

Supplementary Materials 1

High value plant species used to treat 'fever' by the Karen hill-tribe people: A meta-analysis

Methee Phumthum and Nicholas J. Sadgrove

List of data sources

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Supplementary Materials 2

High value plant species used to treat 'fever' by the Karen hill-tribe people: A meta-analysis

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Table S1. CI values of medicinal plant families used for fever treatment by 25 Karen villages in Thailand.

| Family | CI |
|----------------|------|
| Acanthaceae | 0.4 |
| Acoraceae | 0.12 |
| Adoxaceae | 0.04 |
| Amaryllidaceae | 0.08 |
| Anacardiaceae | 0.04 |
| Annonaceae | 0.08 |
| Apiaceae | 0.08 |
| Apocynaceae | 0.24 |
| Araceae | 0.12 |
| Asparagaceae | 0.16 |
| Asteraceae | 0.44 |
| Bignoniaceae | 0.12 |
| Burseraceae | 0.04 |
| Cannabaceae | 0.08 |
| Chloranthaceae | 0.08 |
| Clusiaceae | 0.04 |
| Euphorbiaceae | 0.24 |
| Hernandiaceae | 0.04 |
| Hypoxidaceae | 0.04 |
| Iridaceae | 0.08 |
| Lamiaceae | 0.32 |
| Lauraceae | 0.16 |
| Leguminosae | 0.72 |
| Loranthaceae | 0.12 |
| Malvaceae | 0.2 |

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|------------------|------|
| Melastomataceae | 0.12 |
| Meliaceae | 0.12 |
| Menispermaceae | 0.16 |
| Moraceae | 0.04 |
| Musaceae | 0.04 |
| Oleaceae | 0.04 |
| Phyllanthaceae | 0.12 |
| Plantaginaceae | 0.16 |
| Plumbaginaceae | 0.04 |
| Poaceae | 0.08 |
| Polygalaceae | 0.04 |
| Polypodiaceae | 0.04 |
| Ranunculaceae | 0.04 |
| Rubiaceae | 0.16 |
| Rutaceae | 0.36 |
| Salicaceae | 0.04 |
| Santalaceae | 0.04 |
| Saururaceae | 0.04 |
| Simaroubaceae | 0.12 |
| Smilacaceae | 0.08 |
| Solanaceae | 0.04 |
| Staphyleaceae | 0.04 |
| Tectariaceae | 0.04 |
| Theaceae | 0.08 |
| Thymelaeaceae | 0.04 |
| Vitaceae | 0.04 |
| Xanthorrhoeaceae | 0.04 |

Table S2 Plant part used and CI values of medicinal plant families used for fever treatment by 25 Karen villages in Thailand

| Species | Part used | CI |
|--|--------------|------|
| <i>Acacia rugata</i> (Lam.) Fawc. & Rendle | Leaves | 0.08 |
| <i>Acalypha spiciflora</i> Burm.f. | Stems | 0.04 |
| <i>Acorus calamus</i> L. | Entire plant | 0.12 |
| <i>Aglaiia lawii</i> (Wight) C.J.Saldanha | Roots | 0.04 |
| <i>Allium ascalonicum</i> L. | Stems | 0.04 |
| <i>Aloe vera</i> (L.) Burm.f. | Leaves | 0.04 |
| <i>Alstonia rostrata</i> C. E. C. Fisch. | Barks | 0.08 |
| <i>Alstonia scholaris</i> (L.) R. Br. | Barks | 0.08 |
| <i>Andrographis paniculata</i> (Burm.f.) Nees | Entire plant | 0.08 |
| <i>Aquilaria crassna</i> Pierre ex Lecomte | Barks | 0.04 |
| <i>Archidendron clypearia</i> (Jack) I.C.Nielsen | Leaves | 0.08 |
| <i>Artemisia atrovirens</i> Hand.-Mazz. | Entire plant | 0.04 |
| <i>Aspidistra elatior</i> Blume | | 0.04 |
| <i>Azadirachta indica</i> A.Juss. | Leaves | 0.04 |
| <i>Blumea balsamifera</i> (L.) DC. | Entire plant | 0.08 |

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|---|--------------|------|
| <i>Caesalpinia sappan</i> L. | | 0.04 |
| <i>Calophyllum polyanthum</i> Wall. ex Planch. & Triana | Barks | 0.04 |
| <i>Camellia sinensis</i> (L.) Kuntze | Leaves | 0.04 |
| <i>Cassytha filiformis</i> L. | Entire plant | 0.08 |
| <i>Cayratia pedata</i> (Lam.) Gagnep. | Entire plant | 0.04 |
| <i>Celtis tetrandra</i> Roxb. | Stems | 0.04 |
| <i>Celtis timorensis</i> Span. | Barks | 0.04 |
| <i>Litsea monopetala</i> (Roxb.) Pers. | Shoot | 0.04 |
| <i>Mallotus philippensis</i> (Lam.) Müll.Arg. | Stems | 0.04 |
| <i>Mayodendron igneum</i> (Kurz) Kurz | Barks | 0.04 |
| <i>Melastoma sanguineum</i> Sims. | Stems | 0.04 |
| <i>Melicope glomerata</i> (W. G. Craib) T.G. Hartley | Stems | 0.12 |
| <i>Memecylon pauciflorum</i> Blume | Leaves | 0.04 |
| <i>Micromelum integerrimum</i> (Buch.-Ham. ex DC.) Wight & Arn. ex M. Roem. | Leaves | 0.04 |
| <i>Millingtonia hortensis</i> L.f. | Aerial parts | 0.04 |
| <i>Mimosa diplotricha</i> Sauvalle | Entire plant | 0.04 |
| <i>Mimosa pigra</i> L. | Entire plant | 0.08 |
| <i>Mimosa pudica</i> L. | Entire plant | 0.16 |
| <i>Molineria capitulata</i> (Lour.) Herb. | Roots | 0.04 |
| <i>Musa acuminata</i> Colla | Stems | 0.04 |
| <i>Nyctocalos brunfelsiiflora</i> Teijsm. & Binn. | Entire plant | 0.04 |
| <i>Oenanthe javanica</i> (Blume) DC. | Shoot | 0.04 |
| <i>Osbeckia chinensis</i> L. | Entire plant | 0.04 |
| <i>Peliosanthes caesia</i> J.M.H.Shaw | Entire plant | 0.04 |
| <i>Peliosanthes macrophylla</i> Wall. ex Baker | Roots | 0.04 |
| <i>Phlogacanthus curviflorus</i> (Wall.) Nees | Entire plant | 0.04 |
| <i>Phyllanthus amarus</i> Schumach. & Thonn. | Entire plant | 0.12 |
| <i>Physalis minima</i> L. | Entire plant | 0.04 |
| <i>Picrasma javanica</i> Blume | Barks | 0.08 |
| <i>Plantago major</i> L. | Leaves | 0.04 |
| <i>Platycerium wallichii</i> Hook. | Entire plant | 0.04 |
| <i>Plectranthus amboinicus</i> (Lour.) Spreng. | Leaves | 0.04 |
| <i>Plumbago indica</i> L. | Entire plant | 0.04 |
| <i>Plumeria obtusa</i> L. | Leaves | 0.04 |
| <i>Polygala arillata</i> Buch.-Ham. ex D. Don | Roots | 0.04 |
| <i>Pothos chinensis</i> (Raf.) Merr. | Entire plant | 0.08 |
| <i>Pothos scandens</i> L. | Entire plant | 0.04 |

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|---|--------------|------|
| <i>Psychotria yunnanensis</i> Hutch. | Entire plant | 0.04 |
| <i>Pteridrys syrmatica</i> (Willd.) C. Chr. & Ching | Rhizome | 0.04 |
| <i>Rothea serrata</i> (L.) Steane & Mabb. | Entire plant | 0.08 |
| <i>Sambucus javanica</i> Blume | | 0.04 |
| <i>Sarcandra glabra</i> (Thunb.) Nakai | Entire plant | 0.04 |
| <i>Scadoxus multiflorus</i> (Martyn) Raf. | Stems | 0.04 |
| <i>Schima wallichii</i> Choisy | Roots | 0.04 |
| <i>Scoparia dulcis</i> L. | Roots | 0.12 |
| <i>Scurrula ferruginea</i> (Jack) Danser | Entire plant | 0.04 |
| <i>Senna hirsuta</i> (L.) H.S.Irwin & Barneby | Entire plant | 0.04 |
| <i>Sida acuta</i> Burm.f. | Entire plant | 0.08 |
| <i>Sida cordifolia</i> L. | Entire plant | 0.04 |
| <i>Sida rhombifolia</i> L. | Entire plant | 0.08 |
| <i>Smilax glabra</i> Roxb. | Roots | 0.04 |
| <i>Smilax luzonensis</i> C.Presl | Rhizome | 0.04 |
| <i>Spondias pinnata</i> (L. f.) Kurz | Barks | 0.04 |
| <i>Streblus asper</i> Lour. | Leaves | 0.04 |
| <i>Strobilanthes cusia</i> (Nees) Kuntze | Leaves | 0.08 |
| <i>Tadehagi triquetrum</i> (L.) H.Ohashi | Entire plant | 0.08 |
| <i>Tamarindus indica</i> L. | Shoot | 0.04 |
| <i>Thunbergia coccinea</i> Wall. | Entire plant | 0.04 |
| <i>Thunbergia laurifolia</i> Lindl. | Aerial parts | 0.08 |
| <i>Thysanolaena latifolia</i> (Roxb. ex Hornem.) Honda | Roots | 0.04 |
| <i>Tiliacora triandra</i> Diels | Roots | 0.04 |
| <i>Tinospora baenzigeri</i> Forman | Stems | 0.04 |
| <i>Tinospora crispa</i> (L.) Hook. f. & Thomson | Stems | 0.04 |
| <i>Triadica cochinchinensis</i> Lour. | Stems | 0.04 |
| <i>Turpinia pomifera</i> (Roxb.) DC. | Roots | 0.04 |
| <i>Viscum articulatum</i> Burm. f. | Entire plant | 0.04 |
| <i>Vitex trifolia</i> L. | Leaves | 0.08 |