China’s biodiversity hotspots revisited: A treasure chest for plants

Jie Cai¹, Wen-Bin Yu²₄₅, Ting Zhang¹, Hong Wang³, De-Zhu Li¹

¹ Germplasm Bank of Wild Species, Kunming Institute of Botany, Chinese Academy of Sciences, Kunming, Yunnan 650201, China
² Center for Integrative Conservation, Xishuangbanna Tropical Botanical Garden, Chinese Academy of Sciences, Mengla, Yunnan 666303, China
³ Key Laboratory for Plant Diversity and Biogeography of East Asia, Kunming Institute of Botany, Chinese Academy of Sciences, Kunming, Yunnan 650201, China
⁴ Southeast Asia Biodiversity Research Institute, Chinese Academy of Science, Yezin, Nay Pyi Taw 05282, Myanmar
⁵ Center of Conservation Biology, Core Botanical Gardens, Chinese Academy of Sciences, Mengla, Yunnan 666303, China

Corresponding author: De-Zhu Li (dzl@mail.kib.ac.cn)

China has been recognised as having exceptionally high plant biodiversity since the mid-19th century, when western plant explorers brought their discoveries to the attention of modern botany (Bretschneider 1898). The "Flora of China" recorded 31,362 vascular plant species, half of which could not be found anywhere else on earth (Raven and Hong 2013), making China one of the planet’s biologically wealthiest countries.

Biodiversity hotspots, by definition, are areas with exceptional concentrations of endemic species (containing at least 0.5% of the Earth’s plant species as endemics) and are experiencing increasing, large-scale habitat loss, at least 70% of which is caused by human disturbance (Myers et al. 2000). China hosts, mostly or partially, four of the world’s 36 biodiversity hotspots (Myers et al. 2000, CEPF 2019). The hotspots in China range from the arid northwest of the country, across Qinghai-Tibet Plateau, the highest and largest plateau of the world, to the tropical and subtropical southern China. The "Mountains of Central Asia" biodiversity hotspot reaches its eastern limit in China, including the eastern Tien Shan Mountains in central Xinjiang and the...
mountain ranges along China-Kyrgyzstan and China-Tajikistan borders. The mountains that surround the southern part of the Qinghai-Tibet Plateau, which extend from the western barrens to the humid southeast in Tibet (Xizang), form a significant portion of the "Himalaya" biodiversity hotspot. The "Mountains of Southwest China" biodiversity hotspot is found almost entirely within China, stretching from southeast Tibet, through western Sichuan and extending into northwest Yunnan, with only a narrow range along the western slope of the Gaoligong Mountains, located in northern Myanmar. The northeast part of the "Indo-Burma" biodiversity hotspot begins in the west of Yunnan, crosses over southern Yunnan to central Guangxi and then runs along the coast of southern China from the Guangxi-Vietnam border to eastern Guangdong, including the entire Hainan Island.

Biodiversity hotspots play a substantial role in understanding China’s unique flora. Currently, the native vascular flora from China’s biodiversity hotspots has yet to be investigated in its entirety and the estimated number of species could be more than 25,000 based on the "Flora of China" and recent surveys (The Biodiversity Committee of Chinese Academy of Sciences 2019). This accounts for approximately three quarters of China’s flora. China’s biodiversity hotspots are mainly located in remote mountain areas, where access is difficult and there are diverse microclimates. These isolated habitats are often associated with high levels of endemism and there is great potential for the discovery of new plant species in these regions (Joppa et al. 2011). Although rapid economic growth and urbanisation in China is driving landscape modification and environmental deterioration, the flourishing development of infrastructure, such as expansion of road networks, has improved accessibility to remote areas, thereby fostering the discovery of additional undescribed diversity in the country. For example, according to records in the International Plant Names Index (IPNI), 1038 new vascular plant species were described or reported for China from 2013 (the year when the "Flora of China" was completed) to the end of 2018, with some 73% of the species deriving from China’s biodiversity hotspots (Figure 1, Appendix 1). The future discovery of additional new plant species in these regions is likely.

The "Flora of China" represents the most comprehensive catalogue, description and illustration of known vascular plant species of China. However, a few of the early treatments published were essentially updated translations of the "Flora Reipublicae Popularis Sinicae" and for a number of other groups, no specialists were available at the time when the treatments were completed, so that they are in essence preliminary. A great deal of further taxonomic work, often simulated by the "Flora", has improved our understanding of many groups, very often adding to the number of recognised species. For example, recent taxonomic revisions of Chinese Aristolochia, which included only 45 species in the "Flora of China", split the genus into two genera with 78 species in total, of which 19 were newly described (Zhu et al. 2019b, Zhu X.-X. personal communication), two of them in this special issue (Zhu et al. 2019a). It is quite clear than many more species are present in China than are now recognized, and likely that most of these will come from the hotspots.
The application of DNA barcodes and other sequence data in the past decade has helped to improve our understanding of the species and relationships in many groups of plants (Kress et al. 2005, CBOL Plant Working Group 2009, China Plant BOL Group 2011, Hollingsworth et al. 2016). To fully understand the diverse flora of China, these tools must be applied widely (e.g. Liu et al. 2011, Yan et al. 2015, Yu et al. 2015).

To better document, understand and conserve China’s biological heritage, Chinese scientists have conducted a series of initiatives to facilitate the understanding and conservation of plant diversity, particularly over the past twenty years. These range from baseline, floristic surveys to long-term monitoring studies that document dynamic patterns of biodiversity with a specific focus on Southwest China and the Qinghai-Tibet Plateau, where many ecosystems are being degraded as a result of human activities and global warming (Liu et al. 2018). Indeed, much action is urgently needed to mitigate the effect of human disturbance and climate change in these hotspots and elsewhere in China.

With extended collaboration amongst Chinese scientists and coordination of networks on plant conservation and taxonomy across China, we have synthesised a special issue entitled “Revealing the plant diversity in China’s biodiversity hotspots”, to present the latest findings by Chinese botanists and to update knowledge of the flora for China and adjacent countries. This issue, comprising 18 articles, includes descriptions of 23 species new to science and new insights into the diversity of Scleroglossum (Polypodiaceae) based on DNA barcodes. The new species originate from the following hotspots: Indo-Burma (13), Mountains of Southwest China (2), Himalaya (4), Mountains of Central Asia (1) and 3 from areas with conservation interest outside the hotspots.

The new species published in this special issue reflect ongoing taxonomic and floristic research across China. It is hoped that these new discoveries will contribute to the
objectives of the updated Global Strategy for Plant Conservation (GSPC) 2011–2020 and China’s Plant Conservation Strategy, in general. In particular, we also strive to facilitate national and local policy-makers to develop more effective conservation guidelines. The naming and describing of new species are fundamental steps for understanding China’s natural history and assessing its plant diversity is the first “stepping-stone” to securing the success of our biodiversity initiative. In short, the value of botanical inventories and taxonomic work should be recognised through prioritised funding opportunities, inspired taxonomy training schemes, wider public involvement and an integrated GSPC post-2020 framework.

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### Appendix I

List of new vascular plant species occurred or described from China between 2013–2018 (data from IPNI).

| Family               | Scientific name                        | Publication year | Discovered from Biodiversity hotspots* | IPNI Plant Name Id |
|----------------------|----------------------------------------|------------------|----------------------------------------|--------------------|
| Acanthaceae          | Justicia weihongjinii Y.F.Deng, Y.Tong & Y.S.Huang | 2016             | IB                                     | 77153239-1        |
|                      | Rungia flaviflora Z.L.Lin & Y.F.Deng    | 2018             | IB                                     | 77185931-1        |
|                      | Rungia sinotaiwanica Z.L.Lin & Y.F.Deng | 2017             | IB                                     | 77174700-1        |
| Adiantaceae          | Adiantum × alisaleanum Y.H.Yan & Ying Wang | 2015             | IB                                     | 77151658-1        |
|                      | Adiantum dentatum A.H.Wang, F.G.Wang & F.W.Xing | 2017             | IB                                     | 77160197-1        |
|                      | Adiantum longiflorum A.H.Wang, F.G.Wang & F.W.Xing | 2017             | IB                                     | 77160199-1        |
|                      | Adiantum obvatum A.H.Wang, F.G.Wang & F.W.Xing | 2017             | IB                                     | 77160198-1        |
|                      | Coniopteris bashanensis X.S.Guo & Bin Li | 2013             | IB                                     | 77129783-1        |
| Alangiaceae          | Alangium indochinense W.J.de Wilde & Duyfjes | 2016             | IB                                     | 77160208-1        |
| Alliaceae            | Allium kirilovii N.Friesen & Seregin    | 2015             | CA                                     | 77147239-1        |
|                      | Allium montanostepposum N.Friesen & Seregin | 2015             | CA                                     | 77147238-1        |
| Amaryllidaceae       | Lycoris × bukeiensis Kun Liu            | 2018             | CA                                     | 77188002-1        |
|                      | Lycoris hunanensis M.H.Quan, L.J.Ou & C.W.She | 2013             | CA                                     | 77132590-1        |
| Annonaceae           | Alphonsea glandulosa Y.H.Tan & B.Xue    | 2017             | IB                                     | 77159533-1        |
|                      | Polyalthia yingjiangensis Y.H.Tan & B.Xue | 2017             | IB                                     | 77146977-1        |
| Apiaceae             | Acronema crassifolium Huan C.Wang, X.M.Zhou & Y.H.Wang | 2013             | SW                                     | 77127272-1        |
|                      | Angelica multiflora C.Y.Liao & X.G.Ma   | 2017             | SW                                     | 77179082-1        |
|                      | Bupleurum baimaense X.G.Ma & X.J.He     | 2013             | SW                                     | 77135889-1        |
|                      | Bupleurum dracanoides Huan C.Wang, Z.R.He & H.Sun | 2014             | SW                                     | 77136465-1        |
|                      | Bupleurum hiansitanum X.G.Ma & X.J.He   | 2014             | SW                                     | 77146546-1        |
|                      | Chamaesium jiulongense X.L.Guo & X.J.He | 2017             | SW                                     | 77174717-1        |
|                      | Hydrocotyle petiolaris R.Li & H.Li      | 2013             | SW                                     | 77144604-1        |
|                      | Libanotis laoshanensis W.Zhou & Q.X.Liu | 2015             | SW                                     | 77154495-1        |
| Aquifoliaceae        | Ilex calcicola W.B.Liao & K.W.Xu       | 2017             | IB                                     | 77177671-1        |
|                      | Ilex chungiiang M.M.Lin                 | 2013             | IB                                     | 77129105-1        |
|                      | Ilex gan nanensis D.Y.Hong              | 2015             | IB                                     | 77150544-1        |
|                      | Ilex jingxiensis Y.F.Huang & M.X.Lai    | 2014             | IB                                     | 77144567-1        |
|                      | Ilex sanguinolentis W.B.Liao, Q.Fan & S.Shi | 2015             | IB                                     | 77154790-1        |
|                      | Ilex subulata Y.Yang & H.Peng           | 2018             | SW                                     | 77192550-1        |
|                      | Ilex venusta H.Peng & W.B.Liao          | 2017             | SW                                     | 77161288-1        |
| Araceae              | Amorphophallus bukensis J.T.Yin & Hertz. | 2016             | IB                                     | 77157352-1        |
|                      | Arisaema chungii X.Z.Ma & Yi Jun Huang | 2018             | IB                                     | 77195372-1        |
|                      | Arisaema longtubum Z.X.Ma                | 2015             | SW                                     | 77188483-1        |
|                      | Pinellia hunanensis C.L.Long & X.J.Wu   | 2013             | SW                                     | 77130841-1        |
| Arecaceae            | Guanahia lancifolia K.W.Luo & F.W.Xing  | 2017             | IB                                     | 77161298-1        |
| Aristolochiaceae     | Aristolochia.compressiculus Z.L.Yang    | 2015             | SW                                     | 60469243-2        |
|                      | Aristolochia gongchengensis Y.S.Huang, Y.D.Peng & C.R.Lin | 2015             | IB                                     | 77174904-1        |
|                      | Aristolochia huangjiangensis Yan Liu & L.Wu | 2013             | IB                                     | 77135912-1        |
|                      | Aristolochia hyperbuxhita X.X.Zhu & J.S.Ma | 2017             | IB                                     | 77176269-1        |
|                      | Aristolochia involuta X.X.Zhu, Z.X.Ma & J.S.Ma | 2017             | IB                                     | 77174882-1        |
|                      | Aristolochia longiseta Yan Liu & L.Wu   | 2015             | IB                                     | 77145689-1        |
|                      | Aristolochia melanocarpa X.X.Zhu & J.S.Ma | 2018             | IB                                     | 77192596-1        |
|                      | Aristolochia multistriata Y.S.Huang & Yan Liu | 2013             | IB                                     | 77130236-1        |
|                      | Aristolochia pilostylis X.X.Zhu & J.S.Ma | 2018             | IB                                     | 77192597-1        |
|                      | Aristolochia pseudocaudata X.X.Zhu, J.N.Liu & J.S.Ma | 2018             | IB                                     | 77187811-1        |
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| Family                     | Scientific name                  | Publication year | Discovered from biodiversity hotspots* | IPNI Plant Name Id |
|----------------------------|----------------------------------|------------------|----------------------------------------|--------------------|
| **Aristolochiaceae**        | *Aristolochia sinoburmanica* Y.H.Tan & B.Yang | 2018            | IB                                      | 60475913-2        |
|                            | *Aristolochia tonghiguianensis* J.Y.Shen, Q.B.Gong & Landrein | 2018            | IB                                      | 77190831-1        |
|                            | *Aristolochia weixiensis* X.X.Zhu & J.S.Ma | 2015            | SW                                      | 77150406-1        |
| **Asclepiadaceae**          | *Hoya mucronata* Klop.         | 2018            | IB                                      | 60476784-2        |
|                            | *Hoya yingjiangensis* J.Feng Zhang, L.Bai, N.H.Xia & Z.Q.Peng | 2015            | IB                                      | 77148268-1        |
|                            | *Vincetoxicum xinginense* H.Peng & Y.W.Hang | 2018            | IB                                      | 77187228-1        |
| **Aspleniaceae**            | *Asplenium × huaweense* Z.R.Wang ex Viane & Y.X.Lin | 2015            | IB                                      | 77133567-1        |
|                            | *Asplenium × kidoi* Sleep ex Viane, Y.X.Lin & Reichst. | 2013            | SW                                      | 77133568-1        |
|                            | *Asplenium × mickelii* Viane & Reichst. | 2013            | SW                                      | 77133561-1        |
|                            | *Asplenium × mitzutae* Viane & Reichst. | 2013            | SW                                      | 77133563-1        |
|                            | *Asplenium × wudangshaniense* Viane, Reichst., Rashbach & Y.X.Lin | 2013            | SW                                      | 77133564-1        |
|                            | *Asplenium cyrtosorum* K.W.Xu, Li Bing Zhang & W.B.Liao | 2018            | IB                                      | 77197208-1        |
|                            | *Asplenium guangdongense* | 2018            | IB                                      | 77190779-1        |
|                            | *Hymenasplenium chingii* | 2013            | SW                                      | 77186057-1        |
|                            | *Hymenasplenium hastifolium* | 2018            | SW                                      | 77176507-1        |
|                            | *Hymenasplenium laterepens* N.Murak. & X.Cheng ex Y.Fen Chang & K.Hori | 2018            | SW                                      | 77191769-1        |
| **Asteraceae**              | *Anaphalis hymenolepis* Y.Ling | 2013            | SW                                      | 77133458-1        |
|                            | *Aster oliganthus* W.P.Li & Zhi Li | 2015            | SW                                      | 77148277-1        |
|                            | *Aster veitchianus* Hutch. & J.R.Drumm. ex G.J.Zhang & T.G.Gao | 2013            | SW                                      | 77133491-1        |
|                            | *Chrysanthemum yantaiense* M.Sun & J.T.Chen | 2018            | SW                                      | 77191578-1        |
|                            | *Chrysanthemum zhaojiaensis* L.Q.Zhao & Jie Yang | 2014            | SW                                      | 77147571-1        |
|                            | *Cremanthodium bomiense* Y.S.Chen & Boufford | 2018            | SW                                      | 77140258-1        |
|                            | *Cremanthodium hongshanense* L.Wang, C.Ren & Q.E.Yang | 2016            | H                                       | 77159886-1        |
|                            | *Cremanthodium liangshanense* L.Wang, C.Ren & Q.E.Yang | 2018            | SW                                      | 77187042-1        |
|                            | *Cremanthodium wumengshanense* L.Wang, C.Ren & Q.E.Yang | 2018            | SW                                      | 77187043-1        |
| **Chrysanthemum**           | *Faberia pinnatifida* Ying Liu, Y.S.Chen & Boufford | 2018            | SW                                      | 77159333-1        |
|                            | *Hieracium sinoaeremonis* Sennikov | 2014            | SW                                      | 77190887-1        |
|                            | *Ligularia jiuxinshanensis* Y.S.Chen | 2016            | H                                       | 77159887-1        |
|                            | *Ligularia hanzenii* Y.S.Chen | 2016            | H                                       | 77159888-1        |
|                            | *Ligularia henzenii* Y.S.Chen | 2016            | H                                       | 77159889-1        |
|                            | *Ligularia zhaojiashanensis* X.Q.Li, Jie Yang | 2014            | H                                       | 77144564-1        |
|                            | *Melanoseris jilongensis* Z.S.Huang & H.Peng | 2018            | SW                                      | 77185970-1        |
|                            | *Parasenecio anhuiensis* Y.S.Chen & Lian S.Xu | 2016            | SW                                      | 77159301-1        |
|                            | *Pertya markhamensis* Cai F.Zhang & T.G.Gao | 2017            | SW                                      | 77165473-1        |
|                            | *Pertya multiflora* Cai F.Zhang & T.G.Gao | 2013            | SW                                      | 77133645-1        |
|                            | *Saussurea haizishanensis* Y.S.Chen | 2013            | SW                                      | 77131020-1        |
|                            | *Saussurea chinduensis* Y.S.Chen | 2015            | SW                                      | 77147918-1        |
|                            | *Saussurea dulongjiaensis* Y.S.Chen | 2015            | SW                                      | 77147919-1        |
|                            | *Saussurea falciapappa* Y.S.Chen | 2014            | H                                       | 77140926-1        |
|                            | *Saussurea glandulosa* Raab-Straube | 2017            | H                                       | 77161042-1        |
|                            | *Saussurea gongrenensis* Y.S.Chen | 2015            | H                                       | 77147909-1        |
|                            | *Saussurea habaibahansensis* Y.S.Chen | 2015            | SW                                      | 77147906-1        |
|                            | *Saussurea baizhibahansensis* B.Q.Xu, G.Hao & N.H.Xia | 2013            | SW                                      | 77138680-1        |
|                            | *Saussurea bingwaibahansensis* Raab-Straube | 2017            | H                                       | 77161044-1        |
| Family          | Scientific name                | Publication year | Discovered from biodiversity hotspots* | IPNI Plant Name Id |
|-----------------|--------------------------------|------------------|----------------------------------------|--------------------|
| Asteraceae      | Saussurea jindongensis Y.S.Chen | 2015             | H                                      | 77147905-1        |
|                 | Saussurea jindongensis Y.S.Chen | 2015             | SW                                     | 77147925-1        |
|                 | Saussurea kawakarpo Raab-Straube | 2017             | SW                                     | 77161043-1        |
|                 | Saussurea langpoensis Y.S.Chen  | 2014             | H                                      | 77143045-1        |
|                 | Saussurea lhuurnzensii Y.S.Chen | 2014             | H                                      | 77143046-1        |
|                 | Saussurea lianghanensis Y.S.Chen| 2014             | SW                                     | 77140928-1        |
|                 | Saussurea minutiloba Y.S.Chen   | 2015             | SW                                     | 77147910-1        |
|                 | Saussurea multiloba Y.S.Chen    | 2015             | SW                                     | 77147911-1        |
|                 | Saussurea nyingchienis Y.S.Chen | 2015             | H                                      | 77147915-1        |
|                 | Saussurea pagiensis Y.S.Chen    | 2014             | H                                      | 77143047-1        |
|                 | Saussurea pseudobristi Y.S.Chen | 2015             | H                                      | 77147912-1        |
|                 | Saussurea pseudodolomita Y.F.Wang, G.Z.Du & Y.S.Lian | 2014 | SW | 77138689-1         |
|                 | Saussurea pseudojindongensis Y.S.Chen | 2015 | SW | 77147928-1        |
|                 | Saussurea pseudoleucosma Y.S.Chen | 2015 | H | 77147902-1        |
|                 | Saussurea pseudolingulata Y.S.Chen | 2015 | SW | 77147913-1        |
|                 | Saussurea pseudoplatyphylla Y.S.Chen | 2015 | SW | 77147907-1        |
|                 | Saussurea pseudorockii Y.S.Chen  | 2014             | SW                                     | 77140929-1        |
|                 | Saussurea pseudotridactyla Y.S.Chen | 2015 | H | 77147903-1        |
|                 | Saussurea pseudoyunnanensis Y.S.Chen | 2014 | SW | 77140920-1        |
|                 | Saussurea qamboensis Y.S.Chen   | 2014             | H                                      | 77140930-1        |
|                 | Saussurea septentrionalis Raab-Straube | 2017 | SW | 77161045-1        |
|                 | Saussurea shangriensis Y.S.Chen  | 2014             | SW                                     | 77141455-1        |
|                 | Saussurea shiluosenis Y.S.Chen  | 2015             | SW                                     | 77147924-1        |
|                 | Saussurea sichuanica Y.S.Chen   | 2017             | SW                                     | 77161046-1        |
|                 | Saussurea sikimensis Raab-Straube | 2017             | SW                                     | 77161041-1        |
|                 | Saussurea subacephaloidea Y.S.Chen | 2015 | SW | 77147923-1        |
|                 | Saussurea sunbangii Raab-Straube | 2017             | SW                                     | 77161049-1        |
|                 | Saussurea toosongi Y.S.Chen     | 2015             | SW                                     | 77147900-1        |
|                 | Saussurea wenchengiae B.Q.Xu, G.Hao & N.H.Xia | 2013 | SW | 77130903-1        |
|                 | Saussurea xianrendongensis Y.S.Chen | 2015 | SW | 77147914-1        |
|                 | Saussurea xianjinensis Y.S.Chen  | 2014             | SW                                     | 77140931-1        |
|                 | Saussurea yangii Y.S.Chen       | 2015             | SW                                     | 77147929-1        |
|                 | Saussurea yanyuanensis Y.S.Chen | 2015             | SW                                     | 77147921-1        |
|                 | Saussurea yasi Y.S.Chen         | 2015             | SW                                     | 77147908-1        |
|                 | Saussurea yaxiensis Y.S.Chen    | 2015             | H                                      | 77147916-1        |
|                 | Saussurea yuengiensis Y.S.Chen  | 2015             | H                                      | 77147904-1        |
| Senecio changii C.Ren & Q.E.Yang | 2016 | SW | 77153507-1        |
| Senecio pseudodenstrophi T.J.Tong, M.Tang, C.Ren & Q.E.Yang | 2018 | SW | 77128965-1        |
| Sphagnum × guangdongensis Q.Yuan | 2015 | IB | 60469219-2        |
| Youngia baokangensis Y.S.Chen | 2018 | SW | 77192561-1        |
| Youngia baoxingensis Y.S.Chen | 2018 | SW | 77157759-1        |
| Youngia jindongensis Y.L.Peng, X.F.Gao & Li Bing Zhang | 2017 | SW | 77167357-1        |
| Youngia purpurea Y.L.Peng, W.B.Ju, X.F.Gao & Y.D.Gao | 2015 | SW | 77151636-1        |
| Youngia zhengyiana T.Deng, D.G.Zhang, J.W.Zhang & H.Sun | 2014 | SW | 77141045-1        |
| Balsaminaceae   | Impatiens bankangensis Q.L.Gan & X.W.Li | 2016 | SW | 77157482-2        |
|                 | Impatiens guisingensis S.X.Yu   | 2016             | SW                                     | 77158514-1        |
|                 | Impatiens liboensis K.M.Liu & R.P.Kuang | 2013 | SW | 77141790-1        |
|                 | Impatiens lixiangensis S.X.Yu   | 2013             | SW                                     | 77130092-1        |
|                 | Impatiens sizilingensis Q.Luo   | 2015             | SW                                     | 77150282-1        |
|                 | Impatiens menghuochengensis Q.Luo | 2014 | SW | 77144565-1        |
|                 | Impatiens pandurata Y.H.Tan & S.X.Yu | 2015 | IB | 77156517-1        |
|                 | Impatiens pterocaulis S.X.Yu & L.R.Zhang | 2013 | IB | 77137129-1        |
|                 | Impatiens schemongensis Qiang Wang & H.P.Deng | 2016 | IB | 77152020-1        |
|                 | Impatiens tianlinensis S.X.Yu & L.J.Zhang | 2015 | IB | 77150201-1        |
### Balsaminaceae

| Family            | Scientific name          | Publication year | Discovered from Biodiversity hotspots* | IPNI Plant Name Id |
|-------------------|--------------------------|------------------|----------------------------------------|-------------------|
| Impatiens         | *Impatiens uguiculata* K.M.Liu & Y.Y.Cong | 2013 | H           | 77130230-1 |
|                   | *Impatiens wawuenensis* Bo Ding & S.X.Yu | 2016 | SW          | 77157741-1 |
|                   | *Impatiens xanthinoides* G.W.Hu | 2015 | IB          | 77150202-1 |

### Begoniaceae

| Family            | Scientific name          | Publication year | Discovered from Biodiversity hotspots* | IPNI Plant Name Id |
|-------------------|--------------------------|------------------|----------------------------------------|-------------------|
| Begonia           | *Begonia bambuetorum* H.Q.Nguyen, Y.M.Shui & W.H.Chen | 2018 | IB          | 77175485-1 |
|                   | *Begonia ebungangharenis* Q.L.Ding, W.Y.Zhao & W.B.Liao | 2018 | IB          | 77192653-1 |
|                   | *Begonia fenox* C.I Peng & Yan Liu | 2013 | IB          | 77138236-1 |
|                   | *Begonia galungghanensis* Y.M.Shui & W.H.Chen | 2018 | IB          | 77175487-1 |
|                   | *Begonia jinyingensis* D.K.Tian, Li H.Yang & Chun Li | 2016 | IB          | 77152009-1 |
|                   | *Begonia longgangensis* C.I Peng & Yan Liu | 2013 | IB          | 77138235-1 |
|                   | *Begonia medogensis* Jian W.Li, Y.H.Tan & X.H.Jin | 2018 | H           | 77186060-1 |
|                   | *Begonia pellionioides* Y.M.Shui & W.H.Chen | 2015 | IB          | 77151735-1 |
|                   | *Begonia pulchrifolia* D.K.Tian & Ce H.Li | 2015 | SW          | 77147124-1 |
|                   | *Begonia qingchengshanensis* H.Z.Li, C.I Peng & C.W.Lin | 2014 | IB          | 77142841-1 |

### Berberidaceae

| Family            | Scientific name          | Publication year | Discovered from Biodiversity hotspots* | IPNI Plant Name Id |
|-------------------|--------------------------|------------------|----------------------------------------|-------------------|
| Berberis          | *Berberis × baaxingensis* X.H.Li | 2015 | SW          | 77150118-1 |
|                   | *Berberis bowasbaniensis* Harber | 2017 | SW          | 77165384-1 |
|                   | *Berberis brevipedicellata* Harber | 2016 | SW          | 77154636-1 |
|                   | *Berberis dokertasia* Harber | 2016 | SW          | 77154634-1 |
|                   | *Berberis viridiflora* X.H.Li | 2017 | SW          | 77165327-1 |
|                   | *Berberis yiliangensis* Harber | 2018 | IB          | 77154635-1 |

### Betulaceae

| Family            | Scientific name          | Publication year | Discovered from Biodiversity hotspots* | IPNI Plant Name Id |
|-------------------|--------------------------|------------------|----------------------------------------|-------------------|
| Betula            | *Betula hainanensis* J.Zeng, B.Q.Ren, J.Y.Zhu & Z.D.Chen | 2014 | IB          | 77145107-1 |
|                   | *Betula skvortsovi* McAll. & Ashburner | 2013 | SW          | 77128710-1 |

### Boraginaceae

| Family            | Scientific name          | Publication year | Discovered from Biodiversity hotspots* | IPNI Plant Name Id |
|-------------------|--------------------------|------------------|----------------------------------------|-------------------|
| Bothriospermum    | *Bothriospermum longistylum* Q.W.Lin & Bing Liu | 2017 | SW          | 7719093-1 |
| Microura          | *Microura rouflora* W.T.Yu | 2016 | SW          | 77153856-1 |
| Muonitzi         | *Muonitzi wunengensis* L.Wei | 2017 | SW          | 77174642-1 |
| Onosmia          | *Onosmia ithkorensis* Y.H.He & Q.R.Liu | 2018 | H           | 77188007-1 |
| Sinjohnstonia     | *Sinjohnstonia ruhuaii* W.B.Liao & Lei Wang | 2014 | SW          | 77147570-1 |
| Trigonotis       | *Trigonotis fiaochengensis* Q.R.Liu & R.Y.Yan | 2016 | SW          | 77165485-1 |

### Brassicaceae

| Family            | Scientific name          | Publication year | Discovered from Biodiversity hotspots* | IPNI Plant Name Id |
|-------------------|--------------------------|------------------|----------------------------------------|-------------------|
| Aphyragmus        | *Aphyragmus pygmaeus* Al-Shehbaz | 2015 | SW          | 77153427-1 |
| Braya             | *Braya sichuanica* Al-Shehbaz | 2014 | SW          | 60468196-2 |
| Cardamine         | *Cardamine hochleyana* Al-Shehbaz | 2015 | H           | 77144177-1 |
| Cardamine kokaensis | *Cardamine kokaensis* Yahara, Soejima, Kudoh, Šlenker & Marhold | 2018 | H           | 77187973-1 |
| Cardamine         | *Cardamine kuanshuensi* M.T.An, Yun Lin & Y.B.Yang | 2016 | SW          | 77155969-1 |
| Cardamine         | *Cardamine pseudofoliolata* Al-Shehbaz | 2015 | SW          | 77153429-1 |
| Cardamine         | *Cardamine xinfreni* Al-Shehbaz | 2015 | SW          | 60470438-2 |
| Draba            | *Draba dongchuanensis* Al-Shehbaz, J.P.Yue, T.Deng & H.L.Chen | 2014 | SW          | 77142950-1 |
| Eutrema           | *Eutrema buliforum* Y.Xiao & D.K.Tian | 2015 | SW          | 77148264-1 |
| Eutrema           | *Eutrema giganteum* G.Q.Hao, Al-Shehbaz & J.Quan Liu | 2017 | SW          | 77163811-1 |
| Eutrema           | *Eutrema nanum* G.Q.Hao, J.Quan Liu & Al-Shehbaz | 2018 | SW          | 60477015-2 |
| Eutrema           | *Eutrema racemosum* Al-Shehbaz, G.Q.Hao & J.Quan Liu | 2015 | SW          | 77149658-1 |
| Eutrema           | *Eutrema tianshanensis* G.Q.Hao, J.Quan Liu & Al-Shehbaz | 2016 | CA          | 77159339-1 |
| Eutrema           | *Eutrema xunxunense* Q.L.Gan & Xin W.Li | 2014 | SW          | 77147526-1 |
| Hilliella         | *Hilliella rhombea* D.D.Ma & W.Y.Xie | 2018 | SW          | 77185950-1 |
| Orychophragmus     | *Orychophragmus longisiliquus* Huan Hu, J.Quan Liu & Al-Shehbaz | 2018 | SW          | 77193103-1 |
| Orychophragmus     | *Orychophragmus zongtiaoshanus* Huan Hu, J.Quan Liu & Al-Shehbaz | 2018 | SW          | 77193104-1 |
| Solmi-lawbachia   | *Solmi-lawbachia tianshanensis* H.L.Chen, Al-Shehbaz, J.P.Yue & H.Sun | 2018 | SW          | 77192259-1 |
| Buddleja          | *Buddleja jinshiaiensis* R.B.Zhu | 2014 | SW          | 77138131-1 |
| Family               | Scientific name                  | Publication year | Discovered from Biodiversity hotspots | IPNI Plant Name Id |
|---------------------|----------------------------------|------------------|---------------------------------------|--------------------|
| Burmanniaceae       | Thismia gongshanensis            | 2013             | SW                                    | 77129874-1         |
|                     | Hong Qing Li & Y.K.Bi            |                  |                                       |                    |
|                     | Thismia hongkongensis Mar & R.M.K.Saunders | 2015             | IB                                    | 77145069-1         |
| Buxaceae            | Saracocca longpetiolata M.Cheng  | 2014             | IB                                    | 77142444-1         |
| Campanulaceae       | Adenophora dawuesni D.Y.Hong     | 2015             | SW                                    | 77153678-1         |
|                     | Adenophora linearifolia D.Y.Hong | 2015             | SW                                    | 77153682-1         |
|                     | Campanula microphyllidea D.Y.Hong| 2015             | SW                                    | 77150199-1         |
|                     | Campanula rotata D.Y.Hong        | 2015             | SW                                    | 77150198-1         |
|                     | Codonopsis boniensis D.Y.Hong    | 2014             | SW                                    | 77141201-1         |
|                     | Codonopsis elliptica D.Y.Hong    | 2014             | SW                                    | 77141206-1         |
|                     | Codonopsis gongshanica           | 2014             | SW                                    | 77141201-1         |
|                     | Qiang Song & Y.K.Bi              |                  |                                       |                    |
|                     | Codonopsis hongkongensis         | 2015             | IB                                    | 77141202-1         |
|                     | Mar & R.M.K.Saunders              |                  |                                       |                    |
|                     | Codonopsis lxxia D.Y.Hong        | 2014             | SW                                    | 77141205-1         |
|                     | Gyranthesaga lychulusi D.Y.Hong  | 2015             | H                                     | 77153669-1         |
|                     | Lobelia drangjienensis D.Y.Hong  | 2015             | SW                                    | 77153691-1         |
|                     | Lobelia gasilonggongshanica D.Y.Hong | 2015             | SW                                    | 77153690-1         |
|                     | Lobelia hongiana F.W.Fang & G.W.Hu| 2018             | IB                                    | 60475915-2         |
|                     | Pseudocodon petiolatus           | 2015             | SW                                    | 77145980-1         |
| Capparaceae         | Capparis longgangensis L.L.Mo & X.S.Lee ex Y.S.Huang | 2013             | IB                                    | 77135584-1         |
| Caryophyllaceae     | Silene longhemenensis L.Q.Zhao, Y.Z.Zhao & Z.M.Xin | 2016             | IB                                    | 77155102-1         |
|                     | Stellaria albaensis H.F.Xu & Z.H.Ma | 2018             | SW                                    | 60477672-2         |
|                     | Stellaria abusiensis Q.L.Gan & Xin W Li | 2014             | H                                     | 77139160-1         |
| Celastraceae        | Glyptopetalum verticillatum Q.R.Liu & S.Y.Meng | 2015             | IB                                    | 77151396-1         |
|                     | Salacia menglaensis J.Y.Shen, L.C.Yan & Landrein | 2018             | IB                                    | 77193158-1         |
| Chenopodiaceae      | Chenopodium periti Sukhor.       | 2014             | H                                     | 77144443-1         |
|                     | Corispermum iljinii Sukhor. & M.Zhang | 2014             | H                                     | 77141446-1         |
|                     | Corispermum nanum Sukhor. & M.Zhang | 2014             | H                                     | 77141852-1         |
|                     | Dyssophania Geoffreyi Sukhor.    | 2015             | H                                     | 77145964-1         |
|                     | Dyssophania bimelaica Uotila     | 2013             | H                                     | 77131040-1         |
|                     | Dyssophania kotoe Uotila         | 2013             | SW                                    | 77131041-1         |
| Sympegma elegans G.L.Chu |                                | 2017             | CA                                    | 77174792-1         |
|                     | Grubovia brevidentata G.L.Chu    | 2017             | CA                                    | 77174815-1         |
|                     | Micropeplis densiflora Z.B.Wen & G.L.Chu | 2017             | CA                                    | 77174817-1         |
|                     | Micropeplis densiflora Z.B.Wen & G.L.Chu | 2017             | CA                                    | 77174817-1         |
|                     | Neobrydium corniculatum G.L.Chu  | 2016             | SW                                    | 77165145-1         |
|                     | Neobrydium corniculatum G.L.Chu  | 2016             | SW                                    | 77165483-1         |
|                     | Neobrydium longii G.L.Chu         | 2017             | H                                     | 77165158-1         |
|                     | Neobrydium ornithopodum G.L.Chu  | 2017             | SW                                    | 77165155-1         |
|                     | Neobrydium ornithopodum G.L.Chu  | 2016             | SW                                    | 77174838-1         |
|                     | Salicornia crassica G.L.Chu      | 2017             | CA                                    | 7714816-1          |
|                     | Salicornia erectica G.L.Chu      | 2017             | CA                                    | 7714804-1          |
|                     | Suaeda turgida G.L.Chu           | 2017             | CA                                    | 77165188-1         |
|                     | Sympegena elegans G.L.Chu        | 2017             | SW                                    | 77174808-1         |
| Convolvulaceae      | Apidistra austali S.Z.Hu & W.F.Xu | 2013             | IB                                    | 77134253-1         |
|                     | Apidistra austroyunnanensis G.W.Hu, Lei Cai & Q.F.Wang | 2018             | IB                                    | 77185868-1         |
|                     | Apidistra chongsuensis C.R.Lin & Y.S.Huang | 2015             | IB                                    | 77147323-3         |
|                     | Apidistra chongqingensis C.R.Lin & Y.S.Huang | 2015             | IB                                    | 77147208-1         |
|                     | Apidistra cleistanha D.X.Nong & H.Z.Li | 2018             | IB                                    | 77191654-1         |
|                     | Apidistra crassifila Yan Liu & C.I Peng | 2013             | IB                                    | 77142915-1         |
|                     | Apidistra erythrocephala C.R.Lin & Y.Y.Liang | 2016             | IB                                    | 77158522-1         |
|                     | Apidistra extorsa C.R.Lin & D.X.Nong | 2018             | IB                                    | 77178757-1         |
|                     | Apidistra guizhouensis S.Z.He & W.F.Xu | 2015             | IB                                    | 77145935-1         |
|                     | Apidistra leucographa C.R.Lin & C.Y.Zou | 2017             | IB                                    | 77162984-1         |
|                     | Apidistra longhuagensis C.R.Lin & L.F.Guo | 2015             | IB                                    | 77144888-1         |
|                     | Apidistra longyuenensis C.R.Lin & L.F.Guo | 2013             | IB                                    | 77137128-1         |
|                     | Apidistra longyuenensis C.R.Lin & L.F.Guo | 2015             | IB                                    | 77148872-1         |
|                     | Apidistra longyuenensis C.R.Lin & L.F.Guo | 2015             | IB                                    | 77147209-1         |
| Family              | Scientific name                          | Publication year | Discovered from biodiversity hotspots* | IPNI Plant Name Id |
|---------------------|------------------------------------------|------------------|----------------------------------------|-------------------|
| Convolvariaeae      | *Aspidistra* maguanensis S.Z.He & D.H.Lv | 2017             | IB                                     | 77174286-1        |
|                     | *Aspidistra* nankunshanensis Yan Liu & C.R.Lin | 2013             | IB                                     | 77131012-1        |
|                     | *Aspidistra* ovatifolia Yan Liu & C.R.Lin | 2014             | IB                                     | 77147618-1        |
|                     | *Aspidistra* pingfaensis S.Z.He & Q.W.Sun | 2014             | IB                                     | 77143073-1        |
|                     | *Aspidistra* qijiangensis S.Z.He & X.Y.Luo| 2018             | SW                                     | 77186348-1        |
|                     | *Aspidistra* radiata G.W.Hu & Q.F.Wang    | 2016             | IB                                     | 77161470-1        |
|                     | *Aspidistra* revoluta Hao Zhou, S.R.Yi & Q.Gao | 2016             | SW                                     | 77154724-1        |
|                     | *Aspidistra* ronganensis C.R.Lin, Jing Liu & W.B.Xu | 2016             | IB                                     | 77157342-1        |
|                     | *Aspidistra* sessiliflora Aver. & Tillich | 2018             | SW                                     | 77192625-1        |
|                     | *Aspidistra* sinensis Aver. & Tillich    | 2016             | IB                                     | 77155594-1        |
|                     | *Aspidistra* stenophylla C.R.Lin & R.C.Hu | 2014             | IB                                     | 77138489-1        |
|                     | *Aspidistra* tenuifolia C.R.Lin & J.C.Yang| 2014             | IB                                     | 77140919-1        |
|                     | *Aspidistra* wujiangensis W.F.Xu & S.Z.He | 2015             | IB                                     | 77150616-1        |
|                     | *Aspidistra* yizhouensis B.Pan & C.R.Lin  | 2016             | IB                                     | 77152931-1        |
|                     | *Aspidistra* yunwuensis S.Z.He & W.F.Xu   | 2015             | SW                                     | 77146882-1        |
|                     | *Aspidistra* zhenganensis S.Z.He & Y.Wang | 2017             | SW                                     | 77160874-1        |
|                     | *Disporopsis* bakervorum Floden           | 2015             | SW                                     | 60475820-2        |
|                     | *Disporopsis* yui                         | 2015             | IB                                     | 60475821-2        |
|                     | *Disporopsis* sinovietnamicum             | 2016             | IB                                     | 77155596-1        |
|                     | *Disporopsis* xilingense                   | 2016             | SW                                     | 77153735-1        |
|                     | *Heteropolygonatum* hainanense            | 2018             | IB                                     | 77190162-1        |
|                     | *Heteropolygonatum* wyongqinhanense       | 2017             | IB                                     | 77177721-1        |
|                     | *Ophiopogon* yanghansensis                | 2013             | IB                                     | 77143259-1        |
|                     | *Peliosanthes* minutiflora                | 2013             | IB                                     | 77131481-1        |
|                     | *Polygonatum* campanulatum                | 2015             | IB                                     | 77151629-1        |
|                     | *Polygonatum* dolichocarpum                | 2014             | SW                                     | 77144425-1        |
|                     | *Polygonatum* gongshanense                | 2014             | SW                                     | 77143846-1        |
|                     | *Polygonatum* luteoverrucosum             | 2015             | H                                      | 77151663-1        |
|                     | *Polygonatum* sinopusescens               | 2016             | IB                                     | 77178692-1        |
|                     | *Polygonatum* undulatifolium              | 2018             | H                                      | 77191727-1        |
|                     | *Tricyrtis* xianjienensis                 | 2014             | IB                                     | 77142359-1        |
|                     | *Tripsista* hongbogensis                  | 2013             | IB                                     | 77146460-1        |
| Convolvaecae        | *Convolumulus* xanthopotamicus            | 2015             | IB                                     | 77147662-1        |
| Corylaceae          | *Carpinus* insularis                      | 2014             | IB                                     | 77140462-1        |
|                     | *Carpinus* langanensis                    | 2017             | IB                                     | 77160329-1        |
|                     | *Carpinus* tibetana                       | 2018             | SW                                     | 60476297-2        |
| Cassulaceae         | *Rhodiola* daochengensis                  | 2015             | SW                                     | 77149647-1        |
|                     | *Rhodiola* tricolor                      | 2015             | SW                                     | 77149655-1        |
|                     | *Sedum* kuntsunianum                      | 2013             | IB                                     | 77129875-1        |
|                     | *Sedum* spiriferfolium                    | 2014             | IB                                     | 77143615-1        |
| Cucurbitaceae       | *Gomphogyne* hainanense                   | 2017             | IB                                     | 77163861-1        |
|                     | *Herpetospermum* operculatum              | 2014             | IB                                     | 77142405-1        |
|                     | *Trichosanthes* napoensis                 | 2015             | IB                                     | 77147130-1        |
| Cycadaceae          | *Cycas* chenii X.Gong & Wei Zhou          | 2015             | IB                                     | 77166521-1        |
| Cyperaceae          | *Carex* baihainensis                      | 2015             | IB                                     | 77150597-1        |
|                     | *Carex* concave H.B.Yang, Xiao X.Li & G.D.Liu | 2016             | IB                                     | 77159299-1        |
|                     | *Carex* daxinensis Y.Y.Zhou & X.F Jin      | 2014             | IB                                     | 77146321-1        |
|                     | *Carex* diaoluoshanica                    | 2014             | SW                                     | 77140322-1        |
|                     | *Carex* helingeeriensis                   | 2013             | IB                                     | 77130892-1        |
|                     | *Carex* honglinii Y.F.Lu & X.F.Jin         | 2018             | IB                                     | 77191014-1        |
|                     | *Carex* huangshanica                      | 2015             | IB                                     | 77150848-1        |
|                     | *Carex* jianfengensis                     | 2015             | IB                                     | 77148926-1        |
|                     | *Carex* longicolla Tang & F.T.Wang ex Y.F.Deng | 2014             | IB                                     | 77143317-1        |
|                     | *Carex* nodosa S.R.Zhang, J.Zhang, Z.Y.Liu & S.Qu & R.G.Han | 2018             | SW                                     | 77192871-1        |
| Family        | Scientific name                        | Publication year | Discovered from Biodiversity hotspots* | IPNI Plant Name Id |
|--------------|----------------------------------------|------------------|----------------------------------------|--------------------|
| Cyperaceae   | Carex pararadicalis X.F.Jin & J.M.Cen  | 2015 SW          | SW                                     | 77150598-1         |
|              | Carex pengii X.F.Jin & C.Z.Zheng       | 2013 IB          | IB                                     | 77132652-1         |
|              | Carex procumbent H.B.Yang, Xiao X.Li & G.D.Liu | 2015 IB         | IB                                     | 77145896-1         |
|              | Carex pseudomitrata X.F.Jin & J.M.Cen  | 2015 SW          | SW                                     | 77148010-1         |
|              | Carex remotistachya Y.Y.Zhou & X.F.Jin | 2014             | SB                                     | 77140320-1         |
|              | Carex scopulus X.F.Jin & W.Jie Chen    | 2015 SW          | SW                                     | 77150596-1         |
|              | Carex sinospina Y.F.Lu & X.F.Jin       | 2017             | SW                                     | 77174714-1         |
|              | Carex tingnungii X.F.Jin               | 2015             | SW                                     | 77150599-1         |
|              | Carex xueyiniana H.J.Yang & Han Xu     | 2017             | SW                                     | 77163575-1         |
|              | Fimbristylis longquanensis X.F.Jin, Y.F.Lu & C.Z.Zheng | 2017             | HB                                     | 77174068-1         |
|              | Fimbristylis minuticulmis X.F.Jin & C.Z.Zheng | 2017             | SB                                     | 77174069-1         |
|              | Sammatroscirpus rupestris Lév.-Bourret & J.R.Starr | 2017             | SB                                     | 77174069-1         |
| Dryopteridaceae | Ctenitis jinfoshanensis Ching & Z.Y.Liu | 2015             | SW                                     | 77146883-1         |
|              | Dryopteris daminghanensis Li Bing Zhang & Hong M.Liu | 2014             | SW                                     | 77141619-1         |
|              | Dryopteris erythrovaria K.Hori & N.Murak. | 2018             | SW                                     | 77190681-1         |
|              | Dryopteris shiakeana H.Shang & Y.H.Yan | 2015             | SW                                     | 77148225-1         |
|              | Dryopteris subtsushimensis K.Hori & N.Murak. | 2018             | SW                                     | 77194708-1         |
|              | Polystichum alluvium Li Bing Zhang, M.Q.Han & Yan Liu | 2018             | SW                                     | 77188039-1         |
|              | Polystichum dalitatum Li Bing Zhang, M.Q.Han & Yan Liu | 2018             | SW                                     | 77188040-1         |
|              | Polystichum baimanicoila Li Bing Zhang, Liang Zhang & X.F.Gao | 2013             | SW                                     | 77125862-1         |
|              | Polystichum hammmingyi Li Bing Zhang & Yan Liu | 2018             | SW                                     | 77188041-1         |
|              | Polystichum baaipinkuna G.D.Tang & Li Bing Zhang | 2017             | SW                                     | 7714044-1         |
|              | Polystichum baleeubei Liang Zhang & Li Bing Zhang | 2013             | SW                                     | 77131021-1         |
|              | Polystichum lateriviride Li Bing Zhang, Yi F.Duan & Liang Zhang | 2017             | SW                                     | 77176293-1         |
|              | Polystichum malipoense Li Bing Zhang, M.Q.Han & Yan Liu | 2018             | SW                                     | 77188042-1         |
|              | Polystichum mitsunuranae X.L.Shen & R.H.Jiang | 2015             | SW                                     | 77153712-1         |
|              | Polystichum mtsukinara Ching ex W.M.Chu & Z.R.He | 2013             | SW                                     | 77133798-1         |
|              | Polystichum oblongipinnarum Li Bing Zhang, M.Q.Han & Yan Liu | 2018             | SW                                     | 77188043-1         |
|              | Polystichum pingbianense Li Bing Zhang, M.Q.Han & Yan Liu | 2018             | SW                                     | 77188044-1         |
|              | Polystichum recatum H.J.Wei & Li Bing Zhang | 2018             | SW                                     | 77191641-1         |
|              | Polystichum rectum Li Bing Zhang, M.Q.Han & Yan Liu | 2018             | SW                                     | 77188045-1         |
|              | Polystichum superum Li Bing Zhang, M.Q.Han & Yan Liu | 2018             | SW                                     | 77188046-1         |
|              | Polystichum tianandengense H.He & Li Bing Zhang | 2017             | SW                                     | 77175793-1         |
|              | Polystichum zhiqinense Li Bing Zhang, Yi F.Duan & Kropf | 2017             | SW                                     | 77174931-1         |
|              | Tectaria × hongkongensis S.Y.Dong       | 2016             | SW                                     | 77155799-1         |
| Ebenaceae    | Diospyros leei Yan Liu, Song Shi & Y.S.Huang | 2015             | SW                                     | 77147862-1         |
|              | Diospyros ministrigepala Kottaim.       | 2018             | SW                                     | 77195755-1         |
| Elaeocarpaceae | Sloanea longipectinatae Y.F.Xie & Z.X.Zhang | 2018             | SW                                     | 77177789-1         |
| Ericaceae    | Agapetes xiana Y.H.Tong                 | 2016             | SW                                     | 77153889-1         |
|              | Cheiletheca crocea L.Wu & Yan Liu       | 2016             | SW                                     | 77155124-1         |
|              | Gaultheria ciliataea Airy Shaw ex P.W.Fritsch & Lu Lu | 2015             | SW                                     | 77145871-1         |
|              | Gaultheria conggaayamensis P.W.Fritsch & Lu Lu | 2015             | SW                                     | 77154770-1         |
|              | Gaultheria marronina P.W.Fritsch & Lu Lu | 2016             | SW                                     | 77158467-1         |
|              | Gaultheria stenophylla P.W.Fritsch & Lu Lu | 2015             | SW                                     | 77145878-1         |
|              | Rhododendron baimanicoila Y.P.Ma        | 2013             | SW                                     | 77130537-1         |
|              | Rhododendron bailiense Y.P.Ma, C.Q.Zhang & D.F.Chamb. | 2015             | SW                                     | 77144884-1         |
|              | Rhododendron leigonghanense C.H.Yang, Z.G.Xie, Y.F.Yu & Z.R.Yang | 2015             | SW                                     | 77178680-1         |
|              | Rhododendron longipedicellatum Lei Cai & Y.P.Ma | 2016             | SW                                     | 77159155-1         |
|              | Rhododendron microcarpum R.L.Liu & L.M.Gao | 2018             | SW                                     | 77185869-1         |
|              | Rhododendron xianxuehanense R.L.Liao & Y.P.Ma | 2015             | SW                                     | 77151708-1         |
|              | Vaccinium daminghanense Y.H.Tong & N.H.Xia | 2014             | SW                                     | 77146547-1         |
| Euphorbiaceae | Bischofia natenscha W.C.Cheng & C.D.Chu ex Yi F.Duan & X.R.Wang | 2016             | SW                                     | 77158535-1         |
|              | Euphorbia maoshanensis F.N.Wei & J.S.Ma | 2013             | SW                                     | 77127273-1         |
| Family              | Scientific name                          | Publication year | Discovered from biodiversity hotspots* | IPNI Plant Name Id |
|---------------------|-----------------------------------------|------------------|----------------------------------------|--------------------|
| Euphorbiaceae       | Tsaiodendron dioicum Y.H.Tan, Z.Zhou & B.J.Gu | 2017             | IB                                     | 77164524-1        |
| Fagaceae            | Quercus pseudostrobus Q.S.Li & T.Y.Tu     | 2018             | IB                                     | 77191553-3        |
| Flacourtiaceae      | Flacourtia turbinata H.J.Dong & H.Peng    | 2013             | IB                                     | 77128867-7        |
| Gentianaceae        | Saussurea subuliflora B.Hua Chen & Shi L.Chen | 2016             | IB                                     | 77159053-1        |
| Tripetrumpermum maculatum Aadr.Favre, Matuszak & Mueller | 2013 | SW | 77130745-1       |
| Gesneriaceae        | Anna rubiflora S.Z.He, F.Wen & Y.G.Wei    | 2013             | IB                                     | 77130241-1        |
|                      | Briggsia leiophylla F.Wen & Y.G.Wei       | 2015             | IB                                     | 77145932-1        |
|                      | Didisandra chixihuensis R.B.Zhang         | 2013             | IB                                     | 77153579-1        |
| Didymocarpus aringens Y.M.Shui, Lei Cai & J.Cai | 2015 | IB | 77154513-1       |
| Didymocarpus discoect F.Wen, Y.L.Qiu, Jie Huang & Y.G.Wei | 2013 | IB | 77130005-1       |
| Didymocarpus tonghaensis J.M.Li & F.S.Wang | 2014 | IB | 77146545-1       |
| Hemiboea crystallina Y.M.Shui & W.H.Chen | 2018 | IB | 77176620-1       |
| Hemiboea lutea F.Wen, G.Y.Liang & Y.G.Wei | 2013 | IB | 77135583-1       |
| Hemiboea malipoensis Y.H.Tan | 2014 | IB | 77142385-1       |
| Hemiboea roesedlei S.B.Zhou, Xin Hong & F.Wen | 2013 | IB | 77178534-1       |
| Hemiboea suiyangensis Z.Y.Li, X.G.Xiang | 2018 | SW | 60476482-2       |
| Loxostigma hekouense Lei Cai, Gui L.Zhang & Z.L.Dao | 2017 | IB | 77175302-1       |
| Oreocharis brachypodus J.M.Li & Zhi M.Li | 2015 | IB | 77146847-1       |
| Oreocharis curvata F.Wen & Y.M.Shui | 2017 | IB | 77164334-1       |
| Oreocharis ovata L.H.Yang, L.X.Zhou & M.Kang | 2018 | IB | 77192883-1       |
| Oreocharis sinovietnamica W.B.Xu & J.Guo | 2017 | SW | 77198283-1       |
| Oreocharis zhangii W.H.Chen, Y.M.Shui & Mich.Moller | 2015 | IB | 77190895-1       |
| Petrocodon ainsliifolius W.H.Chen & Y.M.Shui | 2014 | IB | 77144882-1       |
| Petrocodon asterocalyx F.Wen, Y.G.Wei & R.L.Zhang | 2015 | IB | 77160516-1       |
| Petrocodon confertiflorus Hui Quan & Y.Q.Wang | 2014 | IB | 77140287-1       |
| Petrocodon viridescens Y.H.Tan, Z.Zhou & B.J.Gu | 2017 | IB | 77177720-1       |
| Petrocosmea chrysotricha M.Q.Han & Yan Liu | 2015 | IB | 77174985-1       |
| Petrocosmea funingensis Qiang Zhang & R.L.Zhang | 2018 | IB | 77177603-1       |
| Petrocosmea magnifica X.Y.Wang & Y.G.Wei | 2015 | IB | 77140797-1       |
| Petrocosmea villosus X.Y.Wang & Y.G.Wei | 2015 | IB | 77148866-1       |
| Petrocosmea yunnanensis X.Y.Wang & Y.G.Wei | 2014 | IB | 77141625-1       |
| Petrocosmea leucocyclus Y.M.Shui, W.H.Chen & Mich.Moller | 2014 | IB | 77142561-1       |
| Petrocosmea magnifica M.Q.Han, H.Jiang & Yan Liu | 2018 | IB | 77179090-1       |
| Petrocosmea yunnanensis Qiang Zhang & B.Pan | 2013 | IB | 77125525-1       |
| Petrocosmea glabristoma Z.J.Qiu & Yin Z.Wang | 2015 | IB | 77151734-1       |
| Family           | Scientific name                      | Publication year | Discovered from Biodiversity hotspots* | IPNI Plant Name Id |
|------------------|--------------------------------------|------------------|----------------------------------------|--------------------|
| Gesneriaceae     | *Petrocosmea melanophthalma* Huan C.Wang, Z.R.He & Li Bing Zhang | 2013             | IB                                     | 77137989-1         |
|                  | *Petrocosmea viridis* M.Q.Han & Yan Liu | 2017             | IB                                     | 77179033-1         |
|                  | *Primulina abicalyx* B.Pan & Li H.Yang | 2017             | IB                                     | 77175151-1         |
|                  | *Primulina aluatae* F.Wen, B.Pan & B.M.Wang | 2016             | IB                                     | 77153658-1         |
|                  | *Primulina argentea* Xin Hong, F.Wen & S.B.Zhou | 2014             | IB                                     | 77144595-1         |
|                  | *Primulina belliniensis* B.Pan & S.X.Huang | 2013             | IB                                     | 77135659-1         |
|                  | *Primulina bullata* S.N.Lu & F.Wen | 2013             | IB                                     | 77128701-1         |
|                  | *Primulina cangwenensis* Xin Hong & F.Wen | 2018             | IB                                     | 77186304-1         |
|                  | *Primulina carinata* Y.G.Wei, F.Wen & H.Z.Lü | 2014             | IB                                     | 77147651-1         |
|                  | *Primulina chordistigma* F.Wen, B.D.Lai & B.M.Wang | 2016             | IB                                     | 77152079-1         |
|                  | *Primulina crusibirizoma* F.Wen, Bo Zhao & Xin Hong | 2013             | IB                                     | 77178533-1         |
|                  | *Primulina cureituba* B.Pan, L.H.Yang & M.Kang | 2017             | IB                                     | 77174715-1         |
|                  | *Primulina decadendos* F.Wen & Xin Hong | 2018             | IB                                     | 7719004-1          |
|                  | *Primulina dehuanensis* N.Jiang & Hong Li | 2013             | IB                                     | 77133646-1         |
|                  | *Primulina dichroantha* F.Wen, Y.G.Wei & S.B.Zhou | 2017             | IB                                     | 77163880-1         |
|                  | *Primulina diffusa* Xin Hong, F.Wen & S.B.Zhou | 2014             | IB                                     | 77142358-1         |
|                  | *Primulina duanensis* F.Wen & S.L.Huang | 2014             | IB                                     | 77141126-1         |
|                  | *Primulina dubia* F.Wen & B.Pan | 2017             | IB                                     | 77175213-1         |
|                  | *Primulina fanghaisiensis* Z.L.Ning & M.Kang | 2015             | IB                                     | 77146194-1         |
|                  | *Primulina gigantea* F.Wen, B.Pan & W.H.Luo | 2016             | IB                                     | 77159842-1         |
|                  | *Primulina glandecestriata* X.X.Zhu, F.Wen & H.Sun | 2014             | IB                                     | 77143943-1         |
|                  | *Primulina guizhongensis* B Zhao, B.Pan & F.Wen | 2013             | IB                                     | 60461605-2         |
|                  | *Primulina hengshanensis* L.H.Liu & K.M.Liu | 2018             | IB                                     | 77166659-1         |
|                  | *Primulina heterochroa* F.Wen & B.D.Lai | 2015             | IB                                     | 77147015-1         |
|                  | *Primulina hiemalis* Xin Hong & F.Wen | 2018             | IB                                     | 7719005-1          |
|                  | *Primulina huangii* F.Wen & Z.B.Xin | 2013             | IB                                     | 77130101-1         |
|                  | *Primulina huananensis* K.M.Liu & X.Z.Cai | 2015             | IB                                     | 7714763-1          |
|                  | *Primulina jianghuensi* K.M.Liu & X.Z.Cai | 2013             | IB                                     | 77137130-1         |
|                  | *Primulina liubugens* X.L.Yu & J.J.Zhou | 2014             | IB                                     | 77143055-1         |
|                  | *Primulina lechangenensis* Xin Hong, F.Wen & S.B.Zhou | 2014             | IB                                     | 77178668-1         |
|                  | *Primulina lepiogonis* Z.L.Ning & Ming Kang | 2014             | IB                                     | 77134881-1         |
|                  | *Primulina lineariclynx* F.Wen, B.D.Lai & Y.G.Wei | 2016             | IB                                     | 77156700-1         |
|                  | *Primulina futiensis* B.Pan & H.S.Ma | 2017             | IB                                     | 7714730-1          |
|                  | *Primulina futsenensis* B.Pan & Y.G.Wei | 2013             | IB                                     | 77130904-1         |
|                  | *Primulina maboensis* K.F.Chung & W.B.Xu | 2013             | IB                                     | 77127679-1         |
|                  | *Primulina maciejewskii* F.Wen, R.L.Zhang & A.Q.Dong | 2016             | IB                                     | 77161526-1         |
|                  | *Primulina maculata* W.B.Xu & J.Guo | 2015             | IB                                     | 77156518-1         |
|                  | *Primulina malpoolensis* Li H.Yang & M.Kang | 2018             | IB                                     | 77157494-1         |
|                  | *Primulina melanofilamenta* Y.Liu & F.Wen | 2016             | IB                                     | 77154836-1         |
|                  | *Primulina minor* F.Wen & Y.G.Wei | 2013             | IB                                     | 77143404-1         |
|                  | *Primulina novi* F.Wen & Y.G.Wei | 2015             | IB                                     | 77150285-1         |
|                  | *Primulina pengii* W.B.Xu & K.F.Chung | 2015             | IB                                     | 77156519-1         |
|                  | *Primulina petrowioides* B.Pan & F.Wen | 2014             | IB                                     | 77144566-1         |
|                  | *Primulina porphyrea* X.L.Yu & Ming Li | 2015             | IB                                     | 77147207-1         |
|                  | *Primulina pseudoreosa* Jian Li, F.Wen & L.J.Yan | 2014             | IB                                     | 77139170-1         |
|                  | *Primulina qingyuanensis* Z.L.Ning & Ming Kang | 2013             | IB                                     | 77134545-1         |
|                  | *Primulina rubella* L.H.Yang & M.Kang | 2017             | IB                                     | 77174703-1         |
|                  | *Primulina rubribracteata* Z.L.Ning & M.Kang | 2015             | IB                                     | 77151713-1         |
|                  | *Primulina suichuanensis* X.L.Yu & J.J.Zhou | 2016             | IB                                     | 77155595-1         |
|                  | *Primulina tokongi* H.L.Liang, Bo Zhao & F.Wen | 2013             | IB                                     | 77137131-1         |
|                  | *Primulina versicolor* F.Wen, B.Pan & B.M.Wang | 2016             | IB                                     | 77153657-1         |
|                  | *Primulina wenii* Jian Li & L.J.Yan | 2017             | IB                                     | 7717846-1          |
|                  | *Primulina wuwe* F.Wen & L.F.Fu | 2017             | IB                                     | 77175898-1         |
|                  | *Primulina yandongensis* Ying Qin & Yan Liu | 2018             | IB                                     | 77193180-1         |
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| Family          | Scientific name                  | Publication year | Discovered from Biodiversity hotspots* | IPNI Plant Name Id |
|-----------------|----------------------------------|------------------|----------------------------------------|--------------------|
| Gesneriaceae    | *Primulina yanchunensis* Y.L.Zheng & Y.F.Deng | 2014 IB          | 77140273-1                             |
|                 | *Primulina yangchenensis* W.B.Xu & B.Pan       | 2015 IB          | 77165620-1                             |
|                 | *Primulina yongdingensis* Z.L.Ning, M.Kang & X.Y.Zhuang | 2016 IB          | 77159797-1                             |
|                 | *Primulina zhong* F.Wen & Z.B.Xin             | 2018 IB          | 77178939-1                             |
|                 | *Raphiolepis yingyingensis* W.H.Chen & Y.M.Shui | 2015 IB          | 77153711-1                             |
|                 | *Tremagon hongheense* W.H.Chen & Y.M.Shui     | 2015 IB          | 77151819-1                             |
| Grammitidaceae  | *Oreogrammitis hainanensis* Parris        | 2013 IB          | 77138350-1                             |
|                 | *Oreogrammitis orientalis* T.C.Hsu          | 2017 IB          | 77162889-1                             |
| Hydrocharitaceae| *Ottelia guanyangensis* Z.Z.Li, Q.F.Wang & S.Wu | 2018 IB          | 77187252-1                             |
| Lamiaceae       | *Isodon aurantiacus* Y.P.Chen & C.L.Xiang    | 2017 H           | 77175276-1                             |
|                 | *Isodon delavayi* C.L.Xiang & Y.P.Chen       | 2014 SW          | 77137826-1                             |
|                 | *Isodon villosus* Y.P.Chen & H.Peng          | 2016 IB          | 77156696-1                             |
|                 | *Meehania hongliniana* B.Y.Ding & X.F.Jin     | 2018             | 77193006-1                             |
|                 | *Nepeta wuana* H.J.Dong, C.L.Xiang & Jamzad   | 2015             | 77150066-1                             |
|                 | *Pogostemon henanensis* Gang Yao             | 2015             | 77145867-1                             |
|                 | *Salvia lapochila* T.Wang & L.Wang            | 2016 SW          | 77154837-1                             |
|                 | *Salvia lateistriata* G.X.Hu, E.D.Liu & C.L.Xiang | 2017 SW          | 77166301-1                             |
|                 | *Salvia petrophila* G.X.Hu, E.D.Liu & Yan Liu | 2013 IB          | 77138690-1                             |
|                 | *Scutellaria wuana* C.L.Xiang & F.Zhao       | 2017 SW          | 77164113-1                             |
| Lauraceae       | *Alseodaphnopsis ximengensis* W.Li & J.Li     | 2017 IB          | 77165686-1                             |
|                 | *Beilschmiedia xerophila* B.Zheng & Y.Xu      | 2013 IB          | 77128395-1                             |
|                 | *Caryodaphnopsis malipoensis* Bing Liu & Y.Xu | 2013 IB          | 77130681-1                             |
|                 | *Litsea dorealicana* M.Q.Han & Y.S.Huang      | 2013 IB          | 77130684-1                             |
| Leguminosae     | *Astragalus anitaiii* Y.H.Wu                 | 2015             | 77157961-1                             |
|                 | *Astragalus gandeensis* Y.H.Wu               | 2015             | 77157958-1                             |
|                 | *Astragalus gigas* Y.H.Wu                    | 2015 CA          | 77157967-1                             |
|                 | *Astragalus magnibracteis* Y.H.Wu             | 2015 CA          | 77157955-1                             |
|                 | *Astragalus maxuehacis* Y.H.Wu                | 2015             | 77157959-1                             |
|                 | *Astragalus maquensis* Y.H.Wu                 | 2015 SW          | 77157963-1                             |
|                 | *Astragalus nanxii* L.Q.Zhao & Xu Ri          | 2018             | 77193175-1                             |
|                 | *Astragalus wulingensis* J.X.Li & L.Xi        | 2014             | 77138130-1                             |
|                 | *Astragalus xitangensis* L.R.Xu & Y.H.Wu      | 2015 CA          | 77157965-1                             |
|                 | *Bathisia bekunensis* T.Y.Tu & D.X.Zhang      | 2013 IB          | 77132598-1                             |
|                 | *Dalbergia changshuangensis* G.A.Fu, Y.K.Zhang & W.Q.Wang | 2015 IB          | 77165106-1                             |
|                 | *Hedysarum cuonanum* P.L.Liu, J.Wen & Zhao Y.Chang | 2017 H          | 77160511-1                             |
|                 | *Hedysarum yushuishen* Y.H.Wu                 | 2015             | 77157996-1                             |
|                 | *Indigofera pseudonigrescens* X.F.Gao & X.L.Zhao | 2015 SW          | 77149467-1                             |
|                 | *Lespedeza jiangxiensis* Bo Xu, X.F.Gao & Li Bing Zhang | 2013             | 77130627-1                             |
|                 | *Lespedeza pseudomaximoviczii* D.P.Jin, Bo Xu & B.H.Choi | 2018             | 77193152-1                             |
|                 | *Oxytropis anemagensis* Y.H.Wu                | 2015             | 77157976-1                             |
|                 | *Oxytropis barunensis* Y.H.Wu                 | 2015             | 77157980-1                             |
|                 | *Oxytropis burhanbudaica* Y.H.Wu              | 2015             | 77157974-1                             |
|                 | *Oxytropis datongensis* Y.H.Wu                | 2015             | 77157995-1                             |
|                 | *Oxytropis gandeensis* Y.H.Wu                 | 2015             | 77157975-1                             |
|                 | *Oxytropis hmahehacis* Y.H.Wu                 | 2015             | 77157978-1                             |
|                 | *Oxytropis qingtianensis* Y.H.Wu              | 2015             | 77157970-1                             |
|                 | *Oxytropis xidatanensis* Y.H.Wu               | 2015             | 77157977-1                             |
|                 | *Oxytropis xinghaiensis* Y.H.Wu               | 2015             | 77157972-1                             |
|                 | *Oxytropis zadoiensis* Y.H.Wu                 | 2015             | 77157979-1                             |
|                 | *Oxytropis saquensis* Y.H.Wu                  | 2015             | 77157993-1                             |
|                 | *Pseudarthria panii* R.Zhang, T.S.Yi & B.Pan   | 2018 IB          | 77190130-1                             |
|                 | *Pueraria grandiflora* B.Pan & Bing Liu       | 2015 SW          | 77145972-1                             |
|                 | *Vicia akyensis* Y.H.Wu                      | 2015 CA          | 77157999-1                             |
| Liliaceae       | *Amana wanzhensis* Lu Q.Huang, B.X.Han & K.Zhang | 2014             | 77143001-1                             |
| Family                  | Scientific name                  | Publication year | Discovered from Biodiversity hotspots* | IPNI Plant Name Id        |
|------------------------|----------------------------------|------------------|----------------------------------------|---------------------------|
| Liliaceae              | *Lilium yapingense* Y.D.Gao & X.J.He | 2013             | SW                                     | 77130239-1                |
|                        | *Sauromorpha bogadensis* Yu J.Wang & J.Chen | 2018             | CA                                     | 77180814-1                |
| Lowiaceae              | *Orchidanthus yunnanensis* P.Zou, C.Xiao & Škorničk. | 2017             | IB                                     | 77162277-1                |
| Lycopodiaceae          | *Huperzia nanlingensis* Y.H.Yan & N.Shrestha | 2014             | IB                                     | 77141799-1                |
|                        | *Huperzia shresthai* Fraser-Jenk. | 2018             | IB                                     | 77191157-1                |
|                        | *Lycopodium verticale* Li Bing Zhang | 2013             | SW                                     | 7713467-1                 |
|                        | *Spinulum lioui* Li Bing Zhang & H.He | 2017             |                                        | 77163016-1                |
| Lythraceae             | *Lagerstroemia densa* C.H.Gu & D.D.Ma | 2015             |                                        | 77160881-1                |
| Magnoliaceae           | *Magnolia kwangnanensis* S.G.Chen & Q.W.Zeng | 2013             | IB                                     | 77131015-1                |
|                        | *Magnolia tiepii* V.T.Tran & D.Fu | 2015             | IB                                     | 77150281-1                |
| Malpighiaceae          | *Hiptage ferruginea* Y.H.Tan & Bin Yang | 2018             | IB                                     | 77191588-1                |
|                        | *Hiptage pauciflora* Y.H.Tan & Bin Yang | 2018             | IB                                     | 77191587-1                |
| Malvaceae              | *Malva xizangensis* Y.S.Ye, L.Fu & D.X.Duan | 2015             | SW                                     | 77163010-1                |
| Marantaceae            | *Phrynium yunnanense* Y.S.Ye & L.Fu | 2017             |                                        | 77163010-1                |
| Melanthiaceae          | *Chamaerhizium viridiflorum* Lei Wang, Z.C.Liu & W.B.Liao | 2018             |                                        | 77185949-1                |
|                        | *Chionoglossum nanlingensis* L.Wu, Y.Ton & Q.R.Liu | 2016             | IB                                     | 77155663-1                |
| Melastomataceae        | *Bredia changii* W.Y.Zhao, X.H.Zhan & W.B.Liao | 2017             |                                        | 77163004-1                |
|                        | *Bredia repens* R.Zhou, Q.J.Zhou & Ying Liu | 2018             | IB                                     | 77194739-1                |
|                        | *Euglossinia tsangyuanensis* D.X.Li, Q.W.Zeng & L.Fu | 2014             | IB                                     | 77194739-1                |
|                        | *Fordiophyton chenii* S.Jin Zeng & X.Y.Zhuang | 2016             | IB                                     | 77159141-1                |
|                        | *Fordiophyton huizhouense* S.Jin Zeng & X.Y.Zhuang | 2016             | IB                                     | 77159141-1                |
|                        | *Fordiophyton zhuangiae* S.Jin Zeng & G.D.Tang | 2014             | IB                                     | 77159141-1                |
|                        | *Phylagathis guidongensis* K.M.Liu & J.Tian | 2014             | IB                                     | 77161451-1                |
|                        | *Sonerila trinervis* Y.S.Ye, L.Fu & D.X.Duan | 2015             | IB                                     | 77151737-1                |
| Menispermaceae         | *Stephania novenanthera* Heng C.Wang | 2013             | IB                                     | 77132616-1                |
| Moraceae               | *Ficus cornelisiana* Chantaras. & Y.Q.Peng | 2014             | IB                                     | 77142617-1                |
| Musaceae               | *Alantia forbesii* J.T.W.Hall & A.M.Wolfe | 2013             | IB                                     | 77142617-1                |
| Myrsinaceae            | *Ardisia bullata* G.H.Huang & G.Hao | 2018             | IB                                     | 77193172-1                |
|                        | *Ardisia medogensis* C.M.Hu & G.Hao | 2018             | H                                      | 77191512-1                |
|                        | *Ardisia nanaliensis* S.Z.Mao & C.M.Hu | 2018             | IB                                     | 77193157-1                |
|                        | *Ardisia rubraulis* S.Z.Mao & C.M.Hu | 2018             | IB                                     | 77193157-1                |
|                        | *Sadoria longistyla* Ze H.Wang & H.Peng | 2018             | IB                                     | 77177770-1                |
| Orchidaceae            | *Anoectochilus dulongensis* Ormerod | 2013             | SW                                     | 77137327-1                |
|                        | *Anoectochilus lingobus* H.Jiang & H.Z.Tian | 2014             | IB                                     | 77140335-1                |
|                        | *Anoectochilus nandanensis* Y.Feng Huang & X.C.Qu | 2015             | IB                                     | 77154757-1                |
|                        | *Apostasia fogangica* Y.Y.Yin, P.S.Zhong & Z.J.Liu | 2016             | IB                                     | 77158583-1                |
|                        | *Arachnis boufordsi* Ormerod | 2014             | IB                                     | 77136159-1                |
|                        | *Bulbophyllum chrysostachyum* L.P.Wen & D.Ye | 2018             | IB                                     | 77191936-1                |
|                        | *Bulbophyllum huangshenensis* Y.M.Hu & X.H.Jin | 2015             | IB                                     | 77150284-1                |
|                        | *Bulbophyllum jingdongense* A.Q.Hu, D.Ye & Jian W.Li | 2017             | IB                                     | 77163074-1                |
|                        | *Bulbophyllum lipingense* J.X.Huang, J.Y.Wang & Z.J.Liu | 2017             | IB                                     | 77160509-1                |
|                        | *Bulbophyllum menglaenense* Jian W.Li & X.H.Jin | 2017             | IB                                     | 77164286-1                |
|                        | *Bulbophyllum mengyuanense* Q.Liu, Jian W.Li & X.H.Jin | 2015             | IB                                     | 77151668-1                |
|                        | *Bulbophyllum nematophorum* X.H.Jin & W.T.Jin | 2014             | SW                                     | 77141124-1                |
|                        | *Bulbophyllum pingnanense* J.F.Liu, S.R.Lan & Y.C.Liang | 2016             | IB                                     | 77155742-1                |
|                        | *Bulbophyllum salvatii* X.H.Jin | 2015             | SW                                     | 77150855-1                |
|                        | *Bulbophyllum yingjiantangense* B.M.Wang & J.W.Zhai | 2017             | IB                                     | 77161275-1                |
|                        | *Bulbophyllum yongtaiense* J.F.Liu, S.R.Lan & Y.C.Liang | 2018             | IB                                     | 77178918-1                |
|                        | *Bulbophyllum yuxianense* M.H.Li, J.F.Liu & S.P.Chen | 2017             | IB                                     | 77174896-1                |
| Calanthe                 | *Calanthe bingtaoi* J.W.Zhai, L.J.Chen & Z.J.Liu | 2013             | SW                                     | 77132014-1                |
|                        | *Calanthe longxiangensis* Y.S.Ye, L.Fu & D.X.Duan | 2018             | IB                                     | 77174896-1                |
|                        | *Calanthe shenzhenensis* M.Guo, J.W.Zhai & L.J.Chen | 2017             | IB                                     | 77177695-1                |
|                        | *Calanthe wuhanensis* J.W.Zhai, L.J.Chen & Z.J.Liu | 2013             | IB                                     | 77132013-1                |
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|----------------------|----------------------------------------|------------------|----------------------------------------|--------------------|
| Orchidaceae          | *Calanthe wuxiensis* H.P. Deng & F.Q. Yu | 2017             | SW                                     | 77176471-1        |
|                      | *Ceratocidium pingtangense* G.D. Tang, X.Y. Zhuang & Z.J. Liu | 2015             | IB                                     | 77151433-1        |
|                      | *Changnienia malipoensis* D.H. Peng, Z.J. Liu & J.W. Zhai | 2013             | IB                                     | 77130095-1        |
|                      | *Cheirifila accuminata* Zhi L. Liu & Q. Liao | 2016             | SW                                     | 77158509-1        |
|                      | *Coelogynopsis pinnata* R.Li & Z.L. Dao | 2014             | SW                                     | 77138678-1        |
|                      | *Collabium yunnanense* Ormerod          | 2013             | SW                                     | 77137331-1        |
|                      | *Crematostele malipoensis* G.W. Hu      | 2013             | IB                                     | 77136041-1        |
|                      | *Cymbidium davistibianense* G.Q. Zhang & Z.J. Liu | 2018             | IB                                     | 77191723-1        |
|                      | *Cymbidium lii* M.Z. Huang, J.M. Yin & G.S. Yang | 2017             | IB                                     | 77176352-1        |
|                      | *Cymbidium puereznii* Z.J. Liu & S.R. Lan | 2018             | IB                                     | 77185942-1        |
|                      | *Danxiaorchis singchiana* J.W. Zhai, F.W. Xing & Z.J. Liu | 2013             | IB                                     | 77124909-1        |
|                      | *Danxiaorchis yangii* Bo Y. Yang & Bo Li | 2017             | SW                                     | 77162990-1        |
|                      | *Dendrobium bahnaense* Y.Q. Tian & Y.B. Huang | 2017             | IB                                     | 77177715-1        |
|                      | *Dendrobium libingtaoi* Qu. Xu & Z.J. Liu | 2018             | IB                                     | 77167514-1        |
|                      | *Dendrobis longlingense* Qu. Xu, Y.B. Luo & Z.J. Liu | 2014             | IB                                     | 77142382-1        |
|                      | *Dendrobium luzii* L.J. Chen & W.H. Rao | 2016             | SW                                     | 77155442-1        |
|                      | *Dendrobium maquenense* Qu. Xu & Z.J. Liu | 2016             | IB                                     | 77159344-1        |
|                      | *Dendrobium wenchuanense* Qu. Xu, Y.B. Luo & Z.J. Liu | 2014             | IB                                     | 77142381-1        |
|                      | *Dendrobium zhechiense* S.P. Chen, Liang Ma & Ming H.Li | 2016             | IB                                     | 77158455-1        |
|                      | *Gastrochilus dulongjiangensis* Q.Liu & J.Y. Gao | 2018             | SW                                     | 77177530-1        |
|                      | *Gastrochilus jiexiuense* Ormerod       | 2013             | SW                                     | 77137333-1        |
|                      | *Gastrochilus kadodiirii* Kumar, S.W. Gale, Kocyan, G.A. Fisch. & Aver. | 2014             | IB                                     | 77140315-1        |
|                      | *Gastrochilus tianboense* Q.Liu & Y.H. Tan | 2016             | IB                                     | 77159092-1        |
|                      | *Gastrodia dingyuanense* A.Q. Hu & T.C. Hsu | 2014             | IB                                     | 77142938-1        |
|                      | *Gastrodia huapingensis* Y.X. Huang, A.Q. Hu & Yan Liu | 2015             | IB                                     | 77149471-1        |
|                      | *Goodyera maquenense* Ormerod           | 2013             | SW                                     | 77137395-1        |
|                      | *Goodyera makotoense* Q.X. Guan & S.P. Chen | 2014             | IB                                     | 77143809-1        |
|                      | *Herminium fimbriatiloba* Kolan.        | 2015             | SW                                     | 77145880-1        |
|                      | *Habenaria baicalensis* G.W. Hu         | 2015             | SW                                     | 77151687-1        |
|                      | *Habenaria baicalensis* Q.Liu & W.L. Zhang | 2017             | IB                                     | 77174902-1        |
|                      | *Habenaria pseudorostellifera* Kolan., Szlach. & Kras | 2015             | IB                                     | 77148949-1        |
|                      | *Habenaria yachangensis* Z.B. Zhang & W.Guo | 2015             | IB                                     | 77144532-1        |
|                      | *Hemipilia galata* Ying Tang, X.X. Zhu & H. Peng | 2016             | IB                                     | 77158484-1        |
|                      | *Herminium gonggaense* Ormerod          | 2013             | SW                                     | 77137396-1        |
|                      | *Herminium metuense* X.H. Jin            | 2017             | H                                      | 77167751-1        |
|                      | *Herminium tibeticens* X.H. Jin, Schuit. & Raskoti | 2017             | H                                      | 77161963-1        |
|                      | *Holcoglossum singchianum* G.Q. Zhang, L.J. Chen & Z.J. Liu | 2013             | IB                                     | 77125663-1        |
|                      | *Hygrochilus tsii* M.H. Li, Z.J. Liu & S.R. Lan | 2014             | IB                                     | 77138128-1        |
|                      | *Liparis fumigenensis* Yong Y.Su, Yuan Meng & Z.J. Liu | 2014             | IB                                     | 77141198-1        |
|                      | *Liparis meihuashanensis* S.M. Fan       | 2017             | IB                                     | 77177439-1        |
|                      | *Liparis pingxiangensis* L.Li & H.F. Yan | 2013             | IB                                     | 77131431-1        |
|                      | *Liparis tsi* H.Z. Tian & A.Q. Hu        | 2015             | IB                                     | 77159236-1        |
|                      | *Liparis viridipan* H.X. Huang, Z.J. Liu & M.H. Li | 2018             | IB                                     | 77180815-1        |
|                      | *Liparis wenchuanense* Yong Y.Su, Yi L. Huang & G.Q. Zhang | 2015             | IB                                     | 77146844-1        |
|                      | *Malaxis malipoensis* Y.F. Meng, A.Q. Hu & F.W. Xing | 2014             | IB                                     | 77140780-1        |
|                      | *Malloelea tibetica* W.C. Huang & X.H. Jin | 2013             | H                                      | 77135582-1        |
|                      | *Neottia bicallous* X.H. Jin             | 2014             | SW                                     | 77143043-1        |
|                      | *Neottia nuyangensis* X.H. Jin           | 2016             | SW                                     | 77159994-1        |
|                      | *Nerissa brevifolia* C.S. Lou, C.L. Yeh & S.W. Gale | 2013             | IB                                     | 77131195-1        |
|                      | *Odontochilus nasipennis* H.Tang & Y.C. Huang | 2016             | IB                                     | 77157455-1        |
|                      | *Oreocharis yachangensis* Z.B. Zhang & B.G. Huang | 2016             | IB                                     | 77155582-1        |
|                      | *Paphiopedilum notattisipalum* Z.J. Liu, Meina Wang & S.R. Lan | 2017             | SW                                     | 77162273-1        |
|                      | *Pseudolobelia gastiongense* G.Q. Zhang, K. Wei Liu & Z.J. Liu | 2013             | SW                                     | 77125661-1        |
|                      | *Phalaenopsis pingxiangensis* Hua Deng, Z.J. Liu & Yan Wang | 2015             | IB                                     | 77151701-1        |
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| Orchidaceae            | Platanthera anatina Ormerod          | 2013             | SW                                     | 77137397-1          |
|                        | Platanthera australis L.Wu, X.L.Yu, H.Z.Tian & J.L.Luo | 2017             | SW                                     | 77163273-1          |
|                        | Platanthera dungbatisensis Ormerod   | 2013             | SW                                     | 77137401-1          |
|                        | Platanthera fugugensis Ormerod       | 2013             | SW                                     | 77137412-1          |
|                        | Platanthera fujianensis B.H.Chen & X.H.Jin | 2016            | IB                                     | 77159362-1          |
|                        | Platanthera guangdongensis Y.Li, L.F.Wu & L.J.Chen | 2018            | IB                                     | 77177592-1          |
|                        | Platanthera nanningensis X.H.Jin & W.T.Jin | 2015            | IB                                     | 77174831-1          |
|                        | Platanthera yadongensis X.H.Jin & W.T.Jin | 2014            | H                                      | 77136231-1          |
|                        | Platanthera zijingensis Q.L.Ye, Z.M.Zhong & Ming H.Li | 2018            | IB                                     | 77177593-1          |
| Platystyliparis        | Platanthera × malipoensis            | 2015             | IB                                     | 77151432-1          |
|                        | Putingensis G.D.Tang, X.Y.Zhuang & Z.J.Liu | 2018            | SW                                     | 77190398-1          |
|                        | Pleione × baoshanensis W.Zhang & S.B.Zhang | 2018            | SW                                     | 77190399-1          |
|                        | Pleione × maoershanensis W.Zhang & S.B.Zhang | 2018            | SW                                     | 77177709-1          |
|                        | Spiranthus bimatrix L.Li & D.P.Ye & Shi J.Li | 2018            | SW                                     | 77174716-1          |
|                        | Vanda fujianensis H.Z.Liu & Z.J.Liu | 2016             | IB                                     | 77154813-1          |
|                        | Yunorchis pingbianensis              | 2015             | IB                                     | 77145332-1          |
|                        | Zeuxine ovalifolia X.Li & S.J.Li     | 2013             | IB                                     | 77132060-1          |
| Oxalidaceae            | Oxalis wulingensis                   | 2017             | SW                                     | 77130727-1          |
| Papaveraceae           | Corydalis hegangensis               | 2017             | IB                                     | 77175066-1          |
|                        | Corydalis huangshanensis D.Wang     | 2017             | SW                                     | 77163013-1          |
|                        | Corydalis huangshanensis             | 2018             | SW                                     | 77192894-1          |
|                        | Corydalis jinghongensis             | 2016             | IB                                     | 77157469-1          |
|                        | Dendrocalamus atroviridis D.Z.Li & H.Q.Yang | 2016            | IB                                     | 77151394-1          |
|                        | Dendrocalamus jinghongensis         | 2016             | IB                                     | 77157469-1          |
|                        | Dendrocalamus longissimus S.H.Chen, K.Huang & R.S.Chen | 2013            | IB                                     | 77138281-1          |
|                        | Orinus intermedius X.Su & J.Quan Liu | 2017             | SW                                     | 77174758-1          |
|                        | Deyeuxia dolichorhachis              | 2016             | SW                                     | 77174828-1          |
|                        | Deyeuxia zadoiensis                 | 2016             | SW                                     | 77174828-1          |
|                        | Elymus zadoiensis                   | 2013             | SW                                     | 77127682-1          |
|                        | Fargesia microcariculata M.S.Sun, D.Z.Li & H.Q.Yang | 2016            | SW                                     | 77159818-1          |
|                        | Fargesia weiningensis T.Fei & Lin Yang | 2013            | SW                                     | 77132561-1          |
|                        | Geliodocalamus xuwunensis W.G.Zhang & G.Y.Yang | 2017            | SW                                     | 77165358-1          |
|                        | Gigantochloa callina N.H.Xia, Y.Zeng & R.S.Lin | 2014            | IB                                     | 77144152-1          |
|                        | Holttumochloa batianensis M.Y.Zhou & D.Z.Li | 2017            | IB                                     | 77174625-1          |
|                        | Leymus golmudensis Y.H.Wu            | 2013             | SW                                     | 77155331-1          |
|                        | Oligostachyum heterophyllum M.M.Lin | 2017             | IB                                     | 77176053-1          |
|                        | Orinus intermedius X.Su & J.Quan Liu | 2017             | SW                                     | 77175809-1          |
|                        | Phyllostachys acutiligula G.H.Lai    | 2013             | IB                                     | 77131122-1          |
|                        | Phyllostachys corrugata G.H.Lai      | 2013             | IB                                     | 77131124-1          |
|                        | Phyllostachys hortivaginae G.H.Lai   | 2013             | IB                                     | 77131123-1          |
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|------------------------|-----------------------------|------------------|----------------------------------------|-------------------|
| Poaceae                | Phyllostachys purpureociliata G.H.Lai | 2013             | IB                                     | 77131125-1        |
|                        | Pseudosasa xishuangbananensis D.Z.Li, Y.X.Zhang & Trippett | 2013             | SW                                     | 77134702-1        |
|                        | Phlatagrostis arcuata Z.S.Zhang & W.L.Chen       | 2016             | SW                                     | 77157281-1        |
|                        | Phlatagrostis contracta Z.S.Zhang & W.L.Chen       | 2017             | SW                                     | 77158315-1        |
|                        | Schizostachyum longinternodium N.H.Xia, R.S.Lin & C.H.Zheng | 2014             | IB                                     | 77143644-1        |
|                        | Stipa dickorei M.Nobis                 | 2016             | SW                                     | 77155874-1        |
|                        | Stipa zhadaensis L.Q.Zhao & K.Guo          | 2017             | SW                                     | 77163865-1        |
|                        | Yushania gigantea T.P.Yi & L.Yang            | 2014             | SW                                     | 77135675-1        |
|                        | Yushania pianmaensis T.P.Yi & L.Yang            | 2014             | SW                                     | 77135676-1        |
|                        | Podocarpus hookeri de Laub.                | 2015             | IB                                     | 77153935-1        |
|                        | Cladopus yinggelengensis Q.W.Lin, Gang Lu & Z.Y.Li | 2016             | IB                                     | 77157336-1        |
|                        | Terniopsis daoyinensis Q.W.Lin, Gang Lu & Z.Y.Li | 2016             | IB                                     | 77157337-1        |
| Polygonaceae           | Fagopyrum bailagongense J.R.Shao, M.L.Zhou & Qian Zhang | 2015             | SW                                     | 60471656-2        |
|                        | Fagopyrum longzhouhanense J.R.Shao          | 2017             | SW                                     | 77160031-1        |
|                        | Fagopyrum longshanense J.R.Shao             | 2015             | SW                                     | 77153445-1        |
|                        | Koenigia chuanzangensis Z.Z.Zhou & Y.J.Min   | 2015             | SW                                     | 77155422-1        |
|                        | Koenigia hedbergii Bo Li & W.Du             | 2016             | SW                                     | 77157437-1        |
|                        | Persicaria changhuaensis H.W.Zhang & X.F.Jin | 2017             | SW                                     | 77174677-1        |
|                        | Persicaria lankeshanensis T.J.Liang & Bo Li  | 2014             | IB                                     | 77178666-1        |
|                        | Persicaria wugongshanensis Bo Li             | 2014             | IB                                     | 77163296-1        |
|                        | Podocarpus hookeri de Laub.                | 2015             | IB                                     | 77153935-1        |
|                        | Lepisorus simulans Ching & Z.Y.Liu           | 2015             | SW                                     | 77160734-1        |
|                        | Lepochilus mengongensis M.X.Zhao             | 2017             | IB                                     | 77167460-1        |
| Potamogetonaceae        | Rupia brevipedunculata Shuo Yu & Hartog     | 2014             | SW                                     | 77142902-1        |
|                        | Rupia sinensis Shuo Yu & Hartog             | 2014             | SW                                     | 77142903-1        |
| Primulaceae            | Lysimachia dahabiochensi Kun Liu & S.B.Zhou | 2014             | SW                                     | 77142378-1        |
|                        | Lysimachia huanggangensis J.Zhou, X.L.Yu & Y.F.Deng | 2015             | SW                                     | 77147698-1        |
|                        | Lysimachia jinzhaiensis S.B.Zhou & Kun Liu  | 2014             | SW                                     | 77141573-1        |
|                        | Lysimachia sepemurae Ze H.Wang & E.D.Liu     | 2016             | IB                                     | 77165309-1        |
|                        | Lysimachia sinopilosa C.M.Hu & G.Hao         | 2017             | IB                                     | 77163864-1        |
|                        | Lysimachia tianmaensis Kun Liu, S.B.Zhou & Ying Wang | 2018             | SW                                     | 77178766-1        |
|                        | Primula anthemifolia G.Hao, C.M.Hu & Yuan Xu | 2015             | SW                                     | 77174897-1        |
|                        | Primula centellifolia G.Hao, C.M.Hu & Y.Xu   | 2017             | SW                                     | 77177763-1        |
|                        | Primula chimingiana G.Hao, S.Yuan & D.X.Zhang | 2017             | SW                                     | 77179003-1        |
|                        | Primula dejuniana G.Hao, C.M.Hu & Yuan Xu   | 2014             | SW                                     | 77145096-1        |
|                        | Primula hubeiensis Xin WuLi                 | 2017             | SW                                     | 77175796-1        |
|                        | Primula bunanensis G.Hao, C.M.Hu & X.L.Yu   | 2014             | SW                                     | 77148873-1        |
|                        | Primula hydrocotylifolia G.Hao, C.M.Hu & Yuan Xu | 2015             | SW                                     | 77148008-1        |
|                        | Primula jiafangshanensis J.W.Shao           | 2017             | SW                                     | 77147675-1        |
|                        | Primula luteoflora X.F.Gao & W.B.Ju         | 2018             | SW                                     | 77190134-1        |
|                        | Primula niangzengensis G.Hao & C.M.Hu        | 2013             | SW                                     | 77133180-1        |
|                        | Primula pelargoniifolia G.Hao, C.M.Hu & Z.Y.Liu | 2014             | SW                                     | 77139176-1        |
|                        | Primula pengzhenensis G.Hao, C.M.Hu & Y.Xu   | 2017             | SW                                     | 77174626-1        |
|                        | Primula persimilis G.Hao, C.M.Hu & Y.Xu      | 2016             | SW                                     | 77157456-1        |
|                        | Primula scopulicola G.Hao, C.M.Hu & Y.Xu     | 2016             | SW                                     | 77159817-1        |
|                        | Primula undulifolia G.Hao, C.M.Hu & Y.Xu     | 2016             | SW                                     | 60472693-2        |
|                        | Primula wanwushanica G.Hao, C.M.Hu & Yuan Xu | 2016             | SW                                     | 77155597-1        |
|                        | Primula zhui Y.H.Tan & B.Yang                | 2017             | IB                                     | 7717429-1         |
| Strophanthaceae         | Strophanthus nanlingensis G.H.Huang & G.Hao   | 2017             | IB                                     | 77143655-1        |
| Proteaceae             | Helicia yangshanzensis H.S.Kiu              | 2013             | IB                                     | 77132615-1        |
| Pteridaceae            | Pteris divixii Fraser-Jenk. & Pariyar       | 2015             | SW                                     | 77161778-1        |
| Ranunculaceae          | Aconitum baistruncatum W.T.Wang             | 2014             | SW                                     | 77141210-1        |
|                        | Aconitum hezuanense W.T.Wang                | 2015             | SW                                     | 77149689-1        |
|                        | Aconitum lianhuashanicum W.T.Wang           | 2015             | SW                                     | 77149690-1        |
|                        | Aconitum lianhuashanicum W.T.Wang           | 2015             | SW                                     | 77149687-1        |
|                        | Aconitum novoazellata W.T.Wang              | 2014             | SW                                     | 77141209-1        |
|                        | Aconitum qianxiense W.T.Wang                | 2013             | SW                                     | 77134723-1        |
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| Ranunculaceae       | Acconitum rotundocassidenum W.T. Wang | 2013             |                                        | 77138280-1         |
|                     | Acconitum tsohlenense W.T. Wang   | 2016             | CA                                     | 77160240-1         |
|                     | Acconitum wunnengien J.He & E.D.Liu | 2018             |                                        | 77177553-1         |
|                     | Actaea mullenii J.P.Luo, Q.E.Yang & Q.Yuan | 2016             | SW                                     | 77161534-1         |
|                     | Anemone brachysystema W.T.Wang    | 2014             | H                                      | 77142643-1         |
|                     | Anemone jiaochaeus W.T.Wang       | 2014             |                                        | 77142644-1         |
|                     | Anemone milineatis W.T.Wang       | 2013             |                                        | 77135654-1         |
|                     | Anemone mutoensis W.T.Wang        | 2014             | H                                      | 77142642-1         |
|                     | Aquilegia hebecia Erst            | 2017             |                                        | 77176452-1         |
|                     | Aquilegia xinjiangensis Erst      | 2017             | CA                                     | 77176451-1         |
|                     | Aquilegia yangii Y.Luo & Lu Li    | 2018             | SW                                     | 77178664-1         |
| Caltha dysooides     | Tao Zhang, Bing Liu, Y.Q.Hao, Y.Yang & Y.J.Lai | 2016             | SW                                     | 77159219-1         |
|                     | Clematis chahuanensis W.T.Wang & L.Q.Huang | 2014             |                                        | 77140156-1         |
|                     | Clematis diebienii W.T.Wang       | 2015             | SW                                     | 77145271-1         |
|                     | Clematis dongchuanensis W.T.Wang  | 2014             |                                        | 77142362-1         |
|                     | Clematis jingzeiensis W.T.Wang    | 2016             | IB                                     | 77160245-1         |
|                     | Clematis maguanensis W.T.Wang     | 2015             | IB                                     | 77147798-1         |
|                     | Clematis melanonema W.T.Wang      | 2016             |                                        | 77160243-1         |
|                     | Clematis xuxiensis Q.Q.Jiang & H.P.Deng | 2017             | SW                                     | 77160575-1         |
|                     | Clematis puntatahosa W.T.Wang     | 2016             |                                        | 77160242-1         |
|                     | Delphinium brachyurum W.T.Wang    | 2014             | SW                                     | 77145301-1         |
|                     | Delphinium breveapum W.T.Wang     | 2018             | SW                                     | 77194230-1         |
|                     | Delphinium callichromum Q.L.Gan & Xin W.Li | 2017             |                                        | 77175709-1         |
|                     | Delphinium dicentron W.T.Wang     | 2018             | H                                      | 77193142-1         |
|                     | Delphinium filibracteolus W.T.Wang| 2018             | SW                                     | 77194231-1         |
|                     | Delphinium furcatovornatum W.T.Wang| 2014             | SW                                     | 77137692-1         |
|                     | Delphinium lagarocentrum W.T.Wang | 2014             |                                        | 77142465-1         |
|                     | Delphinium lagarolobum W.T.Wang   | 2018             | H                                      | 77193145-1         |
|                     | Delphinium longyanense W.T.Wang   | 2014             |                                        | 77142462-1         |
|                     | Delphinium latilimbum W.T.Wang    | 2018             | H                                      | 77193144-1         |
|                     | Delphinium longibracteolatum W.T.Wang| 2013             | SW                                     | 77135649-1         |
|                     | Delphinium longziense W.T.Wang    | 2018             | H                                      | 77193139-1         |
|                     | Delphinium menyayenense W.T.Wang  | 2016             |                                        | 77160241-1         |
|                     | Delphinium pingzwense W.T.Wang    | 2015             | SW                                     | 77147315-1         |
|                     | Delphinium quinqueflorum W.T.Wang | 2014             | SW                                     | 77142464-1         |
|                     | Delphinium tephranthum W.T.Wang   | 2014             | SW                                     | 77142463-1         |
|                     | Delphinium trichophoroides W.T.Wang| 2014             | SW                                     | 77142461-1         |
|                     | Delphinium viridiovarium W.T.Wang | 2018             |                                        | 77193141-1         |
|                     | Delphinium xanthanthum W.T.Wang   | 2018             | H                                      | 77193140-1         |
|                     | Delphinium yongdengense W.T.Wang  | 2016             | SW                                     | 77154492-1         |
|                     | Delphinium zhanangense W.T.Wang   | 2018             |                                        | 77193143-1         |
|                     | Delphinium zuogongense W.T.Wang   | 2013             | SW                                     | 77135650-1         |
|                     | Dicocarpum wuxuanense S.Z.He      | 2015             |                                        | 77150121-1         |
|                     | Ranunculus chongzhouensis W.T.Wang| 2015             | SW                                     | 77150244-1         |
|                     | Ranunculus dayiensis W.T.Wang     | 2015             | SW                                     | 77150241-1         |
|                     | Ranunculus decandrus W.T.Wang     | 2013             | SW                                     | 77135658-1         |
|                     | Ranunculus douxianglabaanicus W.T.Wang| 2013             |                                        | 77135657-1         |
|                     | Ranunculus gongheensis W.T.Wang   | 2015             |                                        | 77150245-1         |
|                     | Ranunculus laohouensis W.T.Wang & S.R.Chen | 2015             | SW                                     | 77151736-1         |
|                     | Ranunculus lujiangensis W.T.Wang  | 2018             |                                        | 77193105-1         |
|                     | Ranunculus shanyangensis M.R.Luo & L.Zhao | 2013             |                                        | 77178536-1         |
|                     | Ranunculus tongrenensis W.T.Wang  | 2015             |                                        | 77150242-1         |
|                     | Ranunculus wutanbahanicus W.T.Wang| 2016             |                                        | 77160244-1         |
|                     | Ranunculus zhouquensis W.T.Wang   | 2015             |                                        | 77150243-1         |
|                     | Semiaquilegia guangxiensis Yan Liu & Y.S.Huang | 2017             | IB                                     | 77160163-1         |
|                     | Thalictrum austrotetricum Jin Y.Li, L.Xie & L.Q.Li | 2015             |                                        | 77147128-1         |
| Family                  | Scientific name                        | Publication year | Discovered from Biodiversity hotspots* | IPNI Plant Name Id |
|------------------------|----------------------------------------|------------------|-----------------------------------------|-------------------|
| Ranunculaceae          | **Thalictrum brachyandrum** W.T.Wang   | 2017             |                                         | 77163361-1        |
|                        | **Thalictrum callianthum** W.T.Wang    | 2013             |                                         | 77135652-1        |
|                        | **Thalictrum cuonaeense** W.T.Wang     | 2014             | H                                       | 77145302-1        |
|                        | **Thalictrum daganense** W.T.Wang      | 2017             |                                         | 77165388-1        |
|                        | **Thalictrum dingingense** W.T.Wang    | 2018             | H                                       | 77194208-1        |
|                        | **Thalictrum filongense** W.T.Wang     | 2017             | H                                       | 77165391-1        |
|                        | **Thalictrum lasiogynum** W.T.Wang     | 2017             | SW                                      | 77163362-1        |
|                        | **Thalictrum latistylum** W.T.Wang     | 2017             | SW                                      | 77165389-1        |
|                        | **Thalictrum minutiflorum** W.T.Wang   | 2017             |                                         | 77163359-1        |
|                        | **Thalictrum panzhihuaense** W.T.Wang  | 2016             | SW                                      | 77154493-1        |
|                        | **Thalictrum scenerviespalum** W.T.Wang| 2017             | SW                                      | 77165390-1        |
|                        | **Thalictrum spiristylum** W.T.Wang    | 2017             | SW                                      | 77165392-1        |
|                        | **Thalictrum tsaii**                   | 2018             |                                         | 77194199-1        |
|                        | **Thalictrum xiaojinense** W.T.Wang    | 2017             | SW                                      | 77165389-1        |
|                        | **Thalictrum xinningense** W.T.Wang    | 2017             | SW                                      | 77165390-1        |
|                        | **Thalictrum yadongense** W.T.Wang     | 2018             | H                                       | 77194204-1        |
|                        | **Thalictrum yuoxiense** W.T.Wang      | 2014             |                                         | 77146200-1        |
|                        | **Thalictrum zhadaense** W.T.Wang      | 2017             |                                         | 77165393-1        |
| Rhamnaceae             | **Sageretia liuzhouensis** Yi Yang & H.Sun| 2017             | IB                                      | 77174078-1        |
| Rosaceae               | **Argentina songshenuis** T.Feng & Heng C.Wang| 2014             | SW                                      | 77146009-1        |
|                        | **Cerasus lasiohanensis** D.K.Zang     | 2017             |                                         | 77163885-1        |
|                        | **Cerasus xueluoensis** C.H.Nan & X.R.Wang| 2013             |                                         | 77130902-1        |
|                        | **Eriobotrya x diadubensis** H.Z.Zhang ex W.B.Liao, Q.Fan & M.Y.Ding| 2015             | SW                                      | 77147555-1        |
|                        | **Potentilla jiaozishanensis** Huan C.Wang & Z.R.He| 2013             |                                         | 77131196-1        |
|                        | **Potentilla tuberculifera** J.Z.Dong | 2017             |                                         | 77175794-1        |
|                        | **Prunus nananensis** Z.L.Chen, W.J.Chen & X.F.Jin | 2013             |                                         | 77124052-1        |
|                        | **Rubia longshoushanica** L.Q.Zhao & Y.Z.Zhao| 2016             | SW                                      | 77155109-1        |
|                        | **Rubus pseudowinihori** Huan C.Wang & Z.R.He| 2016             |                                         | 77155201-1        |
|                        | **Rubus jingjiangensis** Huan C.Wang   | 2017             | IB                                      | 77163881-1        |
|                        | **Sorbus calcicola** W.B.Liao & W.Guo | 2016             | IB                                      | 77155205-1        |
|                        | **Sorbus cibagouensis** H.Peng & Z.J.Yin| 2017             | SW                                      | 77174586-1        |
|                        | **Sorbus dolichofoliolatus** X.F.Gao & Meng Li | 2015             | SW                                      | 77150196-1        |
|                        | **Sorbus prunifolia** W.B.Liao & H.J.Jing| 2016             | SW                                      | 77154795-1        |
|                        | **Spiraea × transhimalaica** Businský | 2015             | SW                                      | 77149899-1        |
|                        | **Spiraea fangii** H.Y.Hu & X.J.He    | 2016             | SW                                      | 77156678-1        |
|                        | **Spiraea lanatissima** Businský       | 2015             | SW                                      | 77149886-1        |
| Rubiaceae              | **Gardenia reflexisepala** N.H.Xia & X.E.Ye | 2016             | IB                                      | 77154583-1        |
|                        | **Hedyotis australis** L.Wu & L.H.Yang | 2018             | IB                                      | 77179092-1        |
|                        | **Hedyotis nanlingensis** R.J.Wang     | 2015             | IB                                      | 77146981-1        |
|                        | **Hedyotis taihuensis** G.T.Wang & R.J.Wang| 2018             | IB                                      | 77190121-1        |
|                        | **Leptodermis hechiensis** R.J.Wang   | 2018             | IB                                      | 77178711-1        |
|                        | **Musaenda campanulata** T.T.Duan & D.X.Zhang| 2016             | IB                                      | 77155581-1        |
|                        | **Mycteris fangii** K.J.Yan & Z.Q.Song| 2016             | IB                                      | 77155089-1        |
|                        | **Ophiiorhiza gaoligongensis** L.Wu, Hareesh & R.H.Tu | 2018             | SW                                      | 77194408-1        |
|                        | **Ophiiorhiza guizhouensis** C.D.Yang & G.Q.Gou | 2018             |                                         | 60476091-2        |
|                        | **Ophiiorhiza macrocarpa** L.Wu, Q.R.Liu, Y.H.Tan & Hareesh | 2018             | IB                                      | 77179095-1        |
|                        | **Rubia austrohejiangensis** Z.P.Lei, Y.Y.Zhou & R.W.Wang | 2013             |                                         | 77130002-1        |
|                        | **Rubia bongii** L.E.Yang & Z.L.Nie    | 2017             | IB                                      | 77166030-1        |
|                        | **Rubia pianmaensis** R.Li & H.Li     | 2013             | SW                                      | 77133585-1        |
|                        | **Rubia urceolata** X.F.Wang & C.H.Wang| 2018             |                                         | 77190161-1        |
|                        | **Spiracidis corticifolia** R.J.Wang  | 2014             | IB                                      | 77143408-1        |
|                        | **Spiracidis danxiahanensis** R.J.Wang| 2015             | IB                                      | 77146980-1        |
|                        | **Spiracidis glabra** L.Wu & Q.R.Liu | 2016             | IB                                      | 77161525-1        |
|                        | **Spiracidis glandulosa** L.Wu & Q.R.Liu| 2014             | IB                                      | 77146551-1        |
|                        | **Spiracidis jingciensis** R.J.Wang    | 2016             | IB                                      | 77158468-1        |
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|----------------------|----------------------------------------|------------------|------------------------------------------|-------------------|
| Rubiaceae            | *Spiradiclis longanensis* R.J.Wang      | 2015             | IB                                       | 77148932-1        |
|                      | *Spiradiclis lui* Yan Liu & L.Wu        | 2018             | IB                                       | 77188006-1        |
|                      | *Spiradiclis pachyphora* L.Wu & Q.R.Liu | 2015             | IB                                       | 77174763-1        |
|                      | *Spiradiclis penghuianensis* B.Pan & R.J.Wang | 2016 | SW                                       | 77154905-1        |
|                      | *Spiradiclis quanzhouensis* J.Liu & W.B.Xu | 2017             | IB                                       | 77179034-1        |
|                      | *Spiradiclis tonglingensis* R.J.Wang    | 2014             | IB                                       | 77143409-1        |
|                      | *Spiradiclis yangbenunensis* R.J.Wang  | 2016             | IB                                       | 77155443-1        |
| Salicaceae           | *Sulix alexii* Rottaim.                | 2017             | SW                                       | 77174640-1        |
| Saxifragaceae        | *Chrysosplenium zhangjiajense* X.L.Yu, Hui Zhou & D.S.Zhou | 2016             | SW                                       | 77158754-1        |
|                      | *Saxifraga kogangii* D.G.Zhang, Ying Meng & M.H.Zhang | 2017 |                  | 77174074-1        |
|                      | *Saxifraga luoxiaoensis* W.B.Liao, L.Wang & X.J.Zhang | 2018             | SW                                       | 77176502-1        |
| Saxifragaceae        | *Saxifraga viridipetala* Z.X.Zhang & Gornall | 2018             | IB                                       | 7716052-1         |
| Scrophulariaceae     | *Bonnaya sanpabloensis* Y.S.Liang & J.C.Wang | 2014             | IB                                       | 77144208-1        |
|                      | *Mazus sunhangii* W.B.Yu, D.Z.Li & H.Wang | 2016             | SW                                       | 77157495-1        |
|                      | *Pedicularis milliana* W.B.Yu, D.Z.Li & H.Wang | 2018             | SW                                       | 77185944-1        |
|                      | *Pedicularis quanzhouensis* M.L.Liu & W.B.Yu | 2015             | SW                                       | 77147975-1        |
|                      | *Pterygiella luzhijiangensis* Huan C.Wang | 2017             | SW                                       | 77179094-1        |
| Selaginellaceae      | *Selaginella chuweimingii* X.M.Zhou, Z.R.He, Liang Zhang & Li Bing Zhang | 2015             | SW                                       | 77150615-1        |
|                      | *Selaginella danchenensis* Li Bing Zhang, Q.W.Sun & Jun H.Zhao | 2015             | SW                                       | 77147115-1        |
| Selaginellaceae      | *Selaginella gibusia* X.C.Zhang         | 2017             | IB                                       | 60474541-2        |
|                       | *Selaginella wugpaisianii* Li Bing Zhang, H.He & Q.W.Sun | 2014             | SW                                       | 77140329-1        |
| Smilacaceae          | *Smilax hirtellicaulis* C.Y.Wu & C.Chen ex P.Li | 2016             | IB                                       | 77157761-1        |
|                      | *Smilax microdontus* Z.S.Sun & C.X.Fu   | 2015             | IB                                       | 77147575-1        |
| Solanaceae           | *Elycium amarum* Lu Q.Huang             | 2015             | IB                                       | 77158466-1        |
| Styracaceae          | *Styrs rhytidocarpus* W.Yang & X.L.Yu   | 2015             | IB                                       | 77150409-1        |
| Taxaceae             | *Taxis calicola* L.M.Gao & Mich.Möller | 2013             | IB                                       | 77136027-1        |
| Theaceae             | *Camellia concinna* Orel & Curry       | 2015             | IB                                       | 77151375-1        |
|                      | *Camellia pilocarpa* X.G.Sh & C.X.Ye    | 2018             | IB                                       | 77176063-1        |
|                      | *Camellia tomentosa* Orel & Curry      | 2015             | IB                                       | 77151406-1        |
|                      | *Eurya makuana* C.X.Ye & X.G.Sh         | 2015             | IB                                       | 77154773-1        |
| Thelypteridaceae     | *Cyclogramma costularisora* Ching ex K.H.Shing | 2014             | IB                                       | 77145114-1        |
| Thymelaeaceae        | *Daphne ogisia* C.D.Brickell, B.Mathew & Yin Z.Wang | 2014             | SW                                       | 77141997-1        |
| Trilliaceae          | *Paris caojianensis* B.Z.Duan & Yu Yu Liu | 2017             | SW                                       | 77177679-1        |
|                      | *Paris nitida* G.W.Hu, Zhi Wang & Q.F.Wang | 2017             | SW                                       | 77176304-1        |
|                      | *Paris qiliangiana* H.Li, Jun Yang bis & Y.H.Wang | 2017             | SW                                       | 77177750-1        |
| Ulmaceae             | *Celtis neglecta* Z.L.Chen & X.F.Jin   | 2017             | SW                                       | 77162987-1        |
|                      | *Ulmus erythrocarpa* W.C.Cheng ex Yi F.Duan & X.R.Wang | 2016             | SW                                       | 77158537-1        |
|                      | *Ulmus multinervis* W.C.Cheng & Yi F.Duan & X.R.Wang | 2016             | SW                                       | 77158536-1        |
| Urticaceae           | *Debregeasia bekowensis* W.T.Wang       | 2016             | IB                                       | 77156529-1        |
|                      | *Elatostema androstachyum* W.T.Wang, A.K.Mono & Y.G.Wei | 2013             | IB                                       | 77134637-1        |
|                      | *Elatostema anolongense* W.T.Wang       | 2016             | IB                                       | 77158908-1        |
|                      | *Elatostema arcuatapinus* W.T.Wang & Y.G.Wei | 2014             | IB                                       | 77141252-1        |
|                      | *Elatostema atrotratrum* W.T.Wang & Y.G.Wei | 2013             | IB                                       | 77178529-1        |
|                      | *Elatostema austroyunnanense* W.T.Wang  | 2014             | IB                                       | 77141437-1        |
|                      | *Elatostema baobabense* W.T.Wang & Z.Y.Wu | 2016             | SW                                       | 77165300-1        |
|                      | *Elatostema bifurcataeolatum* W.T.Wang | 2014             | IB                                       | 77141253-1        |
|                      | *Elatostema biophyton* L.D.Duan & Yun Lin | 2013             | IB                                       | 77178535-1        |
|                      | *Elatostema bonniei* W.T.Wang & Z.Y.Wu | 2013             | SW                                       | 77130899-1        |
|                      | *Elatostema brunneobacillatum* W.T.Wang | 2014             | IB                                       | 77141264-1        |
|                      | *Elatostema brunneoviolaceum* W.T.Wang | 2014             | IB                                       | 77141413-1        |
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---|---|---|---|---
Urticaceae | *Elatostema caudatoacuminatum* W.T.Wang | 2013 | IB | 77144616-1
| *Elatostema chiwanum* W.T.Wang | 2013 | SW | 77144627-1
| *Elatostema costatolatatum* W.T.Wang & Z.Y.Wu | 2014 | IB | 77144444-1
| *Elatostema crassicostatum* W.T.Wang | 2014 | IB | 77144441-1
| *Elatostema crustomicronatum* W.T.Wang | 2014 | IB | 77141242-1
| *Elatostema cuipingfengense* W.T.Wang & Z.Y.Wu | 2016 | IB | 77165302-1
| *Elatostema cytandrafolioides* W.T.Wang | 2014 | IB | 77141269-1
| *Elatostema daxinense* W.T.Wang & Z.Y.Wu | 2013 | IB | 77130900-1
| *Elatostema dentatocaudatum* W.T.Wang & Z.Y.Wu | 2016 | SW | 77165298-1
| *Elatostema feminocymosum* W.T.Wang | 2018 | SW | 77193107-1
| *Elatostema flexuosicaule* W.T.Wang & Z.Y.Wu | 2016 | SW | 77165307-1
| *Elatostema fulvobracteolatum* W.T.Wang | 2013 | IB | 77144609-1
| *Elatostema furcatibracteum* W.T.Wang | 2014 | H | 77141240-1
| *Elatostema furcatiramosum* W.T.Wang | 2014 | IB | 77141412-1
| *Elatostema globosostigmatum* W.T.Wang & Z.Y.Wu | 2016 | SW | 77165334-1
| *Elatostema gyronanophyllum* W.T.Wang | 2018 | SW | 77193109-1
| *Elatostema heterocladium* W.T.Wang, A.K.Monro & Y.G.Wei | 2013 | IB | 77134638-1
| *Elatostema hygrophilifolium* W.T.Wang | 2013 | IB | 77144609-1
| *Elatostema jingxiense* W.T.Wang & Y.G.Wei | 2013 | IB | 77178530-1
| *Elatostema laevicaule* W.T.Wang, A.K.Monro & Y.G.Wei | 2013 | IB | 77134636-1
| *Elatostema linearicorniculatum* W.T.Wang | 2014 | IB | 77141447-1
| *Elatostema longiciliatum* W.T.Wang | 2014 | IB | 77141426-1
| *Elatostema longicuspe* W.T.Wang & Y.G.Wei | 2013 | IB | 77130004-1
| *Elatostema magnii-auriculatum* L.D.Duan & Yun Lin | 2015 | IB | 77178674-1
| *Elatostema melanocephalum* W.T.Wang | 2014 | IB | 77178530-1
| *Elatostema melanoceras* W.T.Wang | 2014 | IB | 77178535-1
| *Elatostema menghaiense* W.T.Wang | 2013 | IB | 77130003-1
| *Elatostema odontopterum* W.T.Wang | 2013 | IB | 77144414-1
| *Elatostema oligotrichum* W.T.Wang | 2014 | IB | 77144420-1
| *Elatostema pachycephalum* W.T.Wang | 2016 | IB | 77158909-1
| *Elatostema pallidinerve* W.T.Wang | 2014 | IB | 77144626-1
| *Elatostema pellionioides* W.T.Wang | 2014 | IB | 77174976-1
| *Elatostema planinerve* W.T.Wang | 2013 | IB | 77144414-1
| *Elatostema planinerve* W.T.Wang & Y.G.Wei | 2014 | IB | 77144422-1
| *Elatostema pseudonanchuanense* W.T.Wang | 2014 | IB | 77144247-1
| *Elatostema pseudolongipes* W.T.Wang & Y.G.Wei | 2014 | IB | 77144626-1
| *Elatostema pseudolongipes* W.T.Wang | 2014 | IB | 77144627-1
| *Elatostoma septemcostatum* W.T.Wang & Z.Y.Wu | 2017 | IB | 77174971-1
| *Elatostema sinaniensis* W.T.Wang | 2014 | IB | 77141246-1
| *Elatostema simaoense* W.T.Wang | 2013 | IB | 77144609-1
| *Elatostema simianshanicum* W.T.Wang | 2017 | SW | 77141255-1
| *Elatostema simianshanicum* W.T.Wang | 2013 | IB | 77158909-1
| *Elatostema sinapis* W.T.Wang | 2014 | IB | 77144607-1
| *Elatostema sinapis* W.T.Wang | 2014 | IB | 77174976-1
| *Elatostema sinapis* W.T.Wang | 2014 | IB | 77141246-1
| *Elatostema sinapis* W.T.Wang | 2013 | IB | 77144626-1
| *Elatostema sinapis* W.T.Wang | 2014 | IB | 77144627-1
| *Elatostema sinapis* W.T.Wang | 2014 | IB | 77141247-1
| *Elatostema sinapis* W.T.Wang | 2014 | IB | 77144626-1
| *Elatostema sinapis* W.T.Wang | 2014 | IB | 77144627-1
| *Elatostema sinapis* W.T.Wang | 2014 | IB | 77144626-1
| *Elatostema sinapis* W.T.Wang | 2014 | IB | 77144627-1
| *Elatostema sinapis* W.T.Wang | 2014 | IB | 77144628-1
| *Elatostema sinapis* W.T.Wang | 2017 | SW | 77174977-1
| *Elatostema sinapis* W.T.Wang | 2017 | SW | 77174977-1
| *Elatostema tiechangense* L.F.Fu, Y.G.Wei & A.K.Monro | 2017 | IB | 77160160-1
| *Elatostema tritepalum* W.T.Wang | 2014 | IB | 77141263-1
| *Elatostema tritepalum* W.T.Wang | 2017 | IB | 77141262-1
| *Elatostema viridinerve* W.T.Wang | 2017 | IB | 77162747-1
| *Elatostema viridinerve* W.T.Wang | 2017 | IB | 77141261-1
| *Elatostema viridinerve* W.T.Wang | 2017 | IB | 77141262-1
| *Elatostema viridinerve* W.T.Wang & Z.Y.Wu | 2017 | IB | 77162747-1
| *Elatostema viridinerve* W.T.Wang & Z.Y.Wu | 2016 | SW | 77165304-1
| *Elatostema wenshanense* W.T.Wang | 2014 | IB | 77141271-1
| *Elatostema wenshanense* W.T.Wang | 2014 | IB | 77141430-1
| *Elatostema wenshanense* W.T.Wang | 2017 | IB | 77162745-1
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|-------------|---------------------------------------|------------------|----------------------------------------|-------------------|
| Urticaceae  | Elatostema yongtianianum W.T.Wang     | 2013             |                                        | 77144619-1        |
|             | Elatostema zhengyuanum W.T.Wang       | 2018             | SW                                     | 77193110-1        |
|             | Elatostema zhengyuanense W.T.Wang & Z.Y.Wu | 2014             | IB                                     | 77141445-1        |
|             | Laportea jinganensis W.T.Wang         | 2016             |                                        | 77156528-1        |
|             | Laportea laegeensis W.T.Wang          | 2014             | H                                      | 77138094-1        |
|             | Metapilea jingxiensis W.T.Wang        | 2016             | IB                                     | 77155150-1        |
|             | Pellionia calcifera W.T.Wang          | 2016             | IB                                     | 77154996-1        |
|             | Pellionia latimennis W.T.Wang         | 2017             | IB                                     | 77164278-1        |
|             | Pellionia mollissima W.T.Wang         | 2014             | IB                                     | 77139051-1        |
|             | Pellionia smianuscanica W.T.Wang      | 2017             | SW                                     | 77174975-1        |
|             | Pellionia tritepala W.T.Wang          | 2016             |                                        | 77154995-1        |
|             | Pilea gongjuensis W.T.Wang            | 2016             |                                        | 77156533-1        |
|             | Pilea laegeensis W.T.Wang             | 2014             | H                                      | 77138095-1        |
|             | Pilea longnieensis W.T.Wang           | 2017             | IB                                     | 77174980-1        |
|             | Pilea longxiensis W.T.Wang            | 2017             | IB                                     | 77174978-1        |
|             | Pilea luochengensis W.T.Wang          | 2016             | IB                                     | 77156532-1        |
|             | Pilea lushuiensis W.T.Wang            | 2017             | SW                                     | 77147979-1        |
|             | Pilea minima W.T.Wang                 | 2017             | SW                                     | 77147981-1        |
|             | Pilea nonggangensis Y.G.Wei, L.F.Fu & A.K.Monro | 2017             | IB                                     | 77176278-1        |
|             | Pilea weimingii Huan C.Wang           | 2018             |                                        | 77186306-1        |
|             | Pilea yuannyaofanica W.T.Wang         | 2017             | IB                                     | 77174983-1        |
|             | Urtica zhengbouensis W.T.Wang         | 2017             | SW                                     | 77164277-1        |
|             | Urtica malipoensis W.T.Wang           | 2014             | IB                                     | 77140819-1        |
|             | Zhengyia shennongensis T.Deng, D.G.Zhang & H.Sun | 2013             |                                        | 77125828-1        |
| Violaceae   | Viola hybanthoides W.B.Liao & Q.Fan   | 2015             | IB                                     | 77145097-1        |
|             | Viola nujiangensis Y.S.Chen & X.H,Jin | 2015             | SW                                     | 77150548-1        |
| Vitaceae    | Cyphostemma dehongense L.M.Lu & V.C.Dang | 2017             | IB                                     | 77167306-1        |
|             | Pseudocayratia speciosa J.Wen & L.M.Lu | 2018             | IB                                     | 77193893-1        |
| Woodsiaceae | Arthryum sessilpinnum X.C.Zhang & R.Wei | 2016             | IB                                     | 77160655-1        |
|             | Diplazium yinchuanianum Z.Y.Liu, H.J.Wei & Y.H.Yan | 2018             | IB                                     | 77177560-1        |
|             | Hypodematium confertivillosum J.X.Li, F.Q.Zhou & X.J.Li | 2018             | IB                                     | 77174973-1        |
| Zingiberaceae | Amomum bainainense Y.S.Ye, J.P.Liao & F.Zou | 2018             | IB                                     | 77193005-1        |
|             | Amomum velatum X.E.Ye, Skornick. & N.H.Xia | 2017             | IB                                     | 77187998-1        |
|             | Boesenberga kingsii Mood & L.M王子     | 2013             | IB                                     | 77130879-1        |
|             | Carissa gulnangiensis N.H.Xia & Juan Chen | 2013             | IB                                     | 77135581-1        |
|             | Hedychium dichotomatum Picheans. & Wongsuwan | 2013             | IB                                     | 77127653-1        |
|             | Hedychium viridibracteatum X.Hu        | 2018             | IB                                     | 77191580-1        |
|             | Roscoa glaucafolia F.J.Mou             | 2015             | SW                                     | 77149685-1        |
|             | Zingiber hainanense Y.S.Ye, L.Bai & N.H.Xia | 2015             | IB                                     | 77147977-1        |
|             | Zingiber leochilum L.Bai, Skornick. & N.H.Xia | 2018             | SW                                     | 77192884-1        |
|             | Zingiber pauciflorum L.Bai, Skornick., D.Z.Li & N.H.Xia | 2017             | IB                                     | 77129030-1        |
|             | Zingiber tenuifolium L.Bai, Skornick. & N.H.Xia | 2015             | IB                                     | 77150125-1        |
|             | Zingiber ventricosum L.Bai, Skornick., N.H.Xia & Y.S.Ye | 2016             | IB                                     | 77155186-1        |
|             | Zingiber zhuoxiens G.X.Hu & S.Huang    | 2015             |                                        | 77174765-1        |

*Biodiversity hotspots abbreviation. CA: Mountains of Central Asia, H: Himalaya, IB: Indo-Burma, SW: Mountains of Southwest China, Blank: non-biodiversity hotspots area. Species which recognized as nomen illegitimum were excluded.