

**Appendix A** Locations of *Berberis* species identified in investigated regions of the Yunnan-Guizhou plateau in 2016 and 2018

| Province | Investigation site  | Latitude (N) | Longitude (E) | Elevation (m) | <i>Berberis</i> species                   | No. of barberry bushes/<br>0.5-km radius |
|----------|---|--------------|---------------|---------------|---|--|
| Guizhou  | Shuichao village, Hezhang County, Bijie City                    | 27 °04.913'  | 104 °36.609'  | 2021          | <i>B. julianae</i>                        | >10                                      |
|          | Shuichao village, Hezhang County, Bijie City                    | 26 °49.095'  | 104 °40.956'  | 2394          | <i>B. julianae</i>                        | >10                                      |
|          | Haiga village, Dawan town, Shuicheng County,<br>Liupanshui City | 26 °49.540'  | 104 °40.887'  | 2412          | <i>B. tsienii</i>                         | >50                                      |
|          | Guji village, Hezhang County, Bijie City                        | 27 °16.535'  | 104 °45.113'  | 1694          | <i>B. veitchii</i>                        | <50                                      |
|          | Shuichao village, Hezhang County, Bijie City                    | 27 °05.048'  | 104 °36.482'  | 2086          | <i>B. veitchii</i>                        | >10                                      |
|          | Haiga village, Dawan town, Shuicheng County,<br>Liupanshui City | 26 °49.095'  | 104 °40.956'  | 2394          | <i>B. veitchii</i>                        | >10                                      |
|          | Haiga village, Dawan town, Shuicheng County,<br>Liupanshui City | 26 °49.570'  | 104 °40.919'  | 2403          | <i>B. veitchii</i>                        | >10                                      |
|          | Haiga village, Dawan town, Shuicheng County,<br>Liupanshui City | 26 °49.574'  | 104 °40.935'  | 2394          | <i>B. wilsonae</i>                        | >10                                      |
|          | Haiga village, Dawan town, Shuicheng County,<br>Liupanshui City | 26 °50.301'  | 104 °41.157'  | 2488          | <i>B. wilsonae</i>                        | >50                                      |
|          | Dayi village, Hezhang County, Bijie City                        | 27 °11.000'  | 104 °42.933"  | 1650          | <i>B. wilsonae</i> var. <i>guhtzunica</i> | >50                                      |
|          | Shuichao village, Hezhang County, Bijie City                    | 27 °05.210'  | 104 °36.354'  | 2138          | <i>B. wilsonae</i> var. <i>guhtzunica</i> | >10                                      |
|          | Shuichao village, Hezhang County, Bijie City                    | 27 °05.218'  | 104 °36.318'  | 2161          | <i>B. wilsonae</i> var. <i>guhtzunica</i> | >50                                      |
|          | Shase town, Nayong County, Bijie City                           | 26 °52.160'  | 105 °24.651'  | 1530          | <i>B. wilsonae</i> var. <i>guhtzunica</i> | >100                                     |

(continued)

| Province | Investigation site   | Latitude (N) | Longitude (E) | Elevation (m) | <i>Berberis</i> species | No. of barberry bushes/<br>0.5-km radius |
|----------|--|--------------|---------------|---------------|-------------------------|--|
| Guizhou  | Nimaigu village, Wusha town, Xingyi County, Qianxinan City Guizhou | 25°9'20''    | 104°47'14''   | 1450          | None                    |  |
| Yunnan   | Qingdong village, Xizhou town, Eryuan County, Dali City            | 25°49.239'   | 100°06.285'   | 2091          | <i>B. franchetiana</i>  | >10                                      |
|          | Qingdong village, Xizhou town, Eryuan County, Dali City            | 25°49.437'   | 100°06.075'   | 2138          | <i>B. franchetiana</i>  | >10                                      |
|          | Donghua town, Lufeng County, Chuxiong City                         | 25°3.150'    | 101°46.417'   | 1860          | <i>B. julianae</i>      | >100                                     |
|          | Yangxi village, Wanqiao town, Dali City                            | 25°48.396'   | 100°06.203'   | 2060          | <i>B. julianae</i>      | >50                                      |
|          | Gaoshan botanical garden, Lijiang City                             | 26°59.798'   | 100°11.901'   | 2672          | <i>B. julianae</i>      | >10                                      |
|          | Gaoshan botanical garden, Lijiang City                             | 26°59.816'   | 100°11.712'   | 2870          | <i>B. julianae</i>      | >10                                      |
|          | Gaoshan botanical garden, Lijiang City                             | 26°59.814'   | 100°11.949'   | 2646          | <i>B. julianae</i>      | >10                                      |
|          | Heilongtan park, Lijiang City                                      | 26°53.282'   | 100°14.032'   | 2448          | <i>B. lepidifolia</i>   | >10                                      |
|          | Heilongtan park, Lijiang City                                      | 26°53.268'   | 100°14.034'   | 2452          | <i>B. lepidifolia</i>   | >10                                      |
|          | Ayopu village, Luliang County, Qujing City                         | 24°54.083'   | 103°30.133'   | 1880          | <i>B. pruinosa</i>      | >50                                      |
|          | Jianchuan County, Dali City,                                       | 26°26.0332'  | 99°58.050'    | 2430          | <i>B. pruinosa</i>      | >50                                      |
|          | Jianchuan County, Dali City,                                       | 26°26.050'   | 99°58.017'    | 2440          | <i>B. pruinosa</i>      | >50                                      |

(continued)

| Province | Investigation site   | Latitude (N) | Longitude (E) | Elevation (m) | <i>Berberis</i> species | No. of barberry bushes/<br>0.5-km radius |
|----------|--|--------------|---------------|---------------|-------------------------|--|
| Yunnan   | Eryuan County, Dali City,                                    | 26 °24.867'  | 99 °58.383'   | 2450          | <i>B. pruinosa</i>      | >10                                      |
|          | Longshan village, Jin'an town, Lijiang City                  | 26 °52.950'  | 100 °20.050'  | 2700          | <i>B. pruinosa</i>      | >50                                      |
|          | Longshan village, Jin'an town, Lijiang City                  | 26 °53.333'  | 100 °20.083'  | 2730          | <i>B. pruinosa</i>      | >10                                      |
|          | Yangjiawan village, Yiche town, Huize County,<br>Qujing City | 26 °46.233'  | 103 °26.150'  | 1830          | <i>B. pruinosa</i>      | >50                                      |
|          | Yangjiawan village, Yiche town, Huize County,<br>Qujing City | 26 °46.060'  | 103 °24.598'  | 1859          | <i>B. pruinosa</i>      | >10                                      |
|          | Xiaomi village, Yiche town, Huize County,<br>Qujing City     | 26 °46.060'  | 103 °24.598'  | 1859          | <i>B. pruinosa</i>      | >10                                      |
|          | Yangjiawan village, Yiche town, Huize County,<br>Qujing City | 26 °46.233'  | 103 °25.583'  | 1880          | <i>B. pruinosa</i>      | >10                                      |
|          | Xiaomi village, Yiche town, Huize County,<br>Qujing City     | 26 °45.267'  | 103 °24.113'  | 1890          | <i>B. pruinosa</i>      | >10                                      |
|          | Xiaomi village, Yiche town, Huize County,<br>Qujing City     | 26 °46.025'  | 103 °24.630'  | 1896          | <i>B. pruinosa</i>      | >10                                      |
|          | Qingdong village, Xizhou town, Eryuan County,<br>Dali City   | 25 °49.591'  | 100 °06.050'  | 2086          | <i>B. pruinosa</i>      | >50                                      |

(continued)

| Province | Investigation site   | Latitude (N) | Longitude (E) | Elevation (m) | <i>Berberis</i> species | No. of barberry bushes/<br>0.5-km radius |
|----------|--|--------------|---------------|---------------|-------------------------|--|
| Yunnan   | Qingdong village, Xizhou town, Eryuan County, Dali City      | 25 °49.599'  | 100 °06.041'  | 2100          | <i>B. pruinosa</i>      | >50                                      |
|          | Liancheng mountain, Eryuan County, Dali City                 | 26 °05.131'  | 100 °00.228'  | 2159          | <i>B. pruinosa</i>      | >50                                      |
|          | Heilongtan park, Lijiang City                                | 26 °31.867'  | 099 °53.700'  | 2171          | <i>B. pruinosa</i>      | >10                                      |
|          | Heilongtan park, Lijiang City                                | 26 °31.843'  | 099 °53.671'  | 2288          | <i>B. pruinosa</i>      | >10                                      |
|          | Heilongtan park, Lijiang City                                | 26 °31.891'  | 099 °53.622'  | 2311          | <i>B. pruinosa</i>      | >10                                      |
|          | Gaoshan botanical garden, Lijiang City                       | 26 °59.824'  | 100 °12.041'  | 2520          | <i>B. pruinosa</i>      | >50                                      |
|          | Gaoshan botanical garden, Lijiang City                       | 26 °59.823'  | 100 °11.669'  | 2869          | <i>B. pruinosa</i>      | >10                                      |
|          | Gaoshan botanical garden, Lijiang City                       | 26 °59.851'  | 100 °11.676'  | 2893          | <i>B. wilsonae</i>      | >10                                      |
|          | Sujiashuang village, Hongyan town, Midu County, Dali City    | 25 °28'55"   | 100 °25'2"    | 1840          | None                    |  |
|          | Pujia village, Cangling town, Lufeng County, Chuxiong City   | 25 °8'49"    | 101 °52'49"   | 1750          | None                    |  |
|          | Xihua village, Zhongshu town, Luxi County, Honghezhou City   | 24 °31'11"   | 103 °43'43"   | 1860          | None                    |  |
|          | Jinjiazhai village, Caiyun town, Shizong County, Qujing City | 24 °43'6"    | 102 °55'27"   | 1860          | None                    |  |
|          | Qixing village, Kuangyuan town, Yiliang County, Kunming City | 24 °53'47"   | 103 °13'16"   | 1780          | None                    |  |