

## Types in REN

Type	Genus	Species	Author	Information on label	Taxonomic information
Isotype	Agrestia	cyphellata	J.W. Thomson		
Holotype	Anaptychia	congoensis	Kurokawa		
Cotypus	Anzia	madagascariensis	Abbayes	Montagne au N de Mangindrano (hte Maevarano) jusqu'aux sommets d'Ambohimirahavavy (pratique des eaux Mahavavy-Andrarango: Centre-Nord) lys a 8e Voyage Lichens sur lateride de Gneiss. Alt 2000-2200m. M. H. Humbert. 1950-51. KOH+ yellow, C-, P+ red/ P-	
Topotypus	Cladonia	brevis	(Sandst.) Sandst.	Germany: Oldenburg, Sandhatten. Leg. Sandstede 1919	probably psoromic acid strain of Cl. subcariosa P+ yellow-orange. Ahti 1998
Isolectotype	Cladonia	calycantha var. exilior	Abbayes	Panama, Chiriquí, Chiriquí Volcano, 1941, P. F. Scholander s.n.	syn. Cladonia cf. rappii det. Ahti 1998
Isotype	Cladonia	congregata	H. Magn	USA, Iles Hawaii, Kanai, Waialeale, near summit +- 1500m on stones, H.B.S., 1938 (n°5600, type!) dedit et dert em Magnusson, 1952. K+ jaune intense, P+ orangé-rouge, thamnolic, squamatic, didymic	conf. Ahti 1998
isotype	Cladonia	congregata f. subfarinosa	H. Magn		conf. Ahti 1998
Isolectotype	Cladonia	dactylota	Tuck.	Wright: Lich. Cubae n°30	Cladonia dactylota Tuck. Ahti & Stenroos, 1998
Isolectotype	Cladonia	decaryana f. cristata	Abbayes	Madagascar: forêt orientale, Vallée du Sakaleona, leg. Decary, 1939. K-, P+ jaune vif	conf. Stenroos & Ahti 1998
Lectotype	Cladonia	decaryana f. subulata	Abbayes	Madagascar: forêt orientale, vallée du Sakaleona, leg. Decary, 1939	syn. Cladonia fruticulosa det. Ahti 1998
Isotype	Cladonia	diplotypa f. valida	Abbayes	Madagascar, Fianarantsoa, Bassin de l'itomampy, Mont Papanga near Béfotaka, 1300-1700 m, 1928, H. Humbert s.n. KOH+ jaune, P+ orange rouge	syn Cladonia valida det. Stenroos 1990
Lectotype	Cladonia	dubia	Abbayes	Ivory Coast, Man, Mont Tonkoui, Rocher aux Sacrifices, 1948, H. des Abbayes s.n. Fumarprotocetraric acid, protocetraric acid, unknown Cph-2	syn. Cladonia cf. ramulosa det. Ahti 1986
Lectotype	Cladonia	fauriei	Abbayes	Iles Sandwhich (Hawaii): Kauai: Frances Gay summer house, alt 1000m; Leg. Faurie 1910Gn°344. usnic acid, did ymic acid, condidymic acid, thamnolic acid + 4 unknowns	syn. Cladonia kauaiensis det. Ahti&Stenroos 1986
Isolectotype	Cladonia	fruticulosa	Kremp.	Australia, Queensland, Rockingham Bay, J. Dallachy s.n., Ferd. Mueller. fumarprotocetraric acid, protocetraric acid, unknown Cph-2, ursolic acid	Stenroos 1986

Isolectotype	Cladonia	gracilis subvar. campbelliana	(Vain.) Vain.	New Zealand: Campbell Island. Expédition astronomique à l'île Campbell. Leg: M. Filhol. 1874	syn. Cladonia sarmentosa (Vain.) Gyela. Ahti, 1998
Isotype	Cladonia	hokkaidensis	Asahina	Japan: Tomweaushi (1700m), Daisetsu mountain range. Hakkaido. Leg: M. Togashi, 20-7-1969 det et misit. Asahina, 4-1970	conf. Ahti & Stenroos, 1998
Isotype	Cladonia	mauiensis	H. Magn	USA: Hawaii, Maui, Haleakala, Kula pipe line, on stumps, alt. 1200m. Leg. V. Katsbery, 1922. no. 1167. det. Magnusson 1952. Note: Magnusson described his species as sterile and to be placed in the group of fimbriata-pytirea. On this specimen are though small apothecia, which makes a placement in the coccifera group or maybe it's a Cl. Didyma	conf. Stenroos 1998
Isolectotype	Cladonia	metacorallifera	Asahina		Det. Stenroos 1998
Isotype	Cladonia	nitida	Ahti	Tonkin [Vietnam], Vodivato, 1889, R.-P. Bon 1703.	
Lectotype A	Cladonia	nylanderi f. cervicorniformis	Abbayes	France: Loire Atlantique, Préfailles , Falaises maritimes. Des Abbayes. August 1936	
Isolectotype	Cladonia	perplexa	Abbayes	Madagascar, Fort-Dauphin, en touffes sur les rocailles au soleil, leg. R. Decary 1932. KOH-, P-	conf. Stenroos 1990
Isotype	Cladonia	pityrea var. subareolata	Vainio	K- P+ orange, + Cladonia subareolata	Cladonia borbonica coll. Ahti & Stenroos 1998
Isolectotype	Cladonia	pleurota var. esorediata	Asahina	Japon: Norikura, Prov. Shinano. Alpine region. Leg. Asahina 1939.no 1318919/10/2007 . usnic acid, zeorin, isousnic, conporphyritic?, 2 terpenes, fatty acid Ahti 1981 no. 449	syn. Cladonia pleurota (Firk.) Schaer. det. Ahti & Srenroos 1986
Isotype	Cladonia	poeciloclada	Abbayes	South Africa, Cape Province, District Knysna, Tsitzikama (Tjitjikama) Mts., Plaat Forest near Storms River, 1949, on fallen decayed tree in clearing in tall forest, sheltered, +/- 200m alt. Leg.R. A. Maas Geesteranus 6647 (I). fumar protocetraric, protocetraric, unknown cyat-1, cph-2, Ahti 1981, no. 428	syn. Cladonia borbonica det. Ahti 1991
Isolectotype	Cladonia	polytypa	Vain.	Brazil: Carassa. 1885. ex herb. Wainio no. 15243. K+ intense yellow, P+ orange orange	conf. Ahti & Stenroos 1998
Isolectotype	Cladonia	pseudodidyma	Asahina	Japon: Mt Bukô, Prov. Musashi. Leg. Asahina. 270. K- P-	conf. Ahti & Stenroos 1998
Isotype	Cladonia	pseudomacilenta	Asahina	Japon: Nikko, lac Chugenji. Leg. Kato. Comm. Asahina	conf. Ahti & Stenroos 1998
Isolectotype	Cladonia	pseudorangiformis	Asahina	Japon: Shirouma-Norikura, Prov. Shinano. Leg. Asahina. 22 VIII. 1936 No. 36228	conf. Ahti 1998
Isotype	Cladonia	pseudosipeana	Gyelnik	USA: Oregon, Cobury mountain, near Eugene, Lane Co. F.P. Sipe no.489. May, 1932. thamnolic strain	Cladonia bellidiflora (Ach.) Schaer. Ahti & Stenroos, April 1998

Lectotype	Cladonia	rangiformis var. pungens f. aberrans	Abbayes	Spain: Sierra del Cabo de Gata. Leg. V. et P. Allorge. 17, IV, 1935/19/10/2007 fumarprotocetraric, protocetraric, 2 unknown, rangiformic, norrangiformic Ahti 1981, no. 477	syn. Cladonia rangiformis fumarprotocetraric acid chemotype. Det. Ahti 1979
Isolectotype	Cladonia	rhodoleuca f. subscyphifera	Vain.	Brazil: Carassa. Leg: E. Wainio, 1885. ex herb. Wainio no. 15178. K+ yellow, P+ orange-red	syn. Cladonia rhodoleuca Vain. Stenross&Ahti 1998
Lectotype	Cladonia	salzmannii f. ascypha	Abbayes	Guyana: Amakura river, North West District, lat. 8° 10'N, long 60°W. Leg: J.S. Delabruz, March 23-30 1923. Plants of British Guyana ... by H.A. Gleason, New York Botanical Garden no. 3547. ex herb. Kew. 1945. Barbatic acid, thamnolic acid ? Unknown brown. Ahti 1981 no. 434	syn. Cladonia sipmanii det. Ahti & Stenroos 1998
Isolectotype	Cladonia	scholanderi	Abbayes	Panama, Chiriquí, Volcán Chiriquí, 1941, P. F. Scholander s.n. KOH+ yellow, P+ orange-red, usnic acid, thamnolic acid	conf. Ahti & Stenroos 1998
Cotypus	Cladonia	seretii	Duvign		
Isotype	Cladonia	sipeana	Gyelnik	USA: Oregon, Cobury mountain, near Eugena, Lane Co. . Leg. F.P. Sipe no. 690, May, 1932	syn. Cladonia transcendens det Ahti & Stenroos 1998
Isolectotype	Cladonia	sphacelata	Vainio	Brazil: Carassa in prov Minarum. Leg: E. Wainio, 1885. ex herb. Wainio no.15194 (1962)	conf. Ahti & Stenroos 1998
Holotype	Cladonia	staufferi	Abbayes	Australia, Victoria, Australian Alps, Mt. Baw-Baw, 1600m, dichte grosse Rasen.1963, H. U. Stauffer 5458. K- vel fere P+ flav. Thallus avidum psoromicum microchemice monstratum continens.	conf. Ahti 1998
Isolectotype	Cladonia	stereoclada	Abbayes	Azores, Faial, 1937, H. des Abbayes s.n. K- P+ rubescens	conf. Stenroos 1998
Isotype	Cladonia	subisabellina	Abbayes	Venezuela, Estado Merida, Laguna Mana, Sierra de Santo Domingo. On rocks, alt. 3450m. Leg R. Dennis, 31-7-1958. Pars speciminis typici a herb. Kew ad des Abbayes missi, 1959-61 . K-, P+ rubescens, acidum fumarprotocetraricum microchimice monstratum continens	syn. Cladonia isabellina det. Stenroos 1998
Isolectotype	Cladonia	submultiformis	Asahina	China, Prov. Takao, Formosa, Mt Taijurin, 1941, S. Inumaru 5970. atranorin, homosekekaic, fumarprotocetr, +2 unknown	conf. Ahti 1992
Isotype, pars typi	Cladonia	subpungens	Abbayes	South Africa, Cape Province, District Wellington, Bains Kloof, on rocks near the waterfall, 1953, O. Almborn 5067. K-, P-	
Typus	Cladonia	subcernicornis f. climatodes	Abbayes		
Holotype	Cladonia	tixieri	Abbayes	Vietnam, Dalat region, Manline, 1959, P. Tixier s.n. acidum fumarprotocetrareum ...	conf. Ahti 1985
Cotypus	Dermatocarpon	abbayesi	B. de Lesd.		

Type	Enterographa	Jorgei	Veveda et Verout		
Type	Gorgadesia	mira	Tavares		
Pars typi	Lecanactis	vivantii	Veveda		
Isotype	Leptogium	nanum	Herre		
syntype	Neuropogon	taylorii	Hook Nyl		
TYPYUS	Parmelia	abstrusoides	Abbayes		
TYPYUS	Parmelia	ambositrana	Abbayes		
Isotype	Parmelia	coralliformis	Hale		
Typus	Parmelia	cryptoxantha	Abbayes		
Typus	Parmelia	dolosa	Abbayes		
Paratype	Parmelia	haitiensis	Hale		
Typus	Parmelia	inexpectata	Abbayes		
Typus	Parmelia	laevigatoides	Abbayes		
Typus	Parmelia	lophogena	Abbayes		
TYPUS	Parmelia	miranda	Hale		
Typus photo et Syntype	Parmelia	ontakensis	Asahina		
Type	Parmelia	pseudocrinita	Abbayes		
Typus	Parmelia	segreganda	Abbayes		
Typus	Parmelia	subarnoldii	Abbayes		
TYPUS	Parmelia	subcetrarioides	Abbayes		
Typus	Parmelia	suberadicata	Abbayes		
Isotypus	Parmelia	virginica	Hale		
Isotype	Parmelia	viridiflava	Hale	Mexico: Lagos de Monte Bello near the Mexico-Guatemala border, about 50km. Southeast of Comitán; Mature pine forest elev 1220m on deciduous tree. Leg: Mason E. Hale and T.R. Soderstrom no 20415. March 25, 1960. protocetraric acid, usnic +	
Isotypus	Pyrgillopsis	ivorensis	Sant		
isotypus	Racodium	trichophorum	Sandst.		
part of type	Ramalina	australis	Magn.		
Typus	Stereocaulon	coralloides var. flabellatum	Fr. Frey		
Typus anceps	Usnea	lediveci och anceps	Duvign		
typus	Usnea	perspinosa	Motyka		
Cotypus	Usnea	pulvinata	Fries		