

Additional File 2
Combined molecular data set

DATA PARTITIONS

1-1735 18S
1736-2662 28S
2663-2990 H3
2991-3649 COI

>Divariscintilla_toyohiwakensis

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>Peregrinamor_gastrochaenans

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>Peregrinamor_ohshimai

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>Pseudopythina_ochetostomae

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>Pseudopythina_macrophthalmensis

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>Gastrochaena_cuneiformis

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>Irus_mitis

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>Meropesta_nicobarica

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[illegible]

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>Solen_strictus

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>Solemya_velum

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GCCGCGGCGA	GGGTTCTCGG	CCCTCTTCTC	GCATTCGAC-	-----CTGCA	GTGTGAACCG
ACTGTGTGGG	GGTCGGGATT	CTCGGGTCAG	TGGCGAATCG	GTCGGTCCTC	CACCCGACCC
GTCTTGAAAC	ACGGACCAAG	GAGTCTAACA	TGTGCGCAAG	TCATGGGGTC	TCGAAACCTA
AAGGCACAAT	GAAAGTGAAG	GCCGC--TCG	TTCGGCCTAG	GCGGGATCC-	-CCTTGGGCG
CACCGCTGGC	CCGTCTCGTC	CGA-----	-----	--CTCGTCGG	TGAGGCGGAG
CAAGAGCGTA	CACGTTGGGA	CCCGAAAGAT	GGTGAACAT	GCCTGAGTAG	GACGAAGCCA
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AAACCACACA	GATACAGGCC	CGGAACCGTC	GCCTTGAGAG	AAATCCGTCG	TTACCAGAAG
AGCACTGAAC	TTCTGATCAG	GAAACTTCCA	TTCCAGCGAC	TTGTTCGTGA	GATCGCCCAG
GATTTCAAGA	CCGATCTGCG	ATTCCAGAGC	TCAGCTGTCA	TGGCTTTGCA	AGAGGCTAGC
GAAGCATACC	TCGTTGGTCT	TTTCGAGGAT	ACCAACTTGT	GCGCCATCCA	CGCCAAAAGA
-----	-----	----TTGAGC	CGGTATAGTT	GGAACATCTC	TTAGTCTCTT
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TCTTTCACTT	CCAGTTCTAG	CCGGAGCAAT	TACTATACTA	TTAACAGACC	GAAATTTTAA
CACATCATTC	TTCGATCC--	-----	-----	-----	-----

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GGATAACTGT	GGCAATTCTA	GAGCTAATAC	ATGCAACTAA	GCTCCGACCT	TCGGGGAAGA
GCGCTTTTAT	TAGCAAGACC	AATCGGTTTCG	GCTGGTGACT	CTGGATAACT	TTGGGCTGAT
CGCACGGCCT	TGAGCTGGCG	ACGTATCCAT	CAAATGTCCG	CCCTATCAAC	TTTCGACGGT
ACGTGATATG	CCTACCGTGG	TTTTTACGGG	TAACGGGGAA	TCAGGGTTCG	ATTCCGGAGA
GGGAGCATGA	GAAACGGCTA	CCACATCCAA	GGAAGGCAGC	AGGCGCGCAA	ATTACCCACT
CCTGGCTCAG	GGAGGTAGTG	ACGAAAAATA	ACAATACGGG	ACTCTTTCGA	GGCCCCGTAA
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AGCAGCCGCG	GTAATTCCAG	CTCCAATAGC	GTATATTAAA	GTTGTTGCAG	TTAAAAAGCT
CGTAGTTGGA	TCTCGGGTCC	AGGCTTGCGG	TCCGTCTCGC	GATGGCTGCT	CGTCCTGA--
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ACTGCGAAAG	CATTTGCCAA	GAATGTTTTT	ATTAATCAAG	AACGAAAGTC	AGAGGTTCTGA
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CGCATGGCCT	CGAGCCGGCG	ACGTATCTTT	CAAATGTCTG	CCCTATCAAC	TTTCGATGGT
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CCCGACACGG	GGAGGTAGTG	ACGAAAAATA	ACAATACGGG	ACTCTTTCGA	GGCCCCGTAA
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-----	-----	-----	--CCCAGTAA	CGGCGAGTGA	AGCGGGAAAA
GCCCAGCACC	GAATCCCACA	GC--CTGGC-	GCTGTCGGGA	ACTGTGGTGT	-ATAGGCAGC
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TCTAAATAAC	ATAAGATTTT	GATTATTAGT	GCCTGCATTG	TTTTTGTTAT	TAAGATCTTC
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GATTGCATTA	CCTGTGTTGG	CAGGGGCAAT	TACTATGCTT	TTGACAGATC	GTAATTTGAA
CACATCTTTT	TTTGACCCGA	CAGGTGGAGG	AGACCCA---	-----	-----