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Murray I. Dawson

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Index of chromosome numbers of indigenous New Zealand spermatophytes

MURRAY I. DAWSON

Landcare Research
P.O. Box 69
Lincoln, New Zealand

Abstract An index of chromosome numbers for spermatophytes indigenous to the New Zealand Botanical Region is presented, along with full references to the original reports. Chromosome numbers are listed for 1212 species out of a total estimated indigenous spermatophyte flora of 1883 described species. This represents 64.4% of the total with chromosome counts (100% for gymnosperms, 74.3% for dicotyledons, and 39.8% for monocotyledons).

Keywords chromosome numbers; Spermatophyta; Gymnospermae; Dicotyledonae; Monocotyledonae; New Zealand Botanical Region; cytology; index

INTRODUCTION

The earliest known chromosome determinations of indigenous New Zealand plants were published over 90 years ago, for two species of *Podocarpus* (Burlingame 1908). Burlingame's counts were less than those obtained by later workers, but still an achievement considering the limitations of the equipment and sectioning techniques employed at the time. Other early chromosome counts of New Zealand spermatophytes (gymnosperms, dicotyledons, and monocotyledons) were published for the Apiaceae (Wanscher 1932, 1933; Tamamschian 1933; Mathias & Constance 1955), Poaceae (Calder

1937; Hair 1953, 1956), Rubiaceae (Homeyer 1935; Fagerlind 1937; de Poucques 1949), *Hebe* (Huber 1927; Simonet 1934; Frankel & Hair 1937; Frankel 1940, 1941), and other groups (e.g., Hair 1942; Rattenbury 1957).

Major progress in documenting systematically the chromosomes of New Zealand spermatophytes was made by J. B. Hair and E. J. Beuzenberg, in the *Contributions to a chromosome atlas of the New Zealand flora* series that they initiated. Fifty years after Burlingame's (1908) pioneering counts, their first paper in the series (Hair & Beuzenberg 1958a) also investigated the chromosomes of New Zealand conifers, using the then recently developed chromosome squash techniques. In the 1980s, Ernst Beuzenberg trained and inspired Murray Dawson, who is continuing the chromosome atlas series today. Thirty-six papers have currently been published (Dawson & Beuzenberg 2000), and contributions are still forthcoming. Elsewhere, chromosome counts on New Zealand plants are rather scattered, and are included as parts of unpublished theses, revisions, and cytological papers on various groups.

The first attempt to index the chromosome numbers of indigenous New Zealand spermatophytes was presented in the *Flora of New Zealand Vol. II* (Moore & Edgar 1970, pp. 299–326). That compilation lists records published up to 1968 and is now more than 30 years out of date. More recently, chromosome numbers of indigenous vascular plants of New Zealand have been included in unpublished checklists (e.g., Druce 1992, 1993). However, those chromosome counts from gametic and somatic sources are all translated into diploid numbers, and are lacking the bibliographic citations linking them to the original publications.

The compilation presented here provides a comprehensive and up-to-date listing of published and unpublished chromosome numbers of spermatophytes indigenous to the New Zealand Botanical Region. This index complements the *Index of chromosome numbers of indigenous New Zealand pteridophytes* (ferns and fern allies) compiled by Dawson et al. (2000).

CONVENTIONS FOLLOWED

Taxa are arranged under the following plant groups: Gymnospermae, Dicotyledonae, and Monocotyledonae. Under these groups, taxa are listed alphabetically by family, genus, species, subspecies, variety, forma, cultivar, and hybrid (Table 1).

In brackets after each genus name is the number of described species with chromosome counts, followed by an estimate of the number of species in the genus occurring in the New Zealand Botanical Region. The taxonomic treatment follows the *Flora of New Zealand Volumes I* (Allan 1961), *II* (Moore & Edgar 1970), *IV* (Webb et al. 1988), and *V* (Edgar & Connor 2000)*, and other relevant taxonomic literature (e.g., Connor & Edgar 1987).

Names have generally been modified to exclude orthographic variants, including the spelling of "novae-zealandiae" and similar epithets referring to the country of New Zealand (Webb & Edgar 1999). Otherwise, where the currently accepted name differs from that used by the author of the chromosome count, the original name is cited in the reference column. Author citations follow the standardised abbreviations in *Authors of Plant Names* (Brummitt & Powell 1992). Standardised family names terminating in "-aceae" (e.g., Asteraceae) precede the more traditional alternatives (Compositae) provided in brackets.

Taxa of uncertain rank are listed showing their probable affinity (e.g., *Hydrocotyle* aff. *novae-zealandiae*). Entities are considered to be taxonomically indeterminate (e.g., *Hydrocotyle* (indet.)) where there are no obvious affinities. Where known, informal names are provided for cross-referencing (mainly from Druce 1980, 1993; Eagle 1982; Cameron et al. 1995; and de Lange et al. 1999a). These informal ("tag") names have no taxonomic status and are listed in square brackets in the reference column.

Only chromosome counts made from plants indigenous to the New Zealand Botanical Region are included in the main body of the chromosome index (Table 1). Macquarie Island is part of Australian Territory, but is in the New Zealand Botanical Region, so the chromosome counts of Moore (1960) are included. A selection of counts made from plants originating naturally outside the New Zealand Botanical Region is listed in Appendix 1.1, where those taxa are considered to also occur in New Zealand.

*I have compiled a separate list of chromosome numbers of indigenous Poaceae (Gramineae) for the grass flora of New Zealand (Edgar & Connor 2000).

Examples of taxa that are often considered indigenous to the New Zealand Botanical Region but are widespread elsewhere include *Calystegia sepium* (L.) R.Br., *Carex diandra* Schrank, *C. echinata* Murray, *C. lachenalii* Schkuhr, *Cotula coronopifolia* L., *Deschampsia cespitosa* (L.) P.Beauv., *Pseudognaphalium luteoalbum* (L.) Hilliard et B.L.Burt, *Spergularia media* (L.) C.Presl, *Trisetum spicatum* (L.) K.Richt., *Typha orientalis* C.Presl, and *Zannichellia palustris* L.

Early cytological literature tends to lack locality information, and sometimes the country of origin of the material studied is not specified. This creates difficulties where a taxon has a published chromosome count of unspecified provenance and may be indigenous to areas other than the New Zealand Botanical Region. Taxa with these uncertainties are omitted from Table 1 and are listed in Appendix 1.2. Appendix 1.3 lists other taxa excluded from Table 1, along with supporting comments. Based on the chromosome counts accepted here (Table 1), and those rejected (Appendix 1), those genera (along with an estimate of the number of species) in New Zealand that lack known chromosome counts are listed in Appendix 2.

References to the chromosome counts of each taxon are in chronological order and cited by author surname, year of publication, and page number. Chromosome counts are cited here as presented in the original published or unpublished work, in preference to secondary sources such as other chromosome indexes (e.g., Darlington & Wylie 1955; Bolkhovskikh et al. 1969; *Index to Plant Chromosome Numbers* series) or cytotaxonomic review papers (e.g., Tateoka 1960; Hair 1966). Similarly, researchers should refer back to the original publication in preference to citing this index. All sources are usually cited in circumstances where the original author has provided the same count in more than one work. Where the original author has subsequently emended an earlier count, or other authors have commented on it, these references are often noted. I have made my own comments on the validity of certain counts or identifications in the reference column and in Appendix 1.

Many early publications do not cite herbarium voucher specimens, so the identification of the material examined cannot always be confirmed. Herbarium numbers are provided (when available) in those cases where the voucher specimens have been redetermined, or to clarify ambiguities. Where possible, herbarium numbers of voucher specimens are cited for previously unpublished counts.

Chromosome numbers cited as “*n*” represent the gametic count determined at meiosis. Where pairing has been reported at meiosis, the number of univalents, bivalents, trivalents, etc. are recorded in roman numerals (e.g., 8_{II}+1_{IV}). Where analysis of the pairing has not been possible,

meiosis is recorded as “irregular”. Numbers cited as “*2n*” represent the somatic count determined at mitosis.

Additional records and corrections to errors are welcome. I can be contacted at the e-mail address: dawsonm@landcare.cri.nz

Table 1 Chromosome numbers of indigenous New Zealand spermatophytes.
GYMNOSPERMAE

Taxon	<i>n</i>	<i>2n</i>	Reference
ARAUCARIACEAE			
<i>Agathis</i> (1/1)			
<i>australis</i> (D.Don) Loudon	13	26	Hair & Beuzenberg 1958a: 618
<i>australis</i> (D.Don) Loudon	–	26	Davies et al. 1997: 171
CUPRESSACEAE			
<i>Libocedrus</i> (2/2)			
<i>bidwillii</i> Hook.f.	11	22	Hair & Beuzenberg 1958a: 618
<i>bidwillii</i> Hook.f.	–	22	Davies et al. 1997: 171
<i>plumosa</i> (D.Don) Sarg.	–	22	Lane in Darlington & Wylie 1955: 6
<i>plumosa</i> (D.Don) Sarg.	11	22	Hair & Beuzenberg 1958a: 618
<i>plumosa</i> (D.Don) Sarg.	–	22	Davies et al. 1997: 171
PHYLLOCLADACEAE			
<i>Phyllocladus</i> (3/3)			
<i>alpinus</i> Hook.f.	9	18	Hair & Beuzenberg 1958a: 621
<i>alpinus</i> Hook.f.	9	18	Hair & Beuzenberg 1958b: 1585
<i>alpinus</i> Hook.f.	–	18	Davies et al. 1997: 171
<i>toatoa</i> Molloy	9	18	Hair & Beuzenberg 1958a: 621; as <i>P. glaucus</i>
<i>toatoa</i> Molloy	9	18	Hair & Beuzenberg 1958b: 1585; as <i>P. glaucus</i>
<i>toatoa</i> Molloy	–	18	Davies et al. 1997: 172; as <i>P. glaucus</i>
<i>trichomanoides</i> D.Don	9	18	Hair & Beuzenberg 1958a: 621
<i>trichomanoides</i> D.Don	9	18	Hair & Beuzenberg 1958b: 1585
<i>trichomanoides</i> D.Don	–	18	Davies et al. 1997: 172
PODOCARPACEAE			
<i>Dacrycarpus</i> (1/1)			
<i>dacrydioides</i> (A.Rich.) de Laub.	10	20	Hair & Beuzenberg 1958a: 619; as <i>Podocarpus dacrydioides</i>
<i>dacrydioides</i> (A.Rich.) de Laub.	10	20	Hair & Beuzenberg 1958b: 1585; as <i>Podocarpus dacrydioides</i>
<i>dacrydioides</i> (A.Rich.) de Laub.	–	20	Davies et al. 1997: 171
<i>Dacrydium</i> (1/1)			
<i>cupressinum</i> Lamb.	10	20	Hair & Beuzenberg 1958a: 619
<i>cupressinum</i> Lamb.	10	20	Hair & Beuzenberg 1958b: 1585
<i>cupressinum</i> Lamb.	–	20	Davies et al. 1997: 171
<i>Halocarpus</i> (3/3)			
<i>bidwillii</i> (Kirk) Quinn	9	18	Hair & Beuzenberg 1958a: 619; as <i>Dacrydium bidwillii</i>
<i>bidwillii</i> (Kirk) Quinn	9	18	Hair & Beuzenberg 1958b: 1585; as <i>Dacrydium bidwillii</i>
<i>bidwillii</i> (Kirk) Quinn	–	18	Hair 1963a: 402; as <i>Dacrydium bidwillii</i>
<i>bidwillii</i> (Kirk) Quinn	–	18	Davies et al. 1997: 171
<i>bidwillii</i> forma <i>reclinata</i> Kirk	–	18	Hair & Beuzenberg 1958a: 619; as <i>Dacrydium bidwillii</i> var. <i>reclinata</i>
<i>biformis</i> (Hook.) Quinn	12	24	Hair & Beuzenberg 1958a: 618; as <i>Dacrydium biforme</i>
<i>biformis</i> (Hook.) Quinn	12	24	Hair & Beuzenberg 1958b: 1585; as <i>Dacrydium biforme</i>
<i>biformis</i> (Hook.) Quinn	–	24	Hair 1963a: 402; as <i>Dacrydium biforme</i>
<i>biformis</i> (Hook.) Quinn	–	24	Davies et al. 1997: 171

Table 1 (*contd*) GYMNOSPERMAE

Taxon	<i>n</i>	<i>2n</i>	Reference
PODOCARPACEAE (<i>contd</i>)			
<i>kirkii</i> (Parl.) Quinn	11	22	Hair & Beuzenberg 1958a: 619; as <i>Dacrydium kirkii</i>
<i>kirkii</i> (Parl.) Quinn	11	22	Hair & Beuzenberg 1958b: 1585; as <i>Dacrydium kirkii</i>
<i>kirkii</i> (Parl.) Quinn	–	22	Hair 1963a: 402; as <i>Dacrydium kirkii</i>
<i>kirkii</i> (Parl.) Quinn	–	22	Davies et al. 1997: 171
<i>Lepidothamnus</i> (2/2)			
<i>intermedius</i> (Kirk) Quinn	15	30	Hair & Beuzenberg 1958a: 618; as <i>Dacrydium intermedius</i>
<i>intermedius</i> (Kirk) Quinn	15	30	Hair & Beuzenberg 1958b: 1585; as <i>Dacrydium intermedius</i>
<i>intermedius</i> (Kirk) Quinn	–	30	Hair 1963a: 402; as <i>Dacrydium intermedius</i>
<i>intermedius</i> (Kirk) Quinn	–	30	Davies et al. 1997: 171
<i>laxifolius</i> (Hook.f.) Quinn	15	30	Hair & Beuzenberg 1958a: 618; as <i>Dacrydium laxifolium</i>
<i>laxifolius</i> (Hook.f.) Quinn	15	30	Hair & Beuzenberg 1958b: 1585; as <i>Dacrydium laxifolium</i>
<i>laxifolius</i> (Hook.f.) Quinn	–	30	Hair 1963a: 402; as <i>Dacrydium laxifolium</i>
<i>laxifolius</i> (Hook.f.) Quinn	–	30	Davies et al. 1997: 171
<i>laxifolius</i> × <i>intermedius</i>	15	30	Quinn & Rattenbury 1972: 431–432; as <i>Dacrydium laxifolium</i> × <i>D. intermedius</i> . Putative hybrid
<i>laxifolius</i> × <i>intermedius</i>	15	30	J. B. Hair in Quinn & Rattenbury 1972: 429; as <i>Dacrydium laxifolium</i> × <i>D. intermedius</i> . Putative hybrid
<i>Manoao</i> (1/1)			
<i>colensoi</i> (Hook.) Molloy	10	20	Hair & Beuzenberg 1958a: 619; as <i>Dacrydium colensoi</i>
<i>colensoi</i> (Hook.) Molloy	10	20	Hair & Beuzenberg 1958b: 1585; as <i>Dacrydium colensoi</i>
<i>colensoi</i> (Hook.) Molloy	–	20	Hair 1963a: 402; as <i>Dacrydium colensoi</i>
<i>colensoi</i> (Hook.) Molloy	–	20	Davies et al. 1997: 171
<i>Podocarpus</i> (4/4)			
<i>acutifolius</i> Kirk	17	34	Hair & Beuzenberg 1958a: 621
<i>acutifolius</i> Kirk	17	34	Hair & Beuzenberg 1958b: 1585
<i>acutifolius</i> Kirk	–	34	Davies et al. 1997: 172
<i>hallii</i> Kirk	17	34	Hair & Beuzenberg 1958a: 620
<i>hallii</i> Kirk	17	34	Hair & Beuzenberg 1958b: 1585
<i>hallii</i> Kirk	–	34	Davies et al. 1997: 172
<i>hallii</i> ?	12	24	Burlingame 1908: 172; as <i>P. totara hallii</i> . Count or identity uncertain
<i>hallii</i> × <i>nivalis</i>	18	36	Hair & Beuzenberg 1958a: 620; as <i>P. nivalis</i> var. <i>erectus</i> . Putative hybrid; see Allan 1961: 107
<i>hallii</i> × <i>nivalis</i>	18	36	Previously unpublished count, E. J. Beuzenberg & J. B. Hair (CHR 200220). Putative hybrid; see Allan 1961: 107
<i>nivalis</i> Hook.	–	38	Snod 1952: 47
<i>nivalis</i> Hook.	19	38	Hair & Beuzenberg 1958a: 620
<i>nivalis</i> Hook.	19	38	Hair & Beuzenberg 1958b: 1585
<i>nivalis</i> Hook.	–	38	Davies et al. 1997: 172
<i>nivalis</i> ?	12	24	Burlingame 1908: 172; as <i>P. nivalis</i> . Count or identity uncertain
<i>totara</i> G.Benn. ex D.Don	17	34	Hair & Beuzenberg 1958a: 621
<i>totara</i> G.Benn. ex D.Don	17	34	Hair & Beuzenberg 1958b: 1585
<i>totara</i> G.Benn. ex D.Don	–	34	Davies et al. 1997: 172
<i>Prumnopitys</i> (2/2)			
<i>ferruginea</i> (D.Don) de Laub.	18	36	Hair & Beuzenberg 1958a: 620; as <i>Podocarpus ferrugineus</i>
<i>ferruginea</i> (D.Don) de Laub.	18	36	Hair & Beuzenberg 1958b: 1585; as <i>Podocarpus ferrugineus</i>
<i>ferruginea</i> (D.Don) de Laub.	–	36	Davies et al. 1997: 172
<i>taxifolia</i> (D.Don) de Laub.	19	38	Hair & Beuzenberg 1958a: 620; as <i>Podocarpus spicatus</i>
<i>taxifolia</i> (D.Don) de Laub.	19	38	Hair & Beuzenberg 1958b: 1585; as <i>Podocarpus spicatus</i>
<i>taxifolia</i> (D.Don) de Laub.	–	38	Davies et al. 1997: 172

DICOTYLEDONAE

Taxon	<i>n</i>	<i>2n</i>	Reference
AIZOACEAE (including TETRAGONIACEAE)			
<i>Disphyma</i> (2/2)			
<i>australe</i> (Aiton) N.E.Br. subsp. <i>australe</i>	18	36	Hair & Beuzenberg 1959: 149; as <i>D. australe</i>
<i>australe</i> subsp. <i>stricticaule</i> Chinnock	—	36	Murray & de Lange 1999: 512, 514
<i>papillatum</i> Chinnock	—	36	Murray & de Lange 1999: 512, 514
<i>Tetragonia</i> (2/2)			
<i>tetragonioides</i> (Pall.) Kuntze	16	—	Hair & Beuzenberg 1959: 149
<i>trigyna</i> Banks et Sol. ex Hook.f.	48	—	Hair & Beuzenberg 1959: 149
ALSEUOSMIACEAE			
<i>Alseuosmia</i> (2/4)			
<i>macrophylla</i> A.Cunn.	9	—	Gardner & Rattenbury 1977: 446
<i>pusilla</i> Colenso	—	18	Beuzenberg & Hair 1983: 13
APIACEAE (UMBELLIFERAE)			
<i>Aciphylla</i> (22/42)			
<i>aurea</i> W.R.B.Oliv.	—	22	Hair 1980a: 559
<i>congesta</i> Cheeseman	—	22	Hair 1980a: 559
<i>crenulata</i> J.B.Armstr.	—	22	Hair 1980a: 559
<i>dieffenbachii</i> (F.Muell.) Kirk	11	22	Hair & Beuzenberg 1960: 435; as <i>Coxella dieffenbachii</i>
<i>dissecta</i> (Kirk) W.R.B.Oliv.	—	22	Hair 1980a: 559
<i>dobsonii</i> -Hook.f.	—	22	Hair 1980a: 559
<i>ferox</i> W.R.B.Oliv.	—	22	Hair 1980a: 559
<i>glaucescens</i> W.R.B.Oliv.	—	22	Hair 1980a: 559. [<i>A.</i> "glaucescens rigid" in Druce 1993]
<i>hectorii</i> Buchanan	—	22	Hair 1980a: 559
<i>horrida</i> W.R.B.Oliv.	—	22	Hair 1980a: 559
<i>inermis</i> W.R.B.Oliv.	—	22	Hair 1980a: 559
<i>lyallii</i> Hook.f.	—	22	Hair 1980a: 559
<i>monroi</i> Hook.f.	—	22	Hair 1980a: 559
<i>multisecta</i> Cheeseman	—	22	Hair 1980a: 560
<i>pinnatifida</i> Petrie	—	22	Hair 1980a: 560
<i>polita</i> (Kirk) Cheeseman	—	22	Hair 1980a: 560
<i>similis</i> Cheeseman	—	22	Hair 1980a: 560
<i>simplex</i> Petrie	—	22	Hair 1980a: 560
<i>spedenii</i> Cheeseman	—	22	Hair 1980a: 560
<i>squarrosa</i> var. <i>flaccida</i> Kirk	—	22	Hair 1980a: 560. [<i>A.</i> "flaccida" in Druce 1993 and Cameron et. al. 1995]
<i>squarrosa</i> J.R.Forst. et G.Forst. var. <i>squarrosa</i>	—	22	Hair 1980a: 560. [<i>A.</i> "Tararua" in Druce 1993]
<i>squarrosa</i> J.R.Forst. et G.Forst. var. <i>squarrosa</i> ?	—	22	Wanscher 1933: 386; as <i>A. squarrosa</i>
<i>subflabellata</i> W.R.B.Oliv.	—	22	Hair 1980a: 560
<i>traversii</i> (F.Muell.) Hook.f.	—	22	Wanscher 1933: 386
<i>traversii</i> (F.Muell.) Hook.f.	—	22	Hair 1980a: 560
<i>Anisotome</i> (9/15)			
<i>aromatica</i> Hook.f.	—	c. 22	Dawson 1961: 12
<i>aromatica</i> Hook.f.	11	22	Hair 1980a: 560
<i>capillifolia</i> (Cheeseman) Cockayne	—	22	Hair 1980a: 560
<i>delloidea</i> Cheeseman	—	22	Hair 1980a: 560
<i>filifolia</i> (Hook.f.) Cockayne et Laing	11	22	Hair 1980a: 560
<i>flexuosa</i> J.W.Dawson	—	22	Dawson 1989: 164
<i>haastii</i> (F.Muell. ex Hook.f.) Cockayne et Laing	—	22	Hair 1980a: 560
<i>imbricata</i> var. <i>prostrata</i> J.W.Dawson	—	22	Hair 1980a: 560. [<i>A.</i> "prostrata" in Druce 1993]
<i>latifolia</i> Hook.f.	—	22	Hair 1980a: 560
<i>pilifera</i> (Hook.f.) Cockayne et Laing	—	22	Hair 1980a: 560

Table 1 (contd) DICOTYLEDONAE

Taxon	<i>n</i>	<i>2n</i>	Reference
APIACEAE (UMBELLIFERAE) (contd)			
<i>Apium</i> (1/1)			
<i>prostratum</i> subsp. <i>prostratum</i> var. <i>filiforme</i> (A.Rich.) Kirk	11	22	Beuzenberg & Hair 1963: 57; as <i>A. australe</i> , <i>A. filiforme</i> , and <i>A. australe</i> × <i>filiforme</i> . See Short 1979: 215. [<i>A.</i> "slender" in Druce 1993]
<i>Centella</i> (1/1)			
<i>uniflora</i> (Colenso) Nannf.	38	–	Hair & Beuzenberg 1960: 435
<i>uniflora</i> (Colenso) Nannf.	36	–	Constance et al. 1971: 582
<i>Eryngium</i> (1/1)			
<i>vesiculosum</i> Labill.	32	64	Beuzenberg & Hair 1963: 57
<i>Gingidia</i> (6/6)			
<i>baxterae</i> (J.W.Dawson) C.J.Webb	–	22	J. B. Hair in Webb 1977: 639
<i>baxterae</i> (J.W.Dawson) C.J.Webb	–	22	Hair 1980a: 560
<i>decipiens</i> (Hook.f.) J.W.Dawson	11	22	Hair & Beuzenberg 1960: 435; as <i>Angelica decipiens</i>
<i>decipiens</i> (Hook.f.) J.W.Dawson	–	22	Dawson & Beuzenberg 2000: 2–3
<i>enysii</i> (Kirk) J.W.Dawson	–	22	J. B. Hair in Webb 1977: 640
<i>enysii</i> (Kirk) J.W.Dawson	–	22	Hair 1980a: 560
<i>flabellata</i> (Kirk) J.W.Dawson	–	22	Hair 1980a: 560
<i>montana</i> (J.R.Forst. et G.Forst.) J.W.Dawson	11	22	Hair & Beuzenberg 1960: 435; as <i>Angelica montana</i>
<i>trifoliolata</i> (Hook.f.) J.W.Dawson	11	22	Hair & Beuzenberg 1960: 435; as <i>Angelica trifoliolata</i>
<i>Hydrocotyle</i> (9/9)			
<i>dissecta</i> Hook.f.	–	48	Hair 1980a: 560
<i>dissecta</i> ?	22	–	Bell & Constance 1966: 513; as <i>H. dissecta</i> . Count or identity uncertain
<i>elongata</i> A.Cunn.	–	48	Hair 1980a: 560
<i>heteromeria</i> A.Rich.	–	60	Hair 1966: 566; as <i>H. microphylla</i>
<i>heteromeria</i> A.Rich.	–	60	Hair 1980a: 560; as <i>H. americana</i> and <i>H. microphylla</i> . See Webb & Beuzenberg 1987: 372
<i>hydrophila</i> Petrie	–	144	E. J. Beuzenberg & J. B. Hair in Hair 1980a: 560; as <i>H. sp.</i> (<i>2n</i> = 144). See Webb & Johnson 1982: 165 and Webb & Beuzenberg 1987: 372
<i>microphylla</i> A.Cunn.	–	48	Webb & Beuzenberg 1987: 372
<i>moschata</i> G.Forst.	24	–	Wanscher 1932: 50
<i>moschata</i> G.Forst.	24	–	Constance et al. 1976: 613
<i>moschata</i> G.Forst.	–	48	Hair 1980a: 560
<i>moschata</i> G.Forst.	–	48	Webb & Beuzenberg 1987: 372; as <i>H. moschata</i> (small leaf)
<i>moschata</i> ?	–	c. 36	Tamamschian 1933: 138, 140, 162; as <i>H. moschata</i> . Count or identity uncertain
<i>novae-zeelandiae</i> var. <i>montana</i> Kirk	–	132	Hair 1980a: 560
<i>novae-zeelandiae</i> var. <i>montana</i> Kirk	–	132, c. 132	Webb & Beuzenberg 1987: 372
<i>novae-zeelandiae</i> DC. var. <i>novae-zeelandiae</i>	–	c. 72	Webb & Beuzenberg 1987: 372; as <i>H. novae-zeelandiae</i> sens. strict.
<i>novae-zeelandiae</i> var. <i>robusta</i> (Kirk) Cheeseman	–	<200	Webb & Beuzenberg 1987: 372; as <i>H. novae-zeelandiae</i> (robusta)
aff. <i>novae-zeelandiae</i>	–	132	Webb & Beuzenberg 1987: 372; as <i>H. novae-zeelandiae</i> (alpine North Id)
<i>novae-zeelandiae</i> ?	24	–	Wanscher 1933: 385; as <i>H. novae zeelandiae</i> . Identity uncertain
<i>novae-zeelandiae</i> × <i>sulcata</i> ?	–	72	Webb & Beuzenberg 1987: 372. Putative hybrid
<i>pterocharpa</i> F.Muell.	–	48	Hair 1980a: 560
<i>sulcata</i> C.J.Webb et P.N.Johnson	–	72	E. J. Beuzenberg & J. B. Hair in Hair 1980a: 560; as <i>H. sp.</i> (<i>2n</i> = 72). See Webb & Johnson 1982: 165 and Webb & Beuzenberg 1987: 372
(indet.)	–	c. 160	Moore 1960: 187; as <i>H. sp.</i> [<i>H.</i> "Macquarie" in Druce 1993]

Taxon	<i>n</i>	<i>2n</i>	Reference
(indet.)	–	c. 96	Webb & Beuzenberg 1987: 372; as <i>H. sp.</i> (Ototoa). [<i>H. "Ototoa"</i> in Druce 1993 and Cameron et al. 1995]
<i>Lignocarpa</i> (2/2)			
<i>carosula</i> (Hook.f.) J.W.Dawson	–	22	Hair 1980a: 560
<i>diversifolia</i> (Cheeseman) J.W.Dawson	11	22	Hair 1980a: 560
<i>Lilaeopsis</i> (1/2)			
<i>novae-zelandiae</i> (Gand.) A.W.Hill	–	44	Dawson & Beuzenberg 2000: 2–3
<i>Oreomyrrhis</i> (3/3)			
<i>colensoi</i> Hook.f.	7	–	C. R. Bell in Mathias & Constance 1955: 350, 373. Count uncertain
<i>colensoi</i> Hook.f.	–	12	Hair 1980a: 560
<i>ramosa</i> Hook.f.	6	–	J. A. Rattenbury in Mathias & Constance 1955: 350, 373
<i>ramosa</i> Hook.f.	–	12	J. B. Hair in Mathias & Constance 1955: 350, 373
<i>ramosa</i> Hook.f.	6	12	Hair 1980a: 561
<i>rigida</i> (Kirk) Allan ex Mathias et Constance	–	12	J. B. Hair in Mathias & Constance 1955: 350, 373
<i>rigida</i> (Kirk) Allan ex Mathias et Constance	6	12	Hair 1980a: 561
(indet.)	–	12	Hair 1980a: 561; as <i>O. sp.</i> [<i>O. "minutiflora"</i> in Druce 1993 and Cameron et al. 1995; <i>O. (a)</i> in de Lange et al. 1999a]
<i>Scandia</i> (2/2)			
<i>geniculata</i> (G.Forst.) J.W.Dawson	11	22	Hair & Beuzenberg 1960: 435; as <i>Angelica geniculata</i>
<i>rosifolia</i> (Hook.) J.W.Dawson	11	22	Hair & Beuzenberg 1960: 435; as <i>Angelica rosaefolia</i> . [<i>S. rosaefolia</i> form (i) in Eagle 1982; <i>S. "rosifolia 1"</i> in Druce 1993]
<i>Schizeilema</i> (11/11)			
<i>allanii</i> Cheeseman	–	32	Hair 1980a: 561
<i>cockaynei</i> (Diels) Cheeseman	–	48	Hair 1980a: 561
<i>colensoi</i> Domin	–	80	Hair 1980a: 561
<i>exiguum</i> (Hook.f.) Domin	–	32	Hair 1980a: 561
<i>haastii</i> var. <i>cyanopetalum</i> (Domin) Cheeseman	–	32	Hair 1980a: 561. [<i>S. "cyanopetalum"</i> in Druce 1993]
<i>haastii</i> (Hook.f.) Domin var. <i>haastii</i>	–	32	Hair 1980a: 561
<i>hydrocotyloides</i> (Hook.f.) Domin	16	32	Hair 1980a: 561
<i>nitens</i> (Petrie) Domin	–	48	Hair 1980a: 561
<i>pallidum</i> (Kirk) Domin	–	48	Hair 1980a: 561
<i>reniforme</i> (Hook.f.) Domin	–	32	Hair 1980a: 561
<i>roughii</i> (Hook.f.) Domin	–	32	Hair 1980a: 561
<i>trifoliolatum</i> (Hook.f.) Domin	–	48	Hair 1980a: 561
(indet.)	–	64	Hair 1980a: 561; as <i>S. sp.</i> [<i>S. "NI"</i> in Druce 1993]
APOCYNACEAE			
<i>Parsonsia</i> (3/3)			
<i>capsularis</i> (G.Forst.) R.Br.	–	18	Beuzenberg & Hair 1983: 13 (CHR 100108, CHR 102509)
<i>heterophylla</i> A.Cunn.	–	18	Beuzenberg & Hair 1983: 13
<i>praeruptis</i> Heads et de Lange	–	18	Beuzenberg & Hair 1983: 13; as <i>P. capsularis</i> (CHR 102510). [<i>P. capsularis</i> form (i) in Eagle 1982; <i>P. "Surville"</i> in Druce 1993 and Cameron et al. 1995]
<i>praeruptis</i> Heads et de Lange	–	18	Murray & de Lange 1999: 512, 514. [<i>P. capsularis</i> form (i) in Eagle 1982; <i>P. "Surville"</i> in Druce 1993 and Cameron et al. 1995]
ARALIACEAE			
<i>Meryta</i> (1/1)			
<i>sinclairii</i> (Hook.f.) Seem.	–	48	Beuzenberg & Hair 1983: 13
<i>Pseudopanax</i> (9/12)			
<i>arboreus</i> (Murray) Philipson	–	48	Rattenbury 1956: 8; as <i>Nothopanax arboreum</i>
<i>arboreus</i> (Murray) Philipson	–	c. 48	Rattenbury 1957: 938; as <i>Nothopanax arboreum</i>
<i>colensoi</i> (Hook.f.) Philipson	–	48	Rattenbury 1956: 8; as <i>Nothopanax colensoi</i>
<i>colensoi</i> (Hook.f.) Philipson	–	c. 48	Rattenbury 1957: 938; as <i>Nothopanax colensoi</i>
<i>crassifolius</i> (Sol. ex A.Cunn.) C.Koch	–	48	Beuzenberg & Hair 1983: 13

Table 1 (contd) DICOTYLEDONAE

Taxon	<i>n</i>	<i>2n</i>	Reference
ARALIACEAE (contd)			
<i>crassifolius</i> × <i>lessonii</i> ?	–	48	Wanscher 1933: 386; as <i>P. crassifolia</i> var. <i>trifoliata</i> . Putative hybrid; see Allan 1961: 440
<i>discolor</i> (Kirk) Harms	–	48	Rattenbury 1957: 938
<i>discolor</i> (Kirk) Harms	–	48	Beuzenberg & Hair 1983: 13
<i>ferox</i> Kirk	–	48	Rattenbury 1957: 938
<i>ferox</i> Kirk	–	48	Beuzenberg & Hair 1983: 13
<i>kermadecensis</i> (W.R.B.Oliv.) Philipson	–	48	Beuzenberg & Hair 1983: 13; as <i>P. arboreus</i> var. <i>kermadecensis</i>
<i>laetus</i> (Kirk) Philipson	–	48	Rattenbury 1956: 8; as <i>Nothopanax laetum</i>
<i>laetus</i> (Kirk) Philipson	–	48	Rattenbury 1957: 938; as <i>Nothopanax laetum</i>
<i>lessonii</i> (DC.) C.Koch	–	48	Rattenbury 1957: 938
<i>macintyreii</i> (Cheeseman) Wardle	–	48	J. B. Hair in Wardle 1968: 233
Raukawa (3/3)			
<i>anomalous</i> (Hook.) A.D.Mitch., Frodin et Heads	–	24	Rattenbury 1956: 8; as <i>Nothopanax anomalum</i>
<i>anomalous</i> (Hook.) A.D.Mitch., Frodin et Heads	–	c. 24	Rattenbury 1957: 938; as <i>Nothopanax anomalum</i>
<i>anomalous</i> × <i>simplex</i> (<i>R. xparvus</i> (Kirk) Heenan)	–	24	Rattenbury 1956: 8; as <i>Nothopanax parvum</i> . Putative hybrid
<i>anomalous</i> × <i>simplex</i> (<i>R. xparvus</i> (Kirk) Heenan)	–	24	Rattenbury 1957: 938; as <i>Nothopanax parvum</i> . Putative hybrid
<i>edgerleyi</i> (Hook.f.) Seem.	–	24	Rattenbury 1956: 8; as <i>Nothopanax edgerleyi</i>
<i>edgerleyi</i> (Hook.f.) Seem.	–	c. 24	Rattenbury 1957: 938; as <i>Nothopanax edgerleyi</i> . Erroneously cited as <i>2n</i> = c. 48 in Bolkhovskikh et al. 1969: 53
<i>simplex</i> (G.Forst.) A.D.Mitch., Frodin et Heads	–	24	Rattenbury 1956: 8; as <i>Nothopanax simplex</i>
<i>simplex</i> (G.Forst.) A.D.Mitch., Frodin et Heads	–	24	Rattenbury 1957: 937; as <i>Nothopanax simplex</i>
Schefflera (1/1)			
<i>digitata</i> J.R.Forst. et G.Forst.	–	24	Rattenbury 1957: 937
<i>digitata</i> J.R.Forst. et G.Forst.	–	24	Beuzenberg & Hair 1983: 13
Stilbocarpa (1/3)			
<i>polaris</i> (Homb. et Jacq.) A.Gray	–	48	Beuzenberg & Hair 1983: 13
ASTERACEAE (COMPOSITAE)			
Abrotanella (8/10)			
<i>caespitosa</i> Petrie ex Kirk	–	18	Beuzenberg & Hair 1984: 353; as <i>A. caespitosa</i> (no voucher) and part of <i>A. inconspicua</i> (CHR 200765). [Includes <i>A.</i> "Rock & Pillar" in Druce 1993]
<i>inconspicua</i> Hook.f.	–	18	Beuzenberg & Hair 1984: 353
<i>linearis</i> Berggr.	–	18	Beuzenberg & Hair 1984: 353; as <i>A. linearis</i> var. <i>linearis</i> , <i>A. linearis</i> var. <i>apiculata</i> , and <i>A. filiformis</i>
<i>patearoa</i> Heads	–	18	Beuzenberg & Hair 1984: 353; as <i>A. inconspicua</i> (Rock & Pillar Ra.). [<i>A.</i> "Rock & Pillar" in Druce 1993]
<i>pusilla</i> (Hook.f.) Hook.f.	–	18	Beuzenberg & Hair 1984: 353
<i>rostrata</i> Swenson	–	18	Beuzenberg & Hair 1984: 353; as <i>A. spathulata</i> (CHR 198631)
<i>rosulata</i> (Hook.f.) Hook.f.	–	18	Beuzenberg & Hair 1984: 353
<i>spathulata</i> (Hook.f.) Hook.f.	–	18	Beuzenberg & Hair 1984: 353
Anaphalioides (5/5)			
<i>alpina</i> (Cockayne) Glenny	–	84, c. 84	Beuzenberg & Hair 1984: 354; as <i>Helichrysum</i> sp. (unnamed; aff. <i>H. bellidioides</i>)
<i>bellidioides</i> (G.Forst.) Glenny	14	28	Hair & Beuzenberg 1968: 22; as <i>Helichrysum bellidioides</i>
<i>hookeri</i> (Allan) Anderb.	–	56	Groves 1977: 18; as <i>Gnaphalium hookeri</i>
<i>hookeri</i> (Allan) Anderb.	–	56	Dawson & Beuzenberg 2000: 2–3
<i>subrigida</i> (Colenso) Anderb.	–	28	Groves 1977: 18; as <i>Gnaphalium subrigidum</i>
<i>trinervis</i> (G.Forst.) Anderb.	14	28	Groves 1977: 18; as <i>Gnaphalium trinerve</i>
<i>trinervis</i> (G.Forst.) Anderb.	–	28	Groves 1977: 18; as <i>Gnaphalium kerienne</i>

Taxon	<i>n</i>	<i>2n</i>	Reference
<i>Brachyglottis</i> (28/30)			
<i>adamsii</i> (Cheeseman) B.Nord.	–	60	Beuzenberg 1975: 348; as <i>Senecio adamsii</i>
<i>bellidioides</i> (Hook.f.) B.Nord.	30	60	Beuzenberg 1975: 346; as <i>Senecio bellidioides</i>
<i>bellidioides</i> var. <i>crassa</i> (G.Simpson et J.S.Thomson) B.Nord.	–	60	Beuzenberg 1975: 346; as <i>Senecio bellidioides</i> (CHR 200700, CHR 219295)
<i>bidwillii</i> (Hook.f.) B.Nord. var. <i>bidwillii</i>	–	60	Beuzenberg 1975: 348; as <i>Senecio bidwillii</i> var. <i>bidwillii</i>
<i>bidwillii</i> var. <i>viridis</i> (Cheeseman) B.Nord.	–	60	Beuzenberg 1975: 348; as <i>Senecio bidwillii</i> var. <i>viridis</i>
<i>bifistulosa</i> (Hook.f.) B.Nord.	–	60	Beuzenberg 1975: 348; as <i>Senecio bifistulosus</i>
<i>cassinioides</i> (Hook.f.) B.Nord.	–	60	Beuzenberg 1975: 348; as <i>Senecio cassinioides</i>
<i>cockaynei</i> (G.Simpson et J.S.Thomson) B.Nord.	–	60	Beuzenberg 1975: 348; as <i>Senecio cockaynei</i>
<i>compacta</i> (Kirk) B.Nord.	–	60	Beuzenberg 1975: 348; as <i>Senecio compactus</i>
<i>elaeagnifolia</i> (Hook.f.) B.Nord.	30	60	Beuzenberg 1975: 348; as <i>Senecio elaeagnifolius</i>
<i>greyi</i> (Hook.f.) B.Nord.	–	60	Beuzenberg 1975: 348; as <i>Senecio greyi</i>
<i>greyi</i> × <i>repanda</i>	–	60	E. J. Beuzenberg in Drury 1973: 763; as <i>Senecio greyi</i> × <i>Brachyglottis repanda</i> . Putative hybrid
<i>greyi</i> × <i>repanda</i>	–	60	Beuzenberg 1975: 349; as <i>Senecio greyi</i> × <i>Brachyglottis repanda</i> . Putative hybrid
<i>haastii</i> (Hook.f.) B.Nord.	–	60	Beuzenberg 1975: 346; as <i>Senecio haastii</i>
<i>hectorii</i> (Buchanan) B.Nord.	–	60	Beuzenberg 1975: 347; as <i>Senecio hectori</i>
<i>hectorii</i> × <i>perdicioides</i>	–	60	E. J. Beuzenberg in Drury 1973: 754; as <i>Senecio hectori</i> × <i>S. perdicioides</i> . Putative hybrid
<i>hectorii</i> × <i>perdicioides</i>	–	60	Beuzenberg 1975: 349; as <i>Senecio hectori</i> × <i>S. perdicioides</i> . Putative hybrid
<i>huntii</i> (F.Muell.) B.Nord.	–	60	Beuzenberg 1975: 348; as <i>Senecio huntii</i>
<i>kirkii</i> var. <i>angustior</i> (Allan) C.J.Webb	30	–	Beuzenberg 1975: 348; as <i>Senecio kirkii</i> var. <i>angustior</i>
<i>kirkii</i> (Kirk) C.J.Webb var. <i>kirkii</i>	–	60	Beuzenberg 1975: 348; as <i>Senecio kirkii</i> var. <i>kirkii</i>
<i>lagopus</i> (Raoul) B.Nord.	–	60	Beuzenberg 1975: 346; as <i>Senecio lagopus</i>
<i>laxifolia</i> (Buchanan) B.Nord.	–	60	Beuzenberg 1975: 348; as <i>Senecio laxifolius</i>
<i>monroi</i> (Hook.f.) B.Nord.	30	60	Beuzenberg 1975: 348; as <i>Senecio monroi</i>
<i>myrianthos</i> (Cheeseman) D.G.Drury	–	60	Beuzenberg 1975: 348; as <i>Senecio myrianthos</i> and <i>B. myrianthos</i>
<i>pentacopa</i> (D.G.Drury) B.Nord.	–	60	Beuzenberg 1975: 348; as <i>Senecio pentacopus</i>
<i>perdicioides</i> (Hook.f.) B.Nord.	30	–	Beuzenberg 1975: 348; as <i>Senecio perdicioides</i>
<i>perdicioides</i> × <i>elaeagnifolia</i>	30	–	E. J. Beuzenberg in Drury 1973: 759; as <i>Senecio perdicioides</i> × <i>S. elaeagnifolius</i> . Putative hybrid
<i>perdicioides</i> × <i>elaeagnifolia</i>	30	–	Beuzenberg 1975: 349; as <i>Senecio perdicioides</i> × <i>S. elaeagnifolius</i> . Putative hybrid
<i>repanda</i> var. <i>fragrans</i> D.G.Drury	30	–	Hair & Beuzenberg 1959: 149; as <i>B. rangiora</i>
<i>repanda</i> J.R.Forst. et G.Forst. var. <i>repanda</i>	30	–	Hair & Beuzenberg 1959: 149; as <i>B. repanda</i>
<i>repanda</i> × <i>elaeagnifolia</i>	–	60	E. J. Beuzenberg in Drury 1973: 744; as <i>B. repanda</i> × <i>Senecio elaeagnifolius</i> . Putative hybrid
<i>repanda</i> × <i>elaeagnifolia</i>	–	60	Beuzenberg 1975: 349; as <i>B. repanda</i> × <i>Senecio elaeagnifolius</i> . Putative hybrid
<i>revoluta</i> (Kirk) B.Nord.	–	60	Beuzenberg 1975: 348; as <i>Senecio revolutus</i>
<i>rotundifolia</i> J.R.Forst. et G.Forst.	–	60	Beuzenberg 1975: 348; as <i>Senecio reinoldii</i> and <i>S. bennettii</i>
<i>saxifragoides</i> (Hook.f.) B.Nord.	30	–	Beuzenberg 1975: 346; as <i>Senecio saxifragoides</i>
<i>sciadopbila</i> (Raoul) B.Nord.	–	60	Beuzenberg 1975: 347; as <i>Senecio sciadopbilus</i>
<i>southlandica</i> var. <i>albidula</i> (Allan) B.Nord.	–	60	Beuzenberg 1975: 346; as <i>Senecio southlandicus</i> var. <i>albidulus</i>
<i>stewartiae</i> (J.B.Armstr.) B.Nord.	–	60	Beuzenberg 1975: 348; as <i>Senecio stewartiae</i>
<i>traversii</i> (F.Muell.) B.Nord.	–	60	Beuzenberg 1975: 346; as <i>Senecio traversii</i>
<i>turneri</i> (Cheeseman) C.J.Webb	–	60	Beuzenberg 1975: 347; as <i>Senecio turneri</i>
<i>Brachyscome</i> (4/6)			
<i>humilis</i> G.Simpson et J.S.Thomson	–	37	Beuzenberg & Hair 1984: 353
<i>humilis</i> G.Simpson et J.S.Thomson	–	36–37	Dawson & Beuzenberg 2000: 2–3
<i>linearis</i> (Petrie) Druce	–	18	Dawson & Beuzenberg 2000: 2–3
<i>radicata</i> Hook.f.	–	90	J. B. Hair in Smith-White et al. 1970: 100; as <i>B. radicata</i> var. <i>thomsonii</i>
<i>radicata</i> Hook.f.	–	90	Beuzenberg & Hair 1984: 353; as <i>B. radicata</i> var. <i>thomsonii</i>
<i>radicata</i> Hook.f.	–	c. 90	Dawson & Beuzenberg 2000: 2–3

Table 1 (*contd*) DICOTYLEDONAE

Taxon	<i>n</i>	<i>2n</i>	Reference
ASTERACEAE (COMPOSITAE) (<i>contd</i>)			
<i>sinclairii</i> Hook.f.	–	18	J. B. Hair in Smith-White et al. 1970: 100; as <i>B. sinclairii</i> var. <i>sinclairii</i>
<i>sinclairii</i> Hook.f.	–	18	Beuzenberg & Hair 1984: 353; as <i>B. sinclairii</i> var. <i>sinclairii</i> and <i>B. sinclairii</i> var. <i>pinnata</i> . Incorrectly cited as <i>2n</i> = 54 in Smith-White et al. 1970: 100
<i>sinclairii</i> Hook.f.	–	18	Dawson & Beuzenberg 2000: 2–3
(indet.)	–	18	Dawson & Beuzenberg 2000: 2–3. [<i>B.</i> "Pareora" in Druce 1993 and Cameron et al. 1995; <i>B.</i> (b) in de Lange et al. 1999a]
(indet.)	–	18	Dawson & Beuzenberg 2000: 2–3. [<i>B.</i> "Ward" in Druce 1993 and Cameron et al. 1995; <i>B.</i> (a) in de Lange et al. 1999a]
<i>Celmisia</i> (59/60)			
<i>adamsii</i> Kirk var. <i>adamsii</i>	54	–	Hair 1980b: 553
<i>adamsii</i> var. <i>rugulosa</i> Cheeseman	54	–	Hair 1980b: 553
<i>allanii</i> W.Martin	54, 54+f	–	Hair 1980b: 553
<i>alpina</i> (Kirk) Cheeseman	108	216	Hair 1980b: 553
<i>angustifolia</i> Cockayne	54	–	Hair 1980b: 554
<i>argentea</i> Kirk	–	108	Hair 1980b: 554
<i>armstrongii</i> Petrie	54	–	Hair 1980b: 554
<i>bellidioides</i> Hook.f.	54	108	Hair 1980b: 554
<i>bonplandii</i> (Buchanan) Allan	54	–	Hair 1980b: 554
<i>brevifolia</i> Cockayne	54+f, 54+2f	–	Hair 1980b: 554
<i>clavata</i> G.Simpson et J.S.Thomson	–	108	Hair 1980b: 554
<i>cockayneana</i> Petrie	–	108	Hair 1980b: 554
<i>cordatifolia</i> Buchanan var. <i>cordatifolia</i>	54	–	Hair 1980b: 554; as <i>C. cordatifolia</i>
<i>coriacea</i> (G.Forst.) Hook.f.	54+3–4f	–	Hair 1980b: 554; as <i>C. coriacea</i> var. <i>coriacea</i>
<i>coriacea</i> (G.Forst.) Hook.f.	–	108	Hair 1980b: 555; as <i>C. lanceolata</i>
<i>dallii</i> Buchanan	54	–	Hair 1980b: 554
<i>densiflora</i> Hook.f.	54	–	Hair 1980b: 554
<i>discolor</i> Hook.f.	54	–	Hair 1980b: 554. May be referable to a <i>C. discolor-incana</i> complex
<i>dubia</i> Cheeseman	54, 54+2f	–	Hair 1980b: 554
<i>du-rietzii</i> Cockayne et Allan ex W.Martin	54, 54+f, 54+3f	–	Hair 1980b: 554
<i>gibbsii</i> Cheeseman	54	108	Hair 1980b: 554
<i>glandulosa</i> Hook.f. var. <i>glandulosa</i>	54	–	Hair 1980b: 554
<i>glandulosa</i> var. <i>latifolia</i> Cockayne	54	–	Hair 1980b: 554
<i>glandulosa</i> var. <i>longiscapa</i> Cockayne	54	–	Hair 1980b: 554
<i>gracilentia</i> Hook.f. complex	54, 54+2–3f, 54+3f, 54+6f	–	Hair 1980b: 554–555
aff. <i>gracilentia</i>	108	–	Hair 1980b: 554–555; as <i>C. gracilentia</i> complex, <i>n</i> = 108. [<i>C.</i> "rhizomatous" in Druce 1993]
aff. <i>gracilentia</i>	c. 108	–	Hair 1980b: 556; as <i>C. setacea</i> . [<i>C.</i> "rhizomatous" in Druce 1993]
<i>gracilentia</i> × <i>Olearia arborescens</i> (× <i>Celmearia ruawahia</i> Heenan)	–	108	Dawson 1989: 164. Intergeneric hybrid; see Heenan 1993: 2–3
<i>graminifolia</i> Hook.f. complex	54, 54+f, 54+3f, 108	–	Hair 1980b: 555
aff. <i>graminifolia</i>	54	–	Hair 1980b: 555; as <i>C. graminifolia</i> complex (including CHR 200940, CHR 200941). [<i>C.</i> "Pupu" in Druce 1993]
aff. <i>graminifolia</i>	54+4f, 54+6f, 54+8f	–	Hair 1980b: 555; as <i>C. graminifolia</i> complex (CHR 200937–200939). [<i>C.</i> "Taranua" in Druce 1993]
<i>haastii</i> Hook.f. var. <i>haastii</i>	54	–	Hair 1980b: 555

Taxon	<i>n</i>	<i>2n</i>	Reference
<i>haastii</i> var. <i>tomentosa</i> G.Simpson et J.S.Thomson	–	108	Hair 1980b: 555
<i>hectorii</i> Hook.f.	54	–	Hair 1980b: 555
<i>hieraciifolia</i> var. <i>gracilis</i> Allan	54	–	Hair 1980b: 555
<i>hieraciifolia</i> Hook.f. var. <i>hieraciifolia</i>	54, 54+3f	–	Hair 1980b: 555
<i>hieraciifolia</i> var. <i>oblonga</i> Kirk	54	–	Hair 1980b: 555
<i>holosericea</i> (G.Forst.) Hook.f.	54	–	Hair 1980b: 555
<i>hookeri</i> Cockayne	54	–	Hair 1980b: 555
<i>inaccessa</i> Given	–	108	Hair 1980b: 555
<i>incana</i> Hook.f.	–	108	Hair 1980b: 555. May be referable to a <i>C. discolor-incana</i> complex
<i>insignis</i> W.Martin	54	–	Hair 1980b: 555
<i>laricifolia</i> Hook.f.	54	–	Hair 1980b: 555
<i>lateralis</i> Buchanan var. <i>lateralis</i>	54	–	Hair 1980b: 555; as <i>C. lateralis</i>
<i>lindsayi</i> Hook.f.	54	–	Hair 1980b: 555
<i>lyallii</i> Hook.f.	54	–	Hair 1980b: 555
<i>mackaui</i> Raoul	54	–	Hair 1980b: 555
<i>macmahonii</i> var. <i>hadfieldii</i> W.Martin	–	108	Hair 1980b: 555
<i>macmahonii</i> Kirk var. <i>macmahonii</i>	–	108	Hair 1980b: 555
<i>major</i> var. <i>brevis</i> Allan	54	–	Hair 1980b: 555
<i>major</i> Cheeseman var. <i>major</i>	54	–	Hair 1980b: 555
<i>markii</i> W.G.Lee et Given	–	108	Hair 1980b: 555
<i>monroi</i> Hook.f.	54	–	Hair 1980b: 555
<i>morganii</i> Cheeseman	54, 54+2f	–	Hair 1980b: 555
<i>parva</i> Kirk	54+3f	–	Hair 1980b: 555
aff. <i>parva</i>	c. 108	–	Hair 1980b: 555; as <i>C. parva</i> (Okari R., Westland). [<i>C. "parva</i> Okari" in Druce 1993]
<i>petriei</i> Cheeseman	–	108	Hair 1980b: 555
<i>philocremna</i> Given	54	–	Hair 1980b: 555
<i>prorepens</i> Petrie	54	–	Hair 1980b: 555
<i>ramulosa</i> var. <i>tuberculata</i> G.Simpson et J.S.Thomson	54	108	Hair 1980b: 555
<i>rupestris</i> Cheeseman	54	108	Hair 1980b: 555
<i>rutlandii</i> Kirk	54	108	Hair 1980b: 555
<i>semicordata</i> Petrie subsp. <i>semicordata</i>	54	–	Hair 1980b: 555–556
<i>semicordata</i> subsp. <i>stricta</i> (Cockayne) Given	54+3–4f	–	Hair 1980b: 556
<i>semicordata</i> subsp. <i>stricta</i> (Cockayne) Given	–	108	Hair 1980b: 554; as <i>C. coriacea</i> var. <i>stricta</i>
<i>sessiliflora</i> Hook.f.	54	–	Hair 1980b: 556
<i>similis</i> Given	–	108	Hair 1980b: 556
<i>sinclairii</i> Hook.f.	54	–	Hair 1980b: 556
<i>spectabilis</i> subsp. <i>lanceolata</i> (Hook.f.) Given	54	–	Hair 1980b: 556; as <i>C. spectabilis</i> var. <i>lanceolata</i>
<i>spectabilis</i> subsp. <i>magnifica</i> (Allan) Given	54+6f	–	Hair 1980b: 556; as <i>C. spectabilis</i> var. <i>magnifica</i>
<i>spectabilis</i> Hook.f. subsp. <i>spectabilis</i>	54+3f	–	Hair 1980b: 556; as <i>C. spectabilis</i> var. <i>albomarginata</i>
<i>spectabilis</i> Hook.f. subsp. <i>spectabilis</i>	54+4f	–	Hair 1980b: 556; as <i>C. spectabilis</i> var. <i>angustifolia</i>
<i>spectabilis</i> Hook.f. subsp. <i>spectabilis</i>	54, 54+1–5f	–	Hair 1980b: 556; as <i>C. spectabilis</i> var. <i>spectabilis</i>
<i>spedenii</i> G.Simpson	–	108	Dawson 1989: 164
<i>thomsonii</i> Cheeseman	54	–	Hair 1980b: 556
<i>traversii</i> Hook.f.	54	–	Hair 1980b: 556
<i>verbascifolia</i> subsp. <i>rigida</i> (Kirk) Given	54+3f	–	Hair 1980b: 555; as <i>C. rigida</i>
<i>verbascifolia</i> Hook.f. subsp. <i>verbascifolia</i>	54	–	Hair 1980b: 556; as <i>C. verbascifolia</i>
<i>vespertina</i> Given	54	–	Hair 1980b: 556
<i>viscosa</i> Hook.f.	54	–	Hair 1980b: 556
<i>walkeri</i> Kirk	54, 54+3f	–	Hair 1980b: 556
<i>Centipeda</i> (1/1)			
<i>minima</i> (L.) A.Braun et Asch.	–	20	Hair 1963b: 244; as <i>C. orbicularis</i>
<i>Cotula</i> (2/2)			
<i>australis</i> (Spreng.) Hook.f.	–	36	Hair 1962: 41

Table 1 (contd) DICOTYLEDONAE

Taxon	<i>n</i>	<i>2n</i>	Reference
ASTERACEAE (COMPOSITAE) (contd)			
<i>australis</i> (Spreng.) Hook.f.	–	36	Beuzenberg & Hair 1984: 354
<i>coronopifolia</i> L.	–	20	Hair 1962: 41
<i>coronopifolia</i> L.	–	20	Beuzenberg & Hair 1984: 354
<i>Craspedia</i> (4/5)			
<i>lanata</i> var. <i>elongata</i> Allan	–	22	Dawson 1995a: 478, 481; as <i>C. sp.</i> (undescribed). [<i>C. "elongata"</i> in Druce 1993]
<i>lanata</i> var. <i>elongata</i> Allan	–	22	Dawson & Beuzenberg 2000: 3, 9. [<i>C. "elongata"</i> in Druce 1993]
<i>lanata</i> (Hook.f.) Allan var. <i>lanata</i>	–	22	Dawson 1995a: 478, 481
<i>minor</i> (Hook.f.) Allan var. <i>minor</i>	–	22	Dawson 1995a: 478, 481
<i>minor</i> var. <i>viscosa</i> (Colenso) Allan	–	22	Dawson 1995a: 478, 481; as <i>C. viscosa</i>
<i>robusta</i> var. <i>pedicellata</i> (Kirk) Allan	–	22	Dawson 1995a: 478, 481; as <i>C. uniflora</i> var. <i>pedicellata</i>
<i>uniflora</i> G.Forst.	–	22	Beuzenberg & Hair 1984: 354
<i>uniflora</i> var. <i>grandis</i> Allan	–	22	Dawson 1995a: 478, 481
<i>uniflora</i> var. (indet.)	–	22	Dawson & Beuzenberg 2000: 3, 9. [<i>C. uniflora</i> "var. Punakaiki" in Druce 1993]
(indet.)	–	22	Dawson 1995a: 478, 481; as <i>C. sp.</i> (undescribed). [<i>C. "Gouland Downs"</i> in Druce 1993 and Cameron et al. 1995; <i>C. (h)</i> in de Lange et al. 1999a]
(indet.)	–	22	Dawson 1995a: 478, 481; as <i>C. sp.</i> (undescribed). [<i>C. "Hackett"</i> in Druce 1993 and Cameron et al. 1995; <i>C. (f)</i> in de Lange et al. 1999a]
(indet.)	–	22	Dawson 1995a: 478, 481; as <i>C. sp.</i> (undescribed). [<i>C. "Havelock"</i> in Druce 1993]
(indet.)	–	22	Dawson 1995a: 478, 481; as <i>C. sp.</i> (undescribed). [<i>C. "Kaitorete"</i> in Druce 1993 and Cameron et al. 1995; <i>C. (c)</i> in de Lange et al. 1999a]
(indet.)	–	22	Dawson 1995a: 478, 481; as <i>C. sp.</i> (undescribed). [<i>C. "L.Henderson"</i> in Druce 1993; <i>C. "Henderson"</i> in Cameron et al. 1995]
(indet.)	–	22	Dawson 1995a: 478, 481; as <i>C. sp.</i> (undescribed). [<i>C. "Loveridge"</i> in Druce 1993 and Cameron et al. 1995]
(indet.)	–	22	Dawson 1995a: 478, 481; as <i>C. sp.</i> (undescribed). [<i>C. "Pikikiruna"</i> in Druce 1993 and Cameron et al. 1995; <i>C. (g)</i> in de Lange et al. 1999a]
(indet.)	–	22	Dawson 1995a: 478, 481; as <i>C. sp.</i> (undescribed). [<i>C. "small bog"</i> in Druce 1993]
(indet.)	–	22	Dawson 1995a: 478, 481; as <i>C. sp.</i> (undescribed). [<i>C. "tarn"</i> in Druce 1993 and Cameron et al. 1995; <i>C. (e)</i> in de Lange et al. 1999a]
(indet.)	–	22, c. 22	Dawson & Beuzenberg 2000: 3, 9
<i>Damnania</i> (1/1)			
<i>vernica</i> (Hook.f.) Given	54	108	Hair 1980b: 556
<i>Dolichoglottis</i> (2/2)			
<i>lyallii</i> (Hook.f.) B.Nord.	–	60	Beuzenberg 1975: 346; as <i>Senecio lyallii</i>
<i>scorzoneroides</i> (Hook.f.) B.Nord.	–	60	Beuzenberg 1975: 346; as <i>Senecio scorzoneroides</i>
<i>Embergeria</i> (1/1)			
<i>grandifolia</i> (Kirk) Boulos in Eichler	–	36	Stebbins et al. 1953: 411, 426; as <i>Sonchus grandifolius</i>
<i>Euchiton</i> (13/14)			
<i>audax</i> (D.G.Drury) Holub	–	28	Groves 1977: 17; as <i>Gnaphalium audax</i> subsp. <i>audax</i>
<i>delicatus</i> (D.G.Drury) Holub	–	28	Groves 1977: 17; as <i>Gnaphalium delicatum</i>
<i>ensifer</i> (D.G.Drury) Holub	–	28	Groves 1977: 17; as <i>Gnaphalium ensifer</i>

Taxon	<i>n</i>	<i>2n</i>	Reference
<i>gymnocephalus</i> (DC.) Holub	–	28	Groves 1977: 17; as <i>Gnaphalium gymnocephalum</i>
<i>involutcratus</i> (G.Forst.) Holub	–	28	Groves 1977: 17; as <i>Gnaphalium involutcratum</i>
<i>limosus</i> (D.G.Drury) Holub	–	28	Groves 1977: 17; as <i>Gnaphalium limosum</i>
<i>mackayi</i> (Buchanan) Anderb.	–	28	Groves 1977: 17; as <i>Gnaphalium mackayi</i>
<i>nitidulus</i> (Hook.f.) Anderb.	–	28	Groves 1977: 17; as <i>Gnaphalium nitidulum</i>
<i>paludosus</i> (Petrie) Holub	–	28	Groves 1977: 17; as <i>Gnaphalium paludosum</i>
<i>polylepis</i> (D.G.Drury) Breitw. et J.M.Ward	–	28	Groves 1977: 17; as <i>Gnaphalium paludosum</i> var. <i>polylepis</i>
<i>ruahinicus</i> (D.G.Drury) Breitw. et J.M.Ward	–	28	Groves 1977: 17; as <i>Gnaphalium audax</i> subsp. <i>ruahinicum</i>
<i>sphaericus</i> (Willd.) Holub	–	28	Groves 1977: 17; as <i>Gnaphalium sphaericum</i>
<i>traversii</i> (Hook.f.) Holub	–	28	Groves 1977: 17–18; as <i>Gnaphalium traversii</i>
<i>Ewartia</i> (1/1)			
<i>sinclairii</i> (Hook.f.) Cheeseman	14	28	Beuzenberg & Hair 1984: 354
<i>Haastia</i> (3/3)			
<i>pulvinaris</i> Hook.f.	–	60	Beuzenberg & Hair 1984: 354
<i>recurva</i> Hook.f.	–	60	Beuzenberg & Hair 1984: 354
<i>sinclairii</i> Hook.f. var. <i>sinclairii</i>	–	c. 60	Dawson & Beuzenberg 2000: 3, 9
<i>Helichrysum</i> (8/8)			
<i>coralloides</i> (Hook.f.) Benth. et Hook.f.	–	28	Hair & Beuzenberg 1968: 22
<i>depressum</i> (Hook.f.) Benth. et Hook.f.	–	28	Hair & Beuzenberg 1968: 22
<i>dimorphum</i> Cockayne	–	28	Hair & Beuzenberg 1968: 22
<i>dimorphum</i> Cockayne	–	28	Dawson & Beuzenberg 2000: 4, 9
<i>filicaule</i> Hook.f.	–	28	Hair & Beuzenberg 1968: 22
<i>intermedium</i> var. <i>acutum</i> Cheeseman	–	28	Hair & Beuzenberg 1968: 23; as <i>H. selago</i> var. <i>acutum</i>
<i>intermedium</i> G.Simpson var. <i>intermedium</i>	14	28	Hair & Beuzenberg 1968: 23; as <i>H. selago</i> var. <i>selago</i>
<i>intermedium</i> var. <i>tumidum</i> Cheeseman	14	–	Hair & Beuzenberg 1968: 23; as <i>H. selago</i> var. <i>tumidum</i>
<i>lanceolatum</i> (Buchanan) Kirk	14	28	Hair & Beuzenberg 1968: 23; as <i>H. glomeratum</i>
<i>parvifolium</i> Yeo	–	28	Hair & Beuzenberg 1968: 23; as <i>H. microphyllum</i>
<i>plumeum</i> Allan	–	28	Hair & Beuzenberg 1968: 23
<i>Kirkianella</i> (1/1)			
<i>novae-zelandiae</i> (Hook.f.) Allan agg.	–	126	Beuzenberg & Hair 1984: 354; as part of <i>K. novae-zelandiae</i>
<i>novae-zelandiae</i> (Hook.f.) Allan agg.	–	c. 108, 126	previously unpublished count, M. I. Dawson ($2n = c. 108$, CHR 517717–517720, CHR 517728; $2n = 126$, CHR 517729)
<i>novae-zelandiae</i> forma <i>glauca</i> (Hook.f.) Allan	–	90	Beuzenberg & Hair 1984: 354; as part of <i>K. novae-zelandiae</i> . Probably a distinct species. [K. "Cook Strait" in Druce 1993 and Cameron et al. 1995]
<i>novae-zelandiae</i> forma <i>glauca</i> (Hook.f.) Allan	–	c. 90	Previously unpublished count, M. I. Dawson (CHR 517727). Probably a distinct species. [K. "Cook Strait" in Druce 1993 and Cameron et al. 1995]
<i>Lagenifera</i> (1/9)			
<i>pumila</i> (G.Forst.) Cheeseman	–	18	Beuzenberg & Hair 1984: 354
<i>Leptinella</i> (24/24)			
<i>albida</i> (D.G.Lloyd) D.G.Lloyd et C.J.Webb	26	–	Lloyd 1972: 353; as <i>Cotula albida</i>
<i>atrata</i> (Hook.f.) D.G.Lloyd et C.J.Webb	–	–	–
subsp. <i>atrata</i>	26	–	Lloyd 1972: 349; as <i>Cotula atrata</i> subsp. <i>atrata</i>
<i>atrata</i> subsp. <i>luteola</i> (D.G.Lloyd) D.G.Lloyd et C.J.Webb	26	–	Lloyd 1972: 350; as <i>Cotula atrata</i> subsp. <i>luteola</i>
<i>calcareae</i> (D.G.Lloyd) D.G.Lloyd et C.J.Webb	52	–	Lloyd 1972: 336; as <i>Cotula calcareae</i>
<i>dendyi</i> (Cockayne) D.G.Lloyd et C.J.Webb	–	52	Beuzenberg & Hair 1984: 354; as <i>Cotula dendyi</i>
<i>dioica</i> Hook.f.	–	260	Beuzenberg & Hair 1984: 354; as <i>Cotula dioica</i>
<i>dioica</i> Hook.f. subsp. <i>dioica</i>	c. 130	–	Lloyd 1972: 319; as <i>Cotula dioica</i> subsp. <i>dioica</i>
<i>dispersa</i> (D.G.Lloyd) D.G.Lloyd et C.J.Webb	–	52	Beuzenberg & Hair 1984: 354; as <i>Cotula dispersa</i>
<i>dispersa</i> (D.G.Lloyd) D.G.Lloyd et C.J.Webb	–	–	–
subsp. <i>dispersa</i>	26	52	Lloyd 1972: 313; as <i>Cotula dispersa</i> subsp. <i>dispersa</i>
<i>featherstonii</i> F.Muell.	–	54, c. 54	Dawson 1995a: 478, 481

Table 1 (contd) DICOTYLEDONAE

Taxon	n	2n	Reference
ASTERACEAE (COMPOSITAE) (contd)			
<i>filiformis</i> (Hook.f.) D.G.Lloyd et C.J.Webb	26	52	Lloyd 1972: 344; as <i>Cotula filiformis</i>
<i>filiformis</i> (Hook.f.) D.G.Lloyd et C.J.Webb	–	52	Beuzenberg & Hair 1984: 354; as <i>Cotula filiformis</i>
<i>goyenii</i> (Petrie) D.G.Lloyd et C.J.Webb	–	52	Lloyd 1972: 352; as <i>Cotula goyenii</i>
<i>goyenii</i> (Petrie) D.G.Lloyd et C.J.Webb	–	52	Beuzenberg & Hair 1984: 354; as <i>Cotula goyenii</i>
<i>intermedia</i> (D.G.Lloyd) D.G.Lloyd et C.J.Webb	c. 78	–	Lloyd 1972: 338; as <i>Cotula intermedia</i>
<i>lanata</i> Hook.f.	–	52	Lloyd 1972: 363; as <i>Cotula lanata</i>
<i>lanata</i> Hook.f.	–	52	Beuzenberg & Hair 1984: 354; as <i>Cotula lanata</i>
<i>maniototo</i> (Petrie) D.G.Lloyd et C.J.Webb	26	52	Lloyd 1972: 340; as <i>Cotula maniototo</i>
<i>maniototo</i> (Petrie) D.G.Lloyd et C.J.Webb	–	52	Beuzenberg & Hair 1984: 354; as <i>Cotula maniototo</i>
<i>minor</i> Hook.f.	–	52	Hair 1962: 41; as <i>Cotula haastii</i>
<i>minor</i> Hook.f.	26	–	Lloyd 1972: 344; as <i>Cotula minor</i>
<i>minor</i> Hook.f.	–	52	Beuzenberg & Hair 1984: 354; as <i>Cotula minor</i>
<i>nana</i> (D.G.Lloyd) D.G.Lloyd et C.J.Webb	c. 26	–	Lloyd 1972: 342; as <i>Cotula nana</i>
<i>pectinata</i> (Hook.f.) D.G.Lloyd et C.J.Webb subsp. <i>pectinata</i>	52	104	Lloyd 1972: 356; as <i>Cotula pectinata</i> subsp. <i>pectinata</i>
<i>pectinata</i> (Hook.f.) D.G.Lloyd et C.J.Webb subsp. <i>pectinata</i>	–	104	Beuzenberg & Hair 1984: 354; as <i>Cotula pectinata</i> subsp. <i>pectinata</i>
<i>pectinata</i> subsp. <i>villosa</i> (G.Simpson) D.G.Lloyd et C.J.Webb	26, 52	–	Lloyd 1972: 356; as <i>Cotula pectinata</i> subsp. <i>villosa</i>
<i>pectinata</i> subsp. <i>villosa</i> (G.Simpson) D.G.Lloyd et C.J.Webb	–	52	Beuzenberg & Hair 1984: 354; as <i>Cotula pectinata</i> subsp. <i>villosa</i>
<i>pectinata</i> subsp. <i>willcoxii</i> (Cheeseman) D.G.Lloyd et C.J.Webb	c. 52	104	Lloyd 1972: 358; as <i>Cotula pectinata</i> subsp. <i>willcoxii</i>
<i>pectinata</i> subsp. <i>willcoxii</i> (Cheeseman) D.G.Lloyd et C.J.Webb	–	104	Beuzenberg & Hair 1984: 354; as <i>Cotula pectinata</i> subsp. <i>willcoxii</i>
<i>plumosa</i> Hook.f.	–	52	Hair 1962: 41; as <i>Cotula plumosa</i>
<i>plumosa</i> Hook.f.	–	52	Lloyd 1972: 366; as <i>Cotula plumosa</i>
<i>plumosa</i> Hook.f.	–	52	Beuzenberg & Hair 1984: 354; as <i>Cotula plumosa</i>
<i>plumosa</i> ?	–	40	Moore 1960: 187; as <i>Cotula plumosa</i> . Count or identity uncertain
<i>potentillina</i> F.Muell.	–	52	Hair 1962: 41; as <i>Cotula potentillina</i>
<i>potentillina</i> F.Muell.	26	52	Lloyd 1972: 309; as <i>Cotula potentillina</i>
<i>potentillina</i> F.Muell.	–	52	Beuzenberg & Hair 1984: 354; as <i>Cotula potentillia</i> [sic.]
<i>pusilla</i> Hook.f.	c. 52	104	Lloyd 1972: 331; as <i>Cotula perpusilla</i>
<i>pusilla</i> Hook.f.	–	104	Beuzenberg & Hair 1984: 354; as <i>Cotula perpusilla</i>
<i>pyrethrifolia</i> (Hook.f.) D.G.Lloyd et C.J.Webb agg.	–	c. 156, 208	Beuzenberg & Hair 1984: 354; as <i>Cotula pyrethrifolia</i>
<i>pyrethrifolia</i> var. <i>linearifolia</i> (Cheeseman) D.G.Lloyd et C.J.Webb	c. 78	–	Lloyd 1972: 362; as <i>Cotula pyrethrifolia</i> var. <i>linearifolia</i>
<i>pyrethrifolia</i> (Hook.f.) D.G.Lloyd et C.J.Webb var. <i>pyrethrifolia</i>	c. 78	–	Lloyd 1972: 361; as <i>Cotula pyrethrifolia</i> var. <i>pyrethrifolia</i>
<i>rotundata</i> (Cheeseman) D.G.Lloyd et C.J.Webb	c. 156	–	Lloyd 1972: 316; as <i>Cotula rotundata</i>
<i>serrulata</i> (D.G.Lloyd) D.G.Lloyd et C.J.Webb	26	52	Lloyd 1972: 333; as <i>Cotula serrulata</i>
<i>serrulata</i> (D.G.Lloyd) D.G.Lloyd et C.J.Webb	–	52	Beuzenberg & Hair 1984: 354; as <i>Cotula serrulata</i>
<i>squalida</i> subsp. <i>mediana</i> (D.G.Lloyd) D.G.Lloyd et C.J.Webb	c. 78, 104, 130	156	Lloyd 1972: 327; as <i>Cotula squalida</i> subsp. <i>mediana</i>
<i>squalida</i> subsp. <i>mediana</i> (D.G.Lloyd) D.G.Lloyd et C.J.Webb	–	156	Beuzenberg & Hair 1984: 354; as <i>Cotula squalida</i> subsp. <i>mediana</i>
<i>squalida</i> Hook.f. subsp. <i>squalida</i>	130	–	Lloyd 1972: 327; as <i>Cotula squalida</i> subsp. <i>squalida</i>
<i>tenella</i> (A.Cunn.) D.G.Lloyd et C.J.Webb	26	–	Lloyd 1972: 310; as <i>Cotula membranacea</i>
<i>traillii</i> (Kirk) D.G.Lloyd et C.J.Webb subsp. <i>traillii</i>	c. 156	–	Lloyd 1972: 323; as <i>Cotula traillii</i> subsp. <i>traillii</i>

Taxon	<i>n</i>	<i>2n</i>	Reference
<i>Leucogenes</i> (4/4)			
<i>grandiceps</i> (Hook.f.) Beauverd	–	28	Hair & Beuzenberg 1968: 23
<i>leontopodium</i> (Hook.f.) Beauverd	–	28	Hair & Beuzenberg 1968: 23
<i>neglecta</i> Molloy	–	56	Beuzenberg & Hair 1984: 354; as <i>L.</i> sp. (unnamed; aff. <i>L. leontopodium</i>). [<i>L.</i> "Awatere" in Druce 1993]
<i>tarahaoa</i> Molloy	–	112	Beuzenberg & Hair 1984: 354; as <i>L.</i> sp. (unnamed; aff. <i>L. leontopodium</i>). [<i>L.</i> "Peel" in Druce 1993 and Cameron et al. 1995]
<i>Microseris</i> (1/1)			
<i>scapigera</i> (Sol. ex. A.Cunn.) Sch.Bip.	–	36	Chambers 1955: 248
<i>scapigera</i> (Sol. ex. A.Cunn.) Sch.Bip.	–	36	Sneddon 1977: 16, 21
<i>scapigera</i> (Sol. ex. A.Cunn.) Sch.Bip.	–	36	Beuzenberg & Hair 1984: 354
<i>Olearia</i> (21/c. 36)			
<i>albida</i> Hook.f. var. <i>albida</i>	–	324	Beuzenberg & Hair 1984: 356
<i>albida</i> var. <i>angulata</i> (Kirk) Allan	–	c. 432, >400	Beuzenberg & Hair 1984: 356
<i>arborescens</i> (G.Forst.) Cockayne et Laing	–	108	Beuzenberg & Hair 1984: 356
<i>avicenniifolia</i> (Raoul) Hook.f.	–	108	Beuzenberg & Hair 1984: 356
<i>bullata</i> H.D.Wilson et Garn.-Jones	–	108	Beuzenberg & Hair 1984: 356; as <i>O. virgata</i> var. <i>rugosa</i>
<i>colensoi</i> Hook.f.	–	108	Beuzenberg & Hair 1984: 356
<i>coriacea</i> Kirk	–	108	Beuzenberg & Hair 1984: 356
<i>fimbriata</i> Heads	–	108	Dawson 1989: 164; as <i>O.</i> "poma". [Informal name in Druce 1993; as <i>O.</i> "Pomahaka" in Cameron et al. 1995]
<i>fragrantissima</i> Petrie	–	108	Beuzenberg & Hair 1984: 356
<i>furfuracea</i> (A.Rich.) Hook.f.	–	108	Beuzenberg & Hair 1984: 356
<i>gardneri</i> Heads	–	108	Murray & de Lange 1999: 512, 514
<i>hectorii</i> Hook.f.	–	108	Murray & de Lange 1999: 512, 514
<i>ilicifolia</i> Hook.f.	–	108	Beuzenberg & Hair 1984: 356
<i>lineata</i> (Kirk) Cockayne	–	108	Dawson 1995a: 478, 481
<i>lineata</i> 'Dartonii'	–	108	Dawson 1995a: 478, 481. Ornamental cultivar
<i>moschata</i> Hook.f.	–	108	Beuzenberg & Hair 1984: 356
<i>nummulariifolia</i> var. <i>cymbifolia</i> Hook.f.	–	108	Beuzenberg & Hair 1984: 356
<i>nummulariifolia</i> Hook.f. var. <i>nummulariifolia</i>	–	216, c. 216	Beuzenberg & Hair 1984: 356
<i>oporina</i> (G.Forst.) Hook.f.	–	108	Beuzenberg & Hair 1984: 356; as <i>O. angustifolia</i>
<i>pachyphylla</i> Cheeseman	–	108	Beuzenberg & Hair 1984: 356
<i>paniculata</i> (J.R.Forst. et G.Forst.) Druce	–	c. 288	Beuzenberg & Hair 1984: 356
<i>polita</i> H.D.Wilson et Garn.-Jones	–	108	Beuzenberg & Hair 1984: 356; as <i>O.</i> sp. (undescribed)
<i>traversii</i> (F.Muell.) Hook.f.	–	108	Beuzenberg & Hair 1984: 356
<i>virgata</i> subsp. <i>implicita</i> (G.Simpson) Heads	–	108	Beuzenberg & Hair 1984: 356; as <i>O. virgata</i> var. <i>implicita</i>
(indet.)	–	108	Murray & de Lange 1999: 512, 514; as <i>O.</i> sp. nov. [<i>O.</i> "Waima" in Druce 1993 and Cameron et al. 1995; <i>O.</i> (a) in de Lange et al. 1999a]
<i>Ozothamnus</i> (1/1)			
<i>leptophyllus</i> (G.Forst.) Breiwt. et J.M.Ward	–	26–28	Dawson & Beuzenberg 2000: 4, 9. [Includes <i>Cassinia</i> "George" in Druce 1993, and other taxa previously included in <i>Cassinia</i>]
<i>Pachystegia</i> (3/3)			
<i>insignis</i> (Hook.f.) Cheeseman	54	–	Hair et al. 1967: 186
<i>insignis</i> (Hook.f.) Cheeseman	–	108	E. J. Beuzenberg in Molloy & Simpson 1980: 2
<i>insignis</i> (Hook.f.) Cheeseman	–	108	E. J. Beuzenberg in Connor & Edgar 1987: 145
<i>minor</i> (Cheeseman) Molloy	54	–	Hair et al. 1967: 186; as <i>P. insignis</i> var. <i>minor</i> . [<i>P.</i> "C" in Druce 1980 and Eagle 1982]
<i>minor</i> (Cheeseman) Molloy	–	108	E. J. Beuzenberg in Molloy & Simpson 1980: 2; as <i>P.</i> "C". [Informal name in Druce 1980 and Eagle 1982]
<i>minor</i> (Cheeseman) Molloy	–	108	E. J. Beuzenberg in Connor & Edgar 1987: 144. [<i>P.</i> "C" in Druce 1980 and Eagle 1982]
<i>minor</i> (Cheeseman) Molloy	–	c. 108	Dawson & Beuzenberg 2000: 4, 9. [<i>P.</i> "C" in Druce 1980 and Eagle 1982]
<i>rufa</i> Molloy	–	108	E. J. Beuzenberg in Molloy & Simpson 1980: 2; as <i>P.</i> "D". [Informal name in Druce 1980 and Eagle 1982]

Table 1 (*contd*) **DICOTYLEDONAE**

Taxon	<i>n</i>	<i>2n</i>	Reference
ASTERACEAE (COMPOSITAE) (<i>contd</i>)			
<i>rufa</i> Molloy	–	108	E. J. Beuzenberg in Connor & Edgar 1987: 145. [<i>P.</i> "D" in Druce 1980 and Eagle 1982]
<i>rufa</i> Molloy	–	c. 108	Dawson & Beuzenberg 2000: 4, 9. [<i>P.</i> "D" in Druce 1980 and Eagle 1982]
(<i>indet.</i>)	–	108	E. J. Beuzenberg in Molloy & Simpson 1980: 2; as <i>P.</i> "A". [Informal name in Eagle 1982 and Druce 1980, 1993]
(<i>indet.</i>)	–	c. 108	Dawson & Beuzenberg 2000: 4, 9. [<i>P.</i> "A" in Eagle 1982 and Druce 1980, 1993]
(<i>indet.</i>)	–	108	E. J. Beuzenberg in Molloy & Simpson 1980: 2; as <i>P.</i> "B". [Informal name in Eagle 1982 and Druce 1980, 1993]
(<i>indet.</i>)	–	c. 108	Dawson & Beuzenberg 2000: 4, 9. [<i>P.</i> "B" in Eagle 1982 and Druce 1980, 1993]
<i>Picris</i> (2/2)			
<i>angustifolia</i> subsp. <i>merxmuelleri</i> Lack et S.Holzzapfel	5 _{II}	–	Murray & de Lange 1999: 512, 514
<i>burbidgei</i> S.Holzzapfel	–	10	Murray & de Lange 1999: 512, 514
<i>Pseudognaphalium</i> (1/1)			
<i>luteoalbum</i> (L.) Hilliard et B.L.Burt	–	14	Groves 1977: 18; as <i>Gnaphalium luteoalbum</i>
<i>luteoalbum</i> (L.) Hilliard et B.L.Burt	–	14	Dawson & Beuzenberg 2000: 4, 9
<i>Rachelia</i> (1/1)			
<i>glaria</i> J.M.Ward et Breitw.	–	28	Ward et al. 1997: 147. ["Z-ombi" in Druce 1993 and Cameron et al. 1995]
<i>Raoulia</i> (22/23)			
<i>albosericea</i> Colenso	–	56	B. E. Groves & J. B. Hair in Ward 1981: 74; as <i>R. hookeri</i> var. <i>albo-sericea</i>
<i>albosericea</i> Colenso	–	56	Dawson et al. 1993: 98
<i>apicinigra</i> Kirk	–	28	B. E. Groves & J. B. Hair in Ward 1981: 74; as <i>R. hookeri</i> var. <i>apice-nigra</i>
<i>apicinigra</i> Kirk	–	28	B. E. Groves & J. B. Hair in Ward 1982: 14; as <i>R. apice-nigra</i>
<i>apicinigra</i> Kirk	–	28	Dawson et al. 1993: 98
cf. <i>apicinigra</i>	–	28	Dawson et al. 1993: 98
<i>australis</i> Hook.f. in Raoul agg.	–	28, 56	B. E. Groves & J. B. Hair in Ward 1981: 74. [<i>R.</i> "australis diploid" and <i>R.</i> "australis tetraploid" in Druce 1993]
<i>australis</i> Hook.f. in Raoul agg.	–	28	Dawson et al. 1993: 98; as <i>R. australis</i> "diploid". [Informal name in Druce 1993]
<i>australis</i> Hook.f. in Raoul agg.	–	56	Dawson et al. 1993: 98–99; as <i>R. australis</i> "tetraploid". [Informal name in Druce 1993]
aff. <i>australis</i>	–	112	B. E. Groves & J. B. Hair in Ward 1981: 74; as "Volcanic Plateau material" of <i>R. australis</i> . [<i>R.</i> "australis North octoploid" in Druce 1993]
aff. <i>australis</i>	–	112	Dawson et al. 1993: 99; as <i>R. australis</i> "octoploid". [<i>R.</i> "australis North octoploid" in Druce 1993]
<i>beauverdii</i> Cockayne	–	56	B. E. Groves & J. B. Hair in Ward 1981: 74; as "low altitude populations" of <i>R. hookeri</i> var. <i>apice-nigra</i>
<i>beauverdii</i> Cockayne	–	56	B. E. Groves & J. B. Hair in Ward 1982: 14
<i>beauverdii</i> Cockayne	–	56	Dawson et al. 1993: 99
<i>bryoides</i> Hook.f.	–	28	B. E. Groves & J. B. Hair in Ward 1981: 73
<i>bryoides</i> Hook.f.	–	28	Dawson et al. 1993: 100
<i>buchananii</i> Kirk	–	28	B. E. Groves & J. B. Hair in Ward 1981: 73
<i>buchananii</i> Kirk	–	28	Dawson et al. 1993: 100
<i>cinerea</i> Petrie	–	28	Dawson et al. 1993: 99
<i>eximia</i> Hook.f.	–	28	B. E. Groves & J. B. Hair in Ward 1981: 73
<i>eximia</i> Hook.f.	–	28	Dawson et al. 1993: 100
<i>glabra</i> Hook.f.	–	28	B. E. Groves & J. B. Hair in Ward 1981: 73

Taxon	<i>n</i>	<i>2n</i>	Reference
<i>glabra</i> Hook.f.	–	28	Dawson et al. 1993: 99
<i>goyenii</i> Kirk	–	28	B. E. Groves & J. B. Hair in Ward 1981: 73
<i>goyenii</i> Kirk	–	28	Dawson et al. 1993: 100
<i>grandiflora</i> Hook.f.	–	28	B. E. Groves & J. B. Hair in Ward 1981: 73
<i>grandiflora</i> Hook.f.	–	28	Dawson et al. 1993: 100
<i>haastii</i> Hook.f.	–	28	B. E. Groves & J. B. Hair in Ward 1981: 73
<i>haastii</i> Hook.f.	–	28	Dawson et al. 1993: 99
<i>hectorii</i> Hook.f. var. <i>hectorii</i>	–	28	Dawson et al. 1993: 101
<i>hectorii</i> var. <i>mollis</i> Buchanan	–	28	Dawson et al. 1993: 101
<i>hookeri</i> Allan var. <i>hookeri</i>	–	56	B. E. Groves & J. B. Hair in Ward 1981: 74; as “inland populations” of <i>R. hookeri</i> var. <i>hookeri</i>
<i>hookeri</i> Allan var. <i>hookeri</i>	–	56	B. E. Groves & J. B. Hair in Ward 1982: 15; as “inland form” of <i>R. hookeri</i> agg.
<i>hookeri</i> Allan var. <i>hookeri</i>	–	56	Dawson et al. 1993: 99; as <i>R. hookeri</i> complex “tetraploid”
<i>hookeri</i> var. <i>laxa</i> Allan	–	56	B. E. Groves & J. B. Hair in Ward 1981: 74
<i>hookeri</i> var. <i>laxa</i> Allan	–	56	B. E. Groves & J. B. Hair in Ward 1982: 15
<i>hookeri</i> var. <i>laxa</i> Allan	–	56	Dawson et al. 1993: 99; as <i>R. hookeri</i> complex “tetraploid”
aff. <i>hookeri</i>	–	84	B. E. Groves & J. B. Hair in Ward 1981: 74; as “coastal populations” of <i>R. hookeri</i> var. <i>hookeri</i> . [R. “coast” in Druce 1993]
aff. <i>hookeri</i>	–	84	B. E. Groves & J. B. Hair in Ward 1982: 15; as a “coastal form” of <i>R. hookeri</i> . [R. “coast” in Druce 1993]
aff. <i>hookeri</i>	–	84	Dawson et al. 1993: 99–100; as <i>R. hookeri</i> complex “hexaploid”. [R. “coast” in Druce 1993]
<i>mammillaris</i> Hook.f.	–	28	B. E. Groves & J. B. Hair in Ward 1981: 73
<i>mammillaris</i> Hook.f.	–	28	Dawson et al. 1993: 101
<i>monroi</i> Hook.f.	–	28	B. E. Groves & J. B. Hair in Ward 1981: 73
<i>monroi</i> Hook.f.	–	28	Dawson et al. 1993: 100
<i>parkii</i> Buchanan	–	84	B. E. Groves & J. B. Hair in Ward 1981: 74
<i>parkii</i> Buchanan	–	84	Dawson et al. 1993: 100
cf. <i>parkii</i>	–	84	Dawson et al. 1993: 100
<i>petriensis</i> Kirk	–	28	B. E. Groves & J. B. Hair in Ward 1981: 73
<i>petriensis</i> Kirk	–	28	Dawson et al. 1993: 100
<i>subsericea</i> Hook.f.	–	56	B. E. Groves & J. B. Hair in Ward 1981: 74
<i>subsericea</i> Hook.f.	–	56	Dawson et al. 1993: 100
<i>subulata</i> Hook.f.	–	28	B. E. Groves & J. B. Hair in Ward 1981: 73
<i>subulata</i> Hook.f.	–	28	Dawson et al. 1993: 101
<i>tenuicaulis</i> Hook.f.	–	28	B. E. Groves & J. B. Hair in Ward 1981: 73
<i>tenuicaulis</i> Hook.f.	–	28	Dawson et al. 1993: 100
cf. <i>tenuicaulis</i>	–	28	Dawson et al. 1993: 100
<i>youngii</i> (Hook.f.) Beauverd	–	28	B. E. Groves & J. B. Hair in Ward 1981: 73
<i>youngii</i> (Hook.f.) Beauverd	–	28	Dawson et al. 1993: 101
(indet.)	–	28	B. E. Groves & J. B. Hair in Ward 1981: 73; as <i>R. sp. K</i> . [Informal in Druce 1993]
(indet.)	–	28	Dawson et al. 1993: 100; as <i>R. sp. (undescribed)</i> . [R. “K” in Druce 1993]
(indet.)	–	28	Dawson et al. 1993: 101; as <i>R. sp. (undescribed)</i> . [R. “L” in Druce 1993]
(indet.)	–	28	B. E. Groves & J. B. Hair in Ward 1981: 73; as <i>R. sp. M</i> . [Informal name in Druce 1993]
(indet.)	–	28	Dawson et al. 1993: 100; as <i>R. sp. (undescribed)</i> . [R. “M” in Druce 1993]
<i>Senecio</i> (19/19)			
<i>banksii</i> Hook.f.	–	60	Beuzenberg 1975: 347; as <i>S. banksii</i> , <i>S. colensoi</i> var. <i>lobulatus</i> , and <i>S. colensoi</i> var. <i>obtusifolia</i>
<i>biserratus</i> Belcher	–	c. 96, 100	Beuzenberg & Groves 1974: 212
<i>carnosulus</i> (Kirk) C.J.Webb	–	80	Beuzenberg 1975: 346; as <i>S. lautus</i> subsp. <i>lautus</i> (CHR 200640)
<i>carnosulus</i> (Kirk) C.J.Webb	–	80	Beuzenberg 1975: 347; as <i>S. lautus</i> subsp. <i>carnosulus</i> . Erroneously cited as <i>n</i> = 20 by Sykes 1971: 534

Table 1 (contd) DICOTYLEDONAE

Taxon	<i>n</i>	<i>2n</i>	Reference
ASTERACEAE (COMPOSITAE) (contd)			
<i>carosulus</i> (Kirk) C.J.Webb	–	80	M. I. Dawson in Webb 1988: 482
<i>carosulus</i> (Kirk) C.J.Webb	–	80	Dawson 1989: 164
<i>carosulus</i> ?	20	–	Ornduff 1960: 68, 74; as <i>C. lautus</i> subsp. <i>carosulus</i> (ex Blackhead, Otago). Count or identity uncertain; see Webb 1988: 482
<i>dunedinensis</i> Belcher	–	40	Beuzenberg & Groves 1974: 212
<i>glaucophyllus</i> Cheeseman	50	–	Ornduff 1962: 226
<i>glaucophyllus</i> Cheeseman	50	–	Ornduff 1964: 354
<i>glaucophyllus</i> Cheeseman	–	100	Beuzenberg 1975: 347; as <i>S. glaucophyllus</i> Marlborough form
<i>glaucophyllus</i> subsp. <i>basinudus</i> Ornduff	50	–	Ornduff 1960: 71, 75
<i>glaucophyllus</i> subsp. <i>basinudus</i> Ornduff	50	100	Beuzenberg 1975: 347
<i>glaucophyllus</i> subsp. <i>discoideus</i> (Cheeseman) Ornduff	50	–	Ornduff 1960: 73, 75
<i>glaucophyllus</i> subsp. <i>discoideus</i> (Cheeseman) Ornduff	–	100	Beuzenberg 1975: 347
<i>glaucophyllus</i> Cheeseman subsp. <i>glaucophyllus</i>	50	–	Beuzenberg 1975: 347
<i>glaucophyllus</i> subsp. <i>toa</i> C.J.Webb	50	–	Ornduff 1960: 72, 75; as <i>S. glaucophyllus</i> subsp. <i>raoulia</i>
<i>glaucophyllus</i> subsp. <i>toa</i> C.J.Webb	–	100	Beuzenberg 1975: 347; as <i>S. glaucophyllus</i> subsp. <i>raoulia</i>
<i>glomeratus</i> Poir.	30	–	Afzelius 1967: 4
<i>glomeratus</i> Poir.	–	60	Beuzenberg & Groves 1974: 212
<i>hawaii</i> Sykes	–	60	Beuzenberg 1975: 348; as <i>S.</i> undescribed sp.
<i>hispidulus</i> A.Rich.	–	60	Beuzenberg & Groves 1974: 212; as <i>S. hispidulus</i> var. <i>hispidulus</i>
<i>kermadecensis</i> Belcher	–	60	Beuzenberg & Groves 1974: 212
<i>lautus</i> var. <i>esperensis</i> Sykes	20	–	E. J. Beuzenberg in Sykes 1971: 534; as <i>S. lautus</i> subsp. <i>lautus</i> var. <i>esperensis</i>
<i>lautus</i> var. <i>esperensis</i> Sykes	–	40	Beuzenberg 1975: 347
<i>lautus</i> Willd. var. <i>lautus</i>	20	–	Ornduff 1960: 66, 74; as <i>S. lautus</i> subsp. <i>lautus</i>
<i>lautus</i> Willd. var. <i>lautus</i>	20	–	Ornduff 1962: 225; as <i>S. lautus</i>
<i>lautus</i> Willd. var. <i>lautus</i>	20	–	Turner 1970: 385; as <i>S. lautus</i>
<i>lautus</i> Willd. var. <i>lautus</i>	20	40	Beuzenberg 1975: 346; as <i>S. lautus</i> subsp. <i>lautus</i>
<i>lautus</i> Willd. var. <i>lautus</i>	–	40	de Lange & Murray 1998: 516–517
<i>lautus</i> Willd. var. <i>lautus</i>	–	40	Murray & de Lange 1999: 512, 514
<i>marotiri</i> C.J.Webb	–	80	Beuzenberg 1975: 346; as <i>S. lautus</i> subsp. <i>lautus</i> (CHR 200639). See Webb 1988: 484
<i>marotiri</i> C.J.Webb	–	80	Murray & de Lange 1999: 512, 514
<i>minimus</i> Poir.	–	60	Beuzenberg & Groves 1974: 212
<i>quadridentatus</i> Labill.	–	40	Beuzenberg & Groves 1974: 212
<i>radiolatus</i> subsp. <i>antipodus</i> (Kirk) C.J.Webb	–	40	Beuzenberg 1975: 347; as <i>S. antipodus</i>
<i>radiolatus</i> F.Muell. subsp. <i>radiolatus</i>	40	–	Ornduff 1960: 69, 74; as <i>S. radiolatus</i>
<i>radiolatus</i> F.Muell. subsp. <i>radiolatus</i>	40	–	Ornduff 1962: 225; as <i>S. radiolatus</i>
<i>radiolatus</i> F.Muell. subsp. <i>radiolatus</i>	40	–	Ornduff 1964: 354; as <i>S. radiolatus</i>
<i>radiolatus</i> F.Muell. subsp. <i>radiolatus</i>	–	40	Beuzenberg 1975: 347
<i>repangae</i> subsp. <i>pokohinuensis</i> de Lange et B.G.Murray	50 _{II}	100	de Lange & Murray 1998: 514, 516–517. [<i>S.</i> "Pokohinu" in Cameron et al. 1995]
<i>repangae</i> subsp. <i>pokohinuensis</i> de Lange et B.G.Murray	50 _{II}	100	Murray & de Lange 1999: 512, 514. [<i>S.</i> "Pokohinu" in Cameron et al. 1995]
<i>repangae</i> de Lange et B.G.Murray subsp. <i>repangae</i>	irregular	100	Beuzenberg 1975: 349; as <i>S. lautus</i> × erectitoid <i>Senecio</i> (CHR 132999). Discussed in the notes under <i>S. lautus</i> by Webb et al. 1988: 283. See de Lange & Murray 1998: 517. [<i>S.</i> "Cuvier" in Druce 1993 and Cameron et al. 1995]
<i>repangae</i> de Lange et B.G.Murray subsp. <i>repangae</i>	50 _{II}	100	de Lange & Murray 1998: 512, 516–517. [<i>S.</i> "Cuvier" in Druce 1993 and Cameron et al. 1995]

Taxon	<i>n</i>	2 <i>n</i>	Reference
<i>repangae</i> de Lange et B.G.Murray subsp. <i>repangae</i>	50 _{II}	100	Murray & de Lange 1999: 512, 514. [S. "Cuvier" in Druce 1993 and Cameron et al. 1995]
<i>repangae</i> subsp. <i>repangae</i> × <i>repangae</i> subsp. <i>pokohinuensis</i>	–	100	de Lange & Murray 1998: 518. Putative hybrid
<i>repangae</i> subsp. <i>repangae</i> × <i>repangae</i> subsp. <i>pokohinuensis</i>	–	100	Murray & de Lange 1999: 512, 514. Putative hybrid
<i>rufiglandulosus</i> Colenso	20	–	Ornduff et al. 1963: 134; as <i>S. solandri</i>
<i>rufiglandulosus</i> Colenso	20	–	Ornduff 1964: 354; as <i>S. solandri</i>
<i>rufiglandulosus</i> Colenso	20	–	Beuzenberg 1975: 347
<i>scaberulus</i> (Hook.f.) D.G.Drury	–	60	Beuzenberg & Groves 1974: 212; as <i>S. hispidulus</i> var. <i>scaberulus</i>
<i>sterquilinus</i> Ornduff	20	–	Ornduff 1960: 68, 74; as <i>S. sterquilinus</i> and <i>C. lautus</i> subsp. <i>carinosulus</i> (ex Punakaiki). See Webb 1988: 482 and Webb et al. 1988: 279, 286
<i>sterquilinus</i> Ornduff	20	–	Ornduff 1962: 225
<i>sterquilinus</i> Ornduff	20	–	Beuzenberg 1975: 347
<i>wairauensis</i> Belcher	–	40	Beuzenberg & Groves 1974: 212
<i>Taraxacum</i> (1/2) <i>magellanicum</i> Sch.Bip.	–	16	Beuzenberg & Hair 1984: 356 (ex Arthur's Pass, Canterbury)
<i>Traversia</i> (1/1) <i>baccharoides</i> Hook.f.	–	60	E. J. Beuzenberg in Hair 1966: 566; as <i>Traversia</i> . Species name not stated
<i>baccharoides</i> Hook.f.	–	60	Hair & Beuzenberg 1966: 256
<i>Vittadinia</i> (1/1) <i>australis</i> A.Rich. agg.	–	18, 36	Hair & Beuzenberg 1966: 256
<i>australis</i> A.Rich. agg.	–	18	Dawson 1989: 164
AVICENNIACEAE			
<i>Avicennia</i> (1/1) <i>marina</i> subsp. <i>australasica</i> (Walp.) J.Everett	–	c. 64, 64, 96	Dawson 1989: 164; as <i>A. resinifera</i>
BIGNONIACEAE			
<i>Tecomanthe</i> (1/1) <i>speciosa</i> W.R.B.Oliv.	19	38	Beuzenberg & Hair 1963: 54
BORAGINACEAE			
<i>Myosotidium</i> (1/1) <i>hortensia</i> (Decne.) Baill.	–	40–42	Dawson & Beuzenberg 2000: 4, 9
<i>Myosotis</i> (8/34) <i>capitata</i> Hook.f.	23	–	Beuzenberg & Hair 1983: 13
<i>colensoi</i> (Kirk) J.F.Macbr.	23	–	Beuzenberg & Hair 1983: 13
<i>eximia</i> Petrie	22	–	Beuzenberg & Hair 1983: 13
<i>forsteri</i> Lehm.	24	–	Beuzenberg & Hair 1983: 13; as <i>M. australis</i>
<i>macrantha</i> (Hook.f.) Benth. et Hook.f.	24	–	Beuzenberg & Hair 1983: 13
<i>pygmaea</i> var. <i>drucei</i> L.B.Moore	24	–	Beuzenberg & Hair 1983: 13; as <i>M. pygmaea</i>
<i>saxosa</i> Hook.f.	22	–	Beuzenberg & Hair 1983: 13
<i>traversii</i> Hook.f. var. <i>traversii</i>	24	–	Beuzenberg & Hair 1983: 13
BRASSICACEAE (CRUCIFERAE)			
<i>Cardamine</i> (3/5) <i>bilobata</i> Kirk	24	–	Pritchard 1957: 86
<i>corymbosa</i> Hook.f.	24	–	Pritchard 1957: 83
<i>corymbosa</i> Hook.f.	–	48	Moore 1960: 187
<i>debilis</i> DC. complex	24	–	Pritchard 1957: 79; as <i>C. heterophylla</i> "Glossy leaf". [C. "Glossy Leaf" in Druce 1993]. Erroneously cited as 2 <i>n</i> = 24 in Bolkhovskikh et al. 1969: 167

Table 1 (contd) DICOTYLEDONAE

Taxon	<i>n</i>	<i>2n</i>	Reference
BRASSICACEAE (CRUCIFERAE) (contd)			
<i>debilis</i> DC. complex	24	–	Pritchard 1957: 79; as <i>C. heterophylla</i> "Long style". [C. "Long Style" in Druce 1993]. Erroneously cited as $2n = 24$ in Bolkhovskikh et al. 1969: 167
<i>debilis</i> DC. complex	24	–	Pritchard 1957: 81; as <i>C. heterophylla</i> "Narrow petal". [C. "Narrow Petal" in Druce 1993]. Erroneously cited as $2n = 24$ in Bolkhovskikh et al. 1969: 167
<i>debilis</i> DC. complex	24	–	Pritchard 1957: 84; as <i>C. debilis</i> "Tussock race". [C. "Tussock Race" in Druce 1993]
<i>Cheeseman</i> (3/5)			
<i>fastigiata</i> (Hook.f.) O.E.Schulz	–	20	Dawson & Beuzenberg 2000: 4, 9. [C. "Chalk" in Druce 1993; C. "Chalk Range" in Cameron et al. 1995]
<i>latisiliqua</i> (Cheeseman) O.E.Schulz	–	20	Dawson & Beuzenberg 2000: 4, 9
<i>stellata</i> (Allan) Heenan et Garn.-Jones	–	20	Dawson & Beuzenberg 2000: 4, 9. [C. "stellata" in Druce 1993 and Cameron et al. 1995]
<i>Ischnocarpus</i> (2/2)			
<i>exilis</i> Heenan	–	20	M. I. Dawson in Molloy et al. 1999: 48
<i>exilis</i> Heenan	–	20	Dawson & Beuzenberg 2000: 4, 9
<i>novae-zelandiae</i> (Hook.f.) O.E.Schulz	–	20	Dawson & Beuzenberg 2000: 4, 9
<i>Iti</i> (1/1)			
<i>lacustris</i> Garn.-Jones et P.N.Johnson	–	48	E. J. Beuzenberg in Garnock-Jones & Johnson 1987: 604
<i>lacustris</i> Garn.-Jones et P.N.Johnson	–	48	Dawson & Beuzenberg 2000: 4, 9
<i>Notothlaspi</i> (2/2)			
<i>australe</i> Hook.f. var. <i>australe</i>	–	90–100	Dawson & Beuzenberg 2000: 4, 12
aff. <i>australe</i>	–	90–100	Dawson & Beuzenberg 2000: 4, 12. [<i>N.</i> "Red Hills" in Druce 1993 and Cameron et al. 1995; <i>N.</i> (a) in de Lange et al. 1999a]
<i>rosulatum</i> Hook.f.	c. 19	–	Beuzenberg & Hair 1983: 14
<i>rosulatum</i> Hook.f.	–	36–38	Dawson & Beuzenberg 2000: 4, 12
<i>Pachycladon</i> (1/2)			
<i>novae-zelandiae</i> Hook.f.	–	20	Dawson 1995a: 478, 481
<i>Rorippa</i> (2/2)			
<i>divaricata</i> (Hook.f.) Garn.-Jones et Jonsell	–	48	Beuzenberg & Hair 1983: 14; as <i>R. gigantea</i>
<i>divaricata</i> (Hook.f.) Garn.-Jones et Jonsell	–	48	Carrique & Martinez 1984: 120; as <i>R. gigantea</i>
<i>divaricata</i> (Hook.f.) Garn.-Jones et Jonsell	–	48	E. J. Beuzenberg in Garnock-Jones & Jonsell 1988: 479
<i>palustris</i> (L.) Besser	16	–	Beuzenberg & Hair 1983: 14
BREXIACEAE			
<i>Ixerba</i> (1/1)			
<i>brexioides</i> A.Cunn.	–	50	Hair & Beuzenberg 1966: 256
CALLITRICHACEAE			
<i>Callitriche</i> (4/4)			
<i>antarctica</i> Hegelm.	20	–	Moore 1960: 187
<i>antarctica</i> Hegelm.	–	40	Beuzenberg & Hair 1963: 54
<i>aucklandica</i> R.Mason	–	40	Beuzenberg & Hair 1963: 54
<i>muelleri</i> Sond.	–	10	Beuzenberg & Hair 1963: 54
<i>petriei</i> subsp. <i>chathamensis</i> R.Mason	–	20	Beuzenberg & Hair 1963: 54
<i>petriei</i> R.Mason subsp. <i>petriei</i>	–	20	Beuzenberg & Hair 1963: 54
aff. <i>petriei</i>	–	30	Beuzenberg & Hair 1963: 54; as <i>C. petriei</i> subsp. <i>petriei</i> (CHR 96001, CHR 126501)
(indet.)	–	40	Beuzenberg & Hair 1963: 54; as <i>C. sp.</i>

Taxon	<i>n</i>	<i>2n</i>	Reference
CAMPANULACEAE			
<i>Wahlenbergia</i> (10/10)			
<i>akaroa</i> J.A.Petterson	–	72	Petterson et al. 1995: 493; as <i>W.</i> sp. (undescribed) (CHR 478659, CHR 478660)
<i>albomarginata</i> Hook. subsp. <i>albomarginata</i>	18	36	Petterson et al. 1995: 493; as <i>W. albomarginata</i> and <i>W. brockiei</i>
<i>albomarginata</i> subsp. <i>decora</i> J.A.Petterson	18	36	Petterson et al. 1995: 493; as <i>W.</i> cf. <i>albomarginata</i>
<i>albomarginata</i> subsp. <i>flexilis</i> (Petrie) J.A.Petterson	–	36	Petterson et al. 1995: 493; as <i>W. simpsonii</i>
<i>albomarginata</i> subsp. <i>laxa</i> (G.Simpson) J.A.Petterson	18	36	Petterson et al. 1995: 493; as <i>W. laxa</i>
<i>albomarginata</i> subsp. <i>olivina</i> J.A.Petterson	–	36	Petterson et al. 1995: 493; as <i>W.</i> cf. <i>albomarginata</i>
<i>cartilaginea</i> Hook.f.	–	36	Petterson et al. 1995: 493
<i>congesta</i> (Cheeseman) N.E.Br. subsp. <i>congesta</i>	18	–	Beuzenberg & Hair 1983: 13; as <i>W. congesta</i>
<i>congesta</i> (Cheeseman) N.E.Br. subsp. <i>congesta</i>	18	36, (90)	Petterson et al. 1995: 493; as <i>W. congesta</i>
<i>congesta</i> subsp. <i>haastii</i> J.A.Petterson	–	36	Petterson et al. 1995: 493; as <i>W. congesta</i> (CHR 483566)
<i>matthewsii</i> Cockayne	18	–	Petterson et al. 1995: 493
<i>pygmaea</i> subsp. <i>drucei</i> J.A.Petterson	–	36	Petterson et al. 1995: 493; as <i>W. pygmaea</i> (CHR 79084)
<i>pygmaea</i> Colenso subsp. <i>pygmaea</i>	–	36	Petterson et al. 1995: 493; as <i>W. pygmaea</i> (CHR 79197)
<i>pygmaea</i> subsp. <i>tararua</i> J.A.Petterson	–	36	Petterson et al. 1995: 493; as <i>W. pygmaea</i> (CHR 494717)
<i>ramosa</i> G.Simpson	36	72	Petterson et al. 1995: 493
<i>rupestris</i> G.Simpson	36	–	Petterson et al. 1995: 493; as <i>W. colensoi</i> and <i>W. rupestris</i>
<i>vernicaosa</i> J.A.Petterson	–	54	Petterson et al. 1995: 493; as <i>W.</i> sp. (undescribed) (CHR 483550, CHR 483551)
<i>violacea</i> J.A.Petterson	36	72	Petterson et al. 1995: 493; as <i>W. marginata</i> sens. lat.
CARYOPHYLLACEAE			
<i>Colobanthus</i> (2/14)			
<i>affinis</i> (Hook.) Hook.f.	c. 40	–	B. V. Sneddon in Dawson & Beuzenberg 2000: 12. Erroneously cited as <i>2n</i> = c. 80 in Moore 1970: 64
aff. <i>brevisepalus</i>	–	c. 80, 80–82	Dawson & Beuzenberg 2000: 4, 12. [<i>C.</i> “Pareora” / <i>C.</i> “Tengawai” in Druce 1993 and Cameron et al. 1995]
<i>buchananii</i> Kirk	–	80–82	Dawson & Beuzenberg 2000: 4, 12
<i>Scleranthus</i> (3/3)			
<i>biflorus</i> (J.R.Forst. et G.Forst.) Hook.f.	–	48	Beuzenberg & Hair 1983: 14
<i>brockiei</i> P.A.Will.	–	48	Beuzenberg & Hair 1983: 14
<i>uniflorus</i> P.A.Will.	–	48	Beuzenberg & Hair 1983: 14
<i>Stellaria</i> (1/5)			
<i>decipiens</i> Hook.f.	–	90	Moore 1960: 187
CHENOPODIACEAE			
<i>Atriplex</i> (3/3)			
<i>billardierei</i> (Moq.) Hook.f.	9, 9 _{II}	–	de Lange et al. 1997: 130
<i>billardierei</i> (Moq.) Hook.f.	9 _{II}	–	Murray & de Lange 1999: 512, 516
<i>buchananii</i> (Kirk) Cheeseman	–	18	Murray & de Lange 1999: 512, 516
<i>cinerea</i> Poir.	27 _{II}	–	de Lange et al. 1998: 524
<i>cinerea</i> Poir.	27 _{II}	–	Murray & de Lange 1999: 512, 516
<i>Sarcocornia</i> (1/1)			
<i>quinqueflora</i> (Ung.-Sternb.) A.J.Scott	9	18	Hair & Beuzenberg 1960: 433; as <i>Salicornia australis</i>
CHLORANTHACEAE			
<i>Ascarina</i> (1/1)			
<i>lucida</i> Hook.f. var. <i>lucida</i>	–	26	Dawson 1995a: 478, 482

Table 1 (contd) DICOTYLEDONAE

Taxon	<i>n</i>	<i>2n</i>	Reference
CLUSIACEAE (GUTTIFERAE including HYPERICACEAE)			
<i>Hypericum</i> (2/2)			
<i>gramineum</i> G.Forst.	8	–	Hair & Beuzenberg 1959: 149
<i>japonicum</i> Murray agg.	8	–	Hair & Beuzenberg 1959: 149
CONVOLVULACEAE			
<i>Dichondra</i> (2/2)			
<i>brevifolia</i> Buchanan	15	30	Hair 1963b: 244
<i>repens</i> J.R.Forst. et G.Forst.	15	30	Hair 1963b: 244
CORIARIACEAE			
<i>Coriaria</i> (3/8)			
<i>arborea</i> R.Linds.	c. 22 _{II}	–	Rattenbury 1957: 937. Erroneously cited as <i>2n</i> = c. 22 in Bolkhovskikh et al. 1969: 235
<i>arborea</i> R.Linds.	20	–	Beuzenberg & Hair 1983: 14
<i>arborea</i> R.Linds.	–	40	Oginuma et al. 1991: 299
<i>arborea</i> R.Linds.	–	40	Oginuma 1993: 23
<i>lurida</i> Kirk complex	–	80	Oginuma et al. 1991: 299. Possible hybrid complex; see Allan 1961: 303
<i>lurida</i> Kirk complex	–	60	Oginuma 1993: 23. Possible hybrid complex; see Allan 1961: 303
<i>pteridoides</i> W.R.B.Oliv.	–	80	Oginuma et al. 1991: 299
<i>pteridoides</i> W.R.B.Oliv.	–	80	Oginuma 1993: 23
(indet.)	–	80	Murray & de Lange 1999: 512, 516; as <i>Coriaria</i> sp. (a) of Eagle 1982. [<i>C.</i> sp. (unnamed); aff. <i>C. plumosa</i> and <i>C. pteridoides</i>] in Druce 1980; <i>C.</i> "Rimutaka" in Druce 1993 and Cameron et al. 1995; <i>C.</i> (a) in de Lange et al. 1999a]
CORYNOCARPACEAE			
<i>Corynocarpus</i> (1/1)			
<i>laevigatus</i> J.R.Forst. et G.Forst.	22	–	Hair & Beuzenberg 1960: 433
<i>laevigatus</i> J.R.Forst. et G.Forst.	–	46, 44–46	Dawson 1997: 256. Includes comments on Hair & Beuzenberg's 1960 count
CRASSULACEAE			
<i>Crassula</i> (4/13)			
<i>moschata</i> G.Forst.	–	28	Moore 1960: 187
<i>peduncularis</i> (Sm.) F.Meigen	–	42	Murray & de Lange 1999: 512, 516
<i>ruamahanga</i> A.P.Druce	–	42	Murray & de Lange 1999: 512, 516
<i>sinclairii</i> (Hook.f.) A.P.Druce et Given	–	56	Beuzenberg & Hair 1983: 14; as <i>Tillaea sinclairii</i>
CUNONIACEAE			
<i>Ackama</i> (1/1)			
<i>rosifolia</i> A.Cunn.	16	–	Hair & Beuzenberg 1960: 433
<i>Weinmannia</i> (2/2)			
<i>racemosa</i> L.f.	15	–	Hair & Beuzenberg 1960: 433
<i>silvicola</i> Sol. ex A.Cunn.	15	–	Hair & Beuzenberg 1960: 433
(indet., generic and specific status uncertain)	–	30	M. I. Dawson in Garnock-Jones et al. 1996: 216. ["X-it" in Druce 1993 and Cameron et al. 1995]
(indet., generic and specific status uncertain)	–	30	Dawson & Beuzenberg 2000: 4, 12. ["X-it" in Druce 1993 and Cameron et al. 1995]
DROSERACEAE			
<i>Drosera</i> (1/6)			
<i>spathulata</i> Labill.	–	20	Rattenbury 1957: 937
<i>spathulata</i> Labill.	10	20	Beuzenberg & Hair 1983: 14
ELAEOCARPACEAE			
<i>Aristolelia</i> (2/2)			
<i>fruticosa</i> Hook.f.	14	–	Hair 1963b: 244

Taxon	<i>n</i>	<i>2n</i>	Reference
<i>fruticosa</i> × <i>serrata</i>	14	–	Hair 1963b: 244; as <i>A. colensoi</i> . Putative hybrid; see Allan 1961: 335
<i>serrata</i> (J.R.Forst. et G.Forst.) W.R.B.Oliv.	14	28	Hair 1963b: 244
<i>Elaeocarpus</i> (1/2)			
<i>hookerianus</i> Raoul	–	30	Rattenbury 1957: 937
EPACRIDACEAE			
<i>Androstoma</i> (1/1)			
<i>empetrifolia</i> Hook.f.	–	24	Sands 1960: 41, 43; as <i>Cyathodes empetrifolia</i>
<i>empetrifolia</i> Hook.f.	–	24	V. E. Sands in Weiller 1996: 180
<i>empetrifolia</i> Hook.f.	–	24	Previously unpublished count, M. I. Dawson (CHR 514895)
<i>Archeria</i> (1/2)			
<i>racemosa</i> Hook.f.	12	–	Sands 1960: 41, 45
<i>Cyathodes</i> (3/3)			
<i>juniperina</i> (J.R.Forst. et G.Forst.) Druce	11	–	Sands 1960: 41, 43
<i>juniperina</i> (J.R.Forst. et G.Forst.) Druce	–	20	Previously unpublished count, M. I. Dawson (CHR 514891, CHR 514905)
<i>pumila</i> Hook.f.	–	24	Previously unpublished count, M. I. Dawson (CHR 518690)
<i>robusta</i> Hook.f.	–	20	Previously unpublished count, M. I. Dawson (CHR 514906)
<i>Dracophyllum</i> (9/34)			
<i>acerosum</i> Berggr.	–	26	Previously unpublished count, M. I. Dawson (CHR 483571, CHR 483574, CHR 483577)
<i>kirkii</i> Berggr.	–	26	Previously unpublished count, M. I. Dawson (CHR 483569, CHR 483572)
<i>longifolium</i> (J.R.Forst. et G.Forst.) R.Br.	–	26	Previously unpublished count, M. I. Dawson (CHR 483573, CHR 483578)
<i>palustre</i> Cockayne ex W.R.B.Oliv.	–	26	Previously unpublished count, M. I. Dawson (CHR 483575, CHR 483576)
<i>pronum</i> (×?)	–	26	Previously unpublished count, M. I. Dawson (CHR 483579). Putative hybrid
<i>recurvum</i> Hook.f.	13	–	Sands 1960: 42
<i>sinclairii</i> Cheeseman	–	26	Previously unpublished count, M. I. Dawson (CHR 483581)
<i>traversii</i> Hook.f.	–	26	Previously unpublished count, M. I. Dawson (CHR 483580)
<i>uniflorum</i> Hook.f.	–	26	Previously unpublished count, M. I. Dawson (CHR 483570)
<i>urvilleanum</i> A.Rich.	13	–	Sands 1960: 42
<i>Epacris</i> (2/2)			
<i>alpina</i> Hook.f.	13	26	Sands 1960: 41, 44
<i>alpina</i> Hook.f.	13	–	Beuzenberg & Hair 1983: 14
<i>pauciflora</i> A.Rich.	13	–	Sands 1960: 41, 44
<i>pauciflora</i> A.Rich.	13	–	Beuzenberg & Hair 1983: 14
<i>Leucopogon</i> (4/4)			
<i>colensoi</i> Hook.f.	–	c. 140	Previously unpublished count, M. I. Dawson (CHR 514910)
<i>fasciculatus</i> (G.Forst.) A.Rich.	22	–	Sands 1960: 41, 44
<i>fasciculatus</i> (G.Forst.) A.Rich.	22	44	Previously unpublished count, M. I. Dawson (CHR 514896, CHR 514911)
<i>fraseri</i> A.Cunn. var. <i>fraseri</i> agg.	8	16	Sands 1960: 41, 44
<i>fraseri</i> A.Cunn. var. <i>fraseri</i> agg.	–	16, (20–22)	Previously unpublished count, M. I. Dawson. Plants from several provenances counted (CHR 512358–512362, CHR 512364, CHR 512366)
<i>fraseri</i> var. <i>muscosus</i> sensu Allan	–	16	Previously unpublished count, M. I. Dawson. Plants from several provenances counted (CHR 512355, CHR 512356, CHR 512363)
<i>parviflorus</i> (Andrews) Lindl.	11	–	Sands 1960: 41, 44; as <i>L. richei</i>
<i>parviflorus</i> (Andrews) Lindl.	–	22	Previously unpublished count, M. I. Dawson (CHR 514899, CHR 514909)

Table 1 (*contd*) DICOTYLEDONAE

Taxon	<i>n</i>	<i>2n</i>	Reference
EPACRIDACEAE (<i>contd</i>)			
<i>Pentachondra</i> (1/1)			
<i>pumila</i> (J.R.Forst. et G.Forst.) R.Br.	–	52, c. 52	Previously unpublished count, M. I. Dawson. Plants from several provenances counted (CHR 514894, CHR 514897, CHR 514898)
<i>pumila</i> ?	–	28	Sands 1960: 41, 43; as <i>P. pumila</i> . Count or identity uncertain
ERICACEAE			
<i>Gaultheria</i> (4/10)			
<i>antipoda</i> G.Forst.	–	22	Callan 1941: 584
<i>antipoda</i> G.Forst.	11	22, c. 22	Armstrong 1964: 69, 74–81
<i>antipoda</i> G.Forst.	11	–	J. M. Armstrong in Hair 1966: 587
<i>antipoda</i> G.Forst.	–	22	Middleton & Wilcock 1990: 308
<i>crassa</i> Allan	11	–	Armstrong 1964: 74–81
<i>crassa</i> Allan	11	–	J. M. Armstrong in Hair 1966: 587
<i>depressa</i> Hook.f. var. <i>depressa</i>	11	22, c. 22	Armstrong 1964: 69, 74–81
<i>depressa</i> Hook.f. var. <i>depressa</i>	11	–	J. M. Armstrong in Hair 1966: 587
<i>depressa</i> var. <i>novae-zealandiae</i> D.A.Franklin	11	–	Armstrong 1964: 74–81
<i>depressa</i> var. <i>novae-zealandiae</i> D.A.Franklin	11	–	J. M. Armstrong in Hair 1966: 587
<i>macrostigma</i> (Colenso) D.J.Middleton	11	20–23	Armstrong 1964: 69, 74–81; as <i>Pernettya macrostigma</i>
<i>macrostigma</i> (Colenso) D.J.Middleton	11	–	J. M. Armstrong in Hair 1966: 587; as <i>Pernettya macrostigma</i>
<i>macrostigma</i> × <i>antipoda</i>	11	–	Armstrong 1964: 74–81; as <i>Pernettya macrostigma</i> × <i>Gaultheria antipoda</i> . Putative hybrid
<i>macrostigma</i> × <i>antipoda</i>	11	–	J. M. Armstrong in Hair 1966: 587; as <i>Pernettya macrostigma</i> × <i>Gaultheria antipoda</i> . Putative hybrid
<i>macrostigma</i> × <i>crassa</i>	11	20–22	Armstrong 1964: 69, 74–81; as <i>Pernettya macrostigma</i> × <i>Gaultheria crassa</i> . Putative hybrid
<i>macrostigma</i> × <i>crassa</i>	11	–	J. M. Armstrong in Hair 1966: 587; as <i>Pernettya macrostigma</i> × <i>Gaultheria crassa</i> . Putative hybrid
<i>macrostigma</i> × <i>depressa</i> var. <i>depressa</i>	11	–	Armstrong 1964: 74–81; as <i>Pernettya macrostigma</i> × <i>Gaultheria depressa</i> var. <i>depressa</i> . Putative hybrid
<i>macrostigma</i> × <i>depressa</i> var. <i>depressa</i>	11	–	J. M. Armstrong in Hair 1966: 587; as <i>Pernettya macrostigma</i> × <i>Gaultheria depressa</i> (both vars). Putative hybrid
<i>macrostigma</i> × <i>depressa</i> var. <i>novae-zealandiae</i>	11	21–24	Armstrong 1964: 69, 74–81; as <i>Pernettya macrostigma</i> × <i>Gaultheria depressa</i> var. <i>N-Z</i> . [sic.]. Putative hybrid
<i>macrostigma</i> × <i>depressa</i> var. <i>novae-zealandiae</i>	11	–	J. M. Armstrong in Hair 1966: 587; as <i>Pernettya macrostigma</i> × <i>Gaultheria depressa</i> (both vars). Putative hybrid
<i>parvula</i> × <i>depressa</i> var. <i>novae-zealandiae</i>	11	–	Armstrong 1964: 74–81; as <i>Pernettya nana</i> × <i>G. depressa</i> var. <i>n-z</i> . [sic.]. Putative hybrid
<i>parvula</i> × <i>depressa</i> var. <i>novae-zealandiae</i>	11	–	J. M. Armstrong in Hair 1966: 587; as <i>Pernettya nana</i> × <i>G. depressa</i> var. <i>novae-zealandiae</i> . Putative hybrid
ESCALLONIACEAE (including COROKIACEAE)			
<i>Carpodetus</i> (1/1)			
<i>serratus</i> J.R.Forst. et G.Forst.	–	30	Hair & Beuzenberg 1960: 433
<i>Corokia</i> (3/3)			
<i>buddleioides</i> A.Cunn. var. <i>buddleioides</i>	9	–	Hair & Beuzenberg 1959: 149
<i>buddleioides</i> var. <i>linearis</i> Cheeseman	9	–	Hair & Beuzenberg 1959: 149
<i>buddleioides</i> × <i>cotoneaster</i>	9	–	Hair & Beuzenberg 1959: 149; as <i>C. cheesemanii</i> . Putative hybrid; see Allan 1961: 442
<i>cotoneaster</i> Raoul	–	18	Wanscher 1933: 387
<i>cotoneaster</i> Raoul	9	18	Hair & Beuzenberg 1959: 149
<i>macrocarpa</i> Kirk	9	–	Hair & Beuzenberg 1959: 149
<i>Quintinia</i> (2/3)			
<i>acutifolia</i> Kirk	–	44	Dawson 1995a: 478, 482
<i>serrata</i> A.Cunn.	–	44	Dawson 1995a: 478, 482

Taxon	<i>n</i>	<i>2n</i>	Reference
EUPHORBIACEAE			
<i>Euphorbia</i> (1/1)			
<i>glauca</i> G.Forst.	–	20	Perry 1943: 534
<i>Homalanthus</i> (1/1)			
<i>polyandrus</i> (Müll.Arg.) Cheeseman	–	64	Beuzenberg & Hair 1983: 14; as <i>H. polyandrus</i> and <i>H. nutans</i>
FABACEAE (LEGUMINOSAE)			
<i>Carmichaelia</i> (19/23)			
<i>appressa</i> G.Simpson	–	32	Dawson 1989: 164
<i>arborea</i> (G.Forst.) Druce	–	32	Dawson 1995a: 478, 482; as <i>C. grandiflora</i>
<i>astonii</i> G.Simpson	–	32	Dawson 1989: 164
<i>australis</i> ?	15	–	Kreuter 1930: 20, 41. Count or identity uncertain
<i>australis</i> ?	–	30, 40	Chekhov 1935: 149, 174. Count or identity uncertain
<i>carmichaeliae</i> (Hook.f.) Heenan	–	32	Slade 1953: 2; as <i>Notospartium carmichaeliae</i>
<i>corrugata</i> Colenso	–	c. 96	Dawson 1989: 164
<i>crassicaule</i> Hook.f.	–	32	Slade 1953: 2; as <i>Corallospartium crassicaule</i>
<i>crassicaule</i> Hook.f.	–	32	Dawson 1995a: 478, 482; as <i>Corallospartium crassicaule</i> var. <i>racemosum</i>
<i>curta</i> Petrie	–	32	Dawson 1995a: 478, 482
<i>glabrescens</i> ?	–	28	Frahm-Leliveld 1960: 328; as <i>Notospartium glabrescens</i> . Count or identity uncertain
<i>hollowayi</i> G.Simpson	–	32	Dawson 1995a: 478, 482
<i>juncea</i> Hook.f.	–	32	Dawson 1989: 164; as <i>C. prona</i>
<i>kirkii</i> Hook.f.	–	32	Slade 1953: 2
<i>monroi</i> Hook.f.	–	32	Slade 1953: 2
<i>monroi</i> Hook.f.	–	32	Dawson 1989: 164
<i>muritai</i> (A.W.Purdie) Heenan	–	32	M. I. Dawson in Purdie 1985: 158; as <i>Chordospartium muritai</i>
<i>muritai</i> (A.W.Purdie) Heenan	–	32	Dawson 1989: 164; as <i>Chordospartium muritai</i>
<i>nana</i> (Hook.f.) Hook.f.	–	32	Chekhov 1935: 149, 174; as <i>C. enysii</i>
<i>nana</i> (Hook.f.) Hook.f.	–	32	Dawson 1989: 164; as <i>C. enysii</i> var. <i>enysii</i> , <i>C. enysii</i> var. <i>ambigua</i> and <i>C. orbiculata</i>
<i>nana</i> × ?	–	32	Dawson & Beuzenberg 2000: 5, 12. Putative hybrid
<i>nana</i> × ?	–	32	Dawson & Beuzenberg 2000: 5, 12. Putative hybrid
<i>odorata</i> Benth. in Hook.f.	–	32	Dawson 1995a: 478, 482; as <i>C. odorata</i> and <i>C. angustata</i>
<i>petriei</i> Kirk	–	32	Slade 1953: 2
<i>petriei</i> Kirk	–	32	Dawson 1995a: 478, 482
<i>stevensonii</i> (Cheeseman) Heenan	–	32	Slade 1953: 2; as <i>Chordospartium stevensonii</i>
<i>uniflora</i> Kirk	–	96	Dawson 1989: 164
<i>uniflora</i> Kirk	–	c. 96	Dawson 1989: 164; as <i>C. suteri</i>
<i>vexillata</i> Heenan	–	32	M. I. Dawson in Heenan 1995: 473
<i>vexillata</i> Heenan	–	32	Dawson 1995a: 478, 482
<i>williamsii</i> Kirk	–	32	Slade 1953: 2
(indet.)	–	32	Dawson 1995a: 478, 482; as <i>C. sp.</i> (undescribed). [<i>C. "Rangitata"</i> in Druce 1993]
<i>Clianthus</i> (1/1)			
<i>puniceus</i> (G.Don) Sol. ex Lindl.	–	32	Chekhov 1935: 174. Erroneously cited as $2n = 16$ in Darlington & Wylie 1955: 163
<i>puniceus</i> var. <i>maximus</i> (Colenso) Kirk	–	c. 32	Dawson & Beuzenberg 2000: 5, 12
<i>puniceus</i> (G.Don) Sol. ex Lindl. var. <i>puniceus</i>	16	32	Hair & Beuzenberg 1959: 150; as <i>C. puniceus</i>
<i>puniceus</i> 'Albus'	16	–	Dawson & Beuzenberg 2000: 5, 12. Ornamental cultivar
<i>Montigena</i> (1/1)			
<i>novae-zelandiae</i> (Hook.f.) Heenan	–	32	Hair 1963b: 244; as <i>Swainsona novae-zelandiae</i>
<i>Sophora</i> (4/4)			
<i>longicarinata</i> G.Simpson et J.S.Thomson	9	–	Hair & Beuzenberg 1966: 257; as <i>S. microphylla</i> var. <i>longicarinata</i>
<i>microphylla</i> Aiton	–	18	Rattenbury 1957: 937
<i>microphylla</i> var. <i>fulvida</i> Allan	9	–	Hair & Beuzenberg 1966: 257

Table 1 (contd) DICOTYLEDONAE

Taxon	<i>n</i>	<i>2n</i>	Reference
FABACEAE (LEGUMINOSAE) (contd)			
<i>microphylla</i> Aiton var. <i>microphylla</i>	9	18	Hair & Beuzenberg 1966: 257; as <i>S. microphylla</i>
<i>prostrata</i> Buchanan	–	18	Rattenbury 1957: 937
<i>prostrata</i> Buchanan	9	18	Hair & Beuzenberg 1966: 257
<i>tetraptera</i> J.S.Mill.	–	18	Atchison 1949: 120
<i>tetraptera</i> J.S.Mill.	8 _{II} +1 _{IV}	18	Rattenbury 1957: 937
<i>tetraptera</i> J.S.Mill.	9	–	Hair & Beuzenberg 1966: 257
GENTIANACEAE			
<i>Gentiana</i> (17/26)			
<i>amabilis</i> Petrie	–	36	Hair et al. 1980: 563
<i>amabilis</i> Petrie	c. 18	–	Post 1983: 229
<i>antarctica</i> Kirk	–	36	Hair et al. 1980: 563
<i>antipoda</i> Kirk	–	36	Hair et al. 1980: 563
<i>bellidifolia</i> Hook.f.	–	36	Hair et al. 1980: 563
<i>bellidifolia</i> Hook.f.	18, c. 18	–	Post 1983: 229
<i>chathamica</i> Cheeseman	18	36	Hair et al. 1980: 563
<i>corymbifera</i> Kirk	–	36	Hair et al. 1980: 563
<i>corymbifera</i> Kirk	18	–	Post 1983: 229
<i>corymbifera</i> ?	18	–	Rattenbury 1957: 938
<i>divisa</i> (Kirk) Cheeseman	–	36	Hair et al. 1980: 563
<i>divisa</i> (Kirk) Cheeseman	18	–	Post 1983: 229
<i>divisa</i> (Kirk) Cheeseman	–	36	Dawson & Beuzenberg 2000: 5, 13
<i>filipes</i> Cheeseman	c. 18	–	Post 1983: 229
<i>grisebachii</i> Hook.f.	–	36	Hair et al. 1980: 563
<i>grisebachii</i> Hook.f.	18	–	Post 1983: 229
<i>lineata</i> Kirk	–	36	Hair et al. 1980: 563
<i>lineata</i> Kirk	–	36	Dawson & Beuzenberg 2000: 5, 13
<i>matthewsii</i> Petrie	–	36	Hair et al. 1980: 563
<i>matthewsii</i> Petrie	18	–	Post 1983: 229
<i>matthewsii</i> Petrie	–	36	Dawson & Beuzenberg 2000: 5, 13
<i>montana</i> G.Forst. var. <i>montana</i>	–	36	Hair et al. 1980: 563
<i>montana</i> G.Forst. var. <i>montana</i>	–	36	Dawson & Beuzenberg 2000: 5, 13
<i>montana</i> var. <i>stolonifera</i> Cheeseman	–	36	Hair et al. 1980: 563
<i>patula</i> (Kirk) Cheeseman	–	36	Hair et al. 1980: 563
<i>patula</i> (Kirk) Cheeseman	18	–	Post 1983: 229; as <i>G. patula</i> (CHR 201920) and <i>G. patula</i> ? [sic.] (CHR 201911, CHR 201916, CHR 201927)
<i>saxosa</i> G.Forst.	–	36	Favarger 1952: 249, 252
<i>saxosa</i> G.Forst.	–	36	S. H. James in Smith-White 1959: 285
<i>saxosa</i> G.Forst.	18	–	Post 1983: 229
<i>serotina</i> Cockayne	18	36	Hair et al. 1980: 563
<i>serotina</i> Cockayne	18	–	Post 1983: 229; as <i>G. patula</i> ? [sic.] (CHR 201929)
<i>tenuifolia</i> Petrie	–	36	Favarger 1952: 250, 252
<i>tenuifolia</i> Petrie	18	–	Post 1983: 229
<i>vernicaosa</i> Cheeseman	–	36	Hair et al. 1980: 563; as <i>G. vernicaosa</i> and <i>G. gracilifolia</i>
<i>vernicaosa</i> Cheeseman	18	–	Post 1983: 229
sp. ?	–	36	Hair et al. 1980: 563; as <i>G. astonii</i> . Species unknown in location stated by Hair et al. 1980
(indet.)	–	18	Hair et al. 1980: 563; as <i>G. sp.</i> [<i>G.</i> "Barrier" in Druce 1993]
(indet.)	–	36	Hair et al. 1980: 563; as <i>G. sp.</i> (CHR 102435). [<i>G.</i> "Cobb" in Druce 1993]
(indet.)	18	–	Post 1983: 229; as <i>G. tereticaulis</i> . [<i>G.</i> "Cobb" in Druce 1993]
(indet.)	–	36	Dawson & Beuzenberg 2000: 5, 13. [<i>G.</i> "Pareora" in Druce 1993 and Cameron et al. 1995; <i>G.</i> (b) in de Lange et al. 1999a]
(indet.)	–	36	Dawson & Beuzenberg 2000: 5, 13. [<i>G.</i> "Waitaki" in Druce 1993 and Cameron et al. 1995; <i>G.</i> (c) in de Lange et al. 1999a]
<i>Sebaea</i> (1/1)			
<i>ovata</i> (Labill.) R.Br.	c. 27	–	Beuzenberg & Hair 1983: 14. [<i>S. cf. ovata</i> in Druce 1993]

Taxon	<i>n</i>	<i>2n</i>	Reference
GERANIACEAE			
<i>Geranium</i> (3/7)			
<i>microphyllum</i> Hook.f.	—	52–54	Dawson & Beuzenberg 2000: 5, 13
<i>sessiliflorum</i> subsp. <i>novaezelandiae</i> Carolin	—	52	Dawson & Beuzenberg 2000: 5, 13
<i>traversii</i> Hook.f.	14	—	Warburg 1938: 150; as <i>G. traversii</i> var. <i>elegans</i>
<i>traversii</i> Hook.f.	—	52–54	Dawson & Beuzenberg 2000: 5, 13
(indet.)	—	54–56	Dawson & Beuzenberg 2000: 5, 13
<i>Pelargonium</i> (1/1)			
<i>inodorum</i> Willd.	11	—	Hair & Beuzenberg 1960: 433
GESNERIACEAE			
<i>Rhabdothamnus</i> (1/1)			
<i>solandri</i> A.Cunn.	37	—	Hair & Beuzenberg 1960: 433
<i>solandri</i> A.Cunn.	—	c. 74	Ratter 1962: 222, 225
GOODENIACEAE			
<i>Scaevola</i> (1/1)			
<i>gracilis</i> Hook.f.	—	48	Beuzenberg & Hair 1983: 14
<i>Selliera</i> (2/3)			
<i>radicans</i> Cav.	8	16	Hair & Beuzenberg 1960: 434
<i>rotundifolia</i> Heenan	—	16	M. I. Dawson in Heenan 1997: 135
<i>rotundifolia</i> Heenan	—	16	Dawson & Beuzenberg 2000: 5, 13
GRISELINIACEAE			
<i>Griselinia</i> (2/2)			
<i>littoralis</i> Raoul	—	36	Wanscher 1933: 387
<i>littoralis</i> Raoul	18	36	Hair & Beuzenberg 1959: 149
<i>lucida</i> G.Forst.	18	—	Hair & Beuzenberg 1959: 149
GUNNERACEAE			
<i>Gunnera</i> (5/5)			
<i>densiflora</i> Hook.f.	—	34	Beuzenberg & Hair 1963: 55
<i>dentata</i> Kirk	—	34	Beuzenberg & Hair 1963: 55
<i>dentata</i> Kirk	—	34	Beuzenberg & Hair 1963: 56; as <i>G. arenaria</i> . Erroneously cited as <i>2n</i> = 54 in Bolkhovskikh et al. 1969: 340
<i>hamiltonii</i> Kirk	—	34	Beuzenberg & Hair 1963: 56. Erroneously cited as <i>2n</i> = 54 in Bolkhovskikh et al. 1969: 340
<i>monoica</i> Raoul	—	34	Beuzenberg & Hair 1963: 55; as a complex of intergrading forms of <i>G. monoica</i> and <i>G. albocarpa</i>
<i>monoica</i> × <i>dentata</i>	—	34	Beuzenberg & Hair 1963: 55; as <i>G. strigosa</i> . Putative hybrid; see Webb et al. 1988: 750
<i>monoica</i> × <i>prorepens</i>	—	34	Beuzenberg & Hair 1963: 55; as <i>G. mixta</i> . Putative hybrid; see Webb et al. 1988: 750
<i>prorepens</i> Hook.f.	—	34	Beuzenberg & Hair 1963: 55; as <i>G. prorepens</i> and <i>G. flavida</i> . <i>G. flavida</i> is considered a yellow-fruited morph of <i>G. prorepens</i> ; see Webb et al. 1988: 750
HALORAGACEAE			
<i>Haloragis</i> (1/1)			
<i>erecta</i> (Murray) Oken subsp. <i>erecta</i>	7	—	J. B. Hair in Ashwin 1957: 116; as <i>H. erecta</i> and <i>H. colensoi</i>
<i>erecta</i> (Murray) Oken subsp. <i>erecta</i>	7	—	J. B. Hair in Forde 1964: 445; as <i>H. erecta</i>
<i>erecta</i> (Murray) Oken subsp. <i>erecta</i>	7	—	Beuzenberg & Hair 1983: 14; as <i>H. erecta</i>
HECTORELLACEAE			
<i>Hectorella</i> (1/1)			
<i>caespitosa</i> Hook.f.	—	96	E. J. Beuzenberg in Ehrendorfer 1976: 28; as <i>Hectorella</i> . Species name not stated
<i>caespitosa</i> Hook.f.	—	96	Beuzenberg & Hair 1983: 15

Table 1 (contd) DICOTYLEDONAE

Taxon	<i>n</i>	<i>2n</i>	Reference
ICACINACEAE			
<i>Pennantia</i> (2/2)			
<i>baylisiana</i> (W.R.B.Oliv.) G.T.S.Baylis	–	50	Murray & de Lange 1995: 564
<i>baylisiana</i> × <i>corymbosa</i>	–	50	Murray & de Lange 1995: 564. Artificial hybrid
<i>corymbosa</i> J.R.Forst. et G.Forst.	25	–	Hair & Beuzenberg 1959: 150
<i>corymbosa</i> J.R.Forst. et G.Forst.	–	50	Murray & de Lange 1995: 564
LAMIACEAE (LABIATAE)			
<i>Mentha</i> (1/1)			
<i>cunninghamii</i> Benth. in DC.	36	–	Hair & Beuzenberg 1960: 434
<i>cunninghamii</i> Benth. in DC.	–	72	Chambers & Hummer 1994: 425–426
<i>Plectranthus</i> (1/1)			
<i>parviflorus</i> Willd.	–	34	Murray & de Lange 1999: 512, 516
<i>Scutellaria</i> (1/1)			
<i>novae-zelandiae</i> Hook.f.	30	–	Hair & Beuzenberg 1960: 434
LAURACEAE			
<i>Beilschmiedia</i> (2/3)			
<i>tarairi</i> (A.Cunn.) Benth. et Hook.f. ex Kirk	12	24	Hair & Beuzenberg 1960: 434
<i>tawa</i> (A.Cunn.) Benth. et Hook.f. ex Kirk	12	–	Hair & Beuzenberg 1960: 434
LINACEAE			
<i>Linum</i> (1/1)			
<i>monogynum</i> G.Forst.	c. 43	c. 86	Kikuchi 1929: 204
<i>monogynum</i> G.Forst.	42	–	Hair & Beuzenberg 1959: 150
LOBELIACEAE			
<i>Hypsela</i> (1/1)			
<i>rivalis</i> E.Wimm.	7	14	Beuzenberg & Hair 1959: 532; as <i>Isotoma fluviatilis</i>
<i>rivalis</i> E.Wimm.	–	14	Beuzenberg & Hair 1983: 15
<i>Isotoma</i> (1/1)			
<i>fluviatilis</i> (R.Br.) F.Muell. ex Benth.	–	28	Beuzenberg & Hair 1983: 15
<i>Lobelia</i> (3/3)			
<i>anceps</i> L.f.	7	14	Beuzenberg & Hair 1959: 532
<i>linnaeoides</i> (Hook.f.) Petrie	7	–	Beuzenberg & Hair 1959: 532
<i>roughii</i> Hook.f.	–	14	Beuzenberg & Hair 1959: 532
<i>Pratia</i> (5/5)			
<i>angulata</i> (G.Forst.) Hook.f. agg.	35	–	Beuzenberg & Hair 1959: 532
<i>angulata</i> (G.Forst.) Hook.f. agg.	–	70, 140	Murray & Cameron 1990: 7
<i>angulata</i> (G.Forst.) Hook.f. agg.	–	70, 140	Murray et al. 1992: 182
aff. <i>angulata</i>	–	70	Murray & Cameron 1990: 7. [<i>P.</i> "Woodhill" in Druce 1993 and Cameron et al. 1995]
<i>angulata</i> × <i>perpusilla</i>	–	77, 91	Murray & Cameron 1990: 8. Putative hybrids
<i>angulata</i> × <i>perpusilla</i>	–	77, 91	Murray et al. 1992: 182. Putative hybrids
<i>arenaria</i> Hook.f.	35	–	Beuzenberg & Hair 1959: 532
<i>arenaria</i> Hook.f.	–	70	Murray & Cameron 1990: 7
<i>arenaria</i> Hook.f.	–	70	Murray et al. 1992: 182
<i>macrodon</i> Hook.f.	7	14	Beuzenberg & Hair 1959: 532
<i>macrodon</i> Hook.f.	–	14	Murray & Cameron 1990: 7
<i>macrodon</i> Hook.f.	–	14	Murray et al. 1992: 182
<i>perpusilla</i> Hook.f.	21	–	Beuzenberg & Hair 1959: 532
<i>perpusilla</i> Hook.f.	–	42	Murray & Cameron 1990: 7
<i>perpusilla</i> Hook.f.	–	42	Murray et al. 1992: 182

Taxon	<i>n</i>	<i>2n</i>	Reference
<i>physaloides</i> (A.M.Cunn.) Hemsl.	13	26	Beuzenberg & Hair 1959: 532; as <i>Colensoa physaloides</i>
<i>physaloides</i> (A.M.Cunn.) Hemsl.	—	26	Murray et al. 1992: 182
LOGANIACEAE			
<i>Geniostoma</i> (1/1)			
<i>rupestre</i> var. <i>ligustrifolium</i> (A.Cunn.) B.J.Conn	—	40	Gadella 1963: 266; as <i>G. ligustrifolium</i>
<i>rupestre</i> var. <i>ligustrifolium</i> (A.Cunn.) B.J.Conn	20	—	Hair 1963b: 245; as <i>G. ligustrifolium</i>
<i>rupestre</i> var. <i>ligustrifolium</i> (A.Cunn.) B.J.Conn	—	40	Murray & de Lange 1999: 512, 516; as <i>G. ligustrifolium</i> var. <i>crassum</i> , <i>G. ligustrifolium</i> var. <i>ligustrifolium</i> , and <i>G. ligustrifolium</i> var. <i>maius</i>
LORANTHACEAE			
<i>Alepis</i> (1/1)			
<i>flavida</i> (Hook.f.) Tiegh.	12	—	Barlow 1966: 428
<i>flavida</i> (Hook.f.) Tiegh.	—	24	Beuzenberg & Groves 1974: 213
<i>Ileostylus</i> (1/1)			
<i>micranthus</i> (Hook.f.) Tiegh.	11	—	Barlow 1966: 449
<i>micranthus</i> (Hook.f.) Tiegh.	11	22	Beuzenberg & Groves 1974: 213
<i>Peraxilla</i> (2/2)			
<i>colensoi</i> (Hook.f.) Tiegh.	—	24	Beuzenberg & Groves 1974: 213
<i>tetrapetala</i> (L.f.) Tiegh.	12	—	Barlow 1966: 430
<i>tetrapetala</i> (L.f.) Tiegh.	—	24	Beuzenberg & Groves 1974: 213
<i>Tupeia</i> (1/1)			
<i>antarctica</i> (G.Forst.) Cham. et Schltld.	11	—	J. B. Hair in Barlow & Wiens 1971: 304
<i>antarctica</i> (G.Forst.) Cham. et Schltld.	12	24	Beuzenberg & Groves 1974: 213
MALVACEAE			
<i>Hibiscus</i> (1/1)			
<i>diversifolius</i> Jacq.	72	—	Menzel & Wilson 1969: 95
<i>Hoheria</i> (3/5)			
<i>angustifolia</i> Raoul	21	—	Groves & Hair 1971: 570
<i>lyallii</i> Hook.f.	21	—	Groves & Hair 1971: 570; as <i>H. lyallii</i> and <i>H. glabrata</i>
<i>populnea</i> A.Cunn.	—	42	J. B. Hair in Bates & Blanchard 1970: 928
<i>populnea</i> A.Cunn.	21	—	Groves & Hair 1971: 570; as <i>H. populnea</i> var. <i>populnea</i> and <i>H. sexstylosa</i>
aff. <i>populnea</i>	—	42	Murray & de Lange 1999: 512, 516. [<i>H. populnea</i> var. in Druce 1980; <i>H. populnea</i> (Poor Knights form) in Eagle 1982]
aff. <i>sexstylosa</i>	—	42	Murray & de Lange 1999: 512, 516. [<i>H. ovata</i> var. in Druce 1980; <i>H. sp.</i> (a) in Eagle 1982; <i>H. "Taranua"</i> in Druce 1993]
<i>Plagianthus</i> (2/2)			
<i>divaricatus</i> J.R.Forst. et G.Forst.	21	—	J. B. Hair in Bates & Blanchard 1970: 928
<i>divaricatus</i> J.R.Forst. et G.Forst.	21	—	Groves & Hair 1971: 570
<i>regius</i> (Poit.) Hochr.	21	42	Groves & Hair 1971: 570; as <i>P. betulinus</i>
MELIACEAE			
<i>Dysoxylum</i> (1/1)			
<i>spectabile</i> (G.Forst.) Hook.f.	42	—	Beuzenberg & Hair 1963: 56
MONIMIACEAE			
<i>Hedycarya</i> (1/1)			
<i>arborea</i> J.R.Forst. et G.Forst.	57	—	Hair & Beuzenberg 1959: 150
<i>Laurelia</i> (1/1)			
<i>novae-zelandiae</i> A.Cunn.	22	—	Hair & Beuzenberg 1959: 150
MORACEAE			
<i>Streblus</i> (3/3)			
<i>banksii</i> (Cheeseman) C.J.Webb	—	28	Dawson 1995a: 479, 482

Table 1 (contd) DICOTYLEDONAE

Taxon	<i>n</i>	<i>2n</i>	Reference
MORACEAE (contd)			
<i>heterophyllus</i> (Blume) Corner	14	–	Rattenbury 1957: 937; as <i>Paratrophis microphylla</i>
<i>smithii</i> (Cheeseman) Corner	–	28	Dawson 1995a: 479, 482
MYOPORACEAE			
<i>Myoporum</i> (1/2)			
<i>laetum</i> var. <i>decumbens</i> G.Simpson	54	–	Hair & Beuzenberg 1959: 150
<i>laetum</i> G.Forst. var. <i>laetum</i>	54	–	Hair & Beuzenberg 1959: 150
MYRSINACEAE			
<i>Elingamita</i> (1/1)			
<i>johnsonii</i> G.T.S.Baylis	–	46	Dawson 1995a: 479, 482
<i>Myrsine</i> (9/9)			
<i>argentea</i> Heenan et de Lange	–	46	B. G. Murray in Heenan & de Lange 1998: 383. [<i>M. divaricata</i> form (ii) in Eagle 1982; <i>M.</i> "Burnett" in Druce 1993 and Cameron et al. 1995]
<i>argentea</i> Heenan et de Lange	–	46	Murray & de Lange 1999: 512, 517. [<i>M. divaricata</i> form (ii) in Eagle 1982; <i>M.</i> "Burnett" in Druce 1993 and Cameron et al. 1995]
<i>australis</i> (A.Rich.) Allan	–	46	Beuzenberg & Hair 1983: 15
<i>chathamica</i> F.Muell.	–	46	Dawson 1995a: 479, 482
<i>coxii</i> Cockayne	–	46	Beuzenberg & Hair 1983: 15
<i>divaricata</i> A.Cunn.	23	–	Beuzenberg & Hair 1983: 15
<i>divaricata</i> A.Cunn.	–	46	Murray & de Lange 1999: 512, 517
aff. <i>divaricata</i>	–	46	Murray & de Lange 1999: 512, 517. [<i>M. divaricata</i> var. (i) in Druce 1980; <i>M. divaricata</i> form (i) in Eagle 1982; <i>M.</i> "Poor Knights" in Druce 1993 and Cameron et al. 1995]
<i>kermadecensis</i> Cheeseman	–	46	Beuzenberg & Hair 1983: 15
<i>nummularia</i> Hook.f.	23	–	Beuzenberg & Hair 1983: 15
<i>oliveri</i> Allan	–	46	Dawson 1995a: 479, 482
<i>salicina</i> Heward ex Hook.f.	23	–	Beuzenberg & Hair 1983: 15
MYRTACEAE			
<i>Kunzea</i> (2/2)			
<i>ericoides</i> (A.Rich.) Joy Thomps.	–	22	Dawson 1987: 368
<i>sinclairii</i> (Kirk) W.Harris	–	22	Dawson 1987: 368
<i>sinclairii</i> × <i>Leptospermum scoparium</i> (× <i>Kunzpermum hirakimata</i> 'Karo Hobson Choice')	–	22	Harris et al. 1992: 223. Intergeneric hybrid; see Harris 1993: 10–12
<i>Leptospermum</i> (1/1)			
<i>scoparium</i> J.R.Forst. et G.Forst.	–	22	Dawson 1987: 368
<i>scoparium</i> J.R.Forst. et G.Forst.	–	22	Dawson 1990: 15
<i>scoparium</i> 'Aurora'	–	22	Dawson 1990: 15. Ornamental cultivar
<i>scoparium</i> 'Fascination'	–	22	Dawson 1990: 15. Ornamental cultivar
<i>scoparium</i> 'Helene Strybing'	–	33	Dawson 1990: 15. Ornamental cultivar
<i>scoparium</i> 'Keatleyi'	–	44	Dawson 1990: 15. Ornamental cultivar
<i>scoparium</i> 'Keatleyi'	–	44	Dawson 1995b: 106. Ornamental cultivar
<i>scoparium</i> 'Keatleyi' seedlings	–	44	Dawson 1990: 15
<i>scoparium</i> 'Keatleyi' seedlings	–	(33), c. 44, 44	Dawson 1995b: 106–107
<i>scoparium</i> 'Lambethii'	–	33	Dawson 1995b: 106. Ornamental cultivar
<i>scoparium</i> 'Martinii'	–	33	Dawson 1990: 15. Ornamental cultivar
<i>scoparium</i> 'Martinii' seedlings	–	22, 23?	Dawson 1995b: 106
<i>scoparium</i> 'Nanum Kea' × 'Keatleyi'	–	22	Dawson 1995b: 106. Putative hybrids
<i>scoparium</i> 'Nichollsii'	–	22	Dawson 1990: 15. Ornamental cultivar
<i>scoparium</i> 'Pink Cascade'	–	22	Dawson 1995b: 106. Ornamental cultivar
<i>scoparium</i> 'Pink Champagne'	–	22	Dawson 1990: 15. Ornamental cultivar
<i>scoparium</i> 'Rose Gem'	–	22	Dawson 1995b: 106. Ornamental cultivar

Taxon	<i>n</i>	<i>2n</i>	Reference
<i>scoparium</i> 'Sandersii'	11	—	Smith-White 1948: 18; as <i>L. sandersi</i> (Hort.). Ornamental cultivar
<i>scoparium</i> 'Wiri Clare'	—	22–24	Dawson 1995b: 106. Ornamental cultivar
<i>scoparium</i> 'Wiri Lesley'	—	22	Dawson 1995b: 106. Ornamental cultivar
<i>scoparium</i> 'Wiri Susan'	—	22	Dawson 1995b: 106. Ornamental cultivar
Lophomyrtus (2/2)			
<i>bullata</i> Burret	—	22	Dawson 1987: 368
<i>bullata</i> × <i>obcordata</i>	—	22	Dawson 1987: 368. Putative hybrid
<i>obcordata</i> (Raoul) Burret	—	22	Dawson 1987: 368
Metrosideros (12/12)			
<i>albiflora</i> Sol. ex Gaertn.	—	22	Dawson 1987: 368
<i>bartlettii</i> J.W.Dawson	—	22	Dawson 1987: 368
<i>carminea</i> W.R.B.Oliv.	—	22	Dawson 1987: 368
<i>colensoi</i> Hook.f.	—	22	Dawson 1987: 368
<i>diffusa</i> (G.Forst.) Sm.	—	22	Moussel 1965: 100, 120
<i>diffusa</i> (G.Forst.) Sm.	—	22	Dawson 1987: 368
<i>excelsa</i> Sol. ex Gaertn.	—	22	Moussel 1965: 100, 120; as <i>M. tomentosa</i>
<i>excelsa</i> Sol. ex Gaertn.	—	22	Dawson 1987: 368
<i>excelsa</i> × <i>robusta</i>	—	22	Dawson 1987: 368. Putative hybrid
<i>fulgens</i> Sol. ex Gaertn.	—	22	Dawson 1987: 368
<i>kermadecensis</i> W.R.B.Oliv.	—	22	Dawson 1987: 368
<i>parkinsonii</i> Buchanan	—	22	Dawson 1987: 368
<i>perforata</i> (J.R.Forst. et G.Forst.) A.Rich.	—	22	Dawson 1987: 368
<i>robusta</i> A.Cunn.	—	22	Dawson 1987: 368
<i>umbellata</i> Cav.	—	22	Dawson 1987: 368
Neomyrtus (1/1)			
<i>pedunculata</i> (Hook.f.) Allan	—	22	Dawson 1987: 368
Syzygium (1/1)			
<i>maire</i> (A.Cunn.) Sykes et Garn.-Jones	—	22	Dawson 1987: 368
NOTHOFAGACEAE			
Nothofagus (3/4)			
<i>fusca</i> (Hook.f.) Oerst.	13	—	Armstrong 1964: 28–36
<i>fusca</i> (Hook.f.) Oerst.	13	—	Armstrong & Wylie 1965: 1341
<i>menziesii</i> (Hook.f.) Oerst.	13	26 or 28	Armstrong 1964: 18, 28–36
<i>menziesii</i> (Hook.f.) Oerst.	13	—	Armstrong & Wylie 1965: 1341
<i>solandri</i> var. <i>cliffortioides</i> (Hook.f.) Poole	13	—	Armstrong 1964: 28–36
<i>solandri</i> var. <i>cliffortioides</i> (Hook.f.) Poole	13	—	Armstrong & Wylie 1965: 1341
OLEACEAE			
Nestegis (4/4)			
<i>apetala</i> (M.Vahl) L.A.S.Johnson	—	46	Dawson 1995a: 479, 482
<i>cunninghamii</i> (Hook.f.) L.A.S.Johnson	—	46	Dawson 1995a: 479, 482
<i>lanceolata</i> (Hook.f.) L.A.S.Johnson	—	46	Dawson 1995a: 479, 482
<i>montana</i> (Hook.f.) L.A.S.Johnson	—	46	Briggs 1970a: 127
<i>montana</i> (Hook.f.) L.A.S.Johnson	—	46	Dawson 1995a: 479, 482
ONAGRACEAE			
Epilobium (37/38)			
<i>alsinoides</i> A.Cunn. subsp. <i>alsinoides</i>	18	—	Hair 1942: 272; as <i>E. alsinoides</i> and <i>E. cockayneum</i>
<i>alsinoides</i> A.Cunn. subsp. <i>alsinoides</i>	—	36	Hair 1977: 5
<i>alsinoides</i> subsp. <i>atriplicifolium</i> (A.Cunn.) P.H.Raven et Engelhorn	18	36	Hair 1977: 5
<i>alsinoides</i> subsp. <i>tenuipes</i> (Hook.f.) P.H.Raven et Engelhorn	—	36	Hair 1977: 5–6
<i>angustum</i> (Cheeseman) P.H.Raven et Engelhorn	—	36	Hair 1977: 6
<i>astonii</i> (Allan) P.H.Raven et Engelhorn	—	36	Hair 1977: 6
<i>billardiereanum</i> (Ser.) DC. subsp. <i>billardiereanum</i>	18	36	Hair 1977: 7

Table 1 (*contd*) DICOTYLEDONAE

Taxon	<i>n</i>	<i>2n</i>	Reference
ONAGRACEAE (<i>contd</i>)			
<i>billardiereanum</i> subsp. <i>cinereum</i> (A.Rich.)			
P.H.Raven et Engelhorn	18	36	Hair 1977: 7
<i>billardiereanum</i> × ?	18	–	Hair 1942: 272; as <i>E. billardiereanum</i> , atypical. Putative hybrid
<i>brevipes</i> Hook.f.	–	36	Hair 1977: 7
<i>brunnescens</i> (Cockayne) P.H.Raven et			
Engelhorn subsp. <i>brunnescens</i>	18	36	Hair 1977: 7
<i>brunnescens</i> subsp. <i>minutiflorum</i> (Cockayne)			
P.H.Raven et Engelhorn	–	36	Hair 1977: 7
<i>chionanthum</i> Hausskn.	18	36	Hair 1977: 7–8
<i>chlorifolium</i> Hausskn.	18	–	Hair 1942: 272
<i>chlorifolium</i> Hausskn.	18	36	Hair 1977: 8
<i>confertifolium</i> Hook.f.	18	36	Hair 1977: 8
<i>crassum</i> Hook.f.	18	–	Hair 1942: 272
<i>crassum</i> Hook.f.	18	36	Hair 1977: 8
<i>forbesii</i> Allan	–	36	Hair 1977: 8
<i>glabellum</i> G.Forst.	18	–	Hair 1942: 272
<i>glabellum</i> G.Forst.	18	36	Hair 1977: 8–9
<i>gracilipes</i> Kirk	18	36	Hair 1977: 9
<i>gunnianum</i> Hausskn.	–	36	Hair 1977: 9
<i>hectorii</i> Hausskn.	18	–	Michaelis 1925: 62
<i>hectorii</i> Hausskn.	18	36	Hair 1977: 9
<i>hirtigerum</i> A.Cunn.	–	36	Hair 1977: 9
<i>hirtigerum</i> ?	18	–	Hair 1942: 272; as <i>E. junceum</i> . Identity uncertain
<i>insulare</i> Hausskn.	18	36	Hair 1977: 9
<i>komarovianum</i> H.Lév.	18	36	Hair 1977: 9–10
<i>macropus</i> Hook.	18	36	Hair 1977: 10
<i>margaretiae</i> Brockie	–	36	Hair 1977: 10
<i>matthewsii</i> Petrie	–	36	Hair 1977: 10
<i>melanocaulon</i> Hook.	18	36	Hair 1977: 10
aff. <i>melanocaulon</i>	18	–	Hair 1942: 272; as <i>E. sp.</i> , affinities with <i>E. melanocaulon</i>
<i>microphyllum</i> A.Rich.	18	–	Hair 1942: 272
<i>microphyllum</i> A.Rich.	18	36	Hair 1977: 10
<i>nerteroides</i> A.Cunn.	18	–	Moore 1960: 187. Possibly referable to <i>E. komarovianum</i> ; see Webb et al. 1988: 897, 899
<i>nerteroides</i> A.Cunn.	–	36	Raven & Moore 1964: 36. Counted from material naturalised in Great Britain. Possibly referable to <i>E. komarovianum</i> ; see Webb et al. 1988: 897, 899
<i>nerteroides</i> A.Cunn.	18	36	Hair 1977: 10–11. Possibly referable to <i>E. komarovianum</i> ; see Webb et al. 1988: 897, 899
<i>nerteroides</i> × <i>pedunculare</i> ?	18	–	Hair 1942: 272. Putative hybrid
<i>nummularifolium</i> A.Cunn.	18	–	Hair 1942: 272
<i>nummularifolium</i> A.Cunn.	18	36	Hair 1977: 11
<i>pallidiflorum</i> A.Cunn.	18	–	Hair 1942: 272
<i>pallidiflorum</i> A.Cunn.	18	36	Hair 1977: 11
<i>pedunculare</i> A.Cunn.	18	–	Hair 1942: 272
<i>pedunculare</i> A.Cunn.	18	–	Moore 1960: 187; as <i>E. linnaeoides</i>
<i>pedunculare</i> A.Cunn.	18	36	Hair 1977: 11
<i>pedunculare</i> × <i>rotundifolium</i> ?	18	–	Hair 1942: 272; as <i>E. linnaeoides</i> × <i>rotundifolium</i> ? Putative hybrid
<i>pernitens</i> Cockayne et Allan	18	36	Hair 1977: 11
<i>pictum</i> Petrie	18	–	Hair 1942: 272
<i>pictum</i> Petrie	18	36	Hair 1977: 11
<i>porphyrium</i> G.Simpson	18	36	Hair 1977: 11
<i>pubens</i> A.Rich.	18	–	Hair 1942: 272
<i>pubens</i> A.Rich.	18	36	Hair 1977: 11–12
<i>purpuratum</i> Hook.f.	–	36	Hair 1977: 12
<i>pyncnostachyum</i> Hausskn.	–	36	Hair 1977: 12

Taxon	<i>n</i>	<i>2n</i>	Reference
<i>rostratum</i> Cheeseman	–	36	Hair 1977: 12
<i>rotundifolium</i> G.Forst.	18	–	Hair 1942: 272
<i>rotundifolium</i> G.Forst.	18	36	Hair 1977: 12
<i>tasmanicum</i> Hausskn.	–	36	Hair 1977: 12
aff. <i>tasmanicum</i>	18	–	Hair 1942: 272; as <i>E. sp.</i> , affinities with <i>E. tasmanicum</i>
<i>wilsonii</i> Cheeseman	–	36	Hair 1977: 12
sp. ?	18	–	Hair 1942: 272; as <i>E. sp.</i> , affinities with <i>E. crassifolium</i> and <i>E. brevipes</i> . Identity uncertain
<i>Fuchsia</i> (3/3)			
<i>excorticata</i> (J.R.Forst. et G.Forst.) L.f.	11	–	Beuzenberg & Hair 1959: 533
<i>excorticata</i> × <i>perscandens</i> (<i>F. ×colensoi</i> Hook.f.)	–	22	Warth 1925: 230, 232; as <i>F. colensoi</i> . Putative hybrid; see Webb et al. 1988: 905–906
<i>excorticata</i> × <i>perscandens</i> (<i>F. ×colensoi</i> Hook.f.)	11	–	Beuzenberg & Hair 1959: 533; as <i>F. colensoi</i> . Putative hybrid; see Webb et al. 1988: 905–906
<i>perscandens</i> Cockayne et Allan	11	–	Beuzenberg & Hair 1959: 533
<i>procumbens</i> A.Cunn.	–	22	Warth 1925: 228, 232
<i>procumbens</i> A.Cunn.	11	22	Beuzenberg & Hair 1959: 533
<i>procumbens</i> A.Cunn.	11	–	Kurabayashi et al. 1962: 1005
<i>procumbens</i> × <i>excorticata</i>	11 _{II}	–	
<i>procumbens</i> × <i>perscandens</i>	2 _I +10 _{II}	–	E. J. Beuzenberg in Godley & Berry 1995: 493, 495. Artificial hybrid
	11 _{II}	–	E. J. Beuzenberg in Godley & Berry 1995: 493, 495. Artificial hybrid
OXALIDACEAE			
<i>Oxalis</i> (1/3)			
<i>magellanica</i> G.Forst.	10	–	Beuzenberg & Hair 1983: 15; as <i>O. lactea</i>
aff. <i>rubens</i>	–	24	Murray & de Lange 1999: 513, 517. [<i>O.</i> “scree” in Druce 1993]
PASSIFLORACEAE			
<i>Passiflora</i> (1/1)			
<i>tetrandra</i> DC.	12	–	Hair & Beuzenberg 1959: 150; as <i>Tetrapathaea tetrandra</i>
PIPERACEAE (including PEPEROMIACEAE)			
<i>Macropiper</i> (2/2)			
<i>excelsum</i> (G.Forst.) Miq. subsp. <i>excelsum</i>	13	–	Beuzenberg & Hair 1983: 15; as <i>M. excelsum</i>
<i>excelsum</i> subsp. <i>peltatum</i> forma <i>delangei</i> R.O.Gardner	–	26	Murray & de Lange 1999: 513, 517
<i>excelsum</i> subsp. <i>peltatum</i> forma <i>peltatum</i> R.O.Gardner	–	26	B. G. Murray in Gardner 1997: 299, 302
<i>excelsum</i> subsp. <i>peltatum</i> forma <i>peltatum</i> R.O.Gardner	–	26	Murray & de Lange 1999: 513, 517
<i>excelsum</i> subsp. <i>psittacorum</i> (Endl.) Sykes	–	26	Murray & de Lange 1999: 513, 517
<i>melchior</i> Sykes	–	26	B. G. Murray in Gardner 1997: 299, 304
<i>melchior</i> Sykes	–	26	Murray & de Lange 1999: 513, 517
<i>Peperomia</i> (2/3)			
<i>tetraphylla</i> (G.Forst.) Hook. et Arn.	–	44	Murray & de Lange 1999: 513, 517
<i>urvilleana</i> A.Rich.	22	–	Beuzenberg & Hair 1983: 15
aff. <i>urvilleana</i>	–	44	Murray & de Lange 1999: 513, 517. [<i>P.</i> “purple vein” in Druce 1993 and Cameron et al. 1995]
PITTIOSPORACEAE			
<i>Pittosporum</i> (11/c. 24)			
<i>anomalum</i> Laing et Gourlay	–	24	Rattenbury 1957: 937
<i>colensoi</i> Hook.f.	–	24	Rattenbury 1957: 937
<i>crassifolium</i> Banks et Sol. ex A.Cunn.	–	24	Gros 1965: 68
<i>crassifolium</i> Banks et Sol. ex A.Cunn.	–	24	Beuzenberg & Hair 1983: 15
<i>divaricatum</i> Cockayne	–	24	Rattenbury 1957: 937
<i>ellipticum</i> Kirk subsp. <i>ellipticum</i>	–	24	Rattenbury 1957: 937; as <i>P. ellipticum</i>
<i>eugenioides</i> A.Cunn.	–	24	Gros 1965: 68
<i>eugenioides</i> A.Cunn.	–	24	Beuzenberg & Hair 1983: 15

Table 1 (contd) DICOTYLEDONAE

Taxon	<i>n</i>	<i>2n</i>	Reference
PITTIOSPORACEAE (contd)			
<i>kirkii</i> Hook.f.	–	24	Dawson 1995a: 479, 482
<i>lineare</i> Laing et Gourlay	–	24	Rattenbury 1957: 937
<i>tenuifolium</i> Sol.ex Gaertn.	–	24	Beuzenberg & Hair 1983: 15
<i>tenuifolium</i> 'Purpureum'	–	24	Rattenbury 1957: 937; as <i>P. tenuifolium</i> var. <i>purpureum</i> (Horticultural variety). Ornamental cultivar
<i>umbellatum</i> Banks et Sol. ex Gaertn.	–	24	Rattenbury 1957: 937
<i>virgatum</i> var. <i>matthewsii</i> (Petrie) Allan	–	24	Rattenbury 1957: 937; as <i>P. matthewsii</i>
PLANTAGINACEAE			
<i>Plantago</i> (7/8)			
<i>lanigera</i> Hook.f.	–	12	Groves & Hair 1971: 570; as <i>P. lanigera</i> and <i>P. "novae-zelandiae</i> diploid"
<i>lanigera</i> ?	–	12	D. M. Moore in Smith-White 1959: 285–286; as <i>P. cf. brownii</i> . Identity uncertain
aff. <i>lanigera</i>	–	24	Rattenbury 1957: 938; as <i>P. brownii</i>
aff. <i>lanigera</i>	–	24	Groves & Hair 1971: 571; as <i>P. "novae-zelandiae"</i>
aff. <i>lanigera</i>	–	24	Groves & Hair 1971: 571; as <i>P. "novae-zelandiae</i> tetraploid". [<i>P. "novae-zelandiae</i> small" in Druce 1993]
<i>obconica</i> Sykes	–	12	Dawson 1989: 164
<i>raoulii</i> Decne. in DC.	–	c. 48	Rattenbury 1957: 938
<i>raoulii</i> Decne. in DC.	–	48	Rahn 1966: 127
<i>raoulii</i> Decne. in DC.	–	48	Groves & Hair 1971: 571
<i>raoulii</i> ?	–	18	McCullagh 1934: 5; as <i>P. raoulii</i> . Count or identity uncertain
<i>spathulata</i> subsp. <i>picta</i> (Colenso) Sykes	–	48	Groves & Hair 1971: 571; as <i>P. picta</i>
<i>spathulata</i> Hook.f. subsp. <i>spathulata</i>	–	48	Rahn 1957: 370; as <i>P. spathulata</i>
<i>spathulata</i> Hook.f. subsp. <i>spathulata</i>	24	–	Rattenbury 1957: 938; as <i>P. spathulata</i>
<i>spathulata</i> Hook.f. subsp. <i>spathulata</i>	24	48	Groves & Hair 1971: 571; as <i>P. spathulata</i>
<i>triandra</i> subsp. <i>masoniae</i> (Cheeseman) Sykes	–	48	Groves & Hair 1971: 571; as <i>P. triandra</i> (CHR 200411)
<i>triandra</i> Berggr. subsp. <i>triandra</i>	24	–	Rattenbury 1957: 938; as <i>P. triandra</i>
<i>triandra</i> Berggr. subsp. <i>triandra</i>	–	48	Groves & Hair 1971: 571; as <i>P. triandra</i> (CHR 400410, CHR 400412–400415)
<i>triantha</i> Spreng.	–	12	Groves & Hair 1971: 571
<i>uniflora</i> Hook.f.	–	60	Groves & Hair 1971: 571
(indet.)	48	96	Groves & Hair 1971: 571; as <i>P. sp.</i> (16x). [<i>P. "Sylvester"</i> in Druce 1993]
POLYGONACEAE			
<i>Muehlenbeckia</i> (5/5)			
<i>astonii</i> Petrie	–	20	Beuzenberg & Hair 1983: 15
<i>astonii</i> Petrie	–	20	Dawson 1995a: 479, 483
<i>australis</i> (G.Forst.) Meisn.	–	20	Beuzenberg & Hair 1983: 15
<i>axillaris</i> (Hook.f.) Walp.	–	20	Beuzenberg & Hair 1983: 15
<i>complexa</i> (A.Cunn.) Meisn.	–	20	Jaretsky 1928: 440, 480
<i>complexa</i> (A.Cunn.) Meisn.	–	20	Beuzenberg & Hair 1983: 15
aff. <i>complexa</i>	–	20	Dawson 1995a: 479, 483; as <i>M. cf. debilis</i>
<i>ephedroides</i> Hook.f.	–	20	Beuzenberg & Hair 1983: 15
<i>Polygonum</i> (1/1)			
<i>salicifolium</i> Willd. agg.	20	–	Beuzenberg & Hair 1983: 15; as <i>P. decipiens</i>
<i>Rumex</i> (2/2)			
<i>flexuosus</i> Spreng. in Biehler	10	–	Jaretsky 1927: 304
<i>flexuosus</i> Spreng. in Biehler	20	–	Hair & Beuzenberg 1960: 434
<i>flexuosus</i> Spreng. in Biehler	–	40	Ichikawa et al. 1971: 845
<i>flexuosus</i> Spreng. in Biehler	–	40	Degraeve 1975: 196
<i>neglectus</i> Kirk	20	40	Hair & Beuzenberg 1960: 434

Taxon	<i>n</i>	<i>2n</i>	Reference
PORTULACACEAE			
<i>Montia</i> (1/1)			
<i>fontana</i> L. subsp. <i>fontana</i>	—	20	Moore 1960: 187
<i>Neopaxia</i> (4/7)			
<i>calycina</i> ?	48	—	Beuzenberg & Hair 1983: 15; as <i>N. australasica</i> . [<i>N.</i> “calycina” in Druce 1993]
<i>campylostigma</i> Heenan	—	96	Nilsson 1966: 277–278; as <i>Paxia australasica</i> (ex Mt Egmont). See Heenan 1999: 218. [<i>N.</i> “water” in Druce 1993]
<i>campylostigma</i> Heenan	—	c. 90–96	M. I. Dawson in Heenan 1999: 218. [<i>N.</i> “water” in Druce 1993]
<i>campylostigma</i> Heenan	—	c. 90–96	Dawson & Beuzenberg 2000: 6, 14. [<i>N.</i> “water” in Druce 1993]
<i>erythrophylla</i> Heenan	—	c. 85	M. I. Dawson in Heenan 1999: 218
<i>erythrophylla</i> Heenan	—	c. 85	Dawson & Beuzenberg 2000: 6, 14
<i>lineariifolia</i> Heenan	—	c. 94	M. I. Dawson in Heenan 1999: 218. [<i>N.</i> “lacustrine” in Druce 1993]
<i>lineariifolia</i> Heenan	—	c. 94	Dawson & Beuzenberg 2000: 6, 14. [<i>N.</i> “lacustrine” in Druce 1993]
<i>sessiliflora</i> (G.Simpson) Heenan	—	c. 94	M. I. Dawson in Heenan 1999: 218
<i>sessiliflora</i> (G.Simpson) Heenan	—	c. 94	Dawson & Beuzenberg 2000: 6, 14
sp. ?	—	96	Nilsson 1966: 277–278; as <i>Paxia australasica</i> (ex Marlborough and Canterbury). See Heenan 1999: 218
PRIMULACEAE			
<i>Samolus</i> (1/1)			
<i>repens</i> (J.R.Forst. et G.Forst.) Pers. var. <i>repens</i>	26	—	Hair & Beuzenberg 1959: 151; as <i>S. repens</i> . Erroneously cited as <i>2n</i> = 26 in Bolkhovskikh et al. 1969: 595
<i>repens</i> var. <i>strictus</i> Cockayne	—	52	Murray & de Lange 1999: 513, 517
PROTEACEAE			
<i>Knightsia</i> (1/1)			
<i>excelsa</i> R.Br.	14	28	Hair & Beuzenberg 1959: 151
<i>Toronia</i> (1/1)			
<i>toru</i> (A.Cunn.) L.A.S.Johnson et B.G.Briggs	14	28	Hair & Beuzenberg 1959: 151; as <i>Persoonia toru</i>
RANUNCULACEAE			
<i>Anemone</i> (1/1)			
<i>tenuicaulis</i> (Cheeseman) Parkin et Sledge	—	28	Hair 1963b: 245
<i>Clematis</i> (8/8)			
<i>afoliata</i> Buchanan	—	16	Dawson 1993: 92
<i>cunninghamii</i> Turcz.	—	16	Dawson 1993: 92
<i>foetida</i> Raoul	—	16	Dawson 1993: 92
<i>forsteri</i> J.F.Gmel.	—	16	Godley 1949: 111; as <i>C. colensoi</i>
<i>forsteri</i> J.F.Gmel.	—	16	Beuzenberg & Hair 1983: 15; as <i>C. hookeriana</i>
<i>forsteri</i> J.F.Gmel.	—	16	Dawson 1993: 92
<i>marata</i> J.B.Armstr.	—	16	Dawson 1993: 92
<i>marmoraria</i> Sneddon	—	16	Sneddon 1975: 559
<i>marmoraria</i> Sneddon	—	16	Dawson 1993: 92
<i>paniculata</i> J.F.Gmel.	—	16	Hair 1942: 272; as <i>C. indivisa</i>
<i>paniculata</i> J.F.Gmel.	—	16	Dawson 1993: 92
<i>quadribacteolata</i> Colenso	—	16	Dawson 1993: 92
<i>Myosurus</i> (1/1)			
<i>minimus</i> subsp. <i>novae-zelandiae</i> (W.R.B.Oliv.) Garn.-Jones	—	16	Hair et al. 1967: 188; as <i>Myosurus novae-zelandiae</i>
<i>Psychrophila</i> (1/2)			
<i>novae-zelandiae</i> (Hook.f.) W.A.Weber	—	48	Beuzenberg & Hair 1983: 15; as <i>Caltha novae-zelandiae</i>
<i>Ranunculus</i> (37/40)			
<i>acaulis</i> DC.	—	48, 48+2	Hair 1983: 3

Table 1 (contd) DICOTYLEDONAE

Taxon	<i>n</i>	<i>2n</i>	Reference
RANUNCULACEAE (contd)			
<i>acaulis</i> DC.	–	48	Rendle & Murray 1989: 439
<i>altus</i> Garn.-Jones	–	48	Hair 1983: 3; as <i>R. hirtus</i> var. <i>hirtus</i> (CHR 101855)
<i>altus</i> Garn.-Jones	–	48	M. I. Dawson in Connor & Edgar 1987: 125
<i>altus</i> Garn.-Jones	–	48	Rendle & Murray 1989: 438
<i>altus</i> Garn.-Jones	–	48	Dawson & Beuzenberg 2000: 6, 15
<i>amphitrichus</i> Colenso	–	96	Hair 1983: 4; as <i>R. rivularis</i>
<i>amphitrichus</i> Colenso	–	96	Rendle & Murray 1989: 439
<i>amphitrichus</i> ?	–	96	Rendle & Murray 1989: 439; as <i>R. glabrifolius</i> (AKU 19873)
<i>biternatus</i> Sm. in Rees	–	48	Moore 1960: 187
<i>biternatus</i> Sm. in Rees	–	48	Hair 1983: 3
<i>brevis</i> Garn.-Jones	–	48	Hair 1983: 3; as <i>R. depressus</i> var. <i>depressus</i>
<i>buchananii</i> Hook.f.	–	48	J. B. Hair in Fisher 1965: 10–11
<i>carsei</i> Petrie	–	32	Rendle & Murray 1989: 438
<i>cheesemanii</i> Kirk	–	32	Hair 1983: 3
<i>cheesemanii</i> Kirk	–	32	Rendle & Murray 1989: 438
<i>crithmifolius</i> Hook.f.	–	48	J. B. Hair in Fisher 1965: 10–11; as <i>R. crithmifolius</i> subsp. <i>crithmifolius</i> and <i>R. crithmifolius</i> subsp. <i>paucifolius</i>
<i>crithmifolius</i> Hook.f.	–	48	Hair 1983: 3; as <i>R. crithmifolius</i> subsp. <i>crithmifolius</i> and <i>R. crithmifolius</i> subsp. <i>paucifolius</i>
<i>crithmifolius</i> Hook.f.	–	48	Rendle & Murray 1989: 439
<i>ensyii</i> Kirk	–	48	J. B. Hair in Fisher 1965: 10–11
<i>ensyii</i> Kirk	–	48, 48+1	Hair 1983: 3
<i>ensyii</i> Kirk	–	48	Rendle & Murray 1989: 439
aff. <i>ensyii</i>	–	32	Rendle & Murray 1989: 438; as <i>R. brevis</i> . [<i>R.</i> "Nevis", A. P. Druce pers. comm.]
<i>foliosus</i> Kirk	–	48	Rendle & Murray 1989: 438
aff. <i>foliosus</i>	–	48	Rendle & Murray 1989: 438; as <i>R.</i> "Burgoo" undescribed species. [Informal name in Druce 1993]
aff. <i>foliosus</i>	–	48	Dawson & Beuzenberg 2000: 6, 15. [<i>R.</i> "Burgoo" in Druce 1993]
<i>glabrifolius</i> Hook.	–	144	Rendle & Murray 1989: 439
<i>godleyanus</i> Hook.f.	–	48	J. B. Hair in Fisher 1965: 10–11
<i>godleyanus</i> Hook.f.	–	48	Hair 1983: 3
<i>gracilipes</i> Hook.f.	–	48	J. B. Hair in Fisher 1965: 10–11
<i>gracilipes</i> Hook.f.	–	48	Hair 1983: 3
<i>gracilipes</i> Hook.f.	–	48	Rendle & Murray 1989: 439
<i>haastii</i> Hook.f. subsp. <i>haastii</i>	–	48	J. B. Hair in Fisher 1965: 10–11
<i>haastii</i> Hook.f. subsp. <i>haastii</i>	–	48	Hair 1983: 3; as <i>R. haastii</i>
<i>insignis</i> Hook.f.	–	48	J. B. Hair in Fisher 1965: 10–11
<i>insignis</i> Hook.f.	–	48	Goepfert 1974: 477
<i>insignis</i> Hook.f.	–	48	Hair 1983: 4
<i>insignis</i> Hook.f.	–	48	Rendle & Murray 1989: 439
<i>kirkii</i> Petrie	–	48	Hair 1983: 4
<i>limosella</i> Kirk	–	48	Hair 1983: 4
<i>limosella</i> Kirk	–	48	Rendle & Murray 1989: 439
<i>lyallii</i> Hook.f.	–	48	J. B. Hair in Fisher 1965: 10–11
<i>lyallii</i> Hook.f.	–	48	N. Gregson in Goepfert 1974: 478
<i>lyallii</i> Hook.f.	–	48	Hair 1983: 4
<i>macropus</i> Hook.f.	–	96	Rendle & Murray 1989: 439
<i>maculatus</i> Cockayne et Allan	–	32	Rendle & Murray 1989: 438
<i>membranifolius</i> (Kirk) Garn.-Jones	–	32	Hair 1983: 3; as <i>R. hirtus</i> var. <i>stoloniferus</i>
<i>membranifolius</i> (Kirk) Garn.-Jones	–	32	Rendle & Murray 1989: 438
<i>mirus</i> Garn.-Jones	–	48	M. I. Dawson in Connor & Edgar 1987: 126
<i>mirus</i> Garn.-Jones	–	48	Rendle & Murray 1989: 438
<i>mirus</i> Garn.-Jones	–	48	Dawson & Beuzenberg 2000: 6, 15
<i>multiscapus</i> Hook.f.	–	16	Hair 1983: 4; as <i>R. lappaceus</i> complex sensu auct. N.Z.
<i>multiscapus</i> Hook.f.	–	16	Rendle & Murray 1989: 438
<i>multiscapus</i> Hook.f.	–	16, (32)	previously unpublished count, A. J. Watkins

Taxon	<i>n</i>	2 <i>n</i>	Reference
<i>multiscapus</i> ?	–	32	Hair 1983: 4; as <i>R. lappaceus</i> complex sensu auct. N.Z. Identity of the unvouchered 2 <i>n</i> = 32 plant uncertain
<i>nivicola</i> Hook.f.	–	96	J. B. Hair in Fisher 1965: 10–11, 52–53
<i>nivicola</i> Hook.f.	–	96	Hair 1983: 4
<i>pachyrrhizus</i> Hook.f.	–	48	J. B. Hair in Fisher 1965: 10–11
<i>pachyrrhizus</i> Hook.f.	–	48	Hair 1983: 4
<i>pachyrrhizus</i> Hook.f.	–	48	Rendle & Murray 1989: 439
<i>pinguis</i> Hook.f.	–	48	J. B. Hair in Fisher 1965: 10–11
<i>pinguis</i> Hook.f.	–	48	Hair 1983: 4
<i>recens</i> var. <i>lacustris</i> G.Simpson	–	32	Hair 1983: 4
<i>recens</i> var. <i>lacustris</i> G.Simpson	–	32	Murray & de Lange 1999: 513, 517
<i>recens</i> var. <i>lacustris</i> ?	–	48	Previously unpublished count, A. J. Watkins
<i>recens</i> Kirk var. <i>recens</i>	–	48	Hair 1983: 4
<i>recens</i> Kirk var. <i>recens</i>	–	48	Rendle & Murray 1989: 439
<i>recens</i> Kirk var. <i>recens</i>	–	48	Murray & de Lange 1999: 513, 517
<i>reflexus</i> Garn.-Jones	–	48	Hair 1983: 3; as <i>R. hirtus</i> var. <i>hirtus</i>
<i>reflexus</i> Garn.-Jones	–	48	Rendle & Murray 1989: 439
<i>reflexus</i> ?	–	48	Rendle & Murray 1989: 438; as <i>R.</i> “Chatham” undescribed species
<i>royi</i> G.Simpson	–	48	Rendle & Murray 1989: 439
<i>royi</i> ?	–	48	Rendle & Murray 1989: 439; as <i>R.</i> “Wye” undescribed species
<i>royi</i> ?	–	32	Hair 1983: 4; as <i>R. royi</i>
<i>sericophyllus</i> Hook.f.	–	48	J. B. Hair in Fisher 1965: 10–11
<i>sericophyllus</i> Hook.f.	–	48	Hair 1983: 4
<i>simulans</i> Garn.-Jones	–	32+1	Hair 1983: 3; as <i>R. depressus</i> var. <i>stewartiae</i>
<i>stylosus</i> H.D.Wilson et Garn.-Jones	–	32	Dawson & Beuzenberg 2000: 6, 15
<i>subscaposus</i> Hook.f.	–	48	Hair 1983: 4; as <i>R. subscaposus</i> , <i>R. subantarcticus</i> subsp. <i>campbellensis</i> , and <i>R. subantarcticus</i> subsp. <i>subantarcticus</i>
<i>ternatifolius</i> Kirk	–	32	Hair 1983: 4
<i>ternatifolius</i> Kirk	–	32	Rendle & Murray 1989: 438
<i>urvilleanus</i> Cheeseman	–	16	Rendle & Murray 1989: 438
<i>verticillatus</i> Kirk	–	48	J. B. Hair in Fisher 1965: 10–11
(indet.)	–	32	Rendle & Murray 1989: 438; as “Hope” undescribed species. [Informal name in Druce 1993 and Cameron et al. 1995; <i>R.</i> (a) in de Lange et al. 1999a]
(indet.)	–	48	Rendle & Murray 1989: 438; as <i>R.</i> “Peel” undescribed species. [Informal name in Druce 1993]
RHAMNACEAE			
<i>Discaria</i> (1/1)			
<i>toumatou</i> Raoul	11	–	Hair & Beuzenberg 1959: 151
<i>Pomaderris</i> (7/7)			
<i>apetala</i> subsp. <i>maritima</i> N.G.Walsh et F.Coates	–	36	Hair 1963b: 245; as <i>P. apetala</i>
<i>hamiltonii</i> L.B.Moore	–	36	Hair 1963b: 245
<i>hamiltonii</i> L.B.Moore	–	36	Harvey 1983: 68–113
<i>hamiltonii</i> L.B.Moore	–	36	Harvey & Braggins 1985: 152–153
<i>hamiltonii</i> L.B.Moore	–	36	Harvey & Rattenbury 1985: 322
<i>kumeraho</i> A.Cunn.	12, 12+f	–	Hair 1963b: 245
<i>kumeraho</i> A.Cunn.	12, 12+f	24	Harvey 1983: 68–113
<i>kumeraho</i> A.Cunn.	–	24	Harvey & Braggins 1985: 152–153
<i>kumeraho</i> A.Cunn.	12+f	24+f	Harvey & Rattenbury 1985: 322
<i>paniculosa</i> subsp. <i>novae-zelandiae</i> (L.B.Moore) N.G.Walsh	–	36	Hair 1963b: 245; as <i>P. oraria</i> var. <i>novae-zelandiae</i>
<i>paniculosa</i> subsp. <i>novae-zelandiae</i> (L.B.Moore) N.G.Walsh	–	36	Harvey 1983: 68–113; as <i>P. novae-zelandiae</i>
<i>phyllicifolia</i> var. <i>ericifolia</i> (Hook.) L.B.Moore	–	36	Hair 1963b: 245. See Walsh & Coates 1997: 53
<i>phyllicifolia</i> var. <i>ericifolia</i> (Hook.) L.B.Moore	–	36	Harvey 1983: 68–113; as <i>P. ericifolia</i> . See Walsh & Coates 1997: 53
<i>phyllicifolia</i> var. <i>ericifolia</i> (Hook.) L.B.Moore	–	36	Harvey & Braggins 1985: 152–153. See Walsh & Coates 1997: 53
<i>phyllicifolia</i> var. <i>ericifolia</i> (Hook.) L.B.Moore	–	36	Harvey & Rattenbury 1985: 322. See Walsh & Coates 1997: 53

Table 1 (contd) DICOTYLEDONAE

Taxon	n	2n	Reference
RHAMNACEAE (contd)			
<i>phylicifolia</i> var. <i>polifolia</i> (Reissek et F. Muell.) L.B.Moore	24+f	–	Hair 1963b: 245
<i>phylicifolia</i> var. <i>polifolia</i> (Reissek et F. Muell.) L.B.Moore	24	48	Harvey 1983: 68–113; as <i>P. phylicifolia</i>
<i>phylicifolia</i> var. <i>polifolia</i> (Reissek et F. Muell.) L.B.Moore	–	48	Harvey & Braggins 1985: 152–153
<i>phylicifolia</i> var. <i>polifolia</i> (Reissek et F. Muell.) L.B.Moore	24 (22–26)	48	Harvey & Rattenbury 1985: 322
<i>prunifolia</i> var. <i>edgerleyi</i> (Hook. f.) L.B.Moore	–	36, 37	Hair 1963b: 245
<i>prunifolia</i> var. <i>edgerleyi</i> (Hook. f.) L.B.Moore	–	37	Harvey 1983: 68–113; as <i>P. edgerleyi</i>
<i>prunifolia</i> var. <i>edgerleyi</i> (Hook. f.) L.B.Moore	–	37	Harvey & Rattenbury 1985: 322
<i>rugosa</i> Cheeseman	24	–	Hair 1963b: 245
<i>rugosa</i> Cheeseman	–	48	Harvey 1983: 68–113
<i>rugosa</i> Cheeseman	–	48	Harvey & Rattenbury 1985: 322
ROSACEAE			
<i>Acaena</i> (18/18)			
<i>anserinifolia</i> (J.R.Forst. et G.Forst.) J.B.Armstr.	–	42	J. W. Dawson in Moore 1960: 188
<i>anserinifolia</i> (J.R.Forst. et G.Forst.) J.B.Armstr.	21	–	Dawson 1960: 19
<i>anserinifolia</i> (J.R.Forst. et G.Forst.) J.B.Armstr.	–	c. 42	Beuzenberg & Hair 1983: 16; as <i>A. sp.</i> (4) aff. <i>anserinifolia</i>
<i>buchananii</i> Hook. f.	–	c. 42	Beuzenberg & Hair 1983: 15
<i>caesiiglauca</i> (Bitter) Bergmans	–	42	Beuzenberg & Hair 1983: 15
<i>dumicola</i> B.H.Macmill.	–	42	Beuzenberg & Hair 1983: 16; as <i>A. sp.</i> aff. <i>caesiiglauca</i>
<i>emittens</i> B.H.Macmill.	–	42	Beuzenberg & Hair 1983: 15; as <i>A. sp.</i> (1) aff. <i>anserinifolia</i>
<i>fissistipula</i> Bitter	–	42	Beuzenberg & Hair 1983: 15
<i>glabra</i> Buchanan	–	c. 84	Beuzenberg & Hair 1983: 15
<i>inermis</i> Hook. f.	–	c. 42	Beuzenberg & Hair 1983: 15
<i>juvenca</i> B.H.Macmill.	–	42	Beuzenberg & Hair 1983: 16; as <i>A. sp.</i> (3) aff. <i>anserinifolia</i>
<i>magellanica</i> (Lam.) M. Vahl	–	42	Moore 1960: 187; as <i>A. adscendens</i>
<i>microphylla</i> Hook. f. var. <i>microphylla</i>	–	c. 42	Beuzenberg & Hair 1983: 15; as <i>A. microphylla</i> var. <i>microphylla</i> and <i>A. microphylla</i> var. <i>pauciglochidiata</i>
<i>minor</i> var. <i>antarctica</i> (Cockayne) Allan	21	42	Moore 1960: 187; as <i>A. anserinifolia</i> var. <i>minor</i>
<i>minor</i> var. <i>antarctica</i> (Cockayne) Allan	–	42	Beuzenberg & Hair 1983: 15
<i>novae-zelandiae</i> Kirk	21	–	Dawson 1960: 18
<i>pallida</i> (Kirk) Allan	21	–	Dawson 1960: 23; as <i>A. novae-zelandiae</i> var. <i>pallida</i>
<i>profundeincisa</i> (Bitter) B.H.Macmill.	–	c. 42	Beuzenberg & Hair 1983: 16; as <i>A. sp.</i> (2) aff. <i>anserinifolia</i>
<i>rorida</i> B.H.Macmill.	–	42	Beuzenberg & Hair 1983: 16; as <i>A. sp.</i> aff. <i>microphylla</i> . See Macmillan 1991: 132
<i>saccaticupula</i> Bitter	–	126	Beuzenberg & Hair 1983: 15
<i>saccaticupula</i> Bitter	–	126	Dawson 1995a: 479, 483
<i>saccaticupula</i> ?	–	84?	J. W. Dawson in Moore 1964: 198; as <i>A. saccaticupula</i> . Count or identity uncertain
<i>tesca</i> B.H.Macmill.	–	42	Beuzenberg & Hair 1983: 16; as <i>A. sp.</i> aff. <i>buchananii</i> . See Macmillan 1991: 135
<i>Geum</i> (5/5)			
<i>cockaynei</i> (Bolle) Molloy et C.J.Webb	–	70	M. I. Dawson in Molloy & Webb 1994: 424
<i>cockaynei</i> (Bolle) Molloy et C.J.Webb	–	70	Dawson 1995a: 479, 483
<i>divergens</i> Cheeseman	–	70	M. I. Dawson in Molloy & Webb 1994: 426
<i>divergens</i> Cheeseman	–	70	Dawson 1995a: 479, 483
<i>leiospermum</i> Petrie	–	70	Dawson 1995a: 479, 483
<i>pusillum</i> Petrie	–	70	Dawson 1995a: 479, 483
<i>uniflorum</i> Buchanan	–	42	M. I. Dawson in Molloy & Webb 1994: 426
<i>uniflorum</i> Buchanan (indet.)	–	42	Dawson 1995a: 479, 483
	–	70	Dawson 1995a: 479, 483; as <i>G. sp.</i> (undescribed). [<i>G.</i> "southern" in Druce 1993]
<i>Potentilla</i> (1/1)			
<i>anserinoides</i> Raoul	–	28	Rousi 1965: 51
<i>anserinoides</i> Raoul	–	28	Hair & Beuzenberg 1968: 23

Taxon	<i>n</i>	<i>2n</i>	Reference
<i>Rubus</i> (1/5)			
<i>parvus</i> Buchanan	14	—	Beuzenberg & Hair 1983: 16
RUBIACEAE			
<i>Coprosma</i> (46/47)			
<i>acerosa</i> A.Cunn.	—	44	Fagerlind 1937: 273
<i>acerosa</i> A.Cunn.	22	44	Beuzenberg 1983: 9
<i>acutifolia</i> Hook.f.	—	44	Beuzenberg 1983: 9
<i>arborea</i> Kirk	—	44	Beuzenberg 1983: 9
<i>areolata</i> Cheeseman	22	—	Beuzenberg 1983: 9
<i>atropurpurea</i> (Cockayne et Allan) L.B.Moore	—	c. 220	Beuzenberg 1983: 9
<i>chathamica</i> Cockayne	—	132	Beuzenberg 1983: 9
<i>cheesemanii</i> W.R.B.Oliv.	—	88	Beuzenberg 1983: 9
aff. <i>cheesemanii</i>	—	132	Beuzenberg 1983: 10; as <i>C. sp. (o)</i> aff. <i>C. cheesemanii</i> . [Informal name in Eagle 1982; <i>C. "oreophila"</i> in Druce 1980, 1993]
<i>ciliata</i> Hook.f.	—	88	Beuzenberg 1983: 9
<i>colensoi</i> Hook.f.	—	88	Beuzenberg 1983: 9
aff. <i>colensoi</i>	—	44	Beuzenberg 1983: 9; as <i>C. crenulata</i> . [<i>C. sp. (d)</i> aff. <i>C. colensoi</i> in Eagle 1982; <i>C. "decipiens"</i> in Druce 1980, 1993]
aff. <i>colensoi</i>	—	44	Beuzenberg 1983: 10; as <i>C. sp. (d)</i> aff. <i>C. colensoi</i> . [Informal name in Eagle 1982; <i>C. "decipiens"</i> in Druce 1980, 1993]
<i>crassifolia</i> Colenso	—	132	Beuzenberg 1983: 9
<i>crenulata</i> W.R.B.Oliv.	—	44	Dawson 1989: 165
<i>cuneata</i> Hook.f.	—	44	Beuzenberg 1983: 9
<i>decurva</i> Heads	—	44	Beuzenberg 1983: 10; as <i>C. sp. (p)</i> (<i>C. parviflora</i> var. <i>dumosa</i> sensu Allan 1961). [Informal name in Eagle 1982; <i>C. "paludosa"</i> in Druce 1980, 1993; <i>C. sp. "little red fruit"</i> in Wilson 1982: 60 and Johnson & Brooke 1989: 252]
<i>depressa</i> Colenso ex Hook.f.	—	44	Beuzenberg 1983: 9
<i>dodonaefolia</i> W.R.B.Oliv.	—	44	Beuzenberg 1983: 9
<i>foetidissima</i> J.R.Forst. et G.Forst.	66	132	Beuzenberg 1983: 9
<i>grandifolia</i> Hook.f.	—	44	Beuzenberg 1983: 9
<i>intertexta</i> G.Simpson	—	44	Beuzenberg 1983: 9
aff. <i>intertexta</i>	—	44	Beuzenberg 1983: 10; as <i>C. sp. (f)</i> aff. <i>C. intertexta</i> . [Informal name in Eagle 1982; <i>C. "filifolia"</i> in Druce 1980, 1993]
<i>linariifolia</i> Hook.f.	—	44	Beuzenberg 1983: 10
<i>lucida</i> J.R.Forst. et G.Forst.	—	44	Homeyer 1935: 243, 259
<i>lucida</i> J.R.Forst. et G.Forst.	—	44	Fagerlind 1937: 273
<i>lucida</i> J.R.Forst. et G.Forst.	22	44	Beuzenberg 1983: 10
<i>lucida</i> J.R.Forst. et G.Forst.	—	44	Selvaraj & Subramanian 1985: 133
<i>lucida</i> J.R.Forst. et G.Forst.	—	44	Selvaraj 1987: 346
<i>macrocarpa</i> Cheeseman	22	44	Beuzenberg 1983: 10
<i>microcarpa</i> Hook.f.	—	44	Beuzenberg 1983: 10
<i>neglecta</i> Cheeseman	—	44	Beuzenberg 1983: 10; listed under <i>C. rhamnoides</i>
<i>neglecta</i> Cheeseman	—	44	Dawson 1995a: 479, 483
<i>neglecta</i> subsp. (indet.)	—	44	Dawson 1995a: 479, 483; as <i>C. neglecta</i> subsp. (undescribed). [<i>C. neglecta</i> subsp. "Whangaroa", A. P. Druce pers. comm.]
<i>obconica</i> Kirk	—	44	Beuzenberg 1983: 10
aff. <i>obconica</i>	—	44	Beuzenberg 1983: 10; as <i>C. sp. (s)</i> aff. <i>C. obconica</i> . [Informal name in Eagle 1982; <i>C. obconica</i> subsp. "Surville" in Cameron et al. 1995]
<i>parviflora</i> Hook.f.	—	132	Beuzenberg 1983: 10
<i>parviflora</i> Hook.f.	—	c. 130–132	B. G. Murray in Molloy et al. 1999: 387
aff. <i>parviflora</i>	66	132	Beuzenberg 1983: 10; as <i>C. sp. (t)</i> (<i>C. parviflora</i> var. <i>dumosa</i> sensu Cheeseman 1906). [Informal name in Eagle 1982; <i>C. "tayloriae"</i> in Druce 1980, 1993]
<i>pedicellata</i> Molloy, de Lange et B.D.Clarkson	—	44	Beuzenberg 1983: 10; as <i>C. sp. (v)</i> aff. <i>C. parviflora</i> . [Informal name in Eagle 1982; <i>C. "violacea"</i> in Druce 1980, 1993 and Cameron et al. 1995]
<i>perpusilla</i> Colenso subsp. <i>perpusilla</i>	—	132	Beuzenberg 1983: 10; as <i>C. pumila</i>
<i>perpusilla</i> subsp. <i>subantarctica</i> Orchard	—	c. 154	Moore 1960: 187; as <i>C. pumila</i>
<i>petiolata</i> Hook.f.	—	44	Beuzenberg 1983: 10

Table 1 (contd) DICOTYLEDONAE

Taxon	n	2n	Reference
ROSACEAE (contd)			
<i>petriei</i> Cheeseman	22	44	Beuzenberg 1983: 10
<i>propinqua</i> var. <i>martinii</i> W.R.B.Oliv.	–	44	Beuzenberg 1983: 10
<i>propinqua</i> A.Cunn. var. <i>propinqua</i>	–	44	Beuzenberg 1983: 10
<i>propinqua</i> × <i>robusta</i>	–	44	Fagerlind 1937: 273; as <i>C. cunninghamii</i> . Part of a hybrid group; see Allan 1961: 587
<i>pseudocuneata</i> W.R.B.Oliv.	–	132	Beuzenberg 1983: 10
aff. <i>pseudocuneata</i>	–	88	Beuzenberg 1983: 10; as <i>C. sp.</i> (a) aff. <i>C. pseudocuneata</i> . [Informal name in Eagle 1982; <i>C. "alpina"</i> in Druce 1980, 1993]
<i>repens</i> Hook.f.	–	44	Beuzenberg 1983: 10
<i>repens</i> 'Variegata' ?	22	–	Philip & Mathew 1987: 201; as <i>C. variegata</i> . Identity uncertain, probably an ornamental cultivar. See Dawson 1995a: 483–484
<i>rhamnoides</i> A.Cunn.	22	–	Beuzenberg 1983: 10
<i>rigida</i> Cheeseman	22	44	Beuzenberg 1983: 10
<i>robusta</i> Raoul	–	44	Fagerlind 1937: 273
<i>robusta</i> Raoul	–	44	Beuzenberg 1983: 10
<i>robusta</i> ?	–	22	de Pouques 1949: 17–18; as <i>C. robusta</i> . Count or identity uncertain
<i>rotundifolia</i> A.Cunn.	–	44	Beuzenberg 1983: 10
<i>rubra</i> Petrie	22	–	Beuzenberg 1983: 10
<i>rugosa</i> Cheeseman	–	44	Beuzenberg 1983: 10
<i>serrulata</i> Hook.f. ex Buchanan	–	44	Beuzenberg 1983: 10
<i>spathulata</i> A.Cunn.	–	44	Beuzenberg 1983: 10
aff. <i>spathulata</i>	–	44	Dawson 1995a: 479, 483. [<i>C. spathulata</i> subsp. "bartlettii", A. P. Druce pers. comm.; <i>C. spathulata</i> subsp. (b) in Eagle 1982; <i>C. spathulata</i> subsp. "Surville" in Cameron et al. 1995]
<i>talbrockiei</i> L.B.Moore et R.Mason	–	44	Beuzenberg 1983: 10
<i>tenuicaulis</i> Hook.f.	–	44	Beuzenberg 1983: 10
<i>tenuifolia</i> Cheeseman	22	–	Beuzenberg 1983: 10
<i>virescens</i> Petrie	–	44	Beuzenberg 1983: 10
<i>waima</i> A.P.Druce	–	44	Dawson 1989: 165
<i>wallii</i> Petrie	–	132	Beuzenberg 1983: 10
(indet.)	–	44	Beuzenberg 1983: 10; as <i>C. sp.</i> (r). [Informal name in Eagle 1982; <i>C. "rimicola"</i> in Druce 1993]
<i>Galium</i> (1/3)			
<i>perpusillum</i> (Hook.f.) Allan	c. 44	–	Beuzenberg & Hair 1983: 16
<i>Nertera</i> (8/8)			
<i>balfouriana</i> Cockayne	22	–	Hair 1963b: 245
<i>ciliata</i> Kirk	22	–	Hair 1963b: 246
<i>cunninghamii</i> Hook.f.	22	–	Hair 1963b: 246
<i>depressa</i> Banks et Sol. ex Gaertn.	22	–	Hair 1963b: 246
<i>dichondrifolia</i> (A.Cunn.) Hook.f.	22	–	Hair 1963b: 247
<i>scapanioides</i> Lange	22	–	Hair 1963b: 247
<i>setulosa</i> Hook.f.	20	–	Hair 1963b: 247. See Hair 1966: 571
<i>setulosa</i> Hook.f.	–	40	M. I. Dawson in Gardner 1999: 6–8
<i>setulosa</i> Hook.f.	–	40	Dawson & Beuzenberg 2000: 6, 15
<i>villosa</i> B.H.Macmill. et R.Mason	22	–	Hair 1963b: 247; as <i>N. sp.</i>
RUTACEAE			
<i>Leionema</i> (1/1)			
<i>nudum</i> (Hook.) Paul G.Wilson	16	32	Hair & Beuzenberg 1960: 434; as <i>Phebalium nudum</i>
<i>Melicope</i> (2/2)			
<i>simplex</i> A.Cunn.	–	36	Rattenbury 1957: 937
<i>simplex</i> A.Cunn.	18	–	Hair & Beuzenberg 1960: 434
<i>simplex</i> × <i>ternata</i>	18 _{II}	–	Rattenbury 1957: 937; as <i>M. mantellii</i> (hybrid). Putative hybrid; see Allan 1961: 426

Taxon	<i>n</i>	<i>2n</i>	Reference
<i>simplex</i> × <i>ternata</i>	18	—	Hair & Beuzenberg 1960: 434; as <i>M. ternata</i> var. <i>mantellii</i> . Putative hybrid; see Allan 1961: 426
<i>ternata</i> J.R.Forst. et G.Forst.	18 _{II}	—	Rattenbury 1957: 937
<i>ternata</i> J.R.Forst. et G.Forst.	—	36	Hair & Beuzenberg 1960: 434
<i>ternata</i> J.R.Forst. et G.Forst.	—	36	Guerra 1984: 15
SAPINDACEAE			
<i>Alectryon</i> (1/1)			
<i>excelsus</i> Gaertn. subsp. <i>excelsus</i>	—	30	Beuzenberg & Hair 1983: 16; as <i>A. excelsus</i>
<i>excelsus</i> Gaertn. subsp. <i>excelsus</i>	—	32	de Lange et al. 1999b: 12
<i>excelsus</i> Gaertn. subsp. <i>excelsus</i>	—	32	Murray & de Lange 1999: 513, 518
<i>excelsus</i> Gaertn. subsp. <i>excelsus</i>	16	—	Previously unpublished count, G. K. Linney. Plants from several provenances counted
<i>excelsus</i> subsp. <i>grandis</i> (Cheeseman) de Lange et E.K.Cameron	—	32	de Lange et al. 1999b: 12
<i>excelsus</i> subsp. <i>grandis</i> (Cheeseman) de Lange et E.K.Cameron	—	32	Murray & de Lange 1999: 513, 518
<i>Dodonaea</i> (1/1)			
<i>viscosa</i> Jacq.	14	28	Hair & Beuzenberg 1959: 151
<i>viscosa</i> 'Purpurea'	—	30	Guervin 1961: 616; as <i>Dodonaea viscosa</i> var. <i>purpurea</i> . Ornamental cultivar
SCROPHULARIACEAE			
<i>Chionohebe</i> (6/6)			
<i>ciliolata</i> (Hook.f.) B.G.Briggs et Ehrend.	—	42	Hair 1970: 257; as <i>Pygmea ciliolata</i> var. <i>ciliolata</i> and <i>P. ciliolata</i> var. <i>fiordensis</i>
<i>ciliolata</i> (Hook.f.) B.G.Briggs et Ehrend.	—	42	Beuzenberg & Hair 1983: 16; as <i>Pygmea ciliolata</i> var. <i>pumila</i>
<i>densifolia</i> (F.Muell.) B.G.Briggs et Ehrend.	—	42	Hair 1970: 257; as <i>Pygmea tetragona</i>
<i>glabra</i> (Cheeseman) Heads	—	42	Hair 1970: 257; as " <i>Pygmea thomsonii</i> var. <i>glabra</i> "
<i>myosotoides</i> (Ashwin) B.G.Briggs et Ehrend.	—	42	Hair 1970: 257; as <i>Pygmea myosotoides</i>
<i>pulvinaris</i> (Hook.f.) B.G.Briggs et Ehrend.	21	—	Frankel 1941: 118; as <i>Pygmea pulvinaris</i>
<i>pulvinaris</i> (Hook.f.) B.G.Briggs et Ehrend.	—	42	Hair 1970: 257; as <i>Pygmea pulvinaris</i>
<i>thomsonii</i> (Buchanan) B.G.Briggs et Ehrend.	21	—	Frankel 1941: 118; as <i>Pygmea thomsonii</i>
<i>thomsonii</i> (Buchanan) B.G.Briggs et Ehrend.	—	42	Hair 1970: 257; as <i>Pygmea thomsonii</i>
<i>Glossostigma</i> (2/3)			
<i>diandrum</i> (L.) Kuntze	—	60	Beuzenberg & Hair 1983: 16; as <i>G. submersum</i>
<i>elatinooides</i> Benth. ex Hook.f.	5	10	Beuzenberg & Hair 1983: 16
<i>Gratiola</i> (3/3)			
<i>nana</i> Benth. in DC.	15	—	Hair et al. 1967: 188. Erroneously cited as <i>n</i> = 30 in Hair 1966: 568
<i>pedunculata</i> R.Br.	—	32	Murray & de Lange 1999: 513, 518
<i>sexdentata</i> R.Cunn. ex A.Cunn.	45	—	J. B. Hair & E. J. Beuzenberg in Hair 1966: 568
<i>sexdentata</i> R.Cunn. ex A.Cunn.	45	—	Hair et al. 1967: 188
<i>Hebe</i> (82/87)			
<i>acutiflora</i> Cockayne	20	—	Hair 1967a: 344
<i>acutiflora</i> Cockayne	—	40	Murray & de Lange 1999: 513, 518
<i>albicans</i> (Petrie) Cockayne	20	—	Hair 1967a: 347
<i>amplexicaulis</i> (J.B.Armstr.) Cockayne et Allan	—	40	O. H. Frankel in Darlington & Wylie 1955: 311
<i>amplexicaulis</i> forma <i>hirta</i> Garn.-Jones et Molloy	20	—	Hair 1967a: 347; as <i>H. allanii</i>
<i>annulata</i> (Petrie) Cockayne et Allan	—	42	Hair 1967a: 350
<i>armstrongii</i> (J.B.Armstr.) Cockayne et Allan	—	84	Hair 1967a: 350
<i>armstrongii</i> ?	—	124	O. H. Frankel in Darlington & Wylie 1955: 312; as <i>H. armstrongii</i> . Count or identity uncertain
<i>barkeri</i> (Cockayne) Cockayne	20	40	Hair 1967a: 346
<i>barkeri</i> (Cockayne) Cockayne	—	40	Dawson & Beuzenberg 2000: 6, 15
<i>barkeri</i> ?	—	80	O. H. Frankel in Darlington & Wylie 1955: 312; as <i>H. gigantea</i> . Count or identity uncertain
<i>benthamii</i> (Hook.f.) Cockayne et Allan	20	40	Hair 1967a: 351
<i>biggarii</i> Cockayne	20	—	Hair 1967a: 352

Table 1 (*contd*) DICOTYLEDONAE

Taxon	<i>n</i>	<i>2n</i>	Reference
SCROPHULARIACEAE (<i>contd</i>)			
<i>bishopiana</i> (Petrie) Hatch	–	40	E. J. Beuzenberg in de Lange 1996: 189. [<i>H. sp. (h)</i> (<i>Veronica bishopiana</i>) in Druce 1980 and Eagle 1982; <i>H. "bishopiana"</i> in Druce 1993 and Cameron et al. 1995]
<i>bishopiana</i> (Petrie) Hatch	–	40	Dawson & Beuzenberg 2000: 6, 15. [<i>H. sp. (h)</i> (<i>Veronica bishopiana</i>) in Druce 1980 and Eagle 1982; <i>H. "bishopiana"</i> in Druce 1993 and Cameron et al. 1995]
<i>bollonsii</i> (Cockayne) Cockayne et Allan	20	–	Hair 1967a: 345
<i>brachysiphon</i> Summerh.	60	120	Hair 1967a: 342–343. May be referable to <i>H. venustula</i> ?
<i>brevifolia</i> (Cheeseman) de Lange	59	–	Hair 1967a: 345; as <i>H. macrocarpa</i> var. <i>brevifolia</i> . [<i>H. "brevifolia"</i> in Druce 1993 and Cameron et al. 1995]
<i>brevifolia</i> (Cheeseman) de Lange	–	118	B. G. Murray in de Lange 1997: 3. [<i>H. "brevifolia"</i> in Druce 1993 and Cameron et al. 1995]
<i>brevifolia</i> (Cheeseman) de Lange	–	118	Murray & de Lange 1999: 513, 519. [<i>H. "brevifolia"</i> in Druce 1993 and Cameron et al. 1995]
aff. <i>brevifolia</i>	–	120	Murray & de Lange 1999: 513, 519
<i>buchananii</i> (Hook.f.) Cockayne et Allan	–	80	O. H. Frankel in Darlington & Wylie 1955: 312
<i>buchananii</i> (Hook.f.) Cockayne et Allan	40	–	Hair 1967a: 348
aff. <i>buchananii</i>	20, 40	–	Hair 1967a: 348
<i>canterburiensis</i> (J.B. Armstr.) L.B. Moore	20	40	Frankel & Hair 1937: 672; as <i>H. vernicosa</i> var. <i>canterburiensis</i>
<i>canterburiensis</i> (J.B. Armstr.) L.B. Moore	20	40	Hair 1967a: 343
<i>carosula</i> (Hook.f.) Cockayne	–	80	Hair 1967a: 352
<i>chathamica</i> (Buchanan) Cockayne et Allan	20	40	Hair 1967a: 346
<i>cheesemanii</i> (Buchanan) Cockayne et Allan	–	42	Hair 1967a: 352
<i>ciliolata</i> (Hook.f.) Cockayne et Allan	21	42	Frankel & Hair 1937: 672
<i>ciliolata</i> (Hook.f.) Cockayne et Allan	–	42	Hair 1967a: 351
<i>cockayneana</i> (Cheeseman) Cockayne et Allan	–	120	O. H. Frankel in Darlington & Wylie 1955: 312
<i>cockayneana</i> (Cheeseman) Cockayne et Allan	60	–	Hair 1967a: 343
<i>colensoi</i> (Hook.f.) Cockayne var. <i>colensoi</i>	20	40	Hair 1967a: 342
<i>colensoi</i> var. <i>hillii</i> (Colenso) L.B. Moore	–	40	Hair 1967a: 342
<i>corriganii</i> Carse	40	–	Hair 1967a: 344
<i>cupressoides</i> (Hook.f.) Cockayne et Allan	21	42	Frankel & Hair 1937: 672
<i>cupressoides</i> (Hook.f.) Cockayne et Allan	21	–	Hair 1967a: 350
<i>decumbens</i> (J.B. Armstr.) Cockayne et Allan	20	40	Hair 1967a: 347
<i>dieffenbachii</i> (Benth.) Cockayne et Allan	20	–	Hair 1967a: 345
<i>diosmifolia</i> (A. Cunn.) Cockayne et Allan agg.	–	40	Frankel 1941: 118
<i>diosmifolia</i> (A. Cunn.) Cockayne et Allan agg.	20, 40	–	Hair 1967a: 342
<i>diosmifolia</i> (A. Cunn.) Cockayne et Allan agg.	20, 40	40, 80	Murray et al. 1989: 588–589
<i>diosmifolia</i> ?	–	24	Huber 1927: 372; as <i>Veronica diosmifolia</i> . Count or identity uncertain; see Frankel 1941: 118 for comments on Huber's determination
<i>divaricata</i> (Cheeseman) Cockayne et Allan	40	–	Hair 1967a: 342
<i>elliptica</i> (G. Forst.) Pennell	20	–	Frankel & Hair 1937: 683
<i>elliptica</i> var. <i>crassifolia</i> Cockayne et Allan	20	–	Hair 1967a: 343
<i>elliptica</i> (G. Forst.) Pennell var. <i>elliptica</i>	20	40	Hair 1967a: 343
<i>epacridea</i> (Hook.f.) Cockayne et Allan	21	42	Hair 1967a: 350
<i>evenosa</i> (Petrie) Cockayne et Allan	–	120	O. H. Frankel in Darlington & Wylie 1955: 312
<i>evenosa</i> (Petrie) Cockayne et Allan	60	–	Hair 1967a: 346
<i>fruticeti</i> G. Simpson et J.S. Thomson	40	–	Hair 1967a: 346. May be referable to <i>H. subalpina</i>
<i>gibbsii</i> (Kirk) Cockayne et Allan	20	–	Hair 1967a: 347
<i>glaucophylla</i> (Cockayne) Cockayne	40	80	Hair 1967a: 347
aff. <i>glaucophylla</i>	–	80	Dawson & Beuzenberg 2000: 6, 16. [<i>H. "glaucophylla</i> NW Nelson" in Druce 1993]
<i>gracillima</i> (Kirk) Cockayne et Allan	40	–	Hair 1967a: 344
<i>haastii</i> (Hook.f.) Cockayne et Allan var. <i>haastii</i>	–	42	Beuzenberg & Hair 1983: 16
<i>haastii</i> var. <i>humilis</i> (G. Simpson) L.B. Moore	21	–	Hair 1967a: 351
<i>haastii</i> var. <i>macrocalyx</i> (J.B. Armstr.) Cockayne et Allan	21	–	Hair 1967a: 351

Taxon	<i>n</i>	<i>2n</i>	Reference
<i>hectorii</i> subsp. <i>coarctata</i> (Cheeseman) Wagstaff et Wardle	–	40	Hair 1967a: 349; as <i>H. coarctata</i>
<i>hectorii</i> subsp. <i>demissa</i> (G.Simpson) Wagstaff et Wardle	20	–	Hair 1967a: 349; as <i>H. hectorii</i> var. <i>demissa</i>
<i>hectorii</i> (Hook.f.) Cockayne et Allan subsp. <i>hectorii</i>	–	40	Hair 1967a: 349; as <i>H. hectorii</i> var. <i>hectorii</i>
<i>hectorii</i> subsp. <i>laingii</i> (Cockayne) Wagstaff et Wardle	–	40	Hair 1967a: 349; as <i>H. laingii</i>
<i>hectorii</i> subsp. <i>subsimilis</i> (Colenso) Wagstaff et Wardle	–	40	Hair 1967a: 349; as <i>H. subsimilis</i> var. <i>astonii</i>
<i>hectorii</i> subsp. <i>subsimilis</i> (Colenso) Wagstaff et Wardle	–	40	Hair 1967a: 349; as <i>H. subsimilis</i> var. <i>subsimilis</i>
<i>hectorii</i> subsp. <i>subulata</i> (G.Simpson) Wagstaff et Wardle	–	40	Hair 1967a: 352; as <i>H. subulata</i>
<i>imbricata</i> (Petrie) Cockayne et Allan subsp. <i>imbricata</i>	–	40	Hair 1967a: 350; as <i>H. imbricata</i>
<i>imbricata</i> subsp. <i>poppelwellii</i> (Cockayne) Wagstaff et Wardle	–	40	Dawson & Beuzenberg 2000: 6, 15
<i>insularis</i> (Cheeseman) Cockayne et Allan	20+f	–	Hair 1967a: 342
<i>ligustrifolia</i> (A.Cunn.) Cockayne et Allan	20	–	Frankel & Hair 1937: 683
<i>ligustrifolia</i> (A.Cunn.) Cockayne et Allan	20	40	Hair 1967a: 344
<i>lycopodioides</i> (Hook.f.) Cockayne et Allan	20	40	Frankel & Hair 1937: 672
<i>lycopodioides</i> (Hook.f.) Cockayne et Allan subsp. <i>lycopodioides</i>	–	40	Hair 1967a: 350; as <i>H. lycopodioides</i> var. <i>lycopodioides</i>
<i>lycopodioides</i> subsp. <i>patula</i> (G.Simpson et J.S.Thomson) Wagstaff et Wardle	–	40	Hair 1967a: 349; as <i>H. tetragona</i> (CHR 103034)
<i>lycopodioides</i> subsp. <i>patula</i> (G.Simpson et J.S.Thomson) Wagstaff et Wardle	20	40	Hair 1967a: 350; as <i>H. lycopodioides</i> var. <i>patula</i>
<i>macrantha</i> var. <i>brachyphylla</i> (Cheeseman) Cockayne et Allan	21	–	Hair 1967a: 351
<i>macrantha</i> (Hook.f.) Cockayne et Allan var. <i>macrantha</i>	21	–	Hair 1967a: 351
<i>macrocarpa</i> (Vahl) Cockayne et Allan	–	80	O. H. Frankel in Darlington & Wylie 1955: 312
<i>macrocarpa</i> var. <i>latisepala</i> (Kirk) Cockayne et Allan	60	–	Hair 1967a: 345
<i>macrocarpa</i> var. <i>latisepala</i> ?	–	120	Hair 1967a: 345
<i>macrocarpa</i> (Vahl) Cockayne et Allan var. <i>macrocarpa</i>	40	–	Hair 1967a: 345; as <i>H. macrocarpa</i> var. <i>macrocarpa</i> ?
<i>masoniae</i> (L.B.Moore) Garn.-Jones	59	–	Hair 1967a: 349; as <i>H. pauciramosa</i> var. <i>masonae</i>
<i>matthewsii</i> (Cheeseman) Cockayne	20	–	Simonet 1934: 1154; as <i>Veronica matthewsii</i>
<i>mooreae</i> (Heads) Garn.-Jones	63	–	Hair 1966: 571; as [part of the] <i>H. odora</i> complex
<i>mooreae</i> (Heads) Garn.-Jones	63	126	Hair 1967a: 349; as <i>H. odora</i> sens. lat. (CHR 103040, CHR 174766)
<i>murrellii</i> G.Simpson et J.S.Thomson	–	42	Hair 1967a: 350; as <i>H. petriei</i> var. <i>petriei</i>
<i>obtusata</i> (Cheeseman) Cockayne et Allan	20	–	Hair 1967a: 345
<i>ochracea</i> Ashwin	–	124	Hair 1967a: 350
<i>odora</i> (Hook.f.) Cockayne agg.	42	–	Frankel & Hair 1937: 672; as <i>H. buxifolia</i> var. <i>odora</i>
<i>odora</i> (Hook.f.) Cockayne agg.	21	42	Frankel & Hair 1937: 672; as <i>H. buxifolia</i> var. <i>pauciramosa</i>
<i>odora</i> (Hook.f.) Cockayne agg.	–	42	O. H. Frankel in Darlington & Wylie 1955: 312; as <i>H. buxifolia</i>
<i>odora</i> (Hook.f.) Cockayne agg.	–	84	O. H. Frankel in Darlington & Wylie 1955: 312; as <i>H. buxifolia</i> var. <i>prostrata</i>
<i>odora</i> (Hook.f.) Cockayne agg.	21	–	Hair 1966: 571; as [part of the] <i>H. odora</i> complex
<i>odora</i> (Hook.f.) Cockayne agg.	42	–	Hair 1966: 571; as [part of the] <i>H. odora</i> complex
<i>odora</i> (Hook.f.) Cockayne agg.	21, 42	42	Hair 1967a: 348–349; as <i>H. odora</i> sens. lat.
<i>odora</i> (Hook.f.) Cockayne agg.	–	84	Hair 1967a: 349; as <i>H. odora</i> var. <i>prostrata</i>
<i>odora</i> (Hook.f.) Cockayne agg.	–	84	E. J. Beuzenberg in Druce 1980: 41
<i>odora</i> (Hook.f.) Cockayne agg.	–	42	Dawson & Beuzenberg 2000: 7, 16; as <i>H. odora</i> "diploid"
<i>odora</i> (Hook.f.) Cockayne agg.	–	84, c. 84	Dawson & Beuzenberg 2000: 7, 16; as <i>H. odora</i> "tetraploid"
<i>odora</i> ?	40	–	Simonet 1934: 1154; as <i>Veronica buxifolia</i> . Count or identity uncertain

Table 1 (contd) DICOTYLEDONAE

Taxon	<i>n</i>	<i>2n</i>	Reference
SCROPHULARIACEAE (contd)			
<i>odora</i> × <i>armstrongii</i> (<i>H.</i> 'Karo Golden Esk')	–	84	M. I. Dawson in Heenan 1992a: 5. Putative hybrid and ornamental cultivar
<i>odora</i> × <i>armstrongii</i> (<i>H.</i> 'Karo Golden Esk')	–	84	Dawson & Beuzenberg 2000: 7, 16. Putative hybrid and ornamental cultivar
<i>paludosa</i> (Cockayne) D.A.Norton et de Lange	–	80	B. G. Murray in Norton & de Lange 1998: 533, 537
<i>paludosa</i> (Cockayne) D.A.Norton et de Lange	–	80	Murray & de Lange 1999: 513, 518
<i>pareora</i> Garn.-Jones and Molloy	20	–	Hair 1967a: 347; as <i>H. amplexicaulis</i> var. <i>amplexicaulis</i>
<i>parviflora</i> (Vahl) Cockayne et Allan	20	–	Simonet 1934: 1154; as <i>Veronica parviflora</i>
<i>parviflora</i> (Vahl) Cockayne et Allan	–	80	Frankel 1940: 172
<i>parviflora</i> var. <i>angustifolia</i> (Hook.f.) L.B.Moore	20	40	Hair 1967a: 346
aff. <i>parviflora</i> var. <i>angustifolia</i>	–	40	Dawson & Beuzenberg 2000: 7, 17. [<i>H.</i> sp. (d) var. (ii) in Druce 1980]
<i>parviflora</i> var. <i>arborea</i> (Buchanan) L.B.Moore	–	80	Hair 1967a: 346
<i>parviflora</i> var. ?	40	–	Hair 1967a: 346
<i>pauciflora</i> G.Simpson et J.S.Thomson	–	42	Hair 1967a: 349
<i>pauciramosa</i> (Cockayne et Allan) L.B.Moore	21	–	Hair 1967a: 349; as <i>H. pauciramosa</i> var. <i>pauciramosa</i>
<i>pauciramosa</i> (Cockayne et Allan) L.B.Moore	–	42	Dawson & Beuzenberg 2000: 7, 15
<i>perbella</i> de Lange	–	40	B. G. Murray in de Lange 1998: 401. [<i>H.</i> sp. (x) in Druce 1980 (supplement) and Eagle 1982; <i>H.</i> "Bartlett" in Druce 1993 and Cameron et al. 1995]
<i>perbella</i> de Lange	–	40	Murray & de Lange 1999: 513, 518. [<i>H.</i> sp. (x) in Druce 1980 (supplement) and Eagle 1982; <i>H.</i> "Bartlett" in Druce 1993 and Cameron et al. 1995]
<i>perbella</i> de Lange	–	40	Dawson & Beuzenberg 2000: 7, 15. [<i>H.</i> sp. (x) in Druce 1980 (supplement) and Eagle 1982; <i>H.</i> "Bartlett" in Druce 1993 and Cameron et al. 1995]
<i>petriei</i> (Buchanan) Cockayne et Allan	–	42	Dawson & Beuzenberg 2000: 7, 15
<i>pimeleoides</i> var. <i>glauco-caerulea</i> (J.B.Armstr.) Cockayne et Allan	20	–	Simonet 1934: 1154; as <i>Veronica pimeleoides</i> var. <i>glauco-caerulea</i>
<i>pimeleoides</i> var. <i>glauco-caerulea</i> (J.B.Armstr.) Cockayne et Allan	–	40	Dawson & Beuzenberg 2000: 7, 15–16
<i>pimeleoides</i> var. <i>minor</i> (Hook.f.) Cockayne et Allan	20	40	Frankel & Hair 1937: 672
<i>pimeleoides</i> var. <i>minor</i> (Hook.f.) Cockayne et Allan	–	40	Dawson & Beuzenberg 2000: 7, 15–16
<i>pimeleoides</i> (Hook.f.) Cockayne et Allan var. <i>pimeleoides</i>	20	–	Hair 1967a: 348
<i>pimeleoides</i> var. <i>rupestris</i> Cockayne et Allan	20	–	Hair 1967a: 348
aff. <i>pimeleoides</i>	40	–	Hair 1967a: 348; as <i>H. pimeleoides</i> aff. var. <i>rupestris</i>
aff. <i>pimeleoides</i>	–	80	Dawson & Beuzenberg 2000: 7, 16
<i>pimeleoides</i> var. <i>rupestris</i> × <i>salicifolia</i> (<i>H.</i> × <i>dartonii</i> 'Dartonii')	–	40	M. I. Dawson in Heenan 1992b: 3. Putative hybrid and ornamental cultivar
<i>pimeleoides</i> var. <i>rupestris</i> × <i>salicifolia</i> (<i>H.</i> × <i>dartonii</i> 'Dartonii')	–	40	Dawson & Beuzenberg 2000: 7, 16. Putative hybrid and ornamental cultivar
<i>pinguifolia</i> (Hook.f.) Cockayne et Allan agg.	40	–	Frankel & Hair 1937: 672
<i>pinguifolia</i> (Hook.f.) Cockayne et Allan agg.	40	–	Hair 1967a: 347
<i>pinguifolia</i> (Hook.f.) Cockayne et Allan agg.	–	40	E. J. Beuzenberg in Garnock-Jones & Molloy 1982: 392
<i>pinguifolia</i> (Hook.f.) Cockayne et Allan agg.	–	40	Dawson & Beuzenberg 2000: 7, 16; as <i>H. pinguifolia</i> "diploid"
<i>pinguifolia</i> (Hook.f.) Cockayne et Allan agg.	–	80	Dawson & Beuzenberg 2000: 7, 16; as <i>H. pinguifolia</i> "tetraploid"
<i>propinqua</i> (Cheeseman) Cockayne et Allan	20	–	Hair 1967a: 350
<i>pubescens</i> (Benth.) Cockayne et Allan	20	–	Hair 1967a: 344
<i>rakaiensis</i> (J.B.Armstr.) Cockayne	40	–	Hair 1967a: 347
<i>ramosissima</i> G.Simpson et J.S.Thomson	–	42	Hair 1967a: 350
<i>recurva</i> G.Simpson et J.S.Thomson	20	–	Hair 1967a: 347

Taxon	<i>n</i>	<i>2n</i>	Reference
<i>rigidula</i> (Cheeseman) Cockayne et Allan	20	40	Hair 1967a: 342
aff. <i>rigidula</i>	–	40	Dawson & Beuzenberg 2000: 7, 17. [<i>H. sp.</i> (q) in Druce 1980 and Eagle 1982]
aff. <i>rigidula</i>	–	40	Dawson & Beuzenberg 2000: 7, 17. [<i>H. rigidula</i> var. (ii) in Druce 1980; <i>H. rigidula</i> form (ii) in Eagle 1982; <i>H.</i> “D’Urville Id.”]
aff. <i>rigidula</i>	–	40	J. B. Hair in Dawson & Beuzenberg 2000: 7, 17. [<i>H. rigidula</i> var. (i) in Druce 1980; <i>H. rigidula</i> form (i) in Eagle 1982; <i>H.</i> “Lady” in Druce 1993; <i>H.</i> “Awaroa” in Cameron et al. 1995]
<i>rupicola</i> (Cheeseman) Cockayne et Allan	20	–	Hair 1967a: 342
<i>salicifolia</i> (G.Forst.) Pennell	20	–	Simonet 1934: 1154; as <i>Veronica salicifolia</i>
<i>salicifolia</i> (G.Forst.) Pennell	20	–	Frankel & Hair 1937: 672; as <i>H. salicifolia</i> var. <i>communis</i>
<i>salicifolia</i> (G.Forst.) Pennell	–	40	Frankel 1940: 172; as <i>H. salicifolia</i> var. <i>communis</i>
<i>salicifolia</i> (G.Forst.) Pennell	20	40	Hair 1967a: 344
<i>salicifolia</i> (G.Forst.) Pennell	–	40	Murray & de Lange 1999: 513, 518
<i>salicifolia</i> × <i>traversii</i>	–	40	Frankel 1940: 172; as <i>H. salicifolia</i> × <i>leiophylla</i> . Putative hybrid
<i>salicornioides</i> (Hook.f.) Cockayne et Allan	–	42	O. H. Frankel in Darlington & Wylie 1955: 312
<i>salicornioides</i> (Hook.f.) Cockayne et Allan	21	–	Hair 1967a: 350
<i>speciosa</i> (A.Cunn.) Cockayne et Allan	20	–	Simonet 1934: 1154; as <i>Veronica speciosa</i>
<i>speciosa</i> (A.Cunn.) Cockayne et Allan	20	–	Hair 1967a: 343
<i>stricta</i> var. <i>atkinsonii</i> (Cockayne) L.B.Moore	20	40	Hair 1967a: 345
<i>stricta</i> var. <i>egmontiana</i> L.B.Moore	–	80	O. H. Frankel in Darlington & Wylie 1955: 312; as <i>H. salicifolia</i> var. <i>egmontiana</i>
<i>stricta</i> var. <i>egmontiana</i> L.B.Moore	40	–	Hair 1967a: 345
<i>stricta</i> var. <i>lata</i> L.B.Moore	40	–	Hair 1967a: 345
<i>stricta</i> var. <i>macroura</i> (Benth.) L.B.Moore	20	40	Hair 1967a: 345
<i>stricta</i> (Benth.) L.B.Moore var. <i>stricta</i>	20	40	Hair 1967a: 344
<i>stricta</i> (Benth.) L.B.Moore var. <i>stricta</i>	–	40	Murray & de Lange 1999: 513, 518
<i>stricta</i> group	20, 40	–	Hair 1967a: 345 (CHR 103160A–B, CHR 103166)
aff. <i>stricta</i>	–	40	Hair 1967a: 345; as <i>H. stricta</i> var. ? (CHR 103272). [<i>H. stricta</i> var. (<i>H. salicifolia</i> var. <i>angustissima</i>) in Druce 1980; <i>H. stricta</i> form (i), formerly <i>H. salicifolia</i> var. <i>angustissima</i> in Eagle 1982; <i>H.</i> “angustissima” in Druce 1993 and Cameron et al. 1995; <i>Veronica salicifolia</i> var. <i>angustissima</i> in Murray & de Lange 1999]
aff. <i>stricta</i>	–	40	Murray & de Lange 1999: 513, 518; as <i>Veronica salicifolia</i> var. <i>angustissima</i> . [<i>H. stricta</i> var. (<i>H. salicifolia</i> var. <i>angustissima</i>) in Druce 1980; <i>H. stricta</i> form (i), formerly <i>H. salicifolia</i> var. <i>angustissima</i> in Eagle 1982; <i>H.</i> “angustissima” in Druce 1993 and Cameron et al. 1995]
aff. <i>stricta</i>	–	40	Dawson & Beuzenberg 2000: 7, 17. [<i>H. stricta</i> var. (<i>H. salicifolia</i> var. <i>angustissima</i>) in Druce 1980; <i>H. stricta</i> form (i), formerly <i>H. salicifolia</i> var. <i>angustissima</i> in Eagle 1982; <i>H.</i> “angustissima” in Druce 1993 and Cameron et al. 1995; <i>Veronica salicifolia</i> var. <i>angustissima</i> in Murray & de Lange 1999]
aff. <i>stricta</i>	–	40	Murray & de Lange 1999: 513, 518; as <i>H. aff. stricta</i> (A)
aff. <i>stricta</i>	–	80	Murray & de Lange 1999: 513, 518; as <i>H. aff. stricta</i> (B)
aff. <i>stricta</i>	–	80	Murray & de Lange 1999: 513, 518; as <i>H. aff. stricta</i> (C)
<i>stricta</i> × <i>venustula</i>	–	100	O. H. Frankel in Darlington & Wylie 1955: 312; as <i>H. carsei</i> . Putative hybrid; see Allan 1961: 949–950
<i>strictissima</i> (Kirk) L.B.Moore	40	–	Hair 1967a: 347
<i>subalpina</i> (Cockayne) Cockayne et Allan	40	–	Frankel & Hair 1937: 672
<i>subalpina</i> (Cockayne) Cockayne et Allan	–	80	Frankel 1940: 172
<i>subalpina</i> (Cockayne) Cockayne et Allan	40	80	Hair 1967a: 346
<i>subalpina</i> ?	60	–	Frankel & Hair 1937: 672; as <i>H. montana</i>
<i>subalpina</i> ?	–	80, 120	O. H. Frankel in Darlington & Wylie 1955: 312; as <i>H. subalpina</i>
<i>tairawhiti</i> B.D.Clarkson et Garn.-Jones	40	80	Hair 1967a: 345; as <i>H. stricta</i> var. ? (CHR 103219, CHR 103271). [<i>H. sp.</i> (n) in Druce 1980 and Eagle 1982; <i>H.</i> “Wairoa” in Druce 1993 and Cameron et al. 1995]
<i>tetragona</i> (Hook.) Cockayne et Allan	–	40	Hair 1967a: 349

Table 1 (contd) DICOTYLEDONAE

Taxon	<i>n</i>	<i>2n</i>	Reference
SCROPHULARIACEAE (contd)			
<i>tetrasticha</i> (Hook.f.) Cockayne et Allan	–	42	Frankel & Hair 1937: 672
<i>tetrasticha</i> (Hook.f.) Cockayne et Allan	–	42	Hair 1967a: 351
<i>topiaria</i> L.B.Moore	61	–	Hair 1967a: 347
<i>townsonii</i> (Cheeseman) Cockayne et Allan	–	40	Frankel 1940: 172
<i>townsonii</i> (Cheeseman) Cockayne et Allan	20	–	Hair 1967a: 343
<i>traversii</i> (Hook.f.) Cockayne et Allan	60	–	Simonet 1934: 1154; as <i>Veronica traversii</i>
<i>traversii</i> (Hook.f.) Cockayne et Allan	60	–	Frankel & Hair 1937: 672
<i>traversii</i> (Hook.f.) Cockayne et Allan	–	120	Frankel 1940: 172
<i>traversii</i> (Hook.f.) Cockayne et Allan	20	40	Hair 1967a: 346–347
<i>traversii</i> ?	–	40, 80, 120	O. H. Frankel in Darlington & Wylie 1955: 312; as <i>H. traversii</i>
<i>treadwellii</i> Cockayne et Allan	20	–	Hair 1967a: 352; as <i>H. brockiei</i>
aff. <i>treadwellii</i>	–	40	Dawson & Beuzenberg 2000: 7, 17. [<i>H.</i> "Bald Knob Ridge" in Druce 1993 and Cameron et al. 1995]
<i>truncatula</i> (Colenso) L.B.Moore	40	–	Hair 1967a: 346. Probably referable to <i>H. subalpina</i>
<i>tumida</i> (Kirk) Cockayne et Allan	–	42	Hair 1967a: 352
<i>urvilleana</i> W.R.B.Oliv.	–	120	Hair 1967a: 346
<i>venustula</i> (Colenso) L.B.Moore	–	120	O. H. Frankel in Darlington & Wylie 1955: 312; as <i>H. laevis</i>
<i>venustula</i> (Colenso) L.B.Moore	60	120	Hair 1967a: 342
<i>vernica</i> (Hook.f.) Cockayne et Allan	21	–	Frankel & Hair 1937: 672; as <i>H. vernica</i> var. <i>gracilis</i>
<i>vernica</i> (Hook.f.) Cockayne et Allan	21	42	Hair 1967a: 343
(indet.)	–	40	Murray & de Lange 1999: 513, 518; as <i>H.</i> aff. <i>bollonsii</i> (B). [<i>H. pubescens</i> var. in Druce 1980; <i>H. pubescens</i> form (i) in Eagle 1982; <i>H.</i> "Little Barrier" in Druce 1993]
(indet.)	–	40	Dawson & Beuzenberg 2000: 7, 17. [<i>H.</i> sp. (m) in Druce 1980 and Eagle 1982; <i>H.</i> "Whangarei" in Druce 1993; <i>H.</i> "Manaia"]
(indet.)	–	40	Murray & de Lange 1999: 513, 518; as <i>H.</i> aff. <i>bollonsii</i> (A). [<i>H.</i> sp. (v) in Druce 1980 and Eagle 1982; <i>H.</i> "Mokohinau" in Druce 1993 and Cameron et al. 1995; <i>H.</i> aff. <i>bollonsii</i> in de Lange et al. 1999a]
(indet.)	–	40	Dawson & Beuzenberg 2000: 8, 17. [<i>H.</i> sp. (v) in Druce 1980 and Eagle 1982; <i>H.</i> "Mokohinau" in Druce 1993 and Cameron et al. 1995; <i>H.</i> aff. <i>bollonsii</i> (A) in Murray & de Lange 1999; <i>H.</i> aff. <i>bollonsii</i> in de Lange et al. 1999a]
(indet.)	–	80	Dawson & Beuzenberg 2000: 8, 17. [<i>H.</i> sp. (o) in Druce 1980 and Eagle 1982; <i>H.</i> "marble" in Druce 1993]
(indet.)	–	80	Dawson & Beuzenberg 2000: 8, 17. [<i>H.</i> sp. (w) in Druce 1980; <i>H.</i> "Great Barrier" in Druce 1993]
'Eveline'	20	–	Simonet 1934: 1154; as <i>Veronica Gauntlettii</i> Hort. [sic]
<i>Heliohebe</i> (5/5)			
<i>acuta</i> Garn.-Jones	–	42	M. I. Dawson in Garnock-Jones 1993: 327
<i>acuta</i> Garn.-Jones	–	42	Dawson & Beuzenberg 2000: 8, 17
<i>hulkeana</i> (F.Muell.) Garn.-Jones	21	–	Simonet 1934: 1154; as <i>Veronica hulkeana</i>
<i>hulkeana</i> (F.Muell.) Garn.-Jones	21	–	Frankel & Hair 1937: 683; as <i>Hebe hulkeana</i>
<i>hulkeana</i> (F.Muell.) Garn.-Jones subsp. <i>hulkeana</i>	21	–	Hair 1967a: 351; as <i>Hebe hulkeana</i>
<i>lavidiana</i> (Raoul) Garn.-Jones	21	–	Frankel & Hair 1937: 683; as <i>Hebe lavidiana</i>
<i>lavidiana</i> (Raoul) Garn.-Jones	–	42	O. H. Frankel in Darlington & Wylie 1955: 312; as <i>Hebe lavidiana</i>
<i>lavidiana</i> (Raoul) Garn.-Jones	21	–	Hair 1967a: 351; as <i>Hebe lavidiana</i>
<i>pentasepala</i> (L.B.Moore) Garn.-Jones	21	–	Hair 1967a: 351; as <i>Hebe raoulii</i> var. <i>pentasepala</i>
<i>raoulii</i> (Hook.f.) Garn.-Jones	21	42	Frankel & Hair 1937: 672; as <i>Hebe raoulii</i>
<i>raoulii</i> subsp. <i>maccaskillii</i> (Allan) Garn.-Jones	21	–	Hair 1967a: 351; as <i>Hebe raoulii</i> var. <i>maccaskillii</i>
<i>raoulii</i> (Hook.f.) Garn.-Jones subsp. <i>raoulii</i>	21	–	Hair 1967a: 351; as <i>Hebe raoulii</i> var. <i>raoulii</i>
<i>Jovellana</i> (2/2)			
<i>repens</i> (Hook.f.) Kraenzl.	18	36	Hair & Beuzenberg 1960: 435
<i>sinclairii</i> (Hook.) Kraenzl.	18	36	Hair & Beuzenberg 1960: 435

Taxon	<i>n</i>	<i>2n</i>	Reference
<i>Limosella</i> (1/2)			
<i>lineata</i> Glück	30	–	Hair & Beuzenberg 1960: 435
<i>Mazus</i> (4/4)			
<i>arenarius</i> Heenan, P.N.Johnson et C.J.Webb	–	104	M. I. Dawson in Heenan et al. 1996: 36. [<i>M.</i> “False Islet” in Cameron et al. 1995]
<i>arenarius</i> Heenan, P.N.Johnson et C.J.Webb	–	104	Dawson & Beuzenberg 2000: 8, 17. [<i>M.</i> “False Islet” in Cameron et al. 1995]
<i>novaezeelandiae</i> subsp. <i>impolitus</i> Heenan forma <i>impolitus</i>	–	38	B. G. Murray in Heenan 1998: 410
<i>novaezeelandiae</i> subsp. <i>impolitus</i> forma <i>hirtus</i> Heenan	–	38	B. G. Murray in Heenan 1998: 410
<i>novaezeelandiae</i> subsp. <i>impolitus</i> ?	19	38	Hair & Beuzenberg 1960: 435; as <i>M. pumilio</i>
<i>novaezeelandiae</i> W.R.Barker subsp. <i>novaezeelandiae</i>	–	38	B. G. Murray in Heenan 1998: 410
<i>pumilio</i> R.Br.	–	38	B. G. Murray in Heenan 1998: 410
<i>radicans</i> (Hook.f.) Cheeseman	52	–	Hair & Beuzenberg 1960: 435
<i>radicans</i> (Hook.f.) Cheeseman	–	104	Hashimoto 1986: 1264, 1271
<i>Mimulus</i> (1/1)			
<i>repens</i> R.Br.	–	20	Hair & Beuzenberg 1959: 151
<i>Ourisia</i> (15/15)			
<i>caespitosa</i> Hook.f.	–	48	Hair & Arroyo 1984: 358
<i>colensoi</i> Hook.f.	24	48	Hair & Arroyo 1984: 358
<i>confertifolia</i> Arroyo	–	48	Hair & Arroyo 1984: 358
<i>crobyi</i> Cockayne	24	48	Hair & Arroyo 1984: 358
<i>glandulosa</i> Hook.f.	24	48	Hair & Arroyo 1984: 358
<i>goulandiana</i> Arroyo	–	48	Hair & Arroyo 1984: 358
<i>lactea</i> subsp. <i>drucei</i> (L.B.Moore) Arroyo	24	48	Hair & Arroyo 1984: 358
<i>lactea</i> (L.B.Moore) Arroyo subsp. <i>lactea</i>	–	48	Hair & Arroyo 1984: 358
<i>macrocarpa</i> subsp. <i>calycina</i> (Colenso) Arroyo	24	48	Hair & Arroyo 1984: 358
<i>macrocarpa</i> subsp. <i>calycina</i> × <i>caespitosa</i>	–	48	Hair & Arroyo 1984: 359
<i>macrocarpa</i> Hook.f. subsp. <i>macrocarpa</i>	24	48	Hair & Arroyo 1984: 358
<i>macrophylla</i> Hook. subsp. <i>macrophylla</i>	24	48	Hair & Arroyo 1984: 358
<i>macrophylla</i> subsp. <i>robusta</i> (Colenso) Arroyo	24	48	Hair & Arroyo 1984: 358
<i>modesta</i> Diels	–	48	Hair & Arroyo 1984: 358
<i>remotifolia</i> Arroyo	–	48	Hair & Arroyo 1984: 358
<i>sessilifolia</i> Hook.f. subsp. <i>sessilifolia</i>	–	48	Hair & Arroyo 1984: 359
<i>sessilifolia</i> subsp. <i>splendida</i> (L.B.Moore) Arroyo	–	48	Hair & Arroyo 1984: 359
<i>simpsonii</i> (L.B.Moore) Arroyo	24	48	Hair & Arroyo 1984: 359
<i>spathulata</i> Arroyo	–	48	Hair & Arroyo 1984: 359
<i>vulcanica</i> L.B.Moore	–	48	Hair & Arroyo 1984: 359
<i>Parahebe</i> (14/14)			
<i>birleyi</i> (N.E.Br.) W.R.B.Oliv.	–	42	Hair 1970: 256
<i>canescens</i> W.R.B.Oliv.	–	42	O. H. Frankel in Darlington & Wylie 1955: 312
<i>canescens</i> W.R.B.Oliv.	–	42	Hair 1970: 256
<i>catarractae</i> (G.Forst.) W.R.B.Oliv.	21	–	O. H. Frankel in Frankel & Hair 1937: 677; as <i>Veronica catarractae</i>
<i>catarractae</i> (G.Forst.) W.R.B.Oliv.	–	42	O. H. Frankel in Darlington & Wylie 1955: 312
<i>catarractae</i> (G.Forst.) W.R.B.Oliv.	21	–	Hair 1970: 256 (CHR 103274)
<i>catarractae</i> (G.Forst.) W.R.B.Oliv. subsp. <i>catarractae</i>	21	–	Garnock-Jones & Langer 1980: 291
<i>catarractae</i> subsp. <i>lanceolata</i> (Benth.) Garn.-Jones	21	–	Garnock-Jones & Langer 1980: 291
<i>catarractae</i> subsp. <i>martinii</i> Garn.-Jones	21	–	Garnock-Jones & Langer 1980: 291
aff. <i>catarractae</i>	–	c. 42	Dawson & Beuzenberg 2000: 8, 17. [<i>P.</i> “whiskers” in Druce 1993; <i>P.</i> “hairy” in Cameron et al. 1995]
<i>cheesemania</i> (Benth.) W.R.B.Oliv.	–	42	Hair 1970: 256
<i>decora</i> Ashwin	20	–	Frankel & Hair 1937: 672; as <i>Veronica bidwillii</i>

Table 1 (contd) DICOTYLEDONAE

Taxon	<i>n</i>	<i>2n</i>	Reference
SCROPHULARIACEAE (contd)			
<i>decora</i> Ashwin	20	40	Hair 1970: 256
<i>diffusa</i> (Hook.f.) W.R.B.Oliv.	21	42	Hair 1970: 256; as <i>P. catarractae</i> (CHR 103275)
<i>diffusa</i> (Hook.f.) W.R.B.Oliv.	21	–	Garnock-Jones & Langer 1980: 291; as <i>P. catarractae</i> subsp. <i>diffusa</i>
<i>hookeriana</i> (Walp.) W.R.B.Oliv.	–	42	O. H. Frankel in Darlington & Wylie 1955: 312
<i>hookeriana</i> (Walp.) W.R.B.Oliv.	21	42	Hair 1970: 256
<i>laxa</i> (G.Simpson et J.S.Thomson) W.R.B.Oliv.	–	84	Beuzenberg & Hair 1983: 16; as <i>P. plano-petiolata</i> var. <i>laxa</i>
<i>laxa</i> (G.Simpson et J.S.Thomson) W.R.B.Oliv.	42	–	P. J. Garnock-Jones in Beuzenberg & Hair 1983: 16; as <i>P. plano-petiolata</i> var. <i>laxa</i>
<i>linifolia</i> subsp. <i>brevistylis</i> Garn.-Jones	21	42	Hair 1970: 256; as <i>P. linifolia</i> (CHR 103152)
<i>linifolia</i> (Hook.f.) W.R.B.Oliv. subsp. <i>linifolia</i>	21	42	Frankel & Hair 1937: 672; as <i>Veronica linifolia</i>
<i>linifolia</i> (Hook.f.) W.R.B.Oliv. subsp. <i>linifolia</i>	21	–	Hair 1970: 256; as <i>P. linifolia</i> (CHR 103207)
<i>lyallii</i> (Hook.f.) W.R.B.Oliv.	21	42	Frankel & Hair 1937: 672; as <i>Veronica lyallii</i>
<i>lyallii</i> (Hook.f.) W.R.B.Oliv.	21	42	Hair 1970: 256
<i>olsenii</i> (Colenso) W.R.B.Oliv.	–	84	Hair 1970: 256
<i>planopetiolata</i> (G.Simpson et J.S.Thomson) W.R.B.Oliv.	–	84	Hair 1970: 256; as <i>P. plano-petiolata</i> var. <i>plano-petiolata</i>
<i>spathulata</i> (Benth.) W.R.B.Oliv.	–	84	Hair 1970: 257
<i>trifida</i> W.R.B.Oliv.	–	42	Hair 1970: 257
SOLANACEAE			
<i>Solanum</i> (3/3)			
<i>americanum</i> Mill.	12	–	Baylis 1958: 384; as <i>S. nodiflorum</i> . Presumed indigenous
<i>americanum</i> Mill.	–	24	Beuzenberg & Hair 1983: 16; as <i>S. nodiflorum</i> . Presumed indigenous
<i>aviculare</i> G.Forst.	23	–	Baylis 1954: 639
<i>aviculare</i> G.Forst.	–	46	J. B. Hair in Baylis 1954: 639
<i>aviculare</i> G.Forst.	–	46	Starý & Štorchová-Burianová 1962: 246–247
<i>aviculare</i> G.Forst.	23	–	Baylis 1963: 171, 174
<i>aviculare</i> G.Forst.	–	46	Gerasimenko & Reznikova 1968: 508; as <i>S. aviculare</i> var. <i>aviculare</i> , <i>S. aviculare</i> var. <i>albiflorum</i> , and <i>S. aviculare</i> var. <i>latifolium</i>
<i>aviculare</i> G.Forst.	–	46	Beuzenberg & Hair 1983: 16
<i>laciniatum</i> Aiton	46	–	Baylis 1954: 639
<i>laciniatum</i> Aiton	–	92	J. B. Hair in Baylis 1954: 639
<i>laciniatum</i> Aiton	–	92	Starý & Štorchová-Burianová 1962: 246–247
<i>laciniatum</i> Aiton	46	–	Baylis 1963: 171, 174
<i>laciniatum</i> Aiton	–	92	Gerasimenko & Reznikova 1968: 508
<i>laciniatum</i> Aiton	–	[92]	Beuzenberg & Hair 1983: 16. Inadvertantly published as <i>2n</i> = 96
STACKHOUSIACEAE			
<i>Stackhousia</i> (1/1)			
<i>minima</i> Hook.f.	10	20	Hair & Beuzenberg 1959: 151
STYLIDIACEAE			
<i>Forstera</i> (1/4)			
<i>mackayi</i> Allan	–	56	Dawson & Beuzenberg 2000: 8, 18
<i>Oreostylidium</i> (1/1)			
<i>subulatum</i> (Hook.f.) Berggr.	15	30	Hair & Beuzenberg 1959: 151
THYMELAEACEAE			
<i>Kelleria</i> (7/9)			
<i>childii</i> Heads	–	18	Dawson 1989: 165; as <i>K. sp.</i> (CH)
<i>dieffenbachii</i> (Hook.) Endl	–	18	Dawson 1989: 165
<i>laxa</i> (Cheeseman) Heads	–	18	Dawson 1989: 165

Taxon	<i>n</i>	<i>2n</i>	Reference
<i>multiflora</i> (Cheeseman) Heads	–	18	Dawson 1989: 165; as <i>K. sp.</i> (<i>Drapetes multiflorus</i>)
<i>paludosa</i> Heads	–	18	Dawson 1989: 165; as <i>K. sp.</i> (P)
<i>tessellata</i> Heads	–	18	Dawson 1989: 165; as <i>K. sp.</i> (T)
<i>villosa</i> var. <i>barbata</i> Heads	–	18	Dawson 1989: 165; as <i>K. villosa</i>
<i>Pimelea</i> (6/19)			
<i>longifolia</i> Sol. ex Wikstr.	18	–	Rattenbury 1957: 937. Erroneously cited as $2n = 18$ in Bolkhovskikh et al. 1969: 708
<i>oreophila</i> C.J.Burrows	18	–	Burrows 1958: 26–29; as <i>P.</i> “longicaule”
<i>oreophila</i> C.J.Burrows	–	72	Dawson & Beuzenberg 2000: 8, 18
<i>oreophila</i> × <i>sericeovillosa</i>	18	–	Burrows 1958: 26–29; as <i>P.</i> “longicaule” × <i>P.</i> “anomala”
<i>prostrata</i> (J.R.Forst. et G.Forst.) Willd. agg.	–	36	Blaise 1959: 131–133; as <i>P. prostrata</i>
<i>prostrata</i> (J.R.Forst. et G.Forst.) Willd. agg.	36	–	Beuzenberg & Hair 1983: 16; as <i>P. prostrata</i> var. <i>prostrata</i>
aff. <i>prostrata</i>	18	–	Burrows 1958: 26–29; as <i>P. prostrata</i> . [<i>P.</i> “Waitaha”, C. J. Burrows pers. comm.]
aff. <i>prostrata</i>	18	–	Beuzenberg & Hair 1983: 16; as <i>P. sp.</i> (aff. <i>P. prostrata</i>). [<i>P.</i> “Waitaha”, C. J. Burrows pers. comm.]
aff. <i>prostrata</i>	–	36	Dawson & Beuzenberg 2000: 8, 18. [<i>P.</i> “Tongariro”, C. J. Burrows pers. comm.]
<i>sericeovillosa</i> Hook.f.	18	–	Burrows 1958: 26–29; as <i>P.</i> “anomala”
<i>traversii</i> Hook.f.	18	–	Burrows 1958: 26–29
<i>urvilleana</i> A.Rich.	18	–	Rattenbury 1957: 937. Erroneously cited as $2n = 18$ in Bolkhovskikh et al. 1969: 708
<i>urvilleana</i> A.Rich.	18	–	Beuzenberg & Hair 1983: 16; as <i>P. prostrata</i> var. <i>quadrifaria</i>
aff. <i>urvilleana</i>	–	36	Dawson & Beuzenberg 2000: 8, 18. [<i>P.</i> “Taranaki”, C. J. Burrows pers. comm.]
(indet.)	18	–	Beuzenberg & Hair 1983: 16; as <i>P. oreophila</i> . [<i>P.</i> aff. “Waitaha” or <i>P.</i> “Waitaha” × <i>P. oreophila</i> ?, C. J. Burrows pers. comm.]
(indet.)	–	36	Dawson & Beuzenberg 2000: 8, 18. [<i>P.</i> “Turakina” in Druce 1993 and Cameron et al. 1995; <i>P.</i> (a) in de Lange et al. 1999a]
TILIACEAE			
<i>Entelea</i> (1/1)			
<i>arborescens</i> R.Br.	16	–	Hair & Beuzenberg 1959: 151
<i>arborescens</i> R.Br.	–	32	Moussel 1966: 315, 323
URTICACEAE			
<i>Australina</i> (1/1)			
<i>pusilla</i> Gaudich.	12	24	Hair & Beuzenberg 1960: 435
<i>Boehmeria</i> (1/1)			
<i>australis</i> var. <i>dealbata</i> (Cheeseman) Sykes	–	28	Beuzenberg & Hair 1983: 16; as <i>B. dealbata</i>
VERBENACEAE			
<i>Teucrium</i> (1/1)			
<i>parvifolium</i> Hook.f.	32	–	Beuzenberg & Hair 1963: 57
<i>Vitex</i> (1/1)			
<i>lucens</i> Kirk	–	64	Dijkgraaf et al. 1995: 425
VIOLACEAE			
<i>Melicactus</i> (10/11)			
<i>alpinus</i> (Kirk) Garn.-Jones	32	64	Beuzenberg & Hair 1959: 535; as <i>Hymenanchera alpina</i> and <i>H. crassifolia</i> (CHR 100870)
<i>alpinus</i> (Kirk) Garn.-Jones	–	64	Beuzenberg 1961: 344; as <i>Hymenanchera alpina</i> and <i>H. crassifolia</i>
<i>alpinus</i> (Kirk) Garn.-Jones	–	63, 64	Dawson 1995a: 479, 484
<i>chathamicus</i> (F.Muell.) Garn.-Jones	16	32	Beuzenberg & Hair 1959: 535; as <i>Hymenanchera chathamica</i>
<i>chathamicus</i> (F.Muell.) Garn.-Jones	–	32	Beuzenberg 1961: 344; as <i>Hymenanchera chathamica</i>
<i>crassifolius</i> × aff. <i>obovatus</i> (monoecious form)	–	48	Murray & de Lange 1999: 513, 519. Putative hybrid
<i>drucei</i> Molloy et B.D.Clarkson	–	48	M. I. Dawson in Molloy & Clarkson 1996: 434. [<i>M.</i> “Egmont” in Druce 1993 and Cameron et al. 1995]

Table 1 (contd) DICOTYLEDONAE

Taxon	<i>n</i>	<i>2n</i>	Reference
VIOLACEAE (contd)			
<i>drucei</i> Molloy et B.D.Clarkson	–	48	Dawson & Beuzenberg 2000: 8, 18. [<i>M.</i> "Egmont" in Druce 1993 and Cameron et al. 1995]
<i>flexuosus</i> Molloy et A.P.Druce	16	32	Beuzenberg & Hair 1959: 535; as <i>Hymenanchera angustifolia</i> (CHR 101748, CHR 200183). See Molloy & Druce 1994: 117. [<i>M.</i> "flexuose" in Druce 1993]
<i>flexuosus</i> Molloy et A.P.Druce	–	32	Beuzenberg 1961: 344; as <i>Hymenanchera angustifolia</i> . [<i>M.</i> "flexuose" in Druce 1993]
<i>lanceolatus</i> Hook.f.	–	32	Beuzenberg 1961: 344
<i>lanceolatus</i> Hook.f. var. <i>lanceolatus</i>	16	32	Beuzenberg & Hair 1959: 534
<i>lanceolatus</i> var. <i>latior</i> G.Simpson et J.S.Thomson	–	32	Beuzenberg & Hair 1959: 534
<i>lanceolatus</i> × <i>chathamicus</i>	16 _{II}	32	Beuzenberg 1961: 344–346; as <i>M. lanceolatus</i> × <i>Hymenanchera chathamica</i> . Putative hybrid
<i>macrophyllus</i> A.Cunn.	16	32	Beuzenberg & Hair 1959: 534
<i>macrophyllus</i> A.Cunn.	–	32	Beuzenberg 1961: 344
<i>macrophyllus</i> × <i>lanceolatus</i>	irregular	32	Beuzenberg 1961: 344–346. Putative hybrid
<i>micranthus</i> var. <i>longiusculus</i> ?	–	64	Beuzenberg & Hair 1959: 534. Possibly a count from a hybrid plant
<i>micranthus</i> var. <i>longiusculus</i> ?	–	64	Beuzenberg 1961: 344. Possibly a count from a hybrid plant
<i>micranthus</i> var. <i>longiusculus</i> × <i>micranthus</i> var. <i>micranthus</i>	–	64, 80	Beuzenberg 1961: 344–345. Putative hybrids
<i>micranthus</i> Hook.f. var. <i>micranthus</i>	48	96	Beuzenberg & Hair 1959: 534
<i>micranthus</i> Hook.f. var. <i>micranthus</i>	–	96	Beuzenberg 1961: 344
<i>micranthus</i> var. <i>microphyllus</i> (Colenso) Cheeseman	–	96	Beuzenberg & Hair 1959: 534
<i>micranthus</i> var. <i>microphyllus</i> (Colenso) Cheeseman	–	96	Beuzenberg 1961: 344
<i>novae-zelandiae</i> (A.Cunn.) P.S.Green	16	32	Beuzenberg & Hair 1959: 535; as <i>Hymenanchera novae-zelandiae</i>
<i>novae-zelandiae</i> (A.Cunn.) P.S.Green	–	32	Beuzenberg 1961: 344; as <i>Hymenanchera novae-zelandiae</i>
<i>obovatus</i> (Kirk) Garn.-Jones	16	32	Beuzenberg & Hair 1959: 535; as <i>Hymenanchera obovata</i>
<i>obovatus</i> (Kirk) Garn.-Jones	–	32	Beuzenberg 1961: 344; as <i>Hymenanchera obovata</i>
<i>obovatus</i> (Kirk) Garn.-Jones	–	32	Murray & de Lange 1999: 513, 519; as <i>M.</i> aff. <i>obovatus</i> (Mt Burnett form)
aff. <i>obovatus</i> (monoecious form)	–	32	Murray & de Lange 1999: 513, 519
<i>ramiflorus</i> J.R.Forst. et G.Forst.	16	32	Beuzenberg & Hair 1959: 534
<i>ramiflorus</i> J.R.Forst. et G.Forst.	–	32	Beuzenberg 1961: 344
(indet.)	32	–	Beuzenberg & Hair 1959: 535; as <i>Hymenanchera angustifolia</i> (CHR 200184, CHR 200185). [<i>M.</i> "Brockie" in Druce 1993]
(indet.)	–	64	Beuzenberg 1961: 344; as <i>Hymenanchera angustifolia</i> tetraploid, hermaphrodite race. See Molloy & Druce 1994: 117. [<i>M.</i> "Brockie" in Druce 1993]
(indet.)	–	64	Dawson 1995a: 479, 484; as <i>M.</i> sp. (undescribed) (CHR 483933). [<i>M.</i> "Brockie" in Druce 1993]
(indet.)	32	64	Beuzenberg & Hair 1959: 535; as <i>Hymenanchera crassifolia</i> (CHR 200192, CHR 200193)
(indet.)	–	64	Dawson 1995a: 479, 484; as <i>M.</i> sp. (undescribed) (CHR 478639)
<i>Viola</i> (3/3)			
<i>cunninghamii</i> Hook.f.	24	48	Beuzenberg & Hair 1959: 533
<i>filicaulis</i> Hook.f.	36	–	Beuzenberg & Hair 1959: 533
<i>hyallii</i> Hook.f.	12	24	Beuzenberg & Hair 1959: 533
VISCACEAE			
<i>Korthalsella</i> (3/3)			
<i>clavata</i> (Kirk) Cheeseman	–	28	Beuzenberg & Groves 1974: 213; as <i>K. lindsayi</i> var. <i>clavata</i>
<i>lindsayi</i> (Oliv.) Engl.	–	28	Beuzenberg & Groves 1974: 213
<i>salicornioides</i> (A.Cunn.) Tiegh.	–	28	Beuzenberg & Groves 1974: 213

Taxon	<i>n</i>	<i>2n</i>	Reference
WINTERACEAE			
<i>Pseudowintera</i> (3/3)			
<i>axillaris</i> (J.R.Forst. et G.Forst.) Dandy	43	—	J. B. Hair in Raven & Kyhos 1965: 245
<i>axillaris</i> (J.R.Forst. et G.Forst.) Dandy	43	—	Hair 1966: 569; as <i>Pseudowintera</i> . Species name not stated
<i>axillaris</i> (J.R.Forst. et G.Forst.) Dandy	43	—	Hair & Beuzenberg 1966: 257
<i>colorata</i> (Raoul) Dandy	43	—	J. B. Hair in Raven & Kyhos 1965: 245
<i>colorata</i> (Raoul) Dandy	43	—	Hair 1966: 569; as <i>Pseudowintera</i> . Species name not stated
<i>colorata</i> (Raoul) Dandy	43	—	Hair & Beuzenberg 1966: 257
<i>traversii</i> (Buchanan) Dandy	43	—	Hair 1966: 569; as <i>Pseudowintera</i> . Species name not stated
<i>traversii</i> (Buchanan) Dandy	43	—	Hair & Beuzenberg 1966: 257
MONOCOTYLEDONAE			
AGAVACEAE			
<i>Cordyline</i> (5/5)			
<i>australis</i> (G.Forst.) Endl.	—	38	Bowden 1940: 363
<i>australis</i> (G.Forst.) Endl.	—	38	Bowden 1945: 92
<i>australis</i> (G.Forst.) Endl.	19 _{II}	—	Rattenbury 1957: 938
<i>australis</i> (G.Forst.) Endl.	19	38	Hair & Beuzenberg 1968: 22
<i>australis</i> (G.Forst.) Endl.	—	38	Dawson & Beuzenberg 2000: 2–3
<i>australis</i> 'Karo Kiri'	—	38	M. I. Dawson in Heenan et al. 1994: 2–3. Ornamental cultivar
<i>australis</i> 'Karo Kiri'	—	38	Dawson 1995a: 478, 481. Ornamental cultivar
<i>banksii</i> Hook.f.	19 _{II}	—	Rattenbury 1957: 938
<i>banksii</i> Hook.f.	19	38	Hair & Beuzenberg 1968: 22
<i>indivisa</i> (G.Forst.) Steud.	—	38	Satô 1942: 110, 121
<i>indivisa</i> (G.Forst.) Steud.	—	38	Hair & Beuzenberg 1968: 22
<i>indivisa</i> (G.Forst.) Steud.	—	38	Mathew & Vijayavalli 1989: 573
<i>kaspar</i> W.R.B.Oliv.	19	—	Rattenbury 1957: 938; as <i>C. sp.</i> Three Kings Island, N. Auckland
<i>kaspar</i> W.R.B.Oliv.	—	38	Hair & Beuzenberg 1968: 22
<i>pumilio</i> Hook.f.	19 _{II}	—	Rattenbury 1957: 938
<i>pumilio</i> Hook.f.	—	38	Hair & Beuzenberg 1968: 22
ANTHERICACEAE			
<i>Arthropodium</i> (2/2)			
<i>candidum</i> Raoul	11	22	Hair 1942: 272; as <i>A. candidum</i> and <i>A. candidum</i> var. <i>purpuratum</i>
<i>candidum</i> Raoul	11	—	Hair 1963b: 244
<i>candidum</i> Raoul	—	22	Westphalen & Conran 1994: 380
<i>cirratum</i> (G.Forst.) R.Br.	22	—	Bowden 1940: 363
<i>cirratum</i> (G.Forst.) R.Br.	22	44	Hair 1942: 272
<i>cirratum</i> (G.Forst.) R.Br.	22	—	Bowden 1945: 92
<i>cirratum</i> (G.Forst.) R.Br.	22	—	Hair 1963b: 245
<i>cirratum</i> (G.Forst.) R.Br.	—	44	Westphalen & Conran 1994: 379–380
<i>cirratum</i> ?	—	36	Satô 1942: 64, 114; as <i>A. cirrhatum</i> . Count or identity uncertain
<i>Herpolirion</i> (1/1)			
<i>novae-zelandiae</i> Hook.f.	—	16	Hair & Beuzenberg 1968: 23
ASPHODELACEAE			
<i>Bulbinella</i> (6/6)			
<i>angustifolia</i> (Cockayne et Laing) L.B.Moore	—	14	Hair & Beuzenberg 1966: 256
<i>gibbsii</i> var. <i>balanifera</i> L.B.Moore	—	14	Hair & Beuzenberg 1966: 257
<i>gibbsii</i> Cockayne var. <i>gibbsii</i>	—	14	Hair & Beuzenberg 1966: 257
<i>hookeri</i> (Hook.) Cheeseman	7	14	Hair 1942: 272; as <i>Chrysobactron hookeri</i>
<i>hookeri</i> (Hook.) Cheeseman	—	14	Hair & Beuzenberg 1966: 257
<i>modesta</i> L.B.Moore	—	14	Hair & Beuzenberg 1966: 257
<i>rossii</i> (Hook.f.) Cheeseman	—	14	J. B. Hair in Darlington & Wylie 1955: 364; as <i>Chrysobactron rossii</i>

Table 1 (contd) MONOCOTYLEDONAE

Taxon	<i>n</i>	<i>2n</i>	Reference
ASPHODELACEAE (contd)			
<i>rossii</i> (Hook.f.) Cheeseman	–	14	Hair & Beuzenberg 1966: 257
<i>talbotii</i> L.B.Moore	–	14	Hair & Beuzenberg 1966: 257
ASTELIACEAE			
<i>Astelia</i> (7/13)			
<i>banksii</i> A.Cunn.	35	–	Wheeler 1966: 100
<i>fragrans</i> Colenso	35	70	Wheeler 1966: 100; as <i>A. nervosa</i> var. <i>silvestris</i>
<i>grandis</i> Kirk	–	140	Wheeler 1966: 100; as <i>A. nervosa</i>
<i>nervosa</i> Hook.f.	105	–	Wheeler 1966: 100; as <i>A. cockaynei</i> . [<i>A. "nervosa bronze"</i> in Druce 1993]
<i>petriei</i> Cockayne	–	c. 210	Dawson & Beuzenberg 2000: 2–3
<i>solandri</i> A.Cunn.	35	70	Wheeler 1966: 100
<i>trinervia</i> Kirk	105	–	Wheeler 1966: 100
<i>Collospermum</i> (2/2)			
<i>hastatum</i> (Colenso) Skottsb.	35	–	Wheeler 1966: 100
<i>microspermum</i> (Colenso) Skottsb.	35	70	Wheeler 1966: 100
COLCHICACEAE			
<i>Iphigenia</i> (1/1)			
<i>novae-zelandiae</i> (Hook.f.) Baker	–	20	Hair & Beuzenberg 1966: 257
CYPERACEAE			
<i>Carex</i> (9/77)			
<i>albula</i> Allan	–	c. 60	Dawson & Beuzenberg 2000: 5, 12
<i>impexa</i> K.A.Ford	–	66	M. I. Dawson in Ford 1998: 590. [<i>C. "Brockie"</i> in Druce 1993]
<i>impexa</i> K.A.Ford	–	66	Dawson & Beuzenberg 2000: 5, 12. [<i>C. "Brockie"</i> in Druce 1993]
<i>inopinata</i> V.J.Cook	–	c. 64	Murray & de Lange 1999: 512, 516
<i>ophiolithica</i> de Lange et Heenan	–	c. 63	Dawson & Beuzenberg 2000: 5, 12
<i>secta</i> Boott	–	c. 70 (69–70)	Heenan et al. 1997: 162
<i>secta</i> Boott	–	c. 70	Murray & de Lange 1999: 512, 516
<i>spinirostris</i> Colenso	–	60–66	Dawson & Beuzenberg 2000: 5, 12
<i>tenuiculmis</i> (Petrie) Heenan et de Lange	–	c. 66 (65–66)	Heenan et al. 1997: 162. [<i>C. "tenuiculmis"</i> in Druce 1993 and Cameron et al. 1995]
<i>tenuiculmis</i> (Petrie) Heenan et de Lange	–	c. 66	Murray & de Lange 1999: 512, 516. [<i>C. "tenuiculmis"</i> in Druce 1993 and Cameron et al. 1995]
<i>trifida</i> Cav.	–	60	Moore 1960: 187
<i>uncifolia</i> Cheeseman	–	c. 60	Murray & de Lange 1999: 512, 516
<i>Eleocharis</i> (1/5)			
<i>acuta</i> R.Br.	–	20	Briggs 1970b: 131
<i>Isolepis</i> (1/17)			
<i>aucklandica</i> Hook.f.	21	42	Moore 1960: 187; as <i>Scirpus aucklandicus</i>
<i>Uncinia</i> (32/32)			
<i>affinis</i> (C.B.Clarke) Hamlin	–	88	Beuzenberg 1970: 261. [<i>U. "pseudoaffinis"</i> in Druce 1993]
<i>angustifolia</i> Hamlin	–	88	Beuzenberg 1970: 261
<i>astonii</i> Hamlin	–	88	Beuzenberg 1970: 261
<i>aucklandica</i> Hamlin	–	88	Beuzenberg 1970: 261
<i>banksii</i> Boott	–	88	Beuzenberg 1970: 261
<i>caespitosa</i> Boott	–	88	Beuzenberg 1970: 261
<i>clavata</i> (Kük.) Hamlin	–	88	Beuzenberg 1970: 261
<i>distans</i> Boott	–	88	Beuzenberg 1970: 261

Taxon	<i>n</i>	<i>2n</i>	Reference
<i>divaricata</i> Boott	—	88	Beuzenberg 1970: 261
<i>drucei</i> Hamlin	—	88	Beuzenberg 1970: 261
<i>egmontiana</i> Hamlin	—	88	Beuzenberg 1970: 261
<i>elegans</i> (Kük.) Hamlin	—	94	Beuzenberg 1970: 260
<i>ferruginea</i> Boott	—	88	Beuzenberg 1970: 261
<i>filiformis</i> Boott	—	88	Beuzenberg 1970: 261
<i>fuscovaginata</i> Kük.	—	88	Beuzenberg 1970: 261
<i>gracilentia</i> Hamlin	—	88	Beuzenberg 1970: 261
<i>hookeri</i> Boott	—	88	Beuzenberg 1970: 261
<i>involuta</i> Hamlin	—	88	Beuzenberg 1970: 261
<i>laxiflora</i> Petrie	—	88	Beuzenberg 1970: 261
<i>leptostachya</i> Raoul	—	88	Beuzenberg 1970: 260
<i>longifructus</i> (Kük.) Petrie	—	88	Beuzenberg 1970: 261
<i>obtusifolia</i> Heenan	—	88	Beuzenberg 1970: 261; as <i>U. nervosa</i> . [<i>U. "nervosa fine"</i> in Druce 1993; <i>U. "fine nervosa"</i> in Wilson 1982: 354 and Johnson & Brooke 1989: 128]
<i>purpurata</i> Petrie	—	88	Beuzenberg 1970: 261
<i>rubra</i> Boott	—	88	Beuzenberg 1970: 261
<i>rupestris</i> Raoul	—	88	Beuzenberg 1970: 261
<i>scabra</i> Boott	—	88	Beuzenberg 1970: 260
<i>silvestris</i> Hamlin	—	88	Beuzenberg 1970: 261
<i>sinclairii</i> Boott	—	94	Beuzenberg 1970: 260
<i>strictissima</i> (Kük.) Petrie	—	88	Beuzenberg 1970: 261
<i>uncinata</i> (L.f.) Kük.	—	88	Beuzenberg 1970: 261
<i>viridis</i> (C.B. Clarke) Edgar	—	88	Beuzenberg 1970: 261; as <i>U. caespitosa</i> var. <i>viridis</i>
<i>zotovii</i> Hamlin	—	88	Beuzenberg 1970: 261

IRIDACEAE*Libertia* (4/4)

<i>grandiflora</i> (R.Br.) Sweet	57	6x [114]	Hair et al. 1967: 187–188
<i>grandiflora</i> (R.Br.) Sweet	57	—	E. J. Beuzenberg & J. B. Hair in Moore 1967: 257, 267, 269
<i>ixioides</i> (G.Forst.) Spreng.	114	12x [228]	Hair et al. 1967: 188
<i>ixioides</i> (G.Forst.) Spreng.	114	—	E. J. Beuzenberg & J. B. Hair in Moore 1967: 267–268
<i>peregrinans</i> Cockayne et Allan	57	6x [114]	Hair et al. 1967: 188
<i>peregrinans</i> Cockayne et Allan	57	—	E. J. Beuzenberg & J. B. Hair in Moore 1967: 266–267
<i>pulchella</i> (R.Br.) Spreng.	19	38	Hair et al. 1967: 187
<i>pulchella</i> (R.Br.) Spreng.	19	—	E. J. Beuzenberg & J. B. Hair in Moore 1967: 267
(indet.)	114	12x [228]	Hair et al. 1967: 187; as <i>L. grandiflora</i> (CHR 129196, CHR 174779). [<i>L. "Omaha"</i> in Druce 1993]
(indet.)	114	228	E. J. Beuzenberg & J. B. Hair in Moore 1967: 269–270; as <i>L. grandiflora</i> . [<i>L. "Omaha"</i> in Druce 1993]

JUNCACEAE*Juncus* (3/17)

<i>gregiflorus</i> L.A.S. Johnson	—	40	Beuzenberg & Hair 1983: 15
<i>novae-zelandiae</i> Hook.f.	—	40	Zandee 1981: 245, 250
<i>scheuchzerioides</i> Gaudich.	—	40	Moore 1960: 187

Luzula (12/12)

<i>banksiana</i>	—	12	Collet & Westerman 1987: 96–97
<i>banksiana</i> var. <i>acra</i> Edgar	—	12	Hair 1967b: 18
<i>banksiana</i> E.Mey. var. <i>banksiana</i>	—	12	Nordenskiöld 1966: 187
<i>banksiana</i> E.Mey. var. <i>banksiana</i>	—	12	Hair 1967b: 18
<i>banksiana</i> var. <i>migrata</i> (Buchenau) Edgar	—	12	Nordenskiöld 1966: 187
<i>banksiana</i> var. <i>migrata</i> (Buchenau) Edgar	—	12	Hair 1967b: 18
<i>banksiana</i> var. <i>orina</i> Edgar	—	12	Nordenskiöld 1966: 188
<i>banksiana</i> var. <i>orina</i> Edgar	—	12	Hair 1967b: 18
<i>banksiana</i> var. <i>rhadina</i> (Buchenau) Edgar	—	12	Nordenskiöld 1966: 187
<i>banksiana</i> var. <i>rhadina</i> (Buchenau) Edgar	—	12	Hair 1967b: 18
<i>celata</i> Edgar	—	12	J. B. Hair in Edgar 1966: 165, 182

Table 1 (contd) MONOCOTYLEDONAE

Taxon	<i>n</i>	<i>2n</i>	Reference
JUNCACEAE (contd)			
<i>celata</i> Edgar	-	12	Hair 1967b: 18
<i>colensoi</i> Hook.f.	-	12	Nordenskiöld 1966: 188
<i>colensoi</i> Hook.f.	-	12	Hair 1967b: 18
<i>crenulata</i> Buchenau	-	12	Nordenskiöld 1966: 188
<i>crenulata</i> Buchenau	-	12	H. Nordenskiöld in Hair 1967b: 18
<i>crinita</i> Hook.f. var. <i>crinita</i>	-	12	Moore 1960: 187; as <i>L. campestris</i> var. <i>crinata</i>
<i>crinita</i> Hook.f. var. <i>crinita</i>	-	12	Hair 1967b: 18
<i>crinita</i> var. <i>petrieana</i> (Buchenau) Edgar	-	12	Hair 1967b: 18
<i>decipiens</i> Edgar	-	12	Dawson & Beuzenberg 2000: 5, 13
<i>leptophylla</i> Buchenau et Petrie	-	12	Nordenskiöld 1966: 188
<i>leptophylla</i> Buchenau et Petrie	-	12	H. Nordenskiöld in Hair 1967b: 18
<i>picta</i>	-	12	Collet & Westerman 1987: 96-97
<i>picta</i> var. <i>limosa</i> Edgar	-	12	Nordenskiöld 1966: 188
<i>picta</i> var. <i>limosa</i> Edgar	-	12	Hair 1967b: 18
<i>picta</i> var. <i>pallida</i> (Hook.f.) Edgar	-	12	Nordenskiöld 1966: 188
<i>picta</i> var. <i>pallida</i> (Hook.f.) Edgar	-	12	Hair 1967b: 18
<i>picta</i> A.Rich. var. <i>picta</i>	-	12	Nordenskiöld 1966: 188
<i>picta</i> A.Rich. var. <i>picta</i>	-	12	Hair 1967b: 18
<i>pumila</i> Hook.f.	-	12	Nordenskiöld 1966: 188
<i>pumila</i> Hook.f.	-	12	Hair 1967b: 19
<i>rufa</i>	-	12	Collet & Westerman 1987: 96-97
<i>rufa</i> var. <i>albicomans</i> Edgar	-	12	Nordenskiöld 1966: 187
<i>rufa</i> var. <i>albicomans</i> Edgar	-	12	Hair 1967b: 19
<i>rufa</i> Edgar var. <i>rufa</i>	-	12	Nordenskiöld 1966: 186-187
<i>rufa</i> Edgar var. <i>rufa</i>	-	12	Hair 1967b: 19
<i>traversii</i> var. <i>tenuis</i> Edgar	-	46	Nordenskiöld 1966: 186
<i>traversii</i> var. <i>tenuis</i> Edgar	-	42	Hair 1967b: 19
<i>traversii</i> var. <i>tenuis</i> Edgar	-	38-42	Dawson & Beuzenberg 2000: 5, 14
<i>traversii</i> (Buchenau) Cheeseman var. <i>traversii</i>	-	46	Nordenskiöld 1966: 186
<i>traversii</i> (Buchenau) Cheeseman var. <i>traversii</i>	-	32	Hair 1967b: 19
<i>traversii</i> (Buchenau) Cheeseman var. <i>traversii</i>	-	32, 38-42, 40-44, (27-29, 30-34, 48)	Dawson & Beuzenberg 2000: 5, 13
<i>ulophylla</i> (Buchenau) Cockayne et Laing	-	48	Nordenskiöld 1966: 186
<i>ulophylla</i> (Buchenau) Cockayne et Laing	-	44	Hair 1967b: 19
Rostkovia (1/1)			
<i>magellanica</i> (Lam.) Hook.f.	-	56	Beuzenberg & Hair 1983: 15
JUNCAGINACEAE			
Triglochin (2/2)			
<i>palustris</i> L.	-	24	Murray & de Lange 1999: 512, 516
<i>striata</i> Ruiz et Pav.	-	24	Murray & de Lange 1999: 512, 516
LEMNACEAE			
Lemna (1/1)			
<i>minor</i> L.	-	20, 40, 42	Urbanska-Worytkiewicz 1975: 383
<i>minor</i> L.	-	20, 30, 40, 42	Urbanska-Worytkiewicz 1980: 44, 58-61
Wolffia (1/1)			
<i>australiana</i> (Benth.) Hartog et Plas	-	20, 40	Urbanska-Worytkiewicz 1980: 77, 82-83.
LUZURIAGACEAE			
Luzuriaga (1/1)			
<i>parviflora</i> (Hook.f.) Kunth	-	20	Beuzenberg & Hair 1963: 56

Taxon	<i>n</i>	<i>2n</i>	Reference
ORCHIDACEAE			
<i>Acianthus</i> (1/1)			
<i>sinclairii</i> Hook.f.	—	40	M. I. Dawson & E. J. Beuzenberg (erroneously as Molloy pers. comm.) in Kores 1995: 131
<i>Corybas</i> (4/c. 13)			
<i>carsei</i> (Cheeseman) Hatch	—	36	Murray & de Lange 1999: 513, 517
<i>iridescens</i> Irwin et Molloy	—	36	M. I. Dawson in Molloy & Irwin 1996: 4
<i>orbiculatus</i> (Colenso) L.B.Moore	—	36	M. I. Dawson in Molloy & Irwin 1996: 9
<i>papa</i> Molloy et Irwin	—	36	M. I. Dawson in Molloy & Irwin 1996: 7
<i>Cyrtostylis</i> (1/2)			
<i>oblonga</i> Hook.f.	—	44–46	M. I. Dawson & E. J. Beuzenberg (erroneously as Molloy pers. comm.) in Kores 1995: 131; as <i>Acianthus oblongus</i>
<i>Drymoanthus</i> (2/2)			
<i>adversus</i> (Hook.f.) Dockrill	—	76	M. I. Dawson in Molloy & St George 1994: 416
<i>adversus</i> (Hook.f.) Dockrill	—	76	M. I. Dawson in Campbell 1996: 101
<i>flavus</i> St.George et Molloy	—	38	M. I. Dawson in Molloy & St George 1994: 416
<i>flavus</i> St.George et Molloy	—	38	M. I. Dawson in Campbell 1996: 101
<i>Microtis</i> (2/c. 3)			
<i>oligantha</i> L.B.Moore	—	44	E. J. Beuzenberg (erroneously as Molloy pers. comm.) in Bates 1984: 50, 76
<i>unifolia</i> (G.Forst.) Rchb.f.	—	88	E. J. Beuzenberg (erroneously as Molloy pers. comm.) in Bates 1984: 50, 76
<i>Thelymitra</i> (13/c. 16)			
<i>aemula</i> Cheeseman	—	40	M. I. Dawson & E. J. Beuzenberg in Molloy & Hatch 1990a: 106, 113
<i>aemula</i> Cheeseman	—	40	(M. I. Dawson & E. J. Beuzenberg in) Molloy & Hatch 1990b: 24
<i>aemula</i> Cheeseman	—	40	Molloy & Dawson 1998: 105
<i>carnea</i> R.Br.	—	62	Molloy & Dawson 1998: 105
<i>cyanea</i> (Lindl.) Benth.	—	40	Molloy & Dawson 1998: 105
<i>decora</i> Cheeseman	—	54	Molloy & Dawson 1998: 105
<i>formosa</i> Colenso	—	40	Molloy & Dawson 1998: 105
<i>hatchii</i> L.B.Moore	—	66	Molloy & Dawson 1998: 105
<i>ixioides</i> Sw.	—	28	Molloy & Dawson 1998: 105
aff. <i>ixioides</i>	—	28	M. I. Dawson & E. J. Beuzenberg in Molloy & Hatch 1990a: 106, 113; as <i>T.</i> (spotted form)
aff. <i>ixioides</i>	—	28	(M. I. Dawson & E. J. Beuzenberg in) Molloy & Hatch 1990b: 24; as <i>T. ixioides</i>
<i>longifolia</i> J.R.Forst. et G.Forst.	—	26	Hair 1942: 272
<i>longifolia</i> J.R.Forst. et G.Forst.	—	26	Molloy & Dawson 1998: 105
<i>malvina</i> M.A.Clem., D.L.Jones et Molloy	—	26	M. I. Dawson (erroneously as E. J. Beuzenberg pers. comm.) in Clements et al. 1991: 59
<i>malvina</i> M.A.Clem., D.L.Jones et Molloy	—	26	Molloy & Dawson 1998: 105
<i>pauciflora</i> R.Br.	—	26	Molloy & Dawson 1998: 105
aff. <i>pauciflora</i>	—	60	Molloy & Dawson 1998: 105; as <i>T.</i> spp. [<i>T.</i> “darkie” in Druce 1993 and St George et al. 1996]
aff. <i>pauciflora</i>	—	60	Molloy & Dawson 1998: 105; as <i>T.</i> spp. [<i>T.</i> “pauciflora wet”]
aff. <i>pauciflora</i>	—	84	Molloy & Dawson 1998: 105; as <i>T.</i> spp. [<i>T.</i> “rough leaf” in Druce 1993, Cameron et al. 1995, and St George et al. 1996]
aff. <i>pauciflora</i>	—	84	Molloy & Dawson 1998: 105; as <i>T.</i> spp.
<i>pulchella</i> Hook.f.	—	66	Molloy & Dawson 1998: 105
<i>pulchella</i> × <i>longifolia</i> (<i>T. xdentata</i>)	—	45–46	Molloy & Dawson 1998: 105. Putative hybrid
<i>sanscilia</i> Irwin ex Hatch	—	26	Molloy & Dawson 1998: 105
<i>tholiformis</i> Molloy et Hatch	—	66	M. I. Dawson & E. J. Beuzenberg in Molloy & Hatch 1990a: 112–113
<i>tholiformis</i> Molloy et Hatch	—	66	(M. I. Dawson & E. J. Beuzenberg in) Molloy & Hatch 1990b: 24
<i>tholiformis</i> Molloy et Hatch	—	66	Molloy & Dawson 1998: 105

Table 1 (contd) MONOCOTYLEDONAE

Taxon	<i>n</i>	<i>2n</i>	Reference
ORCHIDACEAE (contd)			
<i>Townsonia</i> (1/1)			
<i>deflexa</i> Cheeseman	–	28	M. I. Dawson & E. J. Beuzenberg (erroneously as Molloy pers. comm.) in Kores 1995: 131; as <i>T. viridis</i>
<i>Winika</i> (1/1)			
<i>cunninghamii</i> (Lindl.) M.A.Clem., D.L.Jones et Molloy	–	38	Jones et al. 1982: 223; as <i>Dendrobium cunninghamii</i>
<i>cunninghamii</i> (Lindl.) M.A.Clem., D.L.Jones et Molloy	–	40	(E. J. Beuzenberg in) Campbell 1996: 103; as <i>Dendrobium cunninghamii</i>
PHORMIACEAE			
<i>Dianella</i> (1/1)			
<i>nigra</i> Colenso	8	16	Hair 1942: 272; as <i>D. intermedia</i>
<i>nigra</i> Colenso	8	16	Beuzenberg & Hair 1963: 56; as <i>D. intermedia</i> var. <i>norfolkensis</i>
<i>Phormium</i> (2/2)			
<i>cookianum</i> Le Jol.	16	32	Hair & Beuzenberg 1966: 256; as <i>P. colensoi</i>
<i>tenax</i> J.R.Forst. et G.Forst.	–	32	Satō 1942: 112, 122
<i>tenax</i> J.R.Forst. et G.Forst.	–	32	Satō 1953: 189
<i>tenax</i> J.R.Forst. et G.Forst.	16	–	Cave 1955: 249
<i>tenax</i> J.R.Forst. et G.Forst.	–	32	Hair & Beuzenberg 1966: 256
<i>Xeronema</i> (1/1)			
<i>callistemon</i> W.R.B.Oliv.	–	36	Rattenbury 1957: 938
<i>callistemon</i> W.R.B.Oliv.	–	34	Hair & Beuzenberg 1966: 257
POACEAE (GRAMINEAE)			
<i>Agrostis</i> (5/10)			
<i>dyeri</i> Petrie	21	–	Beuzenberg & Hair 1983: 14
<i>magellanica</i> Lam.	–	72	Moore 1960: 187
<i>magellanica</i> Lam.	42	–	Beuzenberg & Hair 1983: 14
<i>muelleriana</i> Vickery	21	–	Beuzenberg & Hair 1983: 14; as <i>A. subulata</i> . See Edgar & Forde 1991: 143
<i>muscosa</i> Kirk	21	–	Beuzenberg & Hair 1983: 14
<i>personata</i> Edgar	21	–	Beuzenberg & Hair 1983: 14; as <i>A. dyeri</i> and <i>A. parviflora</i> . See Edgar & Forde 1991: 143
<i>Anemanthele</i> (1/1)			
<i>lessoniana</i> (Steud.) Veldkamp	–	40–44	Dawson & Beuzenberg 2000: 6, 14
<i>Australopyrum</i> (1/1)			
<i>calcis</i> Connor et Molloy subsp. <i>calcis</i>	–	14	Connor et al. 1993: 2, 8
<i>calcis</i> subsp. <i>optatum</i> Connor et Molloy	–	14	Connor et al. 1993: 2, 8
<i>Austrofestuca</i> (1/1)			
<i>littoralis</i> (Labill.) E.B.Alexeev	–	28	Hair 1968: 271; as <i>Poa triodioides</i>
<i>littoralis</i> (Labill.) E.B.Alexeev	–	28	Beuzenberg & Hair 1983: 14; as <i>Festuca littoralis</i>
<i>Chionochloa</i> (16/22)			
<i>acicularis</i> Zotov	–	c. 42	Dawson 1989: 164
<i>antarctica</i> (Hook.f.) Zotov	–	42	Beuzenberg & Hair 1983: 14
<i>antarctica</i> (Hook.f.) Zotov	–	42	Dawson 1989: 164
<i>australis</i> (Buchanan) Zotov	–	42	Dawson 1989: 164
<i>australis</i> ?	–	36	Calder 1937: 7; as <i>Danthonia australis</i> . Count or identity uncertain; see Zotov 1963: 89 and Connor 1991: 224
<i>beddiei</i> Zotov	–	42	Dawson 1989: 164
<i>bromoides</i> (Hook.f.) Zotov	–	42	Dawson 1989: 164
<i>conspicua</i> (G.Forst.) Zotov subsp. <i>conspicua</i>	21	42	Calder 1937: 7; as <i>Danthonia cunninghamii</i> . See Zotov 1963: 89

Taxon	<i>n</i>	<i>2n</i>	Reference
<i>crassiuscula</i> ?	—	36	Calder 1937: 7; as <i>Danthonia crassiuscula</i> . Count or identity uncertain; see Zotov 1963: 89 and Connor 1991: 224
<i>crassiuscula</i> × <i>oreophila</i>	—	c. 42	Dawson 1989: 165. Putative hybrid
<i>flavescens</i> Zotov	21	—	Calder 1937: 7; as <i>Danthonia raoulii</i> var. <i>flavescens</i> . See Zotov 1963: 89
<i>flavicans</i> Zotov	—	42	Dawson 1989: 164
<i>macra</i> Zotov	—	42	Dawson 1989: 164
<i>oreophila</i> (Petrie) Zotov	—	42	Dawson 1989: 165
<i>oreophila</i> ?	—	36	Calder 1937: 7; as <i>Danthonia oreophila</i> . Count or identity uncertain; see Zotov 1963: 89 and Connor 1991: 224
<i>oreophila</i> × <i>pallens</i>	—	c. 42	Dawson 1989: 165. Putative hybrid
<i>ovata</i> (Buchanan) Zotov	—	c. 42	Dawson 1989: 165
<i>pallens</i> subsp. <i>cadens</i> Connor	—	42	Dawson 1989: 165; as <i>C. pallens</i> (CHR 439665)
<i>pallens</i> subsp. <i>pilosa</i> Connor	—	42	Dawson 1989: 165; as <i>C. pallens</i> (CHR 437929)
<i>rigida</i> (Raoul) Zotov	—	42	Calder 1937: 7; as <i>Danthonia raoulii</i> . See Zotov 1963: 89
<i>rubra</i> Zotov	—	42	Calder 1937: 7; as <i>Danthonia raoulii</i> var. <i>rubra</i> . See Zotov 1963: 89
<i>spiralis</i> Zotov	—	42	Dawson 1989: 165
<i>teretifolia</i> (Petrie) Zotov	—	42	Calder 1937: 7; as <i>Danthonia ovata</i> . See Zotov 1963: 89
<i>Cortaderia</i> (4/5)			
<i>fulvida</i> (Buchanan) Zotov	—	90	Hair & Beuzenberg 1966: 256
<i>richardii</i> (Endl.) Zotov	—	90	Hair & Beuzenberg 1966: 256
<i>splendens</i> Connor	—	90	E. J. Beuzenberg in Connor 1971: 521, 523
<i>splendens</i> Connor	45	90	Dawson & Beuzenberg 2000: 6, 14
<i>toetoe</i> Zotov	—	90	Hair & Beuzenberg 1966: 256
<i>Deschampsia</i> (3/5)			
<i>cespitosa</i> (L.) P.Beauv.	—	26	Beuzenberg & Hair 1983: 14
<i>cespitosa</i> (L.) P.Beauv.	—	26	F. Albers in Edgar & Connor 2000: 3
<i>chapmanii</i> Petrie	—	28	Moore 1960: 187
<i>chapmanii</i> Petrie	—	26	F. Albers in Edgar & Connor 2000: 3
<i>tenella</i> Petrie	—	26	F. Albers in Edgar & Connor 2000: 3
<i>Dichelachne</i> (2/4)			
<i>crinita</i> (L.f.) Hook.f.	—	70	Beuzenberg & Hair 1983: 14
<i>lautumia</i> Edgar et Connor	—	70(+2f)	M. I. Dawson in Edgar & Connor 1999: 68. [<i>Deyeuxia</i> "Flaxbourne" and <i>Deyeuxia</i> "Waima" in Druce 1993 and Cameron et al. 1995]
<i>lautumia</i> Edgar et Connor	—	70(+2f)	Dawson & Beuzenberg 2000: 6, 14. [<i>Deyeuxia</i> "Flaxbourne" and <i>Deyeuxia</i> "Waima" in Druce 1993 and Cameron et al. 1995]
<i>Echinopogon</i> (1/1)			
<i>ovatus</i> (G.Forst.) P.Beauv.	21	—	Beuzenberg & Hair 1983: 14
<i>Elymus</i> (6/7)			
<i>apricus</i> Å.Löve et Connor	—	42	Hair et al. 1967: 187; as <i>Agropyron scabrum</i> (Group Otago). See Connor 1994: 130–131
<i>apricus</i> Å.Löve et Connor	—	42	Löve & Connor 1982: 170, 182–183
<i>apricus</i> Å.Löve et Connor	—	42	Löve 1984: 468
<i>ensyii</i> (Kirk) Å.Löve et Connor	—	28	J. B. Hair in Connor 1954: 316; as <i>Agropyron ensyii</i> . See Connor 1994: 131–132
<i>ensyii</i> (Kirk) Å.Löve et Connor	—	28	Hair 1966: 584; as <i>Agropyron ensyii</i> . See Connor 1994: 131–132
<i>ensyii</i> (Kirk) Å.Löve et Connor	14	28	Hair et al. 1967: 186; as <i>Agropyron ensyii</i> . See Connor 1994: 131–132
<i>ensyii</i> (Kirk) Å.Löve et Connor	—	28	Löve & Connor 1982: 170, 183
<i>ensyii</i> (Kirk) Å.Löve et Connor	—	28	Löve 1984: 469
<i>ensyii</i> (Kirk) Å.Löve et Connor	—	28	Salomon & Lu 1994: 200
<i>ensyii</i> (Kirk) Å.Löve et Connor	—	4x[28]	Svitashev et al. 1996: 1094, 1099
<i>ensyii</i> (Kirk) Å.Löve et Connor	—	28	Dawson & Beuzenberg 2000: 6, 14

Table 1 (contd) MONOCOTYLEDONAE

Taxon	<i>n</i>	2 <i>n</i>	Reference
POACEAE (GRAMINEAE) (contd)			
<i>enysii</i> × <i>multiflorus</i>	4 _I +11 _{II} +3 _{III} , etc.	35	Löve & Connor 1982: 172–173; as <i>Agropyron enysii</i> × <i>A. kirkii</i> . Artificial hybrids. See Connor 1994: 127, 148–149
<i>enysii</i> × <i>solandri</i> (<i>E. ×wallii</i>)	4 _I +11 _{II} +3 _{III} , etc.	35	Löve & Connor 1982: 173; as <i>Agropyron enysii</i> × <i>A. scabrum</i> group Tawera. Artificial hybrids
<i>enysii</i> × <i>tenuis</i>	–	42	J. B. Hair in Connor 1954: 324, 338; as <i>Agropyron enysii</i> × <i>A. tenue</i> . Spontaneous hybrids
<i>enysii</i> × <i>tenuis</i>	28 _{II} , 26 _{II} +1 _{IV} , 1 _I +26 _{II} +1 _{III} , 25 _{II} +2 _{IV} , 2 _I +24 _{II} +2 _{III}	42	Löve & Connor 1982: 173; as <i>Agropyron enysii</i> × <i>A. tenue</i> . Artificial hybrids
<i>falcis</i> Connor	–	42	Hair et al. 1967: 186; as <i>Agropyron scabrum</i> (Group Tekapo II). See Connor 1994: 132–134
<i>falcis</i> Connor	–	42	Löve & Connor 1982: 170; as <i>Agropyron scabrum</i> (Group Tekapo II). See Connor 1994: 132–134
<i>falcis</i> Connor	–	42	Löve 1984: 468; as <i>E. scabrus</i> . See Connor 1994: 132–134
<i>multiflorus</i> (Hook.f.) Á.Löve et Connor	–	42	J. B. Hair in Connor 1954: 317; as <i>Agropyron kirkii</i> . See Connor 1994: 134–137
<i>multiflorus</i> (Hook.f.) Á.Löve et Connor	–	42	J. B. Hair in Darlington & Wylie 1955: 453; as <i>Agropyron kirkii</i> . See Connor 1994: 134–137
<i>multiflorus</i> (Hook.f.) Á.Löve et Connor	–	42	Hair 1966: 584; as <i>Agropyron kirkii</i> . See Connor 1994: 134–137
<i>multiflorus</i> (Hook.f.) Á.Löve et Connor	21	42	Hair et al. 1967: 186; as <i>Agropyron kirkii</i> and <i>A. kirkii</i> var. <i>longisetum</i> . See Connor 1994: 134–137
<i>multiflorus</i> (Hook.f.) Á.Löve et Connor	–	42	Löve & Connor 1982: 170, 183
<i>multiflorus</i> (Hook.f.) Á.Löve et Connor	–	42	Löve 1984: 468
<i>multiflorus</i> × <i>solandri</i>	21 _{II} , etc.	–	Löve & Connor 1982: 173; as <i>Agropyron kirkii</i> × <i>A. scabrum</i> group Tawera. Artificial hybrids. See Connor 1994: 127
<i>solandri</i> (Steud.) Connor	–	42	Hair 1953: 215; as <i>Agropyron scabrum</i> . See Connor 1994: 140–142
<i>solandri</i> (Steud.) Connor	–	42	J. B. Hair in Darlington & Wylie 1955: 453; as <i>Agropyron scabrum</i> (sexual). See Connor 1994: 127, 140–142
<i>solandri</i> (Steud.) Connor	21	42	Hair 1956: 130, 137; as <i>Agropyron scabrum</i> . See Connor 1994: 140–142. Other counts in Hair 1956 are attributable to the naturalised <i>E. rectisetus</i>
<i>solandri</i> (Steud.) Connor	–	42	Hair 1966: 584; as <i>Agropyron scabrum</i> . See Connor 1994: 140–142
<i>solandri</i> (Steud.) Connor	21	42	Hair et al. 1967: 186–187; as <i>Agropyron scabrum</i> . See Connor 1994: 140–142
<i>solandri</i> (Steud.) Connor	–	42	Löve & Connor 1982: 170; as <i>Agropyron scabrum</i> . See Connor 1994: 140–142
<i>solandri</i> (Steud.) Connor	–	42	Lu 1993: 196; as <i>E. scaber</i> . See Connor 1994: 140–142
<i>solandri</i> (Steud.) Connor	–	42	Lu & Bothmer 1993: 37; as <i>E. scaber</i> . See Connor 1994: 140–142
<i>solandri</i> (Steud.) Connor	–	42	Salomon & Lu 1994: 200; as <i>E. scabrus</i> . See Connor 1994: 140–142
<i>solandri</i> × <i>tenuis</i>	–	49	J. B. Hair in Connor 1954: 324, 338; as <i>Agropyron scabrum</i> Group Wellington × <i>A. tenue</i> . Spontaneous hybrid. See Connor 1994: 127
<i>solandri</i> × <i>Stenostachys gracilis</i>	irregular	–	Löve & Connor 1982: 172; as <i>Agropyron enysii</i> × <i>Cockaynea gracilis</i> . Artificial intergeneric hybrids. See Connor 1994: 149
<i>solandri</i> × <i>Stenostachys laevis</i>	14 _{II} , 12 _{II} +1 _{IV} , 1 _I +12 _{II} +1 _{III} , 3 _I +11 _{II} +1 _{III} , 11 _{II} +1 _{VI} , 10 _{II} +1 _{VIII} , 1 _I +10 _{II} +1 _{VII} , 5 _I +10 _{II} +1 _{III}	–	Löve & Connor 1982: 172; as <i>Agropyron enysii</i> × <i>Cockaynea laevis</i> . Artificial intergeneric hybrids. See Connor 1994: 149

Taxon	<i>n</i>	<i>2n</i>	Reference
<i>tenuis</i> (Buchanan) Á.Löve et Connor	—	56	J. B. Hair in Connor 1954: 318; as <i>Agropyron tenue</i> . See Connor 1994: 142–143
<i>tenuis</i> (Buchanan) Á.Löve et Connor	—	56	J. B. Hair in Darlington & Wylie 1955: 453; as <i>Agropyron scabrum</i> var. <i>tenue</i> . See Connor 1994: 142–143
<i>tenuis</i> (Buchanan) Á.Löve et Connor	—	56	Hair 1966: 584; as <i>Agropyron tenue</i> . See Connor 1994: 142–143
<i>tenuis</i> (Buchanan) Á.Löve et Connor	28	56	Hair et al. 1967: 187; as <i>Agropyron tenue</i> . See Connor 1994: 142–143
<i>tenuis</i> (Buchanan) Á.Löve et Connor	—	56	Löve & Connor 1982: 170, 183
<i>tenuis</i> (Buchanan) Á.Löve et Connor	—	56	Löve 1984: 469
<i>Festuca</i> (5/10)			
<i>contracta</i> Kirk	—	c. 170	Moore 1960: 187; as <i>F. erecta</i>
<i>coxii</i> (Petrie) Hack.	—	8x [56]	J. B. Hair in Connor 1968: 295
<i>coxii</i> (Petrie) Hack.	—	56	Beuzenberg & Hair 1983: 14
<i>matthewsii</i> subsp. <i>latifundii</i> Connor	—	42	J. B. Hair in Connor 1968: 295; as <i>F. matthewsii</i>
<i>matthewsii</i> subsp. <i>latifundii</i> Connor	—	42, 42+B	Beuzenberg & Hair 1983: 14; as <i>F. matthewsii</i>
<i>multinodis</i> Petrie et Hack.	—	8x [56]	J. B. Hair in Connor 1968: 295
<i>multinodis</i> Petrie et Hack.	—	56	Beuzenberg & Hair 1983: 14
<i>novae-zelandiae</i> (Hack.) Cockayne	—	42	J. B. Hair in Connor 1968: 295
<i>novae-zelandiae</i> (Hack.) Cockayne	—	42	Beuzenberg & Hair 1983: 14
<i>novae-zelandiae</i> (Hack.) Cockayne	—	42	Dawson & Beuzenberg 2000: 6, 14
<i>Microlaena</i> (4/4)			
<i>avenacea</i> (Raoul) Hook.f.	—	48	M. I. Dawson in Edgar & Connor 1998: 566, 577
<i>avenacea</i> (Raoul) Hook.f.	—	48	Dawson & Beuzenberg 2000: 6, 14
<i>carsei</i> Cheeseman	—	48	M. I. Dawson in Edgar & Connor 1998: 566, 578
<i>carsei</i> Cheeseman	—	48	Dawson & Beuzenberg 2000: 6, 14
<i>polynoda</i> (Hook.f.) Hook.f.	—	48	E. J. Beuzenberg in Connor & Edgar 1986: 427
<i>polynoda</i> (Hook.f.) Hook.f.	—	48	Dawson & Beuzenberg 2000: 6, 14
<i>stipoides</i> (Labill.) R.Br.	—	48	M. I. Dawson in Edgar & Connor 1998: 565, 583
<i>stipoides</i> (Labill.) R.Br.	—	48	Dawson & Beuzenberg 2000: 6, 14
<i>stipoides</i> ?	—	42	J. B. Hair in Tohill & Love 1964: 21; as <i>M. stipoides</i> . Count or identity uncertain; see Edgar & Connor 1998: 566
<i>Oplismenus</i> (1/1)			
<i>hirtellus</i> subsp. <i>imbecillis</i> (R.Br.) U.Scholz	—	54	Dawson & Beuzenberg 2000: 6, 14
<i>Poa</i> (25/38)			
<i>acicularifolia</i> Buchanan subsp. <i>acicularifolia</i>	—	28	Hair 1968: 269; as <i>P. acicularifolia</i> . See Edgar 1986: 444
<i>anceps</i> G.Forst. subsp. <i>anceps</i>	—	28	Hair 1968: 269; as <i>P. anceps</i>
<i>anceps</i> subsp. <i>polyphylla</i> (Hack.) Edgar	—	28	Hair 1968: 271; as <i>P. polyphylla</i> . See Edgar 1986: 452
<i>astonii</i> Petrie	—	28	Hair 1968: 269
<i>aucklandica</i> Petrie subsp. <i>aucklandica</i>	—	28	Hair 1968: 269; as <i>P. aucklandica</i> (CHR 102389, CHR 102390). See Edgar 1986: 467
<i>aucklandica</i> subsp. <i>campbellensis</i> (Petrie) Edgar	—	28	Hair 1968: 269; as <i>P. aucklandica</i> (CHR 102391). See Edgar 1986: 467
<i>breviglumis</i> Hook.f.	—	28	Hair 1968: 269; as <i>P. breviglumis</i> var. <i>breviglumis</i> and <i>P. breviglumis</i> var. <i>brockiei</i> . See Edgar 1986: 474
<i>buchananii</i> Zotov	—	28	Hair 1968: 271; as <i>P. sclerophylla</i> . See Edgar 1986: 480
<i>chathamica</i> Petrie	—	112	Hair 1968: 269
<i>cita</i> Edgar	—	84	Hair 1968: 270; as <i>P. laevis</i> . See Edgar 1986: 447
<i>cockayneana</i> Petrie	—	112	Hair 1968: 269
<i>colensoi</i> Hook.f.	—	28	Hair 1968: 269
<i>dipsacea</i> Petrie	—	28	Hair 1968: 269; as <i>P. cheesemanii</i> and <i>P. dipsacea</i> . See Edgar 1986: 460
<i>foliosa</i> (Hook.f.) Hook.f.	—	28, 29	Moore 1960: 187
<i>foliosa</i> (Hook.f.) Hook.f.	—	28	D. M. Moore in Hair 1968: 270; as <i>P. hamiltonii</i>
<i>foliosa</i> (Hook.f.) Hook.f.	—	28	Hair 1968: 269
<i>hesperia</i> Edgar	—	28	Hair 1968: 269; as <i>P. colensoi</i> (CHR 101785). See Edgar 1986: 442

Table 1 (contd) MONOCOTYLEDONAE

Taxon	<i>n</i>	<i>2n</i>	Reference
POACEAE (GRAMINEAE) (contd)			
<i>imbecilla</i> Spreng.	–	28	Hair 1968: 271; as <i>P. sp.</i> (CHR 102415). See Edgar 1986: 471
<i>kirkii</i> Buchanan	–	28	Hair 1968: 270
<i>lindsayi</i> Hook.f.	–	28	Hair 1968: 270
<i>litorosa</i> Cheeseman	–	263–265	Hair & Beuzenberg 1961: 160
<i>litorosa</i> Cheeseman	–	c. 266	Hair 1968: 270
<i>maniototo</i> Petrie	–	28	Hair 1968: 270
<i>matthewsii</i> Petrie	–	28	Hair 1968: 270; as <i>P. imbecilla</i> [with a footnote equating it to <i>P. matthewsii</i> var. <i>tenuis</i>], <i>P. matthewsii</i> var. <i>matthewsii</i> and <i>P. matthewsii</i> var. <i>minor</i> . See Edgar 1986: 470–471
<i>novae-zelandiae</i> Hack.	–	28	Hair 1968: 270–271; as <i>P. novae-zelandiae</i> var. <i>humilior</i> , <i>P. novae-zelandiae</i> var. <i>laxiuscula</i> , and <i>P. novae-zelandiae</i> var. <i>wallii</i> . See Edgar 1986: 436
<i>pusilla</i> Berggr.	–	28	Hair 1968: 271; as <i>P. pusilla</i> and <i>P. seticulmis</i> . See Edgar 1986: 453
<i>pygmaea</i> Buchanan	–	28	Hair 1968: 271
<i>ramosissima</i> Hook.f.	–	28	Hair 1968: 271
<i>subvestita</i> (Hack.) Edgar	–	28	Hair 1968: 270; as <i>P. novae-zelandiae</i> var. <i>subvestita</i> . See Edgar 1986: 437
<i>tenantiana</i> Petrie	–	56	Hair 1968: 271
<i>tenantiana</i> × <i>astonii</i> (<i>P. xpopwellii</i>)	–	42	Hair 1968: 271; as <i>P. popwellii</i> . Putative hybrid; see Edgar 1986: 488–490
sp. ?	–	28	Hair 1968: 269; as <i>P. exigua</i> . Identity uncertain; see Edgar 1986: 486
<i>Puccinellia</i> (1/4)			
<i>macquariensis</i> (Cheeseman) Allan et Jansen	–	28	Moore 1960: 187
<i>Rytidosperma</i> (4/18)			
<i>buchananii</i> (Hook.f.) Connor et Edgar	36	c. 72	Calder 1937: 7; as <i>Danthonia buchanani</i>
<i>gracile</i> (Hook.f.) Connor et Edgar	12	24	Calder 1937: 7; as <i>Danthonia gracilis</i>
<i>nigricans</i> (Petrie) Connor et Edgar	12	24	Calder 1937: 7; as <i>Danthonia nigricans</i>
<i>setifolium</i> (Hook.f.) Connor et Edgar	12	24	Calder 1937: 7; as <i>Danthonia setifolia</i>
<i>Simplicia</i> (2/2)			
<i>buchananii</i> (Zotov) Zotov	–	28	J. B. Hair & B. E. Groves in Zotov 1971: 544
<i>buchananii</i> (Zotov) Zotov	–	28	Dawson & Beuzenberg 2000: 6, 14
<i>laxa</i> Kirk	–	28	J. B. Hair & B. E. Groves in Zotov 1971: 541
<i>laxa</i> Kirk	–	28	Beuzenberg & Hair 1983: 14
<i>laxa</i> Kirk	–	28	Dawson & Beuzenberg 2000: 6, 14
<i>Spinifex</i> (1/1)			
<i>sericeus</i> R.Br.	–	18	Hair & Beuzenberg 1966: 256; as <i>S. hirsutus</i>
<i>Stenostachys</i> (2/3)			
<i>gracilis</i> (Hook.f.) Connor	14	28	Hair et al. 1967: 187; as <i>Cockaynea gracilis</i> . See Connor 1994: 146
<i>gracilis</i> (Hook.f.) Connor	–	28	Löve & Connor 1982: 170, 184; as <i>Elymus narduroides</i> . See Connor 1994: 146
<i>gracilis</i> (Hook.f.) Connor	–	28	Löve 1984: 469; as <i>Elymus narduroides</i> . See Connor 1994: 146
<i>gracilis</i> × <i>laevis</i>	14 _{II} , 12 _{II} +1 _{IV} , 11 _{II} +1 _{VI} , 10 _{II} +1 _{VIII} , 1 _I +12 _{II} +1 _{III}	–	Löve & Connor 1982: 172; as <i>Cockaynea gracilis</i> × <i>C. laevis</i> . Artificial hybrids
<i>laevis</i> (Petrie) Connor	–	28	Hair et al. 1967: 187; as <i>Cockaynea laevis</i> . See Connor 1994: 146–148

Taxon	<i>n</i>	<i>2n</i>	Reference
<i>laevis</i> (Petrie) Connor	–	28	Löve & Connor 1982: 170, 184; as <i>Elymus laevis</i> . See Connor 1994: 146–148
<i>laevis</i> (Petrie) Connor	–	28	Löve 1984: 469; as <i>Elymus laevis</i> . See Connor 1994: 146–148
<i>Trisetum</i> (1/9)			
<i>lepidum</i> Edgar et A.P.Druce	–	28	Beuzenberg & Hair 1983: 14; as <i>T. antarcticum</i> . See Edgar 1998: 553
<i>Zotovia</i> (2/3)			
<i>colensoi</i> (Hook.f.) Edgar et Connor	–	48	M. I. Dawson in Edgar & Connor 1998: 566, 571
<i>colensoi</i> (Hook.f.) Edgar et Connor	–	48	Dawson & Beuzenberg 2000: 6, 14
<i>thomsonii</i> (Petrie) Edgar et Connor	–	c. 48	M. I. Dawson in Edgar & Connor 1998: 566, 573
<i>thomsonii</i> (Petrie) Edgar et Connor	–	c. 48	Dawson & Beuzenberg 2000: 6, 14
POTAMOGETONACEAE (including RUPPIACEAE)			
<i>Ruppia</i> (2/2)			
<i>megacarpa</i> R.Mason	–	20	J. B. Hair in Mason 1967: 528
<i>megacarpa</i> R.Mason	–	20	Beuzenberg & Hair 1983: 16
<i>polycarpa</i> R.Mason	9	–	J. B. Hair in Mason 1967: 524
<i>polycarpa</i> R.Mason	9	18	Beuzenberg & Hair 1983: 16
RESTIONACEAE			
<i>Empodisma</i> (1/1)			
<i>minus</i> (Hook.f.) L.A.S.Johnson et D.F.Cutler	–	24	B. G. Briggs in Johnson & Cutler 1973: 384
<i>Leptocarpus</i> (1/1)			
<i>similis</i> Edgar	–	48	previously unpublished count, B. G. Briggs (NSW 90825, duplicate CHR 171571)
<i>Sporadanthus</i> (2/2)			
<i>ferrugineus</i> de Lange, Heenan et B.D.Clarkson	–	18	Dawson 1995a: 479, 483; as <i>S. traversii</i>
<i>ferrugineus</i> de Lange, Heenan et B.D.Clarkson	–	18	B. G. Briggs in de Lange et al. 1999c: 418
<i>ferrugineus</i> de Lange, Heenan et B.D.Clarkson	–	18	Murray & de Lange 1999: 513, 517
<i>traversii</i> (F.Muell.) Kirk	–	18	Murray & de Lange 1999: 513, 517
RIPOGONACEAE			
<i>Ripogonum</i> (1/1)			
<i>scandens</i> J.R.Forst. et G.Forst.	–	30	Beuzenberg & Hair 1963: 56
TYPHACEAE			
<i>Typha</i> (1/1)			
<i>orientalis</i> C.Presl	30	–	Roscoe 1927: 398; as <i>T. angustifolia</i> var. <i>muelleri</i>
<i>orientalis</i> C.Presl	30	–	Hair et al. 1967: 189; as <i>T. muelleri</i>
ZANNICHELLIACEAE			
<i>Lepilaena</i> (1/1)			
<i>bilocularis</i> Kirk	–	12	Hair et al. 1967: 189. Erroneously cited as <i>2n</i> = 24 in Bolkhovskikh et al. 1969: 725
<i>Zannichellia</i> (1/1)			
<i>palustris</i> L.	–	24	Beuzenberg & Hair 1983: 16
ZOSTERACEAE			
<i>Zostera</i> (2/2)			
<i>capricorni</i> Asch.	–	24	Hair et al. 1967: 189
<i>muelleri</i> Irmisch	–	24	Hair et al. 1967: 189

SUMMARY

The indigenous spermatophyte flora of the New Zealand Botanical Region is estimated here to comprise 1883 species (Table 2). Of this total, 1212 species are cytologically known, representing 64.4% with chromosome counts. These figures are of described species only, so exclude infraspecific taxa, hybrids, cultivars, and informally recognised entities.

Hair's (1966) estimate of 1813 species of spermatophytes is comparable with the present calculation, when considering the species that have been described since then. Chromosomes of all indigenous gymnosperm species have been counted by Hair & Beuzenberg (1958a), so the figure of 100% cited by Hair (1966) remains unchanged. Hair (1966) estimated that 40.6% of dicotyledons and 27.9% of monocotyledons were cytologically known. A comparison with the percentages provided in Table 2 indicates the progress made.

Hair (1966) considered that 40.2% of indigenous vascular plant species (spermatophytes and pteridophytes) were known cytologically. My recent estimate was 48% (Dawson 1995a), including informal names and calculated from an unpublished checklist (Druce 1992). My new estimates, obtained by combining the figures presented here for described species of spermatophytes (Table 2) and those for the pteridophytes (Dawson et al. 2000) are for 2071 described species of indigenous vascular plants, of which about 65.5% have been examined cytologically.

The proportion of New Zealand indigenous species in each genus with chromosome counts are indicated in the main body of this index (Table 1). However, several major groups remain cytologically unknown, including more than a dozen genera each in the monocotyledonous families Cyperaceae, Orchidaceae, and Poaceae (Appendix 2).

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Table 2 Summary statistics of indigenous New Zealand spermatophytes and chromosome counts.

Spermatophytes	Number of families	Number of genera	Number of species	Number of species counted	Percentage of species counted
Gymnospermae	4	10	20	20	100%
Dicotyledonae	88	243	1307	971	74.3%
Monocotyledonae	26	112	556	221	39.8%
Totals	118	365	1883	1212	64.4%

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Appendix 1 Excluded counts.

This Appendix is not intended to be definitive and lists representative counts only. Due to difficulties in checking and standardisation, taxa are listed only at the species level and authority names are excluded.

1.1. Chromosome counts made from material indigenous to other countries, that may be conspecific with New Zealand counterparts

1.1.1. Dicotyledonae

AIZOACEAE

Tetragonia

tetragonioides, $n = 8$, Hsu 1968: 15. Taiwan.

tetragonioides, $2n = 16$, J. E. Rodrigues in Moore 1982: 23. Portugal.

APIACEAE (UMBELLIFERAE)

Apium

australe, $n = 11$, Bell & Constance 1960: 28. Chile.

australe, $2n = 22$, Moore 1967: 70. Falkland Islands.

australe, $n = 11$, Constance et al. 1976: 615. Argentina.

australe, $n = 11$, Moore 1981: 1007. Tierra del Fuego.

prostratum, $n = 11$, Whitaker 1941: 347. USA.

prostratum, $n = 11$, Bell & Constance 1966: 517. Australia.

Azorella

selago, $2n = 16$, Moore 1981: 1007. Tierra del Fuego.

Daucus

glochidiatus, $n = 22$, Constance et al. 1976: 618. Australia.

ASTERACEAE (COMPOSITAE)

Centipeda

minima, $n = 10$, $2n = 20$, Arano 1962: 1795. Japan.

minima, $n = 10$, Mangenot & Mangenot 1962: 432. Equatorial Guinea.

minima, $2n = 20$, Arano 1965: 35. Japan.

minima, $2n = 20$, Peng & Hsu 1977: 563. Taiwan.

minima, $2n = 14$, Malla et al. 1978: 55. Nepal.

minima, $2n = 20$, Peng & Hsu 1978: 61. Taiwan.

minima, $2n = 20$, Probatova & Sokolovskaya 1981: 1585. Part of former Soviet Union.

minima, $n = 10$, Gupta & Gill 1984: 429, 433. India.

minima, $2n = 20$, Nishikawa 1985: 38. Japan.

minima, $n = 10$, Gupta & Gill 1989: 100. India.

orbicularis, $n = 10$, Gupta & Gill 1980: 351. India.

Cotula

australis, $n = 20$, Davis 1961: 296. Australia.

australis, $n = 20$, Davis 1962: 3. Australia.

australis, $n = 18$, Powell et al. 1974: 910. USA.

australis, $2n = 36$, Taniguchi et al. 1975: 3124. Japan.

australis, $n = 18$, Keil & Pinkava 1979: 271. USA.

australis, $n = c. 9$, Dillon & Turner 1982: 135. Peru.

australis, $n = 9$, Spooner et al. 1995: 598. Ecuador.

coronopifolia, $2n = 20$, Castro & Fontes 1946: 40. Portugal.

coronopifolia, $2n = 20$, J. E. Rodrigues in Löve & Löve 1961: 360. Portugal.

- coronopifolia*, $2n = 40$, Nordenstam 1967: 224. South Africa.
coronopifolia, $2n = 20$, Björkqvist et al. 1969: 276. Spain.
coronopifolia, $n = 10$, Powell & King 1969: 119. Colombia.
coronopifolia, $n = 10$, Turner 1970: 385. Australia.
coronopifolia, $2n = 20$, Fernandez & Queirós 1971: 38, 96. Portugal.
coronopifolia, $n = 10$, Powell et al. 1974: 910. USA.
coronopifolia, $2n = 10_{II}$, Keil & Pinkava 1976: 1401. USA.
coronopifolia, $2n = 20$, Queirós 1983: 90. Portugal.
coronopifolia, $n = 10$, Jansen et al. 1984: 16. Colombia.
coronopifolia, $2n = 20$, Bruhl 1990: 759. Australia.
coronopifolia, $2n = 20$, Vogt & Oberprieler 1993: 198, 202. Morocco.
- Craspedia*
uniflora, $n = 11$ and $70+$, Turner 1970: 384. Australia.
- Microseris*
scapigera, $2n = 36$, Chambers 1955: 248. Australia (New Zealand material is listed in Table 1).
- Pseudognaphalium*
luteoalbum, $2n = 14$, Wulff 1938: 252–253. Germany.
luteoalbum, $2n = 14$ and $14+1B$, Larsen 1960: 25, 53. Canary Islands.
luteoalbum, $n = 7$, King 1965: 218. Thailand.
luteoalbum, $n = 7$ and $7+1B$, Mehra et al. 1965: 39, 64. India.
luteoalbum, $n = 7$, Raj 1965: 258. India.
luteoalbum, $n = 7$, Turner & Lewis 1965: 215. Rhodesia.
luteoalbum, $2n = 14$, Gadella & Kliphuis 1966: 545. Netherlands.
luteoalbum, $n = 7$, Shetty 1967: 569. India.
luteoalbum, $n = 7$, Chatterjee & Sharma 1968: 102. India.
luteoalbum, $2n = 14$, Björkqvist et al. 1969: 276. Spain.
luteoalbum, $2n = 14$, Podlech & Dieterle 1969: 238. Afghanistan.
luteoalbum, $n = 7$, Turner 1970: 384. Australia.
luteoalbum, $2n = 14$, Fernandez & Queirós 1971: 12–13, 93. Portugal.
luteoalbum, $n = 7$, Ruiz de Clavijo 1973: 435. Spain.
luteoalbum, $n = 7$, Mehra & Remanandan 1975: 15. India.
luteoalbum, $n = 7$, Keil & Pinkava 1981: 705. USA.
luteoalbum, $n = 7$, van Kockx Roon & Wieffering 1982: 367. Netherlands.
luteoalbum, $n = 7$, Gupta & Gill 1984: 428. India.
luteoalbum, $2n = 14$, Hindáková et al. 1985: 72. Czechoslovakia.
luteoalbum, $2n = 14$, Kuzmanov et al. 1986: 71. Bulgaria.
luteoalbum, $n = 8$, Gill & Ormoigui 1987: 180. Nigeria.
luteoalbum, $2n = 20$, Subramanian 1987: 78. India.
luteoalbum, $n = 7$, Gupta & Gill 1989: 98. India.
luteoalbum, $2n = 14$, Morton 1993: 167. West Africa.
luteoalbum, $2n = 14$, Vogt & Oberprieler 1993: 202, 204. Morocco.
luteoalbum, $2n = 14$, Vogt & Oberprieler 1994: 553. Morocco.
 (Many references list this species under *Gnaphalium*.)
- Senecio*
biserratus, $n = 30$, Ornduff et al. 1967: 209. Australia.
biserratus, $n = 50$, $2n = 100$, Lawrence 1980: 154. Australia.
biserratus, $n = 50$, Lawrence 1985: 211. Australia.
glomeratus, $n = 30$, $2n = 60$, Lawrence 1980: 155. Australia.
glomeratus, $n = 30$, Lawrence 1985: 211. Australia.
hispidulus, $n = 30$, Turner 1970: 385. Australia.
hispidulus, $n = 30$, $2n = 60$, Lawrence 1980: 155. Australia.
hispidulus, $n = 30$, Lawrence 1985: 211. Australia.
 “*lautus* alliance”, $n = 20$, Ornduff 1964: 353. Australia.
lautus, $n = 20$, Ali 1966: 318. Australia.
lautus, $n = 20$, Turner 1970: 385–386. Australia.
lautus, $n = 20$, $2n = 40$, Lawrence 1980: 153. Australia.
lautus, $n = 20$, Lawrence 1985: 211. Australia.
minimus, $n = 30_{II}$, Keil & Pinkava 1976: 1401. USA.
minimus, $n = 30$, $2n = 60$, Lawrence 1980: 155. Australia.
quadridentatus, $n = 20$, Turner 1970: 386. Australia.
quadridentatus, $n = 20$, $2n = 40$, Lawrence 1980: 155. Australia.
quadridentatus, $n = 20$, Lawrence 1985: 211. Australia.

Appendix 1 (contd)

BRASSICACEAE (CRUCIFERAE)

Rorippa

- palustris*, $n = 16$, Raj 1965: 257. India.
palustris, $2n = 32$, Jonsell 1971: 297, 306. Part of former Soviet Union.
palustris, $n = 16$, $2n = 32$, Javůrková-Kratochvílová & Tomšovic 1972: 145–147. Czechoslovakia.
palustris, $2n = 32$, V. Javůrková-Kratochvílová & P. Tomšovic in Májovský et al. 1974a: 17. Czechoslovakia.
palustris, $2n = 32$, Löve & Löve 1975: 673. Canada.
palustris, $n = 16$, Naqshi & Javeid 1976: 648. India.
palustris, $2n = 32$, Zhukova et al. 1977: 231. Part of former Soviet Union.
palustris, $2n = 32$, Dawe & Murray 1980: 705. Alaska.
palustris, $2n = 32$, Pogan et al. 1980: 43. Poland.
palustris, $2n = 32$, Löve & Löve 1982a: 126. Canada.
palustris, $2n = 32$, Yurtsev & Zhukova 1982: 781. Part of former Soviet Union.
palustris, $2n = 32$, Zhukova 1982: 362. Part of former Soviet Union.
palustris, $n = 16$, Mulligan 1984: 448. Canada.
palustris, $2n = 32$, Dorofeyev 1986: 1142. Part of former Soviet Union?
palustris, $2n = 32$, Měšiček & Soják 1995: 446. Mongolia.

CALLITRICHACEAE

Callitriche

- antarctica*, $2n = 40$, Moore 1967: 71. Falkland Islands.

CAMPANULACEAE

Wahlenbergia

- gracilis*, $2n = 54$, H. Gulline in Darlington & Wylie 1955: 289. Australia.
gracilis, $2n = 18$, Hsu 1967: 126. Taiwan.
gracilis, $n = 18$, Hsu 1968: 17. Taiwan.
gracilis, $n = 27$, Smith 1992: 99. Australia.
gracilis, $n = 27$, R. C. Carolin in Smith 1992: 99. Australia.
gracilis, $n = 36$, Petterson et al. 1995: 493–494. New Caledonia.
marginata, $2n = 54$ and c. 90, Borgmann 1964: 126, 137, 146, 156. New Guinea.
marginata, $2n = 36$, Ono & Masuda 1981: 8–9. Bonin Islands.
marginata, $2n = 72$, Petterson et al. 1995: 493–494. Japan.

CARYOPHYLLACEAE

Spergularia

- marginata*, $n = 9$, Tischler 1937: 164. Germany.
marginata, $2n = 18$, Wulff 1937a: 818, 829. Germany.
marginata, $2n = 18$, Castro & Fontes 1946: 40. Portugal.
marginata, $2n = 18$ and 36, Blackburn & Morton 1957: 347. Great Britain and Portugal.
marginata, $2n = 18$, Larsen 1960: 10, 52. Canary Islands.
marginata, $2n = 18$, Monnier 1960: 117. Mediterranean (Corsica, France, North Africa, Portugal, and Spain).
marginata, $2n = 18$, Monnier 1962: 330. Mediterranean (Corsica, France, North Africa, Portugal, and Spain).
marginata, $2n = 18$, Dvořák & Dadáková 1984: 54. Czechoslovakia.
media, $n = 9$, $2n = 18$, Ratter 1964: 295–296. Europe (England, France, Portugal, Scotland, Spain, and Tunisia).
media, $n = 18$, Moore 1967: 70. Falkland Islands.
media, $2n = 18$, Björkqvist et al. 1969: 272. Spain.
media, $2n = 18$, Dahlgren et al. 1971: 252. Spain.
media, $2n = 18$ and 36, Fernandes & Leitão 1971: 146–147, 164, 168. Portugal.
media, $2n = 18$, Ratter 1973a: 291, 293. Europe (England, France, Spain, and Turkey).
media, $2n = 18$, Ratter 1973b: 291, 297. Europe.
media, $2n = 18$, Labadie 1976: 638. France.
media, $2n = 18$, van Loon & de Jong 1978: 57. France.
media, $2n = 18$, Gukasian & Safarian 1990: 260. Part of former Soviet Union.
media, $2n = 18$, Luque & Diaz Lifante 1991: 350. Spain.
media, $2n = 18$, Kochjarová 1992: 72. Czechoslovakia.

CHENOPODIACEAE

Chenopodium

- glaucum*, $2n = 18$, Wulff 1937b: 276. Europe.
glaucum, $2n = 18$, Löve 1954b: 216. Europe and North America.
glaucum, $2n = 18$, Mulligan 1959: 82. Canada.
glaucum, $2n = 18$, Podlech & Dieterle 1969: 196. Afghanistan.
glaucum, $2n = 18$, Bassett & Crompton 1971: 786. Canada.
glaucum, $2n = 18$, Crompton & Bassett 1976: 646. Canada.

CONVOLVULACEAE

Calystegia

- sepium*, $2n = 24$, Persy 1936: 225. Belgium.
sepium, $n = 11$, Tischler 1936: 13. Germany.
sepium, $2n = 24$, Wolcott 1937: 192; as *Convolvulus sepium*. USA.
sepium, $n = 11$, Rohweder 1938: 506, 540. Germany.
sepium, $2n = 24$, Felföldy 1947: 102–103. Hungary.
sepium, $n = 11$, Lewis 1966: 100. North America.
sepium, $2n = 22$, Gadella & Kliphuis 1967: 13. Netherlands.
sepium, $n = 11$, Jones 1968: 99–100. USA.
sepium, $n = 12$, Laane 1969: 145. Norway.
sepium, $2n = 22$, Holub et al. 1970: 350. Czechoslovakia.
sepium, $2n = 22$, A. Murin & M. Váchová in Májovský et al. 1970: 6. Czechoslovakia.
sepium, $2n = 22$, Skalińska et al. 1971: 73. Poland.
sepium, $n = 11$, $2n = 22$, Brummitt 1973: 369. Great Britain.
sepium, $2n = 22$, Fritsch 1973: 461. Germany.
sepium, $2n = 22$, Stace 1973: 363. Great Britain.
sepium, $2n = 22$, Queirós 1979: 22. Portugal.
sepium, $2n = 22$, Löve & Löve 1982b: 353. Canada.
sepium, $2n = 22$, Kim & Choi 1983: 97. Korea.
sepium, $2n = 22$, Dmitrieva 1986: 1145. Part of former Soviet Union?
sepium, $2n = 22$, Parfenov & Dmitrieva 1988: 3. Part of former Soviet Union?
soldanella, $n = 11$, Tischler 1936: 13. Germany.
soldanella, $n = 11$, Jinno 1956: 148. Japan.
soldanella, $2n = 22$, Jones 1968: 100. Portugal.
soldanella, $2n = 22$, Brummitt 1973: 370. Great Britain.
soldanella, $2n = 22$, Stace 1973: 364. Italy, Great Britain.
soldanella, $2n = 22$, van den Brand et al. 1979: 396. Netherlands.
soldanella, $2n = 22$, Pavone et al. 1981: 695. Italy.
soldanella, $2n = 22$, J. E. Rodrigues in Moore 1982: 174. Portugal.
soldanella, $2n = 22$, Kim & Choi 1983: 97. Korea.
soldanella, $2n = 22$, Nishikawa 1985: 34. Japan.
soldanella, $2n = 22$, Al-Bermani et al. 1993: 269. Great Britain.
soldanella, $2n = 22$, Baltisberger et al. 1993: 349. Albania.

Dichondra

- repens*, $2n = 24$, Hsu 1967: 127. Taiwan.

Ipomoea

- cairica*, $2n = 30$, Jones 1964: 217. Mexico.
pes-caprae, $2n = 30$, Watanabe 1939: 127, 133. Japan.
pes-caprae, $2n = 30$, Miège 1960a: 376. Africa.
pes-caprae, $n = 15$, Chuang et al. 1962: 56. Taiwan.
pes-caprae, $n = 15$, $2n = 30$, Jones 1964: 217. USA.
pes-caprae, $n = 15$, Hsu 1968: 18. Taiwan.
pes-caprae, $2n = 30$, Sampathkumar 1979: 283. India.
pes-caprae, $2n = 30$, Yen et al. 1992: 751. Australia.

CRASSULACEAE

Crassula

- moshata*, $2n = 32$, Merxmüller et al. 1971: 112. South Africa.

Appendix 1 (contd)

DROSERACEAE

Drosera

- binata*, $2n = 46$, Kondo 1969: 324. Australia.
peltata, $n = 16$, Larsen 1966: 393. Thailand.
peltata, $n = 20$, Kondo 1969: 324. Japan.
spathulata, $n = 10_{IV} + 10_I$, $2n = 50$, Kobayashi 1950: 227. Japan.
spathulata, $n = 30_{II}$, Kondo 1966: 24. Japan.
spathulata, $2n = 60$, Kondo 1969: 324. Japan.
spathulata, $2n = 40$, Kondo 1971: 321–323. Australia.
spathulata, $2n = 40$, Kondo 1976: 535. Japan.
spathulata, $2n = 40$, Kondo & Segawa 1988: 1701–1704. Australia.
spathulata, $2n = 60$, Kondo & Segawa 1988: 1701–1704. Japan.
spathulata, $2n = 40$, Nakamura & Ueda 1991: 128. Japan.
spathulata, $2n = 40$, Nakamura 1993: 77. Japan.
spathulata, $2n = 60$, Hoshi et al. 1994: 2620. Japan.

EPACRIDACEAE

Cyathodes

- parviflora*, $2n = 20$, Smith-White 1955a: 51. Australia.

Leucopogon

- fraseri*, $n = 4$, $2n = 8$, Smith-White 1955a: 54. Australia.
fraseri, $2n = 24$, previously unpublished count, M. I. Dawson (CHR 514902). Australia.
juniperinus, $n = 4_{II} + 4_I$, $2n = 12$, Smith-White 1948: 39, 47. Australia.
juniperinus, $2n = 12$, Smith-White 1955a: 55. Australia.
juniperinus, $2n = 12$, Smith-White 1955b: 79. Australia.
richei, $n = 6$, $2n = 12$, Smith-White 1955a: 52. Australia.

Pentachondra

- pumila*, $2n = 28$, Smith-White 1955a: 51. Australia.

Sprengelia

- incarnata*, $n = 12$, Smith-White 1948: 39, 49. Australia.
incarnata, $n = 12$, Smith-White 1955a: 56. Australia.

FABACEAE (LEGUMINOSAE)

Canavalia

- obtusifolia*, $2n = 22$, Frahm-Leliveld 1960: 329. Africa.

Sophora

- microphylla*, $2n = 18$, Atchison 1949: 120. South America.

GERANIACEAE

Geranium

- potentilloides*, $2n = 36$ and 56 , Borgmann 1964: 143, 149. New Guinea.

GOODENIACEAE

Selliera

- radicans*, $n = 8$ and 24 , $2n = 16$ and 48 , Jackson 1958: 162. Australia.
radicans, $n = 8$ and 24 , $2n = 48$, Peacock 1963: 15. Australia.
radicans, $n = 8$, R. C. Carolin in Peacock 1963: 15. Australia.
radicans, $n = 8$, Moore 1963a: 52. Chile.

HALORAGACEAE

Gonocarpus

- micranthus*, $n = 6$, Chuang et al. 1962: 55; as *Haloragis micrantha*. Thailand.
micranthus, $2n = 12$, Larsen 1966: 395; as *Haloragis micrantha*. Thailand.
micranthus, $n = 6$, Hsu 1968: 16; as *Haloragis micrantha*. Thailand.

LAMIACEAE (LABIATAE)

Plectranthus

parviflorus, $n = 17$, Henderson 1973: 116. Australia.

LOBELIACEAE

Isotoma

fluviatilis, $n = 14$, $2n = 14$ and 28, McComb 1968: 526–530. Australia.

fluviatilis, $2n = 14$ and 28, McComb 1970: 108–109. Australia.

fluviatilis, $n = 7$, $2n = 14$, Stace & James 1996: 1357. Australia.

Lobelia

anceps, $n = 7$, Gill & Abubakar 1975: 372. Tanzania.

anceps, $n = 7$, Rao & Mwasumbi 1981: 80. Tanzania.

MALVACEAE

Hibiscus

diversifolius, $n = c. 72$, Ford 1938: 433, 444. South Africa.

diversifolius, $n = 72$ and $c. 72$, $2n = 144$, Menzel & Wilson 1963: 265. Uganda and South Africa.

diversifolius, $2n = c. 180$, Menzel & Wilson 1963: 265. Fiji and Colombia.

diversifolius, $n = 72$, Menzel & Wilson 1969: 95. Australia and Niue Island (New Zealand material is listed in Table 1).

diversifolius, $n = 72$, Menzel & Hancock 1984: 53. Australia and Tanzania.

OXALIDACEAE

Oxalis

magellanica, $2n = 10$, Borgmann 1964: 124, 130, 143, 149. New Guinea.

PLANTAGINACEAE

Plantago

triantha, $2n = 12$, Brown & Jackson 1982: 368. Australia.

POLYGONACEAE

Polygonum

salicifolium, $2n = 40$, Queirós 1985: 87. Portugal.

PORTULACACEAE

Montia

fontana, $2n = 20$, Jørgensen et al. 1958: 54, 121. Greenland.

fontana, $2n = 18$ and 20, Moore 1963b: 26. Several countries, but excluding New Zealand.

fontana, $2n = 20$, Nilsson 1966: 465. Sweden, Norway, Iceland, Greenland, and Alaska.

fontana, $2n = 40$, Nilsson 1966: 465. Sweden.

fontana, $2n = 20$, Larsen & Lægaard 1971: 251, 262. Sicily.

fontana, $2n = 20$, Hedberg & Hedberg 1977: 10. Africa.

fontana, $2n = 20$, Dalgaard 1989: 208. Greenland.

fontana, $2n = 20$, Luque & Díaz Lifante 1991: 314, 360. Spain.

RANUNCULACEAE

Myosurus

minimus, $2n = 16$, Hocquette 1922: 1302. France.

minimus, $n = 8$, Tischler 1936: 6. Germany.

minimus, $2n = c. 28$, Ehrenberg 1945: 431. Sweden.

minimus, $n = 8$, $2n = 16$, Stone 1960: 139–148. USA and Norway.

minimus, $2n = 16$, Packer 1968: 286. Canada.

minimus, $2n = 16$, Semerenko 1985: 993. Part of former Soviet Union.

Ranunculus

acaulis, $2n = 48$, Moore 1967: 70. Falkland Islands.

acaulis, $2n = 48$, Menadue & Crowden 1985: 550. Australia.

biternatus, $2n = 48$, Moore 1967: 70. Falkland Islands.

biternatus, $2n = 48$, Menadue & Crowden 1985: 550. Maquarie Island.

glabrifolius, $2n = 48$, Menadue & Crowden 1985: 551. Australia.

Appendix 1 (contd)

ROSACEAE

Acaena

- magellanica*, $2n = 84$, Moore 1967: 70. Falkland Islands.
magellanica, $n = 21$, Moore 1981: 1005. Tierra del Fuego.
magellanica, $n = 42$, $2n = c. 84$, Roulet 1981: 146, 148–149. Argentina and Chile.
novae-zelandiae (probably), $2n = 42$, Moore 1964: 199; as *A. anserinifolia*. Australia.

Potentilla

- anserina*, $n = c. 22$, Roscoe 1927: 308. Canada.
anserina, $n = 14$, Tischler 1929: 39. Germany?
anserina, $2n = 28$, Popoff 1935: 511–513. Sweden?
anserina, $n = 14$, Tischler 1937: 165. Germany.
anserina, $n = 14$, Rohweder 1938: 505, 521, 538. Germany.
anserina, $2n = 28$ and 42, Erlandsson 1942: 503. Sweden and elsewhere in Europe.
anserina, $2n = 28$, Skalińska & Czapik 1958: 144–145. Poland.
anserina, $2n = 28$ and 42, Gadella & Kliphuis 1963: 210. Netherlands.
anserina, $2n = 28$ and 42, Rousi 1965: 49–55. USA, Canada, England, Finland, Norway, Greenland, and part of former Soviet Union (New Zealand material is listed in Table 1 as *P. anserinoides*).
anserina, $2n = 28$, Gadella & Kliphuis 1966: 553. Netherlands.
anserina, $2n = 28$, Löve & Ritchie 1966: 435. Canada.
anserina, $2n = 28$, Taylor 1967: 456. Canada.
anserina, $2n = 28$ and 42, Ockendon & Walters 1970: 136–137, 140. Great Britain.
anserina, $2n = 42$, Cobon & Matfield 1976: 125–129. Great Britain.
anserina, $2n = 28$, Yurtsev & Zhukova 1982: 781. Part of former Soviet Union.
anserina, $2n = 28$, Semerenko 1985: 994. Part of former Soviet Union.
anserina, $2n = 28$, Zhukova & Petrovsky 1985: 1071. Northern Asia.

SAPINDACEAE

Dodonaea

- viscosa*, $2n = 28$, Miège 1960b: 84. Africa.
viscosa, $n = 14$, Sarkar et al. 1975: 678. India.
viscosa, $n = 14$, Sarkar et al. 1976: 649. India.
viscosa, $n = 14$, Gill et al. 1984: 538. India.
viscosa, $n = 14$, Singhal & Gill 1984: 117. India.
viscosa, $n = 14$, West 1984: 16, 40–44. Australia.
viscosa, $n = 24$, Sandhu & Mann 1988: 227. India.
viscosa, $n = 14$, Gill et al. 1990: 309, 311. India.

SCROPHULARIACEAE

Hebe

- elliptica*, $2n = 40$, Moore 1967: 71. Falkland Islands.
elliptica, $n = 20$, Moore 1981: 1009. Tierra del Fuego.

SOLANACEAE

Solanum

- americanum*, $2n = 24$, Stebbins & Paddock 1949: 78. USA.
americanum, $2n = 24$, Mulligan 1961: 1061. Canada.
americanum, $2n = 24$, Edmonds 1972: 98, 103–104. Brazil and Venezuela.
americanum, $2n = 24$, Crompton & Bassett 1976: 646. Canada.
americanum, $n = 12$, Weedin & Powell 1980: 717. USA.
americanum, $n = 12$, Ganapathi & Rao 1987: 92, 94. India.
americanum, $n = 22_{II}+1_I$, Singh et al. 1988: 341–342. India.
aviculare, $n = 23$, Baylis 1963: 171, 174. Australia (New Zealand material is listed in Table 1).
aviculare, $2n = 46$, Herasimenko 1965: 73. Australia.
aviculare, $2n = 46$, Gerasimenko & Reznikova 1968: 508. Australia (New Zealand material is listed in Table 1).
aviculare, $n = 23$, Henderson 1973: 116. Australia.
laciniatum, $n = 46$, Baylis 1963: 171, 174. Australia (New Zealand material is listed in Table 1).
nodiflorum, $2n = 24$, Heiser & Whitaker 1948: 184. USA.
nodiflorum, $2n = 24$, Stebbins & Paddock 1949: 77. USA.

- nodiflorum*, $2n = 24$, Mulligan 1961: 1061. Canada.
nodiflorum, $2n = 24$, Roe 1967: 155. Peru.
nodiflorum, $n = 12_{II}$, Rao et al. 1971: 335–338. USA.
nodiflorum, $n = 12$, $2n = 24$, Henderson 1974: 12, 36–37. Australia.
nodiflorum, $n = 12$, Randell & Symon 1976: 371, 375. Australia.

URTICACEAE

Parietaria

- debilis*, $2n = 16$, Fernández et al. 1990: 98. Argentina.
debilis, $n = 8$, Sun et al. 1990: 259. Juan Fernández Islands.
debilis, $2n = 14$, Morton 1993: 172. West Africa.

1.1.2. Monocotyledonae

CYPERACEAE

Bolboschoenus

- fluviatilis*, $n = 55$, Hicks 1928: 306; as *Scirpus fluviatilis*. USA.
fluviatilis, $2n = c. 94$, Harriman 1981: 517; as *Scirpus fluviatilis*. USA.
fluviatilis, $2n = 104$, Löve & Löve 1981a: 845; as *Bolboschoenus maritimus* var. *fluviatilis*. Canada.

Carex

- breviculmis*, $2n = 72$, Okuno 1939: 333. Japan.
breviculmis, $n = 34$, $2n = 64$, Tanaka 1939a: 52, 55. Japan.
diandra, $n = 30$, Heilborn 1939: 225, 229; as *C. teretiuscula*. Sweden.
diandra, $2n = 60$, Löve & Löve 1956: 86. Iceland.
diandra, $2n = 60$, Löve & Löve 1965: 51. Canada.
diandra, $2n = 60$, Löve & Ritchie 1966: 432. Canada.
diandra, $2n = 60$, Löve & Löve 1981a: 846. Canada.
diandra, $n = 27$, Packer & Witkus 1982: 363. Alaska.
diandra, $n = 29_{II}$, Luceño 1994: 588. Spain.
echinata, $n = 28$, Heilborn 1939: 225, 228; as *C. stellulata*. Sweden.
echinata, $2n = 58$, Wulff 1939: 90; as *C. stellulata*. Germany.
echinata, $2n = 58$, Löve 1954a: 219, 229. Europe.
echinata, $2n = 58$, Löve 1954b: 219. Europe.
echinata, $2n = 58$, Löve & Löve 1956: 121. Iceland.
echinata, $2n = 56$, M. Hindáková in Májovský et al. 1974b: 5; as *C. stellulata*. Czechoslovakia.
echinata, $2n = 58$, Murin & Májovský 1976: 487. Czechoslovakia.
echinata, $2n = 58$, Pogan et al. 1982: 179; as *C. stellulata*. Poland.
echinata, $2n = 58$, Stoeva 1987: 65. Bulgaria.
echinata, $n = 28_{II}$, Luceño 1992: 156. Spain.
lachenalii, $n = 32$, Heilborn 1939: 225, 227. Sweden.
lachenalii, $2n = 64$, Flovik 1943: 78. Norway.
lachenalii, $n = 29$, Davies 1956a: 351. Sweden.
lachenalii, $n = 29$, Davies 1956b: 243. Sweden.
lachenalii, $2n = 62$, Löve & Löve 1956: 86. Iceland.
lachenalii, $2n = 64$, Knaben & Engelskjön 1967: 20; as *C. lagopina*. Norway.
lachenalii, $2n = 64$, Murin & Pačlová 1979: 404. Czechoslovakia.
lachenalii, $n = 32_{II}$, Luceño 1994: 588, 591. Spain.
pumila, $n = 41$, Tanaka 1937a: 816. Japan.
pumila, $n = 41$, $2n = 82$, Tanaka 1939a: 53, 55. Japan.
pumila, $2n = c. 80$, Probatova & Sokolovskaya 1988: 291. Part of former Soviet Union.
pyrenaica, $n = 36_{II}+1_{III}$, Luceño 1994: 588, 593. Spain.

Eleocharis

- acuta*, $2n = 40$, Briggs 1970: 131. Australia (New Zealand material is listed in Table 1).
gracilis, $2n = 20$, Briggs 1970: 131. Australia.
pusilla, $2n = 30$, Briggs 1970: 131. Australia.
sphacelata, $2n = 94-100$, c. 140, c. 157, 176–184, c. 188, Briggs 1970: 131. Australia.

Fimbristylis

- squarrosa*, $n = 10_{II}$, Tanaka 1939b: 481, 483. Japan.
squarrosa, $n = 10$, Mehra & Sachdeva 1971: 612. India.
squarrosa, $2n = 24$, Sanyal & Sharma 1972: 23. India.
squarrosa, $n = 10$, Mehra & Sachdeva 1975: 501. India.

Appendix 1 (contd)

Isolepis

- cernua*, $n = 24$, Tanaka 1942: 92; as *Scirpus cernuus*. Japan?
cernua, $2n = 48$, Moore 1967: 73. Falkland Islands.
cernua, $n = 30$, Pojar 1973: 623; as *Scirpus cernuus*. Canada.
fluitans, $2n = 60$, Scheerer 1940: 723, 725; as *Scirpus fluitans*. Germany.

Schoenoplectus

- pungens*, $2n = 74$, Harriman 1981: 517; as *Scirpus pungens*. USA.
pungens, $2n = 78$, Löve & Löve 1981a: 849. Canada.
validus, $2n = 42$, Löve 1954b: 217. North America.
validus, $n = 21$, Håkansson 1928: 282; as *Scirpus lacustris*. Scandinavia.
validus, $n = 19$, Tanaka 1937a: 818; as *Scirpus lacustris*. Japan.
validus, $n = 19$, Tanaka 1937b: 254; as *Scirpus lacustris*. Japan.
validus, $n = 19$, $2n = 38$ ($2n = 40$ and 42 for two variegated forms), Tanaka 1938: 516–517; as *Scirpus lacustris*. Japan.
validus, $2n = 40$, Tanaka 1939c: 534; as *Scirpus lacustris*. Japan.
validus, $2n = 38$, Tanaka 1940: 349; as *Scirpus lacustris*. Japan.
validus, $2n = 42$, H. D. Schotsman in Bakker 1954: 436; as *Scirpus lacustris*. Netherlands.
validus, $2n = 42$, Reese 1957: 603; as *Scirpus lacustris*. Africa.
validus, $n = 21$, Otzen 1962: 42–43; as *Scirpus lacustris*. Netherlands.
validus, $2n = 80$, Sanyal & Sharma 1972: 23; as *Scirpus lacustris*. India.
validus, $n = 21$, Mehra & Sachdeva 1975: 502; as *Scirpus lacustris*. India.

IRIDACEAE

Libertia

- pulchella*, $2n = 38$, Borgmann 1964: 140–141. New Guinea.

JUNCACEAE

Juncus

- maritimus*, $n = c. 21$, H. D. Wulff in Tischler 1936: 23. Germany.
maritimus, $n = c. 20$, Wulff 1937a: 827, 829. Germany.
maritimus, $2n = 40$, Löve & Löve 1948: 36. Denmark or Sweden.
maritimus, $2n = 48$, Snogerup 1963: 144–145. Sweden and Greece.
maritimus, $2n = 40$, Bhattacharya et al. 1971: 349. Libya.
scheuchzerioides, $2n = 40$, Moore 1967: 73. Falkland Islands.

JUNCAGINACEAE

Triglochin

- palustris*, $n = 12$, Wulff 1939: 89, 91. Germany.
palustris, $2n = 24$, Löve & Löve 1956: 83. Iceland.
palustris, $2n = 24$, Jørgensen et al. 1958: 10, 109. Greenland.
palustris, $2n = 24$, Skalińska et al. 1961: 479. Poland.
palustris, $2n = 24$, Sokolovskaya 1968: 104. Part of former Soviet Union.
palustris, $2n = 24$, Löve & Löve 1981b: 700. Canada.
palustris, $2n = 24$, Moore 1981: 1011. Tierra del Fuego.
palustris, $2n = 24$, Probatova & Sokolovskaya 1984: 1701. Part of former Soviet Union.
palustris, $2n = 24$, Dmitrieva 1986: 1146. Part of former Soviet Union?
palustris, $n = 12$, Dalgaard 1989: 206. Greenland.
palustris, $2n = 24$, Hollingsworth et al. 1992: 137. Great Britain.
striata, $n = 12$, Talavera & Garcia Murillo 1992: 83. Spain.

LEMNACEAE

Lemna

- minor*, $n = 20$, Tischler 1936: 23. Germany.
minor, $n = 20$, Rohweder 1938: 507, 544. Germany.
minor, $n = 21$, J. S. Brooks in Hillman 1961: 225. Great Britain.
minor, $2n = 40$, K. B. Blackburn in Bolkhovskikh et al. 1969: 375. Great Britain?
minor, $2n = 40$, Wcislo 1970: 82. Poland.
minor, $2n = 40$ (and 20, 30, 42, 50, 80), Urbanska-Worytkiewicz 1975: 380–384. Material counted from several countries (New Zealand material is listed in Table 1).

- minor*, $2n = 50$, Murin & Májovský 1978: 377. Czechoslovakia.
minor, $2n = 40$ (and 20, 30, 42, 50), Urbanska-Worytkiewicz 1980: 44, 58–61. Material counted from several countries (New Zealand material is listed in Table 1).
minor, $2n = 40$, Löve & Löve 1981b: 700. Canada.
minor, $2n = 40$, Al-Bermani et al. 1993: 270. Great Britain.
minor, $2n = 44$ and 66, Druskovic & Lovka 1995: 17. Slovenia.
minor, $2n = 40, 50$, Hirahaya & Kadono 1995: 121–122, 125–126. Japan.

Wolffia

- australiana*, $2n = 40$ (and 20), Urbanska-Worytkiewicz 1980: 77, 82–83. Australia (New Zealand material is listed in Table 1).

ORCHIDACEAE

Acianthus

- fornicatus*, $2n = 38$, Peakall & James 1989: 86. Australia.

Calochilus

- robertsonii*, $2n = 24$, Peakall & James 1989: 86. Australia.

Microtis

- parviflora*, $2n = 44$, Tanaka 1965a: 68. Japan.
parviflora, $2n = 44$, E. J. Beuzenberg [erroneously as Molloy pers. comm.] in Bates 1984: 50. Australia.
unifolia, $n = 22$, Peakall & James 1989: 86. Australia.

Pterostylis

- nutans*, $2n = 42$, Peakall & James 1989: 86. Australia.

Spiranthes

- australis*, $n = 12$, Takamine 1916: 299–300. Japan.
australis, $n = 15$ and 16, Mehra & Vij 1970: 110. India.
australis, $n = 16$, Mehra & Vij 1972: 241, 248; as *S. sinensis* “variety ‘a’”. India.
australis, $2n = 30$, Vij et al. 1981: 512. India.
australis, $2n = 30$, Vij & Shekhar 1983: 668. India.
australis, $n = 15, 2n = 30$, Mehra & Kashyap 1986: 152, 155–159. India.
sinensis, $2n = 30$, Miduno 1939: 448, 450. Japan.
sinensis, $n = 12, 2n = 24$, Ōno et al. 1957: 33. Japan.
sinensis, $2n = 30$, Mutsuura & Nakahira 1958: 27. Japan.
sinensis, $2n = 30$, Tanaka 1965a: 68. Japan.
sinensis, $2n = 30$, Tanaka 1965b: 54. Japan.
sinensis, $2n = 30$, Tanaka 1969a: 291–296. Japan.
sinensis, $2n = 30$, Tanaka 1969b: 168–169. Japan.
sinensis, $2n = 30$, Tanaka 1971: 121. Japan.
sinensis, $n = 15, 2n = 30$, Mehra & Vij 1972: 241, 248. India.
sinensis, $n = 15_{II}$ and 30_{II} , Vij & Vohra 1974: 139–143. India.
sinensis, $2n = 30$, Tanaka & Taniguchi 1975: 163. Japan?
sinensis, $2n = 30$, Taniguchi et al. 1975: 3124. Japan.
sinensis, $n = 30$, Vij & Gupta 1975: 614, 620. India.
sinensis, $2n = 30$, Terasaka et al. 1979: 60. Japan.
sinensis, $n = 15, 2n = 30$, Mehra & Kashyap 1986: 152, 155–159. India.
sinensis, $2n = 30$, Aoyama et al. 1992: 332. China.
sinensis, $2n = 30$, Rudyka 1995: 89. Part of former Soviet Union.

Thelymitra

- ixioides*, $2n = 28$, M. I. Dawson & E. J. Beuzenberg in Molloy & Hatch 1990: 106, 113. Australia.

POACEAE (GRAMINEAE)

Deschampsia

- cespitosa*, $n = 14$, Tischler 1936: 20. Germany.
cespitosa, $2n = 28$, Nielsen & Humphrey 1937: 278. USA.
cespitosa, $n = 14$, Rohweder 1938: 506, 523, 542. Germany.
cespitosa, $n = 14$, Hagerup 1939: 186–188. Denmark. (Slide re-examined by Jørgensen et al. 1958: 18.)
cespitosa, $n = 13, 2n = 26$, Lawrence 1945: 302–303. California, Sierra Nevada, Lapland, Sweden, and Finland.
cespitosa, $2n = 26$, A. Nygren in Löve & Löve 1948: 25. Scandinavia.
cespitosa, $2n = 28$, Wulff 1950: 70. Germany.
cespitosa, $2n = 26$, Hedberg 1952: 261. East Africa.
cespitosa, $2n = 24–26$, Sokolovskaya 1955: 851. Part of former Soviet Union.

Appendix 1 (contd)

Deschampsia (contd)

- cespitosa*, $2n = 27$, Tateoka 1955: 298. Japan.
cespitosa, $2n = 26$, Löve & Löve 1956: 84. Iceland.
cespitosa, $2n = 26$, 39 and 52, Hedberg 1958: 39. Scotland.
cespitosa, $n = 13$, Jørgensen et al. 1958: 18. Denmark. (Re-examination of Hagerup's 1939 slide.)
cespitosa, $2n = 26$, 27, and 28, Bowden 1960: 550. Canada.
cespitosa, $2n = 26$, 26+1f (and 29?, 30?, 33?), Kawano 1963: 726–729. Austria, Canada, Denmark, Netherlands, Norway, Sweden, and Portugal.
cespitosa, $2n = 26$, Taylor & Brockman 1966: 1095. Canada.
cespitosa, $2n = 52$, Hedberg 1967: 312. Canada.
cespitosa, $2n = 28$, Laane 1967: 46, 49. Norway.
cespitosa, $2n = 26$, Zhukova 1967: 984. Part of former Soviet Union.
cespitosa, $2n = 26$ and c. 52, Johnson & Packer 1968: 410, 413. Alaska.
cespitosa, $2n = 26$, Löve et al. 1971: 143. USA.
cespitosa, $n = 13+0-5f$, $2n = 26+0-7f$, Albers 1972: 4–22, 57–60. Germany.
cespitosa, $2n = c. 26$ and c. 52, Kožuharov & Petrova 1973: 287. Bulgaria.
cespitosa, $2n = 52$, McAllister 1973: 69. Great Britain.
cespitosa, $n = 13$, Pojar 1973: 623–624. Canada.
cespitosa, $2n = 26+1B$, A. Murin in Májovský et al. 1974a: 7. Czechoslovakia.
cespitosa, $2n = 24-26$ and 26, Sokolovskaya & Probatova 1975: 670–671. Part of former Soviet Union.
cespitosa, $n = 13$, Mehra & Sood 1976: 632. India.
cespitosa, $2n = c. 39$, Moore et al. 1976: 496. Canada.
cespitosa, $2n = 26$, Hedberg & Hedberg 1977: 10. Africa.
cespitosa, $2n = 26$, Probatova & Sokolovskaya 1978: 1123. Part of former Soviet Union.
cespitosa, $2n = 26$, Albers 1980: 141, 143, 145. Europe.
cespitosa, $2n = 26$, Probatova & Sokolovskaya 1980: 512. Part of former Soviet Union.
cespitosa, $2n = 26$, Löve & Löve 1981c: 72. Canada.
cespitosa, $2n = 52$, Petrovsky & Zhukova 1981: 381. Part of former Soviet Union.
cespitosa, $2n = 24$, Gvinianidze & Avazneli 1982: 579. Caucasus.
cespitosa, $2n = 26$, Stoeva 1982: 579. Bulgaria.
cespitosa, $2n = 26$, Strid & Franzén 1983: 333. Greece.
cespitosa, $2n = 26$ and 26+1B, Frey 1984: 120–122, 127–129. Poland.
cespitosa, $2n = 18$, Davlianidze 1985: 699. Part of former Soviet Union.
cespitosa, $2n = 26$ and 52, Rothera & Davy 1986: 452, 461–467. Great Britain.
cespitosa, $n = 13$, Chinnappa & Chmielewski 1987: 415. Canada.
cespitosa, $2n = 26+1-2B$, Pashuk 1987: 1072. Part of former Soviet Union.
cespitosa, $2n = 26$, Sorokin 1990: 1185. Part of former Soviet Union.
cespitosa, $2n = 26$, Bush & Barrett 1993: 1338. Canada.
cespitosa, $2n = 26$, Sorokin 1993: 39. Part of former Soviet Union.
cespitosa, $2n = 26$, Purdy & Bayer 1995: 122. Canada and USA.

Festuca

- contracta*, $2n = 42$, Dubcovsky & Martínez 1992: 1135. Argentina.

Hierochloa

- redolens*, $2n = 56$, Moore 1967: 73. Falkland Islands.

Lepturus

- repens*, $2n = 54$, Tateoka 1958: 447, 449. Ceylon.
repens, $n = 21$, Hsu 1972: 54. Taiwan.

Microlaena

- stipoides*, $2n = 48$, Parthasarathy 1939: 46, 52. Australia.

Oplismenus

- compositus*, $2n = 72$, Tateoka 1956a: 74. Japan.
compositus, $2n = 72$, Tateoka 1956b: 113. Japan.
compositus, $n = 36$, Chen & Hsu 1961: 103, 109. Taiwan.
compositus, $2n = 54$, Larsen 1963: 225. Thailand.
compositus, $2n = 72$, Hsu 1967: 128. Taiwan.
compositus, $n = 36$, Gupta 1971: 185, 193. India.
compositus, $n = 27$, Khosla & Singh 1972: 163. India.
compositus, $2n = 72$, Narayan & Muniyamma 1972: 682. India.
compositus, $n = 27$, Khosla & Mehra 1973: 650. India.

- compositus*, $n = 27$, Mehra & Sharma 1973: 117. India.
compositus, $2n = 72$, Gould & Soderstrom 1974: 1083, 1087. India.
compositus, $n = 9$, Mehra & Chaudhary 1974: 802. India.
compositus, $n = 27$ and $27+6-13B$, Mehra & Sharma 1975a: 77, 83–85. India.
compositus, $2n = 72$, Christopher & Abraham 1976: 629. India.
compositus, $n = 20$, Sharma & Kumar 1980: 706. India.
compositus, $n = 9, 27$, and 36 , Chaudhary 1983: 233–235. India.
compositus, $n = 9$, Bir & Sahni 1986: 154. India.
compositus, $n = 20$, Sinha et al. 1990: 142. India.
hirtellus, $2n = 60$, de Wet 1958: 114. South Africa.
hirtellus, $2n = 72$, Tateoka 1965: 866. Africa.
hirtellus, $2n = 72$, Reeder 1967: 6. Mexico.
hirtellus, $2n = 90$, Pohl & Davidse 1971: 301, 313. Costa Rica.
hirtellus, $2n = 54$ and 72 , Kammacher et al. 1973: 196, 206–207. Africa.
hirtellus, $n = 45$, Davidse & Pohl 1974: 320. Venezuela.
hirtellus, $n = 36$, Dujardin 1978: 2141, 2147. Africa.
hirtellus, $2n = 90$, Honfi et al. 1990: 88–89. Argentina.

Trisetum

- spicatum*, $2n = 28$, Flovik 1938: 326, 329. Norway.
spicatum, $2n = 28$, Flovik 1940: 433. Norway.
spicatum, $2n = 28$, T. Sørensen & M. Westergaard in Löve & Löve 1948: 25. Greenland.
spicatum, $2n = 28$ and 42 , Böcher & Larsen 1950: 8, 29. Greenland
spicatum, $n = 14$, $2n = 28$, Holmen 1952: 21, 35. Greenland.
spicatum, $2n = 28$, Löve 1954b: 216. Europe and North America.
spicatum, $2n = 28$, Tateoka 1954: 319, 324. Japan.
spicatum, $2n = 28$, Sokolovskaya 1955: 851. Part of former Soviet Union?
spicatum, $2n = 28$, Löve & Löve 1956: 172–174. Iceland and North America.
spicatum, $n = 14$ II, Jørgensen et al. 1958: 20, 111. Greenland.
spicatum, $2n = 28$ and 42 , Böcher 1959: 25. Greenland, Iceland, and North America.
spicatum, $2n = 28$ and 42 , Morrison 1959: 84–88. North America.
spicatum, $2n = 28$, Bowden 1960: 555. Canada.
spicatum, $2n = 28$, Sokolovskaya 1960: 44. Part of former Soviet Union.
spicatum, $2n = 28$, Sokolovskaya & Strelkova 1960: 373. Eurasia.
spicatum, $n = 14$, Beaman et al. 1962: 42. Mexico.
spicatum, $n = 14$, Chen & Hsu 1962: 301, 310. Taiwan.
spicatum, $2n = 28$, Zhukova 1965a: 1003. Part of former Soviet Union.
spicatum, $2n = 28$, Zhukova 1965b: 1321. Part of former Soviet Union.
spicatum, $2n = 28$, Mosquin & Hayley 1966: 1211. Canada.
spicatum, $2n = 28$ and 42 , Hedberg 1967: 312–313. Canada.
spicatum, $2n = 28$, Knaben & Engelskjön 1967: 17. Norway.
spicatum, $2n = 28$, Tateoka 1967: 564. Japan.
spicatum, $2n = 28$, Zhukova 1967: 984. Part of former Soviet Union.
spicatum, $2n = 28$, Johnson & Packer 1968: 415. Alaska.
spicatum, $2n = 28$, Mulligan & Porsild 1969: 656. Canada.
spicatum, $2n = 28$, Zhukova 1969: 1986. Part of former Soviet Union.
spicatum, $2n = 28$, Zhukova & Tikhonova 1971: 871. Part of former Soviet Union.
spicatum, $n = 21$, Davidse & Pohl 1972: 1443. Dominican Republic.
spicatum, $n = 14$, Hsu 1972: 54. Taiwan.
spicatum, $n = 14$, Pojar 1973: 625. Canada.
spicatum, $2n = 28$, Zhukova et al. 1973: 1334. Part of former Soviet Union.
spicatum, $2n = 28$, Küpfer 1974: 24. France.
spicatum, $2n = 28$, Packer & McPherson 1974: 1096. Alaska.
spicatum, $2n = 28$ and 42 , Jonsell et al. 1975: 139. Iceland, Norway, Sweden, and Austria.
spicatum, $n = 14$, Mehra & Sharma 1975b: 443. India.
spicatum, $n = 14$, Mehra & Sood 1975: 512. India.
spicatum, $2n = 28$, Sokolovskaya & Probatova 1975: 669. Part of former Soviet Union.
spicatum, $2n = 28$, Zhukova & Petrovsky 1976: 965. Part of former Soviet Union.
spicatum, $n = 14$, Mehra & Sharma 1977: 113. India.
spicatum, $2n = 28$, Reeder 1977: 103. USA.
spicatum, $2n = 28$, Zhukova et al. 1977: 230. Part of former Soviet Union.
spicatum, $2n = 28$, Probatova & Sokolovskaya 1978: 1127. Part of former Soviet Union.

Appendix 1 (*contd*)*Trisetum* (*contd*)

- spicatum*, $2n = 28$ and 42 , Tateoka 1978: 1–2. Japan.
spicatum, $2n = 28$, Probatova & Sokolovskaya 1980: 518. Part of former Soviet Union.
spicatum, $2n = 28$, Zhukova 1980: 55. Part of former Soviet Union.
spicatum, $2n = 28$, Zhukova & Petrovsky 1980: 652. Part of former Soviet Union.
spicatum, $2n = 28$, Petrovsky & Zhukova 1981: 381. Part of former Soviet Union.
spicatum, $2n = 28$, Zhukova 1982: 361. Part of former Soviet Union.
spicatum, $2n = 28$ and 42 , Randall & Hilu 1986: 571–573. Alaska, Canada, and USA.
spicatum, $2n = 28$, Wade 1986: 195. USA.
spicatum, $n = 14$, Dalgaard 1988: 249. Greenland.

POTAMOGETONACEAE (including RUPPIACEAE)*Potamogeton*

- pectinatus*, $2n = c. 78$, Scheerer 1939: 640, 642. Germany.
pectinatus, $2n = 78$, O. Palmgren in Löve & Löve 1942: 27. Sweden.
pectinatus, $2n = c. 78$, Harada 1956: 320. Japan.
pectinatus, $2n = 42$, Misra 1972: 50. India.
pectinatus, $n = 39$, Bhat et al. 1975: 513. India.
pectinatus, $2n = 86$, Yurtsev et al. 1975: 235. Part of former Soviet Union.
pectinatus, $2n = 78$, Uhríková & Feráková 1978: 379. Czechoslovakia.
pectinatus, $2n = 78$, Löve & Löve 1981b: 700. Canada.
pectinatus, $2n = 78$ (and 70–87), Kalkman & van Wijk 1984: 345–346. Netherlands, Egypt, France, South Africa, and USA.
pectinatus, $2n = c. 66$, Probatova & Sokolovskaya 1986: 1575. Part of former Soviet Union.
pectinatus, $2n = 84$, Uchiyama 1989: 275, 304. Japan.

Ruppia

- megacarpa*, $2n = 20$, Brock 1982: 221, 231. Australia.
megacarpa, $2n = 20$, S. Carstairs & M. A. Brock in Jacobs & Brock 1982: 335. Australia.
megacarpa, $2n = 20$, Snoeijis & van der Ster 1983: 299. Australia.
polycarpa, $2n = 20$, Brock 1982: 221, 231. Australia.
polycarpa, $2n = 18$ and 20 , S. Carstairs & M. A. Brock in Jacobs & Brock 1982: 334. Australia.

TYPHACEAE*Typha*

- orientalis*, $n = 15$, $2n = 30$, Harada 1947: 216, 218. Japan.
orientalis, $2n = 60$ and $58–62$, Briggs & Johnson 1968: 61. Australia and New Guinea.
orientalis, $2n = 60$ (and $2n = 30$ in their table), Hsu 1972: 51, 58. Taiwan.
orientalis, $2n = 60$, Finlayson et al. 1985: 101. Australia.

ZANNICHELLIACEAE*Zannichellia*

- palustris*, $2n = 28$, Scheerer 1940: 721, 725. Germany.
palustris, $n = 12$, $2n = 24$, Harada 1956: 321. Japan.
palustris, $2n = 28$, Löve & Löve 1956: 83. Iceland.
palustris, $2n = 12$, Reese 1957: 601, 603. Africa.
palustris, $2n = 24$, 32, 34, and 36, Reese 1963: 46. Germany.
palustris, $2n = c. 24$, Hedberg & Hedberg 1964: 125. Sweden.
palustris, $2n = 36$, Löve & Löve 1981b: 700. Canada.
palustris, $2n = 24$, van Vierssen 1982: 127–128. Germany, Netherlands, and Finland.
palustris, $2n = 34$, van Vierssen 1982: 127–128. Great Britain.

1.2. Taxa that may occur in New Zealand and elsewhere, but origin of material counted not specified in chromosome references

1.2.1. Dicotyledonae

AIZOACEAE

Tetragonia

tetragonioides, $n = 16$, Sugiura 1936: 592; as *T. expansa*.

ASTERACEAE (COMPOSITAE)

Cotula

coronopifolia, $2n = 20$, Wulff 1937c: 265, 268.

Senecio

glomeratus, $n = 30$, Ornduff et al. 1967: 209.

minimus, $n = 30$, Ornduff et al. 1963: 134.

BORAGINACEAE

Myosotis

australis, $2n = 24$, T. Matvejeva & Tichonova in Bolkhovskikh et al. 1969: 160.

CAMPANULACEAE

Wahlenbergia

gracilis, $n = 32$, Sugiura 1942: 425, 432.

marginata, $2n = 72$, Gadella 1966: 506.

CONVOLVULACEAE

Ipomoea

cairica, $2n = 30$, King & Bamford 1937: 281.

pes-caprae, $2n = 30$, King & Bamford 1937: 281.

DROSERACEAE

Drosera

binata, $2n = 32$, Behre 1929: 296–299.

binata, $2n = 32$, Rothfels & Heimbürger 1968: 99.

pygmaea, $2n = 20–22$, Heitz 1926: 649–650, 678.

pygmaea, $2n = c. 32$ (and 28–34), Behre 1929: 296–299.

spathulata, $2n = c. 72$, Heitz 1926: 649–650, 678.

spathulata, $2n = 80$, Behre 1929: 296–299.

spathulata, $2n = 80$, Rothfels & Heimbürger 1968: 99.

GERANIACEAE

Geranium

sessiliflorum, $2n = 56$, Gauger 1937: 530.

sessiliflorum, $n = 28$, $2n = 56$, Warburg 1938: 150.

PIPERACEAE

Peperomia

tetraphylla, $2n = 22$, Huang et al. 1989: 173.

RANUNCULACEAE

Myosurus

minimus, $n = 8$, Mann 1892: 358.

RUBIACEAE

Coprosma

baurei, $2n = c. 44$, Homeyer 1935: 243, 259. Identity uncertain. Name for the Norfolk Island species and an early synonym for material of *C. repens* from New Zealand. See Dawson 1995: 484.

baurei, $2n = 44$, Fagerlind 1937: 273. Identity uncertain. Name for the Norfolk Island species and an early synonym for material of *C. repens* from New Zealand. See Dawson 1995: 484.

Appendix 1 (contd)

baurei, $2n = 22$, de Poucques 1949: 17–18. Count or identity uncertain. Name for the Norfolk Island species and an early synonym for material of *C. repens* from New Zealand. See Dawson 1995: 484.
baurei, $2n = 22$, Selvaraj 1987: 346. Count or identity uncertain. Name for the Norfolk Island species and an early synonym for material of *C. repens* from New Zealand. See Dawson 1995: 484.

Nertera

depressa, $2n = 44$, Homeyer 1935: 243, 259.
depressa, $2n = 44$, Fagerlind 1937: 273.

SAPINDACEAE

Dodonaea

viscosa, $2n = 32$, Ahuja & Natarajan 1957: 117.
viscosa, $2n = 30$, Guervin 1961: 616.
viscosa, $2n = 28$, Ferrucci 1981: 74–75. Cultivated material from Argentina.
viscosa, $2n = 28$, Huang et al. 1989: 174.
viscosa, $2n = 28$, Hemmer & Morawetz 1990: 380.

SOLANACEAE

Solanum

americanum, $2n = 24$, Venkateswarlu & Rao 1972: 318. Cultivated? material from Denmark.
americanum, $n = 12$, Beg et al. 1989: 421.
aviculare, $n = 24$, Gottschalk 1954: 565–567, 599.
aviculare?, $n = 24$, Vilmorin & Simonet 1927: 165; as *S. laciniatum*. See Stary & Štorchová-Burianová 1962.
laciniatum?, $n = 48$, Hardas & Joshi 1954: 48; as *S. aviculare*. See Stary & Štorchová-Burianová 1962.
nodiflorum, $2n = 72$, Gerasimenko & Reznikova 1968: 507.
nodiflorum, $2n = 24$, Venkateswarlu & Rao 1969: 400.
nodiflorum, $2n = 24$, Venkateswarlu & Rao 1972: 318.

1.2.2. Monocotyledonae

ORCHIDACEAE

Spiranthes

sinensis, $2n = 30$, Martínez 1985: 145.

POACEAE (GRAMINEAE)

Trisetum

spicatum, $2n = 28$, G. L. Stebbins in Myers 1947: 388.

1.3. Other counts excluded from Table 1**1.3.1. Dicotyledonae**

AGAVACEAE

Cordyline

australis, $n = 60$, Matsuura & Sutô 1935: 69–70. Anomalous chromosome number for *C. australis*. Material cultivated in Japan and probably mis-identified (possibly *C. stricta*?).

ASTERACEAE (COMPOSITAE)

Bidens

pilosa. Numerous chromosome counts from countries other than New Zealand. Probably an early Polynesian introduction so chromosome counts are excluded.

Picris

hieracioides. Numerous chromosome counts from countries other than New Zealand. Considered an uncommon naturalised species in Australasia (Holzapfel 1994; Holzapfel & Lack 1993) so chromosome counts are excluded.

Senecio

esleri, $2n = 60$, Dawson 1989: 164; as *Senecio* "setose". Naturalised.

esleri, $2n = 60$, M. I. Dawson in Webb 1989: 566. Naturalised.

Taraxacum

officinale s.l.?, $2n = 24$, Beuzenberg & Hair 1984: 356; as *T. magellanicum* (ex L. Pukaki, Canterbury). Naturalised.

Vittadinia

australis, $n = 18$, Sarkar et al. 1982: 577. Uncertain if this count from India is of the New Zealand endemic species.

CALLITRICHACEAE

Callitriche

stagnalis, $2n = 10$, J. B. Hair in Mason 1959: 323. Naturalised.

stagnalis, $2n = 10$ and 15, Beuzenberg & Hair 1963: 54. Naturalised.

CARYOPHYLLACEAE

Spergularia

marina, $n = 18$, Hair 1963: 244; as *S. marginata*. Naturalised.

FABACEAE (LEGUMINOSAE)

Carmichaelia

cinerea, $2n = 32$, Chekhov 1935: 149, 174. Dubious species name.

ICACINACEAE

Pennantia

baylisiana × *endlicheri*, $2n = 50$, Murray & de Lange 1995: 564. Artificial hybrid involving foreign species.

ONAGRACEAE

Epilobium

erectum, $n = 18$, $2n = 36$, Hair 1942: 272. Referrable to *E. obscurum* (mostly) and *E. ciliatum*, both naturalised.

RANUNCULACEAE

Ranunculus

hirtus, $2n = 16$, Goepfert 1974: 473. Referrable to *R. reflexus*, but anomalous chromosome number for that species. Material cultivated in Copenhagen and probably mis-identified.

SCROPHULARIACEAE

Hebe

epacridea, $2n = 42$, Darlington & Wylie 1955: 312. Erroneous record, species not counted by Frankel & Hair 1937.

leiophylla, $n = 40$, Frankel & Hair 1937: 683. *Hebe leiophylla* is treated by Allan 1961: 947 as *incertae sedis*.

leiophylla, $2n = 40$ and 80, O. H. Frankel in Darlington & Wylie 1955: 311. *Hebe leiophylla* is treated by Allan 1961: 947 as *incertae sedis*.

macrantha, Darlington & Wylie 1955: 312. Erroneous record, species not counted by Frankel & Hair 1937.

1.3.2. Monocotyledonae

HYPOXIDACEAE

Hypoxis

hookeri, $2n = 28$, Beuzenberg & Hair 1963: 56; as *H. pusilla*. Naturalised.

POACEAE (GRAMINEAE)

Danthonia

flavescens, $2n = 12$, Singh & Godward 1963: 540. Count or identity uncertain; see Connor 1991: 224.

Elymus

caucasicus × *solandri*, $n = 17-29_{I}+2-9_{II}+0-2_{III}+0-1_{IV}$, $2n = 35$, Lu & Bothmer 1993: 42; as *E. caucasicus* × *scabrus*. Artificial hybrid involving foreign species.

ensyisii, $2n = 42$, J. B. Hair in Darlington & Wylie 1955: 453; as *Agropyron ensyisii*. Count does not match any later counts for that species.

nutans × *solandri*, $n = 13-28_{I}+7-13_{II}+0-1_{III}+0-1_{IV}$, $2n = 42$, Lu 1993: 200; as *E. nutans* × *scabrus*. Artificial hybrid involving foreign species.

rectisetus, $2n = 41-84$, J. B. Hair in Darlington & Wylie 1955: 453; as *Agropyron scabrum* (apo.). See Connor 1994: 127, 151. Naturalised.

Appendix 1 (contd)

- rectisetus*, $n = 20-23$, c. 28, and c. 31, $2n = 43, 57, 63$, and 94, Hair 1956: 130, 137; as *Agropyron scabrum*. Naturalised.
- rectisetus* × *multiflorus*, $2n = 49$, J. B. Hair in Connor 1954: 338; as *Agropyron scabrum* Group Foxton × *A. kirkii*. Spontaneous hybrid involving foreign species.
- solandri* × *caucasicus*, $n = 10-26_{I}+4-11_{II}+0-2_{III}+0-1_{IV}$, $2n = 35$, Lu & Bothmer 1993: 43; as *E. scabrus* × *caucasicus*. Artificial hybrid involving foreign species.
- Hybrids within *A. scabrum* sensu Connor (1954), Löve & Connor 1982: 173-176. Various artificial hybrids.
- Intergeneric hybrids between wheatgrasses from New Zealand and other countries. Löve & Connor 1982: 176-179. Various artificial hybrids involving foreign species.

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Appendix 2 Genera of spermatophytes in New Zealand with no known chromosome counts. Estimated number of described indigenous species in brackets.

1. Dicotyledonae

APIACEAE (UMBELLIFERAE)—*Actinotus* (1), *Azorella* (1), *Daucus* (1).
 ASTERACEAE (COMPOSITAE)—*Pleurophyllum* (3), *Sonchus* (1).
 BALANOPHORACEAE—*Dactylanthus* (1).
 BRASSICACEAE (CRUCIFERAE)—*Lepidium* (8).
 CARYOPHYLLACEAE—*Spergularia* (1).
 CHENOPODIACEAE—*Chenopodium* (3), *Einadia* (3), *Suaeda* (1).
 CONVULVULACEAE—*Calystegia* (3), *Convolvulus* (2), *Ipomoea* (2).
 CUCURBITACEAE—*Sicyos* (1).
 ELATINACEAE—*Elatine* (1).
 EPACRIDACEAE—*Sprengelia* (1).
 EUPHORBIACEAE—*Oreopranthera* (1), *Poranthera* (1).
 FABACEAE (LEGUMINOSAE)—*Canavalia* (1).
 HALORAGACEAE—*Gonocarpus* (4), *Myriophyllum* (5).
 LAURACEAE—*Cassytha* (1), *Litsea* (1).
 LENTIBULARIACEAE—*Utricularia* (3).
 LOGANIACEAE—*Logania* (1, extinct?), *Mitrasacme* (2).
 LORANTHACEAE—*Trilepidea* (1, extinct?).
 MENYANTHACEAE—*Liparophyllum* (1).
 RANUNCULACEAE—*Ceratocephala* (1).
 SANTALACEAE—*Exocarpus* (1), *Mida* (1).
 SAPOTACEAE—*Pouteria* (1).
 SCROPHULARIACEAE—*Euphrasia* (15).
 STYLIDIACEAE (including DONATIACEAE)—*Donatia* (1), *Phyllachne* (3).
 TETRACHONDRAEAE—*Tetrachondra* (1).
 URTICACEAE—*Elatostema* (1), *Parietaria* (1), *Urtica* (5).

2. Monocotyledonae

ARECACEAE (PALMAE)—*Rhopalostylis* (2).
 CENTROLEPIDACEAE—*Centrolepis* (3), *Gaimardia* (1).
 CYPERACEAE—*Baumea* (7), *Bolboschoenus* (3), *Carpha* (1), *Cyperus* (1), *Desmoschoenus* (1), *Fimbristylis* (1), *Gahnia* (6), *Lepidosperma* (3), *Machaerina* (1), *Morelotia* (1), *Oreobolus* (3), *Schoenoplectus* (2), *Schoenus* (8), *Tetraria* (1).
 HYDATELLACEAE—*Hydatella* (1).
 JUNCACEAE—*Marsippospermum* (1).
 ORCHIDACEAE (Most New Zealand orchids have unpublished chromosome counts by M. I. Dawson and E. J. Beuzenberg. These counts are not listed in this index)—*Adenochilus* (1), *Aporostylis* (1), *Bulbophyllum* (2), *Caladenia* (7), *Caleana* (1), *Calochilus* (3), *Chiloglottis* (3), *Danhatchia* (1), *Earina* (3?), *Gastrodia* (3), *Genoplesium* (2), *Orthoceras* (2), *Prasophyllum* (?), *Pterostylis* (c. 27), *Spiranthes* (1), *Waireia* (1).
 PANDANACEAE—*Freycinetia* (1).
 POACEAE (GRAMINEAE)—*Achnatherum* (1), *Amphibromus* (1), *Austrostipa* (1), *Cenchrus* (1), *Deyeuxia* (5), *Hierochloe* (7), *Imperata* (1), *Isachne* (1), *Koeleria* (3), *Lachnagrostis* (12), *Lepturus* (1), *Pyrrhanthera* (1), *Zoysia* (2).
 POTAMOGETONACEAE—*Potamogeton* (4).
 SPARGANIACEAE—*Sparganium* (1).
 THISMIAEAE—*Thismia* (1).
