

JÜRIG SCHÖNENBERGER AND ELENA CONTI. 2003. Molecular phylogeny and floral evolution of Penaeaceae, Oliniaceae, Rhynchochalcaceae, and Alzateaceae (Myrtales). *American Journal of Botany* 90(2): 293-309.

Collection data and GenBank accession numbers.

		GenBank accession number							
Taxon	Source and voucher	<i>rps16</i> intron	<i>rpl16</i> intron	<i>trnS-G</i> intergenic spacer	<i>atpB - rbcL</i> intergenic spacer	<i>psbA - trnH</i> intergenic spacer	<i>matK</i> exon		
Alzateaceae									
<i>Alzatea verticillata</i> Ruiz & Pav.	J. Gomez-Laurito s.n. (USJ)	AY151629	AY151598	AY151536	AY151691	AY151660	AY151567		
Crypteroniaceae									
<i>Crypteronia paniculata</i> Blume	M. W. Chase 1235, cultivated, Bogor Botanic Garden VIII.B.67	AY151628	AY151597	AY151535	AY151690	AY151659	AY151566		
Oliniaceae									
<i>Olinia capensis</i> (Jacq.) Klotzsch	J. Schönenberger 519 (Z), (BOL)	AY151631	AY151600	AY151538	AY151693	AY151662	AY151569		
<i>Olinia emarginata</i> Burttt Davy	J. Schönenberger 579, cultivated, Kirstenbosch Botanical Garden, (Z)	AY151632	AY151601	AY151539	AY151694	AY151663	AY151570		
<i>Olinia radiata</i> Hofmeyr & Phill.	T. Abbott 6341 (Z)	AY151633	AY151602	AY151540	AY151695	AY151664	AY151571		
<i>Olinia vanguerioides</i> Baker f.	A. Blarer s.n. (Z)	AY151634	AY151603	AY151541	AY151696	AY151665	AY151572		
<i>Olinia ventosa</i> (L.) Cufod.	J. Schönenberger 378 (Z), (BOL)	AY151635	AY151604	AY151542	AY151697	AY151666	AY151573		
Penaeaceae									

<i>Brachysiphon acutus</i> (Thunb.) A. Juss.	J. Schönenberger 365 (Z), (BOL)	AY151636	AY151605	AY151543	AY151698	AY151667	AY151574
<i>Brachysiphon fucatus</i> (L.) Gilg	J. Schönenberger 357 (Z), (BOL);	AY151637	AY151606	AY151544	AY151699	AY151668	AY151575
<i>Brachysiphon microphyllus</i> Rourke	J. Schönenberger 386 (Z), (BOL)	AY151639	AY151608	AY151546	AY151701	AY151670	AY151577
<i>Brachysiphon mundii</i> Sond.	J. Schönenberger 377 (Z), (BOL)	AY151638	AY151607	AY151545	AY1516700	AY151669	AY151576
<i>Brachysiphon rupestris</i> Sond.	J. Schönenberger 366 (Z), (BOL)	AY151640	AY151609	AY151547	AY151702	AY151671	AY151578
<i>Endonema lateriflora</i> (L.f.) Gilg	J. Schönenberger 369 (Z), (BOL)	AY151641	AY151610	AY151548	AY151703	AY151672	AY151579
<i>Endonema retzioides</i> Sond.	J. Schönenberger 370 (Z), (BOL)	AY151642	AY151611	AY151549	AY151704	AY151673	AY151580
<i>Glischrocolla formosa</i> (Thunb.) R. Dahlgren	J. Schönenberger 521, photo- vouchered <sup>a</sup>	AY151643	AY151612	AY151550	AY151705	AY151674	AY151581
<i>Penaea acutifolia</i> A. Juss.	J. Schönenberger 376 (Z), (BOL)	AY151644	AY151613	AY151551	AY151706	AY151675	AY151582
<i>Penaea cneorum</i> Meerb. <i>ssp. cneorum</i>	J. Schönenberger 363 (Z), (BOL)	AY151645	AY151614	AY151552	AY151707	AY151676	AY151583
<i>Penaea cneorum</i> Meerb. <i>ssp. gigantea</i> R. Dahlgren	J. Schönenberger 375 (Z), (BOL)	AY151646	AY151615	AY151553	AY151708	AY151677	AY151584
<i>Penaea cneorum</i> Meerb. cf. <i>ssp. lanceolata</i> R. Dahlgren <sup>b</sup>	J. Schönenberger 520 (Z), (BOL)	AY151647	AY151616	AY151554	AY151709	AY151678	AY151585
<i>Penaea cneorum</i> Meerb. <i>ssp. ovata</i> (Eckl. & Zeyh. ex A. DC.) R. Dahlgren	J. Schönenberger 374 (Z)	AY151648	AY151617	AY151555	AY151710	AY151679	AY151586

<i>Penaea cneorum</i> Meerb. cf. <i>ssp. ruscifolia</i> R. Dahlgren <sup>b</sup>	J. Schönenberger 368 (Z), (BOL)	AY151649	AY151618	AY151556	AY151711	AY151680	AY151587
<i>Penaea dahlgrenii</i> Rourke	J. Schönenberger 388 (Z), (BOL)	AY151650	AY151619	AY151557	AY151712	AY151681	AY151588
<i>Penaea mucronata</i> L.	J. Schönenberger 354 (Z), (BOL)	AY151651	AY151620	AY151558	AY151713	AY151682	AY151589
<i>Saltera sarcocolla</i> (L.) Bullock	J. Schönenberger 360 (Z), (BOL)	AY151652	AY151621	AY151559	AY151714	AY151683	AY151590
<i>Sonderothamnus petraeus</i> (Barker f.) R. Dahlgren	J. Schönenberger 362 (Z), (BOL)	AY151653	AY151622	AY151560	AY151715	AY151684	AY151591
<i>Sonderothamnus speciosus</i> (Sond.) R. Dahlgren	J. Schönenberger 364 (Z), (BOL)	AY151654	AY151623	AY151561	AY151716	AY151685	AY151592
<i>Stylapterus ericifolius</i> (A. Juss.) R. Dahlgren	J. Schönenberger 372 (Z), (BOL)	AY151655	AY151624	AY151562	AY151717	AY151686	AY151593
<i>Stylapterus ericoides</i> A. Juss. <i>ssp. pallidus</i> R. Dahlgren	J. Schönenberger 355 (Z), (BOL)	AY151656	AY151625	AY151563	AY151718	AY151687	AY151594
<i>Stylapterus fruticosus</i> (L. f.) A. Juss.	J. Schönenberger 359 (Z), (BOL)	AY151657	AY151626	AY151564	AY151719	AY151688	AY151595
<i>Stylapterus micranthus</i> R. Dahlgren	M. Johns s.n. (Z)	AY151658	AY151627	AY151565	AY151720	AY151689	AY151596
Rhynchoalycaceae							
<i>Rhynchocalyx lawsonioides</i> Oliv.	T. Abbott 7658 (Z)	AY151630	AY151599	AY151537	AY1516912	AY151661	AY151568

<sup>a</sup>*Glischrocolla formosa* is an extremely rare species in the Western Cape Province of South Africa, known only from two populations with few individuals. Therefore, we collected only as many leaves as absolutely necessary for successful DNA extraction.

<sup>b</sup>*Penaea cneorum* is a variable species and identification of the correct subspecies of *Penaea cneorum* was problematic for two specimens, as some of the characters were equivocal when compared to Dahlgren's (1971) key to the subspecies.