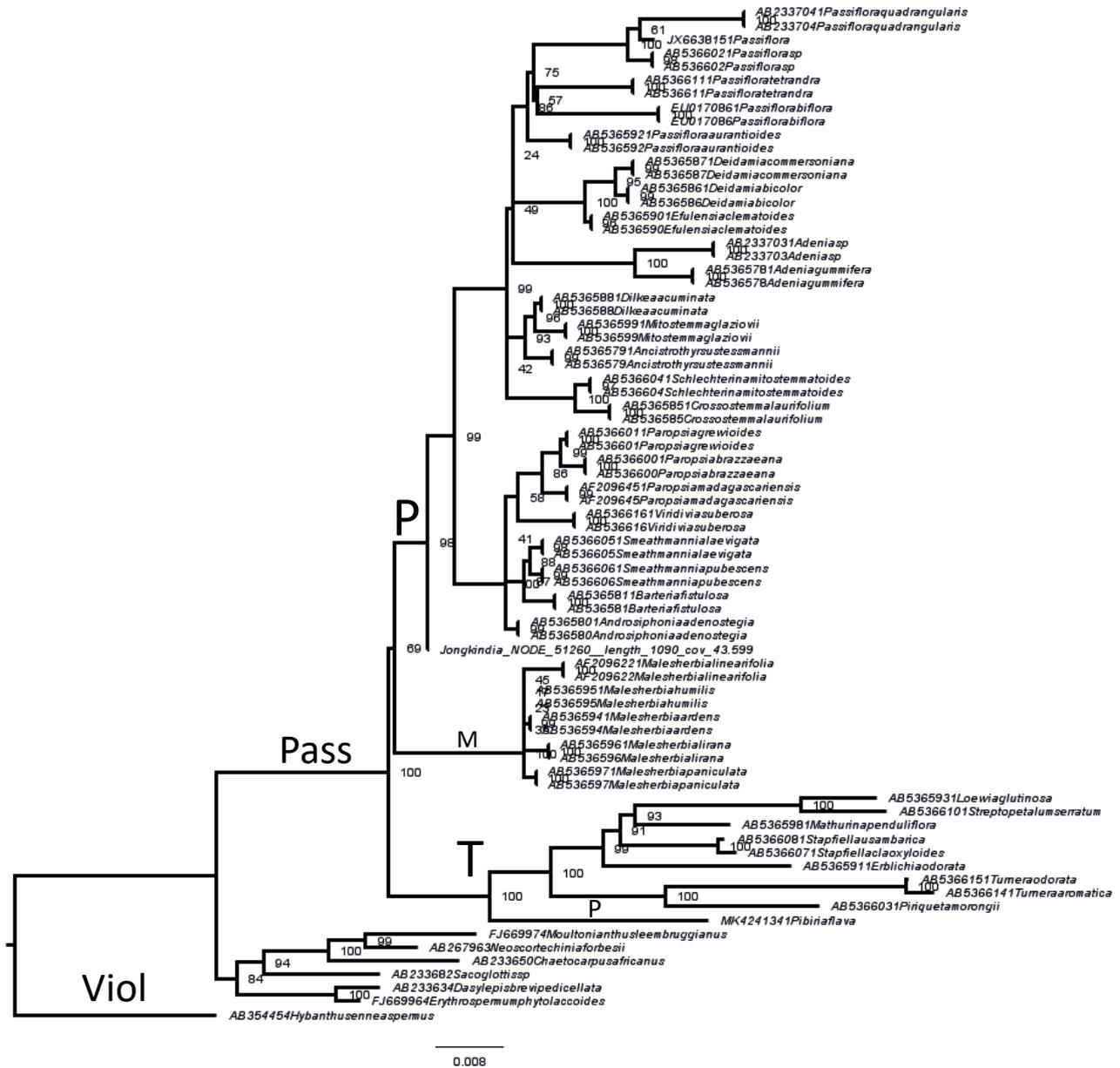
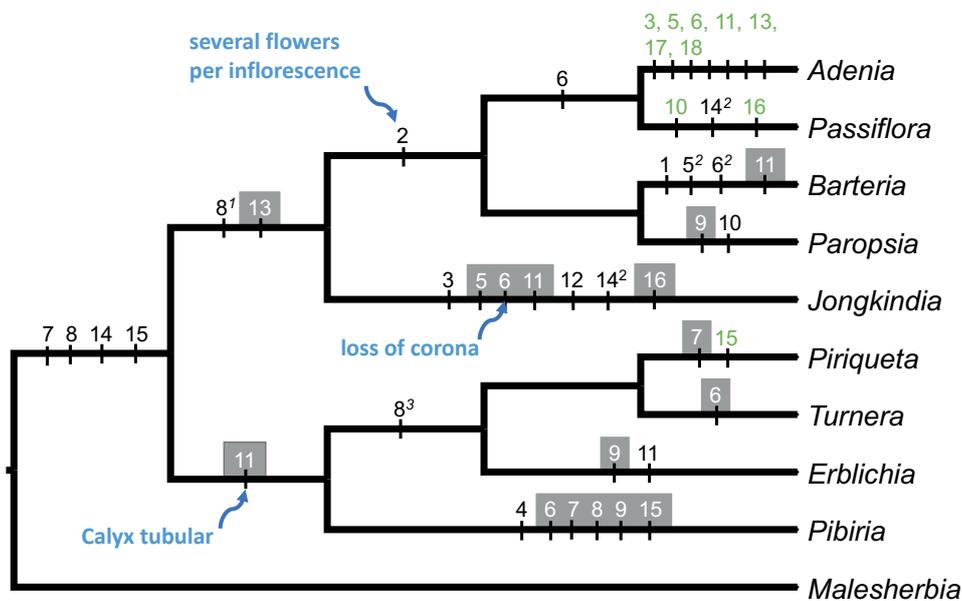


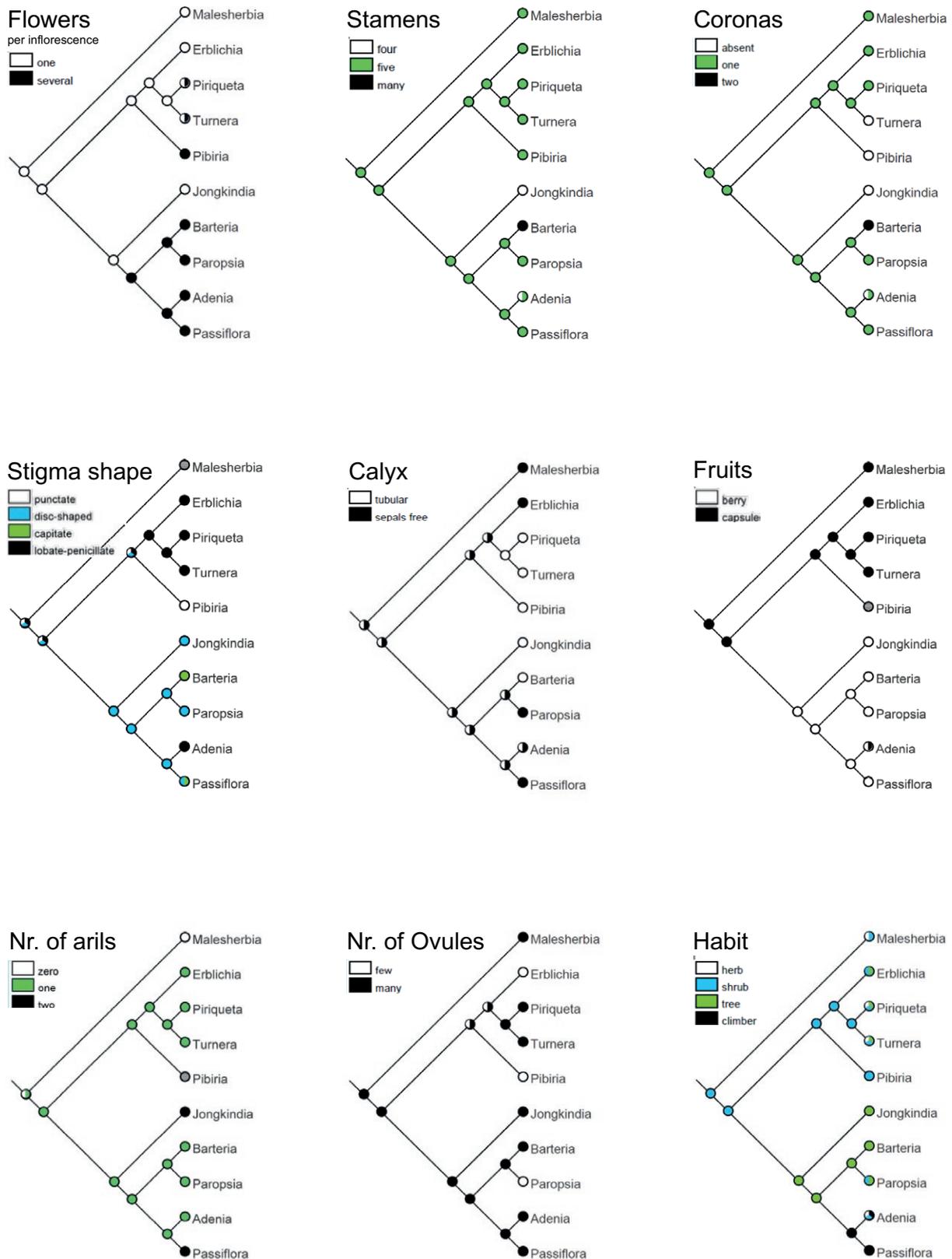
**Suppl. Figure S1.** Isotype specimen for for *Jongkindia mulbahii* Breter & F.T. Bakker CJ12424, deposited in WAG at Naturalis Biodiversity Centre, Leiden, The Netherlands. The holotype is deposited at Meise (BR).



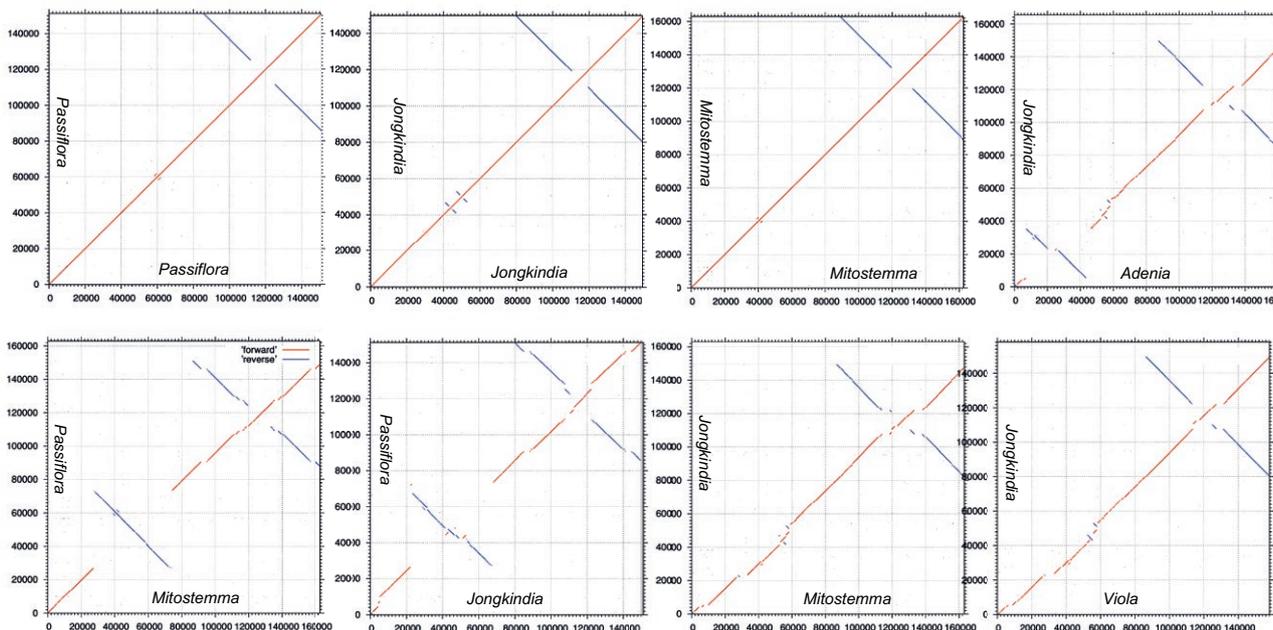
Suppl. Figure S2. Maximum likelihood IQ-TREE analysis of *atpB* sequences, using a partition according to codon position (1st +2nd versus 3rd). *Jongkindia mulbahii* is shown in a weakly-supported position in between Turneroideae and Passifloroideae.



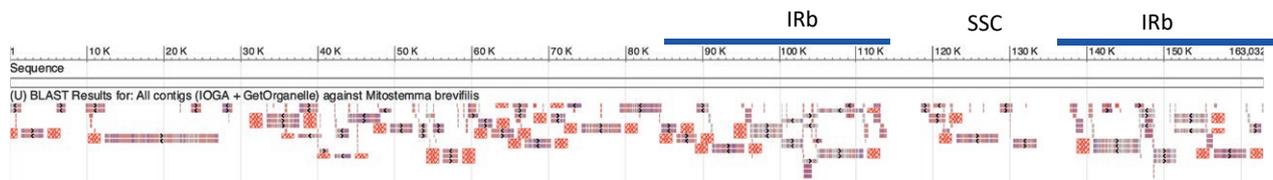
**Suppl. Figure S3.** Same tree as in Figure 10; optimization of individual characters as delineated in Table 2; numbers refer to characters listed in Table 2 and represent character state change, with gains (black), loss (grey boxes) and polymorphisms (green) indicated. Super-script numbers refer to change to that state in multi-state characters. Selected character state changes are indicated; 'lost' and 'double' refer to corona. For individual character optimizations see Suppl. Figure S4.



Suppl. Figure S4. Selected individual character optimisations, onto the tree of Fig. 8 and S3; character states are indicated by boxes and colours.



**Suppl. figure S5.** Dotplots of *Jongkindia mulbahii* draft plastome (149745bp), compared with *Passiflora pittieri* NC038125 (131,475bp), *Mitostemma brevilis* MT525867 (163,032bp), *Adenia mannii* NC043791 (165,364bp), and *Viola mirabilis* NC\_041582.1 (158,162). Red indicates co-linearity whereas blue indicates reversal. The main Inverted Repeats (IRa and IRb) are visible in the top-right corners, as well as the two short reversals at around 50,000 in *Jongkindia mulbahii* and the large *Passiflora* reversal at position 25000 – 70,000.



**Suppl. Figure S6.** *Jongkindia mulbahii* plastome assembly scaffolds aligned to *Mitostemma brevilis* plastome sequence. Assembly scaffolds were generated by GetOrganelle and by IOGA (see text). The position of inverted repeats (IRa and IRb) are indicated.

**Supplementary Table S1.** Ancestral states listed by character and by node on the tree in Figure 8 (and S3).

Node\Char.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.
node 8:	0	0	1	0	1	1	1	3	1	0	0	0	1	1	1	1	1	0/1
node 6:	0	0	1	0	1	1	1	3	0/1	0	0/1	0	1	1	1	1	1	0
node 5:	0	0	1	0	1	1	1	0/1/3	0/1	0	0/1	0	1	1	0/1	1	1	0
node 15:	0	1	1	0	1	1	1	1	1	0	0/1	0	0	1	1	1	2	0
node 18:	0	1	1	0	1	1	1	1	1	0	0/1	0	0	1	1	1	3	0
node 14:	0	1	1	0	1	1	1	1	1	0	0/1	0	0	1	1	1	2	0
node 12:	0	0	1	0	1	1	1	1	1	0	0/1	0	0	1	1	1	2	0
node 4:	0	0	1	0	1	1	1	0/1/3	1	0	0/1	0	1	1	\0/1	1	1	0
node 2:	0	0	1	0	1	1	0/1	0/1/3	1	0	0/1	0	1	0/1	0/1	1	1	0/1

