

Fig. 1.

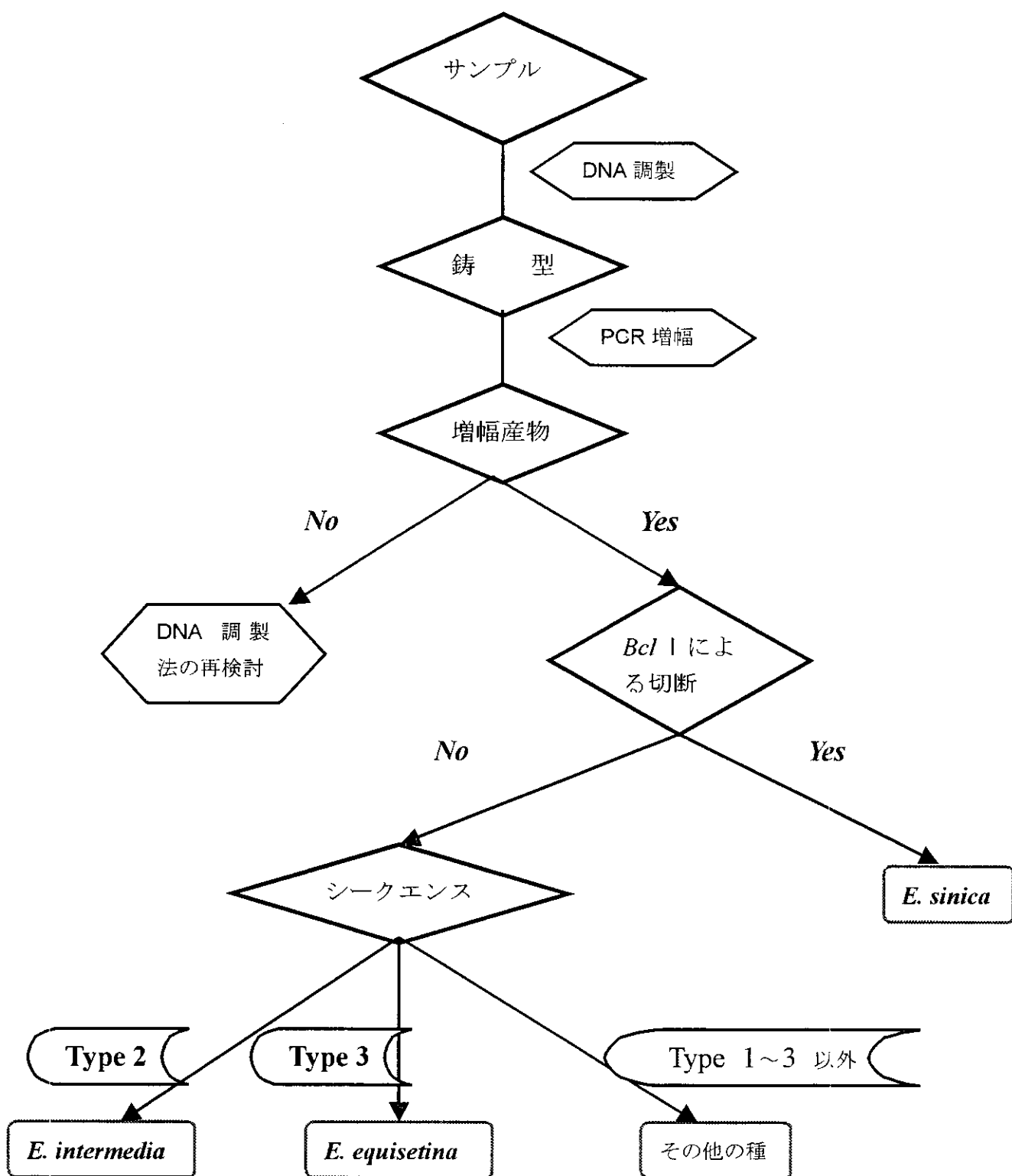


図2 ChlB 遺伝子配列に基づく *Ephedra* 属植物の種鑑別

Investigation and Study of Medicinal Plants found in Nepal for their Conservation and Sustainable Development, 2001

ID. Number	Scientific Name	Family Name	科名	Quantity	Collected Date	Collector	Locality	Altitude(m)	Remarks	S.N.	Local Name (Nepali)
NPL-SP011213(001)	<i>Artemisia dubia</i> Walt ex DC.	Compositae	キク科	1	14.10.001	Dr. Tikesh Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Jumla, Air port	2350	A tall herb, head greenish.	001	
NPL-SP011213(002)	<i>Chenopodium album</i> Linn.	Compositae	キク科	1	14.10.001	Dr. Tikesh Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Jumla, Air port	2350	A tall herb, flower greenish.	002	Bethe, Bethuva, Ikanca
NPL-SP011213(003)	<i>Potentilla fulgens</i> Wall.	Rosaceae	バラ科	1	14.10.001	Dr. Tikesh Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Jumla, Dhilachaur	2500	Perennial herb on open place.	003	
NPL-SP011213(004)	<i>Urena lobata</i> Linn.	Malvaceae	アオイ科	1	16.10.001	Dr. Tikesh Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Banke, Nepalgunj	180	Herb, flower pink.	004	
NPL-SP011213(005)	<i>Pistia stratiotes</i> Linn.	Araceae	サトイモ科	1	16.10.001	Dr. Tikesh Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Banke, Nepalgunj	180	Aquatic herb.	005	Kumbhika
NPL-SP011213(006)	<i>Hemigraphis hirta</i> T. Anders.	Acanthaceae	キツネノマゴ科	1	16.10.001	Dr. Tikesh Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Banke, Nepalgunj	180	Prostrate herb, flower purplish-blue.	006	-
NPL-SP011213(007)	<i>Ruellia beddomei</i> C.B. Clarke	Acanthaceae	キツネノマゴ科	1	16.10.001	Dr. Tikesh Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Banke, Nepalgunj	180	Herb, flower blue.	007	-
NPL-SP011213(008)	<i>Vitex negundo</i> Linn.	Verbenaceae	クマツツラ科	1	16.10.001	Dr. Tikesh Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Banke, Nepalgunj	180	Shrub, flower blue.	008	Indrayani, Simali.
NPL-SP011213(009)	<i>Sida cordifolia</i> Linn.	Malvaceae	アオイ科	1	16.10.001	Dr. Tikesh Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Banke, Nepalgunj	180	Herb, flower yellow.	009	
NPL-SP011213(010)	<i>Clitoria ternatea</i> Linn.	Leguminosae (Papilionaceae)	マメ科	1	16.10.001	Dr. Tikesh Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Banke, Nepalgunj	180	Cultivated climber, flower blue.	010	Aparajita
NPL-SP011213(011)	<i>Cyatula tomentosa</i> L.	Amaranthaceae	ヒユ科	1	05.11.001	Dr. Tikesh Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Lalitpur, Kitini	1500	Straggling shrub, flower white.	011	
NPL-SP011213(012)	<i>Phyllanthus parvifolius</i> Buch.-Ham. ex D. Don	Euphorbiaceae	トウダイグサ科	1	05.11.001	Dr. Tikesh Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Lalitpur, Kitini	1500	Shrub, leaves reddish pink.	012	Kareto, Thulo Khareto
NPL-SP011213(013)	<i>Drymaria diandra</i> Blume	Caryophyllaceae	ナデシコ科	1	05.11.001	Dr. Tikesh Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Lalitpur, Kitini	1500	Diffused herb, flower white.	013	Abijalo, Kholca ghayen

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ID. Number	Scientific Name	Family Name	科名	Quantity	Collected Date	Collector	Locality	Altitude(m)	Remarks	S.N.	Local Name (Nepali)
NPL-SP011213(014)	<i>Hedera nepalensis</i> K.Koch	Araliaceae	ウコギ科	1	05.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	Lalitpur, Kitimi	1510	Woody climber, flower greenish yellow.	014	
NPL-SP011213(015)	<i>Boeminghausenia albiflora</i> (Hook.) Reichenb. ex Meissn.	Rutaceae	ミカン科	1	05.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	Lalitpur, Kitimi	1510	Perennial herb, flower white.	015	Dampate, Hirimiri, Makhe mauro, Ankuri
NPL-SP011213(016)	<i>Fragaria nubicola</i> Lindl. ex Lacaille	Rosaceae	バラ科	1	05.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	Lalitpur, Kitimi	1510	Runner, fruit red.	016	Bhui ainselu
NPL-SP011213(017)	<i>Ageratum conyzoides</i> Linn.	Compositae	キク科	1	05.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	Lalitpur, Kitimi	1510	Herb, flower blue.	017	Ganaune jhar
NPL-SP011213(018)	<i>Urtica dioica</i> Linn.	Urticaceae	イラクサ科	1	05.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	Lalitpur, Kitimi	1510	Perennial herb, leaves with stinging hairs.	018	Lekha sisnu, Nhkakan.Polo, Sisnu, Jhya.
NPL-SP011213(019)	<i>Cuphea procumbens</i> Cav.	Lythraceae	ミンソハギ科	1	05.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	Lalitpur, Kitimi	1500	Procumbent herb, flower purple.	019	
NPL-SP011213(020)	<i>Prunus cerasoides</i> D. Don	Rosaceae	バラ科	1	05.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	Lalitpur, Kitimi	1500	Small tree, flower pinkish.	020	Painyu
NPL-SP011213(021)	<i>Asclepias curassavica</i> Linn.	Asclepiadaceae	ガガイモ科	1	05.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	Lalitpur, Kitimi	1480	Perennial herb, flower deep red.	021	Khorsani phula, Khursani kose phul, Macha phul
NPL-SP011213(022)	<i>Galinsolga quadriradiata</i> Ruiz & Pavon	Compositae	キク科	1	05.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	Lalitpur, Kitimi	1480	Herb, ray floret white, disc floret yellow.	022	
NPL-SP011213(023)	<i>Rubia manjith</i> Roxb. ex Fleming.	Rubiaceae	アカネ科	1	05.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	Lalitpur, Kitimi	1480	Climbing herb, ripe fruit black.	023	
NPL-SP011213(024)	<i>Bidens biternata</i> (Lour.) Merr. & Sheriff	Compositae	キク科	1	05.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	Lalitpur, Kitimi	1500	Herb, ray floret white, disc floret yellow.	024	
NPL-SP011213(025)	<i>Holmskioldia sanguinea</i> Retz	Verbenaceae	クマツヅラ科	1	05.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	Lalitpur, Kitimi	1500	Straggling shrub, flower orange-red.	025	Jhule phul
NPL-SP011213(026)	<i>Reinwardtia indica</i> Dumortier	Linaceae	アマ科	1	06.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	Lalitpur, Kitimi	1500	Undershrub, flower yellow.	026	
NPL-SP011213(027)	<i>Zizyphus incurva</i> Roxb.	Celastraceae	ニシキギ科	1	06.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	Lalitpur, Kitimi	1500	Medium size tree, fruit black.	027	

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ID. Number	Scientific Name	Family Name	科名	Quantity	Collected Date	Collector	Locality	Altitude(m)	Remarks	S.N.	Local Name (Nepali)
NPL-SP011213(028)	<i>Sarcococca coriacea</i> (Hook.) Sweet	Buxaceae	ツグ科	1	06.11.001	Dr. Takashi Watanabe, Mr. Punam Prasad Karki, and Mr. K.J. Malla	Lalitpur, Kitini	1500	Small shrub, flower greenish.	028	Phuphiya
NPL-SP011213(029)	<i>Tetrasigma serrulatum</i> (Roxb.) Planch.	Vitaceae	ブドウ科	1	06.11.001	Dr. Takashi Watanabe, Mr. Punam Prasad Karki, and Mr. K.J. Malla	Lalitpur, Kitini	1500	Climber, fruit black.	029	
NPL-SP011213(030)	<i>Fissocopa scandens</i> Lour.	Commelinaceae	ツユクサ科	1	06.11.001	Dr. Takashi Watanabe, Mr. Punam Prasad Karki, and Mr. K.J. Malla	Lalitpur, Kitini	1500	Herbs. Petal blue	030	Kane
NPL-SP011213(031)	<i>Neolitsea umbrosa</i> (Nees) Gamble	Lauraceae	クスノキ科	1	06.11.001	Dr. Takashi Watanabe, Mr. Punam Prasad Karki, and Mr. K.J. Malla	Lalitpur, Kitini	1500	Tree, flower bud brown.	031	Khapate, Phephe, Potele, Putali
NPL-SP011213(032)	<i>Ilex excelsa</i> Wall. ex Hook. f. = Syn. <i>I. daniata</i> DC.	Aquifoliaceae	モチノキ科	1	06.11.001	Dr. Takashi Watanabe, Mr. Punam Prasad Karki, and Mr. K.J. Malla	Lalitpur, Kitini	1500	Small size tree, fruit red	032	
NPL-SP011213(033)	<i>Strobilanthes atropurpurea</i> Nees	Acanthaceae	キツネノマゴ科	1	06.11.001	Dr. Takashi Watanabe, Mr. Punam Prasad Karki, and Mr. K.J. Malla	Lalitpur, Kitini	1500	Herb, flower blue.	033	Kibbu
NPL-SP011213(034)	<i>Dicliptera bupleuroides</i> Nees	Acanthaceae	キツネノマゴ科	1	06.11.001	Dr. Takashi Watanabe, Mr. Punam Prasad Karki, and Mr. K.J. Malla	Lalitpur, Kitini	1500	Herb, flower purple.	034	
NPL-SP011213(035)	<i>Nicanandra physaloides</i> Gaertn.	Solanaceae	ナス科	1	06.11.001	Dr. Takashi Watanabe, Mr. Punam Prasad Karki, and Mr. K.J. Malla	Lalitpur, Kitini	1500	Tall herb, flower bluish.	035	shmagoli
NPL-SP011213(036)	<i>Solanum nigrum</i> Linn.	Solanaceae	ナス科	1	06.11.001	Dr. Takashi Watanabe, Mr. Punam Prasad Karki, and Mr. K.J. Malla	Lalitpur, Kitini	1500	Herb, flower white.	036	Bhutaka, Bhutukul, Hasva, Jangali vihi, Kak maci, Kaifkamai, Kalo kmai, Kamai, Kamari, Na swav
NPL-SP011213(037)	<i>Ipomoea purpurea</i> (Linn.) Roth.	Convolvulaceae	ヒルガオ科	1	06.11.001	Dr. Takashi Watanabe, Mr. Punam Prasad Karki, and Mr. K.J. Malla	Lalitpur, Kitini	1500	Climber, corolla purple.	037	
NPL-SP011213(038)	<i>Euphorbia hirta</i> Linn. = Syn. <i>Chamaesyce hirta</i> (L.) Mill. sp.	Euphorbiaceae	トウダイグサ科	1	07.11.001	Dr. Takashi Watanabe, Mr. Punam Prasad Karki, and Mr. K.J. Malla	KTM., Thapathali	1300	Prostrate herb, flower greenish.	038	
NPL-SP011213(039)	<i>Spilanthes acmella</i> (L.) Murr.	Compositae	キク科	1	07.11.001	Dr. Takashi Watanabe, Mr. Punam Prasad Karki, and Mr. K.J. Malla	KTM., Thapathali	1300	Ascending herb, head yellow.	039	Lato ghans
NPL-SP011213(040)	<i>Oxalis latifolia</i> HB.K.	Oxalidaceae	カタハミ科	1	07.11.001	Dr. Takashi Watanabe, Mr. Punam Prasad Karki, and Mr. K.J. Malla	KTM., Thapathali	1300	Perennial herb, flower deep purple.	040	Cari amilo
NPL-SP011213(041)	<i>Physalis peruviana</i> Linn.	Solanaceae	ナス科	1	08.11.001	Dr. Takashi Watanabe, Mr. Punam Prasad Karki, and Mr. K.J. Malla	Lalitpur, Kitini	1520	Straggling herb, flower yellowish.	041	Istumgol, Jangali, Rasebari

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ID. Number	Scientific Name	Family Name	科名	Quantity	Collected Date	Collector	Locality	Altitude(m)	Remarks	S.N.	Local Name (Nepali)
NPL-SP011213(042)	<i>Clematis buchananiana</i> DC.	Ranunculaceae	キンボウゲ科	1	08.11.001	Dr. Takashi Watanabe, Mr. Puenna Prasad Karki, and Mr. K.J. Malla	Lalitpur, Kitimi	1520	Climbing shrub, flower creamy.	042	Junge lahara, Bhedha lahara, Vaghe junghe
NPL-SP011213(043)	<i>Imula cappa</i> DC.	Compositae	キク科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puenna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Shrub, head yellow.	043	Gai thare, Kan pate
NPL-SP011213(044)	<i>Anaphalis margaritacea</i> (L.) Benth. et Hook. f.	Compositae	キク科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puenna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Erect herb, flower white.	044	Phosorosan
NPL-SP011213(045)	<i>Anaphalis triplinervis</i> (Sims.) C.B. Clarke	Compositae	キク科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puenna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Erect herb, head white.	045	Phosorosan
NPL-SP011213(046)	<i>Desmodium</i> sp.	Leguminosae	マメ科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puenna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Herb, pod brownish black	046	
NPL-SP011213(047)	<i>Rabdosia coesta</i> (Buch.-Ham. ex D.Don) Hara	Labiatae	シソ科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puenna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Herb, flower violet	047	
NPL-SP011213(048)	<i>Crotalaria cytisoides</i> Roxb. ex DC.	Leguminosae	マメ科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puenna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Much branched shrub, pod green.	048	Cemgi phul
NPL-SP011213(049)	<i>Phyllanthus clarkei</i> Hook. f.	Euphorbiaceae	トウダイクサ科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puenna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Shrub, fruit blackish	049	
NPL-SP011213(050)	<i>Elaeostylis flava</i> Benth.	Labiatae	シソ科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puenna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Undershrub, flower greenish	050	Sopsop, Van silam
NPL-SP011213(051)	<i>Debregeasia longifolia</i> (Burm.f.) Wedd. = Syn. <i>Debregeasia velutina</i> Gaudich.	Urticaceae	イラクサ科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puenna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Tall shrub, fruit orange yellow.	051	
NPL-SP011213(052)	<i>Oreocnide fruticosa</i> Hand.-Mazz. = Syn. <i>Boehmeria frutescens</i> D. Don	Urticaceae	イラクサ科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puenna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Small tree, fruits greenish	052	
NPL-SP011213(053)	<i>Boehmeria platyphylla</i> D. Don	Urticaceae	イラクサ科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puenna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Shrub, flower greenish.	053	Gargalo
NPL-SP011213(054)	<i>Abnus nepalensis</i> D. Don	Betulaceae	カハノキ科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puenna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Big tree, male catkin yellowish.	054	Urtis
NPL-SP011213(055)	<i>Indigofera doxua</i> Buch.-Ham. ex D. Don	Leguminosae (Papilionaceae)	マメ科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puenna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Shrub, pod cylindrical	055	Dushi swan
NPL-SP011213(056)	<i>Lindenbergia grandiflora</i> (Hamilt.) Benth.	Scrophulariaceae	ゴマノハグサ科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puenna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Herb, flower yellow.	056	Bhendi phul

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ID. Number	Scientific Name	Family Name	科名	Quantity	Collected Date	Collector	Locality	Altitude(m)	Remarks	S.N.	Local Name (Nepali)
NPL-SP011213(057)	<i>Bidens bipinnata</i> Linn.	Compositae	キク科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puoma Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Erect herb, head yellow.	057	
NPL-SP011213(058)	<i>Carex cruciata</i> Wahlentb. In Vet.-Akad. = Syn. <i>Carex ramosa</i> Schkuhr	Cyperaceae	カヤツリグサ科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puoma Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Herb, Glumes brown	058	Lamo hat katuva
NPL-SP011213(059)	<i>Carex baccans</i> Nees ex Wight	Cyperaceae	カヤツリグサ科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puoma Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Herb, fruit berry red	059	
NPL-SP011213(060)	<i>Miscanthus nepalensis</i> (Trin.) Hack. In DC	Gramineae	イネ科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puoma Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Tall grass, spikelets golden yellow	060	
NPL-SP011213(061)	<i>Dobinea vulgaris</i> Buch.-Ham. ex D. Don	Aceraceae	カエデ科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puoma Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Shrub, fruit compressed.	061	Sangle
NPL-SP011213(062)	<i>Lantana camara</i> Linn.	Verbenaceae	クマツヅラ科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puoma Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Undershrub, flower orange.	062	Masino kanda. Van phanda. Vanphanda kanda
NPL-SP011213(063)	<i>Persicaria chinensis</i> (L.) Nakai = Syn. <i>Polygonum chinense</i> Linn.	Polygonaceae	タデ科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puoma Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Undershrub, flower pinkish.	063	Bakhre thotne. Kukur thotne
NPL-SP011213(064)	<i>Scutellaria discolor</i> Colbet	Labiatae	シソ科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puoma Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Herb, flower blue.	064	Nilo butte ghans. Ratapate
NPL-SP011213(065)	<i>Osebeckia stellata</i> D. Don	Melastomaceae	ノボタン科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puoma Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Erect shrub, about 1m high.	065	Asare. Raro culsi. Thulo cuesi
NPL-SP011213(066)	<i>Solanum aculeatissimum</i> Jacq.	Solanaceae	ナス科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puoma Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Undershrub, flower white.	066	Kataiya
NPL-SP011213(067)	<i>Campylotropis speciosa</i> (Royle ex Schindler) Schindler <i>Elaeagnus laifolia</i> Linn. = Syn. <i>Elaeagnus infundibularis</i> Moriyma; = Syn. <i>Elaeagnus conferta</i> Roxb.	Leguminosae (Papilionaceae)	マメ科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puoma Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Medium size tree, fruit silvery.	068	Golli. Madilo. Timru.
NPL-SP011213(069)	<i>Rubus acuminatus</i> J.E. Smith	Rosaceae	バラ科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puoma Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Scandent shrub, fruit bright red.	069	
NPL-SP011213(070)	<i>Rubus paniculatus</i> J.E. Smith	Rosaceae	バラ科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puoma Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Rambling climber, fruit purple.	070	Kalo ainselu. Rukh ainseru.
NPL-SP011213(071)	<i>Hydrangea aspera</i> D. Don	Saxifragaceae	ユキノシタ科	1	18.11.001	Dr. Takashi Watanabe, Mr. Puoma Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Shrub, flower white.	071	Phirphire ghans

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ID. Number	Scientific Name	Family Name	科名	Quantity	Collected Date	Collector	Locality	Altitude(m)	Remarks	S.N.	Local Name (Nepali)
NPL-SP011213(072)	<i>Castanopsis indica</i> (Roxb.) A. DC.	Fagaceae	ブナ科	1	18.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Tree, inflorescence creamy.	072	Dhale katus, Dhaine katusa
NPL-SP011213(073)	<i>Senecio densiflorus</i> Wall. ex DC.	Compositae	キク科	1	18.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Shrub, flowers yellow	073	Buru laharo
NPL-SP011213(074)	<i>Goldfussia penstemonoides</i> Nees = Syn. <i>Sirobilanthes penstemonoides</i> (Nees) T. And.	Acanthaceae	キツネノマゴ科	1	18.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Herb, flower blue,	074	
NPL-SP011213(075)	<i>Ainsliaea latifolia</i> (D. Don) Schul- Bip = Syn. <i>Ainsliaea pieropoda</i> DC.	Compositae	キク科	1	18.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Herb, flower whitish	075	Sahadevasahadevi
NPL-SP011213(076)	<i>Solanum indicum</i> Linn.	Solanaceae	ナス科	1	18.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Much branched under shrub, flower blue.	076	Bihee
NPL-SP011213(077)	<i>Sambucus hookeri</i> Rehder	Caprifoliaceae	スイカズラ科	1	19.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Small tree, flower white.	077	Galeni
NPL-SP011213(078)	<i>Osbeckia nepalensis</i> Hook.	Melastomaceae	ノボタン科	1	19.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Shrub	078	
NPL-SP011213(079)	<i>Viburnum mullaha</i> Buch.-Ham. ex D. Don = Syn. <i>Viburnum stultatum</i> Wall. ex D	Caprifoliaceae	スイカズラ科	1	19.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Shrub, fruit green.	079	Mula, Mahelo, Molo, Kruse
NPL-SP011213(080)	<i>Senecio scandens</i> Buch.-Ham. ex D. Don	Compositae	キク科	1	19.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Climbing herb, flower yellow.	080	Paheli lahara
NPL-SP011213(081)	<i>Gaitheria fragrantissim</i> Wall.	Liliaceae	ツツジ科	1	19.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Shrub, flower white.	081	Cenjen, Dhasingare, Padkine, Patpte
NPL-SP011213(082)	<i>Daphne papyracea</i> Wallich ex Steud.	Thymelaeaceae	ジンチョウゲ科	1	19.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Much branched shrub, flower white.	082	Banua, Bhulu, Mahadevka, Nepali kagy
NPL-SP011213(083)	<i>Viburnum coriaceum</i> Blume = Syn. <i>Viburnum cythriticum</i> Buch.-Ham. ex D. Don	Caprifoliaceae	スイカズラ科	1	19.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Small tree, fruit green.	083	Ghode khari
NPL-SP011213(084)	<i>Smilax menispermoides</i> A. DC. = Syn. <i>Smilax elegans</i> Wall. ex Hook. f.	Liliaceae	ユリ科	1	19.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Climbing shrub, ripe fruit black.	084	
NPL-SP011213(085)	<i>Luculia gratissima</i> (Wall.) Sweet	Rubiaceae	アケボノ科	1	19.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Shrub, flower pink.	085	Daravari, Dvari, Gai phul, Van kangyo

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ID. Number	Scientific Name	Family Name	科名	Quantity	Collected Date	Collector	Locality	Altitude(m)	Remarks	S.N.	Local Name (Nepali)
NPL-SF011213(086)	<i>Leuceoptrum canum</i> J. E. Smith	Labiatae	シソ科	1	19.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	Godawari-Phulchoki	1530-2000	Small tree, flower white.	086	Bhosure, Ghubaiso
NPL-SF011213(087)	<i>Oxyspora paniculata</i> (D. Don) DC.	Melastomaceae	ノボタン科	1	19.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	Godawari-Phulchoki	1530-2000	Shrub, capsule reddish.	087	
NPL-SF011213(088)	<i>Gynura cisimbua</i> (D. Don) S. Moore = Syn. <i>Gynura angulosa</i> DC.	Compositae	キク科	1	19.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	Godawari-Phulchoki	1530-2000	Herb, head orange yellow.	088	
NPL-SF011213(089)	<i>Eurya acuminata</i> DC. Ten.	Theaceae	ツバキ科	1	19.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	Godawari-Phulchoki	1530-2000	Tree, flower white.	089	
NPL-SF011213(090)	<i>Cestrum elegans</i> Schlecht	Solanaceae	ナス科	1	19.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	Godawari-Phulchoki	1530-2000	Shrub, flower red.	090	
NPL-SF011213(091)	<i>Cassia occidentalis</i> Linn.	Compositae	キク科	1	19.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	KTM, Thapathali	1300	Shrub, flower yellow.	091	Kasaudi, Pnvar
NPL-SF011213(092)	<i>Achyranthes bidentata</i> Blume	Amaranthaceae	ヒユ科	1	19.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	KTM, Thapathali	1300	Herb, utricle green.	092	Daitivan, Rate apamarga
NPL-SF011213(093)	<i>Saurauia nepalensis</i> DC.	Saurauitaceae	ドクダミ科	1	19.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	Godawari-Phulchoki	1530-2000	Tree, flower pinkish white.	093	
NPL-SF011213(094)	<i>Oxalis corniculata</i> L.	Oxalidaceae	カタハミ科	1	19.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	Godawari-Phulchoki	1530-2000	Diffused creeping herb, flower yellow	094	Carenala, Cari amilo, Kyurpu, Paun ghayen
NPL-SF011213(095)	<i>Clinopodium umbrosum</i> (M.F.) C Koch = Syn. <i>Calamintha umbrosa</i> Fisch. et Mey.	Labiatae	シソ科	1	19.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	Godawari-Phulchoki	1530-2000	Herb, flower purplish	095	Bilajor
NPL-SF011213(096)	<i>Anemone vitifolia</i> Buch.-Ham. ex DC.	Ranunculaceae	キンポウゲ科	1	19.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	Godawari-Phulchoki	1530-2000	Herb, fruit white woolly	096	Kaptase
NPL-SF011213(097)	?	Celastraceae	ニシギキ科	1	19.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	Godawari-Phulchoki	1530-2000	Small tree, fruit green	097	
NPL-SF011213(098)	<i>Rhamnus nipalensis</i> M. Lawson.	Celastraceae	ニシギキ科	1	19.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	Godawari-Phulchoki	1530-2000	Tree, fruit black	098	Cille kath
NPL-SF011213(099)	<i>Gerbera maxima</i> (D. Don) Beauv. = Syn. <i>Gerbera macrophylla</i> Benth.	Compositae	キク科	1	19.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Mehta	Godawari-Phulchoki	1530-2000	Herb, flowers dirty white	099	

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ID. Number	Scientific Name	Family Name	科名	Quantity	Collected Date	Collector	Locality	Altitude(m)	Remarks	S.N.	Local Name (Nepali)
NPL-SP011213(100)	<i>Rabdosia lophanthoides</i> (Buch.-Ham. ex D. Don) Hara. = Syn. <i>Plectranthus striatus</i> Benth. var. <i>gerardianus</i> (Benth.) Hara, <i>Plectranthus Gerardianus</i> Benth.	Labiatae	シソ科	1	19.11.001	Dr. Tikashi Watanabe, Mr. Punna Prasad Kurmi, and Mr. K.J. Malla	Godawari-Phulchoki	1530-2000	Herb, Corolla purplish	100	Masino carpate
NPL-SP011213(101)	<i>Piantago erosa</i> Wall. = Syn. <i>Piantago major</i> Linn.	Plantaginaceae	オオハコ科	1	30.11.001	Dr. Tikashi Watanabe, Mr. Punna Prasad Kurmi, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Perennial herb, flower greenish white.	101	Isabgol
NPL-SP011213(102)	<i>Cuscuta reflexa</i> Linn.	Convolvulaceae	ヒルガオ科	1	30.11.001	Dr. Tikashi Watanabe, Mr. Punna Prasad Kurmi, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Parasitic, yellowish green herb, flower white.	102	Akasveri. Amar lata. Amarvel
NPL-SP011213(103)	<i>Prinsopia utilis</i> Royte	Rosaceae	バラ科	1	30.11.001	Dr. Tikashi Watanabe, Mr. Punna Prasad Kurmi, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Shrub, flower white.	103	Bhekali. Dhatelo
NPL-SP011213(104)	<i>Barleria cristata</i> Linn	Acanthaceae	キツネノマゴ科	1	30.11.001	Dr. Tikashi Watanabe, Mr. Punna Prasad Kurmi, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Shrub, capsule black.	104	Bhere-kuro. Bheede kurro. Katsariya. Lari phul
NPL-SP011213(105)	<i>Indigofera hebeptala</i> Benth.	Leguminosae	マメ科	1	30.11.001	Dr. Tikashi Watanabe, Mr. Punna Prasad Kurmi, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Shrub, pod cylindrical.	105	Roiro
NPL-SP011213(106)	<i>Cassia floribunda</i> Cav. = Syn. <i>Cassia laevigata</i> Willd.	Leguminosae	マメ科	1	30.11.001	Dr. Tikashi Watanabe, Mr. Punna Prasad Kurmi, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Shrub, flower yellow.	106	Chinchine
NPL-SP011213(107)	<i>Ranunculus scleratioides</i> Perfl. ex. Overzinn.	Ranunculaceae	キンポウゲ科	1	30.11.001	Dr. Tikashi Watanabe, Mr. Punna Prasad Kurmi, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Herb, flower yellow.	107	
NPL-SP011213(108)	<i>Acontogonium molle</i> (D. Don) Hara = Syn. <i>Polygonum molle</i> D. Don	Polygonaceae	タデ科	1	30.11.001	Dr. Tikashi Watanabe, Mr. Punna Prasad Kurmi, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Shrub, fruit pinkish.	108	Patu svan. Thofoe. Tukou
NPL-SP011213(109)	<i>Persicaria posumbu</i> (D. Don) H. Gross = Syn. <i>Polygonum posumbu</i> Ham. ex D. Don	Polygonaceae	タデ科	1	30.11.001	Dr. Tikashi Watanabe, Mr. Punna Prasad Kurmi, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Prostrate herb, flower white.	109	
NPL-SP011213(110)	<i>Solanum torvum</i> Swartz	Solanaceae	ナス科	1	30.11.001	Dr. Tikashi Watanabe, Mr. Punna Prasad Kurmi, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Shrub, flower white.	110	Bihi. Cusai. Kacer. Kacera. Thulo bihin.
NPL-SP011213(111)	<i>Nicotiana plumbaginifolia</i> Viviani	Solanaceae	ナス科	1	30.11.001	Dr. Tikashi Watanabe, Mr. Punna Prasad Kurmi, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Herb, flower white.	111	
NPL-SP011213(112)	<i>Nicotiana tabacum</i> L. (cultivated)	Solanaceae	ナス科	1	30.11.001	Dr. Tikashi Watanabe, Mr. Punna Prasad Kurmi, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Tall herb, flower pinkish white.	112	Suri. Kancapat
NPL-SP011213(113)	<i>Ageratum houstonianum</i> Mill.	Compositae	キク科	1	30.11.001	Dr. Tikashi Watanabe, Mr. Punna Prasad Kurmi, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Herb, flower blue.	113	

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ID. Number	Scientific Name	Family Name	科名	Quantity	Collected Date	Collector	Locality	Altitude(m)	Remarks	S.N.	Local Name (Nepali)
NPL-SP011213(114)	<i>Schima wallichii</i> (DC.) Korth.	Theaceae	ツバキ科	1	30.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Tree, fruit green.	114	Aule chilaune, Chilaune, Gof cassi, Sule chilauni.
NPL-SP011213(115)	<i>Spermatoclyon suaveolens</i> Roxb. = Syn. <i>Hamiltoria suaveolens</i> Roxb.	Caprifoliaceae	スイカズラ科	1	30.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Shrub, flower blue.	115	Benacampa
NPL-SP011213(116)	<i>Scutellaria scandens</i> Buch.-Ham. ex D. Don = Syn. <i>Scutellaria angulosa</i> Benth.	Labiatae	シソ科	1	30.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Scandent, perennial herb, flower bluish.	116	Kankame
NPL-SP011213(117)	<i>Aster trinervius</i> Roxb.	Compositae	キク科	1	30.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Herb, flower white.	117	Mendosan
NPL-SP011213(118)	<i>Colabrookea oppositifolia</i> J. E. Smith	Labiatae	シソ科	1	30.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Shrub, flower white.	118	Dhusure, Dosro, Dosul, Sitaroma.
NPL-SP011213(119)	<i>Datura suaveolens</i> Humb. et Bonpl. ex Willd.	Solanaceae	ナス科	1	30.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Shrub, flower white.	119	Dhature phui
NPL-SP011213(120)	<i>Thysanolaena maxima</i> (Roxb.) O. Kuntze = Syn. <i>Thysanolaena agrostis</i> Nees.	Gramineae	イネ科	1	30.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Perennial grass.	120	Amaliso, Amareso
NPL-SP011213(121)	<i>Timbergia coccinea</i> Wail.	Acanthaceae	キツネノマゴ科	1	30.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Climber, flower red.	121	Singarne lahara
NPL-SP011213(122)	<i>Lobelia pyramidalis</i> Wall.	Lobeliaceae	ミスカケシ科	1	30.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Tall herb, fruit greenish	122	Deu nigalo, Eklevir, Yeklevir
NPL-SP011213(123)	<i>Euphorbia heterophylla</i> Linn.	Euphorbiaceae	トウダイグサ科	1	30.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Herb, fruit green	123	
NPL-SP011213(124)	<i>Cramotome versicolor</i> Reichb. = Syn. <i>Cramotome furcata</i> (Link) O. Kuntze	Labiatae	シソ科	1	30.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Herb, flower white	124	
NPL-SP011213(125)	<i>Chenopodium ambrosioides</i> Linn.	Chenopodiaceae	アカザ科	1	30.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Herb, Fruit green	125	Rato latte
NPL-SP011213(126)	<i>Lepidurus incurvus</i> (L.) Janchen ?	Gramineae	イネ科	1	30.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Prostrate herb, flower white	126	
NPL-SP011213(127)	<i>Anaphalis contorta</i> (D. Don) Hook. f.	Compositae	キク科	1	30.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Herb, flower white	127	Pansan
NPL-SP011213(128)	?	Labiatae	シソ科	1	30.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Lalitpur, Godamchauri	480	Herb	128	

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ID. Number	Scientific Name	Family Name	科名	Quantity	Collected Date	Collector	Locality	Altitude(m)	Remarks	S.N.	Local Name (Nepali)
NPL-SP011213(129)	?			1	30.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Lalipur, Godamchauri	480		129	
NPL-SP011213(130)	?			1	30.11.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	Lalipur, Godamchauri	480		130	
NPL-SP011213(131)	<i>Plumbago zeylanica</i> Linn.	Plumbaginaceae	イソマツ科	1	3.12.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	KTM., Sankhmoor	1300	Undershrub, flower white	131	Citu
NPL-SP011213(132)	<i>Amaranthus spinosus</i> Linn.	Amaranthaceae	ヒユ科	1	3.12.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	KTM., Sankhmoor	1300	Herb, flower greenish.	132	Kande lude, Katari, Kathgajyan, Luren latte, Vakanca, Van lunde
NPL-SP011213(133)	<i>Amaranthus viridis</i> L.	Amaranthaceae	ヒユ科	1	3.12.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	KTM., Sankhmoor	1300	Herb, flower greenish.	133	Latte sag, Lade sag, Lunde
NPL-SP011213(134)	<i>Cuscuta europea</i> L.	Convolvulaceae	ヒルガオ科	1	3.12.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	KTM., Sankhmoor	1300	Parasitic herb, flower white.	134	Sati
NPL-SP011213(135)	<i>Datura stramonium</i> Linn.	Solanaceae	ナス科	1	3.12.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	KTM., Sankhmoor	1300	Undershrub, flower white.	135	Dhaturo, Seto dhaturo
NPL-SP011213(136)	<i>Datura metel</i> Linn.	Solanaceae	ナス科	1	3.12.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	KTM., Sankhmoor	1300	Undershrub, flower violet.	136	Kalo dhaturo
NPL-SP011213(137)	<i>Jasminum</i> sp.	Oleaceae	モクセイ科	1	3.12.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	KTM., Sankhmoor	1300	Shrub, flower white.	137	
NPL-SP011213(138)	<i>Eclipta prostrata</i> Linn. = Syn. <i>Eclipta alba</i> Hassk.	Compositae	キク科	1	3.12.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	KTM., Sankhmoor	1300	Prostrate herb, flower white.	138	Atancha, Bhangertihar, Bahangela, Bhrrigraja
NPL-SP011213(139)	<i>Cestrum nocturnum</i> Linn.	Solanaceae	ナス科	1	3.12.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	KTM., Sankhmoor	1300	Shrub, flower yellowish.	139	
NPL-SP011213(140)	<i>Coix lacryma-jobi</i> Linn.	Gramineae	イネ科	1	3.12.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	KTM., Sankhmoor	1300	Tall grass, fruit black.	140	Bhirkaule, Jabe
NPL-SP011213(141)	<i>Cestrum parqui</i> L'Herit.	Solanaceae	ナス科	1	3.12.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	KTM., Sankhmoor	1300	Shrub, flower yellowish green	141	
NPL-SP011213(142)	<i>Malvastrum coromandelianum</i> Regel = Syn. <i>Malvastrum coromandelinum</i> Garcke	Malvaceae	アオイ科	1	3.12.001	Dr. Takashi Watanabe, Mr. Punna Prasad Karki, and Mr. K.J. Malla	KTM., Sankhmoor	1300	Herb, flower yellow.	142	

ネパール産さく葉標本 (研究資料) 1. - 4.

ID. Number	Scientific Name	Family Name	科名	Quantity	Collected Date	Collector	Locality	Altitude(m)	Remarks	S.N.	Local Name (Nepal)
NPL-SP011213(143)	<i>Solanum pseudo-capsicum</i> Linn.	Solanaceae	ナス科	1	3.12.001	Dr. Takashi Watanabe, Mr. Kuniaki Tsunoi, Kami, and Mr. K.J. Naito	KTM., Sankhmoool	1300	Shrub, flower white	143	
NPL-SP011213(144)	<i>Ficus</i> sp.	Moraceae	クワ科	1	12.12.001	Dr. Takashi Watanabe	Godawari, Royal Botanical Garden	1530	poisonous tree	144	
NPL-SP011213(145)	<i>Zizyphus incurva</i> Roxb.	Celastraceae	ニシキギ科	1	12.12.001	Dr. Takashi Watanabe	Godawari, Royal Botanical Garden	1530	Tree, medicinal purpose for tonic	145	
NPL-SP011213(146)	?			1	12.12.001	Dr. Takashi Watanabe	Godawari, Royal Botanical Garden	1530		146	
NPL-SP011213(147)	<i>Cinnamomum camphora</i> T. Needs & Eberm.	Lauraceae	クスノキ科	1	12.12.001	Dr. Takashi Watanabe	Godawari, Royal Botanical Garden	1530	Tree, contain with camphor	147	Kapur

ネパール産生薬リスト 3-1. & 3-2.

I.D. No.	Weight (g) 岡田 3	Nepali Name (Original)	Scientific Name	Family Name	科 (和名)	Locality	Parts	Remarks
NPL- CD000111(001)		Madialgedo	<i>Randia dimertorum</i> Lam.	Rubiaceae	アカネ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu.		
NPL- CD000111(002)	44.80	Maharangi	<i>Arnebia benthamii</i> (Wall. ex Don) Jolust.	Boraginaceae	ムラサキ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu.		
NPL- CD000111(003)		Tukiphoel	<i>Taraxacum officinale</i> Wigg.	Compositae	キク科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu.		
NPL- CD000111(004)		Geru	<i>Holarthena antidysenterica</i> Wall. ex DC.	Apocynaceae	キョウチクトウ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu.		
NPL- CD000111(005)	46.20	Indrajau	<i>Plantago major</i> L.	Plantaginaceae	オオバコ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu.		
NPL- CD000111(006)		Isabgol dana	<i>Areca catechu</i> L.	Palmae	ヤシ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu.		
NPL- CD000111(007)		Supari						
NPL- CD000111(008)		Pancha pallab						Five sacred leaves (Mangifera indica, Aegle marmelos, Ficus religiosa, Ficus benghalensis & Michelia champaca)
NPL- CD000111(009)		Nisodhi	<i>Ipomoea turpethum</i> R. Br.	Convolvulaceae	ヒルガオ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu.		
NPL- CD000111(010)	49.20	Satuwa	<i>Paris polyphylla</i> J. E. Smith	Liliaceae	ユリ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu.		
NPL- CD000111(011)		Kaiolaha						(Insects lacifer Lacca)
NPL- CD000111(012)	41.70	Samai pat	<i>Cassia angustifolia</i> Vahl	Leguminosae	マメ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu.		
NPL- CD000111(013)	43.20	Gudhar pat	<i>Gymnema sylvestris</i> R. Br.	Asclepiadaceae	ガガイモ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu.		
NPL- CD000111(014)	41.30	Neem kath	<i>Azadirachta indica</i> A. Juss.	Meliaceae	センダン科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu.		Pearl oyster (Skeleton of marine Fish), Wood
NPL- CD000111(015)	47.70	Mungrie	<i>Nigella arvensis</i> Linn.	Ranunculaceae	キンポウゲ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu.		
NPL- CD000111(016)		Gurans	<i>Rhododendron arboreum</i> J.E. Smith var. <i>campbelliae</i> (Hook f) Hook f ex Lacatia	Ericaceae	ツツジ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu.		
NPL- CD000111(017)	47.30	Kunkun	<i>Didymocarpus pedicellatus</i> R. Br.	Gesneriaceae	イワタバコ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu.		
NPL- CD000111(018)		Jamun	<i>Eugenia jambolana</i> Lam.	Myrtaceae	フトモモ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu.		
NPL- CD000111(019)		Kuchala	<i>Strychnos vomica</i> St. Lag.	Loganiaceae	ブンケツギ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu.		
NPL- CD000111(020)	46.20	Sahajira	<i>Carum carvi</i> L.	Umbelliferae	セリ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu.		
NPL- CD000111(021)		Jhyau						Lichen
NPL- CD000111(022)		Nirmasi	<i>Delphinium denudatum</i> Wall. ex Hook f. et Thoms	Ranunculaceae	キンポウゲ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu.		

ネパール産生薬リスト 3-1. & 3-2.

I.D. No.	Weight (g)- 岡田 3	Nepali Name (Original)	Scientific Name	Family Name	科 (和名)	Locality	Parts	Remarks
NPL- CD001111(023)		Mahajan phal	<i>Quercus infectoria</i> Oliv.	Cupressaceae	ヒノキ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD001111(024)		Asuropat	<i>Justicia adhatoda</i> L.	Acanthaceae	キツネノマゴ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD001111(025)	47.40	Nikamal ko phool	<i>Nelumbium nuciferum</i> Gaertn.	Nymphaeaceae	スイレン科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu	Flowers	
NPL- CD001111(026)		Bhuletro	<i>Butea monosperma</i> (Lam.) Taub.	Leguminosae	マメ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD001111(027)	49.20	Kuthi	<i>Saussurea lappa</i> C. B. Clarke	Compositae	キク科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD001111(028)	55.40	Musli	<i>Curculigo orchioides</i> Gaertn.	Amaryllidaceae	ヒガンバナ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD001111(029)		Dhupi kath	<i>Juniperus indica</i> Benth.	Cupressaceae	ヒノキ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu	Wood	
NPL- CD001111(030)		Jangali jwano				Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD001111(031)	48.00	Ashowogandha	<i>Withania somnifera</i> Don.	Solanaceae	ナス科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD001111(032)		Gokuldhoop				Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD001111(033)		Kahaaf chiuu	<i>Piper cubeba</i> Boj.	Piperaceae	コンヨウ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD001111(034)		Sano pipila	<i>Piper melleum</i> D. Don (= <i>Piper piperitoides</i> Roxb.)	Piperaceae	コンヨウ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD001111(035)		Kankol				Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD001111(036)	47.10	Bayhidanga	<i>Callicarpa arborea</i> Roxb. ex C. B. Clarke	Verbenaceae	クマツヅラ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD001111(037)		Diyalo	<i>Pinus roxburghii</i> Sargent	Pinaceae	マツ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu	Wood	
NPL- CD001111(038)	49.40	Okhar ko bokra	<i>Juglans regia</i> L. var. <i>kantonica</i> C. DC.	Juglandaceae	クルミ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu	Fruit pulp	
NPL- CD001111(039)		Aaap ko bath	<i>Mangifera indica</i> L. (cultivated)	Anacardiaceae	ウルシ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu	Wood	
NPL- CD001111(040)		Bhutekesh	<i>Selinum tenuifolium</i> Wall. ex C. B. Clarke	Umbelliferae	セリ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD001111(041)		Supa				Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD001111(042)		Pan ko jara	<i>Piper betel</i> Blanco	Piperaceae	コンヨウ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu	Root	
NPL- CD001111(043)		Stat				Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD001111(044)	53.60	Jarpal	<i>Myristica fragrans</i> Houtt.	Myristicaceae	ニクズク科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		

ネパール産生薬リスト 3-1. & 3-2.

ID. No.	Weight (g) 罫田 3	Nepali Name (Original)	Scientific Name	Family Name	科 (和名)	Locality	Parts	Remarks
NPL-CD000111(045)		Kukurdaito	<i>Smilax aspera</i> L.	Liliaceae	ユリ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL-CD000111(046)	56.70	Samudra phul	<i>Barringtonia acutangula</i> Zoll. Ex Miq.	Myrtaceae	フトモモ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu	Fruit	
NPL-CD000111(047)	54.40	Sanso	<i>Brassica campestris</i> L.	Cruciferae	アブラナ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL-CD000111(048)		Simalphool	<i>Bombax ceiba</i> Burm. f.	Bombacaceae	パンヤ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu	Flowers	
NPL-CD000111(049)		Lochi	<i>Symplocos</i> sp.	Symplocaceae	ハイノギ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL-CD000111(050)	49.60	Kesar	<i>Crocus sativus</i> Tenore	Tridaceae	アヤメ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL-CD000111(051)	54.10	Khair kath	<i>Acacia catechu</i> (L.f.) Willd.	Leguminosae	マメ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL-CD000111(052)	53.50	Devdaar	<i>Cedrus deodara</i> (Roxb. ex D. Don.) G. Don	Pinaceae	マツ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu	Bark powder	
NPL-CD000111(053)		Chansur	<i>Lepidium sativum</i> L.	Cruciferae	アブラナ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL-CD000111(054)	36.70	Anar bokra	<i>Punica granatum</i> L.	Punicaceae	ザクロ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu	Fruit epicarp	
NPL-CD000111(055)	55.20	Eplamul	<i>Piper longum</i> L.	Piperaceae	コショウ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL-CD000111(056)		Kush	<i>Desmodiahyia bipinnata</i> (L.) Stapf	Gramineae	イネ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL-CD000111(057)		Churo	<i>Berberis asiatica</i> Roxb. ex DC.	Berberidaceae	メギ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL-CD000111(058)	59.90	Timur	<i>Zanthoxylum armatum</i> DC.	Rutaceae	ミカン科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL-CD000111(059)		Taispatra	<i>Abies spectabilis</i> Spach	Pinaceae	マツ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu	Bark	
NPL-CD000111(060)		Palas papad	<i>Butea monosperma</i> (Roxb.) Tard	Leguminosae	マメ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu	Fruit	
NPL-CD000111(061)		Bhaithala	<i>Semecarpus anacardium</i> L. f.	Anacardiaceae	ウルシ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu	Seed	
NPL-CD000111(062)		Bakuchi	<i>Psoralea corylifolia</i> Linn.	Leguminosae	マメ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL-CD000111(063)		Satisgol	<i>Plantago ovata</i> Forsk.	Plantaginaceae	オオバコ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL-CD000111(064)		Dakshin supari				Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL-CD000111(065)		Seobjijara				Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL-CD000111(066)		Roopkeshari				Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL-CD000111(067)		Gokhurmundi	<i>Sphaeranthus</i> sp. (= <i>S. indicus</i> L. ?)	Compositae	キク科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		

ネパール産生薬リスト 3-1. & 3-2.

ID. No.	Weight (g) 罫田 3	Nepali Name (Original)	Scientific Name	Family Name	科 (和名)	Locality	Parts	Remarks
NPL- CD000111(068)		Bhotekhar	<i>Eskemuteryea megacarpum</i> H. Hara	Polygonaceae	タデ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD000111(069)	59.20	Tori	<i>Brassica campestris</i> Hegsischw.	Cruciferae	アブラナ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD000111(070)		Seto til	<i>Sesamum indicum</i> L.	Pedaliaceae	ゴマ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD000111(071)		Madise sop	<i>Foeniculum vulgare</i> Hill	Umbelliferae	セリ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		Vitamin
NPL- CD000111(072)		Silajit				Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD000111(073)		Nedhi	<i>Trigonella foenum-graecum</i> Linn.	Leguminosae	マメ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD000111(074)	54.30	Tulsi	<i>Ocimum sanctum</i> L.	Labiatae	シソ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD000111(075)	58.80	Kato til	<i>Sesamum indicum</i> L.	Pedaliaceae	ゴマ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD000111(076)		Thulo pipila	<i>Piper cubeba</i> Boj	Piperaceae	コショウ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD000111(077)		Nepah sup	<i>Foeniculum vulgare</i> Hill	Umbelliferae	セリ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		Local Type
NPL- CD000111(078)	53.10	Alachi	<i>Amomum subulatum</i> Roxb	Zingiberaceae	ショウガ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD000111(079)		Nagkeshari	<i>Crotocarpus longifolius</i> Benth & Hook f ex T. Anders.	Guttiferae	オトギリソウ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD000111(080)	56.70	Sillimbur	<i>Lisea cubebe</i> (Tour.) Pers. (= <i>L. citrata</i> Blume)	Lauraceae	クスノキ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD000111(081)	51.50	Kamal gatta	<i>Nymphaea stellata</i> Willd.	Nymphaeaceae	スイレン科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		Animal product
NPL- CD000111(082)		Nakhi				Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		Cuttle fish skeleton
NPL- CD000111(083)	48.10	Samundra phen				Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD000111(084)	50.30	Seto kauchho	<i>Mucuna pruri</i> Hook.	Leguminosae	マメ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD000111(085)	40.00	Rakta chandua	<i>Pterocarpus santalinus</i> L. f.	Leguminosae	マメ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD000111(086)	57.60	Saldhap	<i>Shorea robusta</i> Gaertn. f.	Dipterocarpaceae	フトバガキ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		Gall of sal
NPL- CD000111(087)	50.50	Aalas	<i>Linum usitatissimum</i> L. (cultivated)	Linaceae	アマ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD000111(088)		Bhotekhar	<i>Dioscorea</i> sp.	Dioscoreaceae	ヤマノイモ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD000111(089)	43.20	Hadlat				Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		Orpiment
NPL- CD000111(090)	42.40	Kyauiphar				Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		Camphor 樟腦 (しょうろう)

ネパール産生薬リスト 3-1. & 3-2.

I.D. No.	Weight (g) 重量	Nepali Name (Original)	Scientific Name	Family Name	科 (和名)	Locality	Parts	Remarks
NPL- CD001111(091)		Banslochun				Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		Camphor + Bamboo manna
NPL- CD001111(092)		Astasikunda Dhip	<i>Cissus quadrangularis</i> Linn. (= <i>Vitis quadrangularis</i> Cordem.)	Vitaceae	ブドウ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		
NPL- CD001111(093)		Phakiji				Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		Alumraun Salt (Allum salt)
NPL- CD001111(094)		Bal	<i>Sida acuta</i> Burm f. (= <i>S. carpinifolia</i> L. f. sensu FBI.)	Malvaceae	アオイ科	Ancient Mustang Trek & Expeditions, Mr. Rajendra Kumar Thakuri, Lazimpat, Kathmandu		

薬用生物資源の種子保存法確立における研究基盤整備に関する総合的研究 ブラジルの薬用植物種の導入と栽培法の研究

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薬用生物資源の保存に関する研究の一環として、ブラジルの薬用植物の導入と試験栽培を実施し、当該植物資源の特性に関するデータの収集を行った。現在、13科、19属、24種のブラジル産植物を保有栽培し、観察を継続している。温室内地植え株は、*Hymenaea courbaril* L.を除き、昨年に比べ、1.6～3.4倍（草丈）に成長し、順調に生育している。また、二種の植物について、日本の気候条件への適応力をみる目的で、戸外での地植え栽培を行った結果、*Coix lachryma-jobi* L.ジュズダマは世界中に広く分布する薬用植物で日本でもみられる植物であるにもかかわらず、ブラジルから導入した個体では開花結実しなかった。一方、*Araucaria angustifolia* (Bert.) O.Kuntze パラナマツは、屋外で現在高さ4m前後まで成長している。

A. 研究目的

薬用生物資源の種子保存法確立における研究基盤整備に関する総合的研究の一環として、ブラジルの薬用植物種の導入と栽培法の研究を行っている。

アマゾン地域には約五千種の薬用植物が、また、ブラジル全体ではさらに多くの薬用植物が存在するものと推定される。しかし、近年の熱帯林の急激な減少など、地球環境の破壊による自然の崩壊に伴い、天然の貴重な優良薬物資源の消失が危惧されている。そこで、緊急な課題として、資源の調査と導入および栽培法の検討を開始した。

B. 研究方法

1. 種の導入

- (1) 種苗業者、研究者からの種子の提供、
- (2) 現地調査での種子および苗の収集、
- (3) 他の園からの苗の譲受、

などの方法によって、ブラジルの薬用植物の導入を行った。

2. 栽培

種子を入手した植物は、直ちに播種し、発芽・生長の過程を観察した。また、苗を入手したものは、鉢に植え、後日、一部を地植えにした。さらに、二種の植物については、日本の気候条件への適応力を知る目的で、戸外に地植えした。植物はすべて昭和薬科大学薬用植物園内で栽培管理し、観察を行った。

C. 研究結果

1. ブラジルの薬用植物種の導入

1992年からこれまでに導入し、現在13科、19属、24種の薬用植物を栽培している(表1)。

2. 成長の記録

表2に導入植物中10種についての成長記録を示す。また、8種の現在の状況を写真で示す。

鉢植え株では成長が抑制され、わずかな成長にとどまっているが、地植え株では、*Hymenaea courbaril*を除き、1.6倍から3.4倍に成長した(草丈)。

3. 屋外での栽培の試み

日本の気候条件への適応力を知る目的で、下記の二種類の薬用植物を屋外で地植え栽培した。

(1) *Coix lacryma-jobi* L. ジュズダマ:

ブラジルでは、根を鎮咳、駆虫、リウマチに、果実の粉末を利尿、強壯、浄血、リウマチに用いる。また、稈と葉を浴剤としてリウマチに用い、煎剤として利尿、ぜん息に用いる。

温室内で開花結実していた3株を屋外圃場に地植えしたところ、葉は著しく成長し、草丈約2mに達したが、結局開花結実はせず、そのまま地上部は枯死した。枯死した地上部を防寒用に伏せておいたため、地下部は越冬して生存している。

(2) *Araucaria angustifolia* (Bert.)

O.Kuntze パラナマツ:

ブラジル南部からアルゼンチン北部に産する、高さ30~60mに達する高木で、この種子

をピニョンと呼び、食用にする。また薬用としては、葉を強壯剤として、貧血のほか衰弱したときに煎じて用いる。また、芽と材の鋸屑を咳止め、消毒剤として、気管支炎などに煎服し、浴剤として、坐骨神経痛や打傷などに用いる。

1992年12月に種子を入手し、直ちに播種し、現在、鉢植え株と地植え株がある。地植え株は屋外で高さ約4mに達している。

D. 考察

1. 地植え株は、一年間で軒並み2倍近くの成長を記録し、順調に成長している。*Hymenaea courbaril*, *Tabebuia impetiginosa*, *Carapa guianensis* はすべて、ヒカゲヘゴやバナナなどの下に定植したため、やや日照不足と考えられたが、*T. impetiginosa* と *C. guianensis* は、悪条件の中でも、順調に成長した。自生地のアマゾン熱帯林の環境は、高木が多く、樹林下は日中でも薄暗い。本来、このような環境下に自生する植物であるため、温度条件をクリアすれば、日照不足でも成長するのかもしれない。

2. 次年度はこれまで地植えしていなかった *Pilocarpus microphyllus* についても温室内に定植し、観察する予定である。今回、*P. microphyllus* は開花したものの結実には至らなかった。今後は人口受粉や天敵農薬の導入などの方法により、結実採種を試みる予定である。

3. ブラジルでは、建国の歴史を反映してか、南米原産の薬用植物以外にも、ヨーロッパやアフリカ原産の薬用植物が市場に出回ってい