Table S2: Phylogenetic analyses realized on the matrices, with the partitioning method chosen, the number and list of selected subsets, and the models applied to them.

Analysis: RaxML Matrix 1	List of subsets	Model
Partitioning method:	• 3rd codons ; EFT2.1, β -tubulin introns	GTR+G
PartitionFinder (BIC, All)	\bullet 1st codons ; LSU	GTR+G
No. subsets: 4	• 2nd codons	GTR+G
	• RPB1 intron	GTR+G
Analysis: MrBayes Matrix 1	List of subsets	Model
Partitioning method:	• 3rd codons, EFT2.1, β-tubulin introns	HKY+I+G
PartitionFinder (BIC, All)	• 1st codons, LSU	GTR+I+G
No. subsets: 4	• 2nd codons	HKY+I+G
	• RPB1 intron	K80
Analysis : RaxML Matrix 2	List of subsets	Model
Partitioning method:	• ITS1, ITS2, ß-tubulin and EFT2.1 introns	GTR+G
PartitionFinder (AICc, ALL)	• ß-tubulin 1st codon	GTR+G
No. subsets: 11	\bullet ß-tubulin and RPB1 2nd codons	GTR+G
	\bullet ß-tubulin and EFT2.1 3rd codons	GTR+G
	• EFT2.1 1st codon	GTR+G
	• EFT2.1 2nd codon	GTR+G
	• RPB1 1st codon	GTR+G
	• RPB1 3rd codon	$_{\mathrm{GTR+G}}$
	• RPB1 intron	GTR+G
	• 5.8S	GTR+G
	• LSU	GTR+G
	▼ L30	0110 0
Analysis: MrBayes Matrix 2	List of subsets	Model
Partitioning method:	List of subsets	Model
Partitioning method:	List of subsets • 1st codons	Model HKY+I
Partitioning method:	List of subsets • 1st codons • 2nd codons	Model HKY+I HKY+I+G
Partitioning method:	List of subsets • 1st codons • 2nd codons • 3rd codons	Model HKY+I HKY+I+G HKY+I
Partitioning method:	List of subsets • 1st codons • 2nd codons • 3rd codons • introns	Model HKY+I HKY+I+G HKY+I HKY+G
Partitioning method:	List of subsets • 1st codons • 2nd codons • 3rd codons • introns	Model HKY+I HKY+I+G HKY+I HKY+G GTR+I+G
Partitioning method: Arbitrary No. subsets : 7	List of subsets • 1st codons • 2nd codons • 3rd codons • introns • LSU • ITS1, ITS2	Model HKY+I HKY+I+G HKY+I HKY+G GTR+I+G K80+G
Partitioning method: Arbitrary No. subsets: 7 Analysis: BEAST Matrix 2	List of subsets • 1st codons • 2nd codons • 3rd codons • introns • LSU • ITS1, ITS2 • 5.8S	Model HKY+I HKY+I+G HKY+I HKY+G GTR+I+G K80+G constant, excluded
Partitioning method: Arbitrary No. subsets: 7 Analysis: BEAST Matrix 2 Partitioning method:	List of subsets • 1st codons • 2nd codons • 3rd codons • introns • LSU • ITS1, ITS2 • 5.8S List of subsets	Model HKY+I HKY+I+G HKY+I HKY+G GTR+I+G K80+G constant, excluded
Partitioning method: Arbitrary No. subsets: 7 Analysis: BEAST Matrix 2 Partitioning method: Arbitrary	List of subsets • 1st codons • 2nd codons • 3rd codons • introns • LSU • ITS1, ITS2 • 5.8S List of subsets • \$\beta\$-tubulin coding	Model HKY+I HKY+I+G HKY+I HKY+G GTR+I+G K80+G constant, excluded Model HKY+I+G
Partitioning method: Arbitrary No. subsets: 7 Analysis: BEAST Matrix 2 Partitioning method: Arbitrary	List of subsets • 1st codons • 2nd codons • 3rd codons • introns • LSU • ITS1, ITS2 • 5.8S List of subsets • \$\beta\$-tubulin coding • EFT2.1 coding	Model HKY+I HKY+I+G HKY+I HKY+G GTR+I+G K80+G constant, excluded Model HKY+I+G HKY+G
Partitioning method: Arbitrary No. subsets: 7 Analysis: BEAST Matrix 2 Partitioning method: Arbitrary	List of subsets • 1st codons • 2nd codons • 3rd codons • introns • LSU • ITS1, ITS2 • 5.8S List of subsets • \$\beta\$-tubulin coding • EFT2.1 coding • RPB1 coding	Model HKY+I HKY+I+G HKY+I HKY+G GTR+I+G K80+G constant, excluded Model HKY+I+G HKY+G GTR+G
Partitioning method: Arbitrary No. subsets: 7 Analysis: BEAST Matrix 2 Partitioning method: Arbitrary	List of subsets • 1st codons • 2nd codons • 3rd codons • introns • LSU • ITS1, ITS2 • 5.8S List of subsets • \$\beta\$-tubulin coding • EFT2.1 coding • RPB1 coding • introns	Model HKY+I HKY+I+G HKY+I HKY+G GTR+I+G K80+G constant, excluded Model HKY+I+G HKY+G GTR+G HKY+G
Partitioning method: Arbitrary No. subsets: 7 Analysis: BEAST Matrix 2 Partitioning method: Arbitrary No. subsets: 6 Analysis: RaxML: Mr Bayes,	List of subsets • 1st codons • 2nd codons • 3rd codons • introns • LSU • ITS1, ITS2 • 5.8S List of subsets • \$\beta\$-tubulin coding • EFT2.1 coding • RPB1 coding • introns • LSU	Model HKY+I HKY+I+G HKY+I HKY+G GTR+I+G K80+G constant, excluded Model HKY+I+G HKY+G GTR+G HKY+G GTR+G HKY+G GTR+I+G
Partitioning method: Arbitrary No. subsets: 7 Analysis: BEAST Matrix 2 Partitioning method: Arbitrary No. subsets: 6 Analysis: RaxML: Mr Bayes, Matrix 3	List of subsets • 1st codons • 2nd codons • 3rd codons • introns • LSU • ITS1, ITS2 • 5.8S List of subsets • \$\beta\$-tubulin coding • EFT2.1 coding • RPB1 coding • introns • LSU • ITS • LSU	Model HKY+I HKY+I+G HKY+I HKY+G GTR+I+G K80+G constant, excluded Model HKY+I+G HKY+G GTR+G HKY+G HKY+G HKY+G
Analysis: MrBayes Matrix 2 Partitioning method: Arbitrary No. subsets: 7 Analysis: BEAST Matrix 2 Partitioning method: Arbitrary No. subsets: 6 Analysis: RaxML: Mr Bayes, Matrix 3 Partitioning method: Arbitrary	List of subsets • 1st codons • 2nd codons • 3rd codons • introns • LSU • ITS1, ITS2 • 5.8S List of subsets • \$\beta\$-tubulin coding • EFT2.1 coding • RPB1 coding • introns • LSU • ITS • LSU • ITS • List of subsets	Model HKY+I HKY+I+G HKY+I HKY+G GTR+I+G K80+G constant, excluded Model HKY+I+G HKY+G GTR+G HKY+G GTR+G HKY+G MODEL MODEL