | 37 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Bullia diluta* 15,084 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-750 | incomplete | — | TAG | 12 |
| tRNA-*Lys* | H | 763-834 | 72 |  |  | 2 |
| tRNA-*Ala* | H | 837-904 | 68 |  |  | 0 |
| tRNA-*Arg* | H | 905-973 | 69 |  |  | 5 |
| tRNA-*Asn* | H | 979-1046 | 68 |  |  | 3 |
| tRNA-*Ile* | H | 1050-1118 | 69 |  |  | 3 |
| *Nad3* | H | 1122-1475 | 354 | ATG | TAA | 1 |
| tRNA-*Ser* | H | 1477-1544 | 68 |  |  | 0 |
| *Nad2* | H | 1545-2599 | 1055 | ATG | TA | 0 |
| *Cox1* | H | 2600-4135 | 1536 | ATG | TAA | 20 |
| *Cox2* | H | 4156-4842 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4841-4908 | 68 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4910-5068  5076-5771  5810-5875 | 159  696  66 | ATG  ATG | TAG  TAA | 7  38  7 |
| tRNA-*Tyr* | L | 5883-5948 | 66 |  |  | 1 |
| tRNA-*Cys* | L | 5950-6013 | 64 |  |  | 8 |
| tRNA-*Trp* | L | 6022-6087 | 66 |  |  | 1 |
| tRNA-*Gln* | L | 6089-6150 | 62 |  |  | 1 |
| tRNA-*Gly* | L | 6152-6218 | 67 |  |  | 0 |
| tRNA-*Glu* | L | 6219-6285 | 67 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6286-7235  7236-7304  7305-8651 | 950  69  1347 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8652-8721 | 70 |  |  | 5 |
| tRNA-*Leu* | H | 8727-8795 | 69 |  |  | 0 |
| *Nad1* | H | 8796-9737 | 942 | ATG | TAA | 4 |
| tRNA-*Pro* | H | 9742-9811 | 70 |  |  | 1 |
| *Nad6* | H | 9813-10313 | 501 | ATG | TAA | 1 |
| *Cytb* | H | 10315-11454 | 1140 | ATG | TAA | 13 |
| tRNA-*Ser* | H | 11468-11532 | 65 |  |  | 0 |
| tRNA-*Thr* | L | 11533-11600 | 68 |  |  | 12 |
| *Nad4L* | H | 11613-11909 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 11921-13276 | 1356 | TTT | TAA | -1 |
| tRNA-*His* | H | 13276-13342 | 67 |  |  | 0 |
| *Nad5* | H | 13343-15059 | 1717 | ATG | T | 25 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Bullia cataphracta* 15,094 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-750 | incomplete | — | TAA | 12 |
| tRNA-*Lys* | H | 763-831 | 69 |  |  | 2 |
| tRNA-*Ala* | H | 834-901 | 68 |  |  | 0 |
| tRNA-*Arg* | H | 902-970 | 69 |  |  | 6 |
| tRNA-*Asn* | H | 977-1044 | 68 |  |  | 3 |
| tRNA-*Ile* | H | 1048-1115 | 68 |  |  | 3 |
| *Nad3* | H | 1119-1472 | 354 | ATG | TAA | 1 |
| tRNA-*Ser* | H | 1474-1541 | 68 |  |  | 0 |
| *Nad2* | H | 1542-2596 | 1055 | ATG | TA | 0 |
| *Cox1* | H | 2597-4132 | 1536 | ATG | TAA | 20 |
| *Cox2* | H | 4153-4839 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4838-4905 | 68 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4907-5065  5073-5768  5807-5872 | 159  696  66 | ATG  ATG | TAA  TAG | 7  38  8 |
| tRNA-*Tyr* | L | 5881-5946 | 66 |  |  | 1 |
| tRNA-*Cys* | L | 5948-6011 | 64 |  |  | 12 |
| tRNA-*Trp* | L | 6024-6090 | 67 |  |  | 1 |
| tRNA-*Gln* | L | 6092-6153 | 62 |  |  | 1 |
| tRNA-*Gly* | L | 6155-6221 | 67 |  |  | 0 |
| tRNA-*Glu* | L | 6222-6287 | 66 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6288-7240  7241-7309  7310-8661 | 953  69  1352 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8662-8732 | 71 |  |  | 5 |
| tRNA-*Leu* | H | 8738-8806 | 69 |  |  | 0 |
| *Nad1* | H | 8807-9748 | 942 | ATG | TAA | 4 |
| tRNA-*Pro* | H | 9753-9822 | 70 |  |  | 1 |
| *Nad6* | H | 9824-10324 | 501 | ATG | TAA | 1 |
| *Cytb* | H | 10326-11465 | 1140 | ATG | TAA | 15 |
| tRNA-*Ser* | H | 11481-11545 | 65 |  |  | 0 |
| tRNA-*Thr* | L | 11546-11613 | 68 |  |  | 11 |
| *Nad4L* | H | 11625-11921 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 11933-13288 | 1356 | CTT | TAA | -1 |
| tRNA-*His* | H | 13288-13354 | 67 |  |  | 0 |
| *Nad5* | H | 13355-15073 | 1717 | ATG | T | 23 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Buccinanops deformis* 15,173 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-775 | incomplete | — | TAG | 17 |
| tRNA-*Lys* | H | 793-858 | 66 |  |  | 5 |
| tRNA-*Ala* | H | 864-930 | 67 |  |  | -1 |
| tRNA-*Arg* | H | 930-1000 | 71 |  |  | 13 |
| tRNA-*Asn* | H | 1014-1086 | 73 |  |  | 13 |
| tRNA-*Ile* | H | 1100-1168 | 69 |  |  | 3 |
| *Nad3* | H | 1172-1525 | 354 | ATG | TAG | 0 |
| tRNA-*Ser* | H | 1526-1593 | 68 |  |  | 0 |
| *Nad2* | H | 1594-2648 | 1055 | ATG | TA | 0 |
| *Cox1* | H | 2649-4184 | 1536 | ATG | TAG | 18 |
| *Cox2* | H | 4203-4889 | 687 | ATG | TAA | -1 |
| tRNA-*Asp* | H | 4889-4957 | 69 |  |  | 0 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4958-5116  5119-5814  5851-5917 | 159  696  67 | ATG  ATG | TAA  TAG | 2  36  6 |
| tRNA-*Tyr* | L | 5924-5994 | 71 |  |  | -1 |
| tRNA-*Cys* | L | 5994-6060 | 67 |  |  | -2 |
| tRNA-*Trp* | L | 6059-6125 | 67 |  |  | -3 |
| tRNA-*Gln* | L | 6123-6189 | 67 |  |  | 2 |
| tRNA-*Gly* | L | 6192-6258 | 67 |  |  | -1 |
| tRNA-*Glu* | L | 6258-6325 | 68 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6326-7298  7299-7368  7369-8722 | 973  70  1354 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8723-8791 | 69 |  |  | 9 |
| tRNA-*Leu* | H | 8801-8869 | 69 |  |  | 0 |
| *Nad1* | H | 8870-9811 | 942 | ATG | TAA | 6 |
| tRNA-*Pro* | H | 9818-9886 | 69 |  |  | 1 |
| *Nad6* | H | 9888-10388 | 501 | ATG | TAA | 2 |
| *Cytb* | H | 10391-11530 | 1140 | ATG | TAA | 5 |
| tRNA-*Ser* | H | 11536-11606 | 71 |  |  | -1 |
| tRNA-*Thr* | L | 11606-11671 | 66 |  |  | 23 |
| *Nad4L* | H | 11695-11991 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 12003-13358 | 1356 | CTT | TAA | 4 |
| tRNA-*His* | H | 13363-13430 | 68 |  |  | 0 |
| *Nad5* | H | 13431-15152 | 1722 | ATG | TAG | 21 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Antillophos cf. smithi* 15,226 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-768 | incomplete | — | TAG | 19 |
| tRNA-*Lys* | H | 788-854 | 67 |  |  | 11 |
| tRNA-*Ala* | H | 866-932 | 67 |  |  | 2 |
| tRNA-*Arg* | H | 935-1003 | 69 |  |  | 9 |
| tRNA-*Asn* | H | 1013-1081 | 69 |  |  | 3 |
| tRNA-*Ile* | H | 1085-1153 | 69 |  |  | 3 |
| *Nad3* | H | 1157-1510 | 354 | ATG | TAG | 0 |
| tRNA-*Ser* | H | 1511-1578 | 68 |  |  | 0 |
| *Nad2* | H | 1579-2634 | 1056 | ATG | TAA | 2 |
| *Cox1* | H | 2637-4172 | 1536 | ATG | TAG | 26 |
| *Cox2* | H | 4199-4885 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4884-4951 | 68 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4953-5111  5126-5821  5864-5929 | 159  696  66 | ATG  ATG | TAA  TAA | 14  42  10 |
| tRNA-*Tyr* | L | 5940-6007 | 68 |  |  | 4 |
| tRNA-*Cys* | L | 6012-6078 | 67 |  |  | 0 |
| tRNA-*Trp* | L | 6079-6144 | 66 |  |  | 1 |
| tRNA-*Gln* | L | 6146-6207 | 62 |  |  | 1 |
| tRNA-*Gly* | L | 6209-6276 | 68 |  |  | 0 |
| tRNA-*Glu* | L | 6277-6341 | 65 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6342-7320  7321-7389  7390-8757 | 979  69  1368 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8758-8827 | 70 |  |  | 7 |
| tRNA-*Leu* | H | 8835-8903 | 69 |  |  | 0 |
| *Nad1* | H | 8904-9845 | 942 | ATG | TAG | 10 |
| tRNA-*Pro* | H | 9856-9926 | 71 |  |  | 1 |
| *Nad6* | H | 9928-10428 | 501 | ATG | TAA | 19 |
| *Cytb* | H | 10448-11587 | 1140 | ATG | TAA | 10 |
| tRNA-*Ser* | H | 11598-11662 | 65 |  |  | -1 |
| tRNA-*Thr* | L | 11663-11730 | 68 |  |  | 23 |
| *Nad4L* | H | 11754-12050 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 12062-13417 | 1356 | CTA | TAG | 4 |
| tRNA-*His* | H | 13422-13486 | 65 |  |  | 1 |
| *Nad5* | H | 13488-15209 | 1722 | ATG | TAG | 17 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Belomitra viridis* 15,039 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-748 | incomplete | — | TAG | 11 |
| tRNA-*Lys* | H | 760-827 | 68 |  |  | 9 |
| tRNA-*Ala* | H | 837-903 | 67 |  |  | 1 |
| tRNA-*Arg* | H | 905-973 | 69 |  |  | 12 |
| tRNA-*Asn* | H | 986-1054 | 69 |  |  | 7 |
| tRNA-*Ile* | H | 1062-1130 | 69 |  |  | 3 |
| *Nad3* | H | 1134-1487 | 354 | ATG | TAA | 0 |
| tRNA-*Ser* | H | 1488-1555 | 68 |  |  | 0 |
| *Nad2* | H | 1556-2607 | 1052 | ATG | TA | 0 |
| *Cox1* | H | 2608-4140 | 1533 | ATG | TAA | 21 |
| *Cox2* | H | 4162-4848 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4847-4914 | 68 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4916-5074  5077-5772  5804-5868 | 159  696  65 | ATG  ATG | TAA  TAA | 2  31  7 |
| tRNA-*Tyr* | L | 5876-5942 | 67 |  |  | 1 |
| tRNA-*Cys* | L | 5944-6008 | 65 |  |  | 0 |
| tRNA-*Trp* | L | 6009-6074 | 66 |  |  | 1 |
| tRNA-*Gln* | L | 6076-6137 | 62 |  |  | 3 |
| tRNA-*Gly* | L | 6141-6206 | 66 |  |  | 0 |
| tRNA-*Glu* | L | 6207-6274 | 68 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6275-7245  7246-7313  7314-8675 | 971  68  1362 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8676-8745 | 70 |  |  | 1 |
| tRNA-*Leu* | H | 8747-8815 | 69 |  |  | 0 |
| *Nad1* | H | 8816-9757 | 942 | ATG | TAG | 5 |
| tRNA-*Pro* | H | 9763-9831 | 69 |  |  | 1 |
| *Nad6* | H | 9833-10336 | 504 | ATG | TAA | 9 |
| *Cytb* | H | 10346-11485 | 1140 | ATG | TAA | 8 |
| tRNA-*Ser* | H | 11494-11559 | 66 |  |  | 0 |
| tRNA-*Thr* | L | 11560-11623 | 64 |  |  | 7 |
| *Nad4L* | H | 11631-11927 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 11939-13294 | 1356 | CTA | TAA | 0 |
| tRNA-*His* | H | 13295-13360 | 66 |  |  | 0 |
| *Nad5* | H | 13361-15039 | 1679 | ATG | — | 0 |
| tRNA-*Phe* | H | missing | — |  |  | — |

*Clivipollia cf. incarnata* 15,182 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-750 | incomplete | — | TAA | 30 |
| tRNA-*Lys* | H | 781-849 | 69 |  |  | 5 |
| tRNA-*Ala* | H | 855-921 | 67 |  |  | 0 |
| tRNA-*Arg* | H | 922-990 | 69 |  |  | 12 |
| tRNA-*Asn* | H | 1003-1071 | 69 |  |  | 11 |
| tRNA-*Ile* | H | 1083-1152 | 70 |  |  | 3 |
| *Nad3* | H | 1156-1509 | 354 | ATG | TAA | 2 |
| tRNA-*Ser* | H | 1512-1579 | 68 |  |  | 0 |
| *Nad2* | H | 1580-2637 | 1058 | ATG | TA | 0 |
| *Cox1* | H | 2638-4173 | 1536 | ATG | TAG | 27 |
| *Cox2* | H | 4201-4887 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4886-4953 | 68 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4955-5113  5120-5815  5852-5917 | 159  696  66 | ATG  ATG | TAA  TAA | 6  36  7 |
| tRNA-*Tyr* | L | 5925-5991 | 67 |  |  | 1 |
| tRNA-*Cys* | L | 5993-6057 | 65 |  |  | 5 |
| tRNA-*Trp* | L | 6063-6129 | 67 |  |  | 1 |
| tRNA-*Gln* | L | 6131-6192 | 62 |  |  | 1 |
| tRNA-*Gly* | L | 6194-6260 | 67 |  |  | 0 |
| tRNA-*Glu* | L | 6261-6328 | 68 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6329-7280  7281-7348  7349-8719 | 952  68  1371 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8720-8790 | 71 |  |  | 22 |
| tRNA-*Leu* | H | 8813-8881 | 69 |  |  | 0 |
| *Nad1* | H | 8882-9823 | 942 | ATG | TAA | 11 |
| tRNA-*Pro* | H | 9835-9904 | 70 |  |  | 1 |
| *Nad6* | H | 9906-10406 | 501 | ATG | TAA | 6 |
| *Cytb* | H | 10413-11552 | 1140 | ATG | TAA | 7 |
| tRNA-*Ser* | H | 11560-11624 | 65 |  |  | 0 |
| tRNA-*Thr* | L | 11625-11692 | 68 |  |  | 15 |
| *Nad4L* | H | 11708-12004 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 12016-13371 | 1356 | TTG | TAA | 5 |
| tRNA-*His* | H | 13377-13444 | 68 |  |  | 0 |
| *Nad5* | H | 13445-15166 | 1722 | ATG | TAG | 16 |
| tRNA-*Phe* | H | incomplete | — |  |  | — |

*Nassaria* sp. 15,092 bp

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Gene | Strand | Location | Size  (bp) | Start  Codon | Stop  codon | Intergenic  nucleotides |
| *Cox3* | H | 1-753 | incomplete | — | TAA | 19 |
| tRNA-*Lys* | H | 773-840 | 68 |  |  | 4 |
| tRNA-*Ala* | H | 845-911 | 67 |  |  | 1 |
| tRNA-*Arg* | H | 913-981 | 69 |  |  | 10 |
| tRNA-*Asn* | H | 992-1060 | 69 |  |  | 10 |
| tRNA-*Ile* | H | 1071-1139 | 69 |  |  | 3 |
| *Nad3* | H | 1143-1496 | 354 | ATG | TAG | 7 |
| tRNA-*Ser* | H | 1504-1571 | 68 |  |  | 0 |
| *Nad2* | H | 1572-2627 | 1056 | ATG | TAG | 5 |
| *Cox1* | H | 2633-4168 | 1536 | ATG | TAG | 17 |
| *Cox2* | H | 4186-4872 | 687 | ATG | TAA | -2 |
| tRNA-*Asp* | H | 4871-4938 | 68 |  |  | 1 |
| *Atp8*  *Atp6*  tRNA-*Met* | H  H  L | 4940-5098  5105-5800  5837-5902 | 159  696  66 | ATG  ATG | TAA  TAA | 6  36  15 |
| tRNA-*Tyr* | L | 5918-5982 | 65 |  |  | 1 |
| tRNA-*Cys* | L | 5984-6048 | 65 |  |  | 0 |
| tRNA-*Trp* | L | 6049-6115 | 67 |  |  | 1 |
| tRNA-*Gln* | L | 6117-6178 | 62 |  |  | 1 |
| tRNA-*Gly* | L | 6180-6246 | 67 |  |  | 0 |
| tRNA-*Glu* | L | 6247-6313 | 67 |  |  | 0 |
| 12s  tRNA-*Val*  16s | H  H  H | 6314-7289  7290-7357  7358-8729 | 976  68  1372 |  |  | 0  0  0 |
| tRNA-*Leu* | H | 8730-8800 | 71 |  |  | 8 |
| tRNA-*Leu* | H | 8809-8877 | 69 |  |  | 0 |
| *Nad1* | H | 8878-9819 | 942 | ATG | TAA | 8 |
| tRNA-*Pro* | H | 9828-9895 | 68 |  |  | 1 |
| *Nad6* | H | 9897-10397 | 501 | ATG | TAA | 3 |
| *Cytb* | H | 10401-11540 | 1140 | ATG | TAA | 14 |
| tRNA-*Ser* | H | 11555-11619 | 65 |  |  | 0 |
| tRNA-*Thr* | L | 11620-11686 | 67 |  |  | 15 |
| *Nad4L* | H | 11702-11998 | 297 | ATG | TAG | 11 |
| *Nad4* | H | 12010-13363 | 1354 | TTA | T | 0 |
| tRNA-*His* | H | 13364-13429 | 66 |  |  | 1 |
| *Nad5* | H | 13431-15092 | 1662 | ATG |  | 0 |
| tRNA-*Phe* | H | missing | — |  |  | — |