

Supplementary information S1

to: Phylogenetic relationships in the southern African genus *Drosanthemum* (Ruschioideae, Aizoaceae)

by Liede-Schumann, Grimm, Nürk, Potts, Meve & Hartmann

Table S1: Voucher. Sequences newly produced for the present study are indicated in **bold**.

Species	Section	Voucher	Origin	ITS	rps16-trnK	trnQ-rps16	rpl16	trnS-G
<i>Drosanthemum acuminatum</i> L.Bolus	<i>Necopina</i>	Hartmann & Bayer 34608 (HBG)	South Africa: Western Cape- Montagu	HG324008	HG323956	HG323982	LR030593	LR030877
<i>Drosanthemum acutifolium</i> (L.Bolus) L.Bolus	<i>Drosanthemum</i>	Bruckmann & Hansen 32406 (HBG)	South Africa: Western Cape- Riversdale	LR030506	LR030685	LR030783	LR030594	LR030878
<i>Drosanthemum</i> <i>albiflorum</i> (L.Bolus) Schwantes	<i>Vespertina</i>	Bruckmann & Hansen 32383 (HBG)	South Africa: Western Cape-Oudtshoorn	---	LR030686	LR030784	LR030595	LR030879
<i>Drosanthemum ambiguum</i> L.Bolus	<i>Drosanthemum</i>	Hartmann 30388 (HBG)	South Africa: Western Cape- Bredasdorp	---	LR030687	LR030785	LR030596	LR030880
<i>Drosanthemum anemophilum</i> Van Jaarsveld & S.A.Hammer	<i>Decidua</i>	VanJaarsveld sn	South Africa: Western Cape- Laingsburg	LR030981	LR031140	LR031092	LR031041	LR031198
<i>Drosanthemum archeri</i> L.Bolus	<i>Drosanthemum</i>	Hartmann et al. 31774 (HBG)	South Africa: Northern Cape- Fraserburg	LR030507	LR030688	LR030786	LR030597	LR030881
<i>Drosanthemum archeri</i> L.Bolus	<i>Drosanthemum</i>	Hartmann et al. 31788 (HBG)	South Africa: Western Cape- Prince Albert	LR030508	LR030689	LR030787	LR030598	LR030882
<i>Drosanthemum asperulum</i> (Salm-Dyck) Schwantes	<i>Quadrata</i>	Bruyys 9005 (BOL)	South Africa: Western Cape- Montagu	---	---	KF131854	KF132147	KF133114

Species	Section	Voucher	Origin	ITS	rps16-trnK	trnQ-rps16	rpl16	trnS-G
<i>Drosanthemum asperulum</i> (Salm-Dyck) Schwantes	<i>Quadrata</i>	Hartmann & Bayer 34502 (HBG)	South Africa: Western Cape- Swellendam	LR030982	LR031141	LR031093	LR031042	LR031199
<i>Drosanthemum attenuatum</i> (Haw.) Schwantes	<i>Ossicula</i>	Hartmann & Liede 11826 (HBG)	South Africa: Western Cape- Simonstown	LR030983	LR031142	LR031094	LR031043	LR031200
<i>Drosanthemum attenuatum</i> (Haw.) Schwantes <i>aff.</i>	<i>Ossicula</i>	Hartmann & Court 34650 (HBG)	South Africa: Western Cape- Mosselbay	LR030509	LR030690	LR030788	LR030599	LR030883
<i>Drosanthemum austricola</i> L.Bolus	<i>Ossicula</i>	Hartmann & Bayer 34695 (HBG)	South Africa: Western Cape- Bredasdorp	LR030510	LR030691	LR030789	LR030600	LR030884
<i>Drosanthemum bicolor</i> L.Bolus	<i>Necopina</i>	Bruckmann & Hansen 32459 (HBG)	South Africa Western Cape- Worcester	LR030511	LR030692	LR030790	LR030601	LR030885
<i>Drosanthemum boerhavii</i> (Ecklon) H.E.K.Hartmann	<i>Speciosa</i>	Hartmann & Bayer 34697 (HBG)	South Africa: Western Cape- Swellendam	LR030512	LR030693	LR030791	LR030602	LR030886
<i>Drosanthemum boerhavii</i> (Ecklon) H.E.K.Hartmann (<i>D. aureopurpureum</i>)	<i>Speciosa</i>	Hartmann & Bayer 34478 (HBG)	South Africa: Western Cape- Swellendam	LR030513	LR030694	LR030792	---	---
<i>Drosanthemum boerhavii</i> (Ecklon) H.E.K.Hartmann (<i>D. insolitum</i>)	<i>Speciosa</i>	Hartmann & Bayer 34596 (HBG)	South Africa: Western Cape- Worcester	LR030984	LR031143	LR031095	LR031044	LR031201
<i>Drosanthemum boerhavii</i> (<i>D. strictifolium</i> L.Bolus)	<i>Speciosa</i>	Hartmann & Bayer 34480 (HBG)	South Africa: Western Cape- Heidelberg	LR030514	LR030695	LR030793	LR030603	LR030887
<i>Drosanthemum brakfonteinense</i> Liede, A.Schweiger & H.E.K.Hartmann	<i>Speciosa</i>	Hartmann 34688 (HBG)	South Africa: Western Cape- Swellendam	LR030515	LR030696	LR030794	LR030604	LR030888
<i>Drosanthemum brevifolium</i> (Aiton) Schwantes	<i>Drosanthemum</i>	Bruckmann & Hansen 32242 (HBG)	South Africa: Western Cape- Vanrhynsdorp	LR030516	LR030697	LR030795	LR030605	LR030889

Species	Section	Voucher	Origin	ITS	rps16-trnK	trnQ-rps16	rpl16	trnS-G
<i>Drosanthemum calycinum</i> (Haw.) Schwantes	<i>Quastea</i>	Bruckmann & Hansen 32211 (HBG)	South Africa: Western Cape- Malmesbury	HG324009	HG323957	HG323983	---	LR030890
<i>Drosanthemum candens</i> (Haw.) Schwantes	<i>Drosanthemum</i>	Hartmann & Dehn 25014 (HBG)	South Africa: Eastern Cape- Albany	LR030985	LR031144	LR031096	LR031045	LR031202
<i>Drosanthemum candens</i> (Haw.) Schwantes	<i>Drosanthemum</i>	Hartmann 30541 (HBG)	South Africa: Western Cape- Murraysburg	LR030517	LR030698	LR030796	LR030606	LR030891
<i>Drosanthemum candens</i> (Haw.) Schwantes	<i>Drosanthemum</i>	Hartmann et al. 31897 (HBG)	South Africa: Eastern Cape- Albany	LR030518	LR030699	LR030797	LR030607	LR030892
<i>Drosanthemum cereale</i> L.Bolus	<i>Speciosa</i>	Hartmann & Bayer 34490 (HBG)	South Africa: Western Cape- Caledon	---	LR030700	LR030798	---	---
<i>Drosanthemum cereale</i> L.Bolus	<i>Speciosa</i>	Hartmann & Bayer 34491 (HBG)	South Africa: Western Cape- Caledon	LR030519	LR030701	---	---	LR030893
<i>Drosanthemum cereale</i> L.Bolus	<i>Speciosa</i>	Hartmann & Bayer 34492 (HBG)	South Africa: Western Cape- Caledon	LR030520	LR030702	LR030799	LR030608	LR030894
<i>Drosanthemum chrysum</i> L.Bolus	<i>Speciosa</i>	Hartmann & Bayer 34631 (HBG)	South Africa: Western Cape- Caledon	HG324010	HG323958	HG323984	LR030609	LR030895
<i>Drosanthemum crassum</i> L.Bolus	<i>Vespertina</i>	Hartmann et al. 25896 (HBG)	South Africa: Western Cape- Swellendam	HG324011	HG323959	HG323985	LR030610	LR030896
<i>Drosanthemum curtophyllum</i> L.Bolus	<i>Xamera</i>	Hartmann & Potgieter 32673 (HBG)	South Africa: Northern Cape- Namaqualand	HG324012	HG323960	HG323986	LR030611	LR030897
<i>Drosanthemum cymiferum</i> L.Bolus	<i>Quastea</i>	Hartmann et al. 25811 (HBG)	South Africa: Northern Cape- Calvinia	LR030521	LR030703	LR030800	---	LR030898

Species	Section	Voucher	Origin	ITS	rps16-trnK	trnQ-rps16	rpl16	trnS-G
<i>Drosanthemum cymiferum</i> L.Bolus	<i>Quastea</i>	Hartmann et al. 31686 (HBG)	South Africa: Northern Cape- Calvinia	LR030522	LR030704	LR030801	LR030612	LR030899
<i>Drosanthemum cymiferum</i> L.Bolus	<i>Quastea</i>	Bruckmann & Hansen 32250 (HBG)	South Africa: Northern Cape- Calvinia	LR030523	LR030705	LR030802	---	LR030900
<i>Drosanthemum deciduum</i> H.E.K.Hartmann & Bruckmann	<i>Decidua</i>	Bruckmann & Hansen 32241 (HBG)	South Africa: Western Cape- Vanrhynsdorp	---	LR030706	LR030803	LR030613	LR030901
<i>Drosanthemum deciduum</i> H.E.K.Hartmann & Bruckmann	<i>Decidua</i>	Klak 1638 (BOL)	South Africa: Western Cape- Vanrhynsdorp	---	---	KF131855	KF132148	KF133115
<i>Drosanthemum dejagerae</i> L.Bolus	<i>Xamera</i>	Hartmann et al. 31812 (HBG)	South Africa: Western Cape- Prince Albert	LR030524	LR030707	LR030804	LR030614	LR030902
<i>Drosanthemum delicatulum</i> (L.Bolus) Schwantes	<i>Drosanthemum</i>	Hartmann 30782 (HBG)	South Africa: Western Cape- Swellendam	---	LR030708	LR030805	LR030615	LR030903
<i>Drosanthemum delicatulum</i> (L.Bolus) Schwantes	<i>Drosanthemum</i>	Bruckmann & Hansen 32462 (HBG)	South Africa: Western Cape- Worcester	LR030986	LR031145	LR031097	LR031046	LR031203
<i>Drosanthemum dipageae</i> H.E.K.Hartmann	<i>Xamera</i>	Hartmann 34409 (HBG)	South Africa: Eastern Cape- Uitenhage	LR030525	LR030709	LR030806	LR030616	LR030904
<i>Drosanthemum ecclesianum</i> Liede & H.E.K.Hartmann	<i>Necopina</i>	Hartmann 34814 (HBG)	South Africa: Western Cape- Uniondale	LR030526	LR030710	LR030807	LR030617	LR030905
<i>Drosanthemum sp.</i> <i>ecclesianum</i> Liede & H.E.K.Hartmann	<i>Necopina</i>	Hartmann 34815 (HBG)	South Africa: Western Cape- Uniondale	LR030527	LR030711	LR030808	LR030618	---
<i>Drosanthemum edwardsiae</i> L.Bolus	<i>Speciosa</i>	Hartmann & Court 34648 (HBG)	South Africa: Western Cape- Mosselbay	LR030528	LR030712	LR030809	LR030619	---

Species	Section	Voucher	Origin	ITS	rps16-trnK	trnQ-rps16	rpl16	trnS-G
<i>Drosanthemum edwardsiae</i> L.Bolus	<i>Speciosa</i>	Hartmann & Court 34651 (HBG)	South Africa: Western Cape- Mosselbay	HG324014	HG323962	HG323988	LR031047	---
<i>Drosanthemum erigeriflorum</i> (Jacq.) Stearn	<i>Drosanthemum</i>	Hartmann & Dehn 26196 (HBG)	South Africa: Western Cape- Heidelberg	LR030529	LR030713	LR030810	LR030620	LR030906
<i>Drosanthemum expersum</i> (N.E.Br.) Schwantes	<i>Quastea</i>	Hartmann & Bayer 34590 (HBG)	South Africa: Western Cape- Ceres	LR030530	LR030714	LR030811	LR030621	LR030907
<i>Drosanthemum expersum</i> (N.E.Br.) Schwantes	<i>Quastea</i>	Hartmann & Bayer 34598 (HBG)	South Africa: Western Cape- Montagu	LR030579	LR030766	LR030861	LR030667	LR030961
<i>Drosanthemum flammeum</i> L.Bolus	<i>Speciosa</i>	Hartmann & Bayer 34460 (HBG)	South Africa: Western Cape- Worcester	HG324015	HG323963	HG323989	---	---
<i>Drosanthemum flavum</i> (Haw.) Schwantes	<i>Speciosa</i>	Hartmann & Bayer 34706 (HBG)	South Africa: Western Cape- Caledon	LR030531	LR030715	LR030812	LR030622	LR030908
<i>Drosanthemum floribundum</i> (Haw.) Schwantes cf.	<i>Drosanthemum</i>	Hartmann 34403 (HBG)	South Africa: Eastern Cape-Port Elizabeth	LR030532	LR030716	LR030813	LR030623	LR030909
<i>Drosanthemum fourcadei</i> Schwantes	<i>Xamera</i>	Hartmann 33900 (HBG)	South Africa: Eastern Cape- Uitenhage	LR030533	LR030717	LR030814	LR030624	LR030910
<i>Drosanthemum fourcadei</i> Schwantes	<i>Xamera</i>	Hartmann 34404 (HBG)	South Africa: Eastern Cape-Port Elizabeth	LR030552	LR030736	LR030832	LR030638	LR030929
<i>Drosanthemum framesii</i> L.Bolus	<i>Drosanthemum</i>	Bruckmann & Hansen 32339 (UBT)	South Africa: Western Cape- Ceres	LR030534	LR030718	LR030815	LR030625	LR030911
<i>Drosanthemum glabrescens</i> L. Bolus	<i>Drosanthemum</i>	Bruckmann & Hansen 32256 (UBT)	South Africa: Northern Cape- Calvinia	LR030535	LR030719	LR030816	LR030626	LR030912
<i>Drosanthemum gracillimum</i> L.Bolus	<i>Vespertina</i>	Bruyns 7170 (BOL)	South Africa: Western Cape- Robertson	---	---	KF131857	---	KF133117

Species	Section	Voucher	Origin	ITS	rps16-trnK	trnQ-rps16	rpl16	trnS-G
<i>Drosanthemum hallii</i> L.Bolus	<i>Speciosa</i>	Hartmann & Bayer 34610 (HBG)	South Africa: Western Cape- Worcester	LR030536	LR030720	LR030817	---	LR030913
<i>Drosanthemum hispidum</i> (Haw.) Schwantes	<i>Drosanthemum</i>	Hartmann 33866 (HBG)	South Africa: Eastern Cape-Port Elizabeth	HG324016	HG323964	HG323990	LR031048	LR031204
<i>Drosanthemum hispidum</i> (Haw.) Schwantes	<i>Drosanthemum</i>	Hartmann 34262 (HBG)	South Africa: Eastern Cape-Port Elizabeth	LR030537	LR030721	LR030818	LR030627	LR030914
<i>Drosanthemum hispifolium</i> (Haw.) Schwantes	<i>Ossicula</i>	Bruckmann & Hansen 32206 (HBG)	South Africa: Western Cape- Malmesbury	HG324017	HG323965	HG323991	LR031049	LR031205
<i>Drosanthemum hispifolium</i> (Haw.) Schwantes	<i>Ossicula</i>	Hartmann & Bayer 34587 (HBG)	South Africa: Western Cape- Tulbagh	LR030538	LR030722	LR030819	LR030628	LR030915
<i>Drosanthemum inornatum</i> (L.Bolus) L.Bolus	<i>Decidua</i>	Bruyns 10066 (BOL)	Namibia: Rosh Pinah	---	---	KF131858	KF132150	KF133118
<i>Drosanthemum inornatum</i> (L.Bolus) L.Bolus	<i>Decidua</i>	Hartmann & Potgieter 32654 (HBG)	South Africa: Northern Cape- Namaqualand- Numees	LR030539	LR030723	LR030820	---	LR030916
<i>Drosanthemum intermedium</i> L.Bolus		Bruckmann & Hansen 32200 (HBG)	South Africa: Western Cape- Simonstown	LR030987	LR031146	LR031098	LR031050	LR031206
<i>Drosanthemum intermedium</i> L.Bolus		Bruckmann & Hansen 32439 (HBG)	South Africa: Western Cape- Bredasdorp	LR030540	LR030724	LR030821	LR030629	LR030917
<i>Drosanthemum latipetalum</i> L.Bolus	<i>Drosanthemum</i>	Hartmann et al. 31568 (HBG)	South Africa: Northern Cape: Namaqualand	LR030541	LR030725	LR030822	LR030630	LR030918
<i>Drosanthemum latipetalum</i> L.Bolus	<i>Drosanthemum</i>	Hartmann et al. 31605 (HBG)	South Africa: Northern Cape: Namaqualand	LR030542	LR030726	LR030823	LR030631	LR030919

Species	Section	Voucher	Origin	ITS	rps16-trnK	trnQ-rps16	rpl16	trnS-G
<i>Drosanthemum latipetalum</i> L.Bolus	<i>Drosanthemum</i>	Bruckmann & Hansen 32217 (HBG)	South Africa: Western Cape- Clanwilliam	LR030543	LR030727	LR030824	LR030632	LR030920
<i>Drosanthemum lavisii</i> L.Bolus	<i>Speciosa</i>	Hartmann & Bayer 34693 (HBG)	South Africa: Western Cape- Napier	LR030544	LR030728	LR030825	LR030633	LR030921
<i>Drosanthemum lique</i> (N.E.Br.) Schwantes	<i>Vespertina</i>	Hartmann 34447 (HBG)	South Africa: Northern Cape- Williston	HG324018	HG323966	HG323992	---	LR030922
<i>Drosanthemum longipes</i> (L.Bolus) H.E.K.Hartmann	<i>Decidua</i>	Bruyns 6037 (BOL)	South Africa: Northern Cape- Calvinia	---	---	KF131859	KF132151	KF133119
<i>Drosanthemum longipes</i> (L.Bolus) H.E.K.Hartmann	<i>Decidua</i>	Van Jaarsveld s.n. (HBG)	South Africa: Western Cape- Riversdale	LR030988	LR031147	LR031099	LR031051	LR031207
<i>Drosanthemum luederitzii</i> (Engler) Schwantes	<i>Drosanthemum</i>	Hartmann et al. 26095 (HBG)	Namibia: Lüderitz-Süd	LR030546	LR030730	LR030827	LR030635	LR030924
<i>Drosanthemum marinum</i> L. Bolus	<i>Drosanthemum</i>	Bruckmann & Hansen 32205 (HBG)	South Africa: Western Cape- Malmesbury	LR030547	LR030731	LR030828	LR030636	LR030925
<i>Drosanthemum micans</i> (L.) Schwantes	<i>Speciosa</i>	Hartmann & Bayer 34597 (HBG)	South Africa: Western Cape- Montagu	LR030548	LR030732	LR030829	---	LR030926
<i>Drosanthemum micans</i> (L.) Schwantes	<i>Speciosa</i>	LeRoux 83/2 (HBG)	South Africa: Western Cape- Worcester	LR030549	LR030733	LR030830	---	LR030927
<i>Drosanthemum muirii</i> L.Bolus	<i>Drosanthemum</i>	Hartmann 30321 (HBG)	South Africa: Western Cape- Laingsburg	LR030551	LR030735	LR030831	LR030637	LR030928
<i>Drosanthemum muirii</i> L.Bolus	<i>Drosanthemum</i>	Bruckmann & Hansen 32209 (HBG)	South Africa: Northern Cape- Calvinia	LR030550	LR030734	---	---	---
<i>Drosanthemum nollothense</i> Liede & H.E.K.Hartmann	<i>Drosanthemum</i>	Hartmann 31547 (HBG)	South Africa: Northern Cape- Namaqualand	LR030553	LR030737	LR030833	LR030639	LR030930

Species	Section	Voucher	Origin	ITS	rps16-trnK	trnQ-rps16	rpl16	trnS-G
<i>Drosanthemum nollothense</i> Liede & H.E.K.Hartmann	<i>Drosanthemum</i>	Hartmann et al. 31569 (HBG)	South Africa: Northern Cape- Namaqualand	LR030554	LR030738	LR030834	LR030640	LR030931
<i>Drosanthemum nordenstamii</i> L.Bolus	<i>Drosanthemum</i>	Hartmann et al. 31533 (HBG)	South Africa: Northern Cape- Namaqualand	LR030555	LR030739	LR030835	LR030641	LR030932
<i>Drosanthemum obibense</i> Liede & H.E.K.Hartmann	<i>Drosanthemum</i>	Hartmann et al. 25972 (HBG)	Namibia: Lüderitz-Süd- Diamanten- Sperrgebiet	LR030545	LR030729	LR030826	LR030634	LR030923
<i>Drosanthemum obibense</i> Liede & H.E.K.Hartmann	<i>Drosanthemum</i>	Hartmann et al. 25979 (HBG)	Namibia: Lüderitz-Süd	LR030556	LR030740	LR030836	LR030642	LR030933
<i>Drosanthemum oculatum</i> L.Bolus	<i>Drosanthemum</i>	Hartmann et al. 31680 (HBG)	South Africa: Northern Cape- Calvinia	LR030557	LR030741	LR030837	LR030643	LR030934
<i>Drosanthemum oculatum</i> L.Bolus	<i>Drosanthemum</i>	Hartmann et al. 31710 (HBG)	South Africa: Northern Cape- Calvinia	LR030558	LR030742	LR030838	---	LR030935
<i>Drosanthemum opacum</i> L.Bolus	<i>Drosanthemum</i>	Bruckmann & Hansen 32212 (HBG)	South Africa: Western Cape- Morreesburg	LR030559	LR030743	LR030839	LR030644	LR030936
<i>Drosanthemum pallens</i> (Haw.) Schwantes (<i>D. stokoei</i>)	<i>Ossicula</i>	Bayer 7454 (HBG)	South Africa: Northern Cape: Namaqualand	HG324021	HG323970	HG323996	LR030645	LR030937
<i>Drosanthemum papillatum</i> L.Bolus	<i>Quastea</i>	Hartmann 34456 (HBG) - Worcester	South Africa: Western Cape- Worcester	LR030560	LR030744	LR030840	LR030646	LR030938
<i>Drosanthemum papillatum</i> L.Bolus	<i>Quastea</i>	Hartmann & Bayer 34607 (HBG)	South Africa: Western Cape- Swellendam	HG324020	HG323968	HG323994	LR031052	LR031208
<i>Drosanthemum papillatum</i> L.Bolus	<i>Quastea</i>	Hartmann & Bayer 34614 (HBG)	South Africa: Western Cape- Worcester	LR030561	LR030745	LR030841	LR030647	LR030939

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<i>Drosanthemum papillatum</i> L.Bolus	<i>Quastea</i>	Hartmann & Bayer 34624 (HBG)	South Africa: Western Cape- Montagu	LR030562	LR030746	LR030842	LR030648	LR030940
<i>Drosanthemum papillatum</i> L.Bolus	<i>Quastea</i>	Hartmann & Bayer 34629 (HBG)	South Africa: Western Cape- Caledon	---	LR030747	LR030843	---	LR030941
<i>Drosanthemum parvifolium</i> (Haw.) Schwantes	<i>Drosanthemum</i>	Hartmann 30399 (HBG)	South Africa: Western Cape- Bredasdorp	LR030563	LR030748	LR030844	LR030649	LR030942
<i>Drosanthemum praecultum</i> (N.E.Br.) Schwantes (<i>D.</i> <i>montaguense</i>)	<i>Xamera</i>	Hartmann et al. 31824 (HBG)	South Africa: Western Cape- Uniondale	HG324019	HG323967	HG323993	LR030650	LR030943
<i>Drosanthemum prostratum</i> L.Bolus <i>aff.</i>	<i>Drosanthemum</i>	Hartmann 34316 (HBG)	South Africa: Northern Cape- Calvinia	LR030564	LR030749	LR030845	LR030651	LR030944
<i>Drosanthemum prostratum</i> L.Bolus	<i>Drosanthemum</i>	Hartmann & Bayer 34592 (HBG)	South Africa: Western Cape- Ceres	LR030565	LR030750	LR030846	LR030652	LR030945
<i>Drosanthemum pulchrum</i> L.Bolus	<i>Speciosa</i>	Hartmann & Bayer 34712 (HBG)	South Africa: Western Cape- Worcester	LR030566	LR030751	LR030847	---	LR030946
<i>Drosanthemum quadratum</i> Klak	<i>Quadrata</i>	Bruyns 7812 (BOL)	South Africa: Western Cape- Swellendam	---	---	KF131861	KF132153	KF133121
<i>Drosanthemum quadratum</i> Klak	<i>Quadrata</i>	Hartmann & Bayer 34503 (HBG)	South Africa: Western Cape- Swellendam	LR030568	LR030753	LR030849	LR030654	LR030948
<i>Drosanthemum ramosissimum</i> L.Bolus	<i>Drosanthemum</i>	Schmiedel 110492 (HBG)	South Africa: Western Cape- Moedverloren	LR030569	LR030754	LR030850	LR030655	LR030949
<i>Drosanthemum</i> <i>schoenlandianum</i> L.Bolus	<i>Drosanthemum</i>	Bruyns 7172 (BOL)		AJ438214	---	JN896435	KF132154	JN896382
<i>Drosanthemum</i> <i>schoenlandianum</i> L.Bolus	<i>Drosanthemum</i>	Hartmann et al. 25751 (HBG)	South Africa: Northern Cape- Calvinia	LR030989	LR031148	LR031100	LR031053	---

Species	Section	Voucher	Origin	ITS	rps16-trnK	trnQ-rps16	rpl16	trnS-G
<i>Drosantheum semiglobosum</i> L.Bolus	<i>Necopina</i>	Hartmann & Bayer 34593 (HBG)	South Africa: Western Cape- Worcester	LR030570	LR030755	LR030851	LR030656	LR030950
<i>Drosantheum sp.</i>	<i>Drosantheum</i>	Bruckmann & Hansen 32218 (HBG)	South Africa: Western Cape- Clanwilliam	LR030571	LR030756	LR030852	LR030657	LR030951
<i>Drosantheum sp.</i>	<i>Drosantheum</i>	Bruckmann & Hansen 32382 (HBG)	South Africa: Western Cape- Oudtshoorn	---	LR030757	LR030853	LR030658	LR030952
<i>Drosantheum sp.</i>	<i>Drosantheum</i>	Bruckmann & Hansen 32392 (HBG)	South Africa: Western Cape- Mosselbay	LR030572	LR030758	LR030854	LR030659	LR030953
<i>Drosantheum sp.</i>	<i>Drosantheum</i>	Hartmann & Bayer 34472 (HBG)	South Africa: Western Cape- Robertson	LR030573	LR030759	LR030855	LR030660	LR030954
<i>Drosantheum sp.</i>	<i>Drosantheum</i>	Hartmann & Bayer 34496 (HBG)	South Africa: Western Cape- Swellendam	LR030574	LR030760	LR030856	LR030661	LR030955
<i>Drosantheum sp.</i>	<i>Drosantheum</i>	Hartmann 30568 (HBG)	South Africa: Eastern Cape- Graaff-Reinet	LR030575	LR030761	LR030857	LR030662	LR030956
<i>Drosantheum sp.</i>	<i>Drosantheum</i>	Hartmann 33182 (HBG)	South Africa: Northern Cape- De Aar	LR030576	LR030762	LR030858	LR030663	LR030957
<i>Drosantheum sp.</i>	<i>Drosantheum</i>	Hartmann et al. 25365 (HBG)	South Africa: Western Cape- Prince Albert	LR030577	LR030763	LR030859	LR030664	LR030958
<i>Drosantheum sp.</i>	<i>Drosantheum</i>	Hartmann et al. 25376 (HBG)	South Africa: Western Cape- Ceres	---	LR030764	LR030860	LR030665	LR030959
<i>Drosantheum sp.</i>	<i>Ossicula</i>	Hartmann & Bayer 34699 (HBG)	South Africa: Western Cape- Swellendam	LR030578	LR030765	LR215984	LR030666	LR030960

Species	Section	Voucher	Origin	ITS	rps16-trnK	trnQ-rps16	rpl16	trnS-G
<i>Drosantheum sp.</i>	<i>Vespertina</i>	Bruckmann & Hansen 32378 (HBG)	South Africa: Western Cape-Prince Albert	LR030580	LR030767	LR030862	LR030668	LR030962
<i>Drosantheum sp.</i>	<i>Vespertina</i>	Bruckmann & Hansen 32404 (HBG)	South Africa: Western Cape-Riversdale	LR030581	LR030768	LR030863	LR030669	LR030963
<i>Drosantheum sp.</i>	<i>Vespertina</i>	Hartmann 31059 (HBG)	South Africa: Northern Cape-Philipstown	LR030582	LR030769	LR030864	LR030670	LR030964
<i>Drosantheum sp.</i>	<i>Vespertina</i>	Hartmann 34804 (HBG)	South Africa: Eastern Cape-Port Elizabeth	LR030583	LR030770	LR030865	LR030671	LR030965
<i>Drosantheum sp.</i>	<i>Vespertina</i>	Hartmann et al. 25424 (HBG)	South Africa: Northern Cape-Namaqualand	---	LR030771	LR030866	LR030672	LR030966
<i>Drosantheum sp.</i>	<i>Vespertina</i>	Hartmann et al. 26170a (HBG)	South Africa: Western Cape-Vredendal	LR030584	LR030772	LR030867	LR030673	LR030967
<i>Drosantheum sp.</i>	<i>Vespertina</i>	Hartmann et al. 31925 (HBG)	South Africa: Eastern Cape-Cradock	---	LR030773	LR030868	LR030674	LR030968
<i>Drosantheum sp.</i>	<i>Vespertina</i>	Hartmann et al. 33490 (HBG)	South Africa: Eastern Cape-Hofmeyr	LR030585	LR030774	LR030869	LR030675	LR030969
<i>Drosantheum sp.</i>	<i>Xamera</i>	Hartmann & Milton 34586 (HBG)	South Africa: Western Cape-Prince Albert	LR030586	LR030775	LR030870	LR030676	LR030970
<i>Drosantheum sp.</i>	<i>Xamera</i>	Hartmann 34424 (HBG)	South Africa: Northern Cape-Victoria West	LR030587	LR030776	LR030871	LR030677	LR030971
<i>Drosantheum sp.</i>	<i>Drosantheum</i>	Mucina 161005-14 (NBG)	South Africa: Western Cape-Piketberg	LR030588	LR030777	LR030872	LR030678	LR030972

Species	Section	Voucher	Origin	ITS	rps16-trnK	trnQ-rps16	rpl16	trnS-G
<i>Drosanthemum speciosum</i> (Haw.) Schwantes	<i>Speciosa</i>	Bruyns 9006 (BOL)	South Africa: Western Cape- Worcester	---	---	KF131862	KF132155	KF133122
<i>Drosanthemum speciosum</i> (Haw.) Schwantes	<i>Speciosa</i>	Hartmann & Bayer 34619 (HBG)	South Africa: Western Cape- Worcester	HE585039	HG323969	HG323995	---	---
<i>Drosanthemum striatum</i> Schwantes	<i>Ossicula</i>	Hartmann 29013 (HBG)	South Africa: Western Cape- Worcester	LR030589	LR030778	---	LR030679	LR030973
<i>Drosanthemum striatum</i> Schwantes	<i>Ossicula</i>	Hartmann & Bayer 34698 (HBG)	South Africa: Western Cape- Swellendam	LR030567	LR030752	LR030848	LR030653	LR030947
<i>Drosanthemum striatum</i> Schwantes	<i>Ossicula</i>	Hartmann & Bayer 34720 (HBG)	South Africa: Western Cape- Worcester	LR030590	LR030779	LR030873	LR030680	LR030974
<i>Drosanthemum subclausum</i> L.Bolus	<i>Drosanthemum</i>	Hartmann et al. 25737 (HBG)	South Africa: Western Cape- Vanrhynsdorp	HG324022	HG323971	HG323997	LR030681	LR030975
<i>Drosanthemum subplanum</i> L.Bolus	<i>Drosanthemum</i>	Bruckmann & Hansen 32259 (HBG)	South Africa: Northern Cape- Calvinia	LR030591	LR030780	LR030874	LR030682	LR030976
<i>Drosanthemum tetramerum</i> H.E.K.Hartmann	<i>Quadrata</i>	Hartmann & Bayer 34488 (HBG)	South Africa: Western Cape- Caledon	LR030990	LR031149	LR031101	---	---
<i>Drosanthemum thudichumii</i> L.Bolus	<i>Necopina</i>	Hartmann & Bayer 34714 (HBG)	South Africa: Western Cape- Worcester	HG324023	HG323972	HG323998	LR031054	LR031209
<i>Drosanthemum tuberculiferum</i> L. Bolus	<i>Drosanthemum</i>	Bruckmann & Hansen 32398 (HBG)	South Africa: Western Cape- Riversdale	---	LR030781	LR030875	LR030683	LR030977
<i>Drosanthemum uniondalense</i> H.E.K.Hartmann	<i>Speciosa</i>	Hartmann 34813 (HBG)	South Africa: Western Cape- Uniondale	LR030592	LR030782	LR030876	LR030684	LR030978

Species	Section	Voucher	Origin	ITS	rps16-trnK	trnQ-rps16	rpl16	trnS-G
<i>Drosanthemum zygophylloides</i> (L.Bolus) L.Bolus		Klak 830 (BOL)	South Africa: Western Cape- Piketberg	---	---	KF131863	KF132156	KF133123
<i>Drosanthemum zygophylloides</i> (L.Bolus) L.Bolus		Mucina 130216-4	South Africa: Western Cape- Piketberg	LR030991	LR031150	LR031102	LR031055	LR031210
Outgroup	Clade in Klak et al. (2013)							
<i>Antegibbaeum fissoides</i> (Haw.) Schwantes ex H.Wulff	L3	Klak 308 (BOL)	South Africa: Western Cape	AJ438227	--	KF131867	KF132159	KF133127
<i>Antimima ventricosa</i> (L.Bolus) H.E.K.Hartmann	L2	Klak 475 (BOL)	South Africa: Northern Cape	AJ438225	--	JN896434	KF132163	JN896381
<i>Braunsia geminata</i> (Haw.) L.Bolus	L2	Klak 205 (BOL)	South Africa	AJ438228	--	KF131875	KF132168	KF133135
<i>Carpobrotus muirii</i> (L.Bolus) L.Bolus	L1	Klak 706 (BOL)	South Africa: Western Cape	AJ438230	--	KF131877	KF132170	KF133137
<i>Cephalophyllum inaequale</i> L.Bolus	L1	Hartmann 7883 (HBG)	South Africa: Western Cape	HG324002	HG323950	HG323976	LR031056	LR031211
<i>Chasmatophyllum musculinum</i> (Haw.) Dinter & Schwantes	L3	Bolduan s.n.	ex hort. ZSS (994202/0)	HG324003	HG324003	HG323977	LR031057	LR031212
<i>Cheiridopsis pearsonii</i> N.E.Br.	I	Bruyns 9504 (BOL)	South Africa	--	--	KF131885	KF132178	KF133145
<i>Cheiridopsis rostrata</i> (L.) N.E.Br.	I	Powell 88 (NBG)	South Africa: Western Cape	--	--	KY635278	KY635037	KY635358
<i>Conophytum calculus</i> (A.Berger) N.E.Br.	I	Klak 1641 (BOL)	South Africa: Western Cape	--	--	KF131887	KF132180	KF133147
		Ritz s.n.	ex hort.	FN386499	--	--	--	--
<i>Corpuscularia lehmannii</i> (Eckl. & Zeyh.) Schwantes	F	Klak 353 (BOL)	South Africa	--	--	KF131889	KF132182	KF133149
<i>Corpuscularia lehmannii</i> (Eckl. & Zeyh.) Schwantes		Hartmann & Kremling 33693 (HBG)	South Africa: Eastern Cape	AJ582942	--	--	--	--
<i>Deilanthe peersii</i> (L.Bolus) N.E.Br.	L4	Klak 1694 (BOL)	South Africa: Western Cape	--	--	KF131891	KF132184	KF133151
<i>Deilanthe peersii</i> (L.Bolus) N.E.Br.		Hartmann & Dehn 15486 (HBG)	South Africa: Eastern Cape	LR030992	LR031151	--	--	--

Species	Section	Voucher	Origin	ITS	rps16-trnK	trnQ-rps16	rpl16	trnS-G
<i>Delosperma echinatum</i> (Lam.) Schwantes	F	Hartmann & Kremling 33682 (HBG)	South Africa: Eastern Cape	HG324005	HG323953	HG323979	LR031067	LR031225
<i>Delosperma esterhuyseniae</i> L.Bolus	F	Bruyns 7141 (BOL)	South Africa	AJ438213	--	JN896438	KF132187	JN896385
<i>Dicrocaulon brevifolium</i> N.E.Br.	B	Hartmann 1480 (HBG)	South Africa: Western Cape	LR030993	LR031152	LR031103	LR031058	LR031213
<i>Dicrocaulon microstigma</i> (L.Bolus) Ihlenf.	B	Ihlenfeldt & Hartmann 4529 (HBG)	South Africa: Western Cape	HG324007	HG323955	HG323981	LR031059	LR031214
<i>Disphyma dunsdonii</i> L.Bolus	C	Klak 808 (BOL)	South Africa	--	--	KF131902	KF132194	KF133162
<i>Disphyma dunsdonii</i> L.Bolus		Hartmann & Bayer 34630 (HBG)	South Africa: Western Cape	LR030994	LR031153	--	--	--
<i>Drosanthemopsis diversifolia</i> (L.Bolus) Klak	H	Hartmann et al. 26169 (HBG)	South Africa: Western Cape	HG324013	HG323961	HG323987	LR031060	LR031215
<i>Drosanthemopsis diversifolia</i> (L.Bolus) Klak	H	Klak 1743 (BOL)	South Africa	--	--	KF131856	KF132149	KF133116
<i>Drosanthemopsis vaginata</i> (L.Bolus) Rauschert	H	Wisura 882 (BOL)	South Africa	--	--	KF131923	KF132215	KF133184
" <i>Drosanthemum</i> " <i>pulverulentum</i> (Haw.) Schwantes	L1	Klak 1847 (BOL)	South Africa: Western Cape	--	--	KF131860	KF132152	KF133120
<i>Erepsia inlaudens</i> (Haw.) Schwantes	L1	Bruyns 6847 (BOL)	South Africa: Western Cape	AJ438234	--	KF131907	KF132200	KF133168
<i>Enarganthe octonaria</i> (L.Bolus) N.E.Br.	I	Klak 491 (BOL)	South Africa: Northern Cape	--	--	JN896433	KF132198	JN896380
<i>Enarganthe octonaria</i> (L.Bolus) N.E.Br.		Hartmann 7505 (HBG)	South Africa: Northern Cape	LR030995	LR031154	--	--	--
<i>Esterhuysenia mucronata</i> (L.Bolus) Klak	L2	Klak 709 (BOL)	South Africa: Western Cape	AJ438255		KF131908	KF132201	KF133169
<i>Gibbaeum hortenseae</i> (N.E.Br.) Thiede & Klak	E	Klak 1979 (BOL)	South Africa	--	--	KF131913	KF132205	KF133174
<i>Gibbaeum pachypodium</i> (Kensit) L.Bolus	E	Klak 380 (BOL)	South Africa	--	--	KF131914	KF132206	KF133175
<i>Glottiphyllum cruciatum</i> (Haw.) N.E.Br.	D	Bruyns 8207	South Africa	--	--	KF131915	KF132207	KF133176

Species	Section	Voucher	Origin	ITS	rps16-trnK	trnQ-rps16	rpl16	trnS-G
<i>Glottiphyllum cruciatum</i> (Haw.) N.E.Br.		Hartmann 8809 (HBG)	South Africa: Western Cape	LR030996	LR031155	--	--	--
<i>Hartmanthus pergamentaceus</i> (L.Bolus) S.A.Hammer	K	Klak 243 (BOL)	Namibia	--	--	KF131919	KF132211	KF133180
<i>Hartmanthus pergamentaceus</i> (L.Bolus) S.A.Hammer	K	Klak 1992 (BOL)		--	--	KF131920	KF132212	KF133181
<i>Ihlenfeldtia excavata</i> (L.Bolus) H.E.K.Hartmann	I	Wisura 1926 (BOL)	South Africa	--	--	KF131921	KF132214	KF133182
<i>Ihlenfeldtia excavata</i> (L.Bolus) H.E.K.Hartmann		Hartmann et al. 20587 (HBG)	South Africa: Northern Cape	LR030997	LR031156	--	--	--
<i>Jacobsenia hallii</i> L.Bolus	J	Ihlenfeldt & Hartmann 4463 (HBG)	South Africa: Northern Cape	HG324024	HG323973	HG323999	LR031061	LR031216
<i>Jacobsenia kolbei</i> (L.Bolus) L.Bolus & Schwantes	J	Klak 1819 (BOL)	South Africa	--	--	KF131922	--	KF133183
<i>Jacobsenia kolbei</i> (L.Bolus) L.Bolus & Schwantes		Ihlenfeldt & Hartmann 5060 (HBG)	South Africa: Western Cape	AJ582951	--	--	--	--
<i>Lampranthus bicolor</i> (L.) N.E.Br.	L1	Klak 543 (BOL)	South Africa: Western Cape	AJ438250	--	JN896437	KF132221	JN896384
<i>Lithops julii</i> (Dinter & Schwantes) N.E.Br. ssp. <i>fulleri</i> (N.E.Br.) Fearn	L1	Klak 701 (BOL)	South Africa: Northern Cape	AJ438218	--	KF131934	KF132227	KF133195
<i>Malephora lutea</i> (Haw) Schwantes	D	Klak 664 (BOL)	South Africa: Western Cape	--	--	KF131936	KF132229	KF133197
<i>Meyerophytum globosum</i> (L.Bolus) Ihlenf.	G	Hammer sub HBG 6314 (BOL)	South Africa	--	--	KF131939	KF132087	KF133200
<i>Meyerophytum meyeri</i> (Schwantes) Schwantes	G	Rawe s.n. (BOL)	South Africa	--	--	KF131940	KF132233	KF133201
<i>Meyerophytum meyeri</i> (Schwantes) Schwantes		Ihlenfeldt & Hartmann 5046 (HBG)	South Africa: Northern Cape	LR030998	LR031157	--	--	--
<i>Mitrophyllum clivorum</i> (N.E.Br.) Schwantes	G	Klak 1987 (BOL)	South Africa	--	--	KF131941	KF132234	KF133202

Species	Section	Voucher	Origin	ITS	rps16-trnK	trnQ-rps16	rpl16	trnS-G
<i>Mitrophyllum clivorum</i> (N.E.Br.) Schwantes		Ihlenfeldt & Hartmann 4681 (HBG)	South Africa: Northern Cape	LR030999	LR031158	--	--	--
<i>Monilaria moniliformis</i> (Thunb.) Ihlenf. & Jürgens	B	Klak 787 (BOL)	South Africa: Western Cape	--	--	KF131942	KF132235	KF133203
<i>Monilaria moniliformis</i> (Thunb.) Ihlenf. & Jürgens		Ihlenfeldt & Hartmann 4213 (HBG)	South Africa: Western Cape	LR031000	LR031159	--	--	--
<i>Nananthus aloides</i> (Haw.) Schwantes	L4	Klak 1797 (BOL)	South Africa: North West Province	--	--	KF131946	KF132238	KF133207
<i>Nananthus aloides</i> (Haw.) Schwantes		Hartmann 32029 (HBG)	South Africa: Northern Cape	LR031001	LR031160	--	--	--
<i>Odontophorus marlothii</i> N.E.Br.	I	Hartmann 7582 (HBG)	South Africa: Northern Cape	HG324025	HG323974	HG324000	LR031062	LR031217
<i>Odontophorus marlothii</i> N.E.Br.	I	Klak 862 (BOL)	South Africa: Northern Cape	--	--	KF131951	KF132243	KF133212
<i>Oscularia deltoides</i> (L.) Schwantes	L1	Klak 215 (BOL)	South Africa	AJ438215	--	KF131955	KF132246	KF133216
<i>Pleiospilos simulans</i> (Marloth) N.E.Br.	L4	Bruyns 4988 (BOL)	South Africa: Eastern Cape	--	--	KF131959	KF132250	KF133220
<i>Polymita steenbokensis</i> H.E.K.Hartmann	I	Bruyns 8267 (BOL)	South Africa: Northern Cape	--	--	KF131960	KF132251	KF133221
<i>Polymita steenbokensis</i> H.E.K.Hartmann		Hartmann & Bayer 78032 (HBG)	South Africa: Northern Cape	LR031002	LR031161	--	--	--
<i>Prepodesma orpenii</i> (N.E.Br.) N.E.Br.	L4	Klak 1800 (BOL)	South Africa: North West Province	--	--	KF131961	--	KF133222
<i>Prepodesma orpenii</i> (N.E.Br.) N.E.Br.		Hartmann & Dehn 19666 (HBG)	South Africa: Northern Cape	LR031003	LR031162	--	--	--
<i>Roosia grahambeckii</i> (Van Jaarsv.) Van Jaarsv.	--	VanJaarsveld s.n. (NBG)	South Africa: Western Cape	LR031004	LR031163	LR031104	LR031063	LR031218
<i>Ruschia maxima</i> (Haw.) L.Bolus	L1	Klak 704 (BOL)	South Africa	AJ438222	--	KF131969	KF132258	KF133231
<i>Schlechteranthus hallii</i> L.Bolus	I	Klak 259 (BOL)	South Africa: Northern Cape	--	--	KF131980	KF132268	KF133242

Species	Section	Voucher	Origin	ITS	rps16-trnK	trnQ-rps16	rpl16	trnS-G
<i>Schlechteranthus hallii</i> L.Bolus		Hartmann 8276 (HBG)	South Africa: Northern Cape	LR031005	--	--	--	--
<i>Scopelogenia bruynsii</i> Klak	L1	Klak 462 (BOL)	South Africa: Western Cape	AJ438258	--	KF131982	KF132269	KF133244
<i>Smicrostigma viride</i> (Haw.) N.E.Br.	L2	Klak 180 (BOL)	South Africa: Western Cape	AJ438259	--	JN896432	KF132270	JN896379
<i>Vlokia ater</i> S.A.Hammer	L3	Hammer & Vlok 1181 (BOL)	South Africa: Western Cape	AJ438260	--	KF131992	KF132279	KF133254
<i>Wooleya farinosa</i> (L.Bolus) L.Bolus	L1	Hartmann 7213 (HBG)	South Africa: Northern Cape	HG324026	HG323975	HG324001	LR031064	LR031219
<i>Zeuktophyllum suppositum</i> (L.Bolus) N.E.Br.	L2	Klak 375 (BOL)	South Africa: Western Cape	AJ438262	--	KF131994	KF132281	KF133256
Dorotheanthaeae								
<i>Cleretum bellidiforme</i> (Burm.f.) G.D.Rowley		Klak 627 (BOL)/ Klak 1534 (BOL)	South Africa: South Western Cape	KF132145	JN896383	JN896436	--	JN896503
<i>Cleretum papulosum</i> (L.f.) L.Bolus		Klak 1487 (BOL)	South Africa: Northern Cape	KF132146	JN896408	JN896461	--	JN896507
<i>Cleretum rourkei</i> L. Bolus		Klak 1524 (BOL)	South Africa: Northern Cape	--	JN896500	JN896454	--	JN896500
Apatesieae								
<i>Conicosia pugioniformis</i> (L.) N.E.Br. ssp. <i>muirii</i> (N.E.Br.) Ihlenf. & Gerbaulet		Klak 1570	South Africa: South Western Cape	KF132144	JN896409	JN896462	--	JN896508
<i>Conicosia pugioniformis</i> (L.) N.E.Br.		Juergens sn.	South Africa	HG324004	HG323952	HG323978	--	--