Supplementary Table S1

**Antibacterial plant taxa used in this study**. Antibacterial plant taxa, their mechanisms of action, and corresponding GenBank numbers are tabulated. The *rbcL* sequence of another congeneric species was used when the exact species cited in the article was not available in GenBank.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Species** | **Family** | **Reference** | **Antibacterial mechanism** | **Accession number** |
| *Andrographis paniculata* | Acanthaceae | [1-3] | PN, QS/BF | JQ933217 |
| *Anacardium occidentale* | Anacardiaceae | [4,5] | QS/BF | AY462008 |
| *Centella asiatica* | Apiaceae | [6,7] | QS/BF | D44559 |
| *Cuminum cyminum* | Apiaceae | [8] | PN, QS/BF | JQ933290 |
| *Ferula asafoetida* | Apiaceae | [9] | QS/BF | KY794561 |
| *Trachyspermum ammi* | Apiaceae | [10] | QS/BF | KP974260 |
| *Gomphocarpus fruticosus* | Apocynaceae | [11] | CW/CM | HM850038 |
| *Holarrhena antidysenterica* | Apocynaceae | [2,12] | CW/CM, EP, QS/BF | AJ002884 |
| *Picralima nitida* | Apocynaceae | [13] | PN | X91766 |
| *Arisarum vulgare* | Araceae | [14] | QS/BF | HM849791 |
| *Xanthosoma spp.* | Araceae | [15] | CW/CM | AJ007543 |
| *Panax notoginseng* | Araliaceae | [16] | QS/BF | JF950030 |
| *Polyscias fulva* | Araliaceae | [17] | EP | JX572870 |
| *Schefflera actinophylla* | Araliaceae | [11] | CW/CM | KT748629 |
| *Areca catechu* | Arecaceae | [16] | QS/BF | GQ436757 |
| *Elaeis guineensis* | Arecaceae | [18] | CW/CM | AJ404830 |
| *Livistona chinensis* | Arecaceae | [19] | CW/CM, PN | AJ404757 |
| *Arctium lappa* | Asteraceae | [20] | QS/BF | KM360645 |
| *Artemisia absinthium* | Asteraceae | [21,22] | QS/BF, EP | KX581996 |
| *Eclipta alba* | Asteraceae | [23] | CW/CM | AY215108 |
| *Helichrysum spp.* | Asteraceae | [24,25] | EP | GU817766 |
| *Matricaria spp.* | Asteraceae | [26] | CW/CM | MG223597 |
| *Berberis spp.* | Berberidaceae | [27,28] | EP | KX344612 |
| *Betula verrucosa* | Betulaceae | [29] | QS/BF | KM360670 |
| *Newbouldia laevis* | Bignoniaceae | [17] | EP | KJ735962 |
| *Lonicera japonica* | Caprifoliaceae | [30] | PN | HM850134 |
| *Anogeissus leiocarpus* | Combretaceae | [31] | QS/BF | AF425709 |
| *Bucida buceras* | Combretaceae | [32] | QS/BF | FJ381807 |
| *Combretum spp.* | Combretaceae | [33-35] | PN, EP, QS/BF | EU338166 |
| *Terminalia chebula* | Combretaceae | [36,37] | CW/CM, QS/BF | FJ3818122 |
| *Conocarpus erectus* | Combretaceae | [32] | QS/BF | AF281477 |
| *Echinops kebericho* | Compositae | [38] | MU | KC589850 |
| *Calocedrus decurrens* | Cupressaceae | [39] | MU | KX832621 |
| *Chamaecyparis lawsoniana* | Cupressaceae | [40] | MU | L12570 |
| *Cupressus sempervirens* | Cupressaceae | [41] | QS/BF | L12571 |
| *Juniperus drupacea* | Cupressaceae | [42] | QS/BF | HM024301 |
| *Tetraclinis articulata* | Cupressaceae | [39] | MU | HM024346 |
| *Thuja orientalis* | Cupressaceae | [43] | QS/BF | L12578.2 |
| *Dryopteris spp.* | Dryopteridaceae | [44-46] | CW/CM, PN, QS/BF | KC896537 |
| *Bridelia cathartica* | Euphorbiaceae | [11] | CW/CM | JF265314 |
| *Euphorbia hirta* | Euphorbiaceae | [47] | QS/BF | MF135387 |
| *Jatropha gossypiifolia* | Euphorbiaceae | [48] | CW/CM | KP898356 |
| *Acacia ataxacantha* | Fabaceae | [49] | CW/CM | JF265242 |
| *Glycine max* | Fabaceae | [50] | PN | LT576825 |
| *Arachis hypogaea* | Fabaceae | [51] | CW/CM | KX257487 |
| *Cajanus indicus* | Fabaceae | [52] | CW/CM | KU729879 |
| *Cassia abbreviata* | Fabaceae | [11] | CW/CM | JF265329 |
| *Dolichos kilimandscharicus* | Fabaceae | [53] | CW/CM | AM235006 |
| *Parkinsonia aculeata* | Fabaceae | [11] | CW/CM | EF101290 |
| *Senna didymobotrya* | Fabaceae | [11] | CW/CM | Z70154 |
| *Vicia faba* | Fabaceae | [52] | CW/CM | KF042344 |
| *Quercus spp.* | Fagaceae | [32,54-56] | CW/CM, QS/BF | MF044885 |
| *Fagus crenata* | Fagaceae | [57] | PN | MF044982 |
| *Ginkgo biloba* | Ginkgoaceae | [58,59] | CW/CM, QS/BF | DQ069500 |
| *Hypericum perforatum* | Hypericaceae | [60] | QS/BF | AF206779 |
| *Apodytes dimidiata* | Icacinaceae | [61] | CW/CM | AJ428895 |
| *Juglans regia* | Juglandaceae | [62] | MU | F167464 |
| *Ajuga bracteosa* | Lamiaceae | [63] | CW/CM | KP172044 |
| *Hyptis suaveolens* | Lamiaceae | [64] | QS/BF | JQ591782 |
| *Lavandula angustifolia* | Lamiaceae | [65] | CW/CM, QS/BF | KT948988 |
| *Leonotis spp.* | Lamiaceae | [11] | CW/CM | KR736498 |
| *Mentha spp.* | Lamiaceae | [66] | CW/CM | KP172042 |
| *Ocimum basilicum* | Lamiaceae | [67] | CW/CM | KY623639 |
| *Origanum vulgare* | Lamiaceae | [68] | CW/CM | HM850213 |
| *Perilla frutescens* | Lamiaceae | [69,70] | CW/CM, QS/BF | FJ513160 |
| *Plectranthus amboinicus* | Lamiaceae | [71,72] | CW/CM, QS/BF | KX783974 |
| *Premna resinosa* | Lamiaceae | [73] | CW/CM, PN | KF496428 |
| *Prunella vulgaris* | Lamiaceae | [16] | QS/BF | HM850288 |
| *Rosmarinus officinalis* | Lamiaceae | [74] | CW/CM, QS/BF | Z37435 |
| *Scutellaria barbata* | Lamiaceae | [75] | CW/CM | MF521633 |
| *Tectona grandis* | Lamiaceae | [76] | MU | AJ001765 |
| *Thymus vulgaris* | Lamiaceae | [77-79] | CW/CM, EP, QS/BF | Z37472 |
| *Vitex agnus-castus* | Lamiaceae | [80] | CW/CM | U78716 |
| *Beilschmiedia acuta* | Lauraceae | [81] | EP | KC628468 |
| *Cinnamomum verum* | Lauraceae | [82] | CW/CM, QS/BF | KY635878 |
| *Endiandra introrsa* | Lauraceae | [83] | MU | KT588614 |
| *Laurus nobilis* | Lauraceae | [84] | CW/CM, QS/BF | HM850111 |
| *Litsea cubeba* | Lauraceae | [85] | CW/CM | AY337734 |
| *Persea americana* | Lauraceae | [86] | CW/CM | JF966611 |
| *Tripodanthus acutifolius* | Loranthaceae | [86] | MU | EU544475 |
| *Punica granatum* | Lythraceae | [16] | QS/BF | JQ730672 |
| *Bombax ceiba* | Malvaceae | [87] | CW/CM | AY328181 |
| *Tetrazygia bicolor* | Melastomataceae | [56] | QS/BF | KX397981 |
| *Azadirachta indica* | Meliaceae | [88-90] | CW/CM, QS/BF | AJ402917 |
| *Cedrela fissilis* | Meliaceae | [91] | MU | NC\_037251 |
| *Khaya senegalensis* | Meliaceae | [35] | PN | AB925375 |
| *Melia azedarach* | Meliaceae | [92] | MU | MG946851 |
| *Swietenia mahogani* | Meliaceae | [93] | MU | FN599465 |
| *Trichilia emetica* | Meliaceae | [11] | CW/CM | U39082 |
| *Ficus sansibarica* | Moraceae | [94] | QS/BF | JX572600 |
| *Myrica serrata* | Myricaceae | [95] | MU | KM360891 |
| *Callistemon viminalis* | Myrtaceae | [56,96] | CW/CM, QS/BF | JX856666 |
| *Corymbia torelliana* | Myrtaceae | [97] | CW/CM | KF496869 |
| *Eucalyptus globulus* | Myrtaceae | [64,98] | QS/BF | HM849985 |
| *Eugenia uniflora* | Myrtaceae | [99] | QS/BF | AF294255 |
| *Leptospermum scoparium* | Myrtaceae | [100] | QS/BF | HM850121 |
| *Melaleuca alternifolia* | Myrtaceae | [101,102] | CW/CM, QS/BF | AM235658 |
| *Myrcianthes hallii* | Myrtaceae | [103] | CW/CM, PN | AB586448 |
| *Pimenta dioica* | Myrtaceae | [104] | QS/BF | KY085891 |
| *Psidium guajava* | Myrtaceae | [105] | QS/BF | KX527097 |
| *Rhodomyrtus tomentosa* | Myrtaceae | [106] | QS/BF | KX527095 |
| *Syzygium spp* | Myrtaceae | [104,107] | QS/BF | JX856783 |
| *Nelumbo nucifera* | Nelumbonaceae | [108] | PN | KT119346 |
| *Fraxinus rhynchophylla* | Oleaceae | [109] | PN | KP088609 |
| *Chelidonium majus* | Papaveraceae | [110] | QS/BF | KM360713 |
| *Passiflora spp.* | Passifloraceae | [15,111] | CW/CM | DQ123353 |
| *Phyllanthus amarus* | Phyllanthaceae | [112] | PN, QS/BF | MF135411 |
| *Pittosporum tobira* | Pittosporaceae | [11] | CW/CM | HM850261 |
| *Cymbopogon spp.* | Poaceae | [64,113] | CW/CM, QS/BF | KJ740992 |
| *Imperata cylindrica* | Poaceae | [16] | QS/BF | KC164313 |
| *Saccharum spontaneum* | Poaceae | [114] | CW/CM, PN | LN849912 |
| *Fagopyrum esculentum* | Polygonaceae | [115] | CW/CM, PN | AB000309 |
| *Polygonum cuspidatum* | Polygonaceae | [116] | QS/BF | AB019031 |
| *Rumex acetosa* | Polygonaceae | [117,118] | MU | AY395559 |
| *Drynaria fortunei* | Polypodiaceae | [119] | MU | EU128499 |
| *Phymatopteris triloba* | Polypodiaceae | [120] | MU | AY459174 |
| *Coptis chinensis* | Ranunculaceae | [121] | PN | FJ449856 |
| *Prunus spp.* | Rosaceae | [16,122] | CW/CM, QS/BF | AF411489 |
| *Canthium multiflorum* | Rubiaceae | [123] | MU | AM117212 |
| *Hydnophytum formicarum* | Rubiaceae | [124] | QS/BF | X83645 |
| *Morinda tinctoria* | Rubiaceae | [125] | MU | AJ318448 |
| *Mussaenda frondosa* | Rubiaceae | [125] | MU | AJ318447 |
| *Psychotria spp.* | Rubiaceae | [125] | MU | AJ002180 |
| *Citrus hystrix* | Rutaceae | [126,127] | QS/BF | AB505939 |
| *Swinglea glutinosa* | Rutaceae | [64] | QS/BF | AB505960 |
| *Salvadora persica* | Salvadoraceae | [128,129] | CW/CM, QS/BF | KU757320 |
| *Aesculus hippocastanum* | Sapindaceae | [110] | QS/BF | KM360616 |
| *Tamarix nilotica* | Tamaricaceae | [35] | PN | KX298993 |
| *Aloysia triphylla* | Verbenaceae | [64,130] | QS/BF | KY085903 |
| *Lippia origanoides* | Verbenaceae | [64] | QS/BF | KR736512 |
| *Alpinia spp* | Zingiberaceae | [131,132] | CW/CM | KF304130 |
| *Amomum kravanh* | Zingiberaceae | [133] | CW/CM | MF991963 |
| *Curcuma longa* | Zingiberaceae | [134,135] | CW/CM, QS/BF | KX608614 |
| *Etlingera spp* | Zingiberaceae | [136] | CW/CM | [MH603418](https://www.ncbi.nlm.nih.gov/nucleotide/MH603418.1?report=genbank&log$=nucltop&blast_rank=1&RID=0JXMK6XT015) |
| *Kaempferia rotunda* | Zingiberaceae | [137] | CW/CM | KF304172 |
| *Zingiber spp.* | Zingiberaceae | [138,139] | CW/CM, EP, QS/BF | KJ871883 |
| *Tribulus terrestris* | Zygophyllaceae | [140] | CW/CM | DQ267165 |

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