

Table S1. Medicinal Plants of Asia and the Pacific yielding antibacterial and/or antifungal alkaloids

Clade	Family	Genus, species	Local name	Use	Country
Protomagnoliids	Nymphaeaceae	<i>Nuphar japonica</i> DC.	Senkotsu	Wounds	Japan
Magnoliids	Aristolochiaceae	<i>Asarum sieboldii</i> Miq. <i>Aristolochia</i> L.	Jok do ri	Fever	Korea
	Annonaceae	<i>Annona squamosa</i> L. <i>Artabotrys suaveolens</i> (Bl.) Bl. <i>Cananga odorata</i> Hook. F. and Thom <i>Goniothalamus laoticus</i> (Finet & Gagnep.) Bân <i>Polyalthia longifolia</i> (Sonn.) Thwaites	Ates Akar chenana Debdaru	Fever Cholera Boils Skin infection	the Philippines Indonesia Solomon Islands Bangladesh
	Eupomatiaceae	<i>Eupomatia laurina</i> R. Br.			
	Lauraceae	<i>Phoebe grandis</i> (Nees) Merr. <i>Phoebe lanceolata</i> (Nees) Nees	Changpichla	Leucorrhoea	Bangladeh
	Magnoliaceae	<i>Magnolia grandiflora</i> L. <i>Michelia alba</i> DC.	Cempaka puteh	Post-partum	Malaysia
	Piperaceae	<i>Piper longum</i> L. <i>Piper nigrum</i> L.f.	Pipul Hu jiao	Tuberculosis Cholera	Bangladesh China
Monocots	Amaryllidaceae	<i>Lycoris radiata</i> (L'Hér.) Herb. <i>Narcissus tazetta</i> L.	Shi suan Shui xian	Abscesses	China Abscesses China
	Dioscoreaceae	<i>Dioscorea bulbifera</i> L.	Man soen	AIDS	Thailand
	Pandanaceae	<i>Pandanus odoratus</i> Ridl.	Shanlha	Syphilis	Bangladesh
Eudicots	Berberidaceae	<i>Mahonia bealei</i> (Fortune) Carrière	Kuo ye shi da gong lao	Tuberculosis	China
	Fumariaceae	<i>Chelidonium japonicum</i> Thunb. <i>Chelidonium majus</i> L. <i>Corydalis bulbosa</i> DC. <i>Corydalis incisa</i> (Thunb.) Pers. <i>Corydalis racemosa</i> (Thunb.) Pers. <i>Fumaria indica</i> Pugsley <i>Fumaria officinalis</i> L.	Sarılık out Ke ye zi jin Xiao hua huang jin Pitpapra Shaahtara	Jaundice Turkey Boils Abscesses Abscesses Fever Fever	China China China India India
	Menispermaceae	<i>Cyclea barbata</i> Miers <i>Stephania glabra</i> (Roxb.) Miers <i>Stephania venosa</i> (Blume) Spreng <i>Stephania succifera</i> H.S. Lo & Y. Tsoong <i>Tiliacora triandra</i> Diels	Cincau hijau Muchi lota Xiao ye di bu rong Choi nang	Typhoid Mycosis Detoxification Fever	Indonesia Bangladesh China Thailand
	Papaveraceae	<i>Argemone mexicana</i> L. <i>Macleaya cordata</i> (Willd.) R. Br. <i>Papaver rhoeas</i> L.	Druju Bo Luo Hui Kopekyagi	Ulcers Ringworm Cough	Indonesia China Turkey
	Ranunculaceae	<i>Coptis chinensis</i> Franch. <i>Delphinium denudatum</i> Wall. ex Hook. f. & Thomson	Huang lian Nirbasi	Antiseptic Ulcers	China India
Fabids	Brassicaceae	<i>Capsella bursa-pastoris</i> (L.) Medik	Phol	Dysentery	Pakistan
	Cucurbitaceae	<i>Citrullus colocynthis</i> (L.) Schrad.	Tumba	Leprosy	Pakistan
	Fabaceae	<i>Indigofera tinctoria</i> L.	Nilayamari	Bronchitis	India

Fagaceae	<i>Sophora flavescens</i> Aiton	Hu shu	Sores	China
Phyllanthaceae	<i>Quercus dentata</i> Thunb.	Botolan	Boils	the Philippines
	<i>Flueggea virosa</i> (Roxb. ex Willd.) Royle			
	<i>Phyllanthus amarus</i> Schumach. & Thonn.			
Rhamnaceae	<i>Ziziphus mauritiana</i> Lam.	Putrea	Gingivitis	Vietnam

Table 2. Continuation

Clade	Family	Genus, species	Local name	Use	Country
Malvids	Amaranthaceae	<i>Achyranthes ferruginea</i> Roxb.		Boils	Bangladesh
	Chenopodiaceae	<i>Haloxylon salicornicum</i> (Moq.) Bunge ex Boiss.	Lana	Wounds	Pakistan
	Malvaceae	<i>Melochia corchorifolia</i> L.		Dysentery	India
	Simaroubaceae	<i>Brucea javanica</i> (L.) Merr.	Kom roi	Fever	Laos
	Nyctaginaceae	<i>Mirabilis jalapa</i> L.	Gul e Abas	Syphilis	Pakistan
	Nitrariaceae	<i>Peganum harmala</i> L.		Fever	Pakistan
	Rutaceae	<i>Clausena excavata</i> Burm.f.	Daw-hke	Leprosy	Daw-hke
		<i>Clausena harmandiana</i> (Pierre) Guillaumin			
		<i>Dictamnus albus</i> L.		Fever	India
		<i>Euodia rutaecarpa</i> Benth			
		<i>Lunasia amara</i> Blanco			
		<i>Glycosmis pentaphylla</i> (Retz.) DC.	Athishadla	Boils	Bangladesh
		<i>Micromelum pubescens</i> Bl.		Tuberculosis	India
		<i>Murraya koenigii</i> (L.) Spreng.	Kari patta	Fever	Bangladesh
		<i>Murraya paniculata</i> (L.) Jack			
		<i>Toddalia asiatica</i> (L.) Lam.	Dahanbaz-dahan	Jaundice	Iran
		<i>Zanthoxylum</i> L.			
Lamiids	Simaroubaceae	<i>Brucea javanica</i> (L.) Merr.	Dahun belur	Ringworm	Indonesia
	Sterculiaceae	<i>Waltheria indica</i> L.		Syphilis	the Philippines
	Acanthaceae	<i>Strobilanthes cusia</i> (Nees) Kuntze			
	Apocynaceae	<i>Alstonia scholaris</i> (L.) R.Br.	Watsil	Fever	Papua New Guinea
		<i>Ervatamia divaricata</i> (L.) Burkill	Tagar	Eye infection	Bangladesh
		<i>Rauvolfia serpentina</i> (L.) Benth. ex Kurz	Bomma yaza	Gonorrhoea	Myanmar
		<i>Holarrhena pubescens</i> Wall. ex G. Don	Dangkyam	Boils	Bangladesh
		<i>Cynanchum atratum</i> Bunge		Wounds	Korea
	Asclepiadaceae	<i>Tylophora indica</i> (Burm.f.) Merr.	Untomul	Dysentery	Bngladesh
		<i>Tournefortia sarmentosa</i> Lam	Salakapo kapu	Fever	Papua
	Boraginaceae	<i>Gentiana macrophylla</i> Pallas	Qin jiao	Tuberculosis	China
	Gentianaceae	<i>Gomphandra</i> Wall. ex Lindl.			
	Rubiaceae	<i>Borreria verticillata</i> (L.) G. Mey.	Nathaisoor	Gonorrhoea	India
		<i>Guettarda speciosa</i> L.	Hinma	Wounds	India

Asteraceae	<i>Neolamarckia cadamba</i> (Roxb.) Bosser <i>Spilanthes paniculata</i> Wall. ex DC	Kadam	Wounds Dysentery	Nepal India
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