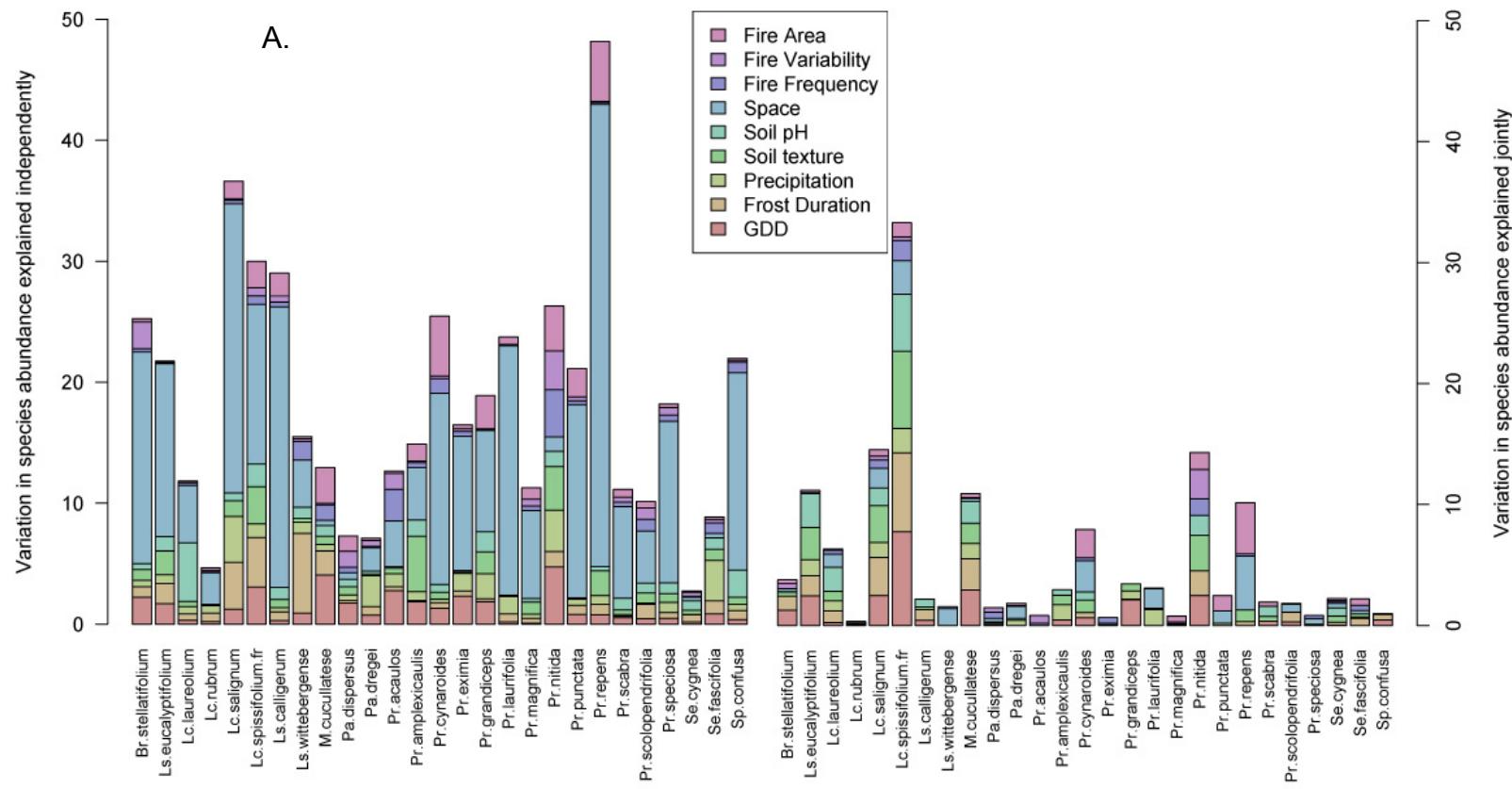


Supplementary material

Appendix 1. Selected life history traits of the 27 Cape Floristic Proteaceae species included for analysis. Nomenclature follows Rebelo (2001).

Species	Generation (yr)	Seed dispersal vector	Average seed volume (mL)	Average seed production	Fire response	Seed storage	Height	Major Pollinator
<i>Brabejum stellatifolium</i>	400	water	NA	5000	resprouting	recalcitrant	10000	insect
<i>Leucadendron eucalyptifolium</i>	20	wind	42	18000	seeding	serotinous	3000	small beetles
<i>Leucadendron laureolum</i>	20	wind	100	5400	seeding	serotinous	1000	small beetles
<i>Leucadendron rubrum</i>	20	wind	56	2250	seeding	serotinous	1500	wind
<i>Leucadendron salignum</i>	200	wind	76	2100	resprouting	serotinous	500	small beetles
<i>Leucadendron spissifolium fragrans</i>	200	wind	42	2250	resprouting	serotinous	500	small beetles
<i>Leucospermum calligerum</i>	20	ant	54	525	seeding	underground	1500	birds
<i>Leucospermum wittebergense</i>	20	ant	54	200	seeding	underground	1000	birds
<i>Mimetes cucullatus</i>	200	ant	200	750	resprouting	underground	1000	birds
<i>Paranomus dispersus</i>	20	ant	96	2000	resprouting	underground	1000	insect
<i>Paranomus dregei</i>	20	ant	96	250	seeding	underground	1000	insect
<i>Protea acaulos</i>	20	wind	NA	NA	resprouting	serotinous	200	mammals
<i>Protea amplexicaulis</i>	20	wind	16	800	seeding	serotinous	300	mammals
<i>Protea cynaroides</i>	200	wind	72	720	resprouting	serotinous	1000	birds
<i>Protea eximia</i>	20	wind	67	5800	seeding	serotinous	3000	birds
<i>Protea grandiceps</i>	20	wind	34	2560	seeding	serotinous	2000	birds
<i>Protea laurifolia</i>	40	wind	NA	7600	seeding and escape	serotinous	4000	birds
<i>Protea magnifica</i>	20	wind	NA	350	seeding	serotinous	1500	birds
<i>Protea nitida</i>	200	wind	156	3000	resprouting	litter	500	birds
<i>Protea punctata</i>	20	wind	26	2400	seeding	serotinous	3000	birds
<i>Protea repens</i>	20	wind	145	9300	seeding	serotinous	2500	birds
<i>Protea scabra</i>	20	wind	NA	30	resprouting	serotinous	300	mammals
<i>Protea scolopendriifolia</i>	20	wind	NA	85	resprouting	serotinous	500	mammals
<i>Protea speciosa</i>	200	wind	43	240	resprouting	serotinous	750	birds
<i>Serruria cygnea</i>	200	ant	12	900	resprouting	underground	750	insect
<i>Serruria fasciflora</i>	20	ant	36	2400	seeding	underground	500	insect
<i>Spatalla confusa</i>	20	ant	9	1800	seeding	underground	500	insect

Appendix 2. Results of hierarchical partitioning for 27 Proteaceae species; stacked barplots show the contribution to variation (log-likelihood) in A. species abundance and B. species presence explained by each of the 9 explanatory variables. Graphs on the left represent the independent component of explained variation, while graphs on the right represent the joint component.



B.

