

Index to chromosomes of Japanese Pteridophyta

journal or publication title	Index to chromosomes of Japanese Pteridophyta (1910-1996)
page range	1-103
year	1996
URL	http://hdl.handle.net/2298/00046419

Index to Chromosomes of Japanese Pteridophyta

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
ASPLENIACEAE			
<i>Asplenium</i> L.: $x=36, 38, 39$; ploidy of Japanese plants = $2x, 3x, 4x, 5x, 6x, 8x$			
<i>Asplenium</i> × <i>akaishiense</i> K.Otsuka			
Japanese name: Kumo-iwatoranoo			
No information			
<i>Asplenium antiquum</i> Makino			
Japanese name: O-taniwatari			
$2n=144$	$4x$	Tokunoshima Isl., Kagoshima Pref.	Kawakami,1970
<i>Asplenium apogonum</i> N.Murakami et S.-I.Hatanaka			
Japanese name: Taiwan-hobi-shida			
$n=117, 2n=117$	$3x$ apo	Okinawajima Isl., Okinawa Pref.	Mitui <i>et al.</i> ,1989a
<i>Asplenium australasicum</i> (J.Sm.) Hook.			
Japanese name: Ryukyu-torinosu-shida			
$2n=144$	$4x$	Iriomotejima Isl., Okinawa Pref.	Nakato,1987b
<i>Asplenium capillipes</i> Makino			
Japanese name: Hime-iwatoranoo			
$n=36$?* ?	Mt.Toyoguchiyama, Nagano Pref.	Mitui,1970
<i>Asplenium cardiophyllum</i> (Hance) Baker			
Japanese name: Hime-taniwatari			
$n=76$	$4x$ sex	Hahajima Isl., Tokyo Pref.	Kurita,1972
$2n=156$	$4x$	Hahajima Isl., Tokyo Pref.	Kato <i>et al.</i> ,1990
<i>Asplenium cataractarum</i> Rosenst.			
Japanese name: Nangoku-hobi-shida			
$n=39$	$2x$ sex	Yakushima Isl., Kagoshima Pref.	Mitui <i>et al.</i> ,1989a
$2n=78$	$2x$ sex	Yakushima Isl., Kagoshima Pref.	Mitui <i>et al.</i> ,1989a
$(2n=117)$	$3x$ irr	Hachijojima Isl., Tokyo Pref.; Yakushima Isl., Kagoshima Pref.	Mitui <i>et al.</i> ,1989a
<i>Asplenium cheilosorum</i> Kunze ex Mett.			
Japanese name: Usuba-kujaku			
$n=117, 2n=117$	$3x$ apo	Yakushima Isl., Kagoshima Pref.	Mitui <i>et al.</i> ,1989a
<i>Asplenium coenobiale</i> Hance			
Japanese name: Kurogane-shida			
No information			
<i>Asplenium ensiforme</i> Wall. ex Hook. et Grev.			
Japanese name: Hokogata-shida			
No information			
<i>Asplenium excisum</i> C.Presl			
Japanese name: Rahao-shida			
No information			

* Mitui noted that "...sporangium contained 32 spores instead of 64 spores. If this species was apogamous, the basic chromosome number of this genus ($x=36$) must be the secondary one derived from primary one."

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Asplenium filipes</i> Copel.			
Japanese name: Yakushima-hobi-shida			
$n=39$, $2n=78$	2x sex	Yakushima Isl., Kagoshima Pref.	Mitui <i>et al.</i> ,1989a
($2n=117$)	3x irr	Yakushima Isl., Kagoshima Pref.	Mitui <i>et al.</i> ,1989a
$n=78$	4x sex	Yakushima Isl., Kagoshima Pref.	Mitui <i>et al.</i> ,1989a
<i>Asplenium griffithianum</i> Hook.			
Japanese name: Fusa-sajiran			
No information			
<i>Asplenium hondoense</i> N.Murakami et S.-I.Hatanaka			
Japanese name: Hobi-shida			
$n=72$	2x apo	Mt.Ogasayama, Shizuoka Pref.*	Kurita,1960
$n=117$	3x apo	Mitsuishiyama, Chiba Pref.; Ioki, Kochi Pref.	Mitui <i>et al.</i> ,1989a
$2n=117$	3x apo	Jinmuji, Kanagawa Pref.; Sugo, Shizuoka Pref.; Nijishima & Kuki, Mie Pref.; Kuroki-cho, Fukuoka Pref.	Mitui <i>et al.</i> ,1989a
$2n=156$	4x apo	Futo, Shizuoka Pref.; Kukizaki, Mie Pref.	Mitui <i>et al.</i> ,1989a
<i>Asplenium</i> × <i>iidanum</i> (Sa.Kurata) Shimura et Takiguchi			
Japanese name: Misakubo-shida			
($2n=c280$),	8x irr	Haruno-cho, Shizuoka Pref.	Shimura & Takiguchi,1979
$2n=288$			
($2n=c280$)	8x irr	Tatsuyama-mura, Shizuoka Pref.	Shimura & Takiguchi,1979
<i>Asplenium</i> × <i>ikekawae</i> Nakaike			
Japanese name: Hagoromo-kotaniwatari			
No information			
<i>Asplenium incisum</i> Thunb.			
Japanese name: Toranoo-shida			
$n=36$	2x sex	Mt.Bukosan, Saitama Pref.*	Kurita,1960
$n=36$	2x sex	Kawamata, Saitama Pref.	Mitui,1968
$2n=72$	2x	Hiroshima City, Hiroshima Pref.	Tatuno & Kawakami,1969
<i>Asplenium</i> × <i>kenzoi</i> Sa.Kurata			
Japanese name: Oni-hinokishida			
No information			
<i>Asplenium</i> × <i>kitazawae</i> Sa.Kurata et Hutoh			
Japanese name: Isezaki-toranoo			
No information			
<i>Asplenium</i> × <i>kobayasii</i> Tagawa			
Japanese name: Yamadori-toranoo			
$n=72$	4x sex	Mt.Ohira, Hokkaido Pref.	Lovis <i>et al.</i> ,1972
$n=72$	4x sex	Mt.Ohira, Hokkaido Pref.	Lin & Sleep,1989
<i>Asplenium laserpitifolium</i> Lam.			
Japanese name: O-tokiwashida			
No information			

* The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Asplenium loriceum</i> H.Christ ex C.Chr. Japanese name: Makino-shida No information			
<i>Asplenium micantifrons</i> (Tuyama) Tuyama ex H.Ohba Japanese name: Nankai-shida No information			
<i>Asplenium nidus</i> L. Japanese name: Shima-otaniwatari 2n=144	4x	Tokunoshima Isl., Kagoshima Pref.	Kawakami,1970
<i>Asplenium normale</i> D.Don var. <i>boreale</i> Ohwi ex Sa.Kurata Japanese name: Shimotsuke-nuritoranoo No information			
<i>Asplenium normale</i> D.Don var. <i>normale</i> Japanese name: Nuri-toranoo No information			
<i>Asplenium normale</i> var. <i>normale</i> × <i>A. normale</i> var. <i>boreale</i> Japanese name: Shimoda-nuritoranoo No information			
<i>Asplenium normale</i> D.Don var. <i>shimurae</i> H.Itô Japanese name: Tenryu-nuritoranoo No information			
<i>Asplenium oligophlebium</i> Baker var. <i>iezimaense</i> (Tagawa) Tagawa Japanese name: Iejima-chasen-shida No information			
<i>Asplenium oligophlebium</i> Baker var. <i>oligophlebium</i> Japanese name: Kamigamo-shida 2n=72		Hiroshima City, Hiroshima Pref.	Tatuno & Kawakami,1969
<i>Asplenium pekinense</i> Hance Japanese name: Tokiwa-toranoo n=72	4x sex	Mt.Gozenyama, Tokyo Pref.	Mitui,1965
n=72	4x sex	Mt.Gozenyama, Tokyo Pref.	Mitui,1968
n=72	4x sex	Takisawa, Shizuoka Pref.	Mitui,1975
n=72	4x sex	Honjo-mura, Oita Pref.	Lin & Sleep,1989
<i>Asplenium pekinense</i> × <i>A. sarelii</i> Japanese name: Ai-tokiwa-toranoo (2n=144)	4x irr	Takisawa, Shizuoka Pref.	Mitui,1975
<i>Asplenium polyodon</i> G.Forst. Japanese name: Munin-shida No information			
<i>Asplenium prolongatum</i> Hook. Japanese name: Hinoki-shida No information			

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Asplenium pseudo-wilfordii</i> Tagawa			
Japanese name: Okutama-shida			
$n=144$	8x sex	Haruno, Shizuoka Pref.	Shimura & Takiguchi,1979
<i>Asplenium ritoense</i> Hayata			
Japanese name: Kozaki-shida			
$n=72$	4x sex	Cultivated in Tokyo Univ. of Education	Mitui,1968
$2n=144$	4x	Muroto City, Kochi Pref.	Kawakami,1970
<i>Asplenium ruprechtii</i> Sa.Kurata			
Japanese name: Kumonosu-shida			
$n=36$	2x sex	Mt.Gozenyama, Tokyo Pref.	Mitui,1965
$n=36$	2x sex	Mt.Gozenyama, Tokyo Pref.	Mitui,1968
$n=36$	2x sex	Mt.Togakushiyama, Nagano Pref.	Kurita,1965a
$2n=72$	2x	Tojo-cho, Hiroshima Pref.	Kawakami,1970
<i>Asplenium ruta-muraria</i> L.			
Japanese name: Icho-shida			
No information			
<i>Asplenium sarelii</i> Hook.			
Japanese name: Koba-no-hinoki-shida			
$n=72$	4x sex	Mt.Gozenyama, Tokyo Pref.*	Kurita,1960
$n=72$	4x sex	Itsukaichi, Tokyo Pref.	Mitui,1968
$n=72$	4x sex	Tosayama-mura, Kochi Pref.	Lin & Sleep,1989
<i>Asplenium scolopendrium</i> L.			
Japanese name: Ko-taniwatari			
$n=72$	4x sex	No locality given	Emmott,1964
$n=72$	4x sex	Okukinu, Tochigi Pref.	Mitui,1966a
$n=72$	4x sex	Okukinu, Tochigi Pref.	Mitui,1968
<i>Asplenium</i> × <i>shikokianum</i> Makino			
Japanese name: Hayama-shida			
$(2n=c170)$	5x irr	Cultivated in Botanical Garden, Univ. of Tokyo	Mitui,1968
$(2n=c216)$	6x irr	Shizuoka City & Tenryu City, Shizuoka Pref.	Shimura & Matsumoto,1976
<i>Asplenium subnormale</i> Copel.			
Japanese name: Usuiro-hobi-shida			
$n=76$	4x sex	Yonagunijima Isl., Okinawa Pref.	Mitui <i>et al.</i> ,1989a
<i>Asplenium tenerum</i> G.Forst.			
Japanese name: Otome-shida			
No information			
<i>Asplenium tenuicaule</i> Hayata			
Japanese name: Iwa-toranoo			
$n=36$	2x sex	Mt.Gozenyama, Tokyo Pref.*	Kurita,1960
$2n=72$	2x	Tosayama-mura, Kochi Pref.	Kawakami,1970

* The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Asplenium × tosaens</i> Sa.Kurata			
Japanese name: Kuroganeshida-modoki			
No information			
<i>Asplenium trichomanes</i> L.			
Japanese name: Chasen-shida			
$n=72$	4x sex	Minamata City, Kumamoto Pref.	Kurita,1967a
$n=72$	4x sex	Cultivated in Tokyo Univ. of Education	Mitui,1975
$2n=144$	4x	Itoigawa City, Niigata Pref.	Kawakami,1970
$2n=144$	4x	Mt.Rausudake, Hokkaido Pref.	Nakaike <i>et al.</i> ,1994
<i>Asplenium trichomanes</i> × <i>A. tripteropus</i>			
Japanese name: Ai-chasenshida			
No information			
<i>Asplenium trigonopterum</i> Kunze			
Japanese name: Oba-no-hinokishida			
$2n=286$	8x apo	Chichijima Isl., Tokyo Pref.	Nakato,1987b
<i>Asplenium tripteropus</i> Nakai			
Japanese name: Inu-chasen-shida			
$2n=72$	2x	Asa-machi, Hiroshima Pref.	Tatuno & Kawakami,1969
$n=72$	4x sex	Mt.Funakoshi, Hyogo Pref.	Mitui,1965
$n=72$	4x sex	Cultivated in Tokyo Univ. of Education	Mitui,1968
<i>Asplenium viride</i> Huds.			
Japanese name: Ao-chasen-shida			
$n=36$	2x sex	Mt.Toyoguchiyama, Nagano Pref.	Mitui,1970
<i>Asplenium wilfordii</i> Mett. ex Kuhn			
Japanese name: Aogane-shida			
$2n=144$	4x	Amamioshima Isl., Kagoshima Pref.	Kawakami,1970
<i>Asplenium wrightii</i> D.C.Eaton ex Hook.			
Japanese name: Kuruma-shida			
$n=c144$	8x sex	Mt.Ogasayama, Shizuoka Pref.*	Kurita,1967b
$n=144$	8x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1967b
$n=144$	8x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1968
<i>Asplenium yoshinagae</i> Makino			
Japanese name: Tokiwa-shida			
$n=144$	8x sex	Haruno-cho, Shizuoka Pref.	Shimura & Takiguchi,1979

AZOLLACEAE

***Azolla* Lam.:** $x=22$; ploidy of Japanese plants = $2x$

* The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Azolla imbricata</i> (Roxb.) Nakai*			
Japanese name: Aka-uki-kusa			
2n=44	2x	Okinawa Pref.	Stergianou & Fowler,1990
2n=44	2x	Okinawa Pref.	Saunders & Fowler,1993
<i>Azolla japonica</i> Franch. et Sav.*			
Japanese name: O-akaukikusa			
2n=44	2x	Tanabe & Tsuzuki, Kyoto Pref.; Matsue, Shimane Pref.; Chikugo, Fukuoka Pref.	Stergianou & Fowler,1990

BLECHNACEAE

***Blechnum* L.: $x=31, 33, 34$; ploidy of Japanese plants = $2x, 10x$**

***Blechnum amabile* Makino**

Japanese name: Osa-shida

n=31	2x sex	Kiyosunoyama, Chiba Pref.; Mt.Ogasayama, Shizuoka Pref.	Kurita,1965a
2n=62	2x	Mt.Asahi, Yamagata Pref.; Mt.Myokosan, Niigata Pref.; Kameyama, Chiba Pref.; Masutomi, Yamanashi Pref.	Nakato,1987a

***Blechnum castaneum* Makino**

Japanese name: Miyama-shishigashira

2n=340	10x	Mt.Iide, Yamagata Pref.; Mt.Myokosan, Niigata Pref.	Nakato,1987a
2n=>340	10x	Mt.Asahi, Yamagata Pref.	Nakato,1987a

***Blechnum hancockii* Hance**

Japanese name: Hakuun-shida

No information

***Blechnum niponicum* (Kunze) Makino**

Japanese name: Shishi-gashira

n=c29	2x sex	Mt.Bukosan, Saitama Pref.**	Kurita,1960
n=31	2x sex	Kikugawa, Shizuoka Pref.	Kurita,1965a
n=31	2x sex	Obarano, Mie Pref.	Mitui,1966a
n=31	2x sex	Cultivated in Tokyo Univ. of Education	Mitui,1968
n=31	2x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1986
2n=62	2x	Higashiyamato City & Okutama, Tokyo Pref.; Dentsuku-toge, Yamanashi Pref.; Takayanagi, Niigata Pref.; Yugashima & Hijirizawa, Shizuoka Pref.; Kakeya, Shimane Pref.	Nakato,1987a

***Blechnum orientale* L.**

Japanese name: Hiryu-shida

n=33	2x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1966a
n=33	2x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1968

* Chromosome numbers were reported under *Azolla pinnata* A.Br. and *A. filiculoides* Lam. According to Dr. Iwao Watanabe, Mie University (personal communication), *A. imbricata* is a synonym of *A. pinnata* and *A. japonica* is *A. filiculoides*.

** The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
Woodwardia Sm.: $x=31, 34$; ploidy of Japanese plants = $2x, 3x, 4x$			
Woodwardia harlandii Hook.			
Japanese name: Ogini-shida			
No information			
Woodwardia \times intermedia H.Christ			
Japanese name: Ai-okaguma			
No information			
Woodwardia \times izuensis Sa.Kurata			
Japanese name: Izu-komochishida			
($2n=102$)	3x irr	Cultivated in Tokyo Univ. of Education	Mitui,1968
Woodwardia japonica (L.f.) Sm.			
Japanese name: O-kaguma			
$n=34$	2x sex	Hitoyoshi City, Kumamoto Pref.	Mitui,1965
$n=34$	2x sex	Hitoyoshi City, Kumamoto Pref.	Mitui,1968
$2n=68$	2x	Miyanokoshi & Izutatoge, Kochi Pref.; Tatsutayama, Kinpozan, Tateiwa, Kamifukami, Maeshima, Mt.Jiromarudake, Mt.Kuradake, Hangawachi, Kakigo, & Yuyama, Kumamoto Pref.; Shiroyama, Oita Pref.; Yakushima Isl., Kagoshima Pref.	Takamiya <i>et al.</i> ,1992
Woodwardia kempii Copel.			
Japanese name: Hosoba-okaguma			
$2n=124$	4x	Yakushima Isl., Kagoshima Pref.	Takamiya <i>et al.</i> ,1992
Woodwardia orientalis Sw. var. formosana Rosenst.			
Japanese name: Hachijo-kaguma			
$n=34$	2x sex	Amamioshima Isl., Kagoshima Pref.	Mitui,1967b
$n=34$	2x sex	Cultivated in Tokyo Univ. of Education	Mitui,1968
$2n=68$	2x	Waifu, Uchimaki, Kawahara, Oyatsu, Kamijin, Soshinbaru, Kanaji, Ideno, Yamase, Funatsu, Keiyono, Koike, Nagahama, Tategami, Uchiyama, Yunotsuru, Iwaiguchi, & Yairagi, Kumamoto Pref.; Gosyodani, Miyazaki Pref.; Kuranomoto, Shiroyama, & Yakushima Isl., Kagoshima Pref.	Takamiya <i>et al.</i> ,1992
Woodwardia orientalis Sw. var. orientalis			
Japanese name: Komochi-shida			
$n=68$	4x sex	Kikugawa, Shizuoka Pref.	Kurita,1963a
$n=68$	4x sex	Cultivated in Tokyo Univ. of Education	Mitui,1968
$2n=136$	4x	Yanokuchi & Hirai, Wakayama Pref.; Nishiharu, Nara Pref.; Hirai & Umikawa, Tokushima Pref.; Ushikubi, Fukuoka Pref.; Nakama, Kosaka, Itagusu, Ota, Kawakita, Miyantani, Konoha, Nagayama, Waifu, Koga, Shinnyu, Tateno, Muromachi, Nagatani, Noide, Hanazono, Kurokami, Shimazaki, Takaki, Nagahara, Kamiji, Tsurugafuchi, Omine, Kiharadani, Kuribayashi, Funatsu, Iwashita, Kamifukami, Kamase, Kakigo, Funae, & Kaimawari, Kumamoto Pref.; Takachiho-machi, Goshodani, & Mitate, Miyazaki Pref.	Takamiya <i>et al.</i> ,1992

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Woodwardia unigemmata</i> (Makino) Nakai			
Japanese name: Hai-komochishida			
$n=34$	$2x$ sex	Yugashima, Shizuoka Pref.	Kurita,1966b
$2n=68$	$2x$	Kamifukami & Yunotsuru, Kumamoto Pref.	Takamiya <i>et al.</i> ,1992

CHEIROPLEURIACEAE

***Cheiropleuria* C. Presl: $x=58$ (non-Japanese plant); ploidy of Japanese plant = $4x$**

***Cheiropleuria bicuspis* (Blume) C.Presl**

Japanese name: Suji-hitotsuba

$2n=232$	$4x$	Amamioshima Isl., Kagoshima Pref.	Nakato,1996
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CYATHEACEAE

***Cyathea* Sm.: $x=69$; ploidy of Japanese plants = $2x, 4x$**

***Cyathea hancockii* Copel.**

Japanese name: Kusa-maruhachi

$2n=138$	$2x$	Owase, Mie Pref.	Nakato,1989a
$2n=c138$	$2x$	Okinawajima Isl., Okinawa Pref.	Nakato,1989a
$2n=c276$	$4x$	Kannoura, Kochi Pref.	Nakato,1989a

***Cyathea lepifera* (J.Sm. ex Hook.) Copel.**

Japanese name: Mori-hego

$2n=138$	$2x$	Ishigakijima Isl. & Iriomotejima Isl., Okinawa Pref.	Nakato,1989a
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***Cyathea mertensiana* (Kunze) Copel.**

Japanese name: Maruhachi

$2n=138$	$2x$	Chichijima Isl., Tokyo Pref.	Nakato,1989a
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***Cyathea metteniana* (Hance) C.Chr. et Tardieu**

Japanese name: Chabo-hego

$2n=274$	$4x$	Ishigakijima Isl. & Iriomotejima Isl., Okinawa Pref.	Nakato,1989a
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***Cyathea ogirae* (Hayata) Domin**

Japanese name: Me-hego

$2n=138$	$2x$	Chichijima Isl., Tokyo Pref.	Nakato,1989a
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***Cyathea podophylla* (Hook.) Copel.**

Japanese name: Kuro-hego

$2n=138$	$2x$	Ishigakijima Isl. & Iriomotejima Isl., Okinawa Pref.	Nakato,1989a
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***Cyathea spinulosa* Wall. ex Hook.**

Japanese name: Hego

$2n=138$	$2x$	Yakushima Isl., & Amamioshima Isl., Kagoshima Pref.; Iriomotejima Isl., Okinawa Pref.	Nakato,1989a
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***Cyathea tuyamae* H.Ohba**

Japanese name: Edauchi-hego

No information

DAVALLIACEAE

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
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***Davallia* Sm.: $x=40$; ploidy of Japanese plants = $2x$, $3x$**

***Davallia mariesii* Moore ex Baker**

Japanese name: Shinobu

$2n=80$	$2x$	Agano, Saitama Pref.; Itsukaichi & Sawai, Tokyo Pref.; Kosuge, Yamanashi Pref.; Owase, Mie Pref.; Nachi, Wakayama Pref.; Totsukawa & Asuka, Nara Pref.; Hino, Tottori Pref.	Nakato,1988
$2n=120$	$3x$	Sawai, Tokyo Pref.	Nakato,1988

***Pachypleuria* (C. Presl) C. Presl: $x=40$ (non-Japanese species)**

***Pachypleuria repens* (L.f.) M.Kato**

Japanese name: Kiku-shinobu

No information

***Pachypleuria trifoliata* (Cav.) C.Presl**

Japanese name: Shima-kikushinobu

No information

DENNSTAEDTIACEAE

***Denstaedtia* Bernh.: $x=30$, 31 , 32 ; ploidy of Japanese plants = $2x$, $4x$**

***Denstaedtia hirsuta* (Sw.) Mett. ex Miq.**

Japanese name: Inu-shida

$n=30$	$2x$	sex	Hamaoka, Shizuoka Pref.	Verma & Kurita,1961
$n=30$	$2x$	sex	Futase, Saitama Pref.	Mitui,1968
$2n=60$	$2x$		Matsuzaki, Shizuoka Pref.	Kurita,1972
$2n=60$	$2x$		Take-cho, Hiroshima Pref.	Kawakami,1979

***Denstaedtia scabra* (Wall. ex Hook.) T.Moore**

Japanese name: Koba-no-ishikaguma

$n=c60$	$4x$	sex	Mt.Ozakusan, Tochigi Pref.	Mitui,1968
$2n=128$	$4x$		Matsuzaki, Shizuoka Pref.	Kurita,1972

***Denstaedtia wilfordii* (Moore) H.Christ**

Japanese name: Oren-shida

$n=31$, $2n=62$	$2x$	sex	Toke, Chiba Pref.; Yugashima Shizuoka Pref.	Kurita,1972
$n=31$	$2x$	sex	Ongata, Tokyo Pref.	Mitui,1965
$n=31$	$2x$	sex	Ongata, Tokyo Pref.	Mitui,1968
$2n=62$	$2x$		Monobe-cho, Kochi Pref.	Kawakami,1979

***Histiopteris* (J. Agardh) J. Sm.: $x=48$; ploidy of Japanese plants = $2x$, $4x$**

***Histiopteris incisa* (Thunb.) J.Sm.**

Japanese name: Yunomine-shida

$n=48$	$2x$	sex	Hahajima Isl., Tokyo Pref.	Mitui,1973
$n=c96$, $2n=c190$	$4x$	sex	Ukusu, Shizuoka Pref.	Kurita,1972

***Hypolepis* Bernh.: $x=49$ (non-Japanese species); ploidy of Japanese plants = $4x$**

***Hypolepis alpina* (Blume) Hook.**

Japanese name: Seitaka-iwahimewarabi

No information

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Hypolepis punctata</i> (Thunb.) Mett. ex Kuhn			
Japanese name: Iwa-hime-warabi			
<i>n</i> =c104	4x sex	Mt.Ogasayama & Oma, Shizuoka Pref.	Kurita,1962
<i>n</i> =98	4x sex	No locality given	Kurita,1967b
<i>n</i> =c92	4x sex	Obarano, Mie Pref.	Mitui,1968
<i>n</i> =98	4x sex	No locality given	Kurita,1972
<i>n</i> =98	4x sex	Shirayasawa, Saitama Pref.	Mitui,1975
<i>n</i> =98	4x sex	Yahiko, Niigata Pref.	Mitui,1976b
2 <i>n</i> =200	4x	Shimizu City, Shizuoka Pref.	Nakato,1990
<i>Hypolepis punctata</i> × <i>H. tenuifolia</i>			
Japanese name: Ai-iwahimewarabi			
(2 <i>n</i> =c200)	4x irr	Cultivated in Shizuoka Univ.*	Kurita,1967b
(2 <i>n</i> =c200)	4x irr	Cultivated in Shizuoka Univ.*	Kurita,1972
<i>Microlepia</i> C. Presl: <i>x</i>=42, 43; ploidy of Japanese plants = 2<i>x</i>, 3<i>x</i>, 4<i>x</i>, 6<i>x</i>			
<i>Microlepia</i> × <i>austrorizensis</i> Nakato et Seriz.			
Japanese name: Nise-odoriko-kaguma			
2 <i>n</i> =126	3 <i>x</i> irr	Nagatsuro, Shizuoka Pref.	Nakato & Serizawa,1981
<i>Microlepia hookeriana</i> (Wall. ex Hook.) C.Presl			
Japanese name: Yanbaru-fumotoshida			
No information			
<i>Microlepia izu-peninsulae</i> Kurata			
Japanese name: Odoriko-kaguma			
<i>n</i> =84-86	4 <i>x</i> sex	Ukusu, Shizuoka Pref.	Kurita,1967a
<i>n</i> =c86	4 <i>x</i> sex	Onabe, Shizuoka Pref.	Sasamoto,1970
<i>n</i> =86	4 <i>x</i> sex	Onabe, Shizuoka Pref.	Mitui,1975
<i>Microlepia marginata</i> (Panz.) C.Chr. var. <i>bipinnata</i> Makino			
Japanese name: Kujaku-fumotoshida			
(2 <i>n</i> =c126)	3 <i>x</i> irr	Cultivated in Tokyo Univ. of Education	Mitui,1968
2 <i>n</i> =126	3 <i>x</i> irr	Susami, Wakayama Pref.; Boroishiyama, Miyazaki Pref.	Nakato,1990
2 <i>n</i> =168	4 <i>x</i> irr	Shimoda, Shizuoka Pref.	Nakato & Serizawa,1981
<i>Microlepia marginata</i> (Panz.) C.Chr. var. <i>marginata</i>			
Japanese name: Fumoto-shida			
<i>n</i> =c86	4 <i>x</i> sex	Taura, Kanagawa Pref.	Mitui,1968
<i>n</i> =86	4 <i>x</i> sex	Shimoda, Shizuoka Pref.	Sasamoto,1970
2 <i>n</i> =c170	4 <i>x</i>	Mitsuishiyama, Chiba Pref.*	Kurita,1967b
2 <i>n</i> =172	4 <i>x</i>	No locality given	Takei & Tanaka,1974
2 <i>n</i> =168	4 <i>x</i>	Mt.Takaosan, Tokyo Pref.; Jinmuji, Kanagawa Pref.; Onabe, Nagatsuro, & Ashikubo, Shizuoka Pref.; Akame-kyo, Mie Pref.; Kyoto City, Kyoto Pref.; Nara City, Nara Pref.; Aburayama, Fukuoka Pref.	Nakato & Serizawa,1981
2 <i>n</i> =252	6 <i>x</i>	Jinmuji, Kanagawa Pref.	Nakato & Serizawa,1981

* The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Microlepia obtusiloba</i> Hayata			
Japanese name: Koshun-shida			
2n=168	4x	Yakushima Isl., Kagoshima Pref.	Nakato,1987b
<i>Microlepia pseudo-strigosa</i> Makino			
Japanese name: Fumoto-kaguma			
n=c80	4x sex	Cultivated in Botanical Garden, Univ. of Tokyo	Mitui,1968
2n=160	4x	Izu, Shizuoka Pref.	Kurita,1963a
2n=252	6x	Jinmuji, Kanagawa Pref.; Onabe, Shizuoka Pref.	Nakato & Serizawa,1981
n=120-129	6x sex	Shimoda, Shizuoka Pref.	Sasamoto,1970
n=129	6x sex	Cultivated in Tokyo Univ. of Education	Mitui,1975
<i>Microlepia spelunca</i> (L.) T.Moore			
Japanese name: O-ishikaguma			
n=86	4x sex	Hahajima Isl., Tokyo Pref.	Mitui,1973
<i>Microlepia strigosa</i> (Thunb.) C.Presl			
Japanese name: Ishi-kaguma			
n=43, 2n=86	2x sex	Nachi, Wakayama Pref.	Kurita,1972
n=43	2x sex	Cultivated in Botanical Garden, Univ. of Tokyo	Mitui,1965
n=43	2x sex	Cultivated in Botanical Garden, Univ. of Tokyo	Mitui,1968
n=43	2x sex	Shimoda, Shizuoka Pref.	Sasamoto,1970
n=43	2x sex	Hahajima Isl., Tokyo Pref.	Mitui,1973
n=43	2x sex	Okinawajima Isl., Okinawa Pref.	Mitui,1976a
2n=84	2x	Kure City, Hiroshima Pref.	Kawakami,1979
2n=84	2x	Suzaki, Shizuoka Pref.; Owase, Mie Pref.; Nachi, Wakayama Pref.; Yakushima Isl., Kagoshima Pref.	Nakato & Serizawa,1981
<i>Microlepia substrigosa</i> Tagawa			
Japanese name: Usuba-ishikaguma			
2n=168	4x	Yakushima Isl., Kagoshima Pref.	Nakato,1987b
n=c80	4x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1968
<i>Monachosorum</i> Kunze: $x=56$; ploidy of Japanese plants = 2x, 6x			
<i>Monachosorum arakii</i> Tagawa			
Japanese name: Hime-mukago-shida			
(2n=336)	6x irr	Owase, Mie Pref.	Hirabayashi,1968
<i>Monachosorum flagellare</i> (Maxim. ex Makino) Hayata			
Japanese name: O-fuji-shida			
n=c155	6x sex	Mt.Ozakusan, Tochigi Pref.	Mitui,1967b
n=c155	6x sex	Mt.Ozakusan, Tochigi Pref.	Mitui,1968
n=168	6x sex	Nachi, Wakayama Pref.	Hirabayashi,1968
<i>Monachosorum maximowiczii</i> (Baker) Hayata			
Japanese name: Fuji-shida			
n=56-58	2x sex	Ashikaga City, Tochigi Pref.*	Kurita,1967b
n=56	2x sex	Hanno City, Saitama Pref.	Mitui,1968
n=56	2x sex	Shirayasawa, Saitama Pref.	Hirabayashi,1968
<i>Pteridium</i> Gled. ex Scop.: $x=52$; ploidy of Japanese plants = 2x			

* The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Pteridium aquilinum</i> (L.) Kuhn var. <i>latiusculum</i> (Desv.) Ueberw. ex Hell.			
Japanese name: Warabi			
$n=52, 2n=c100$	2x sex	No locality given	Takahashi,1961
$n=52$	2x sex	Asahikawa, Hokkaido Pref.; Chiba Pref.	Kurita,1963a
$n=52$	2x sex	Sado Isl., Niigata Pref.	Mitui,1968
$n=52$	2x sex	Chichijima Isl., Tokyo Pref.	Mitui,1973
$n=52$	2x sex	Iriomotejima Isl., Okinawa Pref.	Mitui,1976a

DICKSONIACEAE

***Cibotium* Kaulf.: $x=68$; ploidy of Japanese plant = 2x**

Cibotium barometz (L.) J.Sm.

Japanese name: Taka-warabi

$2n=136$	2x	Iriomotejima Isl., Okinawa Pref.	Nakato,1987b
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DIPTERIDACEAE

***Dipteris* Reinw.: $x=33$; ploidy of Japanese plant = 2x**

Dipteris conjugata Reinw.

Japanese name: Yabure-gasa-uraboshi

$2n=66$	2x	Iriomotejima, Isl., Okinawa Pref.	Nakato,1987b
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DRYOPTERIDACEAE

***Acrophorus* C. Presl: $x=41$; ploidy of Japanese plants = 2x**

Acrophorus nodosus C.Presl

Japanese name: Taiwan-himewarabi

$n=41$	2x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1967b
$n=41$	2x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1968
$n=41$	2x sex	Yakushima Isl., Kagoshima Pref.	Hirabayashi,1970b

***Arachnioides* Blume: $x=41$; ploidy of Japanese Plants = 2x, 3x, 4x**

Arachnioides amabilis (Blume) Tindale var. *amabilis*

Japanese name: Yaku-kanawarabi

$n=41$	2x sex	Yakushima Isl., Kagoshima Pref.; Okinawajima Isl., Okinawa Pref.	Shimura <i>et al.</i> ,1982
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Arachnioides amabilis (Blume) Tindale var. *fimbriata* K.Iwats.

Japanese name: Kana-warabi

$n=82$	4x sex	Cultivated in Tokyo Univ. of Education	Mitui,1966a
$n=82$	4x sex	Cultivated in Tokyo Univ. of Education	Mitui,1968

Arachnioides amabilis (Blume) Tindale var. *okinawensis* (Nakaike) Seriz.

Japanese name: Okinawa-kanawarabi

No information

Arachnioides aristata (G.Forst.) Tindale

Japanese name: Hosoba-kanawarabi

$n=41$	2x sex	Cultivated in Tokyo Univ. of Education	Mitui,1965
$n=41$	2x sex	Cultivated in Tokyo Univ. of Education	Mitui,1965

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Arachnioides assamica</i> (Kuhn) Ohwi			
Japanese name: Otoko-shida			
$n=82$	4x sex	Wakayama Pref.	Kurita,1966b
$n=c80$	4x sex	Cultivated in Botanical Garden, Univ. of Tokyo	Mitui,1968
<i>Arachnioides borealis</i> Seriz.			
Japanese name: Hosoba-naraishida			
$n=41$	2x sex	Mt.Kawanoriyama, Tokyo Pref.	Mitui,1965
$n=41$	2x sex	Mt.Kawanoriyama, Tokyo Pref.	Mitui,1968
$n=41$	2x sex	Mt.Asamayama, Nagano Pref.	Hirabayashi,1969c
<i>Arachnioides cantilenae</i> Sa.Kurata			
Japanese name: Itsuki-kanawarabi			
$n=41$	2x sex	Izumi-mura, Kumamoto Pref.	Shimura <i>et al.</i> ,1982
<i>Arachnioides cavalerii</i> (H.Christ) Ohwi			
Japanese name: Yakushima-kanawarabi			
No information			
<i>Arachnioides chinensis</i> (Rosenst.) Ching			
Japanese name: Tsuruda-kanawarabi			
$n=41, 2n=82$	2x sex	Okuchi City, Kagoshima Pref.	Shimura <i>et al.</i> ,1982
<i>Arachnioides</i> × <i>clivorum</i> Sa.Kurata			
Japanese name: Koura-kanawarabi			
($2n=82$)	2x irr	Kurume City, Fukuoka Pref.	Shimura <i>et al.</i> ,1982
<i>Arachnioides dimorphophylla</i> (Hayata) Ching			
Japanese name: Hozaki-kanawarabi			
$n=41$	2x sex	Okinawajima Isl., Okinawa Pref.	Mitui,1976a
$n=41$	2x sex	Okinawajima Isl., Okinawa Pref.	Shimura <i>et al.</i> ,1982
<i>Arachnioides hekiana</i> Sa.Kurata			
Japanese name: Shibi-kanawarabi			
$n=41$	2x sex	Mt.Shibisan, Kagoshima Pref.	Shimura <i>et al.</i> ,1982
<i>Arachnioides hiugana</i> Sa.Kurata			
Japanese name: Hyuga-kanawarabi			
No information			
<i>Arachnioides</i> × <i>ikeminensis</i> Seriz.			
Japanese name: Ikemine-naraishida			
No information			
<i>Arachnioides</i> × <i>kenzo-satakei</i> (Sa.Kurata) Sa.Kurata			
Japanese name: Kawazu-kanawarabi			
($2n=82$)	2x irr	Owase City, Mie Pref.	Shimura <i>et al.</i> ,1982
<i>Arachnioides</i> × <i>kurosawae</i> Shimura <i>et</i> Sa.Kurata			
Japanese name: Tenryu-kanawarabi			
($2n=123$)	3x irr	Shizuoka City, Shizuoka Pref.	Shimura <i>et al.</i> ,1982

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Arachnioides</i> × <i>masakii</i> Sa.Kurata			
Japanese name: Sanyo-kanawarabi			
<i>n</i> =41	2x sex?	Shinnanyo City & Mikawa-cho, Yamaguchi Pref.; Yamae-mura, Kumamoto Pref.	Shimura <i>et al.</i> ,1982
<i>Arachnioides</i> × <i>minamitanii</i> Sa.Kurata			
Japanese name: Kuruson-kanawarabi			
(2 <i>n</i> =82)	2x irr	Ebino City, Miyazaki Pref.	Shimura <i>et al.</i> ,1982
<i>Arachnioides miqueliana</i> (Maxim. ex Franch. et Sav.) Ohwi			
Japanese name: Nangoku-naraishida			
<i>n</i> =82	4x sex	Arimagawa, Saitama Pref.	Mitui,1968
<i>n</i> =82	4x sex	Shirayasawa, Saitama Pref.	Hirabayashi,1969c
<i>n</i> =c82	4x sex	Koyasan, Wakayama Pref.	Hirabayashi,1969c
<i>Arachnioides</i> × <i>mirabilis</i> Sa.Kurata			
Japanese name: Iino-kanawarabi			
No information			
<i>Arachnioides</i> × <i>mitsuyoshiana</i> Sa.Kurata			
Japanese name: Kisaragi-kanawarabi			
No information			
<i>Arachnioides nutica</i> (Franch. et Sav.) Ohwi			
Japanese name: Shinobu-kaguma			
<i>n</i> =41	2x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1967b
<i>n</i> =41	2x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1968
<i>n</i> =41	2x sex	Aokigahara, Yamanashi Pref.	Hirabayashi,1969b
<i>n</i> =41	2x sex	Mt.Toyoguchiyama, Nagano Pref.	Mitui,1970
<i>n</i> =82	4x sex	Mt.Togakushiyama, Nagano Pref.*	Kurita,1967b
<i>Arachnioides nipponica</i> (Rosenst.) Ohwi			
Japanese name: Midori-kanawarabi			
<i>n</i> =41	2x sex	Hiradani, Tokushima Pref.	Mitui,1966a
<i>n</i> =41	2x sex	Hiradani, Tokushima Pref.	Mitui,1968
<i>Arachnioides</i> × <i>pseudo-hekiana</i> Sa.Kurata			
Japanese name: Gori-kanawarabi			
(2 <i>n</i> =123)	3x irr	Mt.Shibisan, Kagoshima Pref.	Shimura <i>et al.</i> ,1982
<i>Arachnioides quadripinnata</i> (Hayata) Seriz. subsp. <i>fimbriata</i> (Koidz.) Seriz.			
Japanese name: Hiroha-naraishida			
No information			
<i>Arachnioides</i> × <i>repens</i> Sa.Kurata**			
Japanese name: Inu-tsuruda-kanawarabi			
<i>n</i> =41, (2 <i>n</i> =82)	2x sex, irr	Ashikita-machi, Kumamoto Pref.; Mt.Morofushi, Miyazaki Pref.	Shimura,1980
<i>Arachnioides</i> × <i>respiens</i> Sa.Kurata			
Japanese name: Hosoba-hakatashida			
(2 <i>n</i> =123)	3x irr	Higashiizu-machi, Shizuoka Pref.	Shimura <i>et al.</i> ,1982

* The locality name was not mentioned in the original paper.

** This taxon is not listed in Iwatsuki *et al.* (1995) and the scientific name follows Nakaike (1992).

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Arachnioides</i> × <i>sasamotoi</i> Sa.Kurata			
Japanese name: Shimoda-kanawarabi			
(2n=123)	3x irr	Shimoda City, Shizuoka Pref.	Shimura <i>et al.</i> ,1982
<i>Arachnioides simplicior</i> (Makino) Ohwi var. <i>major</i> (Tagawa) Ohwi			
Japanese name: Ori-kanawarabi			
n=82	4x sex	Shizuoka City, Shizuoka Pref.	Shimura <i>et al.</i> ,1982
<i>Arachnioides simplicior</i> (Makino) Ohwi var. <i>simplicior</i>			
Japanese name: Hakata-shida			
n=82	4x sex	Kakegawa, Shizuoka Pref.	Kurita,1966b
<i>Arachnioides sporadosora</i> (Kunze) Nakaike			
Japanese name: Koba-no-kanawarabi			
n=41	2x sex	Chiba City, Chiba Pref.	Kurita,1966b
n=41	2x sex	Owase, Mie Pref.	Hirabayashi,1970b
n=41	2x sex	Iriomotejima Isl., Okinawa Pref.	Mitui,1976a
<i>Arachnioides standishii</i> × <i>A. aristata</i>			
Japanese name: Jinmuji-kanawarabi			
No information			
<i>Arachnioides standishii</i> (T.Moore) Ohwi			
Japanese name: Ryomen-shida			
n=41	2x sex	Cultivated in Botanical Garden, Univ. of Tokyo	Mitui,1965
n=41	2x sex	Cultivated in Botanical Garden, Univ. of Tokyo	Mitui,1968
n=41	2x sex	Antaroma, Hokkaido Pref.	Hirabayashi,1970b
<i>Arachnioides</i> × <i>subamabilis</i> Sa.Kurata			
Japanese name: Yamaguchi-kanawarabi			
(2n=123)	3x irr	Yamaguchi City, Yamaguchi Pref.	Shimura <i>et al.</i> ,1982
<i>Arachnioides</i> × <i>takayamensis</i> Seriz.			
Japanese name: Takayama-naraishida			
(2n=123)	3x irr	Koyasan, Wakayama Pref.	Hirabayashi,1969c
<i>Arachnioides</i> × <i>tohtomiensis</i> Shimura n.n.*			
Japanese name: Enshu-kanawarabi			
(2n=82)	2x irr	Toyooka-mura, Shizuoka Pref.	Shimura <i>et al.</i> ,1982
<i>Arachnioides</i> × <i>tomitae</i> Sa.Kurata			
Japanese name: Tomita-kanawarabi			
No information			
<i>Arachnioides tsutsuiana</i> Sa.Kurata n.n.*			
Japanese name: Tsukushi-kanawarabi			
n=41	2x sex	Fukuoka City, Fukuoka Pref.	Shimura <i>et al.</i> ,1982
<i>Arachnioides yasui-noeui</i> Sa.Kurata			
Japanese name: Hagakure-kanawarabi			
n=82	4x sex	Okuchi City, Kagoshima Pref.	Shimura <i>et al.</i> ,1982

Ctenitis (C. Chr.) C. Chr.: $x=41$; ploidy of Japanese plants = $2x$

* This taxon is not listed in Iwatsuki *et al.* (1995) and the scientific name follows Nakaike (1992).

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Ctenitis eatonii</i> (Baker) Ching			
Japanese name: Hora-kaguma			
No information			
<i>Ctenitis iriomotensis</i> (H.Itô) Nakaike			
Japanese name: Komidake-shida			
2n=82	2x	Iriomotejima Isl., Okinawa Pref.	Nakato,1988
<i>Ctenitis lepigera</i> (Baker) Tagawa			
Japanese name: Kinmo-inode			
n=41	2x sex	Hahajima Isl., Tokyo Pref.	Mitui,1973
<i>Ctenitis maximowicziana</i> (Miq.) Ching			
Japanese name: Kiyosumi-himewarabi			
n=41	2x sex	Mt.Ogasayama & Mt.Amagi, Shizuoka Pref.	Kurita,1961
n=41	2x sex	Owase, Mie Pref.	Hirabayashi,1969b
<i>Ctenitis microlepigera</i> (Nakai) Ching			
Japanese name: Ko-kinmoinode			
No information			
<i>Ctenitis sinii</i> (Ching) Ohwi			
Japanese name: Satsuma-shida			
n=41	2x sex	Kagoshima Pref.	Kurita,1965a
n=41	2x sex	Kumamoto Pref.	Hirabayashi,1970b
<i>Ctenitis subglandulosa</i> (Hance) Ching			
Japanese name: Katsumo-inode			
n=41	2x sex	Yakushima Isl., Kagoshima Pref.	Hirabayashi,1969b
n=41	2x sex	Okinawajima Isl., Okinawa Pref.	Mitui,1976a
<i>Cyrtomium</i> C. Presl: x=41; ploidy of Japanese plants = 2x, 3x, 4x, 5x			
<i>Cyrtomium balansae</i> (H.Christ) C.Chr.			
Japanese name: Miyajima-shida			
n=41	2x sex	Cultivated in Botanical Garden, Univ. of Tokyo	Kurita,1966a
n=41	2x sex	Cultivated in Tokyo Univ. of Education	Mitui,1966a
n=41	2x sex	Cultivated in Tokyo Univ. of Education	Mitui,1968
<i>Cyrtomium caryotideum</i> (Wall. ex Hook. et Grev.) C.Presl			
Japanese name: Me-yabusotetsu			
n=123	3x apo	Ryusouzan, Shizuoka Pref.	Kurita,1966a
n=123	3x apo	Kuroyama, Saitama Pref.	Mitui,1966a
n=123	3x apo	Cultivated in Tokyo Univ. of Education	Mitui,1968
2n=123	3x apo	Utsunoya, Shizuoka Pref.	Matsumoto,1976
<i>Cyrtomium falcatum</i> (L.f.) C.Presl			
Japanese name: Oni-yabusotetsu			
n=41	2x sex	Hahajima Isl., Tokyo Pref.	Mitui,1973
n=41	2x sex	Kakudahama, Niigata Pref.	Mitui,1980
n=41	2x sex	Jogasakikaigan, Shizuoka Pref.	Matsumoto & Shimura,1985
n=123	3x apo	Cultivated in Tokyo Univ. of Education	Mitui,1968
n=123	3x apo	Kisami, Shizuoka Pref.	Matsumoto & Shimura,1985

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
$2n=123$	3x apo	Amamioshima Isl., Kagoshima Pref.	Nakaike & Matsumoto, 1990
$n=82$	4x sex	Hitoyoshi City, Kumamoto Pref.	Mitui, 1965
$n=82$	4x sex	Hitoyoshi City, Kumamoto Pref.	Mitui, 1968
$n=82$	4x sex	Sokusawa & Sekibe, Shizuoka Pref.	Shimura <i>et al.</i> , 1978
<i>Cyrtomium falcatum</i> × <i>C. caryotideum</i> *			
Japanese name: Nagaba-meyabusotetsu			
$n=c205, 2n=205$	5x apo	Sokusawa, Shizuoka Pref.	Shimura <i>et al.</i> , 1978
<i>Cyrtomium fortunei</i> J.Sm. var. <i>atropunctatum</i> (Sa.Kurata) K.Iwats.			
Japanese name: Izu-yabusotetsu			
$n=123$	3x apo	Numanokawa, Shizuoka Pref.	Matsumoto & Shimura, 1985
<i>Cyrtomium fortunei</i> J.Sm. var. <i>clivicola</i> (Makino) Tagawa			
Japanese name: Yama-yabusotetsu			
$n=123$	3x apo	Ubume, Shizuoka Pref.	Matsumoto & Shimura, 1985
<i>Cyrtomium fortunei</i> J.Sm. var. <i>fortunei</i>			
Japanese name: Yabu-sotetsu			
$n=123$	3x apo	Mt.Bukosan, Saitama Pref.**	Kurita, 1960
$n=123$	3x apo	Cultivated in Tokyo Univ. of Education	Mitui, 1968
$n=123$	3x apo	Hakone, Kanagawa Pref.	Hirabayashi, 1970b
$n=123$	3x apo	Gokahama, Niigata Pref.	Mitui, 1980
<i>Cyrtomium fortunei</i> J.Sm. var. <i>intermedium</i> Tagawa			
Japanese name: Miyako-yabusotetsu			
$n=123$	3x apo	Cultivated in Botanical Garden, Univ. of Tokyo	Mitui, 1968
$n=123$	3x apo	Kagoshima Pref.	Hirabayashi, 1970b
<i>Cyrtomium hookerianum</i> (C.Presl) C.Chr.			
Japanese name: Hosoba-yabusotetsu			
$n=41$	2x sex	Cultivated in Botanical Garden, Univ. of Tokyo	Kurita, 1966a
<i>Cyrtomium macrophyllum</i> (Makino) Tagawa var. <i>macrophyllum</i>			
Japanese name: Hiroha-yabusotetsu			
$n=123$	3x apo	Kiyosumiyama, Chiba Pref.	Kurita, 1967a
$n=123$	3x apo	Mt.Kosyosan, Fukuoka Pref.	Hirabayashi, 1970b
<i>Cyrtomium macrophyllum</i> (Makino) Tagawa var. <i>microindusium</i> (Sa.Kurata) K.Iwats.			
Japanese name: Kuma-yabusotetsu			
$n=123$	3x apo	Cultivated in Botanical Garden, Univ. of Tokyo	Kurita, 1966a
$n=123$	3x apo	Izumi-mura, Kumamoto Pref.	Matsumoto & Shimura, 1985
<i>Cyrtomium macrophyllum</i> (Makino) Tagawa var. <i>tukusicola</i> (Tagawa) Tagawa			
Japanese name: Tsukushi-yabusotetsu			
$n=123$	3x apo	Ubume, Shizuoka Pref.	Matsumoto & Shimura, 1985

* This taxon is not listed in Iwatsuki *et al.* (1995) and the scientific name follows Nakaike (1992).

** The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Dryopteris</i> Adans.: $x=41$; ploidy of Japanese plants = 2x, 3x, 4x			
<i>Dryopteris amurensis</i> (Milde) H.Christ			
Japanese name: Okuyama-shida			
$n=41$	2x sex	Oze, Gunma Pref.	Hirabayashi,1974
<i>Dryopteris anadroma</i> Mitsuta n.n.			
Japanese name: Mukashi-benishida			
No information			
<i>Dryopteris atrata</i> (Wall. ex Kunze) Ching			
Japanese name: Iwa-hego			
$n=123$	3x apo	Mt.Funakoshi, Hyogo Pref.	Mitui,1965
$n=123$	3x apo	Mt. Takaosan,Tokyo Pref.	Hirabayashi,1966
$n=123$	3x apo	Cultivated in Tokyo Univ. of Education	Mitui,1968
$n=123$	3x apo	Owase, Mie Pref.	Hirabayashi,1974
<i>Dryopteris bissetiana</i> (Baker) C.Chr.			
Japanese name: Yama-itachishida			
$n=82$	2x apo	Chofu City, Tokyo Pref.	Hirabayashi,1966
?*	2x apo	Ou, Ibaraki Pref.	Lin <i>et al.</i> ,1995
$n=123$	3x apo	Mt. Takaosan,Tokyo Pref.	Hirabayashi,1967
?*	3x apo	Shitonai-sawa, Akita Pref. ;Arayama, Kanooku, Yusa-cho & Yunisaka, Yamagata Pref. ;Mt. Todo& Geshukuchi, Fukushima Pref. ;Itako-cho, Ibaraki Pref. ;Narusawa, Kanra & Tano, Gunma Pref. ; Kochi-toge & Naguri-mura, Saitama Pref. ;Kozu, Oharano, Kochi, Togu, Yunoyama & Okukano Mie Pref. ;	Lin <i>et al.</i> ,1995
<i>Dryopteris caudipinna</i> Nakai			
Japanese name: Hachijo-benishida			
$n=41$	2x sex	Hachijojima Isl., Tokyo Pref.	Hirabayashi,1970a
<i>Dryopteris championi</i> (Benth.) C.Chr. ex Ching			
Japanese name: Saigoku-benishida			
$n=123$	3x apo	Mt. Ogasayama,Shizuoka Pref.	Kurita,1966b
$n=123$	3x apo	Owase, Mie Pref.	Hirabayashi,1967
<i>Dryopteris chinensis</i> (Baker) Koidz.			
Japanese name: Misaki-kaguma			
$n=123$	3x apo	Kikugawa & Hamaoka, Shizuoka Pref.	Kurita,1961
$n=123$	3x apo	Chichibu, Saitama Pref.	Hirabayashi,1966
$n=123$	3x apo	Futase, Saitama Pref.	Mitui,1968
$n=123$	3x apo	Chichibu, Saitama Pref.	Hirabayashi,1974
<i>Dryopteris commixta</i> Tagawa			
Japanese name: Tsukushi-iwahego			
$n=82$	4x sex	Takagoyama, Chiba Pref. **	Kurita,1967b
$n=82$	4x sex	Tokka, Shizuoka Pref.	Hirabayashi,1969a

* Chromosome number was not cited.

** The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Dryopteris coreano-montana</i> Nakai			
Japanese name: Karafuto-menma			
n=41	2x sex	Ohmachi, Nagano Pref.	Hirabayashi,1970a
<i>Dryopteris coreano-montana</i> × <i>D. monticola</i>			
Japanese name: Takane-menma			
No information			
<i>Dryopteris crassirhizoma</i> Nakai			
Japanese name: O-shida			
n=41	2x sex	Mt.Togakushiyama, Nagano Pref.	Kurita,1966b
n=41	2x sex	Karuizawa, Nagano Pref.	Hirabayashi,1966
n=41	2x sex	Sugadaira, Nagano Pref.	Mitui,1970
n=41	2x sex	Antaroma, Hokkaido Pref.	Hirabayashi,1974
<i>Dryopteris cycadina</i> (Franch. et Sav.) C.Chr.			
Japanese name: Inu-iwahego			
n=123	3x apo	Mt.Shibisan, Kagoshima Pref.	Hirabayashi,1970a
<i>Dryopteris decipiens</i> (Hook.) Kuntze			
Japanese name: Nachi-kujaku			
n=123	3x apo	Owase, Mie Pref.	Kurita,1967a
n=123	3x apo	Owase, Mie Pref.	Hirabayashi,1967
<i>Dryopteris dickinsii</i> (Franch. et Sav.) C.Chr.			
Japanese name: O-kujaku-shida			
n=82	2x apo	Kiyosumiya, Chiba Pref.	Kurita,1965a
n=82	2x apo	Cultivated in Tokyo Univ. of Education	Mitui,1965
n=82	2x apo	Cultivated in Tokyo Univ. of Education	Mitui,1968
n=82	2x apo	Gotenba, Shizuoka Pref.	Hirabayashi,1969a
<i>Dryopteris erythrosora</i> (D.C.Eaton) Kuntze			
Japanese name: Beni-shida			
n=123, 2n=123	3x apo	Kikugawa & Hamaoka, Shizuoka Pref.	Kurita,1961
n=123	3x apo	Manazurumisaki, Kanagawa Pref.	Hirabayashi,1966
n=123	3x apo	Agano, Saitama Pref.	Hirabayashi,1967
n=123	3x apo	Cultivated in Tokyo Univ. of Education	Mitui,1968
n=123	3x apo	Owase, Mie Pref.	Hirabayashi,1974
<i>Dryopteris erythrosora</i> (Eaton) Kuntze form. <i>prolifera</i> (Maxim. ex Franch. et Sav.) H.Itô*			
Japanese name: Chirimen-shida			
n=123	3x apo	Cultivated in Botanical Garden, Univ. of Tokyo	Kurita,1966b
n=123	3x apo	Cultivated in Botanical Garden, Univ. of Tokyo	Hirabayashi,1970a
<i>Dryopteris erythrosora</i> (Eaton) Kuntze form. <i>viridisora</i> (Nakai ex H.Ito) H.Itô*			
Japanese name: Midori-shida			
n=123	3x apo	Owase, Mie Pref.	Hirabayashi,1970a
<i>Dryopteris expansa</i> (C.Presl) Fraser-Jenk. et Jermy			
Japanese name: Shirane-warabi			
n=41	2x sex	Yasyajin-toge, Yamanashi Pref.	Hirabayashi,1969a
n=41	2x sex	Sugadaira, Nagano Pref.	Mitui,1970
n=41	2x sex	Azusayama, Nagano Pref.	Hirabayashi,1974

* This taxon is not listed in Iwatsuki *et al.* (1995) and the scientific name follows Nakaike (1992).

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Dryopteris formosana</i> (H.Christ) C.Chr.			
Japanese name: Takasago-shida			
<i>n</i> =123	3x apo	Mt.Ogasayama, Shizuoka Pref.*	Kurita,1967b
<i>n</i> =123	3x apo	Hamamatsu City, Shizuoka Pref.	Hirabayashi,1969a
<i>n</i> =123	3x apo	Yakushima Isl., Kagoshima Pref.	Hirabayashi,1974
2 <i>n</i> =164	4x	Yakushima Isl., Kagoshima Pref.	Nakato,1987b
<i>Dryopteris fragrans</i> (L.) Schott			
Japanese name: Nioi-shida			
<i>n</i> =41	2x sex	Sapporo City, Hokkaido Pref.	Hirabayashi,1974
<i>Dryopteris</i> × <i>fujipedis</i> Sa.Kurata			
Japanese name: Fuji-kumawarabi (2 <i>n</i> =82)			
	2x irr	Gotenba, Shizuoka Pref.	Hirabayashi,1970a
<i>Dryopteris fuscipes</i> C.Chr.			
Japanese name: Maruba-benishida			
<i>n</i> =123	3x apo	Hamaoka & Mt.Ogasayama, Shizuoka Pref.	Kurita,1961
<i>n</i> =123	3x apo	Owase, Mie Pref.	Hirabayashi,1967
<i>Dryopteris</i> × <i>gotenbaensis</i> Nakaike			
Japanese name: Ino-kumawarabi No information			
<i>Dryopteris gymnohylla</i> (Baker) C.Chr.			
Japanese name: Sakurai-kaguma			
<i>n</i> =41	2x sex	Chiba City, Chiba Pref.	Kurita,1966b
<i>n</i> =41	2x sex	Agano, Saitama Pref.	Hirabayashi,1969a
<i>Dryopteris gymnosora</i> (Makino) C.Chr. var. <i>angustata</i> H.Itô			
Japanese name: Hosoba-nukaitachishida			
<i>n</i> =123	3x apo	Yakushima Isl., Kagoshima Pref.	Hirabayashi,1974
<i>Dryopteris gymnosora</i> (Makino) C.Chr. var. <i>gymnosora</i>			
Japanese name: Nuka-itachishida			
<i>n</i> =123	3x apo	Mt.Ogasayama, Shizuoka Pref.	Kurita,1962
<i>n</i> =123	3x apo	Owase, Mie Pref.	Hirabayashi,1967
<i>n</i> =123	3x apo	Mikisato, Mie Pref.	Mitui,1968
<i>Dryopteris hadanoi</i> Sa.Kurata			
Japanese name: Nise-yogoreitachishida			
<i>n</i> =82	2x apo	Honguchi, Miyazaki Pref.	Hirabayashi,1974
<i>Dryopteris</i> × <i>haganecola</i> Sa.Kurata			
Japanese name: Hagane-iwahego No information			
<i>Dryopteris</i> × <i>hakonecola</i> Sa.Kurata			
Japanese name: Hakone-okujaku			
(2 <i>n</i> =164)	4x irr	Gotenba, Shizuoka Pref.	Hirabayashi,1969a
(2 <i>n</i> =164)	4x irr	Gotenba, Shizuoka Pref.	Kurita,1981
<i>n</i> =164	4x apo	Gotenba, Shizuoka Pref.	Kurita,1981

* The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Dryopteris handeliana</i> C.Chr.			
Japanese name: Tsukushi-o-kujaku			
n=41	2x sex	Namera, Yamaguchi Pref.	Hirabayashi,1969a
<i>Dryopteris hangchowensis</i> Ching			
Japanese name: Kirishima-iwahego			
n=41	2x sex	Mt.Kirishimayama, Miyazaki Pref.	Hirabayashi,1969a
<i>Dryopteris hasseltii</i> (Blume) C.Chr.			
Japanese name: Ryukyu-shida			
n=41	2x sex	Okinawajima Isl., Okinawa Pref.	Shimura <i>et al.</i> ,1982
<i>Dryopteris hayatae</i> Tagawa			
Japanese name: Inu-tama-shida			
n=41	2x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1966a
n=41	2x sex	Minamata City, Kumamoto Pref.	Kurita,1967a
n=41	2x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1968
n=41	2x sex	Yakushima Isl., Kagoshima Pref.	Hirabayashi,1969a
n=41	2x sex	Okinawajima Isl., Okinawa Pref.	Mitui,1976a
<i>Dryopteris hendersonii</i> (Bedd.) C.Chr.			
Japanese name: Horai-himewarabi			
n=41	2x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1967b
n=41	2x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1968
n=41	2x sex	Yakushima Isl., Kagoshima Pref.	Hirabayashi,1970a
<i>Dryopteris</i> × <i>hisatsuana</i> Sa.Kurata			
Japanese name: Hisatsu-okujaku			
(2n=82)	2x irr	Nokeeboshi, Kumamoto Pref.	Hirabayashi,1969a
<i>Dryopteris hondoensis</i> Koidz.			
Japanese name: O-benishida			
n=123	3x apo	Owase, Mie Pref.	Hirabayashi,1966
n=123	3x apo	Izu, Shizuoka Pref.	Hirabayashi,1967
n=123	3x apo	Cultivated in Botanical Garden, Univ. of Tokyo	Mitui,1967b
n=123	3x apo	Cultivated in Botanical Garden, Univ. of Tokyo	Mitui,1968
<i>Dryopteris indusiata</i> (Makino) Makino et Yamam. ex Yamam.			
Japanese name: Nukaitachishida-modoki			
n=82	2x apo	Owase, Mie Pref.	Hirabayashi,1967
n=123	3x apo	Mt.Ogasayama, Shizuoka Pref.*	Kurita,1967b
n=123	3x apo	Minamata City, Kumamoto Pref.	Hirabayashi,1970a
n=123	3x apo	Owase, Mie Pref.	Hirabayashi,1974
<i>Dryopteris insularis</i> Kodama var. <i>chichisimensis</i> (Nakai ex H.Itô) H.Itô			
Japanese name: Chichijima-benishida			
?**	3x apo	Chichijima Isl., Tokyo Pref.	Lin <i>et al.</i> ,1995
<i>Dryopteris insularis</i> Kodama var. <i>insularis</i>			
Japanese name: Munin-benishida			
?**	2x apo	Chichijima Isl., Tokyo Pref.	Lin <i>et al.</i> ,1995

* The locality name was not mentioned in the original paper.

** Chromosome number was not cited.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Dryopteris kinkiensis</i> Koidz. ex Tagawa			
Japanese name: Gifu-benishida			
$n=82$	4x sex	Owase, Mie Pref.	Hirabayashi,1967
<i>Dryopteris koizumiana</i> Tagawa			
Japanese name: Hokozaki-benishida			
$n=41$	2x sex	Amamioshima Isl., Kagoshima Pref.	Mitui,1967b
$n=41$	2x sex	Amamioshima Isl., Kagoshima Pref.	Mitui,1968
$n=41$	2x sex	Yakushima Isl., Kagoshima Pref.	Hirabayashi,1969a
<i>Dryopteris</i> × <i>kominatoensis</i> Tagawa			
Japanese name: Tanihego-modoki			
($2n=82$)	2x irr	Mikawa, Aichi Pref.	Kurita,1965a
($2n=82$)	2x irr	Ure, Aichi Pref.	Hirabayashi,1969a
($2n=82$)	2x irr	Sugadaira, Nagano Pref.	Mitui,1970
<i>Dryopteris</i> × <i>kousaii</i> Akasawa			
Japanese name: Yokogura-okujaku			
No information			
<i>Dryopteris lacera</i> (Thunb.) Kuntze			
Japanese name: Kuma-warabi			
$n=41$	2x sex	Mt.Gozenyama, Tokyo Pref.*	Kurita,1960
$n=41$	2x sex	Mt.Mitakesan, Tokyo Pref.	Hirabayashi,1966
$n=41$	2x sex	Kiyosumiyama, Chiba Pref.; Hashimoto, Kanagawa Pref.	Mitui,1967a
$n=41$	2x sex	Mitsuishiyama, Chiba Pref.	Mitui,1968
$n=41$	2x sex	Doryoson, Kanagawa Pref.	Hirabayashi,1974
<i>Dryopteris laeta</i> (Kom.) C.Chr.			
Japanese name: Iwakage-warabi			
$n=41$	2x sex	Hongo, Nagano Pref.	Hirabayashi,1970a
<i>Dryopteris humanensis</i> (H.Christ) C.Chr.			
Japanese name: Omine-iwahego			
No information			
<i>Dryopteris maximowiczii</i> (Baker) C.Chr.			
Japanese name: Nantai-shida			
$n=41$	2x sex	Nikko City, Tochigi Pref.	Kurita,1967a
$n=41$	2x sex	Jumonji-toge, Nagano Pref.	Hirabayashi,1969b
$n=41$	2x sex	Mt.Nyugasayama, Yamanashi Pref.	Mitui,1970
<i>Dryopteris</i> × <i>mayebarae</i> Tagawa			
Japanese name: Iwahego-modoki			
($2n=c164$)	4x irr	Okuchi City, Kagoshima Pref.	Kurita,1967a
($2n=164$)	4x irr	Tokka, Shizuoka Pref.	Hirabayashi,1969a
<i>Dryopteris medioxima</i> Koidz.			
Japanese name: Enshu-benishida			
$n=123$	3x apo	Shizuoka Pref.	Hirabayashi,1969a

* The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Dryopteris melanocarpa</i> Hayata*			
Japanese name: Kuromino-itachishida			
$n=123$	3x apo	Yakushima Isl., Kagoshima Pref.	Kurita,1966b
$n=123$	3x apo	Hanaze, Kagoshima Pref.	Hirabayashi,1969a
$n=123$	3x apo	Yakushima Isl., Kagoshima Pref.	Hirabayashi,1974
$n=123$	3x apo	Yakushima Isl., Kagoshima Pref.	Darnaedi & Iwatsuki,1987
<i>Dryopteris</i> × <i>mituii</i> Seriz.			
Japanese name: Ainoko-kumawarabi			
($2n=123$)	3x irr	Kiyosumiyama, Chiba Pref.; Hashimoto, Kanagawa Pref.	Mitui,1967a
($2n=123$)	3x irr	Hashimoto, Kanagawa Pref.	Mitui,1968
($2n=123$)	3x irr	Ongata, Tokyo Pref.	Hirabayashi,1969a
<i>Dryopteris monticola</i> (Makino) C.Chr.			
Japanese name: Miyama-benishida			
$n=41$	2x sex	Nikko City, Tochigi Pref.	Kurita,1965a
$n=41$	2x sex	Mt.Akagiyama, Gunma Pref.	Hirabayashi,1969a
$n=41$	2x sex	Okukinu, Tochigi Pref.	Mitui,1970
<i>Dryopteris namegatae</i> (Sa.Kurata) Sa.Kurata			
Japanese name: Kiyozumi-okujaku			
$n=123$	3x apo	Tetsuyama, Miyazaki Pref.	Hirabayashi,1970a
<i>Dryopteris nipponensis</i> Koidz.			
Japanese name: Togoku-shida			
$n=123$	3x apo	Mt.Ogasayama, Shizuoka Pref.	Kurita,1966b
$n=123$	3x apo	Owase, Mie Pref.	Hirabayashi,1967
<i>Dryopteris</i> × <i>otomasii</i> Sa.Kurata			
Japanese name: Yatake-iwahego			
($2n=164$)	4x irr	Yatake, Miyazaki Pref.	Hirabayashi,1969a
<i>Dryopteris pacifica</i> (Nakai) Tagawa			
Japanese name: O-itachishida			
$n=82, 2n=82$	2x apo	Yunoyama, Togu, Yukino, & Kiho-cho, Mie Pref.; Mt.Tamaki, Nara Pref.	Lin <i>et al.</i> ,1992
？**	2x apo	Yunoyama & Togu, Mie Pref.	Lin <i>et al.</i> ,1995
$n=123, 2n=123$	3x apo	Kouburi-toge, Saitama Pref.; Yunoyama, Ueno, Kayashima, Kouchi, Togu, Yukino, Oharano, Kozu, Udono, & Kiho-cho, Mie Pref.; Ichihara, Wakayama Pref.	Lin <i>et al.</i> ,1992
$n=123$	3x apo	Misaki, Kanagawa Pref.	Hirabayashi,1970a
？**	3x apo	Oharano, Kozu, Togu, Kochi, Yunoyama, Kiho-cho, Yukino & Sugashima, Mie Pref.	Lin <i>et al.</i> ,1995
<i>Dryopteris polita</i> Rosenst.			
Japanese name: Taito-benishida			
$n=41$	2x sex	Yakushima Isl., Kagoshima Pref.	Hirabayashi,1970a

* This taxon is not listed in Iwatsuki *et al.* (1995) and the scientific name follows Nakaike (1992).

** Chromosome number was not cited.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Dryopteris polylepis</i> (Franch. et Sav.) C.Chr.			
Japanese name: Miyama-kumawarabi			
<i>n</i> =41	2x sex	Mt.Asahi, Shizuoka Pref.; Mt. Buko, Saitama Pref.	Kurita,1961
<i>n</i> =41	2x sex	Mt.Arafuneyama, Nagano Pref.	Hirabayashi,1966
<i>n</i> =41	2x sex	Nippara, Tokyo Pref.	Mitui,1970
<i>n</i> =41	2x sex	Karuizawa, Nagano Pref.	Hirabayashi,1974
<i>Dryopteris</i> × <i>pseudo-commixta</i> Sa.Kurata			
Japanese name: Osumi-iwahego			
(2 <i>n</i> =164)	4x irr	Mt.Takakumayama, Kagoshima Pref.	Hirabayashi,1969a
<i>Dryopteris purpurella</i> Tagawa			
Japanese name: Murasaki-benishida			
<i>n</i> =123	3x apo	Minamata City, Kumamoto Pref.	Hirabayashi,1970a
<i>n</i> =c164	4x apo	Kagoshima Pref.	Kurita,1966b
<i>Dryopteris pycnopteroides</i> (H.Christ) C.Chr.			
Japanese name: Wakana-shida			
<i>n</i> =82	2x apo	Mt.Kirishimayama, Miyazaki Pref.	Hirabayashi,1969a
<i>Dryopteris</i> × <i>rarissima</i> Sa.Kurata			
Japanese name: Mezurashi-kumawarabi			
(2 <i>n</i> =164)	4x irr	Tsuruda, Kagoshima Pref.	Hirabayashi,1970a
<i>Dryopteris ryo-itoana</i> Sa.Kurata			
Japanese name: Owase-benishida			
<i>n</i> =123	3x apo	Kinkasan, Gifu Pref.	Hirabayashi,1969a
<i>Dryopteris sabaiei</i> (Franch. et Sav.) C.Chr.			
Japanese name: Miyama-itachi-shida			
<i>n</i> =41, 2 <i>n</i> =82	2x sex	Gotenba, Shizuoka Pref.	Kurita,1962
<i>n</i> =41, 2 <i>n</i> =82	2x sex	Yakushima Isl., Kagoshima Pref.	Darnaedi & Iwatsuki,1987
<i>n</i> =41	2x sex	Koyasan, Wakayama Pref.	Hirabayashi,1966
<i>n</i> =41	2x sex	Mt.Ozakusan, Tochigi Pref.	Mitui,1968
<i>n</i> =41	2x sex	Yakushima Isl., Kagoshima Pref.	Hirabayashi,1974
<i>n</i> =41	2x sex	Yakushima Isl., Kagoshima Pref.	Darnaedi & Iwatsuki,1987
<i>Dryopteris sabaiei</i> × <i>D. sparsa</i> var. <i>ryukyuensis</i>*			
Japanese name: ?			
(2 <i>n</i> =123)	3x irr	Yakushima Isl., Kagoshima Pref.	Darnaedi <i>et al.</i> ,1989
<i>Dryopteris sabaiei</i> × <i>D. sparsa</i> var. <i>sparsa</i>*			
Japanese name: ?			
(2 <i>n</i> =123)	3x irr	Yakushima Isl., Kagoshima Pref.	Darnaedi <i>et al.</i> ,1989
<i>Dryopteris sacrosancta</i> Koidz.			
Japanese name: Hime-itachishida			
?**	2x apo	Yunoyama & Togu, Mie Pref.	Lin <i>et al.</i> ,1995
<i>n</i> =123	3x apo	Hitoyoshi City, Kumamoto Pref.	Mitui,1965
<i>n</i> =123	3x apo	Hitoyoshi City, Kumamoto Pref.	Mitui,1968
<i>n</i> =123	3x apo	Owase, Mie Pref.	Hirabayashi,1969a

* This taxon is not listed in Iwatsuki *et al.* (1995) and the scientific name follows Darnaedi *et al.* (1989).

** Chromosome number was not cited.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
?*	3x apo	Mt.Hakuundake & Narusawa, Gunma Pref.; Tokigawa & Koburi-toge, Saitama Pref.; Kochi, Oharano, Kozu, Yukino & Hadasu, Mie Pref.	Lin <i>et al.</i> ,1995
<i>Dryopteris × satsumana</i> Sa.Kurata			
Japanese name: Nangoku-okujaku			
(2n=164)	4x irr	Tetsuyama, Miyazaki Pref.	Hirabayashi,1970a
<i>Dryopteris saxifraga</i> H.Itô			
Japanese name: Iwa-itachishida			
n=41	2x sex	Shirayasawa, Saitama Pref.	Hirabayashi,1967
n=41	2x sex	Shirayasawa, Saitama Pref.	Mitui,1975
?*	2x sex	Akita Pref.; Eta, Fukushima Pref.; Yusenkyo, Yamagata Pref.; Shimonita, Gunma Pref.; Nagurimura, Saitama Pref.; Uchiyamakyo, Nagano Pref.	Lin <i>et al.</i> ,1995
<i>Dryopteris scottii</i> (Bedd.) Ching			
Japanese name: Taiwan-kujaku			
No information			
<i>Dryopteris shibipedis</i> Sa.Kurata			
Japanese name: Shibi-itachishida			
n=164	4x apo	Mt.Shibisan, Kagoshima Pref.	Hirabayashi,1974
<i>Dryopteris × shibisanensis</i> Sa.Kurata			
Japanese name: Shibi-iwahego			
No information			
<i>Dryopteris shikokiana</i> (Makino) C.Chr.			
Japanese name: Honokawa-shida			
n=41	2x sex	Owase, Mie Pref.	Hirabayashi,1970a
<i>Dryopteris shiroumensis</i> Sa.Kurata et T.Nakam.			
Japanese name: Shirouma-itachishida			
No information			
<i>Dryopteris sieboldii</i> (Van Houtte ex Mett.) Kuntze			
Japanese name: Nagasaki-shida			
n=82	4x sex	Cultivated in Botanical Garden, Univ. of Tokyo	Kurita,1962
n=82	4x sex	Mt.Shibisan, Kagoshima Pref.	Mitui,1968
n=82	4x sex	Mitsuishiyama, Chiba Pref.; Tsuruta, Kagoshima Pref.**	Hirabayashi,1969a
<i>Dryopteris simasakii</i> (H.Itô) Sa.Kurata var. <i>paleacea</i> (H.Itô) Sa.Kurata			
Japanese name: Atsugi-no-nukaitachishidamagai			
n=123	3x apo	Inuyama, Aichi Pref.	Hirabayashi,1969a
<i>Dryopteris simasakii</i> (H.Itô) Sa.Kurata var. <i>simasakii</i>			
Japanese name: Nukaitachishida-magai			
n=123	3x apo	Hongusan, Aichi Pref.	Hirabayashi,1970a

* Chromosome number was not cited.

** The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Dryopteris sordidipes</i> Tagawa			
Japanese name: Yogore-itachishida			
n=41	2x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1967b
n=41	2x sex	Amamiyoshima Isl., Kagoshima Pref.	Mitui,1968
n=41	2x sex	Yakushima Isl., Kagoshima Pref.	Hirabayashi,1969a
n=41	2x sex	Yakushima Isl., Kagoshima Pref.	Hirabayashi,1974
<i>Dryopteris sparsa</i> (Buch.-Ham. ex D.Don) Kuntze var. <i>ryukyuensis</i> Seriz.			
Japanese name: Ryukyu-itachishida			
No information			
<i>Dryopteris sparsa</i> (Buch.-Ham. ex D.Don) Kuntze var. <i>sparsa</i>			
Japanese name: Nagaba-no-itachishida			
n=82, 2n=82	2x apo	Yakushima Isl., Kagoshima Pref.	Darnaedi <i>et al.</i> ,1989
n=123, 2n=123	3x apo	Yakushima Isl., Kagoshima Pref.	Darnaedi & Iwatsuki,1987
n=123, 2n=123	3x apo	Owase, Mie Pref.	Darnaedi <i>et al.</i> ,1989
n=123	3x apo	Owase, Mie Pref.	Hirabayashi,1974
n=123	3x apo	Yakushima Isl., Kagoshima Pref.	Darnaedi & Iwatsuki,1987
n=123	3x apo	Yakushima Isl., Kagoshima Pref.	Darnaedi <i>et al.</i> ,1989
2n=123	3x apo	Yakushima Isl., Kagoshima Pref.	Darnaedi <i>et al.</i> ,1989
n=82, 2n=164	4x sex	Yakushima Isl., Kagoshima Pref.	Darnaedi & Iwatsuki,1987
n=82, 2n=164	4x sex	Yakushima Isl., Kagoshima Pref.	Darnaedi <i>et al.</i> ,1989
n=82	4x sex	Mt.Ogasayama, Shizuoka Pref.	Kurita,1966b
n=82	4x sex	Owase, Mie Pref.	Hirabayashi,1966
n=82	4x sex	Owase, Mie Pref.	Hirabayashi,1974
n=82	4x sex	Yakushima Isl., Kagoshima Pref.	Darnaedi & Iwatsuki,1987
n=82	4x sex	Yakushima Isl., Kagoshima Pref.; Iriomotejima Isl., Okinawa Pref.	Darnaedi <i>et al.</i> ,1989
2n=164	4x sex	Yakushima Isl., Kagoshima Pref.	Darnaedi & Iwatsuki,1987
2n=164	4x sex	Yakushima Isl., Kagoshima Pref.	Darnaedi <i>et al.</i> ,1989
<i>Dryopteris</i> × <i>sugino-takaoui</i> Sa.Kurata			
Japanese name: Suruga-kumawarabi			
No information			
<i>Dryopteris</i> × <i>tetsu-yamanakae</i> Sa.Kurata			
Japanese name: Yamanaka-shida			
No information			
<i>Dryopteris</i> × <i>tokudai</i> Sugim.			
Japanese name: Kuma-oshida			
No information			
<i>Dryopteris tokyoensis</i> (Matsum. ex Makino) C.Chr.			
Japanese name: Tani-hego			
n=41	2x sex	Mt.Bandai, Fukushima Pref.	Kurita,1961
n=41	2x sex	Cultivated in Tokyo Univ. of Education	Mitui,1968
n=41	2x sex	Nobeyama, Nagano Pref.	Hirabayashi,1969a

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Dryopteris × tonensis</i> Sa.Kurata n.n.			
Japanese name: Hotaka-warabi			
No information			
<i>Dryopteris toyamae</i> Tagawa			
Japanese name: Nagasakishida-modoki			
(2n=c123)	3x irr	Kurobaruyama, Kumamoto Pref.	Kurita,1965a
(2n=c123)	3x irr	Mitsuishiyama, Chiba Pref.	Kurita,1967a
(2n=123)	3x irr	Cultivated in Botanical Garden, Univ. of Tokyo	Mitui,1968
(2n=123)	3x irr	Kurobaruyama, Kumamoto Pref.	Hirabayashi,1970a
<i>Dryopteris tsugitvoi</i> Sa.Kurata			
Japanese name: Maruba-nukaitachishidamodoki			
n=123	3x apo	Kera, Kochi Pref.	Hirabayashi,1974
<i>Dryopteris tsutsuiana</i> Sa.Kurata			
Japanese name: Tsutsui-iwahego			
n=123	3x apo	Inugatake, Fukuoka Pref.	Hirabayashi,1974
<i>Dryopteris uniformis</i> (Makino) Makino			
Japanese name: O-kumawarabi			
n=82	4x sex	Chiba City, Chiba Pref.; Kikugawa, Shizuoka Pref.	Kurita,1962
n=82	4x sex	Mt.Takaosan, Tokyo Pref.; Nojiriko, Nagano Pref.	Hirabayashi,1966
n=82	4x sex	Kiyosumiyama, Chiba Pref.; Hashimoto, Kanagawa Pref.	Mitui,1967a
n=82	4x sex	Cultivated in Tokyo Univ. of Education	Mitui,1968
n=82	4x sex	Agano, Saitama Pref.	Hirabayashi,1974
<i>Dryopteris uniformis</i> (Makino) Makino monstr. <i>crispata</i> (Ogata) Nakaike*			
Japanese name: Shushi-o-kumawarabi			
n=82	4x sex	Cultivated in Botanical Garden, Univ. of Tokyo	Hirabayashi,1970a
<i>Dryopteris varia</i> (L.) Kuntze			
Japanese name: Nankai-itachishida			
n=82	2x apo	Nachi, Wakayama Pref.	Hirabayashi,1966
n=82	2x apo	Owase, Mie Pref.	Hirabayashi,1967
n=82	2x apo	Owase, Mie Pref.	Hirabayashi,1974
?**	2x apo	Yukino, Mie Pref.	Lin <i>et al.</i> ,1995
n=123	3x apo	Cultivated in Tokyo Univ. of Education	Mitui,1966a
n=123	3x apo	Cultivated in Tokyo Univ. of Education	Mitui,1968
n=123	3x apo	Odawara City, Kanagawa Pref.	Hirabayashi,1970a
?**	3x apo	Owase, Oharano, Kochi, Togu & Shingu, Mie Pref.; Taichi, Wakayama Pref.	Lin <i>et al.</i> ,1995
<i>Dryopteris × wakui</i> Sa.Kurata n.n.			
Japanese name: Michinoku-kumawarabi			
No information			
<i>Dryopteris wallichiana</i> (Spreng.) Hyl.			
Japanese name: O-yaguruma-shida			
No information			

* This taxon is not listed in Iwatsuki *et al.* (1995) and the scientific name follows Nakaike (1992).

** Chromosome number was not cited.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Dryopteris</i> × <i>watanabei</i> Sa.Kurata			
Japanese name: Fuji-oshida (2n=123)	3x irr	Gotenba, Shizuoka Pref.	Hirabayashi,1970a
<i>Dryopteris yakusilvicola</i> Sa.Kurata			
Japanese name: Kosugi-itachishida n=123, 2n=123	3x apo	Yakushima Isl., Kagoshima Pref.	Darnaedi & Iwatsuki,1987
n=123	3x apo	Yakushima Isl., Kagoshima Pref.	Hirabayashi,1969a
n=123	3x apo	Yakushima Isl., Kagoshima Pref.	Hirabayashi,1974
n=123	3x apo	Yakushima Isl., Kagoshima Pref.	Darnaedi & Iwatsuki,1987
<i>Dryopteris</i> × <i>yamashitae</i> Sa.Kurata			
Japanese name: Ai-inutamashida (2n=123)	3x irr	Tano, Miyazaki Pref.	Hirabayashi,1970a
<i>Dryopteris</i> × <i>yasuhikoana</i> Sa.Kurata n.n.			
Japanese name: Inoue-shida No information			
<i>Dryopteris</i> × <i>yuyamae</i> Sa.Kurata			
Japanese name: Inu-wakanashida (2n=164)	4x irr	Mt.Kirishimayama, Miyazaki Pref.	Hirabayashi,1974
<i>Hemigramma</i> H. Christ: $\chi=40$ (non-Japanese species); ploidy of Japanese plant = 4x			
<i>Hemigramma decurrens</i> (Hook.) Copel.			
Japanese name: Haruran-shida n=c80	4x sex	Ishigakijima Isl., Okinawa Pref.	Mitui,1976a
<i>Polystichum</i> Roth: $\chi=41$; ploidy of Japanese plants = 2x, 3x, 4x			
<i>Polystichum</i> × <i>amboversum</i> Sa.Kurata			
Japanese name: Ai-tsuyanashi-inode (2n=123)	3x irr	Okukinu, Tochigi Pref.	Daigobo,1974
<i>Polystichum</i> × <i>anceps</i> Sa.Kurata			
Japanese name: Doryo-inode No information			
<i>Polystichum bramii</i> (Spenn.) Fée			
Japanese name: Hoso-inode n=82	4x sex	Mt.Nyugasayama, Yamanashi Pref.	Mitui,1970
n=82	4x sex	Okukinu, Tochigi Pref.	Daigobo,1973
<i>Polystichum bramii</i> × <i>P. retroso-paleaceum</i>			
Japanese name: Okukinu-inode No information			
<i>Polystichum craspedosorum</i> (Maxim.) Diels			
Japanese name: Tsuru-denda n=40	2x	Hikawa, Tokyo Pref.	Yamasaki,1954
n=41	2x sex	Futase, Saitama Pref.	Mitui,1966a

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>n</i> =41	2x sex	Mitsuishiyama, Chiba Pref.*	Kurita,1967b
<i>Polystichum deltodon</i> (Baker) Diels			
Japanese name: Tachi-denda			
<i>n</i> =82	4x sex	Kuma-mura, Kumamoto Pref.	Shimura & Ooishi,1980
<i>Polystichum exiniium</i> (Mett. ex Kuhn) C.Chr.			
Japanese name: Komochi-inode			
<i>n</i> =41	2x sex	Yakushima Isl., Kagoshima Pref.	Kurita,1965a
<i>n</i> =41	2x sex	Yakushima Isl., Kagoshima Pref.	Daigobo,1973
<i>n</i> =41	2x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1986
<i>Polystichum fibrilloso-paleaceum</i> (Kodama) Tagawa var. <i>fibrilloso-paleaceum</i>			
Japanese name: Asuka-inode			
<i>n</i> =41	2x sex	Toke, Chiba Pref.*	Kurita,1966a
<i>n</i> =41	2x sex	Jinmuji, Kanagawa Pref.	Mitui,1966a
<i>n</i> =41	2x sex	Jinmuji, Kanagawa Pref.	Mitui,1968
<i>n</i> =41	2x sex	Taura, Kanagawa Pref.	Daigobo,1973
2 <i>n</i> =c80	2x sex	Jinmuji, Kanagawa Pref.	Yamamoto <i>et al.</i> ,1978
<i>Polystichum fibrilloso-paleaceum</i> (Kodama) Tagawa var. <i>marginale</i> Seriz.			
Japanese name: Suruga-inode			
<i>n</i> =41	2x sex	Suyama, Shizuoka Pref.	Daigobo,1973
<i>n</i> =41	2x sex	Susono City, Shizuoka Pref.	Shimura & Ooishi,1980
<i>Polystichum formosanum</i> Rosenst.			
Japanese name: O-mimigata-shida			
<i>n</i> =41	2x sex	Iriomotejima Isl., Okinawa Pref.	Mitui,1976a
<i>n</i> =41	2x sex	Iriomotejima Isl., Okinawa Pref.	Shimura & Ooishi,1980
<i>Polystichum</i> × <i>fujimontanum</i> Sa.Kurata n.n.			
Japanese name: Yuyama-inode			
No information			
<i>Polystichum</i> × <i>fujisanense</i> Seriz.			
Japanese name: Ai-hosoinode			
No information			
<i>Polystichum</i> × <i>gosakui</i> Sa.Kurata n.n.			
Japanese name: Gosaku-inode			
(2 <i>n</i> =82)	2x irr	Gotenba City, Shizuoka Pref.	Shimura & Ooishi,1980
<i>Polystichum gracilipes</i> C.Chr. var. <i>gemmiferum</i> Tagawa			
Japanese name: Senjo-denda			
No information			
<i>Polystichum</i> × <i>hakonense</i> Sa.Kurata			
Japanese name: Hakone-inode			
(2 <i>n</i> =164)	4x irr	Hakone, Kanagawa Pref.	Daigobo,1974
<i>Polystichum hancockii</i> (Hance) Diels			
Japanese name: Taiwan-jumonjishida			

* The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>n</i> =41	2x sex	Amamioshima Isl., Kagoshima Pref.	Mitui,1967b
<i>n</i> =41	2x sex	Amamioshima Isl., Kagoshima Pref.	Mitui,1968
<i>n</i> =41	2x sex	Okinawajima Isl., Okinawa Pref.	Mitui,1976a
<i>Polystichum</i> × <i>hatajukuense</i> Sa.Kurata n.n.			
Japanese name: Hatajuku-inode			
No information			
<i>Polystichum</i> × <i>hitoyoshiense</i> Sa.Kurata			
Japanese name: Hitoyoshi-inode			
(2 <i>n</i> =123)	3x irr	Hitoyoshi City, Kumamoto Pref.	Daigobo,1974
<i>Polystichum</i> × <i>hokurikuense</i> Sa.Kurata			
Japanese name: Hokuriku-inode			
(2 <i>n</i> =123)	3x irr	Gotenba, Sizuoka Pref.	Daigobo,1974
(2 <i>n</i> =ca120)	3x irr	Yahikojinja, Niigata Pref.	Mitui,1974
<i>Polystichum</i> <i>igaense</i> Tagawa			
Japanese name: Chabo-inode			
<i>n</i> =41	2x sex	Mt.Ozakusan, Tochigi Pref.	Mitui,1965
<i>n</i> =41	2x sex	Cultivated in Tokyo Univ. of Education	Mitui,1968
<i>Polystichum</i> × <i>iidanum</i> Sa.Kurata			
Japanese name: Ai-katainode			
No information			
<i>Polystichum</i> × <i>inadae</i> Sa.Kurata			
Japanese name: Funakoshi-inode			
(2 <i>n</i> =123)	3x irr	Takefu, Fukui Pref.	Daigobo,1974
<i>Polystichum</i> <i>inaense</i> (Tagawa) Tagawa			
Japanese name: Ina-denda			
<i>n</i> =41	2x sex	Mt.Toyoguchiyama, Nagano Pref.	Mitui,1970
<i>Polystichum</i> × <i>izuense</i> Sa.Kurata			
Japanese name: Kata-inodemodoki			
(2 <i>n</i> =164)	4x irr	Mitsuishiyama, Chiba Pref.	Daigobo,1974
<i>Polystichum</i> × <i>jitaroi</i> Sa.Kurata			
Japanese name: Jitaro-inode			
(2 <i>n</i> =123)	3x irr	Kiyosumiyama, Chiba Pref.	Daigobo,1974
<i>Polystichum</i> × <i>kai-montanum</i> Seriz.			
Japanese name: O-toyoguchi-inode			
No information			
<i>Polystichum</i> × <i>kasayamense</i> Sa.Kurata			
Japanese name: Kasayama-inode			
No information			
<i>Polystichum</i> <i>kiusiense</i> Tagawa			
Japanese name: Kyushu-inode			
<i>n</i> =82	2x apo	Cultivated in Botanical Garden, Univ. of Tokyo*	Kurita,1966a

* The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Polystichum × kiyozumianum</i> Sa.Kurata			
Japanese name: Kiyozumi-inode			
(2n=164)	4x irr	Kiyosumiyama, Chiba Pref.	Daigobo,1974
<i>Polystichum × kumamotoanum</i> Sa.Kurata			
Japanese name: Danto-inode			
(2n=123)	3x irr	Tetsuyama, Miyazaki Pref.	Daigobo,1974
<i>Polystichum × kunioi</i> Sa.Kurata			
Japanese name: Kata-hosoinode			
(2n=164)	4x irr	Kasayama, Yamaguchi Pref.	Daigobo,1974
<i>Polystichum × kuratae</i> Seriz.			
Japanese name: Suo-inode			
No information			
<i>Polystichum × kurokawae</i> Tagawa			
Japanese name: Akame-inode			
(2n=164)	4x irr	Mt.Takaosan, Tokyo Pref.	Daigobo,1974
<i>Polystichum lachenense</i> (Hook.) Bedd.			
Japanese name: Takane-shida			
No information			
<i>Polystichum lepidocaulon</i> (Hook.) J.Sm. var. <i>appendiculatum</i> Nakai			
Japanese name: Kiyozumi-orizurushida			
No information			
<i>Polystichum lepidocaulon</i> (Hook.) J.Sm. var. <i>lepidocaulon</i>			
Japanese name: Orizuru-shida			
n=41	2x sex	Mitsuishiyama, Chiba Pref.	Mitui,1967b
n=41	2x sex	Kiyosumiyama, Chiba Pref.	Mitui,1968
n=41	2x sex	Kiyosumiyama, Chiba Pref.	Hirabayashi,1969b
n=41	2x sex	Nokogiriyama, Chiba Pref.	Kurita,1976
<i>Polystichum lonchitis</i> (L.) Roth			
Japanese name: Hiiragi-denda			
No information			
<i>Polystichum longifrons</i> Sa.Kurata			
Japanese name: Ai-asukainode			
n=82	4x sex	Hashimoto, Kanagawa Pref.	Mitui,1967b
n=82	4x sex	Itsukaichi, Tokyo Pref.	Mitui,1968
n=82	4x sex	Yahiko-jinja, Niigata Pref.	Mitui,1974
<i>Polystichum makinoi</i> (Tagawa) Tagawa			
Japanese name: Kata-inode			
n=82	4x sex	Mitsuishiyama, Chiba Pref.*	Kurita,1966a
n=c80	4x sex	Kiyosumiyama, Chiba Pref.	Mitui,1968
<i>Polystichum × mashikoi</i> Sa.Kurata			
Japanese name: Amagi-inode			
(2n=164)	4x irr	Amagi, Shizuoka Pref.	Daigobo,1974

* The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Polystichum microchlammys</i> (H.Christ) Matsum. var. <i>azumiensis</i> Seriz.			
Japanese name: Azumi-inode <i>n</i> =82	4x sex	Mt.Myoko, Niigata Pref.	Daigobo,1973
<i>Polystichum microchlammys</i> (H.Christ) Matsum. var. <i>microchlammys</i>			
Japanese name: Karakusa-inode <i>n</i> =41	2x sex	Mt.Myoko, Niigata Pref.	Mitui,1976b
(2 <i>n</i> =123)	3x irr	Mt.Ninohijidake, Niigata Pref.	Mitui,1975
<i>Polystichum</i> × <i>microlepis</i> Sa.Kurata			
Japanese name: Sakage-katainode No information			
<i>Polystichum</i> × <i>midoriense</i> T.Oka et Ohtani			
Japanese name: Midori-inode No information			
<i>Polystichum</i> × <i>minamitanii</i> Sa.Kurata ex Seriz.			
Japanese name: Kata-nanpi-inode No information			
<i>Polystichum</i> × <i>miuranum</i> Sa.Kurata			
Japanese name: Miura-inode (2 <i>n</i> =123)	3x irr	Jinmuji, Kanagawa Pref.	Mitui,1968
(2 <i>n</i> =123)	3x irr	Taura, Kanagawa Pref.	Daigobo,1974
2 <i>n</i> =c120	3x irr	Jinmuji, Kanagawa Pref.	Yamamoto <i>et al.</i> ,1978
<i>Polystichum</i> × <i>namegatae</i> Sa.Kurata			
Japanese name: Mitsuishi-inode (2 <i>n</i> =164)	4x irr	Mitsuishiyama, Chiba Pref.	Daigobo,1974
<i>Polystichum neo-lobatum</i> Nakai			
Japanese name: Yasha-inode <i>n</i> =123	3x apo	Toyamagawa, Nagano Pref.	Daigobo,1973
<i>Polystichum obai</i> Tagawa			
Japanese name: Amami-denda <i>n</i> =41	2x sex	Amamioshima Isl., Kagoshima Pref.	Kurita,1967a
<i>n</i> =41	2x sex	Cultivated in Botanical Garden, Univ. of Tokyo	Hirabayashi,1969b
<i>n</i> =41	2x sex	Amamioshima Isl., Kagoshima Pref.	Daigobo,1973
<i>Polystichum ohmurae</i> Sa.Kurata var. <i>fujipedis</i> Nameg. et Sa.Kurata			
Japanese name: Fuji-inode <i>n</i> =41	2x sex	Misakubo-cho, Shizuoka Pref.	Shimura & Ohishi,1980
<i>Polystichum ohmurae</i> Sa.Kurata var. <i>ohmurae</i>			
Japanese name: Toyoguchi-inode <i>n</i> =41	2x sex	Mt.Fuji, Yamanashi Pref.	Daigobo,1973
<i>Polystichum ohmurae</i> × <i>P. ovato-paleaceum</i>			
Japanese name: Ikawa-inode No information			
<i>Polystichum</i> × <i>ohtanii</i> Sa.Kurata			
Japanese name: Otani-inode			

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
(2n=123)	3x irr	Jinmuji, Kanagawa Pref.	Mitui,1968
(2n=123)	3x irr	Taura, Kanagawa Pref.	Daigobo,1974
<i>Polystichum</i> × <i>okanum</i> Sa.Kurata			
Japanese name: Namera-inode			
No information			
<i>Polystichum</i> × <i>ongataense</i> Sa.Kurata			
Japanese name: Ongata-inode			
(2n=164)	4x irr	Tsuchiyosawa, Tokyo Pref.	Daigobo,1974
<i>Polystichum otomasui</i> Sa.Kurata			
Japanese name: Nanpi-inode			
n=41	2x sex	Danto, Kumamoto Pref.; Tetsuyama, Miyazaki Pref.	Daigobo,1973
<i>Polystichum ovato-paleaceum</i> (Kodama) Sa.Kurata var. <i>coraiense</i> (H.Christ) Sa.Kurata			
Japanese name: Iwashiro-inode			
n=82	4x sex	Okukinu, Tochigi Pref.; Chichibu, Saitama Pref.	Daigobo,1973
<i>Polystichum ovato-paleaceum</i> (Kodama) Sa.Kurata var. <i>myokoense</i> Sa.Kurata			
Japanese name: Myoko-inode			
No information			
<i>Polystichum ovato-paleaceum</i> (Kodama) Sa.Kurata var. <i>ovato-paleaceum</i>			
Japanese name: Tsuyanashi-inode			
(2n=123)	3x irr	Hanno City, Saitama Pref.	Mitui,1968
n=82	4x sex	Mt.Gozenyama, Tokyo Pref.*	Kurita,1966a
n=82	4x sex	Hanno City, Saitama Pref.	Mitui,1968
n=82	4x sex	Komakino, Tokyo Pref.	Daigobo,1973
<i>Polystichum ovato-paleaceum</i> var. <i>coraiense</i> × <i>P. retroso-paleaceum</i>			
Japanese name: Sakage-iwashiro-inode			
No information			
<i>Polystichum piceopaleaceum</i> Tagawa			
Japanese name: Sakurajima-inode			
No information			
<i>Polystichum polyblepharum</i> (Roem. ex Kunze) C.Presl var. <i>polyblepharum</i>			
Japanese name: Inode			
n=82	4x sex	Mitsuishiyama, Chiba Pref.*	Kurita,1966a
n=82	4x sex	Mitsuishiyama, Chiba Pref.	Mitui,1966a
n=82	4x sex	Mitsuishiyama, Chiba Pref.	Mitui,1968
n=82	4x sex	Hakone, Kanagawa Pref.	Hirabayashi,1969b
n=82	4x sex	Taura, Kanagawa Pref.	Daigobo,1973
<i>Polystichum polyblepharum</i> (Roem. ex Kunze) C.Presl var. <i>scabiosum</i> Sa.Kurata			
Japanese name: Kazusa-inode			
n=82	4x sex	Mitsuishiyama, Chiba Pref.	Daigobo,1973
2n=c160	4x sex	Jinmuji, Kanagawa Pref.	Yamamoto <i>et al.</i> ,1978
<i>Polystichum pseudo-makinoi</i> Tagawa			
Japanese name: Saigoku-inode			

* The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
$n=c80$	4x sex	Mitsuishiyama, Chiba Pref.	Mitui,1967b
$n=c80$	4x sex	Kiyosumiyama, Chiba Pref.	Mitui,1968
$n=82$	4x sex	Shizuoka City, Shizuoka Pref.	Shimura & Ooishi,1980
<i>Polystichum × pseudo-ovato-paleaceum</i> Asakawa			
Japanese name: Tsuyanashi-inodemodoki			
No information			
<i>Polystichum retroso-paleaceum</i> (Kodama) Tagawa			
Japanese name: Sakage-inode			
$n=41$	2x sex	Mt.Togakushiyama, Nagano Pref.*	Kurita,1966a
$n=41$	2x sex	Hanno City, Saitama Pref.	Mitui,1968
$n=41$	2x sex	Okukinu, Tochigi Pref.	Daigobo,1973
$n=41$	2x sex	Yahiko-jinja, Niigata Pref.	Mitui,1974
<i>Polystichum rigens</i> Tagawa			
Japanese name: Oni-inode			
$n=123$	3x apo	Mt.Takaosan, Tokyo Pref.	Daigobo,1973
<i>Polystichum × sarukureuse</i> Seriz.			
Japanese name: Azumi-hosoinode			
No information			
<i>Polystichum shimurae</i> Sa.Kurata ex Seriz.			
Japanese name: Shimura-inode			
$n=82$	4x sex	Itsukaichi, Tokyo Pref.; Gotenba City, Shizuoka Pref.	Daigobo,1973
<i>Polystichum × shin-tashiroyi</i> Sa.Kurata			
Japanese name: Shirouma-inode			
$(2n=123)$	3x irr	Mt.Myoko, Niigata Pref.	Daigobo,1974
<i>Polystichum × suginoi</i> Sa.Kurata			
Japanese name: O-inodemodoki			
$(2n=123)$	3x irr	Hitoyoshi City, Kumamoto Pref.	Daigobo,1974
<i>Polystichum × suyamanum</i> Sa.Kurata ex Seriz.			
Japanese name: Suyama-inode			
$(2n=c123)$	3x irr	Susono City, Shizuoka Pref.	Shimura & Ooishi,1980
<i>Polystichum tagawanum</i> Sa.Kurata var. <i>atrosquamatum</i> Sa.Kurata			
Japanese name: Netsuko-inode			
$n=82$	4x sex	Gotenba City, Shizuoka Pref.	Shimura & Ooishi,1980
<i>Polystichum tagawanum</i> Sa.Kurata var. <i>tagawanum</i>			
Japanese name: Inode-modoki			
$n=82$	4x sex	Mitsuishiyama, Chiba Pref.*	Kurita,1966a
$n=82$	4x sex	Hanno City, Saitama Pref.	Mitui,1968
<i>Polystichum × takaosanense</i> Sa.Kurata			
Japanese name: Takao-inode			
No information			

* The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Polystichum × tetsuyamense</i> Sa.Kurata			
Japanese name: Tetsuyama-inode			
No information			
<i>Polystichum × titibuense</i> Sa.Kurata			
Japanese name: Chichibu-inode			
No information			
<i>Polystichum × tokyoense</i> Sa.Kurata ex Seriz.			
Japanese name: Tokyo-inode			
No information			
<i>Polystichum tripterum</i> (Kunze) C.Presl var. <i>simplicissimum</i> Tagawa			
Japanese name: Hitotsuba-jumonjishida			
n=41	2x sex	Cultivated in Botanical Garden, Univ. of Tokyo	Mitui,1968
<i>Polystichum tripterum</i> (Kunze) C.Presl var. <i>tripterum</i>			
Japanese name: Jumonji-shida			
n=41	2x sex	Mt.Ogasayama & Mt.Amagi, Shizuoka Pref.	Kurita,1962
n=41	2x sex	Jinmuji, Kanagawa Pref.	Mitui,1968
n=41	2x sex	Hakone, Kanagawa Pref.	Hirabayashi,1969b
<i>Polystichum tsus-simense</i> (Hook.) J.Sm. var. <i>mayebarae</i> (Tagawa) Sa.Kurata			
Japanese name: O-kiyozumishida			
n=123	3x apo	Yugawara, Kanagawa Pref.	Daigobo,1973
<i>Polystichum tsus-simense</i> (Hook.) J.Sm. var. <i>tsus-simense</i>			
Japanese name: Hime-kana-warabi			
n=123	3x apo	Kiyosumiyama, Chiba Pref.	Mitui,1965
n=123	3x apo	Cultivated in Tokyo Univ. of Education	Mitui,1968
n=123	3x apo	Mt.Takaosan, Tokyo Pref.	Hirabayashi,1969b
n=123	3x apo	Mituishiyama, Chiba Pref.	Daigobo,1973
<i>Polystichum × utsumii</i> Sa.Kurata			
Japanese name: Harima-inode			
(2n=123)	3x irr	Funakoshi, Hyogo Pref.	Daigobo,1974
<i>Polystichum yaeyamense</i> (Makino) Makino			
Japanese name: Yaeyama-toranoo			
n=41	2x sex	Iriomotejima Isl., Okinawa Pref.	Shimura & Ooishi,1980
<i>Polystichum × yokohamaense</i> T.Oka et Ohtani			
Japanese name: Yokohama-inode			
No information			
<i>Polystichum × yuyamae</i> Sa.Kurata n.n.			
Japanese name: Gotenba-inode			
No information			
<i>Tectaria</i> Cav.: x=40; ploidy of Japanese plant = 2x			
<i>Tectaria decurrens</i> (C.Presl) Copel.			
Japanese name: Nanabake-shida			
No information			

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Tectaria devexa</i> (Kunze) Copel.			
Japanese name: Usuba-shida			
No information			
<i>Tectaria fauriei</i> Tagawa			
Japanese name: Komochi-nanabakeshida			
No information			
<i>Tectaria kusukusensis</i> (Hayata) Lellinger			
Japanese name: Nagaba-usuba-shida			
No information			
<i>Tectaria phaeocaulis</i> (Rosenst.) C.Chr.			
Japanese name: Kawari-usuba-shida			
No information			
<i>Tectaria simonsii</i> (Bedd.) Ching			
Japanese name: Karenko-ami-shida			
No information			
<i>Tectaria subtriphylla</i> (Hook. et Arn.) Copel.			
Japanese name: Mikawari-shida			
$n=40$	$2x$ sex	Ishigakijima Isl., Okinawa Pref.	Mitui, 1976a

EQUISETACEAE

***Equisetum* L.: $x=108$; ploidy of Japanese plant = $2x$**

***Equisetum arvense* L.**

Japanese name: Sugi-na

$n=108$

$2x$

Chiba City, Chiba Pref.

Kurita, 1977

***Equisetum fluviatile* L.**

Japanese name: Mizu-dokusa

No information

***Equisetum hyemale* L.**

Japanese name: Tokusa

No information

***Equisetum palustre* L.**

Japanese name: Inu-sugina

No information

***Equisetum pratense* Ehrh.**

Japanese name: Yachi-sugina

No information

***Equisetum ramosissimum* Desf.**

Japanese name: Inu-dokusa

No information

***Equisetum scirpoides* Michx.**

Japanese name: Hime-dokusa

No information

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
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Equisetum sylvaticum L.

Japanese name: Fusa-sugina
No information

Equisetum variegatum Schleich. ex F.Weber et D.Mohr

Japanese name: Chishima-hime-dokusa
No information

GLEICHENIACEAE

Dicranopteris Bernh.: $x=39$; ploidy of Japanese plants = $2x$

Dicranopteris linearis (Burm.f.) Underw.

Japanese name: Ko-shida
 $2n=78$ $2x$ Ashikubo, Shizuoka Pref. Nakato,1988

Gleichenia Sm.: $x=34$ (non-Japanese species)

Gleichenia japonica Spreng.

Japanese name: Urajiro
No information

Gleichenia laevissima Christ

Japanese name: Kaneko-shida
No information

GRAMMITIDACEAE

Ctenopteris Blume ex Kunze: $x=37$ (non-Japanese species)

Ctenopteris kanashiroi (Hayata) K.Iwats.

Japanese name: Shima-mukade-shida
No information

Ctenopteris sakaguchiana (Koidz.) H.Itô

Japanese name: Kireha-okuboshida
No information

Grammitis Sw.: $x=36, 37$ (non-Japanese species)

Grammitis dorsipila (H.Christ) C.Chr. et Tardieu

Japanese name: Hime-uraboshi
No information

Grammitis nipponica Tagawa et K.Iwats.

Japanese name: Hiroha-himeuraboshi
No information

Grammitis tuyamae H.Ohba

Japanese name: Nagaba-kouraboshi
No information

Xiphopteris Kaulf.: $x=32, 33, 36, 37$ (non-Japanese species)

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Xiphopteris okubo</i> (Yatabe) Copel.			
Japanese name: Okubo-shida			
No information			
HYMENOPHYLLACEAE			
<i>Cephalomanes</i> C. Presl: $x=32, 33, 36$; ploidy of Japanese plants = $2x, 3x$			
<i>Cephalomanes apiifolium</i> (C.Presl) K.Iwats.			
Japanese name: Kikumoba-horagoke			
$n=36$	$2x$ sex	Iriomotejima Isl., Okinawa Pref.	Mitui,1976a
<i>Cephalomanes atrovirens</i> C.Presl			
Japanese name: Sakishima-horagoke			
No information			
<i>Cephalomanes boninense</i> (Tagawa et K.Iwats.) K.Iwats.			
Japanese name: Hahajima-horagoke			
$n=36$	$2x$ sex	Chichijima Isl., Tokyo Pref.	Mitui,1973
<i>Cephalomanes javanicum</i> (Blume) van den Bosch var. <i>asplenioides</i> (C.Chr.) K.Iwats.			
Japanese name: Sotetsu-horagoke			
$n=32$	$2x$ sex	Iriomotejima Isl., Okinawa Pref.	Mitui,1976a
<i>Cephalomanes obscurum</i> (Blume) K.Iwats. var. <i>obscurum</i>			
Japanese name: Oni-horagoke			
$n=33$	$2x$ sex	Amamioshima Isl., Kagoshima Pref.	Mitui,1967b
$n=33$	$2x$ sex	Amamioshima Isl., Kagoshima Pref.	Mitui,1968
$n=33$	$2x$ sex	Iriomotejima Isl., Okinawa Pref.	Mitui,1976a
<i>Cephalomanes obscurum</i> (Blume) K.Iwats. var. <i>siamense</i> (H.Christ) K.Iwats.			
Japanese name: Nanban-horagoke			
No information			
<i>Cephalomanes thysanostomum</i> (Makino) K.Iwats.			
Japanese name: Kanshinobu-horagoke			
$2n=108$	$3x$	Iriomotejima Isl., Okinawa Pref.	Yoroi,1977
<i>Crepidomanes</i> (C. Presl) C. Presl: $x=36$; ploidy of Japanese plants = $2x, 3x, 4x$			
<i>Crepidomanes acuto-obtusum</i> Hayata*			
Japanese name: Ogasawara-horagoke			
$n=36$	$2x$ sex	Hahajima Isl., Tokyo Pref.	Mitui,1973
<i>Crepidomanes amabile</i> (Nakai) K.Iwats.			
Japanese name: Hime-haihoragoke			
$n=36$	$2x$ sex	Oirase, Aomori Pref.	Mitui,1986
$(2n=108), 2n=108$	$3x$ irr	Hanyuda, Niigata Pref.	Mitui,1980
$(2n=108)$	$3x$ irr	Sado Isl., Niigata Pref.	Mitui,1968
$(2n=144)$	$4x$ irr	Jikoji, Niigata Pref.	Mitui,1976b
<i>Crepidomanes auriculatum</i> (Blume) K.Iwats.			
Japanese name: Tsuru-horagoke			
$n=36$	$2x$ sex	Yakushima Isl., Kagoshima Pref.	Mitui,1966a

* This taxon is not listed in Iwatsuki *et al.* (1995) and the scientific name follows Nakaike (1992).

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>n</i> =36	2x sex	Iriomotejima Isl., Okinawa Pref.	Mitui,1976a
<i>Crepidomanes bipunctatum</i> (Poir.) Copel.			
Japanese name: O-aohoragoke			
<i>n</i> =36	2x sex	Iriomotejima Isl., Okinawa Pref.	Mitui,1976a
<i>Crepidomanes birmanicum</i> (Bedd.) K.Iwats.			
Japanese name: Hai-horagoke			
(2 <i>n</i> =108)	3x irr	Yakushima Isl., Kagoshima Pref.	Mitui,1967b
(2 <i>n</i> =108)	3x irr	Yakushima Isl., Kagoshima Pref.	Mitui,1968
(2 <i>n</i> =108)	3x irr	Chichijima Isl., Tokyo Pref.	Mitui,1973
(2 <i>n</i> =108)	3x irr	Kiyosumiyama, Chiba Pref.	Kurita,1976
<i>n</i> =72	4x sex	Izuhara, Tokushima Pref.	Mitui,1966a
<i>n</i> =72	4x sex	Izuhara, Tokushima Pref.	Mitui,1968
<i>Crepidomanes humile</i> (G.Forst.) Bosch			
Japanese name: Hime-horagoke			
No information			
<i>Crepidomanes kurzii</i> (Bedd.) Tagawa et K.Iwats.			
Japanese name: Mame-horagoke			
No information			
<i>Crepidomanes latealatum</i> (Bosch) Copel.			
Japanese name: Ao-horagoke			
<i>n</i> =36	2x sex	Yugashima, Shizuoka Pref.	Mitui,1967b
<i>n</i> =36	2x sex	Yugashima, Shizuoka Pref.	Mitui,1968
<i>Crepidomanes latemarginale</i> (D.C.Eaton) Copel.			
Japanese name: Matsuba-kokeshida			
2 <i>n</i> =c108	3x apo	Ishigakijima, Isl., Okinawa Pref.	Yoroi,1976
<i>Crepidomanes liukiense</i> (Y.Yabe) K.Iwats.			
Japanese name: Ryukyu-horagoke			
<i>n</i> =36	2x sex	Okinawajima Isl., Okinawa Pref.	Mitui,1976a
<i>Crepidomanes maximum</i> (Blume) K.Iwats.			
Japanese name: Shinobu-horagoke			
No information			
<i>Crepidomanes minutum</i> (Blume) K.Iwats.			
Japanese name: Uchiwa-goke			
<i>n</i> =c36	2x sex	Shibata, Niigata Pref.	Mitui,1975
<i>n</i> =36	2x sex	Jikoji, Niigata Pref.	Mitui,1976b
2 <i>n</i> =72	2x	Shirayasawa, Saitama Pref.; Imohori, Shizuoka Pref.; Kozagawa, Wakayama Pref.	Yoroi & Iwatsuki,1977
<i>Crepidomanes radicans</i> (Sw.) K.Iwats. var. <i>naseanum</i> (H.Christ) K.Iwats.			
Japanese name: O-haihoragoke			
<i>n</i> =36	2x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1967b
<i>n</i> =36	2x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1968
<i>n</i> =36	2x sex	Okinawajima Isl., Okinawa Pref.	Mitui,1976a

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Crepidomanes schmidtianum</i> (Zenker ex Taschner) K.Iwats.			
Japanese name: Chichibu-horagoke (2n=108)	3x irr	Mameyakizawa, Saitama Pref.	Mitui, 1968
<i>Crepidomanes subclathratum</i> (K.Iwats.) K.Iwats.			
Japanese name: Koke-haihoragoke No information			
<i>Hymenophyllum</i> Sm.: $x=21, 28$; ploidy of Japanese plants = 2x, 3x			
<i>Hymenophyllum badium</i> Hook. et Grev.			
Japanese name: O-kokeshinobu No information			
<i>Hymenophyllum barbatum</i> (Bosch) Baker			
Japanese name: Koya-kokeshinobu $n=21$ $2n=42$	2x sex 2x	Obarano, Mie Pref. Miyajima Isl., Hiroshima Pref.	Mitui, 1966a Tatuno & Takei, 1969
<i>Hymenophyllum denticulatum</i> Sw.			
Japanese name: Hime-chijire-kokeshinobu No information			
<i>Hymenophyllum oligosorum</i> Makino			
Japanese name: Kiyosumi-kokeshinobu $2n=42$	2x	Kurouchi-kyo, Hiroshima Pref.	Tatuno & Takei, 1969
<i>Hymenophyllum polyanthos</i> (Sw.) Sw.			
Japanese name: Hosoba-kokeshinobu $n=28$ $2n=56$	2x sex 2x	Ushinzawa, Kanagawa Pref. Miyajima Isl., Hiroshima Pref.	Kurita, 1976 Tatuno & Takei, 1969
<i>Hymenophyllum riukiense</i> H.Christ			
Japanese name: Ryukyu-kokeshinobu No information			
<i>Hymenophyllum wrightii</i> Bosch			
Japanese name: Koke-shinobu $n=28, 2n=c56$ $n=28$ $n=28$ $2n=84$	2x sex 2x sex 2x sex 3x	Hinoemata, Fukushima Pref. Okukinu, Tochigi Pref. Shibata, Niigata Pref. Hinoemata, Fukushima Pref.	Mitui, 1986 Mitui, 1968 Mitui, 1975 Tatuno & Takei, 1969
<i>Trichomanes</i> L.: $x=34$ (non-Japanese species)			
<i>Trichomanes bimarginatum</i> Bosch			
Japanese name: Maruba-kokeshida No information			
<i>Trichomanes motleyi</i> Bosch			
Japanese name: Mamegoke-shida No information			
<i>Trichomanes tahitense</i> Nadeaud			
Japanese name: Zenigoke-shida No information			

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
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ISOETACEAE

Isoetes L.: $x=11$; ploidy of Japanese plants = $2x, 4x, 6x, 7x, 8x$

Isoetes asiatica (Makino) Makino

Japanese name: Hime-mizunira

$n=11, 2n=22$	$2x$ sex	Kuroishi City, Aomori Pref.	Takamiya <i>et al.</i> ,1996
$2n=22$	$2x$	Nojiri-ko, Nagano Pref.	Takamine,1921
$2n=22$	$2x$	Tsuta-numa, Aomori Pref.	Tatuno,1963
$2n=22$	$2x$	Mt.Hakkoda, Aomori Pref.; Koishigahama, Fukushima Pref.	Takamiya <i>et al.</i> ,1994
$2n=22$	$2x$	Mt.Hakkoda, Aomori Pref.; Koishigahama, Fukushima Pref.	Watanabe <i>et al.</i> ,1996

Isoetes japonica A.Br.

Japanese name: Mizu-nira

$2n=43-45$	$4x$	Tokyo Pref.	Takamine,1921
$n=33, 2n=66$	$6x$ sex	Senboku-gun, Akita Pref.; Natori City & Shiroishi City, Miyagi Pref.; Kashiwa City, Chiba Pref.; Omiya City, Saitama Pref.; Omachi City, Nagano Pref.; Yokkaichi City, Shiga Pref.; Nakatado-gun, Kagawa Pref.	Takamiya <i>et al.</i> ,1996
$n=33$	$6x$	Cultivated in Botanical Garden, Univ. of Tokyo	Yuasa,1935
$2n=66$	$6x$	Takanosu-machi, Ota-machi, & Rokugo-machi, Akita Pref.; Yuza-machi, Yamagata Pref.; Miroyoshi, Misawa, Oyama, & Marumori-machi, Miyagi Pref.; Kitashiobara-mura, Inawashiro-machi, & Kawauchi-mura, Fukushima Pref.; Hanaishi-machi, Tochigi Pref.; Minori-cho, Ibaraki Pref.; Misono & Iwabuchi, Saitama Pref.; Tsuchiyazu, Shonan-cho, & Heta-cho, Chiba Pref.; Korakuen, Tokyo Pref.; Iyari, Nagano Pref.; Fuse-machi, Shiga Pref.; Hannan-cho, Osaka Pref.; Kaneya-machi, Wakayama Pref.; Yakumo-mura, Shimane Pref.; Asahisou, Yamaguchi Pref.; Manno-cho, Kagawa Pref.	Takamiya <i>et al.</i> ,1994
$2n=66$	$6x$	Rokugo-machi, Akita Pref.; Yuza-machi, Yamagata Pref.; Oyama, Miyagi Pref.; Kitashiobara-mura & Kawauchi-mura, Fukushima Pref.; Hanaishi-machi, Tochigi Pref.; Misono & Iwabuchi, Saitama Pref.; Tsuchiyazu, Shonan-cho, & Heta-cho, Chiba Pref.; Iyari, Nagano Pref.; Fuse-machi, Shiga Pref.; Hannan-cho, Osaka Pref.; Kaneya-machi, Wakayama Pref.; Yakumo-mura, Shimane Pref.; Asahisou, Yamaguchi Pref.; Manno-cho & Saita-cho, Kagawa Pref.	Watanabe <i>et al.</i> ,1996
$2n=67$	$6x$	Sue, Gifu Pref.	Takamiya <i>et al.</i> ,1994
$2n=67$	$6x$	Sue, Gifu Pref.	Watanabe <i>et al.</i> ,1996
$(2n=77), 2n=77$	$7x$ irr	Kakuda City, Miyagi Pref.	Takamiya <i>et al.</i> ,1996
$2n=77$	$7x$	Oyama, Miyagi Pref.	Takamiya <i>et al.</i> ,1994
$2n=77$	$7x$	Oyama, Miyagi Pref.	Watanabe <i>et al.</i> ,1996
$(2n=87), 2n=87$	$8x$ sex?	Okayama City, Okayama Pref.	Takamiya <i>et al.</i> ,1996
$2n=87$	$8x$	Oyama, Miyagi Pref.; Kumage-cho, Yamaguchi Pref.	Takamiya <i>et al.</i> ,1994
$2n=87$	$8x$	Oyama, Miyagi Pref.	Watanabe <i>et al.</i> ,1996

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
$n=44, 2n=88$	8x sex	Kakuda City, Miyagi Pref.; Miki City, Hyogo Pref.; Okayama City, Okayama Pref.; Nakatado-gun, Kagawa Pref.	Takamiya <i>et al.</i> ,1996
$2n=88$	8x	Oyama, Shimada, & Kegaya, Miyagi Pref.; Miki City & Fukusaki-cho, Hyogo Pref.; Korakuen, Okayama Pref.; Kumage-cho, Yamaguchi Pref.	Takamiya <i>et al.</i> ,1994
$2n=88$	8x	Oyama, Shimada, & Marumori-machi, Miyagi Pref.; Miki City & Fukusaki-cho, Hyogo Pref.; Korakuen & Kojima, Okayama Pref.; Kumage-cho, Yamaguchi Pref.; Shirotori-cho & Manno-cho, Kagawa Pref.	Watanabe <i>et al.</i> ,1996
$2n=89$	8x	Oyama, Miyagi Pref.	Takamiya <i>et al.</i> ,1994
<i>Isoetes sinensis</i> T.C.Palmer			
Japanese name: Shina-mizunira			
$n=22, 2n=44$	4x sex	Yamaga City & Kuma-gun, Kumamoto Pref.; Nichinan City, Miyazaki Pref.	Takamiya <i>et al.</i> ,1996
$2n=44$	4x	Horinouchi & Yunomae-machi, Kumamoto Pref.; Kazeta, Miyazaki Pref.	Takamiya <i>et al.</i> ,1994
$2n=44$	4x	Mt.Hachimandake, Saga Pref.; Imajin, Oita Pref.; Horinouchi & Yunomae-machi, Kumamoto Pref.; Kazeta, Miyazaki Pref.	Watanabe <i>et al.</i> ,1996
$(2n=65), 2n=65$	6x sex?	Takahashi City, Okayama Pref.	Takamiya <i>et al.</i> ,1996
$2n=65$	6x	Mimura, Ibaraki Pref.; Mt.Gagyu, Okayama Pref.	Takamiya <i>et al.</i> ,1994
$2n=65$	6x	Mimura, Ibaraki Pref.; Mt.Gagyu, Okayama Pref.	Watanabe <i>et al.</i> ,1996
$n=33, 2n=66$	6x sex	Ishioka City, Ibaraki Pref.; Matsue City, Shimane Pref.; Futami-gun, Hiroshima Pref.; Abu-gun, Yamaguchi Pref.; Miyako-gun, Fukuoka Pref.	Takamiya <i>et al.</i> ,1996
$2n=66$	6x	Mimura, Ibaraki Pref.; Hokki-cho, Shimane Pref.; Mt.Gagyu, Okayama Pref.; Mirasaka-cho, Hiroshima Pref.; Katsuyama-cho, Fukuoka Pref.; Kazeta, Miyazaki Pref.	Takamiya <i>et al.</i> ,1994
$2n=66$	6x	Mimura, Ibaraki Pref.; Hokki-cho, Shimane Pref.; Mt.Gagyu, Okayama Pref.; Mirasaka-cho, Hiroshima Pref.; Abu-machi, Yamaguchi Pref.; Katsuyama-cho, Fukuoka Pref.; Kazeta, Miyazaki Pref.	Watanabe <i>et al.</i> ,1994
$2n=68$	6x	Mt.Gagyu, Okayama Pref.	Takamiya <i>et al.</i> ,1994
$2n=68$	6x	Mt.Gagyu, Okayama Pref.	Watanabe <i>et al.</i> ,1996

LINDSAEACEAE

***Lindsaea* Dryand. ex Sm.: $x=47, 75?$; ploidy of Japanese plants = 2x, 4x, 5x, 6x**

Lindsaea cambodgensis H.Christ

Japanese name: Hime-hongu-shida
No information

Lindsaea chienii Ching

Japanese name: Edauchi-hongu-shida

$n=c47$	2x sex	Mt.Ogasayama, Shizuoka Pref.	Kurita,1962
$n=94$	4x sex	Amamioshima Isl., Kagoshima Pref.	Mitui,1968
$n=94$	4x sex	Okinawajima Isl., Okinawa Pref.	Mitui,1976a

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Lindsaea ensifolia</i> Sw.			
Japanese name: Inu-inomotoso			
No information			
<i>Lindsaea heterophylla</i> Dryand.			
Japanese name: Edauchi-kujaku			
No information			
<i>Lindsaea javanensis</i> Blume			
Japanese name: Sarkaku-hongu-shida			
No information			
<i>Lindsaea kawabatae</i> Sa.Kurata			
Japanese name: Shinobu-hongu-shida			
No information			
<i>Lindsaea lucida</i> Blume			
Japanese name: Yaeyama-hongu-shida			
$n=47$	2x sex	Ishigakijima Isl., Okinawa Pref.	Mitui,1976a
$2n=94$	2x sex	Iriomotejima Isl., Okinawa Pref.	Lin <i>et al.</i> ,1990
<i>Lindsaea merrillii</i> Copel. subsp. <i>yaeyamensis</i> (Tagawa) K.U.Kramer			
Japanese name: Toranoo-hongu-shida			
$2n=94$	2x	Iriomotejima Isl., Okinawa Pref.	Nakato,1988
<i>Lindsaea odorata</i> Roxb. var. <i>japonica</i> (Baker) K.U.Kramer			
Japanese name: Saigoku-hongu-shida			
$n=c75, 2n=c150$? sex	Iriomotejima Isl., Okinawa Pref.	Lin <i>et al.</i> ,1990
$n=c80$	4x sex	Iriomotejima Isl., Okinawa Pref.	Mitui,1976a
<i>Lindsaea odorata</i> Roxb. var. <i>odoata</i>			
Japanese name: Hongu-shida			
$2n=235$	5x	Yakushima Isl., Kagoshima Pref.	Nakato,1987b
$n=155$	6x? sex	Yakushima Isl., Kagoshima Pref.	Kurita,1962
<i>Lindsaea orbiculata</i> (Lam.) Mett. ex Kuhn var. <i>commixta</i> (Tagawa) K.U.Kramer			
Japanese name: Shin-edauchi-hongu-shida			
$2n=204$	5x	Amamioshima Isl., Kagoshima Pref.	Nakato,1990
$n=c150, 2n=c300$	6x? sex	Iriomotejima Isl., Okinawa Pref.	Lin <i>et al.</i> ,1990
$n=c130$	6x sex	Ishigakijima Isl., Okinawa Pref.	Mitui,1976a
<i>Lindsaea orbiculata</i> (Lam.) Mett. ex Kuhn var. <i>orbiculata</i>			
Japanese name: Maruba-hongu-shida			
No information			
<i>Lindsaea repanda</i> Kunze			
Japanese name: Munin-edauchi-hongu-shida			
$n=94$	2x sex	Chichijima Isl., Tokyo Pref.	Mitui,1973
<i>Lindsaea simulans</i> Ching			
Japanese name: Uchiwa-hongu-shida			
No information			
<i>Sphenomeris</i> Maxon: $x=47, 48, 49$; ploidy of Japanese plants = 2x, 3x, 4x			

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Sphenomeris biflora</i> (Kaulf.) Tagawa			
Japanese name: Hama-horashinobu			
$n=48, 2n=96$	2x sex	Miura Peninsula, Kanagawa Pref.; Aino Peninsula, Chiba Pref.; Izu, Shizuoka Pref.; Amamioshima Isl. & Azuhira Peninsula, Kagoshima Pref.; Iriomotejima Isl., Okinawa Pref.	Lin <i>et al.</i> ,1990
$n=48, 2n=96$	2x sex	Iriomotejima Isl., Okinawa Pref.	Lin <i>et al.</i> ,1994
$n=48$	2x sex	Tauji, Shizuoka Pref.	Kurita & Nishida,1963
$n=47$	2x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1968
$n=c47$	2x sex	Hahajima Isl., Tokyo Pref.	Mitui,1973
$n=c48$	2x sex	Ishigakijima Isl., Okinawa Pref.	Mitui,1976a
$n=48$	2x sex	Iriomotejima Isl., Okinawa Pref.	Lin <i>et al.</i> ,1994
$2n=96$	2x	Cultivated in Hiroshima Univ.	Kawakami,1979
$2n=96$	2x sex	Chichijima Isl., Tokyo Pref.; Uken & Amamioshima Isl., Kagoshima Pref.	Lin <i>et al.</i> ,1994
<i>Sphenomeris chinensis</i> (L.) Maxon var. <i>chinensis</i>			
Japanese name: Hora-shinobu			
$n=48, 2n=96$	2x sex	Iriomotejima Isl., Okinawa Pref.	Lin <i>et al.</i> ,1990
$n=48, 2n=96$	2x sex	Iriomotejima Isl., Okinawa Pref.	Lin <i>et al.</i> ,1994
$n=48$	2x	Iriomotejima Isl., Okinawa Pref.	Lin <i>et al.</i> ,1994
$n=c94, c96$ & $c98$; $2n=c192, c194$ & $c196$	4x sex	Miura Peninsula, Kanagawa Pref.; Chikura & Kiyosumiyama, Chiba Pref.; Minari, Shimane Pref.; Fuke, Yakushima Isl., & Amamioshima Isl., Kagoshima Pref.; Ishigakijima Isl. & Iriomotejima Isl., Okinawa Pref.	Lin <i>et al.</i> ,1990
$n=c96, 2n=c192$	4x sex	Yokosuka, Kanagawa Pref.; Chichijima Isl. & Oshima Isl., Tokyo Pref.; Mt.Gongen, Kumamoto Pref.; Mt.Taketama, Sakurajima, & Yakushima Isl., Kagoshima Pref.; Iriomotejima Isl. & Ishigakijima Isl., Okinawa Pref.	Lin <i>et al.</i> ,1994
$n=94$	4x sex	Hamaoka & Kikugawa, Shizuoka Pref.	Kurita & Nishida,1963
$n=94$	4x sex	Cultivated in Tokyo Univ. of Education	Mitui,1968
$n=94$	4x sex	Chichijima Isl., Tokyo Pref.	Mitui,1973
<i>Sphenomeris chinensis</i> × <i>S. biflora</i>*			
Japanese name: ?			
$2n=96$	2x irr	Iriomotejima Isl., Okinawa Pref.	Lin <i>et al.</i> ,1994
$2n=144$	3x irr	Hachijojima Isl., Tokyo Pref.	Lin <i>et al.</i> ,1994
<i>Sphenomeris chinensis</i> × <i>S. gracilis</i>*			
Japanese name: ?			
$2n=97$	2x irr	Iriomotejima Isl., Okinawa Pref.	Lin <i>et al.</i> ,1994
<i>Sphenomeris gracilis</i> (Tagawa) Sa.Kurata			
Japanese name: Hime-horashinobu			
$n=47$	2x	Iriomotejima Isl., Okinawa Pref.	Mitui,1976a
$n=49, 2n=98$	2x sex	Iriomotejima Isl., Okinawa Pref.	Lin <i>et al.</i> ,1990
$2n=98$	2x sex	Iriomotejima Isl., Okinawa Pref.	Lin <i>et al.</i> ,1994
<i>Sphenomeris intermedia</i> Lin, M.Kato et K.Iwats.*			
Japanese name: Ainoko-horashinobu			
$n=c96, 2n=c192$	4x sex	Ishigakijima Isl., Okinawa Pref.	Lin <i>et al.</i> ,1994
$n=c96$	4x	Iriomotejima Isl. & Ishigakijima Isl., Okinawa Pref.	Lin <i>et al.</i> ,1994

* This taxon is not listed in Iwatsuki *et al.* (1995) and the scientific name follows Lin *et al.* (1994).

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Sphenomeris minutula</i> Sa.Kurata			
Japanese name: Kobito-horashinobu $n=49, 2n=98$	2x sex	Amamioshima Isl., Kagoshima Pref.	Lin <i>et al.</i> ,1990
<i>Tapeinidium</i> (C. Presl) C. Chr.: $x=?$; ploidy of Japanese plants = ?			
<i>Tapeinidium pinnatum</i> (Cav.) C.Chr.			
Japanese name: Gozadake-shida $n=c120$? sex	Iriomotejima Isl., Okinawa Pref.	Mitui,1976a
$n=c150, 2n=c300$? sex	Iriomotejima Isl., Okinawa Pref.	Lin <i>et al.</i> ,1990
LOMARIOPSISIDACEAE			
<i>Bolbitis</i> Schott: $x=41$; ploidy of Japanese plants = 2x			
<i>Bolbitis appendiculata</i> (Willd.) K.Iwats.			
Japanese name: Okinawa-kijinoo No information			
<i>Bolbitis heteroclita</i> (C.Presl) Ching			
Japanese name: O-hetsukashida $n=41$	2x sex	Iriomotejima Isl., Okinawa Pref.	Mitui,1976a
<i>Bolbitis heteroclita</i> × <i>B. subcordata</i>			
Japanese name: Ainoko-hetsukashida No information			
<i>Bolbitis</i> × <i>laxireticulata</i> K.Iwats.			
Japanese name: O-okinawakijinoo No information			
<i>Bolbitis quoyana</i> (Gaudich.) Ching			
Japanese name: Munin-hetsukashida $n=41$	2x sex	Hahajima Isl., Tokyo Pref.	Mitui,1973
<i>Bolbitis subcordata</i> (Copel.) Ching			
Japanese name: Hetsuka-shida $n=41$	2x sex	Cultivated in Botanical Garden, Univ. of Tokyo*	Kurita,1965a
$n=41$	2x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1968
<i>Elaphoglossum</i> Schott ex J. Sm.: $x=41$ (non-Japanese plant)			
<i>Elaphoglossum tosaense</i> (Yatabe) Makino			
Japanese name: Hiroha-atsuita No information			
<i>Elaphoglossum yoshinagae</i> (Yatabe) Makino			
Japanese name: Atsuita No information			
<i>Lomariopsis</i> Fée: $x=31, 32, 39, 41$ (non-Japanese species)			

* The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Lomariopsis spectabilis</i> (Kunze) Mett.			
Japanese name: Tsuru-kiji-no-o			
No information			
LYCOPODIACEAE			
<i>Lycopodium</i> L.: $x=23, 34$; ploidy of Japanese plants = $2x, 3x, 4x, 6x, 8x, 16x$			
<i>Lycopodium alpinum</i> L. var. <i>alpinum</i>			
Japanese name: Chishima-hikagenokazura			
No information			
<i>Lycopodium alpinum</i> L. var. <i>planirannulosum</i> Takeda			
Japanese name: Miyama-hikagenokazura			
No information			
<i>Lycopodium annotinum</i> L. var. <i>acrifolium</i> Fernald*			
Japanese name: Takane-sugikazura			
$n=34$	$2x$	Mt.Kurohimeyama, Nagano Pref.	Takamiya & Kurita,1983
<i>Lycopodium annotinum</i> L. var. <i>annotinum</i>*			
Japanese name: Sugi-kazura			
$n=34$	$2x$	Mt.Kirigamine & Mt.Kurohimeyama, Nagano Pref.	Takamiya & Kurita,1983
$2n=68$	$2x$	Mt.Teineyama & Mt.Muineyama, Hokkaido Pref.; Mt.Yunomaruyama, Gunma Pref.; Mt.Kurohimeyama & Mt.Kirigamine, Nagano Pref.	Takamiya,1992
<i>Lycopodium annotinum</i> L. form. <i>latifolium</i> Tagawa*			
Japanese name: Hiroha-sugikazura			
No information			
<i>Lycopodium carolinianum</i> L.			
Japanese name: Inu-yachi-sugiran			
$n=68$	$4x$	Tenganyama, Shiga Pref.	Takamiya & Kurita,1983
<i>Lycopodium casuarinoides</i> Spring			
Japanese name: Himo-zuru			
$2n=68$	$2x$	Yakushima Isl., Kagoshima Pref.	Takamiya & Tanaka,1983
$2n=68$	$2x$	Amakusa Isl., Kumamoto Pref.; Yakushima Isl., Kagoshima Pref.	Takamiya,1992
<i>Lycopodium cernuum</i> L.			
Japanese name: Mizu-sugi			
$n=108$?	Chichijima Isl., Tokyo Pref.; Uji City, Kyoto Pref.; Katagami-cho, Nagasaki Pref.; Yakushima Isl., Kagoshima Pref.	Takamiya & Kurita,1983
<i>Lycopodium chinense</i> H.Christ			
Japanese name: Hime-sugiran			

* This taxon is not listed in Iwatsuki *et al.* (1995) and the scientific name follows Iwatsuki (1992).

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>n</i> =68	4x	Mt.Kurohimeyama, Nagano Pref.	Takamiya & Kurita,1983

Lycopodium clavatum L.s.l.

Japanese name: Hikage-no-kazura

<i>n</i> =34, 2 <i>n</i> =68	2x sex	Rishiri Isl. & Mt.Muineyama, Hokkaido Pref.; Yachidaira, Yamagata Pref.; Mt.Kurohimeyama & Mt.Kirigamine, Nagano Pref.; Tateyamadera, Shizuoka Pref.; Jokoji, Aichi Pref.; Nishihara, Nara Pref.; Kawane, Wakayama Pref.; Yawatakogen, Haji-Dam, Mt.Arataniyama, & Miyajima isl., Hiroshima Pref.; Mt.Tsurugisan, Tokushima Pref.; Segiri, Kochi Pref.; Mt.Osuzuyama, Miyazaki Pref.; Tatsutayama, Kumamoto Pref.; Yakushima Isl., Kagoshima Pref.	Takamiya,1989
<i>n</i> =34	2x	Mt.Kirigamine & Mt.Kurohimeyama, Nagano Pref.	Takamiya & Kurita,1983
2 <i>n</i> =68	2x	Haji-Dam, Hiroshima Pref.	Tanaka & Takamiya,1981
2 <i>n</i> =68	2x	Yawatakogen, Tarutoko-Dam, Mt.Sinnyuzan, Mt.Jipposan, Uchiodani, Ege, Miyajima Isl., Kurashige, Hatadao, Kuchi, Mt.Arataniyama, Haji-Dam, Mt.Dogoyama, & Mitsugihachiman, Hiroshima Pref.	Takamiya & Tanaka,1982
2 <i>n</i> =68	2x	Rebunto Isl., Rishirito Isl., Mt.Shirikoma, Kogenuma, Nopporo, Mt.Muineyama, Takaoka-cho, & Mt.Kenashiyama, Hokkaido Pref.; Mt. Iwakisan, Aomori Pref.; Iwaizumi-cho, Iwate Pref.; Ogoe, Mt.Rokujurigoe & Mt.Asahi, Yamagata Pref.; Yumoto, Tochigi Pref.; Mt.Tanigawadake, Mt.Shiranesan, Mt.Akagiyama, & Mt.Yunomaru-yama, Gunma Pref.; Mt.Komyodake & Yomogitoge, Niigata Pref.; Mt.Tateyama, Toyama Pref.; Mt.Kuraga, Iwamado, & Mt.Hakusan, Ishikawa Pref.; Mt.Higashitate, Mt.Kurohimeyama, Mt. Togakushiyama, & Mt.Kirigamine, Nagano Pref.; Mt.Fuji, Yamanashi Pref.; Mt.Ontake & Kamitoku, Gifu Pref.; Jokoji, Aichi Pref.; Hirasana & Ogami, Shiga Pref.; Mt.Hieizan, Kyoto Pref.; Nishihara, Mt.Odaigahara, Zenki, & Shimokuwabara, Nara Pref.; Nishitani, Anshinhashi, & Okubo, Mie Pref.; Koyasan & Kawane, Wakayama Pref.; Mt. Oginosen & Mt.Daisen, Tottori Pref.; Mt.Sanbesan, Shimane Pref.; Mt.Dogoyama, Mt.Hibayama, Yawatakogen, Oguni, Haji-Dam, Mt.Takanosuyama, Ugakyo, Kuchi, Mt.Sinnyusan, Mt. Osorakan, Tarutoko-Dam, Mominoki, Mt. Jipposan, Mitsugihachiman, Egedani, Kurashige, Gokurakuji, Mt.Arataniyama, Hatadao, Uchiodani, Mt.Omineyama, Miyajima Isl., & Mt.Une, Hiroshima Pref.; Chomonkyo, Yamaguchi Pref.; Mt.Higashiakaishi & Ichinokawa, Ehime Pref.; Kumohara, Mt.Tsurugisan, Kirikoshitoge, Minanose, & Kushikawa, Tokushima Pref.; Sameura, Naragitoge, Segiri, Asahide, Kitaji, Hirano, Sakamoto, Kuki, Todoroki, Ichinoue, Hiranabe, & Kashiwagi, Kochi Pref.; Mt.Koshosan,	Takamiya,1989

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
		Fukuoka Pref.; Tsushima Isl. & Kuroki, Nagasaki Pref.; Inoseto, Oita Pref.; Mt.Mukozakayama, Obata, Mt.Osuzuyama, Mt.Shiratoriyama, & Ebinokogen, Miyazaki Pref.; Honmyoji, Tatsutayama, Hirogawaradani, Haki, Nihonsugi, Odorigoe, Joseki, Ichifusa-Dam, & Yunotsuru, Kumamoto Pref.; Juso, Imutaike, Mt.Takakumayama, & Yakushima Isl., Kagoshima Pref.	
2n=68	2x	Akaishi, Kumamoto Pref.	Takamiya,1992
(2n=102), 2n=102	3x irr	Hayanosemori, Aomori Pref.; Iimori, Hyogo Pref.; Haji-Dam, Tarutoko-Dam, & Otsuka, Hiroshima Pref.; Mt.Tsurugisan, Tokushima Pref.; Mt.Takakumayama, Kagoshima Pref.	Takamiya,1989
2n=102	3x	Haji-Dam, Hiroshima Pref.	Tanaka & Takamiya,1981
2n=102	3x	Mt.Tenguishi, Yawatakogen, Tarutoko-Dam, Mt. Shinnyusan, Kobara, Ushiobara, Iinoyama, Kurashige, Watanose-Dam, Miyajima Isl., Hatadao, Sedani, Ugakyo, Seno, Shimone, Haji-Dam, Mt.Tateeboshi, & Mt.Dogoyama, Hiroshima Pref.	Tanaka & Takamiya,1982
2n=102	3x	Mt.Rokujurigoe & Mt.Asahi, Yamagata Pref.; Mt. Yunomaruyama, Gunma Pref.; Mt.Kurohimeyama, Mt.Shiroumadake, & Mt.Yatsugatake, Nagano Pref.; Misawa, Shizuoka Pref.; Mt.Hirasan, Kibogaoka, & Mt.Ogami, Shiga Pref.; Mt.Hieizan, Kyoto Pref.; Nishitani, Nara Pref.; Hongu, Koya-san, & Kawai, Wakayama Pref.; Mt.limoriyama, Hyogo Pref.; Mt.Oginosen, Tottori Pref.; Michikawa, Shimane Pref.; Mt.Asanabewashiga-sen & Kanpa, Okayama Pref.; Mt.Dogoyama, Mt. Hibayama, Uenoike, Onuka, Yamate, Mt. Tenguishi, Taisenbaru, Yawatakogen, Mikawa-Dam, Mt.Kurokawamyojin, Haji-Dam, Shimone, Sedani, Ugakyo, Mt.Shinnyusan, Tarutoko-Dam, Obara, Seno, Kurashige, Gokurakuji, Hatadao, Ushiobara, Iiyama, Mt.Omineyama, Mt.Haiga-mine, Miyajima Isl., & Watase-Dam, Hiroshima Pref.; Kasayama & Mt.Dogadake, Yamaguchi Pref.; Ichinokawa, Ehime Pref.; Mt.Tsurugisan & Kushikawa, Tokushima Pref.; Mt.Shiragadake, Naragitoge, Kitaji, Sakamoto, Amikawagoe, & Ashizurimisaki, Kochi Pref.; Tsushima Isl., Nagasaki Pref.; Iidakogen, Oita Pref.; Mt.Osuzu-yama & Mt.Shiratoriyama, Miyazaki Pref.; Honmyoji, Tatsutayama, Hirogawara, Amakusa Isl., & Ichifusa-Dam, Kumamoto Pref.; Mt.Gyojin-dake & Mt.Takakumayama, Kagoshima Pref.	Takamiya,1989
n=68, 2n=136	4x sex	Rhishiri Isl. Hokkaido Pref.; Mt.Iwakisan, Aomori Pref.; Nenouekogen, Gifu Pref.; Kibogaoka, Shiga Pref.; Yawatakogen, Haji-Dam, & Miyajima Isl., Hiroshima Pref.; Mt.Tsurugisan, Tokushima Pref.; Ebinokogen, Miyazaki Pref.	Takamiya,1989
2n=136	4x	Haji-Dam, Hiroshima Pref.	Tanaka & Takamiya,1981

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
2n=136	4x	Mt.Tenguishi, Yawatakogen, Tarutoko-Dam, Mt.Shinnyusan, Mt.Osorakan, Ushiobara, Ege, Watanose-Dam, Miyajima Isl., Otsuka, Kuchi, Haji-Dam, Mt.Tateeboshi, & Mt.Dogoyama, Hiroshima Pref.	Takamiya & Tanaka,1982
2n=136	4x	Rebun Isl. & Mt.Muineyama, Hokkaido Pref.; Hachimantai, Akita Pref.; Mt.Asahi, Yamagata Pref.; Tokuzawa, Fukushima Pref.; Yumoto, Tochigi Pref.; Mt.Hakkaisan, Niigata Pref.; Mt.Tateyama, Toyama Pref.; Yamasaki & Mt.Hakusan, Ishikawa Pref.; Nenouekogen & Hisuikyo, Gifu Pref.; Mt.Kurakake & Nekkogoe, Shizuoka Pref.; Mt.Hirasan & Mt.Ogamiyama, Shiga Pref.; Asyu & Mt.Hieizan, Kyoto Pref.; Nishitani, Mie Pref.; Iimori, Hyogo Pref.; Mt.Daisen & Odaka, Tottori Pref.; Mt.Sanbesan, Shimane Pref.; Kanpa, Okayama Pref.; Mt.Dogoyama, Mt.Hibayama, Onuka, Mt.Tenguishiyama, Taisenbaru, Yawatakogen, Mikawa-Dam, Haji-Dam, Mt.Takanosu, Kuchi, Mt.Shinnyusan, Mt.Osorakan, Tarutoko-Dam, Egedani, Otsuka, Ushiobara, Mt.Omineyama, Mt.Haigamine, Miyajima Isl., Mt.Une, & Watase-Dam, Hiroshima Pref.; Mt.Dogadake, Yamaguchi Pref.; Mt.Higashiakaishi & Mt.Kanpusan, Ehime Pref.; Kumohaya, Mt.Tsurugisan, Kirikoshitoge, & Minanose, Tokushima Pref.; Sameura, Naragitoge, Segiri, Kuki, Todoroki, Huranabe, Mt.Godai, Amikawagoe, Futsusegoe, Myojin, & Ashizurimisaki, Kochi Pref.; Meotogi, Fukuoka Pref.; Oita & Mt.Inasayama, Nagasaki Pref.; Dannoharu & Iidakogen, Oita Pref.; Obata, Mt.Osuzuyama, & Ebinokogen, Miyazaki Pref.; Tatsutayama, Hirogawaradani, & Amakusa Isl., Kumamoto Pref.; Mt.Takakumayama, Kagoshima Pref.	Takamiya,1989

***Lycopodium complanatum* (L.) Holub**

Japanese name: Asuhi-kazura

n=23	2x	Mt.Kurohimeyama, Nagano Pref.	Takamiya & Kurita,1983
2n=46	2x	Mt.Rebun, Hokkaido Pref.; Mt.Shiranesan, Gunma Pref.; Mt.Kurohimeyama, Nagano Pref.	Takamiya,1992

***Lycopodium cryptomerinum* Maxim.**

Japanese name: Sugiran

n=136	8x	Sasari-toge, Kyoto Pref.	Takamiya & Kurita,1983
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***Lycopodium cunninghamioides* Hayata**

Japanese name: Koyozan-kazura

No information

***Lycopodium fargesii* Herter**

Japanese name: Himo-sugiran

No information

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Lycopodium hamiltonii</i> Spreng.			
Japanese name: Nankaku-ran $n=136$	8x	Yakushima Isl., Kagoshima Pref.	Takamiya & Kurita,1983
<i>Lycopodium inundatum</i> L.			
Japanese name: Yachi-sugiran No information			
<i>Lycopodium laxum</i> C.Presl			
Japanese name: Bo-kazura No information			
<i>Lycopodium nikoense</i> Franch. et Sav.			
Japanese name: Takane-hikagenokazura $n=23$	2x	Mt.Kurohimeyama, Nagano Pref.	Takamiya & Kurita,1983
$n=34$	2x	Sigakogen, Nagano Pref.	Mehara & Verma,1957
$2n=46$	2x	Mt.Daisetsusan, Hokkaido Pref.	Löve & Löve,1976
$2n=46$	2x	Mt.Muineyama, Hokkaido Pref.; Mt.Iwakisan, Aomori Pref.; Mt.Shiranesan, Gunma Pref.; Mt.Kurohimeyama, Nagano Pref.; Mt.Tateyama, Toyama Pref.; Yakushima Isl., Kagoshima Pref.	Takamiya,1992
<i>Lycopodium obscurum</i> L.			
Japanese name: Mannen-sugi $n=34$	2x	Mori-cho, Hokkaido Pref.; Mt.Kirigamine & Mt.Kurohimeyama, Nagano Pref.	Takamiya & Kurita,1983
$2n=68$	2x	Mt.Muineyama, Hokkaido Pref.; Mt.Shiranesan, Gunma Pref.; Mt.Kurohimeyama, Mt.Kirigamine, & Mt.Yatsugatake, Nagano Pref.; Mt.Tateyama, Toyama Pref.; Nenoue-kogen, Gifu Pref.; Mt.Hirasan, Shiga Pref.; Mt.Takanosuyama, Hirohima Pref.; Mt.Tsurugisan, Tokushima Pref.; Ebinokogen, Miyazaki Pref.; Yakushima Isl., Kagoshima Pref.	Takamiya,1992
<i>Lycopodium phlegmaria</i> L.			
Japanese name: Yoraku-hiba $n=c275$	16x	Yakushima Isl., Kagoshima Pref.	Takamiya & Kurita,1983
<i>Lycopodium salvinoides</i> (Herter) Tagawa			
Japanese name: Hime-yoraku-hiba No information			
<i>Lycopodium selago</i> L. var. <i>appressum</i> Desv.			
Japanese name: Ko-sugiran No information			
<i>Lycopodium selago</i> L. var. <i>patens</i> (P.Beauv.) Desv.			
Japanese name: Ezo-no-kosugiran No information			

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Lycopodium selago</i> L. var. <i>selago</i>			
Japanese name: Chishima-sugiran			
No information			
<i>Lycopodium serratum</i> Thunb. var. <i>intermedium</i> (Nakai) Miyabe et Kudô			
Japanese name: Hiroha-no-togeshiba			
<i>n</i> =68	4x	Uchiurayama, Chiba Pref.	Takamiya & Kurita,1983
<i>n</i> =136	8x	Uchiurayama, Chiba Pref.; Mt.Ogasayama, Shizuoka Pref.; Kudosan-cho, Wakayama Pref.; Yakushima Isl., Kagoshima Pref.	Takamiya & Kurita,1983
<i>Lycopodium serratum</i> Thunb. var. <i>longipetiolatum</i> Spring			
Japanese name: Oni-togeshiba			
No information			
<i>Lycopodium serratum</i> Thunb. var. <i>serratum</i>			
Japanese name: Hosoba-togeshiba			
<i>n</i> =68	4x	Mt.Tanigawadake, Gunma Pref.; Mt.Kurohimeyama, Nagano Pref.; Mt.Ishizuchiyama, Ehime Pref.	Takamiya & Kurita,1983
2 <i>n</i> =204	6x	Mt.Shiratoriyama, Miyazaki Pref.	Takamiya,1984
<i>n</i> =136	8x	Uchiurayama & Sekisonsan, Chiba Pref.; Yugashima-cho & Mt.Ogasayama, Shizuoka Pref.	Takamiya & Kurita,1983
<i>Lycopodium sieboldii</i> Miq. var. <i>christenseianum</i> (Christ et Hert.) Tagawa			
Japanese name: Ryukyu-himo-ran			
No information			
<i>Lycopodium sieboldii</i> Miq. var. <i>sieboldii</i>			
Japanese name: Himoran			
<i>n</i> =136	8x	Yakushima Isl., Kagoshima Pref.	Takamiya & Kurita,1983
<i>Lycopodium somai</i> Hayata			
Japanese name: Kosugi-togeshiba			
No information			

MARATTIACEAE

Angiopteris Hoffm.: $x=40$; ploidy of Japanese plants = $2x$

Angiopteris fokiensis Hieron.

Japanese name: Hinotani-ryubintai

No information

Angiopteris lygodiifolia Rosenst.

Japanese name: Ryubintai

2*n*=80 2x

Miyakejima Isl., Tokyo Pref.; Kuki, Mie Pref.; Yakushima Isl., Kagoshima Pref.; Okinawajima Isl., Okinawa Pref.

Nakato,1988

Angiopteris palmiformis (Cav.) C.Chr.

Japanese name: Hosoba-ryubintai

2*n*=80 2x

Iriomotejima Isl., Okinawa Pref.

Nakato,1996

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
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Marattia Sw.: $x=39$ (non-Japanese species)

Marattia boninensis Nakai
 Japanese name: Ryubintai-modoki
 No information

MARSILEACEAE

Marsilea L.: $x=20$; ploidy of Japanese plants = $2x$

Marsilea crenata C.Presl
 Japanese name: Nangoku-denjiso
 $2n=40$ $2x$ Ishigakijima Isl. & Iriomotejima Isl., Okinawa Pref. Nakato,1996

Marsilea quadrifolia L.
 Japanese name: Denji-so
 No information

OLEANDRACEAE

Arthropteris J. Sm.: $x=36$ (non-Japanese species)

Arthropteris palisotii (Desv.) Alston
 Japanese name: Warabi-tsunagi
 No information

Nephrolepis Schott: $x=41$ (non-Japanese species)

Nephrolepis biserrata (Sw.) Schott
 Japanese name: Hobi-kanju
 No information

Nephrolepis cordifolia (L.) C.Presl
 Japanese name: Tama-shida
 No information

Nephrolepis hirsutula (G.Forst.) C.Presl
 Japanese name: Yanbaru-tamashida
 No information

OPHIOGLOSSACEAE

Botrychium Sw.*: $x=44, 45$; ploidy of Japanese plants = $2x, 4x, 6x$

Botrychium atrovirens (Sahashi) M.Kato
 Japanese name: Shichito-hanawarabi
 $n=135$ $6x$ Aogashima Isl., Tokyo Pref. Sahashi,1979b

Botrychium boreale Milde
 Japanese name: Takane-hanawarabi
 No information

Botrychium formosanum Tagawa
 Japanese name: Horai-hanawarabi

* Hybrids between species of *Botrychium* have been described under *Sceptridium*.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
$n=90$	4x	Yakushima Isl., Kagoshima Pref.	Nishida <i>et al.</i> ,1964
$n=90$	4x	Yakushima Isl., Okinoerabujima Isl., & Tokunoshima Isl., Kagoshima Pref.	Sahashi,1981b
<i>Botrychium japonicum</i> (Prantl) Underw. var. <i>japonicum</i>			
Japanese name: O-hanawarabi			
$n=135$	6x	Chiba Pref.	Nishida <i>et al.</i> ,1964
$n=135$	6x	Oshima Isl., Tokyo Pref.	Sahashi,1979b
$n=135$	6x	Shiogama City, Miyagi Pref.; Kitakata City, Fukushima Pref.; Namekawa City, Toyama Pref.; Oshima Isl., Tokyo Pref.; Kamakura City, Kanagawa Pref.; Ise City, Mie Pref.; Ashizurimisaki, Kochi Pref.; Yadake, Miyazaki Pref.	Sahashi,1984
$n=c135$	6x	Juniko, Aomori Pref.; Kiyosumiyama, Chiba Pref.; Sendai City & Yakushima Isl., Kagoshima Pref.	Sahashi,1984
<i>Botrychium japonicum</i> (Prantl) Underw. var. <i>silvicola</i> (Sahashi) M.Kato			
Japanese name: Gojinka-hanawarabi			
No information			
<i>Botrychium lanceolatum</i> (S.G.Gmel.) Ångstr.			
Japanese name: Miyama-hanawarabi			
No information			
<i>Botrychium lunaria</i> (L.) Sw.			
Japanese name: Hime-hanawarabi			
$n=45$	2x	Mt.Tekaridake, Nagano Pref.	Sahashi,1979a
<i>Botrychium microphyllum</i> (Sahashi) M.Kato			
Japanese name: Iburi-hanawarabi			
$n=45$	2x	Mizumoto-cho, Hokkaido Pref.; Miyatojima Isl., Miyagi Pref.	Sahashi,1981a
<i>Botrychium multifidum</i> (S.G.Gmel.) Rupr. var. <i>multifidum</i>			
Japanese name: Yama-hanawarabi			
$n=45$	2x	Mt.Akagiyama, Gunma Pref.; Nikko City, Tochigi Pref.	Nishida <i>et al.</i> ,1964
<i>Botrychium multifidum</i> (S.G.Gmel.) Rupr. var. <i>robustum</i> (Rupr. ex Milde) C.Chr.			
Japanese name: Ezo-fuyuno-hanawarabi			
$n=45$	2x	Antaroma & Sapporo City, Hokkaido Pref.	Nishida <i>et al.</i> ,1964
<i>Botrychium nipponicum</i> Makino var. <i>minus</i> (Hara) M.Kato			
Japanese name: Usui-hanawarabi			
$n=45$	2x	Karuizawa, Nagano Pref.	Sahashi,1981a
<i>Botrychium nipponicum</i> Makino var. <i>nipponicum</i>			
Japanese name: Aka-hanawarabi			
$n=45$	2x	Narita City, Chiba Pref.; Ashikaga City, Tochigi Pref.	Nishida <i>et al.</i> ,1964
$n=45$	2x	Oshima Isl., Tokyo Pref.	Sahashi,1979b
<i>Botrychium strictum</i> Underw.			
Japanese name: Nagaho-no-natsuno-hanawarabi			
$n=44-45$, $2n=c90$	2x sex	Chiba Pref.	Niizeki <i>et al.</i> ,1963

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
$n=44$, $2n=88$	2x sex	Kuroiso City, Tochigi Pref.; Nakakaruzawa, Nagano Pref.	Sahashi & Nakato,1982
$n=44$, $2n=c88$	2x sex	Akimoto-ko, Fukushima Pref.; Oizumi-mura, Yamanashi Pref.	Sahashi & Nakato,1982
$n=44$	2x	Furano City & Mt.Usu, Hokkaido Pref.; Juni-ko, Aomori Pref.; Kawamata-ko, Tochigi Pref.; Shiizaki, Chiba Pref.; Oshino-mura, Yamanashi Pref.; Ina City, Nagano Pref.	Sahashi & Nakato,1982
$2n=88$	2x	Higashiagano, Saitama Pref.	Sahashi & Nakato,1982

***Botrychium ternatum* (Thunb.) Sw. var. *pseudoternatum* (Sahashi) M.Kato**

Japanese name: Aka-fuyuno-hanawarabi

No information

Botrychium ternatum* (Thunb.) Sw. var. *ternatum

Japanese name: Fuyu-no-hanawarabi

$n=44$ 2x Hokkaido Pref.

Okuno,1936

$n=45$ 2x Godai, Chiba Pref.

Nishida *et al.*,1964

$n=45$ 2x Toshima Isl., Tokyo Pref.

Sahashi,1979b

***Botrychium triangularifolium* (Sahashi) M.Kato**

Japanese name: Midori-hanawarabi

$n=45$ 2x Oshima Isl., Tokyo Pref.

Sahashi,1983

***Botrychium virginianum* (L.) Sw.**

Japanese name: Natsu-no-hanawarabi

$n=92$ 4x Chiba Pref.

Niizeki *et al.*,1963

***Helminthostachys* Kaulf.: $x=94$ (non-Japanese species)**

***Helminthostachys zeylanica* (L.) Hook.**

Japanese name: Miyakojima-hanawarabi

No information

***Ophioglossum* L.: $x=120$; ploidy of Japanese plants = 2x, 4x, 8x, 9x**

***Ophioglossum kawanurae* Tagawa**

Japanese name: Sakurajima-hanayasuri

No information

***Ophioglossum namegatae* M.Nishida et Kurita**

Japanese name: Tone-hanayasuri

$n=240$ 4x Toride City, Ibaraki Pref.

Nishida & Kurita,1969

***Ophioglossum parvifolium* Hook. et Grev.**

Japanese name: Iojima-hanayasuri

No information

***Ophioglossum parvum* M.Nishida et Kurita**

Japanese name: Chabo-hanayasuri

$n=120$ 2x Kakegawa City, Shizuoka Pref.; Aogashima Isl., Tokyo Pref.

Nishida & Kurita,1980

***Ophioglossum pendulum* L.**

Japanese name: Koby-ran

No information

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Ophioglossum petiolatum</i> Hook.			
Japanese name: Ko-hiroha-hanayasuri			
$n=480$	8x	Nikko City, Tochigi Pref.; Narita City, Usui, & Choshi City, Chiba Pref.	Kurita & Nishida,1965
$n=480$	8x	Chichijima Isl., Tokyo Pref.	Mitui,1973
$(2n=c960)$	8x irr	Toke, Chiba Pref.; Kyoto City, Kyoto Pref.	Kurita & Nishida,1965
$n=c510$	8x	Inage, Chiba Pref.	Kurita & Nishida,1965
$(2n=c1100)$	9x irr	Togane, Chiba Pref.	Kurita & Nishida,1965
<i>Ophioglossum thermale</i> Kom. var. <i>nipponicum</i> (Miyabe et Kudô) M.Nishida ex Tagawa			
Japanese name: Ko-hanayasuri			
$n=c172$		Koishikawa, Tokyo Pref.	Yuasa,1934
$n=240$	4x	Koganei City, Tokyo Pref.	Verma,1957
$n=c480$	8x	Narita City, Chiba Pref.	Kurita & Nishida,1965
$(2n=c960)$	8x irr	Narita City, Chiba Pref.; Kyoto City, Kyoto Pref.	Kurita & Nishida,1965
<i>Ophioglossum thermale</i> Kom. var. <i>thermale</i>			
Japanese name: Hama-hanayasuri			
$n=240$	4x	Kuju-kuri, Chiba Pref.	Verma,1957
<i>Ophioglossum vulgatum</i> L.			
Japanese name: Hiroha-hanayasuri			
$n=240$	4x	Inage, Usue, & Narita City, Chiba Pref.	Kurita & Nishida,1965
<i>Sceptridium</i> Lyon*			
<i>Sceptridium</i> × <i>argutum</i> Sahashi			
Japanese name: Habu-hanawarabi			
No information			
<i>Sceptridium</i> × <i>elegans</i> Sahashi			
Japanese name: Akane-hanawarabi			
No information			
<i>Sceptridium</i> × <i>longistipitatum</i> Sahashi			
Japanese name: Ai-izu-hanawarabi			
$(2n=180)$	4x irr	Oshima Isl., Tokyo Pref.	Sahashi,1979b
$2n=180$	4x	Oshima Isl., Tokyo Pref.	Sahashi,1983
<i>Sceptridium</i> × <i>pulchrum</i> Sahashi			
Japanese name: Anko-hanawarabi			
$(2n=180)$	4x irr	Oshima Isl., Tokyo Pref.	Sahashi,1983
OSMUNDACEAE			
<i>Osmunda</i> L.: $x=22$; ploidy of Japanese plants = 2x			
<i>Osmunda banksiifolia</i> (C.Presl) Kuhn			
Japanese name: Shiroyama-zenmai			
$n=22, 2n=44$	2x sex	No locality given	Okuno,1936
$n=22, 2n=44$	2x sex	Cultivated in Botanical Garden, Univ. of Tokyo**	Kurita,1966a
$n=22$	2x	Ashizurimisaki, Kochi Pref.; Osumi & Yakushima Isl., Kagoshima Pref.	Hirabayashi,1963

* Hybrids between species of *Botrychium* have been described under *Sceptridium*.

** The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
$n=22$ $2n=44$	$2x$ $2x$	Cultivated in Botanical Garden, Univ. of Tokyo Inoki, Kochi Pref.	Mitui,1968 Tatuno & Yoshida,1967
<i>Osmunda cinnamomea</i> L.			
Japanese name: Yamadori-zenmai			
$n=22$, $2n=44$	$2x$ sex	Hokkaido Pref.	Okuno,1936
$n=22$	$2x$	Karuizawa, Nagano Pref.	Hirabayashi,1963
$2n=44$	$2x$	Hatsukaichi, Hiroshima Pref.	Tatuno & Yoshida,1967
<i>Osmunda claytoniana</i> L.			
Japanese name: Oni-zenmai			
$n=22$	$2x$	Karuizawa, Nagano Pref.	Hirabayashi,1963
$2n=44$	$2x$	Senjogahara, Tochigi Pref.	Tatuno & Yoshida,1967
<i>Osmunda</i> × <i>intermedia</i> (Honda) Sugim.			
Japanese name: Okutama-zenmai			
$n=22$	$2x$	Mt.Takaosan, Tokyo Pref.	Kurita,1963a
$n=22$, ($2n=44$)	$2x$ irr	Fuji City, Shizuoka Pref.	Shimura & Matsumoto,1977
$2n=44$	$2x$	Yoshiwara, Shizuoka Pref.; Itsukaichi, Hiroshima Pref.	Tatuno & Yoshida,1966
<i>Osmunda japonica</i> Thunb.			
Japanese name: Zenmai			
$n=22$, $2n=44$	$2x$ sex	Hokkaido Pref.	Okuno,1936
$n=22$, $2n=44$	$2x$ sex	No locality given	Takei,1988b
$n=22$	$2x$	Kikugawa, Shizuoka Pref.	Kurita,1963a
$n=22$	$2x$	Tokyo Pref.	Hirabayashi,1963
$n=22$	$2x$	Cultivated in Tokyo Univ. of Education	Mitui,1968
$2n=44$	$2x$	Yoshiwara, Shizuoka Pref.; Itsukaichi, Hiroshima Pref.	Tatuno & Yoshida,1966
<i>Osmunda lancea</i> Thunb.			
Japanese name: Yasha-zenmai			
$n=22$	$2x$	Owase, Mie Pref.	Hirabayashi,1963
$n=22$	$2x$	Cultivated in Tokyo Univ. of Education	Mitui,1968
$2n=44$	$2x$	Yoshiwara, Shizuoka Pref.; Itsukaichi, Hiroshima Pref.	Tatuno & Yoshida,1966
PARKERIACEAE			
<i>Adiantum</i> L.: $x=29?$, 30; ploidy of Japanese plants = $2x$, $4x$			
<i>Adiantum capillus-junonis</i> Rupr.			
Japanese name: Horai-kujaku			
$n=30$	$2x$ sex	Cultivated in Botanical Garden, Univ. of Tokyo	Mitui,1965
<i>Adiantum capillus-veneris</i> L.			
Japanese name: Horai-shida			
$n=24$	$2x$	No locality given	Yuasa,1941
$n=30$	$2x$ sex	Hamaoka, Shizuoka Pref.	Kurita,1965a
$n=30$	$2x$ sex	Cultivated in Botanical Garden, Univ. of Tokyo	Mitui,1965
$n=30$	$2x$ sex	Zushi City, Kanagawa Pref.	Mitui,1968
$n=30$	$2x$ sex	Iriomotejima Isl., Okinawa Pref.	Mitui,1976a
$2n=60$	$2x$	Yaba-kei, Oita Pref.	Kawakami,1981

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Adiantum diaphanum</i> Blume			
Japanese name: Sukiya-kujaku			
No information			
<i>Adiantum edgeworthii</i> Hook.			
Japanese name: Otome-kujaku			
$n=30$	2x sex	Oita City, Oita Pref.	Kurita,1965a
$2n=60$	2x	Innai-machi & Ajimu-machi, Oita Pref.	Takei & Tsuji,1995
<i>Adiantum flabellulatum</i> L.			
Japanese name: Okinawa-kujaku			
No information			
<i>Adiantum monochlamys</i> D.C.Eaton			
Japanese name: Hakone-shida			
$n=58$	4x sex	Cultivated in Tokyo Univ. of Education	Mitui,1965
$n=60$	4x sex	Oma, Shizuoka Pref.	Kurita,1965a
$2n=120$	4x	Anabuki-cho, Tokushima Pref.	Kawakami,1981
<i>Adiantum ogasawarense</i> Tagawa			
Japanese name: Iwa-horaishida			
No information			
<i>Adiantum pedatum</i> L.			
Japanese name: Kujaku-shida			
$n=29$	2x sex	Mt.Bukosan, Saitama Pref.*	Kurita,1960
$n=29$	2x sex	Cultivated in Tokyo Univ. of Education	Mitui,1968
$n=c29$	2x sex	Haboro, Hokkaido Pref.	Mitui,1975
$n=30$	2x sex	Yahiko, Niigata Pref.	Mitui,1976b
$2n=60$	2x	Itsukaichi, Tokyo Pref.; Yoro-taki, Chiba Pref.; Otsuki, Yamanashi Pref.; Eiheiji, Fukui Pref.; Mt.Myokosan, Niigata Pref.	Nakato in Mitui,1976
$2n=60$	2x	Hiroshima City, Hiroshima Pref.	Kawakami,1981
<i>Ceratopteris</i> Brongn.: $x=39$ (non-Japanese species); ploidy of Japanese plants = 4x			
<i>Ceratopteris thalictroides</i> (L.) Brongn.			
Japanese name: Mizu-warabi			
$n=120-130$		No locality given	Yabe & Yasui,1913
$n=78, 2n=150-160$	4x sex	Chiba City, Chiba Pref.	Nishida & Kurita,1963
$n=78$	4x sex	Iriomotejima Isl., Okinawa Pref.	Mitui,1976a
$2n=156$	4x	Nagareyama City, Chiba Pref.; Okinawajima Isl., Okinawa Pref.	Masuyama & Watano,1994
<i>Cheilanthes</i> Sw.: $x=30$; ploidy of Japanese plants = 2x, 3x, 4x			
<i>Cheilanthes argentea</i> (S.G.Gmel.) Kunze			
Japanese name: Hime-urajiro			
$n=58-60$	4x sex	Hitoyoshi City, Kumamoto Pref.	Mitui,1965
$n=58-60$	4x sex	Hitoyoshi City, Kumamoto Pref.	Mitui,1968
$2n=120$	4x	Kure City, Hiroshima Pref.	Kawakami,1980
<i>Cheilanthes brandtii</i> Franch. et Sav.			
Japanese name: Miyama-urajiro			

* The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
$n=30$	2x sex	Mt.Bukosan, Saitama Pref.	Kurita,1962
$n=30$	2x sex	Tochimoto, Saitama Pref.	Mitui,1975
<i>Cheilanthes chusana</i> Hook.			
Japanese name: Ebigara-shida			
$2n=90$	3x	Cultivated in Hiroshima Univ.	Kawakami,1980
<i>Cheilanthes krameri</i> France. et Sav.			
Japanese name: Iwa-urajiro			
No information			
<i>Coniogramme</i> Fée: $x=30$; ploidy of Japanese plants = 2x, 4x			
<i>Coniogramme</i> × <i>fauviei</i> Hieron.			
Japanese name: Inu-iwaganeso			
$(2n=c120)$	4x irr	Oboradani, Shizuoka Pref.	Kurita,1963b
$(2n=120)$	4x irr	Cultivated in Tokyo Univ. of Education	Mitui,1968
$(2n=120)$	4x irr	Imakawa, Niigata Pref.	Mitui,1975
$(2n=120)$	4x irr	Jikoji, Niigata Pref.	Mitui,1976b
<i>Coniogramme gracilis</i> Ogata			
Japanese name: Hosoba-iwaganeso			
$n=30$	2x sex	Amamioshima Isl., Kagoshima Pref.	Kurita,1972
<i>Coniogramme intermedia</i> Hieron.			
Japanese name: Iwagane-zenmai			
$n=60, 2n=120$	4x sex	Mitsumune, Saitama Pref.; Mt.Amagiyama & Mt.Ogasayama, Shizuoka Pref.	Kurita,1963b
<i>Coniogramme japonica</i> (Thunb.) Diels			
Japanese name: Iwagane-so			
$n=60$	4x sex	Mt.Ogasayama & Mt.Amagiyama, Shizuoka Pref.	Kurita,1963b
<i>Cryptogramma</i> R. Br.: $x=30$; ploidy of Japanese plants = 2x			
<i>Cryptogramma crista</i> (L.) R.Br. ex Richardson			
Japanese name: Rishiri-shinobu			
No information			
<i>Cryptogramma stelleri</i> (S.G.Gmel.) Prantl			
Japanese name: Yatsugatake-shinobu			
$n=30$	2x sex	Mt.Toyoguchiyama, Nagano Pref.	Mitui,1975
<i>Onychium</i> Kaulf: $x=29$ (non-Japanese species); ploidy of Japanese plants = 4x			
<i>Onychium japonicum</i> (Thunb.) Kunze			
Japanese name: Tachi-shinobu			
$n=58, 2n=c116$	4x sex	Nokogiriyama, Chiba Pref.*	Kurita,1967b
$n=58$	4x sex	Hashimoto, Kanagawa Pref.	Mitui,1965
$n=58$	4x sex	Hashimoto, Kanagawa Pref.	Mitui,1968
$2n=116$	4x	Hiroshima City, Hiroshima Pref.	Kawakami,1980
<i>Pityrogramma</i> Link: $x=30$ (non-Japanese species)			

* The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
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Pityrogramma calomelanos (L.) Link

Japanese name: Gin-shida
No information

***Pleurosoriopsis* Fomin: $x=36$; ploidy of Japanese plants = $3x, 4x$**

Pleurosoriopsis makinoi (Maxim. ex Makino) Fomin

Japanese name: Karakusa-shida

($2n=108$)	$3x$	irr	Amagitoge, Shizuoka Pref.	Kurita & Ikebe,1977
$n=72$	$4x$	sex	Toyamagawa, Nagano Pref.	Mitui,1970
$2n=c144$	$4x$	sex	Nagurigawa, Saitama Pref.	Kurita & Ikebe,1977
$2n=145$	$4x$		Geihoku-cho, Hiroshima Pref.	Kawakami,1981

PLAGIOGYRIACEAE

***Plagiogyria* (Kunze) Mett.: $x=65$; ploidy of Japanese plants = $2x, 4x$**

Plagiogyria adnata (Blume) Bedd. var. *adnata*

Japanese name: Takasago-kijinoo

$2n=260$	$4x$		Yakushima Isl., Kagoshima Pref.	Nakato,1988
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Plagiogyria adnata (Blume) Bedd. var. *yakushimensis* (K.Satô) Tagawa

Japanese name: Yakushima-kijinoo
No information

Plagiogyria euphlebia (Kunze) Mett.

Japanese name: O-kijinoo

$n=c125$	$4x$	sex	Mt.Ogasayama, Shizuoka Pref.	Kurita,1963a
$n=c130$	$4x$		Murashige, Niigata Pref.	Nakato & Mitui,1983
$2n=260$	$4x$		Gifu City, Gifu Pref.; Kyoto City, Kyoto Pref.	Nakato & Mitui,1983

Plagiogyria japonica Nakai var. *japonica*

Japanese name: Kijinoo-shida

$n=c100$	$4x$	sex	Izu, Shizuoka Pref.	Kurita,1963a
$2n=260$	$4x$		Kyoto City, Kyoto Pref.	Nakato & Mitui,1983

Plagiogyria japonica Nakai var. *pseudo-japonica* (Nakaike) K.Iwats.

Japanese name: Hime-kijinoo
No information

Plagiogyria koidzumii Tagawa

Japanese name: Ryukyu-kijinoo
No information

Plagiogyria matsumureana Makino

Japanese name: Yama-sotetsu

$n=65, 2n=130$	$2x$	sex	Hinoemata, Fukushima Pref.	Nakato & Mitui,1983
$n=c75$	$2x$	sex	Mt.Kurodake, Hokkaido Pref.	Kurita,1963a
$n=66$	$2x$	sex	Mt.Chokai, Yamagata Pref.	Mitui,1976b
$2n=130$	$2x$		Mt.Tateyama, Toyama Pref.	Nakato & Mitui,1983

Plagiogyria × *neointermedia* Nakaike

Japanese name: Hagakure-kijinoo
No information

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Plagiogyria</i> × <i>sessilifolia</i> Nakaike			
Japanese name: Futatsu-kijinoo			
No information			
<i>Plagiogyria stenoptera</i> (Hance) Diels			
Japanese name: Shima-yamasotetsu			
No information			
<i>Plagiogyria</i> × <i>wakabae</i> Sa.Kurata ex Nakaike			
Japanese name: Ai-kijinoo			
No information			
POLYPODIACEAE			
<i>Aglaomorpha</i> Schott: $x=36$ (non-Japanese species)			
<i>Aglaomorpha coronans</i> (Wall. ex Mett.) Copel.			
Japanese name: Kazari-shida			
No information			
<i>Colysis</i> C. Presl: $x=36$; ploidy of Japanese plants = $2x, 3x$			
<i>Colysis elliptica</i> (Thunb.) Ching			
Japanese name: Iwa-hitode			
$n=36, 2n=72$	2x sex	Mt.Ogasayama, Shizuoka Pref.; Yakushima Isl., Kagoshima Pref.	Kurita,1968
$n=36$	2x sex	Mikisato, Mie Pref.	Mitui,1966a
$n=36$	2x sex	Mikisato, Mie Pref.	Mitui,1968
$n=36$	2x sex	Yugashima, Shizuoka Pref.	Kurita,1968
$2n=72$	2x	Hiwasa-cho, Tokushima Pref.	Takei,1983b
<i>Colysis hemionitidea</i> C.Presl			
Japanese name: Taiwan-kuriharan			
No information			
<i>Colysis</i> × <i>kiusiana</i> Sa.Kurata			
Japanese name: Ai-iwahitode			
$(2n=72), 2n=72$	2x irr	Minamata City, Kumamoto Pref.	Kurita,1968
<i>Colysis pothifolia</i> (Buch.-Ham. ex D.Don) C.Presl			
Japanese name: O-iwahitode			
$n=36, 2n=72$	2x sex	Yakushima Isl., Kagoshima Pref.	Kurita,1968
$n=36$	2x sex	Ashizurimisaki, Kochi Pref.	Mitui,1966a
$n=36$	2x sex	Ashizurimisaki, Kochi Pref.	Kurita,1968
$2n=72$	2x	Amamioshima Isl., Kagoshima Pref.	Takei,1983b
<i>Colysis shintenensis</i> (Hayata) H.Itô			
Japanese name: Shinten-uraboshi			
$(2n=72), 2n=72$	2x irr	Unknown origin	Kurita,1968
$(2n=72)$	2x irr	Yakushima Isl., Kagoshima Pref.	Mitui,1968
$(2n=99)$	3x irr	Yakushima Isl., Kagoshima Pref.	Mitui,1967b
$(2n=108), 2n=108$	3x irr	Minamata City, Kumamoto Pref.	Kurita,1968
$(2n=c108), 2n=c108$	3x irr	Takaike, Wakayama Pref.; Isoma, Kagoshima Pref.	Kurita,1968
$2n=108$	3x	Iriomotejima Isl., Okinawa Pref.	Takei,1983b

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Colysis simplicifrons</i> (H.Christ) Tagawa			
Japanese name: Hitotsuba-iwahitode			
(2n=108), 2n=108	3x irr	Minamata City, Kumamoto Pref.; Miyazaki City, Miyazaki Pref.	Kurita,1968
<i>Colysis wrightii</i> (Hook.) Ching			
Japanese name: Yari-no-ho-kuriharan			
n=36, 2n=72	2x sex	Kagoshima City, Kagoshima Pref.	Kurita,1968
n=36	2x sex	Amamioshima Isl., Kagoshima Pref.	Mitui,1967b
n=36	2x sex	Amamioshima Isl., Kagoshima Pref.	Mitui,1968
n=36	2x sex	Iriomotejima Isl., Okinawa Pref.	Mitui,1976a
2n=72	2x	Amamioshima Isl., Kagoshima Pref.	Takei,1983b
2n=74	2x	Ishigakijima Isl., Okinawa Pref.	Nakato,1990
2n=75	2x	Amamioshima Isl., Kagoshima Pref.	Nakato,1990
<i>Crypsinus</i> C. Presl: $x=35, 36$; ploidy of Japanese plants = 2x, 4x			
<i>Crypsinus engleri</i> (Luerss.) Copel.			
Japanese name: Taka-no-ha-uraboshi			
2n=70	2x	Yakushima Isl., Kagoshima Pref.	Takei,1983b
<i>Crypsinus hastatus</i> (Thunb.) Copel.			
Japanese name: Mitsude-uraboshi			
n=35, 2n=70	2x sex	Mt.Ogasayama, Shizuoka Pref.	Kurita,1966b
n=35	2x sex	Shirayasawa, Saitama Pref.	Mitui,1975
n=36	2x sex	Jinmuji, Kanagawa Pref.	Mitui,1968
2n=70	2x	Dannoharu, Oita Pref.	Takei,1983b
<i>Crypsinus longisquamatus</i> (Tagawa) Tagawa			
Japanese name: Ryukyu-mitsudeuraboshi			
No information			
<i>Crypsinus veitchii</i> (Baker) Copel.			
Japanese name: Miyama-uraboshi			
n=72	4x sex	Sugadaira, Nagano Pref.; Mt.Nyugasayama, Yamanashi Pref.	Mitui,1970
<i>Crypsinus yakuiusularia</i> (Masam.) Tagawa			
Japanese name: Yakushima-uraboshi			
No information			
<i>Crypsinus yakushimensis</i> (Makino) Tagawa			
Japanese name: Hime-takanoha-uraboshi			
n=36	2x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1966a
n=36	2x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1968
n=c36	2x sex	Yakushima Isl., Kagoshima Pref.	Kurita,1972
2n=70	2x	Murotomisaki, Kochi Pref.	Takei,1983b
<i>Drymotaenium</i> Makino: $x=52$; ploidy of Japanese plants = 2x			
<i>Drymotaenium miyoshianum</i> (Makino) Makino			
Japanese name: Kuragari-shida			
2n=104	2x	Shimoina-gun, Nagano Pref.	Nakato,1990
<i>Lemmaphyllium</i> C. Presl: $x=36$; ploidy of Japanese plants = 2x			

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Lenmaphyllum microphyllum</i> C.Presl var. <i>microphyllum</i>			
Japanese name: Mame-zuta			
$n=36$	2x sex	Kuroyama, Saitama Pref.	Mitui,1967b
$n=36$	2x sex	Yugashima, Shizuoka Pref.	Mitui,1968
$2n=72$	2x	Sechihara-machi, Nagasaki Pref.	Takei,1969
$2n=72$	2x	Miyajima Isl., Hiroshima Pref.	Takei,1982b
<i>Lenmaphyllum microphyllum</i> C.Presl var. <i>obovatum</i> (Harr.) C.Chr.			
Japanese name: Ryukyu-mamezuta			
$2n=72$	2x	Amamioshima Isl., Kagoshima Pref.	Takei,1969
$2n=72$	2x	Yoronto Isl., Kagoshima Pref.	Takei,1982b
<i>Lenmaphyllum nobukoanum</i> (Makino) Ching			
Japanese name: Hime-mamezuta			
No information			
<i>Lenmaphyllum pyriforme</i> (Ching) Ching			
Japanese name: Oni-mamezuta			
No information			
<i>Lepisorus</i> (J. Sm.) Ching: $x=25, 26, 35, 37$; ploidy of Japanese plants = 2x, 3x, 4x, 6x			
<i>Lepisorus angustatus</i> Ching			
Japanese name: Nagao-nokishinobu			
$n=26$	2x sex	Kawamata, Saitama Pref.	Mitui,1968
$2n=52$	2x	Jumonji-toge, Nagano Pref.	Mitui,1975
$2n=52$	2x	Mt.Tateyama, Toyama Pref.	Takei,1982b
$n=52$	4x sex	Toyamagawa, Nagano Pref.	Mitui,1971
<i>Lepisorus annuifrons</i> (Makino) Ching			
Japanese name: Hotei-shida			
$n=35$	2x sex	Toyamagawa, Nagano Pref.	Mitui,1970
$2n=70$	2x	Hosomidani, Hiroshima Pref.	Takei,1982b
<i>Lepisorus boninensis</i> (H.Christ) Ching			
Japanese name: Hosoba-kuriharan			
$n=25$	2x sex	Chichijima Isl., Tokyo Pref.	Mitui,1973
<i>Lepisorus clathratus</i> (C.B.Clarke) Ching			
Japanese name: Toyoguchi-uraboshi			
$n=c70$	4x sex	Mt.Toyoguchiyama, Nagano Pref.	Mitui,1970
$2n=c140$	4x	Mt.Toyoguchiyama, Nagano Pref.	Mitui,1971
<i>Lepisorus hachijoensis</i> Sa.Kurata			
Japanese name: Hachijo-uraboshi			
$n=25$	2x sex	Hachijojima Isl., Tokyo Pref	Mitui,1971
<i>Lepisorus mikawanus</i> Sa.Kurata			
Japanese name: Mikawa-nokishinobu			
No information			
<i>Lepisorus oligolepidus</i> (Baker) Ching			
Japanese name: Uroko-nokishinobu			
$n=c50$	4x sex	Toyamagawa, Nagano Pref.	Mitui,1971

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Lepisorus onoei</i> (Franch. et Sav.) Ching			
Japanese name: Hime-nokishinobu			
$n=25$	2x sex	Hanno City, Saitama Pref.	Mitui,1965
$n=25$	2x sex	Mt.Ozakusan, Tochigi Pref.	Mitui,1968
$2n=50$	2x	Hatsukaichi-cho, Hiroshima Pref.	Takei,1982b
<i>Lepisorus thunbergianus</i> (Kaulf.) Ching			
Japanese name: Noki-shinobu			
$n=25, 2n=50$	2x sex	Kiyosumiyama, Chiba Pref.	Takei,1982a
$n=25$	2x sex	Hashimoto, Kanagawa Pref.	Mitui,1966a
$n=25$	2x sex	Hashimoto, Enoshima, Kamakura City, & Oyama, Kanagawa Pref.	Mitui,1966b
$n=25$	2x sex	Taura, Kanagawa Pref.	Mitui,1968
$n=25$	2x sex	Higashisakurajima, Kagoshima Pref.	Mitui,1975
$2n=50$	2x sex	Oshima Isl., Tokyo Pref.	Mitui,1971
$2n=50$	2x	Tottori City & Iwami-machi, Tottori Pref.;	Takei,1974
		Shiroyama, Ichihatayakushi & Taisya-machi, Shimane Pref.;	
		Onomichi City, Sakamachi, Kurahashi-machi, Mukoujina Isl., Itsukaichi-machi, Futsukaichi-machi, Ono-machi, & Miyajima Isl., Hiroshima Pref.;	
		Omijima Isl., Yamaguchi Pref.;	
		Mitsuhamma & Shiroyama, Ehime Pref.;	
		Yoshiragawa, Kochi Pref.;	
		Nichinankaigan, Miyazaki Pref.;	
		Mt.Kaimondake & Yakushima Isl., Kagoshima Pref.	
$2n=50$	2x sex	Oshima Isl., Tokyo Pref.	Mitui,1975
$2n=50$	2x	Wakari, Kanda-machi, & Yukuhashi City, Fukuoka Pref.;	Takei,1978
		Higashinakatsu, Usa City, Takada City, Tateishi, Aki, Kitsuki City, Honyabakei, Oda, Amagase-machi, Hita City, Yufuin-machi, Minamiyufu, Yudaira, Nukaigahara, Kasuga-machi, Dannobara, Reizan, Okajoshi, Ogi-machi, Inukai-machi, & Mie-machi, Oita Pref.	
$2n=50$	2x	Hiroshima City, Hiroshima Pref.;	Takei,1982b
		Matsuyama City, Ehime Pref.;	
		Dannoharu & Takeda City, Oita Pref.	
$2n=50$	2x	Okutama, Tokyo Pref.;	Nakato <i>et al.</i> ,1983
		Oyama & Kamakura City, Kanagawa Pref.;	
		Kashiwa City, Mitsuishiyama, Minato, Ohara, Katsuura, & Kiyosumiyama, Chiba Pref.	
$2n=50$	2x	Miyakejima Isl. & Hachijojima Isl., Tokyo Pref.;	Mitui <i>et al.</i> ,1987
		Ito, Yugashima, & Heda, Shizuoka Pref.;	
		Kaifu, Tokushima Pref.;	
		Kumamoto City, Kumamoto Pref.;	
		Yakushima Isl., Kagoshima Pref.;	
		Iriomotejima Isl., Okinawa Pref.	
$2n=50$	2x sex	Oyama, Kanagawa Pref.;	Masuyama <i>et al.</i> ,1987
		Yugashima, Shizuoka Pref.	
$2n=50$	2x	Oita City, Oita Pref.	Takei,1988c
$2n=50$	2x	No locality given	Takei,1989
$2n=50$	2x	No locality given	Mitui <i>et al.</i> ,1989b
$2n=51$	2x	Oyama, Kanagawa Pref.	Nakato <i>et al.</i> ,1983
$2n=51$	2x	No locality given	Mitui <i>et al.</i> ,1989b
$2n=75$	3x	Itsukaichi-machi, Hiroshima Pref.	Takei,1974
$2n=75$	3x	Okutama, Tokyo Pref.	Nakato <i>et al.</i> ,1983
$2n=75$	3x	No locality given	Mitui <i>et al.</i> ,1989b
$(2n=75)$	3x irr	Kawai, Tokyo Pref.	Mitui,1968

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
2n=76	3x	Kamakura City, Kanagawa Pref.; Mitsuishiyama & Minato, Chiba Pref.	Nakato <i>et al.</i> ,1983
2n=76	3x	No locality given	Mitui <i>et al.</i> ,1989b
n=50	4x sex	Hanno City, Saitama Pref.	Mitui,1965
n=50	4x sex	Kawamata, Saitama Pref.; Otaba, Tokyo Pref.	Mitui,1966b
n=50	4x sex	Kawai, Tokyo Pref.	Mitui,1968
n=50	4x sex	Shinshiro, Aichi Pref.	Mitui,1971
n=50	4x sex	Shibata, Niigata Pref.	Mitui,1975
2n=100	4x	Ikimaeshima Isl. & Yamaguchi-machi, Shimane Pref.; Fuchu-cho, Asa-machi, Koi-machi, Yamada-machi, Yoshiwa-mura, Yuki-machi, & Hatsukaichi-machi, Hiroshima Pref.; Omogakyo, Ehime Pref.	Takei,1974
2n=100	4x	Yabakei-machi, Sikakura, Oda, Amagase-machi, Yufuin-machi, Minamiyufu, & Yunodaira, Oita Pref.	Takei,1978
2n=100	4x	Ashiyasu-mura, Yamanashi Pref.; Yasufuruichi, Hiroshima Pref.; Yabakei, Oita Pref.	Takei,1982b
2n=100	4x	Tomioka City, Gunma Pref.; Yorii, Saitama Pref.; Okutama, Tokyo Pref.; Oyama & Kamakura City, Kanagawa Pref.; Kashiwa City & Minato, Chiba Pref.	Nakato <i>et al.</i> ,1983
2n=100	4x	Akita City, Akita Pref.; Ohtaba & Itsukaichi, Tokyo Pref.; Mt.Daisen, Tottori Pref.	Mitui <i>et al.</i> ,1987
2n=100	4x	No locality given	Mitui <i>et al.</i> ,1989b
2n=101	4x	Okutama, Tokyo Pref.; Oyama, Kanagawa Pref.	Nakato <i>et al.</i> ,1983
2n=101	4x	Ikawa, Akita Pref.	Mitui <i>et al.</i> ,1987
2n=101	4x	No locality given	Mitui <i>et al.</i> ,1989b
2n=102	4x	Asa-machi & Yuki-machi, Hiroshima Pref.	Takei,1974
2n=102	4x	Shinyabakei, Hosenji, & Uchiyama, Oita Pref.	Takei,1978
2n=102	4x	Hosenji, Oita Pref.	Takei,1982b
2n=102	4x	Yorii, Saitama Pref.; Okutama, Tokyo Pref.; Oyama, Kanagawa Pref.; Minato, Chiba Pref.	Nakato <i>et al.</i> ,1983
2n=102	4x	Juniko, Aomori Pref.; Ikawa & Akita City, Akita Pref.; Yahiko & Wajima, Niigata Pref.	Mitui <i>et al.</i> ,1987
2n=102	4x	No locality given	Mitui <i>et al.</i> ,1989b
2n=103	4x	Ikawa, Akita Pref.	Mitui <i>et al.</i> ,1987
2n=103	4x	No locality given	Mitui <i>et al.</i> ,1989b

***Lepisorus tosaensis* (Makino) H.Itô**

Japanese name: Tsukushi-nokishinobu

n=75 6x sex Danto, Kumamoto Pref. Mitui,1971

***Lepisorus uchiyamae* (Makino) H.Itô**

Japanese name: Ko-uraboshi

(2n=95), 2n=95 3x irr Matsuzaki, Shizuoka Pref. Mitui,1971

n=70 4x sex Takisawa, Shizuoka Pref. Mitui,1971

***Lepisorus ussuriensis* (Regel et Maack) Ching var. *distans* (Makino) Tagawa**

Japanese name: Miyama-nokishinobu

n=35 2x sex Mameyakizawa, Saitama Pref. Mitui,1968

2n=70 2x Mt.Otake, Tokyo Pref. Nakato,1987b

2n=74 2x Omoga-mura, Ehime Pref. Takei,1982b

***Leptochilus* Kaulf.: x=36 (non-Japanese species); ploidy of Japanese plant = 4x**

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Leptochilus decurrens</i> Blume			
Japanese name: Okino-kuriharan <i>n</i> =70	4x sex	Hahajima Isl., Tokyo Pref.	Mitui,1973
<i>Loxogramme</i> (Blume) C. Presl: $x=35$; ploidy of Japanese plants = 2x, 3x			
<i>Loxogramme boninensis</i> Nakai			
Japanese name: Munin-sajiran <i>n</i> =35	2x sex	Chichijima Isl., Tokyo Pref.	Mitui,1973
<i>Loxogramme duclouxii</i> H.Christ			
Japanese name: Saji-ran <i>n</i> =70	4x sex	Sawadani, Tokushima Pref.	Mitui,1966a
<i>n</i> =70	4x sex	Sawadani, Tokushima Pref.	Mitui,1968
<i>Loxogramme grammitoides</i> (Baker) C.Chr.			
Japanese name: Hime-sajiran No information			
<i>Loxogramme salicifolia</i> (Makino) Makino			
Japanese name: Iwayanagi-shida <i>n</i> =35	2x sex	Mt.Yadake, Kumamoto Pref.	Mitui,1965
<i>n</i> =35	2x sex	Mt.Yadake, Kumamoto Pref.	Mitui,1968
<i>n</i> =35	2x sex	Okinawajima Isl., Okinawa Pref.	Mitui,1976a
<i>Microsorium</i> Link: $x=36, 37$; ploidy of Japanese plants = 2x, 3x, 4x			
<i>Microsorium buergerianum</i> (Miq.) Ching			
Japanese name: Nukaboshi-kuriharan $2n=108$	3x	Cultivated in Hiroshima Univ.	Takei,1983a
$2n=144$	4x	Amamioshima Isl., Kagoshima Pref.	Takei,1983a
<i>Microsorium dilatatum</i> (Bedd.) Sledge			
Japanese name: Hokozaki-uraboshi <i>n</i> =36	2x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1966a
<i>n</i> =36	2x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1968
$2n=72$	2x	Amamioshima Isl., Kagoshima Pref.	Takei,1983a
<i>Microsorium fortunei</i> (T.Moore) Ching			
Japanese name: O-kuriharan <i>n</i> =37	2x sex	Chichijima Isl., Tokyo Pref.	Mitui,1973
<i>Microsorium pteropus</i> (Blume) Copel.			
Japanese name: Mitsude-herashida <i>n</i> =72	4x sex	Iriomotejima Isl., Okinawa Pref.	Kurita,1976
<i>Microsorium rubidum</i> (Kunze) Copel.			
Japanese name: Taka-uraboshi No information			
<i>Microsorium scolopendria</i> (Burm.f.) Copel.			
Japanese name: Okinawa-uraboshi <i>n</i> =36	2x sex	Iriomotejima Isl., Okinawa Pref.	Mitui,1976a

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Microsorium superficiale</i> (Blume) Ching			
Japanese name: Hahajima-nukaboshi			
No information			
<i>Neocheiropteris</i> H. Christ: $x=36$ (non-Japanese species); ploidy of Japanese plants = $3x, 4x$			
<i>Neocheiropteris ensata</i> (Thunb.) Ching var. <i>ensata</i> f. <i>ensata</i>			
Japanese name: Kuri-ha-ran			
$n=72$	$4x$ sex	Owase, Mie Pref.	Mitui,1967b
$n=72$	$4x$ sex	Cultivated in Tokyo Univ. of Education	Mitui,1968
$2n=142$	$4x$	Usa City, Oita Pref.	Takei,1983a
$2n=144$	$4x$	Shimokanda, Sumidoko, & Takatori, Oita Pref.	Takei,1988a
<i>Neocheiropteris ensata</i> (Thunb.) Ching var. <i>ensata</i> f. <i>monstrifera</i> (Tagawa) Tagawa			
Japanese name: Tsunodashi-kuriharan			
No information			
<i>Neocheiropteris ensata</i> (Thunb.) Ching var. <i>izuensis</i> Sa.Kurata et Seriz.			
Japanese name: Izu-kuriharan			
No information			
<i>Neocheiropteris ensata</i> (Thunb.) Ching var. <i>platyphylla</i> Tagawa			
Japanese name: Hiroha-kuriharan			
$2n=108$	$3x$	Takase, Kamikanda, & Sano, Oita Pref.	Takei,1988a
<i>Neocheiropteris subhastata</i> (Baker) Tagawa			
Japanese name: Yanone-shida			
$(2n=144), 2n=144$	$4x$ apo	Kamifukawa, Hiroshima Pref.	Takei,1983a
<i>Polypodium</i> L.: $x=36, 37$; ploidy of Japanese plants = $2x, 3x, 4x$			
<i>Polypodium amamiannum</i> Tagawa			
Japanese name: Amami-aonekazura			
$n=36, 2n=72$	$2x$ sex	Amamioshima Isl., Kagoshima Pref.	Shimura <i>et al.</i> ,1980
<i>Polypodium fauriei</i> H.Christ			
Japanese name: Oshaguji-denda			
$n=37$	$2x$ sex	Mt.Gozenyama, Tokyo Pref.	Mitui,1965
$n=37$	$2x$ sex	Mt.Gozenyama, Tokyo Pref.	Mitui,1968
$n=37$	$2x$ sex	Sekiyama, Niigata Pref.	Mitui,1975
$2n=74$	$2x$	Yahatakogen, Hiroshima Pref.	Takei,1982a
<i>Polypodium formosanum</i> Baker			
Japanese name: Taiwan-aonekazura			
$n=37$	$2x$ sex	Cultivated in Tokyo Univ. of Education	Mitui,1968
$2n=72$	$2x$	Yakushima Isl., Kagoshima Pref.	Nakato,1988
<i>Polypodium niponicum</i> Mett.			
Japanese name: Aone-kazura			
$n=37$	$2x$ sex	Misakubo, Shizuoka Pref.	Kurita,1967a
$2n=72$	$2x$	Ugakyō, Hiroshima Pref.	Takei,1982a
<i>Polypodium someyae</i> Yatabe var. <i>awaense</i> Tagawa			
Japanese name: Awa-myogishida			
No information			

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Polypodium someyae</i> Yatabe var. <i>someyae</i>			
Japanese name: Myogi-shida <i>n</i> =37	2x sex	Haruno-cho, Shizuoka Pref.	Shimura <i>et al.</i> ,1980
<i>Polypodium</i> × <i>takuhinum</i> Shimura			
Japanese name: Takuhi-denda (2 <i>n</i> =111), 2 <i>n</i> =111	3x irr	Okinoshima Isl., Shimane Pref.	Shimura <i>et al.</i> ,1980
<i>Polypodium virginianum</i> L.			
Japanese name: Ezo-denda <i>n</i> =37	2x sex	Antaroma, Hokkaido Pref.	Kurita,1963a
<i>Polypodium vulgare</i> L.			
Japanese name: O-ezodenda <i>2n</i> =74	2x	Mt.Daisetsuzan, Hokkaido Pref.	Takei,1982a
<i>n</i> =74	4x sex	Okinoshima Isl., Shimane Pref.	Evans,1963
<i>n</i> =74	4x sex	Okinoshima Isl., Shimane Pref.	Shimura <i>et al.</i> ,1980
<i>Pyrrosia</i> Mirb.: $x=36, 37$; ploidy of Japanese plants = 2<i>x</i>			
<i>Pyrrosia aduascens</i> (Sw.) Ching			
Japanese name: Hitotsuba-mamezuta No information			
<i>Pyrrosia angustissima</i> (Giesenh. ex Diels) Tagawa et K.Iwats.			
Japanese name: Hitotsuba-nokishinobu No information			
<i>Pyrrosia davidii</i> (Giesenh.) Ching			
Japanese name: Iwadare-hitotsuba No information			
<i>Pyrrosia hastata</i> (Thunb. ex Houtt.) Ching			
Japanese name: Iwa-omodaka <i>2n</i> =74	2x	Taisyakukyo, Hiroshima Pref.	Takei,1983a
<i>Pyrrosia linearifolia</i> (Hook.) Ching			
Japanese name: Birodo-shida <i>n</i> =37	2x sex	Izuhara, Tokushima Pref.	Mitui,1966a
<i>n</i> =37	2x sex	Izuhara, Tokushima Pref.	Mitui,1968
<i>2n</i> =72	2x	Tojo-cho, Hiroshima Pref.	Takei,1969
<i>2n</i> =72	2x	Miyajima Isl., Hiroshima Pref.	Takei,1983a
<i>Pyrrosia lingua</i> (Thunb.) Farw.			
Japanese name: Hitotsu-ba <i>2n</i> =72	2x	Ujina, Hiroshima Pref.	Takei,1969
<i>2n</i> =72	2x	Ujina, Hiroshima Pref.	Takei,1983a
PSILOTACEAE			
<i>Psilotum</i> Sw.: $x=52$; ploidy of Japanese plants = 2<i>x</i>, 4<i>x</i>			
<i>Psilotum nudum</i> (L.) P.Beauv.			
Japanese name: Matsubaran <i>n</i> =52	2x	No locality given	Okabe,1929

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
$n=52$	$2x$	Ashizurimisaki, Kochi Pref.	Mitui,1975
$n=52$	$2x$	Ishigakijima Isl. & Iriomotejima Isl., Okinawa Pref.	Mitui,1976a
$n=104$	$4x$	No locality given	Okabe,1929
$n=104$	$4x$	Hahajima Isl., Tokyo Pref.	Mitui,1973

PTERIDACEAE

***Acrostichum* L.: $x=30$ (non-Japanese species); ploidy of Japanese plant = $4x$**

Acrostichum aureum L.

Japanese name: Mimimochi-shida

$2n=120$	$4x$	Iriomotejima Isl., Okinawa Pref.	Kawakami,1980
$2n=119$	$4x$	Iriomotejima Isl., Okinawa Pref.	Nakato,1996

***Pteris* L.: $x=29$; ploidy of Japanese plants = $2x, 3x, 4x$**

Pteris × *austroligoensis* Sa.Kurata

Japanese name: Nanpi-inomotoso

No information

Pteris boninensis H.Ohba

Japanese name: Ogasawara-hachijoshida

$n=29$	$2x$ sex	Hahajima Isl., Tokyo Pref.	Mitui,1973
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Pteris cadieri H.Christ

Japanese name: Kawariba-amakusashida

$n=87$	$3x$ apo	Iriomotejima Isl., Okinawa Pref.	Mitui,1976a
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Pteris × *calcareae* Sa.Kurata

Japanese name: Itsuki-inomotoso

No information

Pteris cretica L.

Japanese name: Oba-no-inomotoso

$n=58, 2n=58$	$2x$ apo	Sawai, Tokyo Pref.	Nakato,1975
$2n=58$	$2x$ apo	No locality given	Walker,1962
$2n=58$	$2x$ apo	Sawai, Tokyo Pref.	Nakato,1975
$2n=58$	$2x$ apo	Matsushima, Miyagi Pref.; Iwaki, Fukushima Pref.; Kitaibaraki, Mt.Tsukubasan, & Sawara, Ibaraki Pref.; Awano, Tochigi Pref.; Yoshii, Tomioka, & Mt.Myogyama, Gunma Pref.; Sayama-kyuryo, Ozawa-toge, Naguri, Kamiizumi, Nagatoro, & Kamikawa, Saitama Pref.; Koganei, Mt.Takaosan, Itsukaichi, Hachioji, Okutama, Ohme, & Hinohara, Tokyo Pref.; Kiyosumiyama, Sakura, Narita City, Godai, & Tateyama, Chiba Pref.; Doshi, Uenohara, & Otsuki, Yamanashi Pref.; Yugawara, Jinmuji, Sagamiko, Oyama, & Kannonzaki, Kanagawa Pref.; Kawazu, Yugashima, & Misakubo, Shizuoka Pref.; Inuyama, Aichi Pref.; Fujiwara & Nabari, Mie Pref.; Ouda & Koyasan, Nara Pref.; Tottori City, Tottori Pref.; Izumo City, Shimane Pref.; Mt.Shibisan & Okuchi City, Kagoshima Pref.	Nakato,1989b
$2n=59$	$2x$ apo	Kawazu, Shizuoka Pref.	Nakato,1989b

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
2n=58	2x apo	Yoshima-machi, Fukushima Pref.; Kanasana, Saitama Pref.; Mt.Mitake, Tokyo Pref.; Yugawara-machi & Yokokawa, Shizuoka Pref.; Mt.Fujiwaradake & Kotsu, Mie Pref.; Ikura, Okayama Pref.; Mononobe-machi, Kochi Pref.; Mt.Raizan & Mt.Kawareichinotake, Fukuoka Pref.; Onagara, Oita Pref.*	Suzuki & Iwatsuki,1990
2n=58	2x	Amagase-machi, Oita Pref.	Takei,1991
n=87	3x apo	Hitoyoshi City, Kumamoto Pref.	Mitui,1965
n=87	3x apo	Hitoyoshi City, Kumamoto Pref.	Mitui,1968
2n=87	3x apo	No locality given	Walker,1962
2n=87	3x apo	Kashima, Ibaraki Pref.; Kamikawa, Saitama Pref.; Mt.Takaosan, Tokyo Pref.; Kiyosumiya, Chiba Pref.; Sagamiko & Oyama, Kanagawa Pref.; Kawazu, Yugashima, Atami City, Ajiro, & Ashikubo, Shizuoka Pref.; Fujiwara, Mie Pref.; Eihei, Fukui Pref.; Kotohira, Kagawa Pref.; Muroto, Kochi Pref.	Nakato,1989b
2n=87	3x apo	Kanasana, Saitama Pref.; Mt.Mitake, Tokyo Pref.; Godai, Honzawa, & Kakibara, Chiba Pref.; Oyama, Kanagawa Pref.; Mt.Fujiwaradake, Mie Pref.; Oda-machi, Nara Pref.; Ikura, Okayama Pref.; Yagawa, Ehime Pref.; Yobuno & Mt.Kawareichinotake, Fukuoka Pref.; Shiraiwato & Iwatoshonyudo, Kumamoto Pref.; Mt.Shibisan, Kagoshima Pref.*	Suzuki & Iwatsuki,1990

***Pteris deltodon* Baker**

Japanese name: Kumagawa-inomotoso

No information

***Pteris dispar* Kunze**

Japanese name: Amakusa-shida

n=29	2x sex	Amamioshima Isl., Kagoshima Pref.	Mitui,1967b
n=29	2x sex	Amamioshima Isl., Kagoshima Pref.	Mitui,1968
n=29	2x sex	Iriomotejima Isl., Okinawa Pref.	Mitui,1976a
2n=58	2x sex	Amamioshima Isl., & Tokunoshima Isl., Kagoshima Pref.; Okinawajima Isl., Okinawa Pref.	Nakato,1981
2n=58	2x sex	No locality given	Walker,1962
2n=116	4x	Kurahashi Isl., Hiroshima Pref.	Kawakami,1979
2n=116	4x sex	Kiyosumiya, Chiba Pref.; Kozushima Isl. & Miyakejima Isl., Tokyo Pref.; Ajro, Kawazu, & Ashikubo, Shizuoka Pref.; Honnagashino, Aichi Pref.; Katano & Kyoshi, Osaka Pref.; Awajishima Isl., Hyogo Pref.; Kushimoto, Wakayama Pref.; Ube, Yamaguchi Pref.; Yasu & Kubotsu, Kochi Pref.; Tsukushino, Fukuoka Pref.; Kunimi & Tahira, Nagasaki Pref.; Kokonose, Oita Pref.; Osakama & Yunotsuru, Kumamoto Pref.; Tano, Miyazaki Pref.; Kagoshima City, Sakurajima, Ei, Tanegahima Isl., & Yakushima Isl., Kagoshima Pref.	Nakato,1981

***Pteris ensiformis* Burn.f.**

Japanese name: Hoko-shida

n=58	4x sex	Iriomotejima Isl., Okinawa Pref.	Mitui,1976a
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* The locality names were not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Pteris excelsa</i> Gaudich. var. <i>excelsa</i>			
Japanese name: Oba-no-hachijoshida			
<i>n</i> =29	2x sex	Kiyosumiyama, Chiba Pref.	Mitui,1965
<i>n</i> =29	2x sex	Kiyosumiyama, Chiba Pref.	Mitui,1968
<i>n</i> =29	2x sex	Yugashima, Shizuoka Pref.	Kurita,1967a
2 <i>n</i> =58	2x sex	Yugaura, Kanagawa Pref.; Yugashima & Misakubo, Shizuoka Pref.; Eiheiji, Fukui Pref.; Kifune, Kyoto Pref.; Fuke, Kagoshima Pref.	Nakato,1976
2 <i>n</i> =58	2x apo	Tsukushiabakei & Kourasan, Fukuoka Pref.; Michinoo, Nagasaki Pref.; Mt.Boroishiyama, Miyazaki Pref.	Nakato,1976
2 <i>n</i> =58	2x	Uga, Hiroshima Pref.	Kawakami,1971
2 <i>n</i> =58	2x	Hiroshima City, Hiroshima Pref.	Kawakami,1980
2 <i>n</i> =58	2x	Muramatsu, Niigata Pref.	Mitui,1986
<i>n</i> =87, 2 <i>n</i> =87	3x apo	Ashikubo, Shizuoka Pref.	Nakato,1976
2 <i>n</i> =87	3x apo	Kawazu, Shizuoka Pref.; Matsugami, Tottori Pref.; Yunotsuru, Kumamoto Pref.	Nakato,1976
<i>Pteris excelsa</i> Gaudich. var. <i>simplior</i> (Tagawa) W.C.Shieh			
Japanese name: Oba-no-amakusashida			
No information			
<i>Pteris fauriei</i> Hieron.			
Japanese name: Hachijo-shida			
<i>n</i> =29	2x sex	Iriomotejima Isl., Okinawa Pref.	Mitui,1976a
2 <i>n</i> =58	2x sex	Hachijojima Isl., Tokyo Pref.; Iriomotejima Isl, Okinawa Pref.	Nakato,1990
<i>n</i> =c87, 2 <i>n</i> =87	3x apo	No locality given	Walker,1962
<i>n</i> =87	3x apo	Yakushima Isl., Kagoshima Pref.	Mitui,1966a
<i>n</i> =87	3x apo	Yakushima Isl., Kagoshima Pref.	Mitui,1968
2 <i>n</i> =87	3x	Amamioshima Isl., Kagoshima Pref.	Kawakami,1980
2 <i>n</i> =87	3x apo	Hachijojima Isl., Tokyo Pref.; Yakushima Isl. & Amamioshima Isl., Kagoshima Pref.	Nakato,1990
2 <i>n</i> =89	3x apo	Miyakejima Isl., Tokyo Pref.	Nakato,1990
<i>Pteris formosana</i> Baker			
Japanese name: Taiwan-amakusashida			
No information			
<i>Pteris grevilleana</i> Wall. ex J.Agardh			
Japanese name: Ashigata-shida			
2 <i>n</i> =58	2x apo	Yakushima Isl., Kagoshima Pref.	Nakato,1990
<i>Pteris kawabatae</i> Sa.Kurata			
Japanese name: Kawabata-hachijoshida			
No information			
<i>Pteris kidoi</i> Sa.Kurata			
Japanese name: Kido-inomotoso			
2 <i>n</i> =58	2x sex	Taisho-do, Yamaguchi Pref.; Furen-do, Oita Pref.	Nakato,1988
2 <i>n</i> =58	2x sex	Onagara, Oita Pref.; Iwatoshonyudo, Kumamoto Pref.*	Suzuki & Iwatsuki,1990

* The locality names were not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Pteris kiuschiuensis</i> Hieron.			
Japanese name: Nishi-no-ko-hachijoshida			
<i>n</i> =58	2x apo	Nachi, Wakayama Pref.	Kurita,1962
<i>n</i> =58	2x apo	Cultivated in Tokyo Univ. of Education	Mitui,1968
2 <i>n</i> =87	3x apo	No locality given	Walker,1962
<i>Pteris laurisilvicola</i> Sa.Kurata			
Japanese name: Ai-ko-hachijoshida			
<i>n</i> =58	2x apo	Ashikubogawa, Shizuoka Pref.	Shimura,1980
2 <i>n</i> =58	2x apo	Mt.Boroishiyama, Miyazaki Pref.; Aira, Kagoshima Pref.	Nakato,1996
2 <i>n</i> =87	3x	Mt.Boroishiyama, Miyazaki Pref.	Nakato,1996
<i>Pteris</i> × <i>matsumotoi</i> Sa.Kurata			
Japanese name: Kashiwagi-inomotoso			
No information			
<i>Pteris multifida</i> Poir.			
Japanese name: Inomoto-so			
<i>n</i> =58, 2 <i>n</i> =116	4x sex	Sawai, Tokyo Pref.	Nakato,1975
<i>n</i> =40		No locality given	Yuasa,1941
<i>n</i> =58	4x sex	Cultivated in Tokyo Univ. of Education	Mitui,1965
<i>n</i> =58	4x sex	Cultivated in Tokyo Univ. of Education	Mitui,1968
2 <i>n</i> =116	4x sex	No locality given	Walker,1962
2 <i>n</i> =116	4x sex	Sawai & Itsukaichi, Tokyo Pref.	Nakato,1975
2 <i>n</i> =116	4x sex	Aichi Pref.	Kawakami <i>et al.</i> ,1995
<i>Pteris nakasimae</i> Tagawa			
Japanese name: Hinotani-shida			
No information			
<i>Pteris</i> × <i>namegatae</i> Sa.Kurata			
Japanese name: Ibusuki-inomotoso			
No information			
<i>Pteris natiensis</i> Tagawa			
Japanese name: Yawara-hachijoshida			
<i>n</i> =58	2x apo	Nachi, Wakayama Pref.	Kurita,1962
<i>Pteris nipponica</i> W.C.Shieh			
Japanese name: Matsuzaka-shida			
<i>n</i> =87	3x apo	Uchiurayama, Chiba Pref.*	Kurita,1966a
<i>n</i> =87	3x apo	Cultivated in Botanical Garden, Univ. of Tokyo	Mitui,1966a
<i>n</i> =87	3x apo	Cultivated in Tokyo Univ. of Education	Mitui,1975
<i>Pteris oshimensis</i> Hieron.			
Japanese name: Hachijoshida-modoki			
2 <i>n</i> =58	2x apo	Owase, Mie Pref.; Mt.Boroishiyama, Miyazaki Pref.; Mt.Shibisan, Kagoshima Pref.	Nakato,1996
<i>n</i> =87	3x apo	Amamioshima Isl., Kagoshima Pref.	Mitui,1967b
<i>n</i> =87	3x apo	Amamioshima Isl., Kagoshima Pref.	Mitui,1968

* The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Pteris × otomasui</i> Sa.Kurata			
Japanese name: Otomasu-inomotoso			
No information			
<i>Pteris ryukyuensis</i> Tagawa			
Japanese name: Ryukyu-inomotoso			
n=58	4x sex	Amamioshima Isl., Kagoshima Pref.	Mitui,1967b
n=58	4x sex	Amamioshima Isl., Kagoshima Pref.	Mitui,1968
n=58	4x sex	Okinawajima Isl., Okinawa Pref.	Mitui,1976a
<i>Pteris × sefuricola</i> Sa.Kurata			
Japanese name: Sefuri-inomotoso			
(2n=116), 2n=116	4x irr	Sawai, Tokyo Pref.	Nakato,1975
<i>Pteris semipinnata</i> L.			
Japanese name: O-amakusashida			
n=58	4x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1966a
n=58	4x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1968
2n=116	4x	Okinoerabujima Isl., Kagoshima Pref.	Kawakami,1971
2n=116	4x	Okinoerabujima Isl., Kagoshima Pref.	Kawakami,1979
<i>Pteris setuloso-costulata</i> Hayata			
Japanese name: Toge-hachijoshida			
n=87	3x apo	Yakushima Isl., Kagoshima Pref.	Mitui,1966a
n=87	3x apo	Yakushima Isl., Kagoshima Pref.	Mitui,1968
<i>Pteris tokioi</i> Masam.			
Japanese name: Hikage-amakusashida			
n=58	4x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1967b
n=58	4x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1968
<i>Pteris vittata</i> L.			
Japanese name: Moejima-shida			
n=58, 2n=116	4x sex	Oita Pref.	Kurita,1963a
n=58	4x sex	Okinawajima Isl., Okinawa Pref.	Mitui,1976a
<i>Pteris wallichiana</i> J.Agardh			
Japanese name: Nachi-shida			
n=29	2x sex	Nachi, Wakayama Pref.	Kurita,1962
n=29	2x sex	Mt.Shibisan, Kagoshima Pref.	Mitui,1968
n=29	2x sex	Okinawajima Isl., Okinawa Pref.	Mitui,1976a
2n=58	2x sex	No locality given	Walker,1962
2n=58	2x	Yakushima Isl., Kagoshima Pref.	Kawakami,1971
2n=58	2x	Yakushima Isl., Kagoshima Pref.	Kawakami,1980
<i>Pteris yamatensis</i> (Tagawa) Tagawa			
Japanese name: Hime-inomotoso			
2n=c116	4x sex	No locality given	Walker,1962

SALVINIACEAE

***Salvinia* Sèg.: x=9; ploidy of Japanese plants = 2x**

***Salvinia natans* (L.) All.**

Japanese name: Sansyo-mo

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
$n=8, 2n=16$	2x sex	No locality given	Yasui,1910
$n=8, 2n=16$	2x sex	No locality given	Yasui,1911
$n=9, 2n=18$	2x sex	Chujo, Okayama Pref.	Tatuno & Takei,1969
$(2n=18), 2n=18$	2x irr	Gion-machi, Hiroshima Pref.; Yamarishi-machi, Ehime Pref.	Tatuno & Takei,1970

SCHIZAEACEAE

Lygodium Sw.: $x=29, 30$; ploidy of Japanese plants = $2x, 4x$

Lygodium japonica (Thunb.) Sw.

Japanese name: Kani-kusa

$2n=58$	2x	Amamioshima Isl., Kagoshima Pref.	Nakato,1990
$n=58$	4x sex	Hitoyoshi City, Kumamoto Pref.	Mitui,1965
$n=58$	4x sex	Kikugawa, Shizuoka Pref.*	Kurita,1967b
$n=58$	4x sex	Hitoyoshi City, Kumamoto Pref.	Mitui,1968

Lygodium microphyllum (Cav.) R.Br.

Japanese name: Iriomote-shamisen-zuru

$n=c30$	2x sex	Iriomotejima Isl., Okinawa Pref.	Mitui,1976a
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Schizaea Sm.: $x=?$; ploidy of Japanese plant = ?

Schizaea dichotoma (L.) Sm.

Japanese name: Kanzashi-warabi

No information

Schizaea digitata (L.) Sw.

Japanese name: Fusa-shida

$n=140$? sex	Chichijima Isl., Tokyo Pref.	Mitui,1973
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SELAGINELLACEAE

Selaginella P. Beauv.: $x=8, 9, 10$; ploidy of Japanese plants = $2x, 4x$

Selaginella biformis A.Br. ex Kuhn

Japanese name: Tsuru-katahiba

$2n=20$	2x	Okinawajima Isl., Okinawa Pref.	Takamiya,1993a
$2n=20$	2x	No locality given	Takamiya,1994

Selaginella boninensis Baker

Japanese name: Hiba-goke

$2n=16$	2x	Ototojima Isl., Chichijima Isl., & Hahajima Isl., Tokyo Pref.	Takamiya,1993a
$2n=16$	2x	No locality given	Takamiya,1994

Selaginella doederleinii Hieron

Japanese name: Oni-kuramagoke

$2n=18$	2x	Yakushima Isl. & Amamioshima Isl., Kagoshima Pref.; Okinawajima, Isl. & Iriomotejima Isl., Okinawa Pref.	Takamiya,1993a
$2n=18$	2x	No locality given	Takamiya,1994

* The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Selaginella helvetica</i> (L.) Link			
Japanese name: Ezo-no-hime-kuramagoke			
2n=18	2x	Mt.Tanigawadake, Gunma Pref.	Takamiya,1993a
2n=18	2x	No locality given	Takamiya,1994
<i>Selaginella heterostachys</i> Baker			
Japanese name: Hime-kuramagoke			
2n=32	4x	Futamatase, Kozimayuka, & Mt.Gagyusan, Okayama Pref.; Ugakyo, Sedani, & Miyajima Isl., Hiroshima Pref.; Mt.Taka, Takasekumazaka-toge, & Takasesakiyama, Yamaguchi Pref.; Ushikubi, Fukuoka Pref.; Shinyabakei, Oita Pref.; Mt.Kitamukiyama, Chibajo-machi, Tatsutayama, Mt.Konpirayama, Kanaji, Kowara, Aizu, Otani, & Mt.Kuradake, Kumamoto Pref.	Takamiya,1993a
2n=32	4x	No locality given	Takamiya,1994
<i>Selaginella involvens</i> (Sw.) Spring			
Japanese name: Kata-hiba			
2n=20	2x	Mitsuishiyama, Chiba Pref.; Mt.Shimoyoshi, Fukui Pref.; Oshimagawa, Aichi Pref.; Asahikawa-Dam, Okayama Pref.; Ugakyo, Hiroshima Pref.; Kankakekei, Kagawa Pref.; Shinyabakei, Oita Pref.; Mt.Kitamukiyama, Kikuchi-keikoku, Naidaijin, Kejono, Sendantodoroki, & Mt.Ichifusayama, Kumamoto Pref.; Yakushima Isl., Kagoshima Pref.	Takamiya,1993a
2n=20	2x	No locality given	Takamiya,1994
<i>Selaginella leptophylla</i> Baker			
Japanese name: Koke-katahiba			
No information			
<i>Selaginella limbata</i> Alston			
Japanese name: Amami-kuramagoke			
2n=18	2x	Amamioshima Isl., Kagoshima Pref.	Takamiya,1993a
2n=18	2x	No locality given	Takamiya,1994
<i>Selaginella hutchuensis</i> Koidz.			
Japanese name: Hime-mukade-kuramagoke			
2n=18	2x	Torikoshi, Yakushima Isl., & Amamioshima Isl., Kagoshima Pref.; Okinawajima Isl., Okinawa Pref.	Takamiya,1993a
2n=18	2x	No locality given	Takamiya,1994
<i>Selaginella moellendorffii</i> Hieron			
Japanese name: Inu-katahiba			
2n=20	2x	Hanabata-machi, Kumamoto Pref.; Iriomotejima Isl, Okinawa Pref.	Takamiya,1993a
2n=20	2x	No locality given	Takamiya,1994
<i>Selaginella nipponica</i> Franch. et Sav.			
Japanese name: Tachi-kuramagoke			
2n=18	2x	Korakuen, Okayama Pref.; Kankakekei, Kagawa Pref.; Aizu, Chibajo-machi, Tatsutayama, Kengun-machi, & Funatsu, Kumamoto Pref.; Takanabemachi, Miyazaki Pref.	Takamiya,1993a
2n=18	2x	No locality given	Takamiya,1994

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Selaginella remotifolia</i> Spring			
Japanese name: Kurama-goke			
2n=20	2x	Mt.Tsukubasan & Bukkokuji, Ibaraki Pref.; Mitsuishiyama & Kiyosunoyama, Chiba Pref.; Komaki, Ishikawa Pref.; Minamirokuroshi, Fukui Pref.; Tabe & Ashikawa-Dam, Okayama Pref.; Ugakyo & Sedani, Hiroshima Pref.; Iwakuni City, Mt.Takasesaki & Nogamiue, Yamaguchi Pref.; Yonakunijima Isl., Okinawa Pref.	Takamiya,1993a
2n=20	2x	No locality given	Takamiya,1994
<i>Selaginella selaginoides</i> (L.) Link			
Japanese name: Koke-sugiran			
2n=18	2x	Mt.Tanigawadake, Gunma Pref.	Takamiya,1993a
2n=18	2x	No locality given	Takamiya,1994
<i>Selaginella shakotanensis</i> (Franch. ex H.Takeda) Miyabe et Kudô			
Japanese name: Himo-kazura			
No information			
<i>Selaginella sibirica</i> (Milde) Hieron.			
Japanese name: Ezo-no-himokazura			
No information			
<i>Selaginella tama-montana</i> Seriz.			
Japanese name: Yama-kuramagoke			
2n=18	2x	Mt.Myogiyama, Gunma Pref.	Takamiya,1993a
2n=18	2x	No locality given	Takamiya,1994
<i>Selaginella tamariscina</i> (P.Beauv.) Spring			
Japanese name: Iwa-hiba			
2n=20	2x	Mt.Tanigawadake & Mt.Myogiyama, Gunma Pref.; Hashizume, Fukui Pref.; Oshimagawa, Aichi Pref.; Futamatase, Okayama Pref.; Kankakekei, Kagawa Pref.; Futae-toge, Mt.Misumidake, & Mt.Taromaru, Kumamoto Pref.; Mitate, Miyazaki Pref.; Shinyabakei, Oita Pref.	Takamiya,1993a
2n=20	2x	No locality given	Takamiya,1994
<i>Selaginella uncinata</i> (Desv.) Spring			
Japanese name: Konteri-kuramagoke			
2n=18	2x	Shakujidai, Tokyo Pref.; Tsukuba City, Ibaraki Pref.; Hiroshima City, Hiroshima Pref.; Kumamoto City, Kumamoto Pref.	Takamiya,1993a
2n=18	2x	No locality given	Takamiya,1994

THELYPTERIDACEAE

***Stegnoqramma* Blume: $x=36$; ploidy of Japanese plants = 2x, 8x**

***Stegnoqramma griffithii* (T.Moore) K.Iwats. var. *wilfordii* (Hook.) K.Iwats.**

Japanese name: Ami-shida

n=144 8x sex Owase, Mie Pref.

Hirabayashi,1969b

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Stegnoگرامma gymnocarpa</i> (Copel.) K.Iwats. subsp. <i>amabilis</i> (Tagawa) K.Iwats.			
Japanese name: Hime-mizoshida			
<i>n</i> =36	2x sex	Amamioshima Isl., Kagoshima Pref.	Mitui,1967b
<i>n</i> =36	2x sex	Cultivated in Tokyo Univ. of Education	Mitui,1968
<i>n</i> =36	2x sex	Iriomotejima Isl., Okinawa Pref.	Kurita,1976
<i>Stegnoگرامma pozoi</i> (Lag.) K.Iwats. subsp. <i>mollissima</i> (Fisch. ex Kunze) K.Iwats.			
Japanese name: Mizo-shida			
<i>n</i> =36	2x sex	No locality given	Kurita,1960
<i>n</i> =36	2x sex	Cultivated in Tokyo Univ. of Education	Mitui,1968
<i>n</i> =36	2x sex	Mt.Takaosan, Tokyo Pref.	Hirabayashi,1969b
<i>Stegnoگرامma pozoi</i> (Lag.) K.Iwats. subsp. <i>mollissima</i> (Fisch. ex Kunze) K.Iwats. f. <i>pilosissima</i> (H.Itô) Sugimoto*			
Japanese name: Arage-mizoshida			
<i>n</i> =36	2x sex	Yahatano, Shizuoka Pref.	Hirabayashi,1970b
<i>2n</i> =72	2x	Koi, Hiroshima Pref.	Kurizono,1987
<i>Thelypteris</i> Schmidel: $x=27, 30, 31, 32, 34, 35, 36$; ploidy of Japanese plants = 2x, 3x, 4x			
<i>Thelypteris acuminata</i> (Houtt.) C.V.Morton var. <i>acuminata</i>			
Japanese name: Ho-shida			
<i>n</i> =36	2x sex	Kikugawa, Shizuoka Pref.**	Kurita,1960
<i>n</i> =36	2x sex	Sakama, Kumamoto Pref.	Mitui,1968
<i>n</i> =36	2x sex	Kisamiyama, Shizuoka Pref.	Sasamoto,1970
<i>2n</i> =72	2x	Koi, Hiroshima Pref.	Kurizono,1987
<i>Thelypteris acuminata</i> (Houtt.) C.V.Morton var. <i>kuliangensis</i> (Ching) K.Iwats.			
Japanese name: Inu-hoshida			
No information			
<i>Thelypteris acuminata</i> (Houtt.) C.V.Morton var. <i>ogatana</i> (Koidz.) K.Iwats.			
Japanese name: Iyo-hoshida			
No information			
<i>Thelypteris acuminata</i> × <i>T. parasitica</i>*			
Japanese name: Ainoko-hoshida			
(<i>2n</i> =108)	3x irr	Kisami, Oose, & Suzaki, Shizuoka Pref.	Sasamoto,1970
<i>Thelypteris acuminata</i> × <i>T. subpubescens</i>*			
Japanese name: Kushinoha-hoshida			
No information			
<i>Thelypteris angulariloba</i> Ching			
Japanese name: O-hashigoshida			
<i>n</i> =c62	4x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1967b
<i>n</i> =c62	4x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1968
<i>Thelypteris angustifrons</i> (Miq.) Ching			
Japanese name: Ko-hashigoshida			
No information			

* This taxon is not listed in Iwatsuki *et al.* (1995) and the scientific name follows Iwatsuki (1992).

** The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Thelypteris aurita</i> (Hook.) Ching			
Japanese name: Hai-mimigatashida			
$n=31$	2x sex	Yakushima Isl., Kagoshima Pref.	Hirabayashi,1969b
<i>Thelypteris beddomei</i> (Baker) Ching			
Japanese name: Hosoba-shorima			
$n=31$	2x sex	Yakushima Isl., Kagoshima Pref.	Hirabayashi,1969b
$2n=62$	2x	Takanawayama, Ehime Pref.	Kurizono,1987
<i>Thelypteris boninensis</i> (Kodama ex Koidz.) K.Iwats.			
Japanese name: O-hoshida			
No information			
<i>Thelypteris bukoensis</i> (Tagawa) Ching			
Japanese name: Tachi-himewarabi			
$n=c30$	2x sex	Mt.Bukosan, Saitama Pref.*	Kurita,1960
$n=31$	2x sex	Jumonjitoge, Nagano Pref.	Hirabayashi,1969b
$n=31$	2x sex	Togakushi-Okusha, Nagano Pref.	Mitui,1980
$2n=62$	2x	Norikurakogen, Nagano Pref.	Nakato,1996
$2n=93$	3x	Shokawa-mura, Gifu Pref.	Nakato,1996
<i>Thelypteris castanea</i> (Tagawa) Ching			
Japanese name: Taiwan-hashigoshida			
No information			
<i>Thelypteris cystopteroides</i> (D.C.Eaton) Ching			
Japanese name: Hime-hashigoshida			
$n=c27$	2x sex	Cultivated in Tokyo Univ. of Education	Mitui,1975
$2n=54$	2x	Amamioshima Isl., Kagoshima Pref.	Kurizono,1987
$n=54, 2n=108$	4x sex	Yakushima Isl., Kagoshima Pref.	Kurita,1976
$2n=108$	4x	Miyajima Isl., Hiroshima Pref.	Kurizono,1987
<i>Thelypteris decursive-pinnata</i> (H.C.Hall) Ching			
Japanese name: Gejigeji-shida			
$n=30, 2n=60$	2x sex	Kiryama, Shizuoka Pref.	Masuyama,1986
$n=30$	2x sex	Ongata, Tokyo Pref.	Mitui,1965
$n=30$	2x sex	Jinmuji, Kanagawa Pref.; Ongata, Tokyo Pref.; Hiradani & Sawadani, Tokushima Pref.	Mitui,1966b
$n=30$	2x sex	Cultivated in Tokyo Univ. of Education	Mitui,1968
$n=30$	2x sex	Hakone, Kanagawa Pref.	Hirabayashi,1969b
$n=30$	2x sex	Iriomotejima Isl. & Ishigakijima Isl., Okinawa Pref.	Mitui,1976a
$n=30$	2x sex	Mt.Kawanoriyama, Tokyo Pref.; Godai, Chiba Pref.; Shimobe, Yamanashi Pref.; Kiriyama, Shizuoka Pref.	Masuyama,1979
$n=30$	2x sex	Mt.Takaosan, Tokyo Pref.	Masuyama,1986
$2n=60$	2x	Ongata, Tokyo Pref.	Kurizono,1987
$(2n=90)$	3x irr	Agano, Saitama Pref.	Mitui,1967b
$n=c60$	4x sex	Mt.Bukosan, Saitama Pref.	Kurita,1960
$n=60$	4x sex	Jinmuji, Kanagawa Pref.; Hiradani & Sawadani, Tokushima Pref.	Mitui,1966b
$n=60$	4x sex	Agano, Saitama Pref.	Mitui,1968
$n=60$	4x sex	Yakushima Isl., Kagoshima Pref.	Hirabayashi,1969b
$n=60$	4x sex	Kameyama & Godai, Chiba Pref.; Yugashima & Ikeshiro, Shizuoka Pref.	Masuyama,1979

* The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Thelypteris dentata</i> (Forsk.) H.St.John Japanese name: Inu-kehoshida No information	2n=120 4x	Koi, Hiroshima Pref.	Kurizono,1987
<i>Thelypteris erubescens</i> (Wall. ex Hook.) Ching Japanese name: Taiyo-shida No information			
<i>Thelypteris esquirolii</i> (H.Christ) Ching var. <i>esquirolii</i> Japanese name: O-ibukishida No information			
<i>Thelypteris esquirolii</i> (H.Christ) Ching var. <i>glabrata</i> (H.Christ) K.Iwats. Japanese name: Ibuki-shida			
n=36	2x sex	Shiraito Fall, Shizuoka Pref.	Kurita,1961
n=36	2x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1968
n=36	2x sex	Owase, Mie Pref.; Yakushima Isl., Kagoshima Pref.	Hirabayashi,1969b
<i>Thelypteris flexilis</i> (H.Christ) Ching Japanese name: Tosa-no-mizoshida-modoki No information			
<i>Thelypteris glanduligera</i> (Kunze) Ching Japanese name: Hashigo-shida			
n=c72	4x sex	Kuki, Mie Pref.	Mitui,1968
<i>Thelypteris gracilescens</i> (Blume) Ching Japanese name: Shima-yawarashida No information			
<i>Thelypteris hattorii</i> (H.Itô) Tagawa Japanese name: Yokogura-himewarabi No information			
<i>Thelypteris</i> × <i>insularis</i> (K.Iwats.) K.Iwats. Japanese name: Erabu-komorishida No information			
<i>Thelypteris interrupta</i> (Willd.) K.Iwats. Japanese name: Tetsu-hoshida			
n=36	2x sex	Sugari, Mie Pref.	Mitui,1966a
n=36	2x sex	Sugari, Mie Pref.	Mitui,1968
n=36	2x sex	Ike, Shizuoka Pref.	Sasamoto,1970
n=36	2x sex	Iriomotejima Isl., Okinawa Pref.	Mitui,1976a
<i>Thelypteris japonica</i> (Baker) Ching var. <i>glabrata</i> Ching Japanese name: Iwa-hariganewarabi No information			
<i>Thelypteris japonica</i> (Baker) Ching var. <i>japonica</i> Japanese name: Harigane-warabi			
(2n=93)	3x irr	Bonomine, Tokyo Pref.	Mitui,1968
n=62	4x sex	Kikugawa, Shizuoka Pref.	Kurita,1963a

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>n</i> =62	4x sex	Hiradani, Tokushima Pref.	Mitui,1968
<i>Thelypteris japonica</i> (Baker) Ching var. <i>musashiensis</i> Hiyama			
Japanese name: Ao-hariganewarabi			
<i>n</i> =31	2x sex	Mt.Ozakusan, Tochigi Pref.	Mitui,1967b
<i>n</i> =31	2x sex	Mt.Ozakusan, Tochigi Pref.	Mitui,1968
2 <i>n</i> =93	3x	Cultivated in Botanical Garden, Univ. of Tokyo	Kurizono,1987
<i>n</i> =62	4x sex	Kehoji, Niigata Pref.	Mitui,1980
2 <i>n</i> =124	4x	Yoshiwa, Hiroshima Pref.	Kurizono,1987
<i>Thelypteris laxa</i> (Franch. et Sav.) Ching			
Japanese name: Yawara-shida			
<i>n</i> =72	4x	Kikugawa, Shizuoka Pref.	Kurita,1963a
2 <i>n</i> =136	4x	Mt.Tsukubasan, Ibaraki Pref.	Kurita,1963a
<i>Thelypteris liukiensis</i> × <i>T. triphylla</i>*			
Japanese name: Yaeyama-komorishida			
No information			
<i>Thelypteris liukiensis</i> (H.Christ) K.Iwats.			
Japanese name: O-komorishida			
2 <i>n</i> =144	4x	Iriomotejima Isl., Okinawa Pref.	Nakato,1988
<i>Thelypteris nipponica</i> (Franch. et Sav.) Ching			
Japanese name: Nikko-shida			
<i>n</i> =32, 2 <i>n</i> =64	2x sex	Sugadaira, Nagano Pref.	Mitui,1980
<i>n</i> =62	4x sex	Mt.Fuji, Yamanashi Pref.	Hirabayashi,1970b
<i>Thelypteris ogasawarenensis</i> (Nakai) H.Itô ex Honda			
Japanese name: Munin-himewarabi			
<i>n</i> =31	2x sex	Hahajima Isl., Tokyo Pref.	Mitui,1973
<i>Thelypteris omeiensis</i> (Baker) Ching			
Japanese name: Mizoshida-modoki			
<i>n</i> =c136	8x? sex	Mt.Ogasayama & Yugashima, Shizuoka Pref.	Kurita,1966b
<i>Thelypteris palustris</i> (Salisb.) Schott			
Japanese name: Hime-shida			
<i>n</i> =36	2x sex	Hinohara, Tokyo Pref.	Mitui,1967b
<i>n</i> =36	2x sex	Hinohara, Tokyo Pref.	Mitui,1968
<i>n</i> =36	2x sex	Azusayama, Nagano Pref.	Hirabayashi,1969b
<i>n</i> =35	2x sex	Imakawa, Niigata Pref.	Mitui in Tryon & Tryon,1973
<i>n</i> =35	2x sex	Inage, Chiba Pref.	Kurita in Tryon & Tryon,1973
<i>n</i> =35	2x sex	Shiobara, Tochigi Pref.	Kurita,1976
2 <i>n</i> =70	2x	Yuki, Hiroshima Pref.	Kurizono,1987
<i>Thelypteris parasitica</i> (L.) K.Iwats.			
Japanese name: Ke-hoshida			
<i>n</i> =72	4x sex	Amamioshima Isl., Kagoshima Pref.	Sasamoto,1970
<i>n</i> =72	4x sex	Cultivated in Tokyo Univ. of Education	Mitui,1975
<i>n</i> =72	4x sex	Yakushima Isl., Kagoshima Pref.	Kurita,1976

* This taxon is not listed in Iwatsuki *et al.* (1995) and the scientific name follows Iwatsuki (1992).

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Thelypteris phegopteris</i> (L.) Sloss. in Rydb.			
Japanese name: Miyama-warabi			
<i>n</i> =30	2x sex	Mt. Amigasayama, Yamanashi Pref.	Hirabayashi, 1969b
<i>n</i> =30	2x sex	Chichibu Massif, Saitama Pref.; Mt. Mizukaki, Mt. Kushigatayama, Mt. Fuji, Sanpukutoge, Mt. Yatsugatake, & Mt. Kitadake, Yamanashi Pref.; Mt. Kisokomagatake, Mt. Ontake & Mt. Norikuradake, Nagano Pref.; Mt. Ishizuchiyama, Ehime Pref.	Hirabayashi, 1989
2 <i>n</i> =60	2x sex	Mt. Fuji, Shizuoka Pref.	Matsumoto & Yano, 1989
<i>n</i> =90	3x apo	Sugadaira, Nagano Pref.	Mitui, 1970
<i>n</i> =90	3x apo	Mt. Myokosan, Niigata Pref.	Mitui, 1976b
<i>n</i> =90	3x apo	Shikotsuko, Antaroma, Mt. Taisetsuzan, Shirataki, Kussharoko, Akanko, Mt. Rausu, Kiritappu, & Konbumori, Hokkaido Pref.; Towadako, Aomori Pref.; Mt. Hachimantai & Mt. Hayachinesan, Iwate Pref.; Mt. Chokaisan, Mt. Gassan, & Mt. Zao, Yamagata Pref.; Mt. Adatarayama & Goshikinuma, Fukushima Pref.; Ozegahara, Gunma Pref.; Chichibu Massif, Saitama Pref.; Mt. Ooyama, Kanagawa Pref.; Daibosatsutoge, Mt. Kushigatayama, Mt. Fuji, Yashajintoge, & Mt. Kitadake, Yamanashi Pref.; Shigakogen, Takaminekogen, Mt. Nyugasayama, Kirigaminekogen, Sanpukutoge, Mt. Kurohimeyama, Mt. Iizunayama, Mt. Togakushiyama, Ogisawa, Kamikochi, Mt. Yatsugatake, Mt. Kisokomagatake, Mt. Ontake, & Mt. Norikura, Nagano Pref.; Mt. Myokosan, Niigata Pref.; Mt. Hakusan, Ishikawa Pref.; Mt. Odaigahara, Nara Pref.; Mt. Daisen, Tottori Pref.; Mt. Ishizuchiyama, Ehime Pref.; Mt. Sobosan, Oita Pref., Yakushima Isl., Kagoshima Pref.	Hirabayashi, 1989
2 <i>n</i> =90	3x apo	Mt. Fuji, Shizuoka Pref.	Matsumoto & Yano, 1989
<i>Thelypteris quelpaertensis</i> (H. Christ.) Ching var. <i>quelpaertensis</i>			
Japanese name: Oba-shorima			
<i>n</i> =34	2x sex	Sugadaira, Nagano Pref.	Mitui, 1970
<i>n</i> =36	2x sex	Aizankei, Hokkaido Pref.	Hirabayashi, 1970b
<i>Thelypteris quelpaertensis</i> (H. Christ.) Ching var. <i>yaku-montana</i> (Masam.) Tagawa			
Japanese name: Yakushima-shorima			
No information			
<i>Thelypteris simplex</i> (Hook.) K. Iwats.			
Japanese name: Hitotsuba-komorishida			
2 <i>n</i> =108	3x	Iriomotejima Isl., Okinawa Pref.	Nakato, 1987b
<i>Thelypteris subaurita</i> (Tagawa) Ching			
Japanese name: Mimigata-shida			
<i>n</i> =31	2x sex	Cultivated in Botanical Garden, Univ. of Tokyo	Kurita, 1963a
<i>n</i> =31	2x sex	Amamioshima Isl., Kagoshima Pref.	Mitui, 1967b
<i>n</i> =31	2x sex	Amamioshima Isl., Kagoshima Pref.	Mitui, 1968
<i>n</i> =31	2x sex	Okinawajima Isl., Okinawa Pref.	Mitui, 1976a

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
2n=62	2x	Amamioshima Isl., Kagoshima Pref.	Nakato,1990

***Thelypteris subpubescens* (Blume) K.Iwats.**

Japanese name: Kushi-no-ha-shida
No information

***Thelypteris taiwanensis* (C.Chr.) K.Iwats.**

Japanese name: Kobazake-shida
n=36 2x sex Iriomotejima Isl., Okinawa Pref. Kurita,1976
n=c72 4x sex Iriomotejima Isl., Okinawa Pref. Mitui,1976a

***Thelypteris torresiana* (Gaudich.) Alston var. *calvata* (Baker) K.Iwats.**

Japanese name: Hime-warabi
n=31 2x sex Mt.Takaosan, Tokyo Pref. Hirabayashi,1969b
n=62 4x sex Cultivated in Tokyo Univ. of Education Mitui,1968

Thelypteris torresiana* (Gaudich.) Alston var. *torresiana

Japanese name: Arage-himewarabi
n=31 2x sex Ishigakijima Isl., Okinawa Pref. Mitui,1976a
2n=124 4x Yakushima Isl., Kagoshima Pref. Nakato,1987b
2n=124 4x Amamioshima Isl., Kagoshima Pref. Kurizono,1987

***Thelypteris triphylla* (Sw.) K.Iwats. var. *parishii* (Bedd.) K.Iwats.**

Japanese name: Hosoba-komorishida
2n=144 4x Iriomotejima Isl., Okinawa Pref. Nakato,1988

Thelypteris triphylla* (Sw.) K.Iwats. var. *triphylla

Japanese name: Komori-shida
2n=108 3x Amamioshima Isl., Kagoshima Pref. Kurizono,1987
n=72 4x sex Yakushima Isl., Kagoshima Pref. Kurita,1962
n=72 4x sex Amamioshima Isl., Kagoshima Pref. Mitui,1968

***Thelypteris truncata* (Poir.) K.Iwats.**

Japanese name: Nata-giri-shida
2n=144 4x Iriomotejima Isl., Okinawa Pref. Nakato,1987b

***Thelypteris uraiensis* (Rosenst.) Ching**

Japanese name: Taiwan-hariganewarabi
n=62 4x sex Yakushima Isl., Kagoshima Pref. Hirabayashi,1969b

***Thelypteris viridifrons* Tagawa**

Japanese name: Midori-himewarabi
n=c62 4x sex Kikugawa, Shizuoka Pref. Kurita,1961

VITTARIACEAE

***Antrophyum* Kaulf: x=60 (non-Japanese species)**

***Antrophyum formosanum* Hieron.**

Japanese name: Shima-takimishida
No information

***Antrophyum obovatum* Baker**

Japanese name: Takimi-shida
No information

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
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***Vittaria* Sm.: $x=30$ (non-Japanese species); ploidy of Japanese plant = $7x$**

***Vittaria ensiformis* Sw.**

Japanese name: Hime-shishiran
 $2n=c210$ $7x$ Iriomotejima Isl., Okinawa Pref. Nakato,1988

***Vittaria flexuosa* Fée**

Japanese name: Shishi-ran
 No information

***Vittaria forrestiana* Ching**

Japanese name: Oba-shishiran
 No information

***Vittaria fudzinoi* Makino**

Japanese name: Nakami-shishiran
 No information

***Vittaria zosterifolia* Willd.**

Japanese name: Amamo-shishiran
 No information

WOODSIACEAE

***Acystopteris* Nakai: $x=42$; ploidy of Japanese plants = $2x$**

***Acystopteris japonica* (Luerss.) Nakai**

Japanese name: Usuhime-warabi
 $n=42$ $2x$ sex Sakuma, Shizuoka Pref. Kurita,1962
 $n=42$ $2x$ sex Mt.Ozakusan, Tochigi Pref. Mitui,1968

***Acystopteris tenuisecta* (Blume) Tagawa**

Japanese name: Horai-usuhime-warabi
 No information

***Athyrium* Roth: $x=40$; ploidy of Japanese plants = $2x, 3x, 4x, 6x$**

***Athyrium* × *akiense* Sa.Kurata**

Japanese name: Aki-inuwarabi
 $(2n=160)$ $4x$ irr Kanagokei, Yamaguchi Pref. Hirabayashi,1970b

***Athyrium alpestre* (Hoppe) Clairv.**

Japanese name: Okuyama-warabi
 $n=40$ $2x$ sex Mt.Myokosan, Niigata Pref. Mitui,1976b

***Athyrium* × *amagi-pedis* Sa.Kurata**

Japanese name: Izu-inuwarabi
 No information

***Athyrium* × *anceps* Sa.Kurata**

Japanese name: Ari-shibi-inuwarabi
 No information

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Athyrium arisanense</i> (Hayata) Tagawa			
Japanese name: Taiwan-arisan-inuwarabi			
$n=80$	4x sex	Kusenbu, Saga Pref.	Hirabayashi,1970b
<i>Athyrium atkinsonii</i> Bedd.			
Japanese name: Tebako-warabi			
No information			
<i>Athyrium</i> × <i>austro-japonense</i> Sa.Kurata			
Japanese name: Nangoku-inuwarabi			
No information			
<i>Athyrium</i> × <i>awatae</i> Seriz.			
Japanese name: Tani-sakimori-inuwarabi			
No information			
<i>Athyrium</i> × <i>bicolor</i> Seriz.			
Japanese name: Nise-koshino-satomesida			
No information			
<i>Athyrium</i> × <i>bicolor</i> Seriz. nothsubsp. <i>shiibaense</i> Seriz.			
Japanese name: Nise-shiiba-satomesida			
No information			
<i>Athyrium brevifrons</i> Nakai ex Kitag.			
Japanese name: Ezo-meshida			
$n=40$	2x sex	Cultivated in Botanical Garden, Univ. of Tokyo	Mitui,1965
$n=40$	2x sex	Cultivated in Botanical Garden, Univ. of Tokyo	Mitui,1968
$n=40$	2x sex	Osorezan, Aomori Pref.	Hirabayashi,1970b
$2n=c80$	2x sex	Akan, Hokkaido Pref.	Mitui,1975
<i>Athyrium brevifrons</i> × <i>A. vidalii</i>			
Japanese name: Tohoku-meshida			
No information			
<i>Athyrium brevifrons</i> × <i>A. yokoscense</i>			
Japanese name: Ezo-hebino-negoza			
No information			
<i>Athyrium</i> × <i>calophyllum</i> Sa.Kurata ex Seriz.			
Japanese name: Yama-sakaba-satomesida			
No information			
<i>Athyrium clivicola</i> Tagawa			
Japanese name: Karakusa-inuwarabi			
$n=80$	4x sex	Hitoyoshi City, Kunamoto Pref.	Mitui,1965
$n=80$	4x sex	Cultivated in Tokyo Univ. of Education	Mitui,1968
$2n=160$	4x	Kinkeidaki, Yamaguchi Pref.	Kurihara <i>et al.</i> ,1996
<i>Athyrium clivicola</i> × <i>A. oblitescens</i>			
Japanese name: Kara-sakimori-inuwarabi			
No information			
<i>Athyrium clivicola</i> × <i>A. setuligerum</i>			
Japanese name: Ai-toge-karakusa-inuwarabi			

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
No information			
<i>Athyrium clivicola</i> × <i>A. vidalii</i>			
Japanese name: Yama-kara-inuwarabi			
No information			
<i>Athyrium</i> × <i>cornopteroides</i> Sa.Kurata			
Japanese name: Shikechi-inuwarabi			
(2n=c160)	4x irr	Yakushima Isl., Kagoshima Pref.	Hirabayashi,1970b
<i>Athyrium deltoidofrons</i> Makino f. <i>acutissimum</i> (Kodama) Sa.Kurata			
Japanese name: Togariba-meshida			
No information			
<i>Athyrium deltoidofrons</i> Makino f. <i>deltoidofrons</i>			
Japanese name: Sato-meshida			
n=120	6x sex	Mt.Bukosan, Saitama Pref.*	Kurita,1960
n=120	6x sex	Sugadaira, Nagano Pref.	Mitui,1970
n=120	6x sex	Shibata, Niigata Pref.	Mitui,1975
<i>Athyrium deltoidofrons</i> Makino f. <i>olmurae</i> Sa.Kurata			
Japanese name: Oze-satomeshida			
No information			
<i>Athyrium deltoidofrons</i> × <i>A. iseanum</i>			
Japanese name: Hosoba-satomeshida			
No information			
<i>Athyrium deltoidofrons</i> × <i>A. otophorum</i>			
Japanese name: Tani-satomeshida			
No information			
<i>Athyrium deltoidofrons</i> × <i>A. wardii</i>			
Japanese name: Gifu-inuwarabi			
No information			
<i>Athyrium eremicola</i> Oka et Sa.Kurata			
Japanese name: Heike-inuwarabi			
n=80	4x sex	Suzunootaniyama, Shimane Pref.	Hirabayashi,1970b
<i>Athyrium</i> × <i>flavosorum</i> Seriz.			
Japanese name: Nise-murasaki-otome-inuwarabi			
No information			
<i>Athyrium fraugulum</i> Tagawa			
Japanese name: Miyako-inuwarabi			
n=40	2x sex	Mt.Ozaku, Tochigi Pref.	Mitui,1965
n=40	2x sex	Mt.Ozaku, Tochigi Pref.	Mitui,1968
<i>Athyrium</i> × <i>fuscopaleaceum</i> Sa.Kurata			
Japanese name: Otomasu-inuwarabi			
No information			

* The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Athyrium</i> × <i>glabrescens</i> Seriz.			
Japanese name: Nise-shikechi-inuwarabi			
No information			
<i>Athyrium</i> × <i>hisatsuanum</i> Sa.Kurata			
Japanese name: Hisatsu-inuwarabi			
No information			
<i>Athyrium</i> × <i>ikutae</i> Sa.Kurata			
Japanese name: Ikuta-inuwarabi			
No information			
<i>Athyrium</i> × <i>inabaense</i> Seriz.			
Japanese name: Nise-hatsuki-inuwarabi			
No information			
<i>Athyrium</i> × <i>inouei</i> Sa.Kurata			
Japanese name: Hebi-hosoba-inuwarabi			
No information			
<i>Athyrium</i> <i>iseanum</i> Rosenst var. <i>angustisectum</i> Tagawa			
Japanese name: Togariba-inuwarabi			
No information			
<i>Athyrium</i> <i>iseanum</i> Rosenst var. <i>iseanum</i>			
Japanese name: Hosoba-inuwarabi			
<i>n</i> =80	4x sex	Obarano, Mie Pref.	Mitui,1966a
<i>n</i> =c80	4x sex	Mt.Ogasayama, Shizuoka Pref.*	Kurita,1967b
<i>n</i> =80	4x sex	Obarano, Mie Pref.	Mitui,1968
2 <i>n</i> =160	4x	Kehoji, Niigata Pref.	Mitui,1980
<i>Athyrium</i> <i>iseanum</i> × <i>A. neglectum</i>			
Japanese name: Yamagata-inuwarabi			
No information			
<i>Athyrium</i> × <i>kawabatae</i> Sa.Kurata			
Japanese name: Kosugi-inuwarabi			
No information			
<i>Athyrium</i> × <i>kawabataeoides</i> Sa.Kurata			
Japanese name: Inu-kosugi-inuwarabi			
No information			
<i>Athyrium</i> <i>kenzo-satakei</i> Sa.Kurata			
Japanese name: Shibi-inuwarabi			
<i>n</i> =80	4x sex	Mt.Shibisan, Kagoshima Pref.	Hirabayashi,1970b
<i>Athyrium</i> × <i>kidoanum</i> Sa.Kurata			
Japanese name: Yunotsuru-inuwarabi			
No information			
<i>Athyrium</i> <i>kirishimaense</i> Tagawa			
Japanese name: Kirishima-hebino-negoza			
No information			

* The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Athyrium kuratae</i> × <i>A. oblitescens</i>			
Japanese name: Atsuba-sefuri-inuwarabi			
No information			
<i>Athyrium kuratae</i> × <i>A. setuligerum</i>			
Japanese name: Itsuki-inuwarabi			
No information			
<i>Athyrium kuratae</i> Seriz.			
Japanese name: Tsukushi-inuwarabi			
No information			
<i>Athyrium masamunei</i> Seriz.			
Japanese name: Yaku-inuwarabi			
No information			
<i>Athyrium</i> × <i>masayukianum</i> Sa.Kurata			
Japanese name: Fuke-inuwarabi			
No information			
<i>Athyrium</i> × <i>megayakusimense</i> Sa.Kurata			
Japanese name: Yaku-tsukushi-inuwarabi			
No information			
<i>Athyrium melanolepis</i> (Franch. et Sav.) H.Christ			
Japanese name: Miyama-meshida			
<i>n</i> =40	2x sex	Mt.Toyoguchiyama, Nagano Pref.	Mitui,1970
<i>n</i> =40	2x sex	Mt.Kobushigatake, Nagano Pref.	Hirabayashi,1970b
<i>Athyrium melanolepis</i> × <i>A. pinetorum</i>			
Japanese name: Takane-miyama-meshida			
No information			
<i>Athyrium melanolepis</i> × <i>A. vidalii</i>			
Japanese name: Yama-meshida			
No information			
<i>Athyrium</i> × <i>mentiense</i> Sa.Kurata			
Japanese name: Hebi-yama-inuwarabi			
No information			
<i>Athyrium</i> × <i>minakuchii</i> Sa.Kurata			
Japanese name: Nanki-inuwarabi			
No information			
<i>Athyrium</i> × <i>multifidum</i> f. <i>sakurarii</i> (Rosenst.) Sa.Kurata			
Japanese name: Oze-osatomeshida			
No information			
<i>Athyrium</i> × <i>multifidum</i> Rosenst.			
Japanese name: O-satomeshida			
No information			
<i>Athyrium nakanoi</i> Makino			
Japanese name: Hime-hobi-shida			

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Athyrium neglectum</i> × <i>A. yokoscense</i>			
<i>n</i> =80	4x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1967b
<i>n</i> =80	4x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1968
Japanese name: Koshi-hebino-negoza No information			
<i>Athyrium neglectum</i> Seriz. subsp. <i>australe</i> Seriz.			
Japanese name: Shiiba-satomeshida No information			
<i>Athyrium neglectum</i> Seriz. subsp. <i>neglectum</i>			
Japanese name: Koshino-satomeshida No information			
<i>Athyrium</i> × <i>neo-elegans</i> Sa.Kurata			
Japanese name: Ho-yaku-inuwarabi No information			
<i>Athyrium nikkoense</i> Makino			
Japanese name: Iwa-inuwarabi			
<i>n</i> =40	2x sex	Kogashisan, Tochigi Pref.	Hirabayashi,1970b
<i>2n</i> =78	2x	Mt.Koshinzan, Tochigi Pref.	Nakato,1988
<i>Athyrium niponicum</i> (Mett.) Hance			
Japanese name: Inu-warabi			
<i>n</i> =40	2x sex	Kikugawa, Shizuoka Pref.*	Kurita,1960
(<i>2n</i> =80)	2x irr	Kikugawa, Shizuoka Pref.*	Kurita,1967b
<i>n</i> =40	2x sex	Cultivated in Tokyo Univ. of Education	Mitui,1968
<i>n</i> =40	2x sex	Uenohara, Yamanashi Pref.	Hirabayashi,1970b
<i>2n</i> =80	2x	Koyo-cho, Hiroshima Pref.	Tatuno & Okada,1970
<i>Athyrium oblitescens</i> × <i>A. subrigescens</i>			
Japanese name: Yamaguchi-inuwarabi No information			
<i>Athyrium oblitescens</i> × <i>A. wardii</i>			
Japanese name: Sakimori-hiroha-inuwarabi No information			
<i>Athyrium oblitescens</i> Sa.Kurata			
Japanese name: Sakimori-inuwarabi			
<i>n</i> =80	4x sex	Kinkeidaki, Yamaguchi Pref.	Hirabayashi,1970b
<i>2n</i> =160	4x	Tojo, Tottori Pref.; Kinkeidaki, Yamaguchi Pref.	Kurihara <i>et al.</i> ,1996
<i>2n</i> =240	6x	Kuagaki, Ishikawa Pref.	Kurihara <i>et al.</i> ,1996
<i>2n</i> =c240	6x	Notaai, Fukui Pref.	Kurihara <i>et al.</i> ,1996
<i>Athyrium otophorum</i> × <i>A. subrigescens</i>			
Japanese name: Tani-horai-inuwarabi No information			
<i>Athyrium otophorum</i> (Miq.) Koidz. var. <i>okanum</i> Sa.Kurata			
Japanese name: Yamaguchi-tani-inuwarabi			
<i>2n</i> =160	4x	Futatsudo, Yamaguchi Pref.	Kurihara <i>et al.</i> ,1996

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Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Athyrium otophorum</i> (Miq.) Koidz. var. <i>otophorum</i> f. <i>otophorum</i>			
Japanese name: Tani-inuwarabi			
$n=c80$	4x sex	Mt.Ogasayama, Shizuoka Pref.*	Kurita,1960
$2n=160$	4x	Ogawa, Wakayama Pref.; Amitoni, Fukuoka Pref.	Kurihara <i>et al.</i> ,1996
<i>Athyrium otophorum</i> (Miq.) Koidz. var. <i>otophorum</i> f. <i>viridescens</i> Sa.Kurata			
Japanese name: Midori-tani-inuwarabi			
No information			
<i>Athyrium</i> × <i>paludicola</i> Sa.Kurata ex Seriz.			
Japanese name: O-sakaba-satomesida			
No information			
<i>Athyrium palustre</i> Seriz.			
Japanese name: Sakaba-satomesida			
No information			
<i>Athyrium</i> × <i>petiobulatum</i> Sa.Kurata			
Japanese name: Inu-shikechi-inuwarabi			
$(2n=c160)$	4x irr	Yakushima Isl., Kagoshima Pref.	Hirabayashi,1970b
<i>Athyrium pinetorum</i> Tagawa			
Japanese name: Takane-satomesida			
$n=40$	2x sex	Mt.Togakushiyama, Nagano Pref.	Kurita,1965a
<i>Athyrium</i> × <i>pseudo-iseanum</i> Sa.Kurata			
Japanese name: Hatsuki-inuwarabi			
No information			
<i>Athyrium</i> × <i>pseudo-pinetorum</i> Seriz.			
Japanese name: Yama-takane-satomesida			
No information			
<i>Athyrium</i> × <i>pseudo-spinascens</i> Seriz.			
Japanese name: Yama-hosoba-inuwarabi			
No information			
<i>Athyrium</i> × <i>pseudo-wardii</i> Seriz.			
Japanese name: Yama-hiroha-inuwarabi			
No information			
<i>Athyrium</i> × <i>purpurascens</i> (Tagawa) Sa.Kurata			
Japanese name: Murasaki-otome-inuwarabi			
No information			
<i>Athyrium</i> × <i>purpureipes</i> Sa.Kurata			
Japanese name: Kara-tani-inuwarabi			
No information			
<i>Athyrium</i> × <i>pygmaei-silvae</i> Sa.Kurata			
Japanese name: Kobito-inuwarabi			
$(2n=160)$	4x irr	Yakushima Isl., Kagoshima Pref.	Hirabayashi,1970b

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Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Athyrium × quaesitum</i> Sa.Kurata			
Japanese name: Yama-tani-inuwarabi			
No information			
<i>Athyrium reflexipinatum</i> Hayata			
Japanese name: Sakaba-inuwarabi			
$n=80$	4x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1967b
$n=80$	4x sex	Yakushima Isl., Kagoshima Pref.	Mitui,1968
$n=80$	4x sex	Cultivated in Botanical Garden, Univ. of Tokyo	Kurita,1972
<i>Athyrium rupestre</i> Kodama			
Japanese name: Miyama-hebino-negoza			
$n=40$	2x sex	Sugadaira & Mt.Nekodake, Nagano Pref.	Mitui,1970
$2n=80$	2x	Sugadaira, Nagano Pref.	Mitui,1980
<i>Athyrium × saitoanum</i> (Sugim.) Seriz.			
Japanese name: Hokuriku-inuwarabi			
No information			
<i>Athyrium × satsumense</i> Seriz.			
Japanese name: O-aoguki-inuwarabi			
No information			
<i>Athyrium × sefuricola</i> Sa.Kurata			
Japanese name: Sefuri-inuwarabi			
No information			
<i>Athyrium setuligerum</i> Sa.Kurata			
Japanese name: Toge-karakusa-inuwarabi			
No information			
<i>Athyrium sheareri</i> (Baker) Ching			
Japanese name: Uraboshi-nokogiri-shida			
($2n=120$)	3x irr	Tateyama City, Chiba Pref.	Kurita,1976
$n=80$	4x sex	Mt.Takakumayama, Kagoshima Pref.	Kurita,1976
<i>Athyrium × shikoku-montanum</i> Seriz.			
Japanese name: Yama-sakaba-inuwarabi			
No information			
<i>Athyrium silvicola</i> Tagawa			
Japanese name: Takasago-inuwarabi			
No information			
<i>Athyrium spinescens</i> Sa.Kurata			
Japanese name: Toge-yama-inuwarabi			
No information			
<i>Athyrium spinulosum</i> (Maxim.) Milde			
Japanese name: Karafuto-miyamashida			
$n=40, 2n=80$	2x sex	Mt.Mitsutoge, Yamanashi Pref.	Kurita,1976
$n=40$	2x sex	Mt.Yatsugatake, Yamanashi Pref.	Hirabayashi,1970b
<i>Athyrium strigillosum</i> (Lowe) T.Moore ex Salomon			
Japanese name: Komochi-inuwarabi			

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
No information			
<i>Athyrium</i> × <i>subcrassipes</i> Seriz.			
Japanese name: Oba-shima-inuwarabi			
No information			
<i>Athyrium subrigescens</i> (Hayata) Hayata ex H.Itô f. <i>pubigerum</i>			
Japanese name: Ke-horai-inuwarabi			
No information			
<i>Athyrium subrigescens</i> (Hayata) Hayata ex H.Itô f. <i>subrigescens</i>			
Japanese name: Horai-inuwarabi			
No information			
<i>Athyrium subrigescens</i> × <i>A. vidalii</i>			
Japanese name: Sawara-inuwarabi			
No information			
<i>Athyrium tashiroi</i> Tagawa			
Japanese name: Usuba-hebino-negoza			
No information			
<i>Athyrium</i> × <i>tokashikii</i> Sa.Kurata			
Japanese name: O-karakusa-inuwarabi			
No information			
<i>Athyrium tozanense</i> (Hayata) Hayata			
Japanese name: Shima-inuwarabi			
No information			
<i>Athyrium tozanense</i> × <i>A. clivicola</i>			
Japanese name: Tottori-inuwarabi			
No information			
<i>Athyrium tozanense</i> × <i>A. vidalii</i>			
Japanese name: Tanaka-inuwarabi			
No information			
<i>Athyrium</i> × <i>tsurutamum</i> Sa.Kurata			
Japanese name: Tsuruta-inuwarabi			
No information			
<i>Athyrium vidalii</i> (Franch. et Sav.) Nakai var. <i>vidalii</i> f. <i>pulvigerum</i> Sa.Kurata			
Japanese name: Ke-yama-inuwarabi			
No information			
<i>Athyrium vidalii</i> (Franch. et Sav.) Nakai var. <i>vidalii</i> f. <i>vidalii</i>			
Japanese name: Yama-inuwarabi			
<i>n</i> =80	4x sex	Mt.Gozenyama, Tokyo Pref.*	Kurita,1960
<i>n</i> =80	4x sex	Hanno City, Saitama Pref.	Mitui,1968
<i>Athyrium vidalii</i> (Franch. et Sav.) Nakai var. <i>vidalii</i> f. <i>viridans</i> Sa.Kurata			
Japanese name: Midori-yama-inuwarabi			
<i>n</i> =80	4x sex	Kusenbu, Saga Pref.	Hirabayashi,1970b

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Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Athyrium vidalii</i> (Franch. et Sav.) Nakai var. <i>yamadae</i> (Miyabe et Kudo) Miyabe et Tatew.			
Japanese name: Ezo-inuwarabi			
No information			
<i>Athyrium viridescens</i> Sa.Kurata			
Japanese name: Aoguki-inuwarabi			
No information			
<i>Athyrium wardii</i> (Hook.) Makino var. <i>inadae</i> Tagawa			
Japanese name: Ruridera-inuwarabi			
No information			
<i>Athyrium wardii</i> (Hook.) Makino var. <i>wardii</i> f. <i>chloropodum</i> Sa.Kurata			
Japanese name: Midori-hiroha-inuwarabi			
No information			
<i>Athyrium wardii</i> (Hook.) Makino var. <i>wardii</i> f. <i>wardii</i>			
Japanese name: Hiroha-inuwarabi			
<i>n</i> =80	4x sex	Mt.Ogasayama, Shizuoka Pref.*	Kurita,1960
<i>n</i> =80	4x sex	Kyusyu	Hirabayashi,1970b
2 <i>n</i> =160	4x	Oi, Gifu Pref.	Kurihara <i>et al.</i> ,1996
2 <i>n</i> =c160	4x	Yamabushiyama, Ishikawa Pref.	Kurihara <i>et al.</i> ,1996
<i>Athyrium</i> × <i>watanabei</i> Seriz.			
Japanese name: Kanmuriyama-satomeshiba			
No information			
<i>Athyrium</i> × <i>yaku-insularis</i> Sa.Kurata			
Japanese name: Yaku-shibi-inuwarabi			
(2 <i>n</i> =160)	4x irr	Yakushima Isl., Kagoshima Pref.	Hirabayashi,1970b
<i>Athyrium</i> × <i>yakumonticola</i> Sa.Kurata			
Japanese name: Inu-shima-inuwarabi			
No information			
<i>Athyrium yakusimense</i> Tagawa			
Japanese name: Yakushima-tani-inuwarabi			
<i>n</i> =80	4x sex	Yakushima Isl., Kagoshima Pref.	Hirabayashi,1970b
<i>Athyrium yokoscense</i> (Franch. et Sav.) H.Christ var. <i>alpicola</i> Hiyama			
Japanese name: Takane-hebino-negoza			
No information			
<i>Athyrium yokoscense</i> (Franch. et Sav.) H.Christ var. <i>dilatatum</i> Tagawa			
Japanese name: Hiroha-hebino-negoza			
No information			
<i>Athyrium yokoscense</i> (Franch. et Sav.) H.Christ var. <i>yokoscense</i>			
Japanese name: Hebino-negoza			
<i>n</i> =40	2x sex	Mt.Bukosan, Saitama Pref.*	Kurita,1960
<i>n</i> =40	2x sex	Mt.Yatsugatake, Yamanashi Pref.	Hirabayashi,1970b
2 <i>n</i> =80	2x	Mt.Koshinzan, Tochigi Pref.	Kurita,1976

* The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Cornopteris</i> Nakai: $x=40$; ploidy of Japanese plants = $2x, 3x, 4x$			
<i>Cornopteris banajaoensis</i> (C.Chr.) K.Iwats. et Price			
Japanese name: Hosoba-shikechi-shida			
$n=40$	$2x$ sex	Yakushima Isl., Kagoshima Pref.	Kurita,1964
$(2n=80)$	$2x$ irr	Yakushima Isl., Kagoshima Pref.	Kurita,1964
<i>Cornopteris christenseniana</i> (Koidz.) Tagawa			
Japanese name: Hakone-shikechi-shida			
$(2n=120)$	$3x$ irr	Mt.Yamizo, Fukushima Pref.; Mt.Ozaku, Tochigi Pref.; Mt.Otake, Saitama Pref.	Kurita,1964
$(2n=120)$	$3x$ irr	Hanno City, Saitama Pref.	Mitui,1968
$(2n=120)$	$3x$ irr	Mitake, Tokyo Pref.	Hirabayashi,1970b
<i>Cornopteris crenuloserrulata</i> (Makino) Nakai			
Japanese name: Ippon-warabi			
$n=40$	$2x$ sex	Mt.Bukosan, Mt.Mitsumine, Mt.Ryogamiyama, & Mt.Otake, Saitama Pref.; Gotenba, Shizuoka Pref.	Kurita,1964
$n=40$	$2x$ sex	Mt.Nyugasayama, Yamanashi Pref.	Mitui,1970
$n=40$	$2x$ sex	Hinoemata, Fukushima Pref.	Mitui,1980
<i>Cornopteris decurrenti-alata</i> (Hook.) Nakai var. <i>decurrenti-alata</i>			
Japanese name: Shikechi-shida			
$n=80$	$4x$ sex	Kiyosumiyama, Chiba Pref.; Ogasayuma & Yugashima, Shizuoka Pref.; Owase, Mie Pref.; Nachi, Wakayama Pref.	Kurita,1964
$n=c80$	$4x$ sex	Mt.Ozakusan, Tochigi Pref.	Mitui,1968
$(2n=c160)$	$4x$ irr	Yugashima, Shizuoka Pref.	Kurita,1964
<i>Cornopteris decurrenti-alata</i> (Hook.) Nakai var. <i>pilosella</i> H.Itô			
Japanese name: Takao-shikechi-shida			
$n=c80$	$4x$ sex	Otake, Saitama Pref.; Kiyosumi-yama, Chiba Pref.; Oborazawa, Shizuoka Pref.	Kurita,1964
<i>Cornopteris</i> × <i>masachikana</i> Sa.Kurata			
Japanese name: Yaku-shikechi-shida			
No information			
<i>Cornopteris opaca</i> (D.Don) Tagawa f. <i>glabrescens</i> Sa.Kurata			
Japanese name: Arisan-shikechi-shida			
No information			
<i>Cornopteris opaca</i> (D.Don) Tagawa f. <i>opaca</i>			
Japanese name: Nangoku-shikechi-shida			
$n=41$	$2x$ sex	Yakushima Isl., Kagoshima Pref.	Kurita,1964
$n=c82$	$4x$ sex	Yakushima Isl., Kagoshima Pref.	Kurita,1964
$n=c80$	$4x$ sex	Yakushima Isl., Kagoshima Pref.	Hirabayashi,1970b
$2n=160$	$4x$	Yakushima Isl., Kagoshima Pref.	Nakato,1987b
<i>Cornopteris</i> × <i>undulatipinnula</i> (Seriz.) Nakaike			
Japanese name: Kireha-shikechi-shida			
No information			
<i>Cystopteris</i> Bernh.: $x=41, 42$ (non-Japanese species); ploidy of Japanese plants = $4x, 6x$			

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Cystopteris fragilis</i> (L.) Bernh.			
Japanese name: Nayo-shida			
$n=126$	6x sex	Mt.Nyugasayama, Yamanashi Pref.	Mitui,1970
<i>Cystopteris sudetica</i> A.Braum et Milde			
Japanese name: Yama-hime-warabi			
$n=c80$	4x sex	Azusayama, Nagano Pref.	Mitui,1975
<i>Deparia</i> Hook. et Grev.: $x=40$; ploidy of Japanese plants = 2x, 3x, 4x, 5x, 6x			
<i>Deparia bonincola</i> (Nakai) M.Kato			
Japanese name: O-shikeshida			
$n=40$	2x sex	Chichijima Isl., Tokyo Pref.	Mitui,1973
<i>Deparia conilii</i> (Franch. et Sav.) M.Kato var. <i>angustata</i> (Nakai) M.Kato			
Japanese name: Yabu-shida			
No information			
<i>Deparia conilii</i> (Franch. et Sav.) M.Kato var. <i>conilii</i>			
Japanese name: Hosoba-shikeshida			
$n=120$	6x sex	Kikugawa, Shizuoka Pref.*	Kurita,1960
$n=120$	6x sex	Kiyosumiyama, Chiba Pref.	Mitui,1965
$n=120$	6x sex	Cultivated in Tokyo Univ. of Education	Mitui,1968
<i>Deparia conilii</i> × <i>D. dimorphophylla</i>			
Japanese name: Ko-seitaka-shikeshida			
No information			
<i>Deparia conilii</i> × <i>D. japonica</i>			
Japanese name: O-hosoba-shikeshida			
No information			
<i>Deparia conilii</i> × <i>D. kiusiana</i>			
Japanese name: Hosoba-mukuge-shikeshida			
No information			
<i>Deparia conilii</i> × <i>D. petersenii</i>			
Japanese name: Hosoba-nachi-shikeshida			
No information			
<i>Deparia conilii</i> × <i>D. pseudoconilli</i>			
Japanese name: Hosoba-fumoto-shikeshida			
No information			
<i>Deparia coreana</i> (H.Christ) M.Kato			
Japanese name: Korai-inuwarabi			
No information			
<i>Deparia dimorphophylla</i> × <i>D. petersenii</i>			
Japanese name: Seitaka-nachi-shikeshida			
No information			

* The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Deparia dimorphophylla</i> × <i>D. pseudoconilii</i> var. <i>subdeltoidofrons</i>			
Japanese name: Seitaka-kohiroha-shikeshida			
No information			
<i>Deparia dimorphophylla</i> × <i>D. pseudoconilii</i>			
Japanese name: Seitaka-fumoto-shikeshida			
No information			
<i>Deparia dimorphophylla</i> (Koidz.) M.Kato			
Japanese name: Seitaka-shikeshida			
2n=240	6x sex	Itsukaichi, Tokyo Pref.	Nakato,1996
<i>Deparia japonica</i> × <i>D. kiusiana</i>			
Japanese name: Mukuge-musashi-shikeshida			
No information			
<i>Deparia japonica</i> × <i>D. pseudoconilii</i>			
Japanese name: Tama-shikeshida			
No information			
<i>Deparia japonica</i> × <i>D. petersenii</i>			
Japanese name: Satsuma-shikeshida			
No information			
<i>Deparia japonica</i> (Thunb.) M.Kato			
Japanese name: Shike-shida			
n=120	6x sex	No locality given	Kurita,1960
n=120	6x sex	Cultivated in Tokyo Univ. of Education	Mitui,1968
<i>Deparia kiusiana</i> (Koidz.) M.Kato			
Japanese name: Mukage-shikeshida			
No information			
<i>Deparia</i> × <i>kiyozumiium</i> (Sa.Kurata) Shimura			
Japanese name: Kiyozumi-meshida			
(2n=120)	3x irr	Oshino, Yamanashi Pref.	Hirabayashi,1970b
<i>Deparia lobatocrenata</i> (Tagawa) M.Kato			
Japanese name: Hitotsuba-shikeshida			
(2n=200)	5x irr	Cultivated in Tokyo Gakugei Univ.	Mitui,1968
(2n=223)	6x? irr	Cultivated in Tokyo Gakugei Univ.	Mitui,1967b
<i>Deparia minamitauii</i> Seriz.			
Japanese name: Hyuga-shikeshida			
No information			
<i>Deparia</i> × <i>musashiensis</i> (H.Ohba) Seriz.			
Japanese name: Musashi-shikeshida			
No information			
<i>Deparia okuboana</i> (Makino) M.Kato			
Japanese name: O-hime-warabi			
n=120	3x apo	Futase, Saitama Pref.	Mitui,1968
n=120	3x apo	Takaosan, Tokyo Pref.	Hirabayashi,1970b
2n=120	3x apo	Osawa & Tagami, Niigata Pref.	Mitui,1986

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Deparia okuboana</i> × <i>D. pterorachis</i> Japanese name: O-meshida-modoki No information	<i>Deparia okuboana</i> × <i>D. pterorachis</i> Japanese name: O-meshida-modoki No information	<i>Deparia okuboana</i> × <i>D. pterorachis</i> Japanese name: O-meshida-modoki No information	<i>Deparia okuboana</i> × <i>D. pterorachis</i> Japanese name: O-meshida-modoki No information
<i>Deparia otomasui</i> (Sa.Kurata) Seriz. Japanese name: Aso-shikeshida	<i>Deparia otomasui</i> (Sa.Kurata) Seriz. Japanese name: Aso-shikeshida	<i>Deparia otomasui</i> (Sa.Kurata) Seriz. Japanese name: Aso-shikeshida	<i>Deparia otomasui</i> (Sa.Kurata) Seriz. Japanese name: Aso-shikeshida
<i>Deparia petrsenii</i> (Kunze) M.Kato var. <i>petrsenii</i> Japanese name: Nachi-shikeshida	<i>Deparia petrsenii</i> (Kunze) M.Kato var. <i>petrsenii</i> Japanese name: Nachi-shikeshida	<i>Deparia petrsenii</i> (Kunze) M.Kato var. <i>petrsenii</i> Japanese name: Nachi-shikeshida	<i>Deparia petrsenii</i> (Kunze) M.Kato var. <i>petrsenii</i> Japanese name: Nachi-shikeshida
<i>Deparia petrsenii</i> (Kunze) M.Kato var. <i>yakusimensis</i> (H.Itô) M.Kato Japanese name: Hime-shikeshida	<i>Deparia petrsenii</i> (Kunze) M.Kato var. <i>yakusimensis</i> (H.Itô) M.Kato Japanese name: Hime-shikeshida	<i>Deparia petrsenii</i> (Kunze) M.Kato var. <i>yakusimensis</i> (H.Itô) M.Kato Japanese name: Hime-shikeshida	<i>Deparia petrsenii</i> (Kunze) M.Kato var. <i>yakusimensis</i> (H.Itô) M.Kato Japanese name: Hime-shikeshida
<i>Deparia pseudoconilii</i> (Seriz.) Seriz. Japanese name: Fumoto-shikeshida No information	<i>Deparia pseudoconilii</i> (Seriz.) Seriz. Japanese name: Fumoto-shikeshida No information	<i>Deparia pseudoconilii</i> (Seriz.) Seriz. Japanese name: Fumoto-shikeshida No information	<i>Deparia pseudoconilii</i> (Seriz.) Seriz. Japanese name: Fumoto-shikeshida No information
<i>Deparia pterorachis</i> (H.Christ) M.Kato Japanese name: O-meshida	<i>Deparia pterorachis</i> (H.Christ) M.Kato Japanese name: O-meshida	<i>Deparia pterorachis</i> (H.Christ) M.Kato Japanese name: O-meshida	<i>Deparia pterorachis</i> (H.Christ) M.Kato Japanese name: O-meshida
<i>Deparia pterorachis</i> × <i>D. viridifrons</i> Japanese name: Midori-omeshida No information	<i>Deparia pterorachis</i> × <i>D. viridifrons</i> Japanese name: Midori-omeshida No information	<i>Deparia pterorachis</i> × <i>D. viridifrons</i> Japanese name: Midori-omeshida No information	<i>Deparia pterorachis</i> × <i>D. viridifrons</i> Japanese name: Midori-omeshida No information
<i>Deparia pycnosora</i> (H.Christ) M.Kato s.l. Japanese name: Miyama-shikeshida	<i>Deparia pycnosora</i> (H.Christ) M.Kato s.l. Japanese name: Miyama-shikeshida	<i>Deparia pycnosora</i> (H.Christ) M.Kato s.l. Japanese name: Miyama-shikeshida	<i>Deparia pycnosora</i> (H.Christ) M.Kato s.l. Japanese name: Miyama-shikeshida
<i>Deparia pycnosora</i> (H.Christ) M.Kato var. <i>albosquamata</i> M.Kato Japanese name: Hakumo-inode No information	<i>Deparia pycnosora</i> (H.Christ) M.Kato var. <i>albosquamata</i> M.Kato Japanese name: Hakumo-inode No information	<i>Deparia pycnosora</i> (H.Christ) M.Kato var. <i>albosquamata</i> M.Kato Japanese name: Hakumo-inode No information	<i>Deparia pycnosora</i> (H.Christ) M.Kato var. <i>albosquamata</i> M.Kato Japanese name: Hakumo-inode No information
<i>Deparia pycnosora</i> (H.Christ) M.Kato var. <i>nucilagina</i> M.Kato Japanese name: Usuge-miyama-shikeshida No information	<i>Deparia pycnosora</i> (H.Christ) M.Kato var. <i>nucilagina</i> M.Kato Japanese name: Usuge-miyama-shikeshida No information	<i>Deparia pycnosora</i> (H.Christ) M.Kato var. <i>nucilagina</i> M.Kato Japanese name: Usuge-miyama-shikeshida No information	<i>Deparia pycnosora</i> (H.Christ) M.Kato var. <i>nucilagina</i> M.Kato Japanese name: Usuge-miyama-shikeshida No information
<i>Deparia pycnosora</i> (H.Christ) M.Kato var. <i>pycnosora</i> Japanese name: Miyama-shikeshida	<i>Deparia pycnosora</i> (H.Christ) M.Kato var. <i>pycnosora</i> Japanese name: Miyama-shikeshida	<i>Deparia pycnosora</i> (H.Christ) M.Kato var. <i>pycnosora</i> Japanese name: Miyama-shikeshida	<i>Deparia pycnosora</i> (H.Christ) M.Kato var. <i>pycnosora</i> Japanese name: Miyama-shikeshida

* The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
No information			
<i>Deparia pycnosora</i> (H.Christ) M.Kato var. <i>vegetius</i> Sa.Kurata*			
Japanese name: O-hakumo-inode			
n=40	2x sex	Mt.Myokosan, Niigata Pref.	Hirabayashi,1970b
n=40	2x sex	Togakushi-Okusya, Nagano Pref.	Mitui,1980
<i>Deparia unifurcata</i> (Baker) M.Kato			
Japanese name: O-hime-warabi-modoki			
n=120	3x apo	Cultivated in Tokyo Univ. of Education	Mitui,1965
n=120	3x apo	Cultivated in Botanical Garden, Univ. of Tokyo	Kurita,1966b
n=120	3x apo	Cultivated in Tokyo Univ. of Education	Mitui,1968
n=120	3x apo	Kanagokei, Yamaguchi Pref.	Hirabayashi,1970b
<i>Deparia viridifrons</i> (Makino) M.Kato			
Japanese name: Midori-warabi			
n=40	2x sex	Kiyosuniyama, Chiba Pref.	Kurita,1963a
n=40	2x sex	Cultivated in Tokyo Univ. of Education	Mitui,1966a
n=40	2x sex	Cultivated in Tokyo Univ. of Education	Mitui,1968
n=40	2x sex	Chiba Pref.	Hirabayashi,1970b
<i>Diplazium</i> Sw.: $x=40, 41$; ploidy of Japanese plants = 2x, 3x, 4x, 5x, 6x			
<i>Diplazium amamianum</i> Tagawa			
Japanese name: Amami-shida			
2n=82	2x sex	Amamioshima Isl., Kagoshima Pref.	Nakato,1990
<i>Diplazium amamianum</i> × <i>D. doederleinii</i>			
Japanese name: Kinsaku-shida			
No information			
<i>Diplazium</i> × <i>bittyuense</i> Tagawa			
Japanese name: Bichu-hikage-warabi			
(2n=c164)	4x irr	Misakubo, Shizuoka Pref.	Kurita,1967a
<i>Diplazium cavalerianum</i> (H.Christ) M.Kato			
Japanese name: Iwaya-shida			
2n=164	4x	Ugakyō, Hiroshima Pref.	Tatuno & Okada,1970
<i>Diplazium chinense</i> (Baker) C.Chr.			
Japanese name: Hikage-warabi			
n=41	2x sex	Cultivated in Botanical Garden, Univ. of Tokyo	Mitui,1968
n=82	4x sex	No locality given	Kurita,1962
<i>Diplazium crassiusculum</i> Ching			
Japanese name: Ibutake-kinobori-shida			
No information			
<i>Diplazium dilatatum</i> × ?<i>D. virescens</i>			
Japanese name: ?			
No information			
<i>Diplazium dilatatum</i> Blume var. <i>dilatatum</i>			
Japanese name: Hiroha-nokogiri-shida			

* This taxon is not listed in Iwatsuki *et al.* (1995) and the scientific name follows Nakaike (1992).

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
$2n=82$	$2x$	Amamioshima Isl., Kagoshima Pref.	Tatuno & Okada,1970
$2n=123$	$3x$	Cultivated in Botanical Garden, Univ. of Tokyo	Tatuno & Okada,1970
<i>Diplazium dilatatum</i> Blume var. <i>heterolepis</i> Seriz.			
Japanese name: Nise-hiroha-nokogiri-shida			
No information			
<i>Diplazium doederleinii</i> (Luerss.) Makino			
Japanese name: Shima-shiroyama-shida			
$n=123$	$3x$ apo	Yakushima Isl., Kagoshima Pref.	Kurita,1965a
<i>Diplazium donianum</i> × ?<i>D. yaoshanense</i>			
Japanese name: ?			
No information			
<i>Diplazium donianum</i> (Mett.) Tard. var. <i>aphanoneuron</i> (Ohwi) Tagawa			
Japanese name: Atsuba-kinobori-shida			
$2n=123$	$3x$ irr	Yakushima Isl., Kagoshima	Nakato,1988
<i>Diplazium donianum</i> (Mett.) Tard. var. <i>donianum</i>			
Japanese name: Kinobori-shida			
$n=164$	$4x$ apo	Amamioshima Isl., Kagoshima Pref.	Mitui,1967b
$n=164$	$4x$ apo	Amamioshima Isl., Kagoshima Pref.	Mitui,1968
<i>Diplazium esculentum</i> (Retz.) Sw.			
Japanese name: Kuware-shida			
$2n=82$	$2x$	Cultivated in Hiroshima Univ.	Tatuno & Okada,1970
<i>Diplazium fauriei</i> × <i>D. nipponicum</i>			
Japanese name: Seitaka-miyama-nokogirishida			
No information			
<i>Diplazium formosanum</i> Rosenst.			
Japanese name: Jako-shida			
$n=41$	$2x$ sex	Yakushima Isl., Kagoshima Pref.	Hirabayashi,1970b
$n=41$	$2x$ sex	Yakushima Isl., Kagoshima Pref.	Kurita,1972
<i>Diplazium griffithii</i> T.Moore			
Japanese name: Hiroha-miyama-nokogiri-shida			
No information			
<i>Diplazium hachijoense</i> Nakai			
Japanese name: Shiroyama-shida			
$n=123$	$3x$ apo	Mt.Ogasayama, Shizuoka Pref.	Kurita,1967a
<i>Diplazium hachijoense</i> × <i>D. nipponicum</i>			
Japanese name: Tango-warabi			
No information			
<i>Diplazium hachijoense</i> × <i>D. virescens</i> var. <i>contermium</i>			
Japanese name: Mikumano-shida			
No information			
<i>Diplazium</i> × <i>hutohamum</i> Sa.Kurata ex Seriz.			
Japanese name: Futo-warabi			

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
No information			
<i>Diplazium incomptum</i> Tagawa			
Japanese name: Nise-shikechi-shida			
No information			
<i>Diplazium</i> × <i>kawabatae</i> Sa.Kurata			
Japanese name: Mocchomu-shida			
No information			
<i>Diplazium kawakamii</i> Hayata var. <i>kawakamii</i>			
Japanese name: Ao-iga-warabi			
No information			
<i>Diplazium kawakamii</i> Hayata var. <i>subglabrata</i> Tagawa			
Japanese name: Usuge-aoiga-warabi			
No information			
<i>Diplazium</i> × <i>kidoi</i> Sa.Kurata			
Japanese name: Fukuregi-kujaku			
(2n=82)	2x irr	Cultivated in Botanical Garden, Univ. of Tokyo	Mitui,1968
<i>Diplazium lobatum</i> (Tagawa) Tagawa			
Japanese name: Kireba-kinobori-shida			
No information			
<i>Diplazium longicarpum</i> Kodama			
Japanese name: Shima-kujaku			
No information			
<i>Diplazium mesosorum</i> (Makino) Koidz.			
Japanese name: Nuri-warabi			
n=40	2x sex	Mt.Gozenyama, Tokyo Pref.*	Kurita,1960
n=40	2x sex	Cultivated in Tokyo Univ. of Education	Mitui,1968
n=40	2x sex	Takaosan, Tokyo Pref.	Hirabayashi,1970b
n=41	2x sex	Kifune, Kyoto Pref.	Kato,1975
2n=82	2x	Itsukaichi, Tokyo Pref.; Kifune, Kyoto Pref.	Mitui,1980
<i>Diplazium mettenianum</i> (Miq.) C.Chr. var. <i>fauriei</i> (H.Christ) Tagawa			
Japanese name: Hosoba-nokogiri-shida			
No information			
<i>Diplazium mettenianum</i> (Miq.) C.Chr. var. <i>mettenianum</i>			
Japanese name: Miyama-nokogiri-shida			
n=82	4x sex	Yugashima & Mt.Ogasayama, Shizuoka Pref.	Kurita,1967a
<i>Diplazium mettenianum</i> (Miq.) C.Chr. var. <i>tennifolium</i> Sa.Kurata			
Japanese name: Usuba-miyama-nokogiri-shida			
No information			
<i>Diplazium nipponicum</i> Tagawa			
Japanese name: Oni-hikage-warabi			
(2n=123)	3x irr	Yugashima, Shizuoka Pref.	Kurita,1962
n=82	4x sex	Sutsukeikoku, Shizuoka Pref.	Shimura,1979

* The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Diplazium okudairae</i> Makino			
Japanese name: Iyo-kujaku <i>n</i> =41	2x sex	Naidajin, Kumamoto Pref.	Hirabayashi,1970b
<i>Diplazium</i> × <i>okudairaeoides</i> Sa.Kurata			
Japanese name: Akame-kujaku No information			
<i>Diplazium</i> × <i>owaseanum</i> Sa.Kurata			
Japanese name: Owase-shida No information			
<i>Diplazium pin-faense</i> Ching			
Japanese name: Fukuregi-shida <i>n</i> =41	2x sex	Amakusa Isl., Kumamoto Pref.	Kurita,1965a
<i>n</i> =41	2x sex	Satsumagori, Kagoshima Pref.	Hirabayashi,1970b
<i>Diplazium pullingeri</i> (Baker) J.Smith			
Japanese name: Hankoku-shida No information			
<i>Diplazium</i> × <i>satumense</i> Sa.Kurata			
Japanese name: Satsuma-kujaku No information			
<i>Diplazium sibiricum</i> (Turcz. ex Kunze) Sa.Kurata var. <i>glabrum</i> (Tagawa) Sa.Kurata			
Japanese name: Miyama-shida (2 <i>n</i> =120)	3x irr	Mt.Toyoguchiyama & Sugadaira, Nagano Pref.;	Mitui,1970
		Mt.Nyugasayama, Yamanashi Pref.	
<i>n</i> =80	4x sex	Futase, Saitama Pref.	Mitui,1968
<i>n</i> =82	4x sex	Mt.Togakushi, Nagano Pref.	Mitui,1986
<i>Diplazium sibiricum</i> (Turcz. ex Kunze) Sa.Kurata var. <i>sibiricum</i>			
Japanese name: Kitano-miyamashida No information			
<i>Diplazium sibiricum</i> var. <i>glabrum</i> × <i>D. squamigerum</i>			
Japanese name: Miyama-kiyotaki-shida No information			
<i>Diplazium squamigerum</i> (Mett.) Matsum.			
Japanese name: Kiyotaki-shida <i>n</i> =c80	4x sex	Takagoyama, Chiba Pref.*	Kurita,1967b
<i>n</i> =80	4x sex	Hanno City, Saitama Pref.	Mitui,1968
<i>n</i> =82	4x sex	Hanyuda, Niigata Pref.	Mitui,1980
2 <i>n</i> =164	4x sex	Tagami, Niigata Pref.	Mitui,1986
<i>Diplazium subsinuatum</i> (Wall ex Hook. et Grev.) Tagawa			
Japanese name: Hera-shida <i>n</i> =80, 2 <i>n</i> =160	4x sex	Otokoyama, Kyoto Pref.; Yunotsuru, Kumamoto Pref.	Nakato & Mitui,1979
2 <i>n</i> =160	4x	Ashikubo, Shizuoka Pref.; Asuka, Nara Pref.;	Nakato & Mitui,1979
		Iwayasan, Nagasaki Pref.	

* The locality name was not mentioned in the original paper.

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
(2n=200), 2n=200	5x irr	Kiyosumiyama, Chiba Pref.; Yugashima, Shizuoka Pref.; Izumo, Shimane Pref.	Nakato & Mitui,1979
2n=200	5x	Mitsuishiyama, Chiba Pref.; Kawazu & Ajino, Shizuoka Pref.; Kuki, Mie Pref.	Nakato & Mitui,1979
n=120, 2n=240	6x sex	Jinmuji, Kanagawa Pref.; Izumo City, Shimane Pref.	Nakato & Mitui,1979
n=123	6x sex	Jinmuji, Kanagawa Pref.	Mitui,1965
n=123	6x sex	Jinmuji, Kanagawa Pref.	Mitui,1968
2n=240	6x	Yakushima Isl. & Amamioshima Isl., Kagoshima Pref.; Iriomotejima Isl., Okinawa Pref.	Nakato & Mitui,1979
2n=c240	6x	Miyakejima Isl., Tokyo Pref.	Nakato & Mitui,1979

***Diplazium subtripinnatum* Nakai**

Japanese name: Munin-midori-shida

No information

***Diplazium taiwanense* Tagawa**

Japanese name: Nise-shiroyama-shida

No information

***Diplazium × takii* Sa.Kurata**

Japanese name: Hyuga-shida

n=123 3x apo Mt.Moroishi, Miyazaki Pref.

Shimura,1980

***Diplazium tetsu-yamanakae* Sa.Kurata**

Japanese name: Isa-warabi

No information

***Diplazium tomitaroanum* Masam.**

Japanese name: Nokogiri-herashida

2n=200 5x irr Aogashima Isl., Tokyo Pref.; Yakushima Isl. & Okinoerabujima Isl., Kagoshima Pref.

Nakato,1987b

n=123 6x sex Cultivated in Botanical Garden, Univ. of Tokyo

Mitui,1967b

n=123 6x sex Cultivated in Botanical Garden, Univ. of Tokyo

Mitui,1968

***Diplazium × torianum* Sa.Kurata**

Japanese name: Dando-shida

No information

***Diplazium virescens* Kunze var. *conterminum* (H.Christ) Sa.Kurata**

Japanese name: Nise-kokumo-kujaku

No information

***Diplazium virescens* Kunze var. *okinawaense* (Tagawa) Sa.Kurata**

Japanese name: Okinawa-kokumo-kujaku

No information

Diplazium virescens* Kunze var. *virescens

Japanese name: Kokumō-kujaku

2n=123 3x apo Yakushima Isl., Kagoshima Pref.

Nakato,1987b

***Diplazium wichurae* (Mett.) Diels var. *amabile* Tagawa**

Japanese name: Hime-nokogiri-shida

n=41 2x sex Yakushima Isl., Kagoshima Pref.

Kurita,1965a

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
<i>Diplazium wichurae</i> (Mett.) Diels var. <i>wichurae</i>			
Japanese name: Nokogiri-shida			
$n=41, 2n=82$	2x sex	Kiyosumiyama, Chiba Pref.; Mt.Ogasayama, Shizuoka Pref.	Kurita,1963a
$2n=82$	2x	Oboke, Tokushima Pref.	Tatuno & Okada,1970
<i>Diplazium yakumontanum</i> Tagawa			
Japanese name: Yakushima-warabi			
No information			
<i>Diplazium yaoshanense</i> (Y.C.Wu) Tardieu			
Japanese name: Hokozaki-nokogiri-shida			
No information			
<i>Gymnocarpium</i> Newman: $x=40$; ploidy of Japanese plants = 2x, 4x			
<i>Gymnocarpium</i> × <i>bipinnatifidum</i> Miyam.			
Japanese name: O-ebirashida			
No information			
<i>Gymnocarpium dryopteris</i> (L.) Newman			
Japanese name: Usagi-shida			
No information			
<i>Gymnocarpium jessoense</i> (Koidz.) Koidz.			
Japanese name: Iwa-usagishida			
$n=40$	2x sex	Mt.Toyoguchiyama, Nagano Pref.	Mitui,1970
<i>Gymnocarpium oyamense</i> (Baker) Ching			
Japanese name: Ebira-shida			
$n=40$	2x sex	Futase, Saitama Pref.	Mitui,1968
$n=40$	2x sex	Chichibu, Saitama Pref.	Hirabayashi,1969b
$n=80$	4x sex	Ohma, Shizuoka Pref.	Kurita,1962
<i>Gymnocarpium oyamense</i> (Baker) Ching var. <i>kusamae</i> H.Itô			
Japanese name: Kireha-ebirashida			
No information			
<i>Hypodematium</i> Kunze: $x=40, 41$ (non-Japanese species); ploidy of Japanese plants = 4x			
<i>Hypodematium crenatum</i> (Forssk.) Kuhn subsp. <i>fauriei</i> (Kodama) K.Iwats.			
Japanese name: Kinmo-warabi			
$n=80$	4x sex	Sano, Tochigi Pref.	Kurita,1965a
$n=80$	4x sex	Nippara, Tokyo Pref.	Mitui,1970
<i>Hypodematium fordii</i> (Baker) Ching			
Japanese name: Ryukyu-kinmo-warabi			
No information			
<i>Hypodematium glanduloso-pilosum</i> (Tagawa) Ohwi			
Japanese name: Ke-kinmo-warabi			
No information			

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
Matteuccia Tod.: $x=39, 40$; ploidy of Japanese plants = $2x$			
<i>Matteuccia struthiopteris</i> (L.) Tod.			
Japanese name: Kusa-sotetsu			
$n=40$	$2x$ sex	Hokkaido Pref.	Okuno,1936
$n=40$	$2x$ sex	Cultivated in Tokyo Univ. of Education	Mitui,1965
$n=40$	$2x$ sex	Cultivated in Tokyo Univ. of Education	Mitui,1968
$n=39$	$2x$ sex	Mt.Togakushiyama, Nagano Pref.; Bentenyama, Tochigi Pref.; Mt.Bukosan, Saitama Pref.	Kurita,1976
$2n=78$	$2x$	Higashiyamato, Tokyo Pref.	Kato <i>et al.</i> ,1991
<i>Onoclea</i> L.: $x=37, 40$; ploidy of Japanese plants = $2x$			
<i>Onoclea orientalis</i> (Hook.) Hook.			
Japanese name: Inu-gansoku			
$n=40$	$2x$ sex	Hokkaido Pref.	Okuno,1936
$n=40$	$2x$ sex	Kikugawa, Shizuoka Pref.	Kurita,1961
$2n=80$	$2x$	Mitaki, Hiroshima Pref.	Tatuno & Okada,1970
$2n=80$	$2x$	Tanzawa, Kanagawa Pref.	Kato <i>et al.</i> ,1991
<i>Onoclea sensibilis</i> L. var. <i>interrupta</i> Maxim.			
Japanese name: Koya-warabi			
$n=37$	$2x$ sex	Sekiyama, Niigata Pref.	Mitui,1975
<i>Woodsia</i> R. Br.: $x=33, 41$; ploidy of Japanese plants = $2x, 4x$			
<i>Woodsia glabella</i> R.Br. ex Rich.			
Japanese name: Togakushi-denda			
$n=c40$	$2x$ sex	Mt.Toyoguchiyama, Nagano Pref.	Mitui,1970
<i>Woodsia ilvensis</i> (L.) R.Br.			
Japanese name: Miyama-iwadenda			
No information			
<i>Woodsia intermedia</i> Tagawa			
Japanese name: Inu-iwadenda			
$n=82$	$4x$ sex	Enneikyō, Hiroshima Pref.	Shimura & Matsumoto,1975
<i>Woodsia macrochalaena</i> Mett. ex Kuhn			
Japanese name: Kogane-shida			
$n=41$	$2x$ sex	Mt.Togakushiyama, Nagano Pref.	Kurita,1965b
$n=41$	$2x$ sex	Futase, Saitama Pref.	Mitui,1966a
$n=41$	$2x$ sex	Futase, Saitama Pref.	Mitui,1968
<i>Woodsia manchuriensis</i> Hook.			
Japanese name: Fukuro-shida			
$n=33, 2n=66$	$2x$ sex	Antatoma, Hokkaido Pref.; Okutama Tokyo Pref.	Kurita,1965b
$n=33$	$2x$ sex	Mt.Gozenyama, Tokyo Pref.	Mitui,1965
$n=33$	$2x$ sex	Mt.Gozenyama, Tokyo Pref.	Mitui,1968
<i>Woodsia polystichoides</i> D.C.Eaton			
Japanese name: Iwa-denda			
$n=41$	$2x$ sex	Ohma, Shizuoka Pref.; Kawaguchiko, Yamanashi Pref.	Kurita,1961
$n=41$	$2x$ sex	Futase, Saitama Pref.	Mitui,1968

Taxon and chromosome number	Ploidy and reproduction	Locality	Reference
$n=41$	2x sex	Azusayama, Nagano Pref.	Hirabayashi,1969b
$2n=82$	2x	Cultivated in Botanical Garden, Univ. of Tokyo	Tatuno & Okada,1970

***Woodsia subcordata* Turcz.**

Japanese name: Kitadake-denda

$n=82$, $2n=164$	4x sex	Mt.Teineyama, Hokkaido Pref.; Mt.Kitadake, Yamanashi Pref.	Takamiya,1993b
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